

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111319\
 Data File : VN059216.D
 Acq On : 13 Nov 2019 17:49
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/14/2019 10:00:26 AM

Quant Time: Nov 14 08:22:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	414943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	649593	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	598417	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	290925	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	255981	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
35) Dibromofluoromethane	7.57	113	202737	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
50) Toluene-d8	10.08	98	779271	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
62) 4-Bromofluorobenzene	12.40	95	291224	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	182538	43.662	ug/l	99
3) Chloromethane	2.04	50	247600	43.568	ug/l	99
4) Vinyl Chloride	2.17	62	253422	45.995	ug/l	98
5) Bromomethane	2.53	94	134779	42.508	ug/l	98
6) Chloroethane	2.67	64	152502	46.790	ug/l	99
7) Trichlorofluoromethane	2.99	101	319131	48.424	ug/l	100
8) Diethyl Ether	3.39	74	133475	49.845	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	194797	49.023	ug/l	99
10) Methyl Iodide	3.92	142	242853	49.376	ug/l	100
11) Tert butyl alcohol	4.76	59	261289	268.792	ug/l	99
12) 1,1-Dichloroethene	3.71	96	185213	47.849	ug/l	97
13) Acrolein	3.58	56	158214	315.678	ug/l	98
14) Allyl chloride	4.29	41	379416	47.719	ug/l	99
15) Acrylonitrile	4.95	53	661296	273.354	ug/l	99
16) Acetone	3.79	43	569891	214.853	ug/l	99
17) Carbon Disulfide	4.02	76	492560	40.993	ug/l	99
18) Methyl Acetate	4.29	43	349721	55.548	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	694232	52.094	ug/l	100
20) Methylene Chloride	4.52	84	223056	48.270	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	199670	48.057	ug/l	97
22) Diisopropyl ether	5.92	45	776644	51.713	ug/l	99
23) Vinyl Acetate	5.87	43	3227115	277.255	ug/l	100
24) 1,1-Dichloroethane	5.82	63	418421	49.882	ug/l	99
25) 2-Butanone	6.81	43	917651	262.501	ug/l	99
26) 2,2-Dichloropropane	6.80	77	346396	47.227	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	238312	49.439	ug/l	100
28) Bromochloromethane	7.17	49	118672	47.024	ug/l	98
29) Tetrahydrofuran	7.19	42	620261	279.242	ug/l	100
30) Chloroform	7.35	83	405037	50.337	ug/l	96
31) Cyclohexane	7.63	56	357483	45.018	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	344530	50.927	ug/l	100
36) 1,1-Dichloropropene	7.77	75	299284	49.291	ug/l	99
37) Ethyl Acetate	6.91	43	367764	54.446	ug/l	99
38) Carbon Tetrachloride	7.75	117	299240	49.515	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	343146	48.695	ug/l	100
40) Benzene	8.02	78	915049	50.045	ug/l	99
41) Methacrylonitrile	7.15	41	118181m	40.235	ug/l	
42) 1,2-Dichloroethane	8.10	62	319418	50.936	ug/l	100
43) Isopropyl Acetate	8.15	43	569607	52.895	ug/l	99
44) Trichloroethene	8.82	130	221327	49.243	ug/l	98
45) 1,2-Dichloropropane	9.10	63	254101	51.165	ug/l	99
46) Dibromomethane	9.19	93	155152	50.134	ug/l	98
47) Bromodichloromethane	9.39	83	320660	51.889	ug/l	99
48) Methyl methacrylate	9.18	41	260630	54.109	ug/l	99
49) 1,4-Dioxane	9.19	88	94445	1103.308	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	1852377	304.008	ug/l	100
52) Toluene	10.14	92	562178	51.298	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	361007	50.564	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	396295	51.601	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	228467	51.512	ug/l	99
56) Ethyl methacrylate	10.42	69	371692	50.237	ug/l	98
57) 1,3-Dichloropropane	10.70	76	395821	51.853	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	694821	281.495	ug/l	100
59) 2-Hexanone	10.74	43	1384082	295.946	ug/l	99
60) Dibromochloromethane	10.90	129	249528	53.212	ug/l	100
61) 1,2-Dibromoethane	11.00	107	233945	52.105	ug/l	99
64) Tetrachloroethene	10.63	164	192254	47.247	ug/l	99
65) Chlorobenzene	11.43	112	586972	50.317	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	229298	52.399	ug/l	99
67) Ethyl Benzene	11.51	91	1076553	52.014	ug/l	99
68) m/p-Xylenes	11.62	106	805725	103.925	ug/l	100
69) o-Xylene	11.95	106	380775	50.821	ug/l	99
70) Styrene	11.96	104	643210	54.585	ug/l	99
71) Bromoform	12.13	173	186670	54.841	ug/l #	99
73) Isopropylbenzene	12.25	105	1057508	49.972	ug/l	100
74) N-amyl acetate	12.07	43	481137	53.656	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	368565	51.142	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	294626m	44.483	ug/l	
77) Bromobenzene	12.53	156	256516	48.246	ug/l	100
78) n-propylbenzene	12.59	91	1241353	51.231	ug/l	100
79) 2-Chlorotoluene	12.67	91	729297	48.518	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	900404	50.213	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	128819	51.370	ug/l	99
82) 4-Chlorotoluene	12.77	91	749059	49.685	ug/l	99
83) tert-Butylbenzene	12.99	119	767992	49.595	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	890980	51.357	ug/l	100
85) sec-Butylbenzene	13.17	105	1032050	51.245	ug/l	99
86) p-Isopropyltoluene	13.29	119	932498	52.439	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	456402	50.129	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	451566	49.572	ug/l	99
89) n-Butylbenzene	13.62	91	809527	52.013	ug/l	99
90) Hexachloroethane	13.88	117	172433	48.290	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	450744	50.328	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	77503	53.902	ug/l	99

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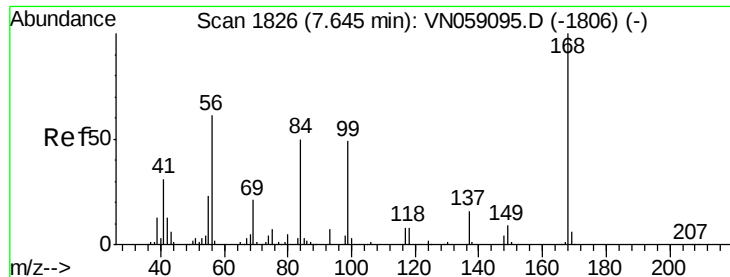
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	257239	47.502	ug/l	99
94) Hexachlorobutadiene	15.01	225	151673	49.115	ug/l	99
95) Naphthalene	15.13	128	730488	48.549	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	262315	52.262	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059216.D

Acq: 13 Nov 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 414943

Ion Ratio Lower Upper

168 100

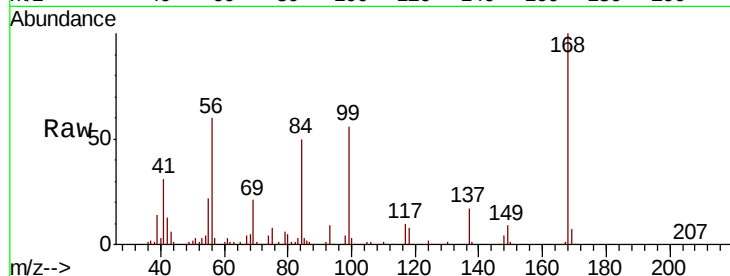
99 56.1 45.7 68.5

Manual Integrations

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11/14/2019 10:00:26 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

150000

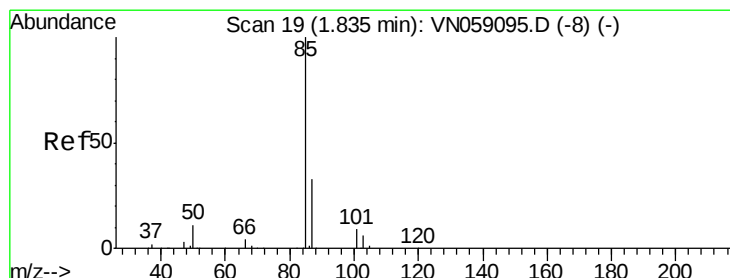
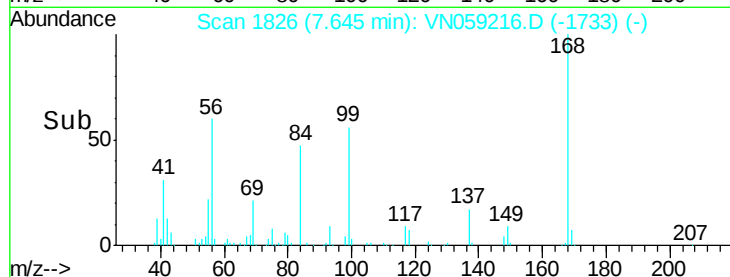
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 43.662 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059216.D

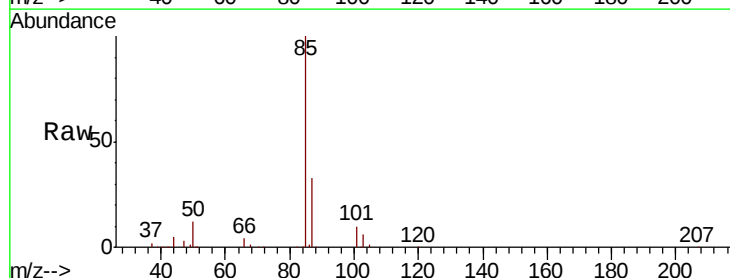
Acq: 13 Nov 2019 17:49

Tgt Ion: 85 Resp: 182538

Ion Ratio Lower Upper

85 100

87 33.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

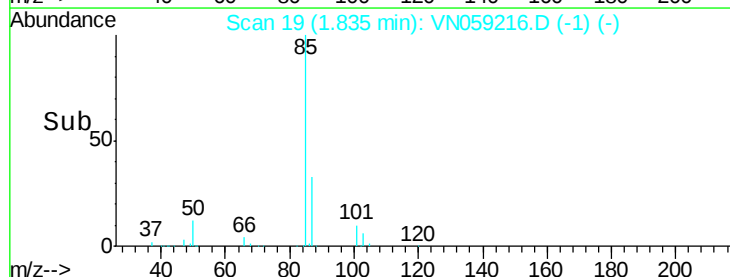
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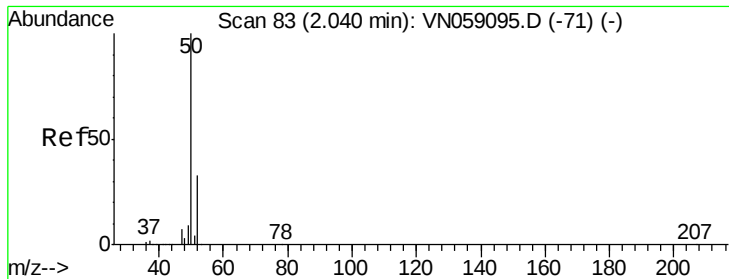
50000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 43.568 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059216.D

Acq: 13 Nov 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 247600

Ion Ratio Lower Upper

50 100

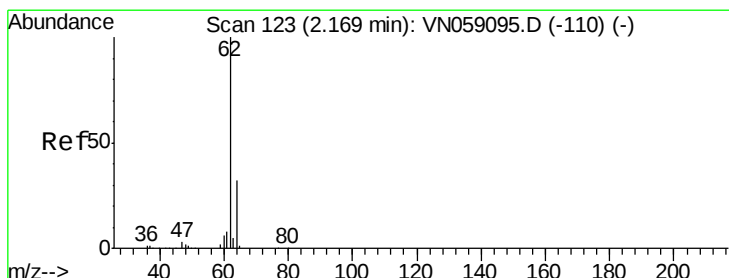
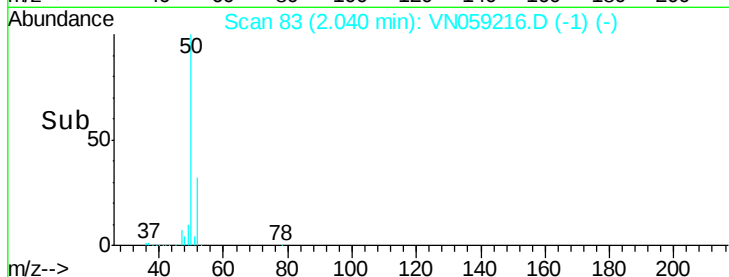
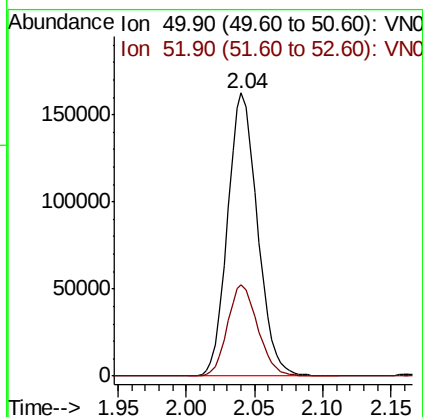
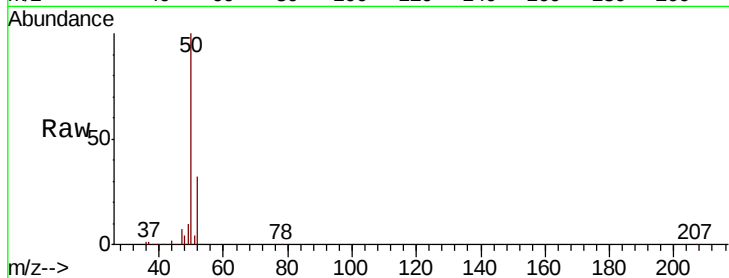
52 32.2 26.0 39.0

Manual Integrations

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MMDadoda

11/14/2019 10:00:26 AM



#4

Vinyl Chloride

Concen: 45.995 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN059216.D

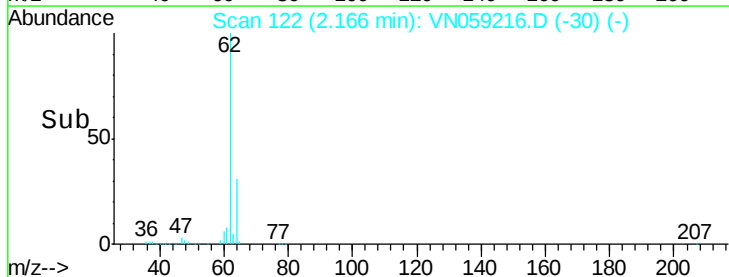
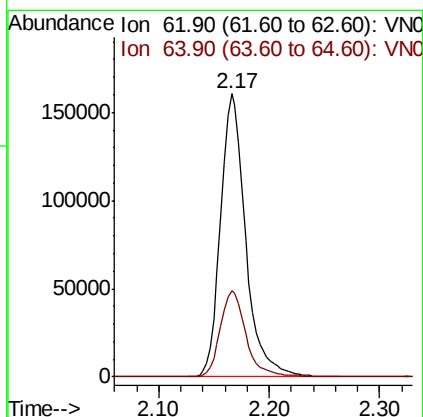
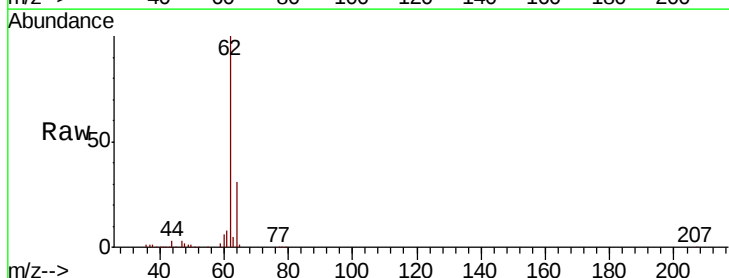
Acq: 13 Nov 2019 17:49

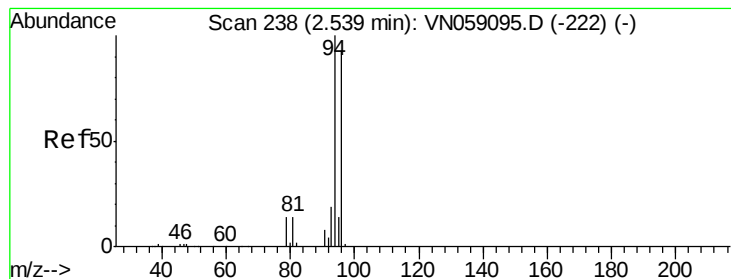
Tgt Ion: 62 Resp: 253422

Ion Ratio Lower Upper

62 100

64 30.5 25.4 38.2





#5

Bromomethane

Concen: 42.508 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.01 min

Lab File: VN059216.D

Acq: 13 Nov 2019 17:49

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 134779

Ion Ratio Lower Upper

94 100

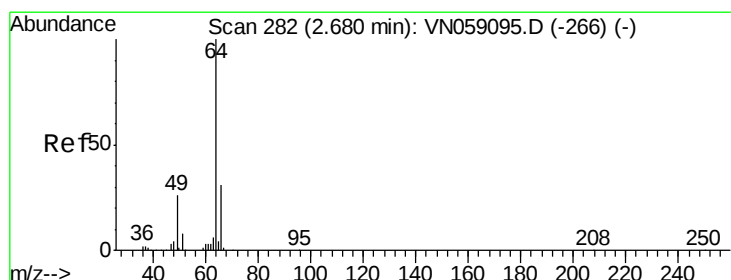
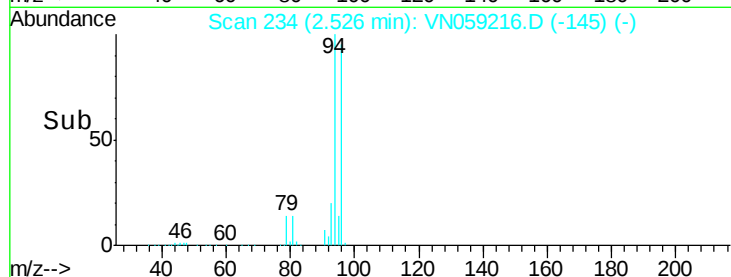
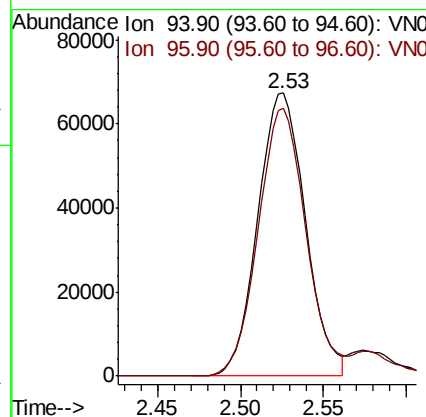
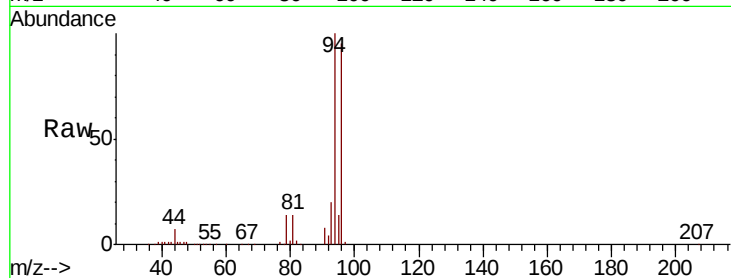
96 94.5 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 46.790 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.01 min

Lab File: VN059216.D

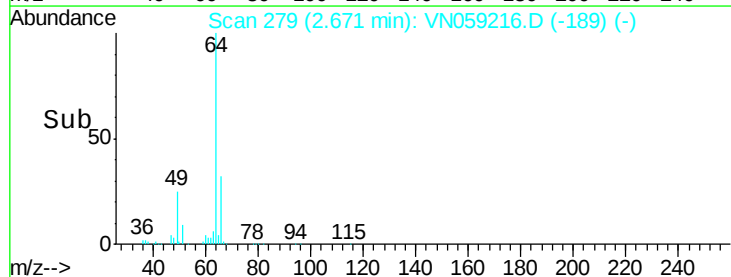
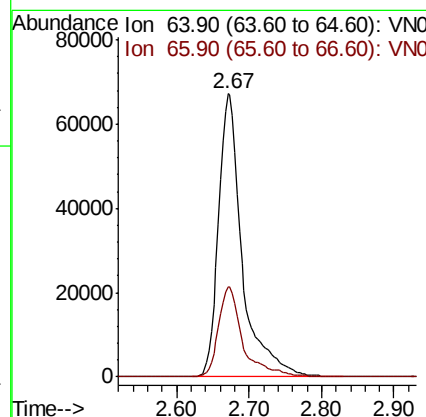
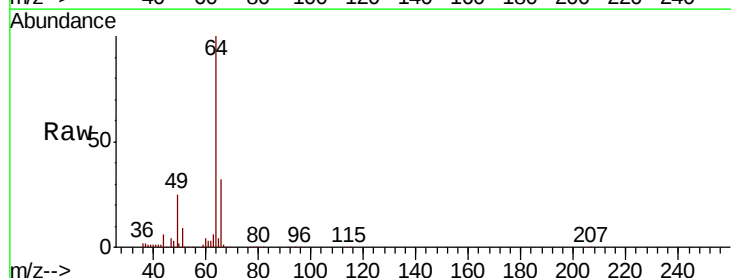
Acq: 13 Nov 2019 17:49

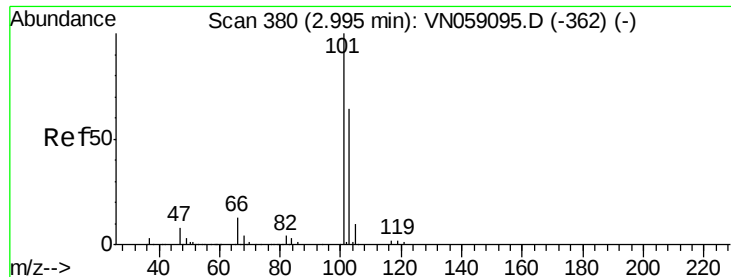
Tgt Ion: 64 Resp: 152502

Ion Ratio Lower Upper

64 100

66 31.9 25.2 37.8





#7

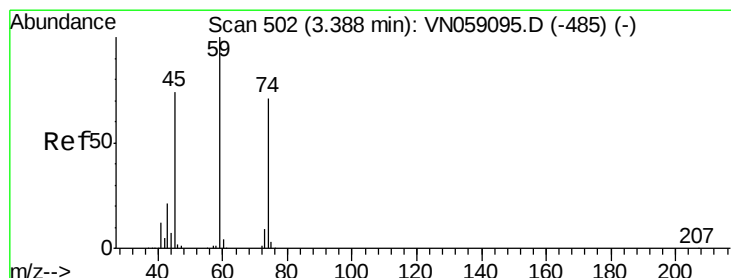
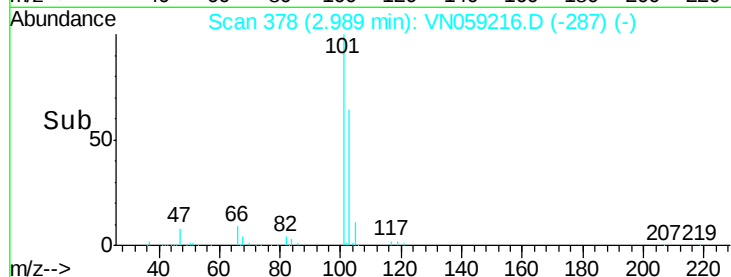
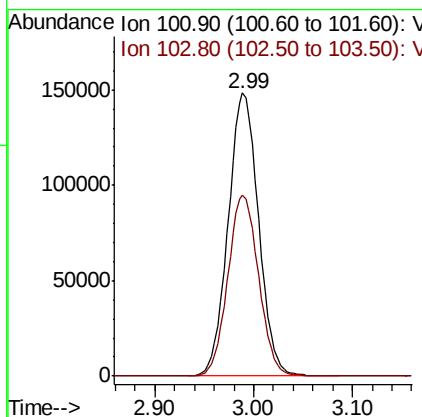
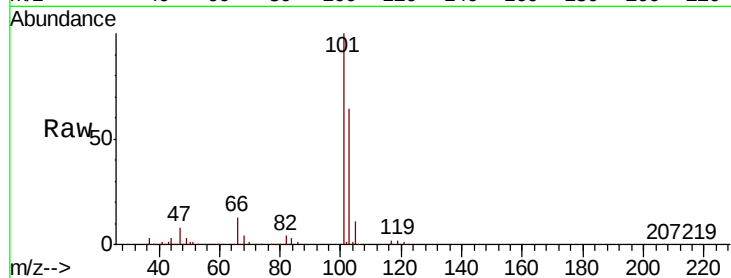
Trichlorofluoromethane
Concen: 48.424 ug/l
RT: 2.99 min Scan# 378
Delta R.T. -0.01 min
Lab File: VN059216.D
Acq: 13 Nov 2019 17:49

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	319131		
103	64.0	51.2	76.8	

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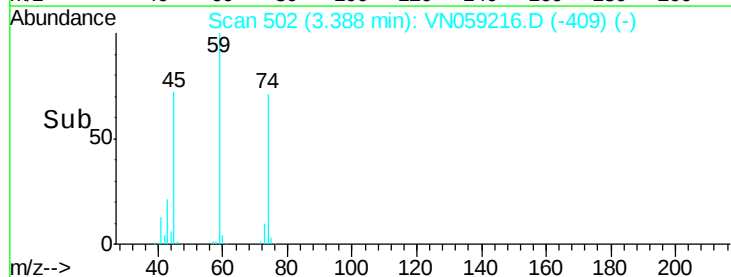
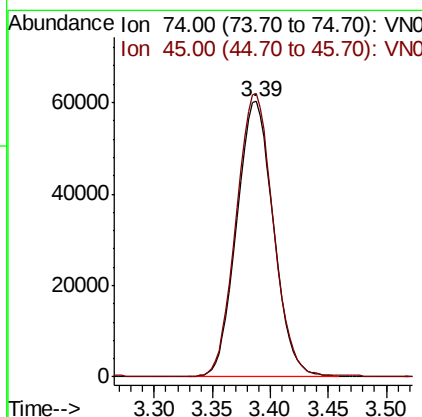
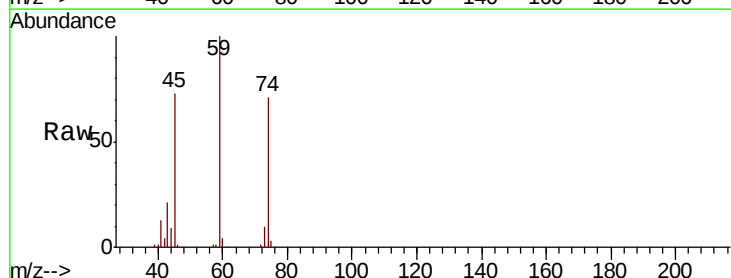
MMDadoda
11/14/2019 10:00:26 AM

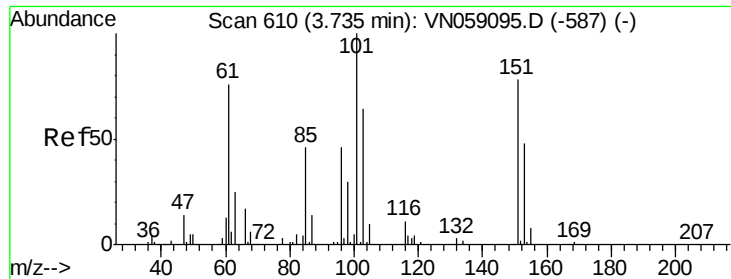


#8

Diethyl Ether
Concen: 49.845 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN059216.D
Acq: 13 Nov 2019 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	133475		
45	104.1	51.6	154.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.023 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059216.D

Acq: 13 Nov 2019 17:49

Instrument :

MSVOA_N

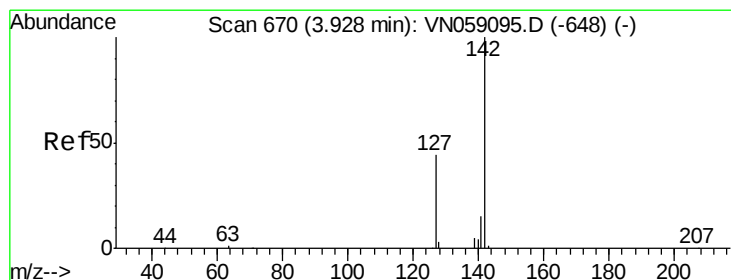
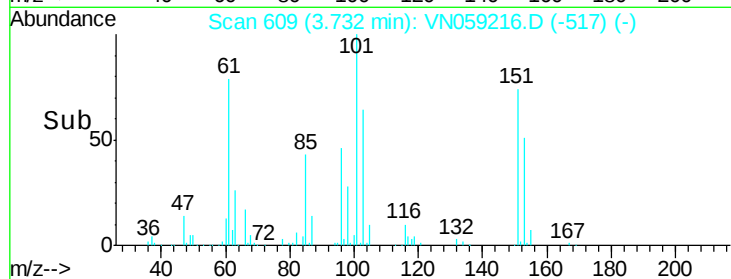
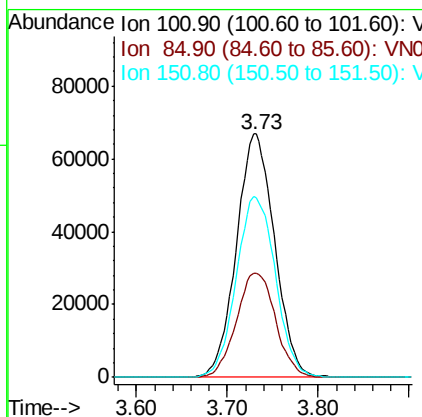
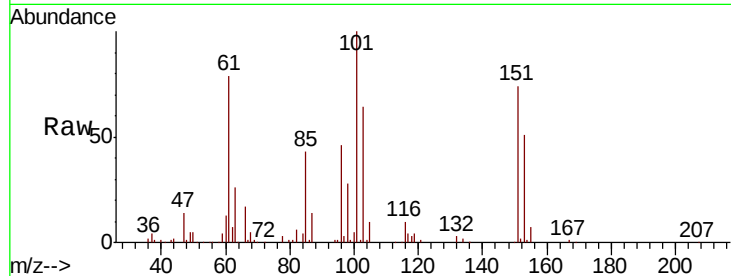
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	194797
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.5	53.3
151	76.2	62.2	93.2

Manual Integrations
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#10

Methyl Iodide

Concen: 49.376 ug/l

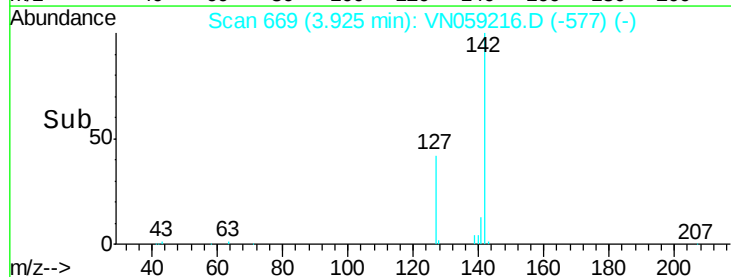
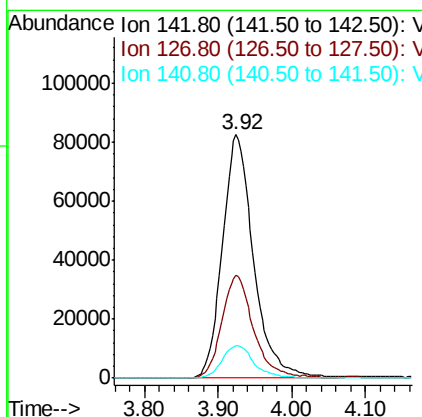
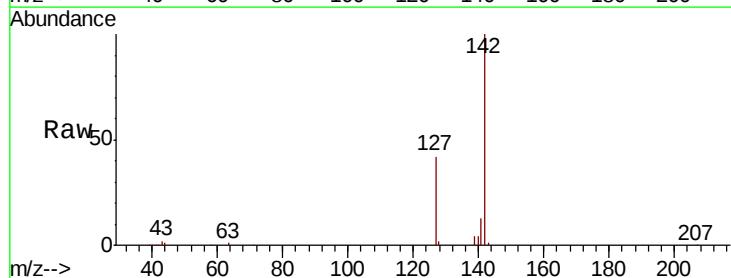
RT: 3.92 min Scan# 669

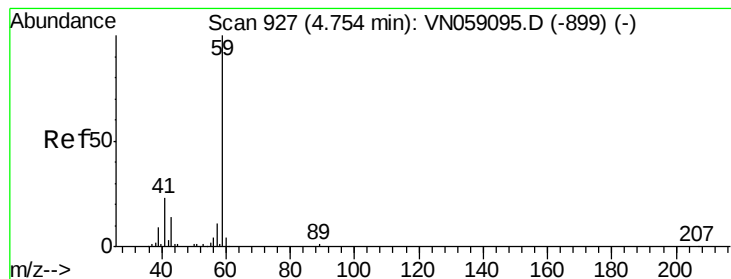
Delta R.T. -0.00 min

Lab File: VN059216.D

Acq: 13 Nov 2019 17:49

Tgt Ion:	142	Resp:	242853
Ion Ratio	Lower	Upper	
142	100		
127	42.9	34.2	51.2
141	13.8	11.4	17.0





#11

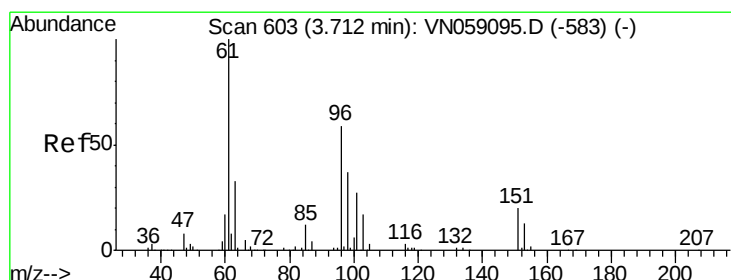
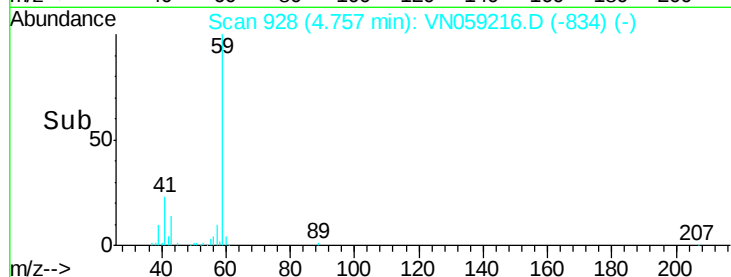
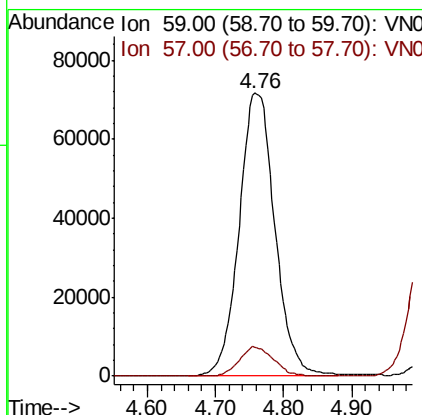
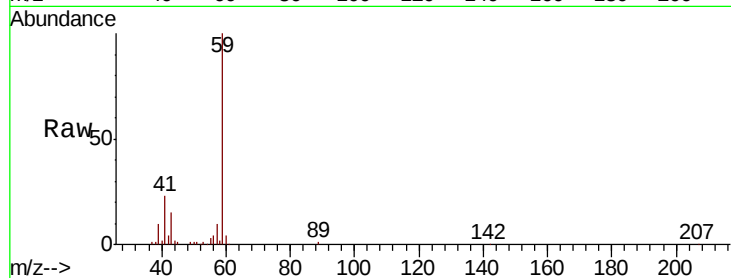
Tert butyl alcohol
Concen: 268.792 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.00 min
Lab File: VN059216.D
Acq: 13 Nov 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	261289
Ion Ratio	100	Lower	Upper
57	10.0	8.3	12.5

Manual Integrations
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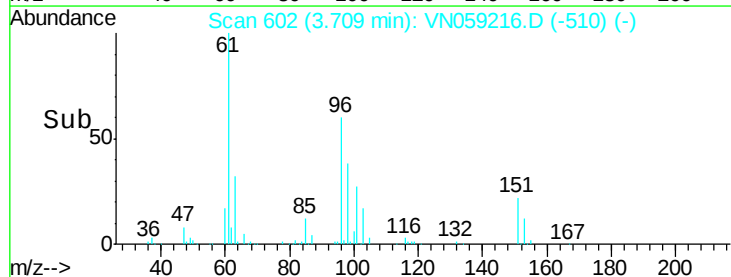
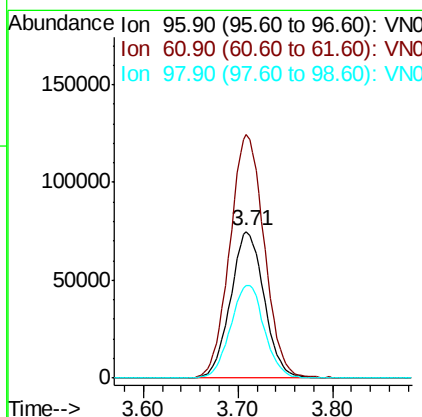
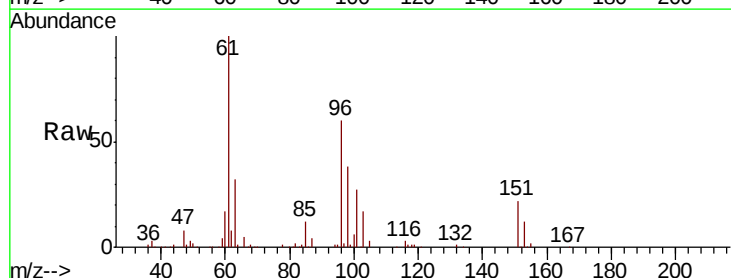
MMDadoda
11/14/2019 10:00:26 AM

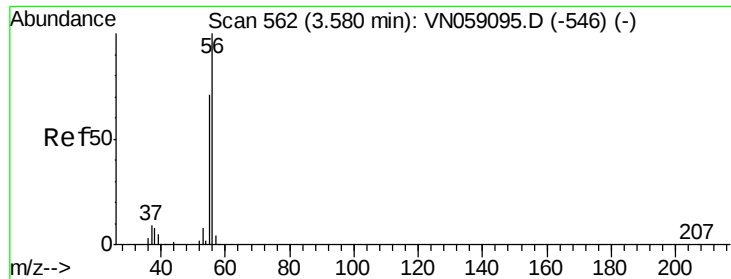


#12

1,1-Dichloroethene
Concen: 47.849 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN059216.D
Acq: 13 Nov 2019 17:49

Tgt Ion	96	Resp	185213
Ion Ratio	100	Lower	Upper
61	165.7	136.5	204.7
98	63.3	50.2	75.4





#13

Acrolein

Concen: 315.678 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059216.D

Acq: 13 Nov 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 158214

Ion Ratio Lower Upper

56 100

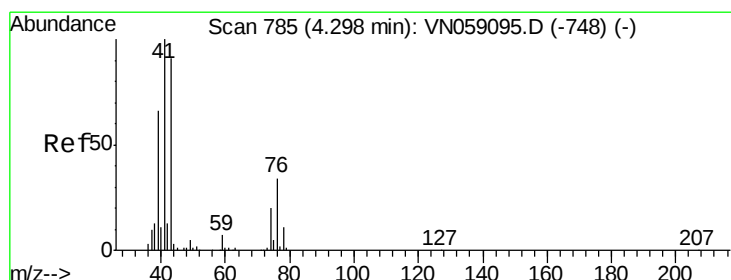
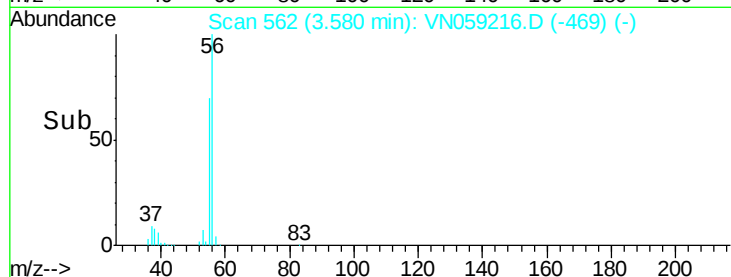
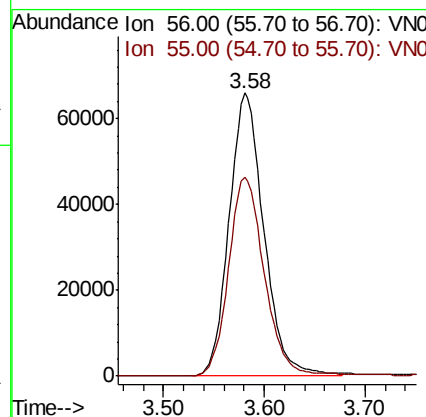
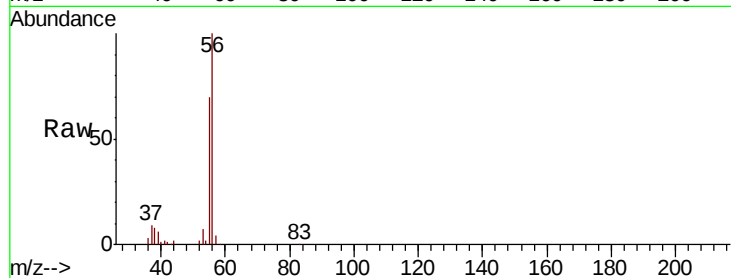
55 72.5 56.4 84.6

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 47.719 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059216.D

Acq: 13 Nov 2019 17:49

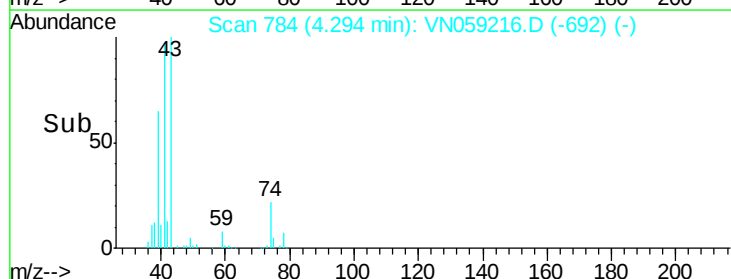
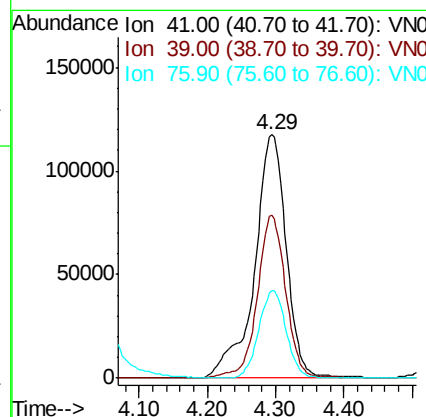
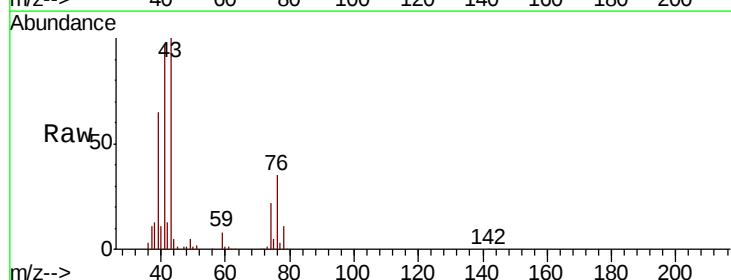
Tgt Ion: 41 Resp: 379416

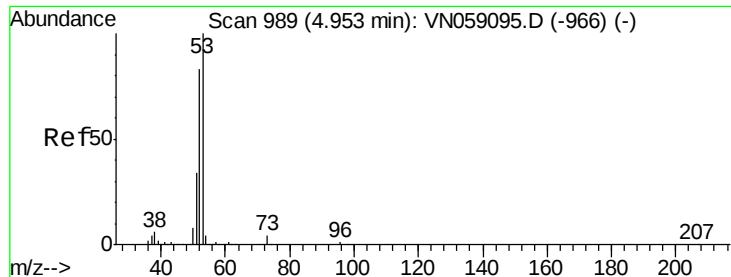
Ion Ratio Lower Upper

41 100

39 59.9 49.1 73.7

76 30.7 24.9 37.3





#15

Acrylonitrile

Concen: 273.354 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059216.D

Acq: 13 Nov 2019 17:49

Instrument :

MSVOA_N

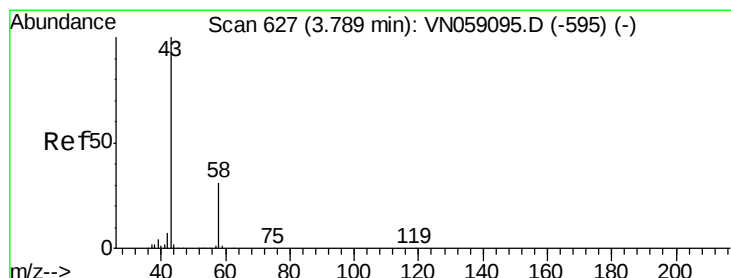
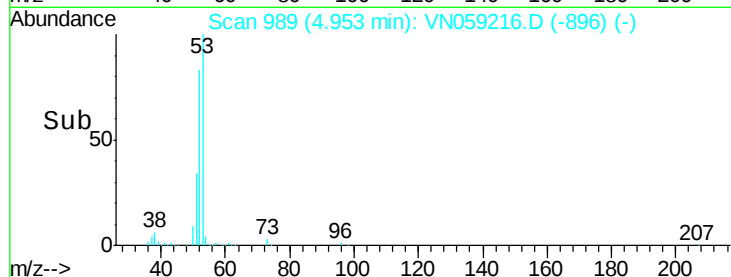
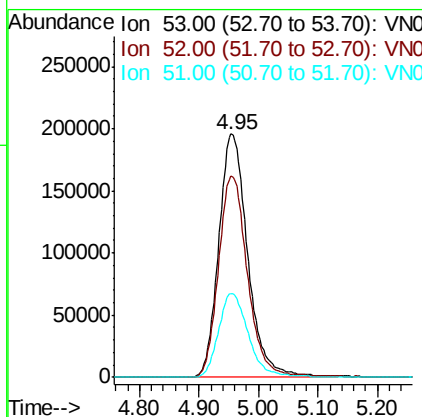
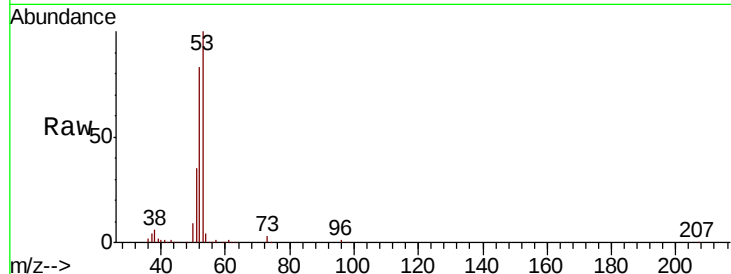
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	661296
Ion Ratio		Lower	Upper
53	100		
52	82.7	65.0	97.6
51	35.6	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 214.853 ug/l

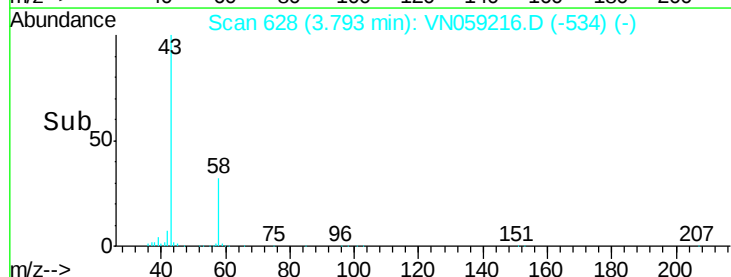
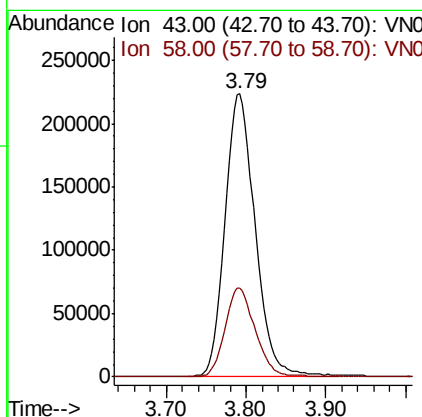
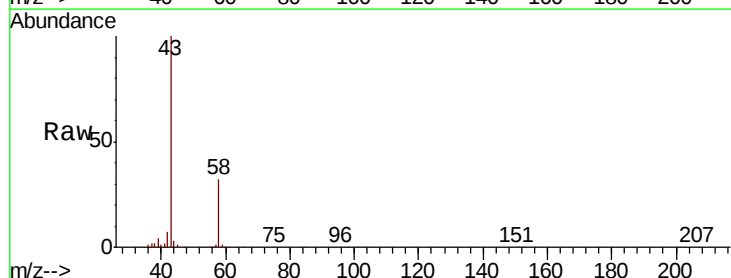
RT: 3.79 min Scan# 628

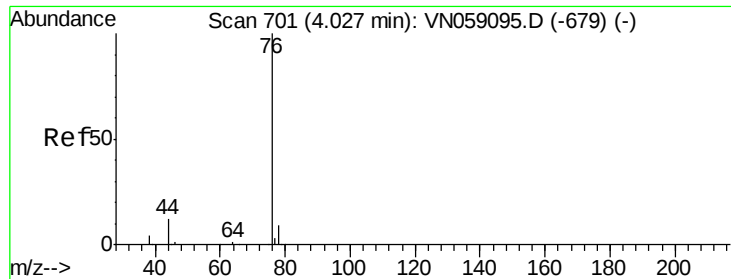
Delta R.T. 0.00 min

Lab File: VN059216.D

Acq: 13 Nov 2019 17:49

Tgt Ion:	43	Resp:	569891
Ion Ratio		Lower	Upper
43	100		
58	31.5	24.9	37.3





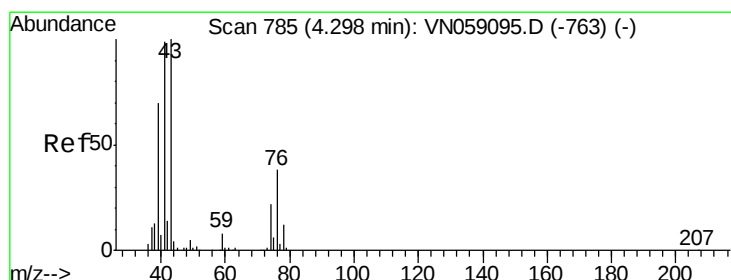
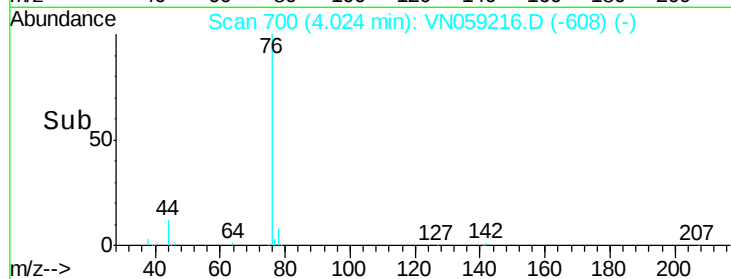
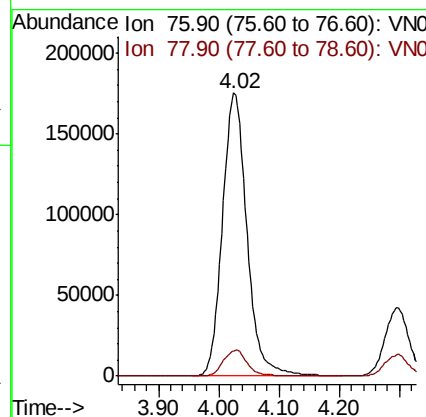
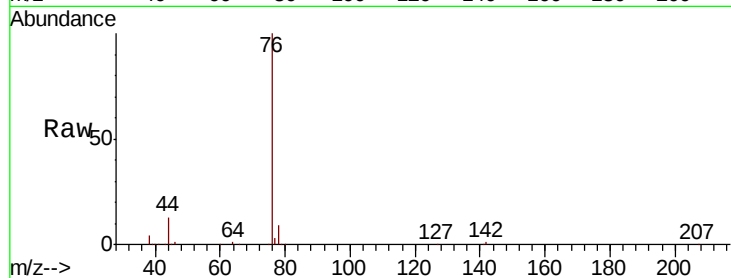
#17
Carbon Disulfide
Concen: 40.993 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.00 min
Lab File: VN059216.D
Acq: 13 Nov 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.0

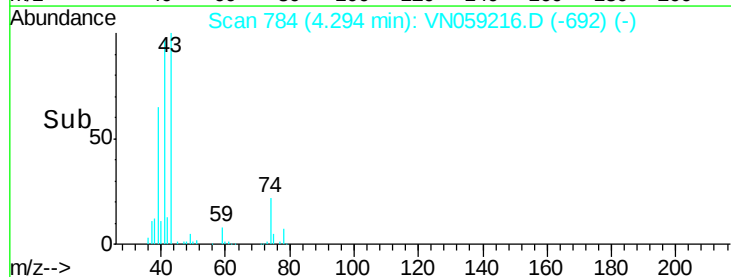
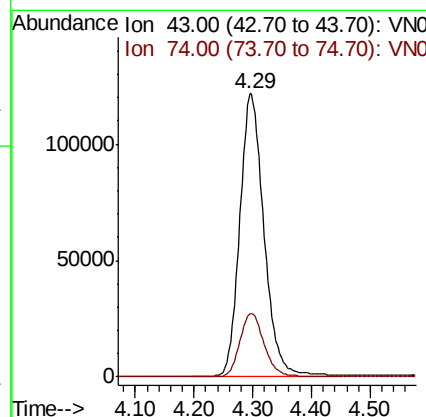
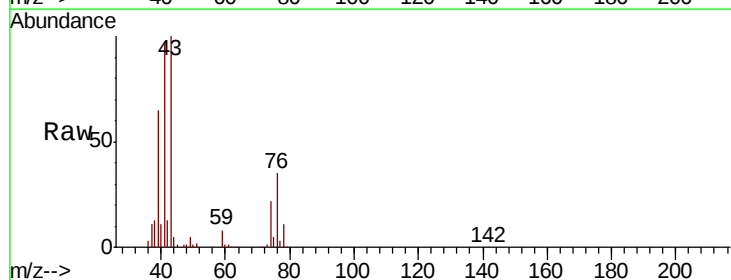
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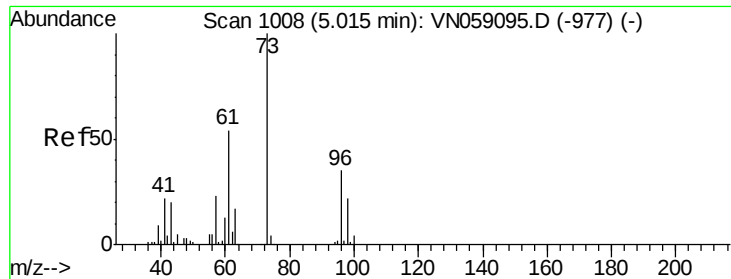
MMDadoda
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#18
Methyl Acetate
Concen: 55.548 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059216.D
Acq: 13 Nov 2019 17:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.6	17.8	26.8





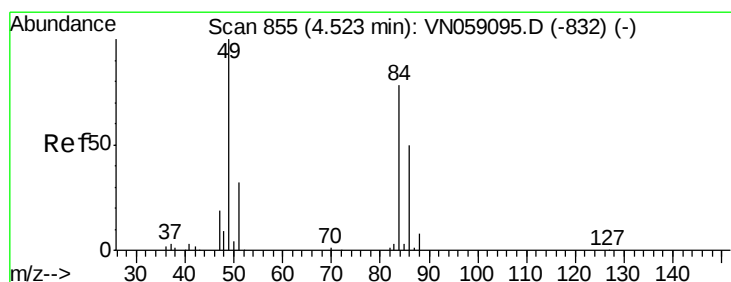
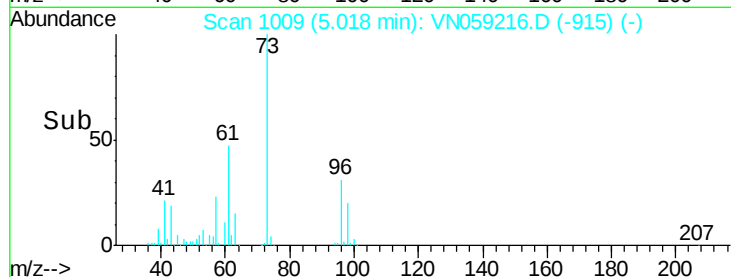
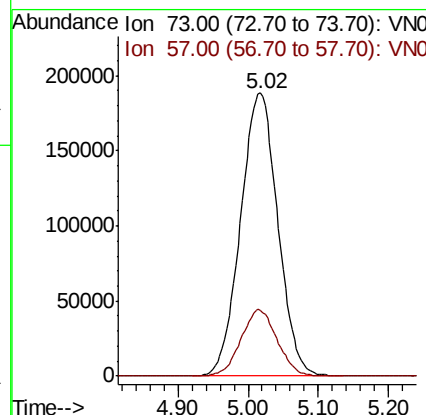
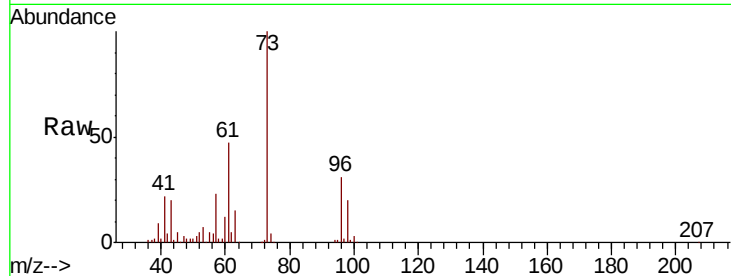
#19
Methvl tert-butvl Ether
Concen: 52.094 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN059216.D
Acq: 13 Nov 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 694232
Ion Ratio Lower Upper
73 100
57 23.1 18.4 27.6

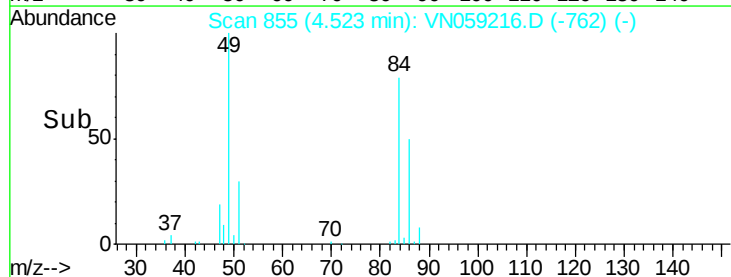
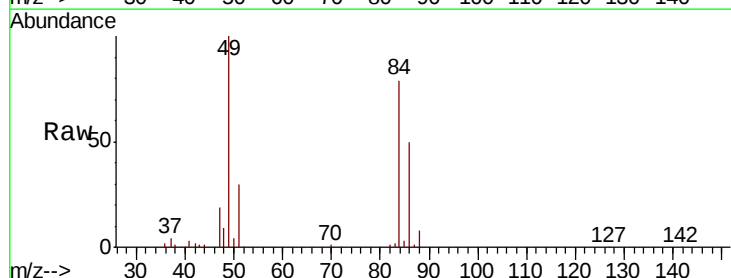
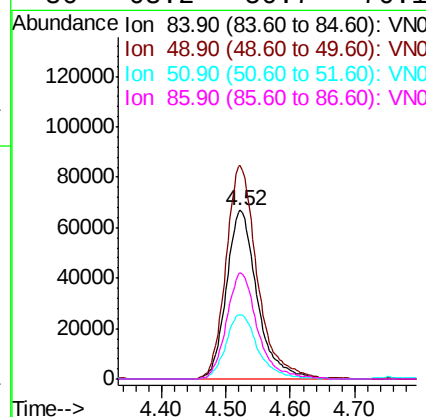
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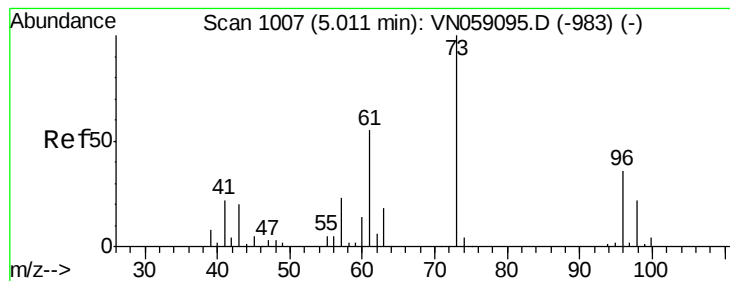
MMDadoda
11/14/2019 10:00:26 AM



#20
Methylene Chloride
Concen: 48.270 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059216.D
Acq: 13 Nov 2019 17:49

Tgt Ion: 84 Resp: 223056
Ion Ratio Lower Upper
84 100
49 126.5 102.0 153.0
51 38.0 32.2 48.2
86 63.2 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 48.057 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN059216.D

Acq: 13 Nov 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 199670

Ion Ratio Lower Upper

96 100

61 148.0 122.6 183.8

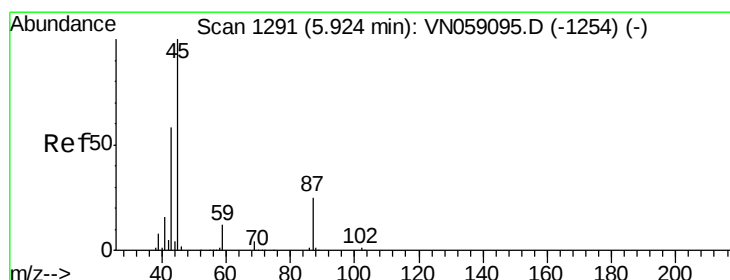
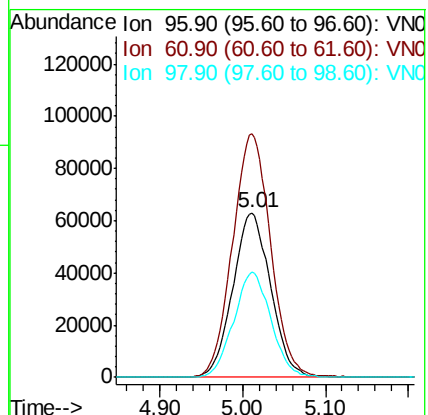
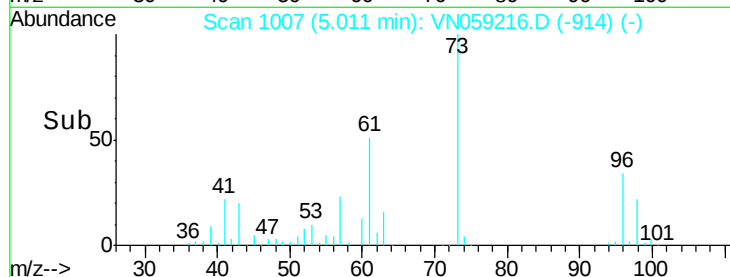
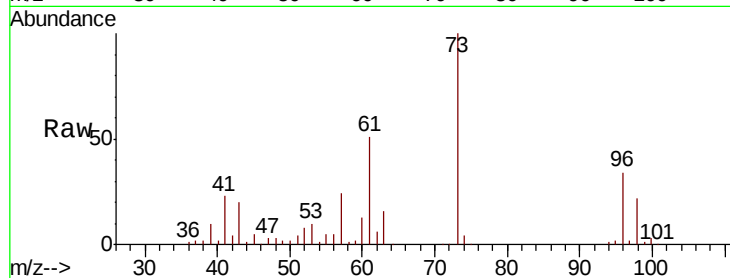
98 63.7 50.3 75.5

Manual Integrations

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MMDadoda

11/14/2019 10:00:26 AM



#22

Diisopropyl ether

Concen: 51.713 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. -0.00 min

Lab File: VN059216.D

Acq: 13 Nov 2019 17:49

Tgt Ion: 45 Resp: 776644

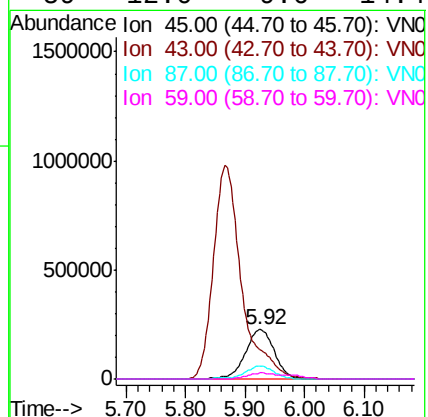
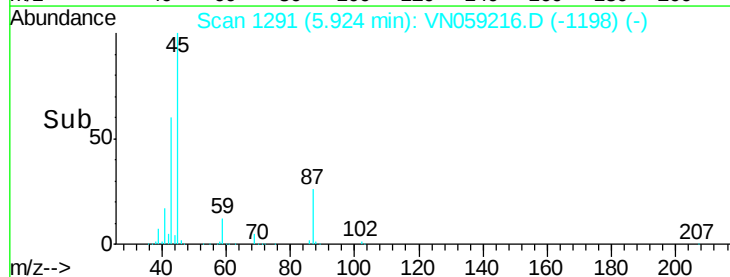
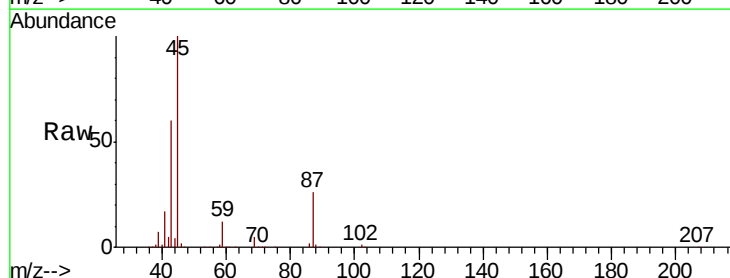
Ion Ratio Lower Upper

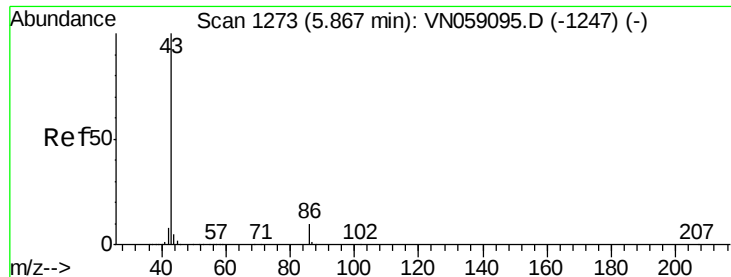
45 100

43 58.8 46.7 70.1

87 26.0 20.5 30.7

59 12.0 9.6 14.4





#23

Vinyl Acetate

Concen: 277.255 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN059216.D

Acq: 13 Nov 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3227115

Ion Ratio Lower Upper

43 100

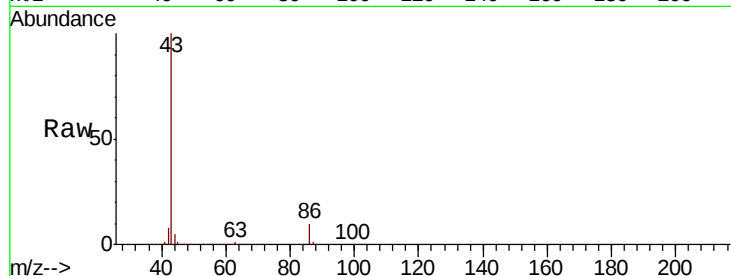
86 9.6 7.7 11.5

Manual Integrations

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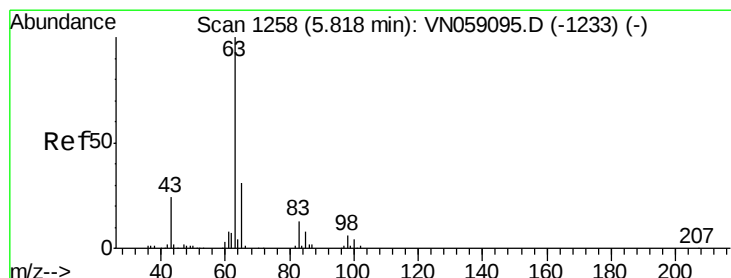
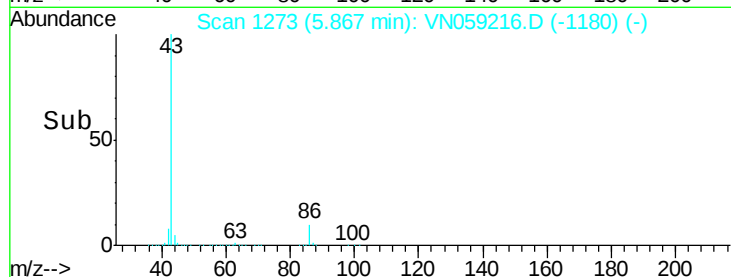
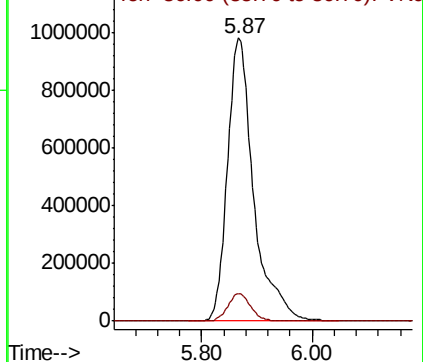
MMDadoda

11/14/2019 10:00:26 AM



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 86.00 (85.70 to 86.70): VNO



#24

1,1-Dichloroethane

Concen: 49.882 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059216.D

Acq: 13 Nov 2019 17:49

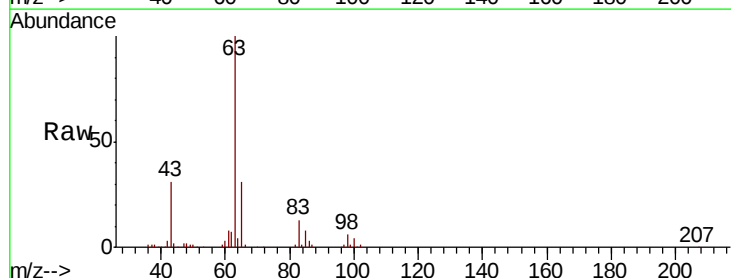
Tgt Ion: 63 Resp: 418421

Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.4

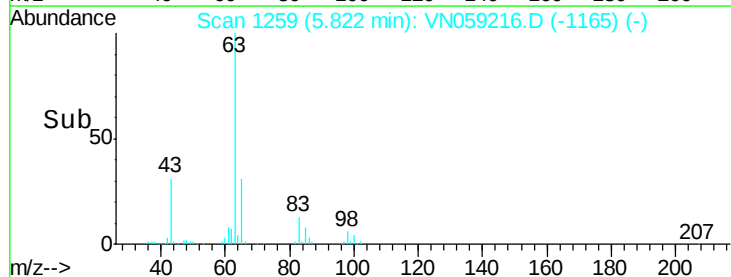
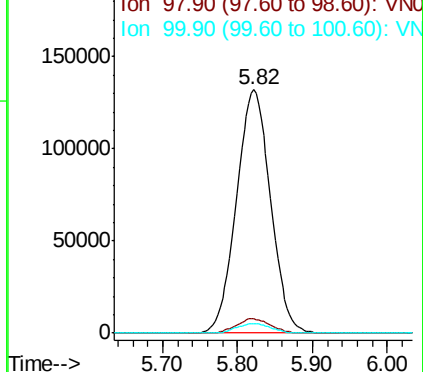
100 4.0 1.9 5.7

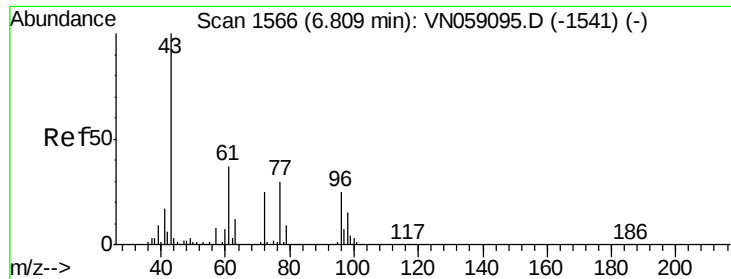


Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

Ion 99.90 (99.60 to 100.60): VNO





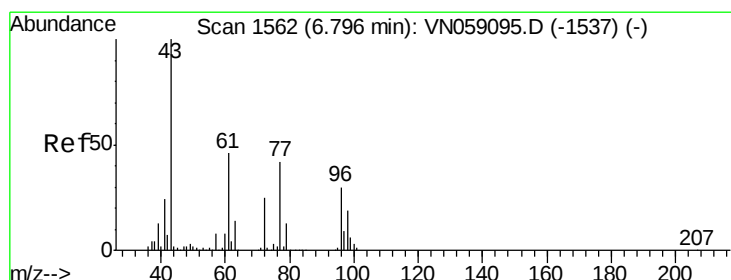
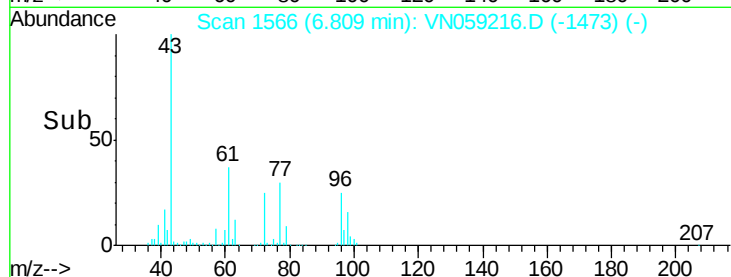
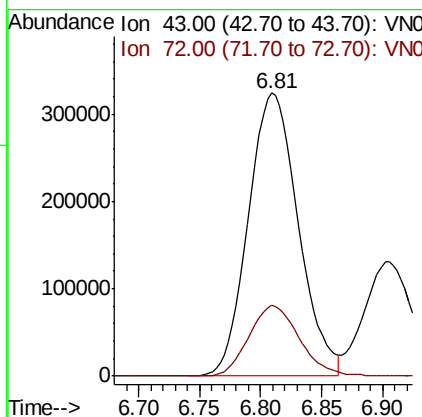
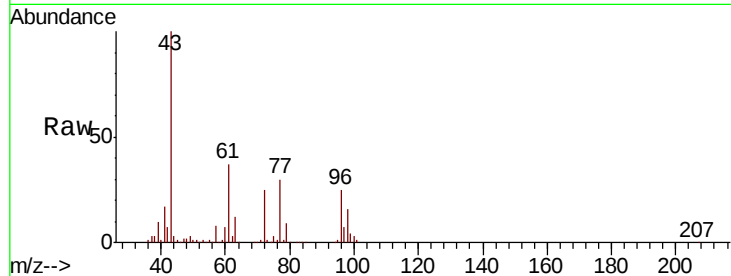
#25
2-Butanone
Concen: 262.501 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VN059216.D
Acq: 13 Nov 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 917651
Ion Ratio Lower Upper
43 100
72 25.0 20.3 30.5

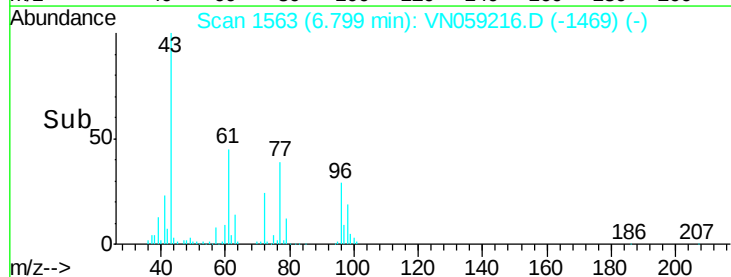
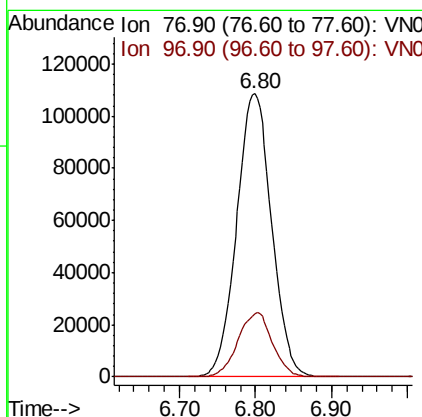
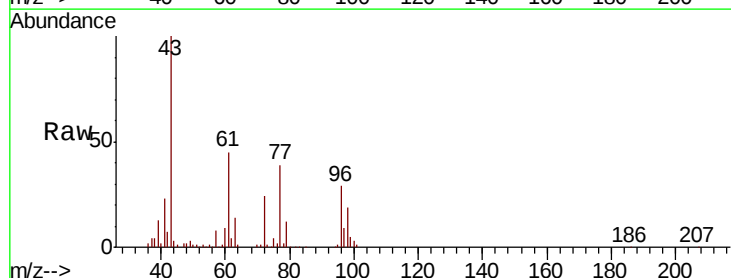
Manual Integrations
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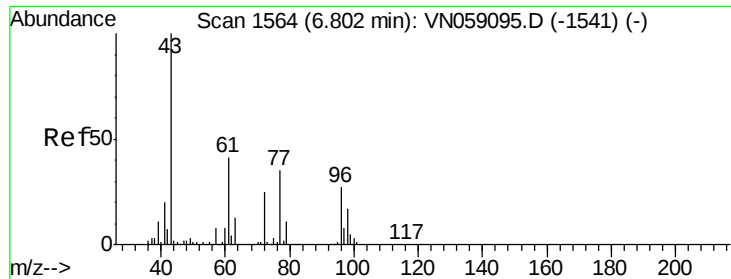
MMDadoda
11/14/2019 10:00:26 AM



#26
2,2-Dichloropropane
Concen: 47.227 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059216.D
Acq: 13 Nov 2019 17:49

Tgt Ion: 77 Resp: 346396
Ion Ratio Lower Upper
77 100
97 22.5 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 49.439 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059216.D

Acq: 13 Nov 2019 17:49

Instrument :

MSVOA_N

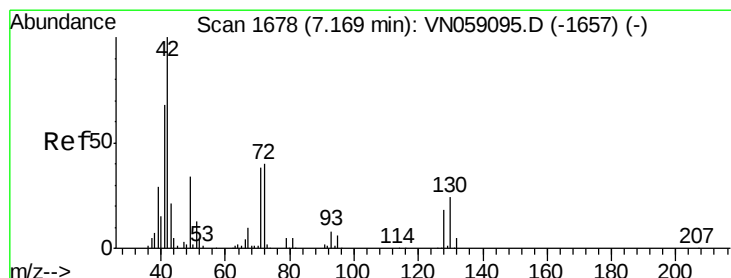
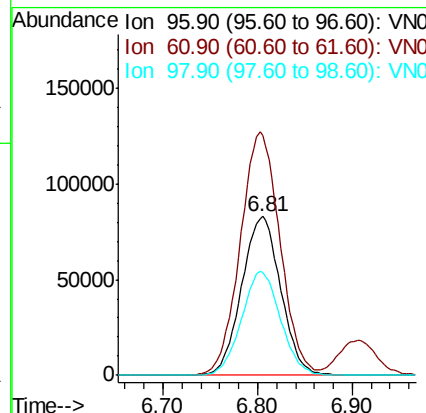
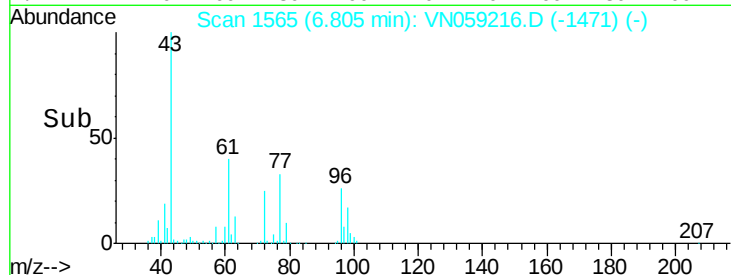
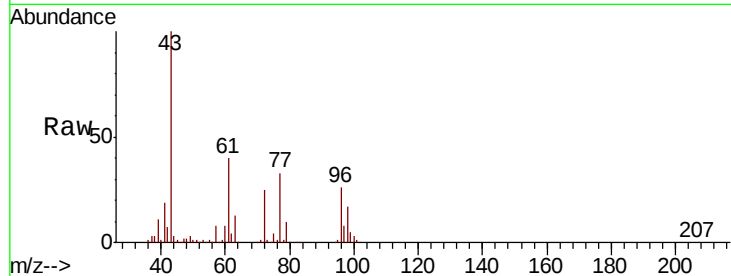
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	238312
Ion Ratio	Lower	Upper	
96	100		
61	155.4	0.0	311.6
98	65.3	0.0	129.8

Manual Integrations
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11/14/2019 10:00:26 AM



#28

Bromochloromethane

Concen: 47.024 ug/l

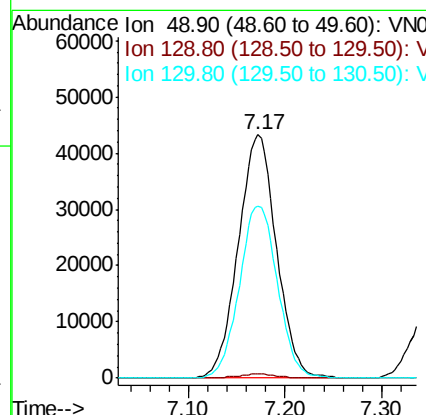
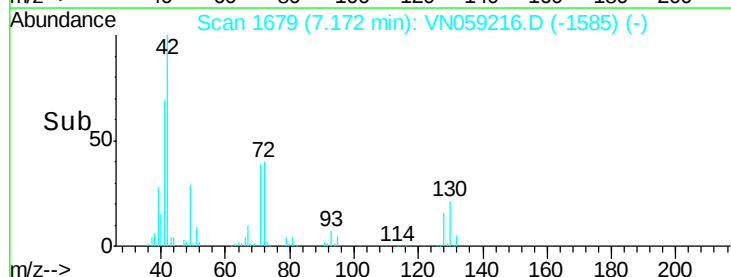
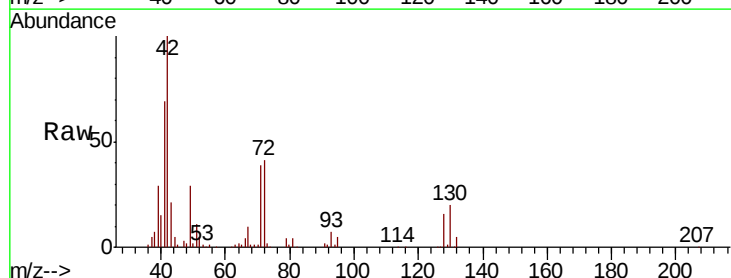
RT: 7.17 min Scan# 1679

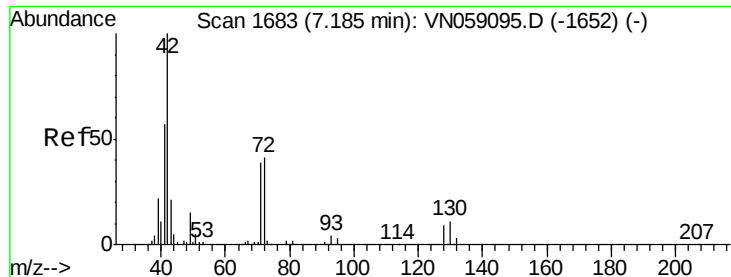
Delta R.T. 0.00 min

Lab File: VN059216.D

Acq: 13 Nov 2019 17:49

Tgt Ion:	49	Resp:	118672
Ion Ratio	Lower	Upper	
49	100		
129	1.6	0.0	3.8
130	70.8	55.6	83.4





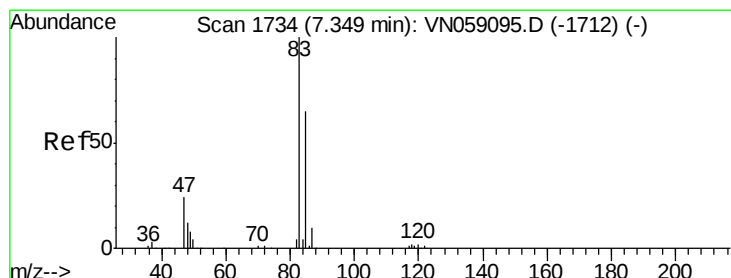
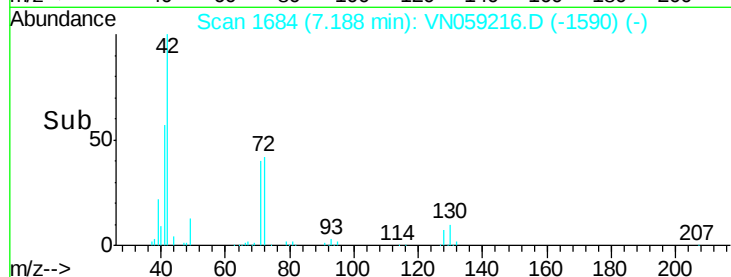
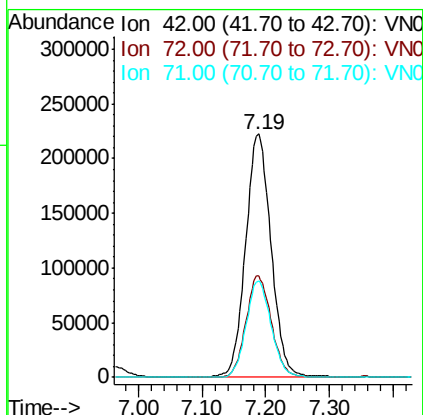
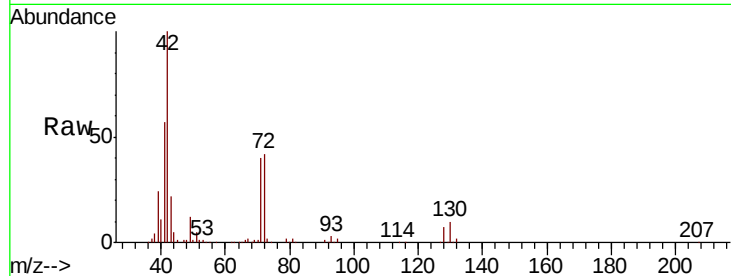
#29
Tetrahydrofuran
Concen: 279.242 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059216.D
Acq: 13 Nov 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.1	49.7
71	38.9	30.9	46.3

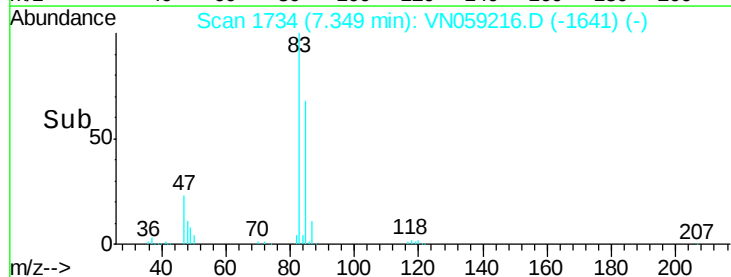
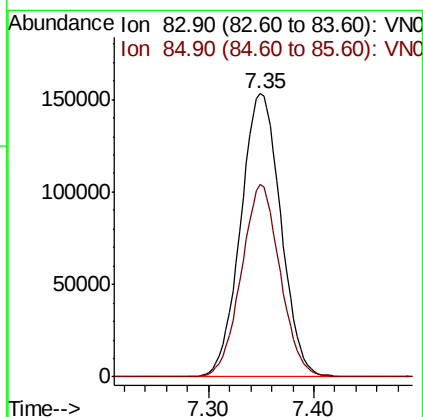
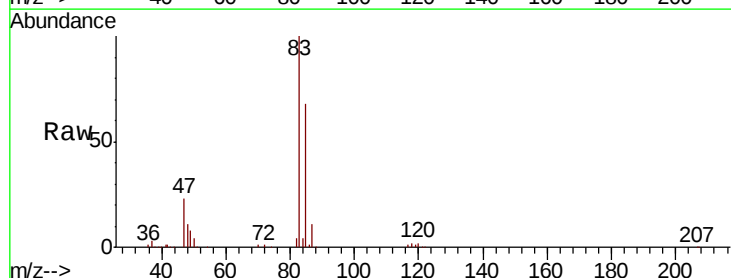
Manual Integrations
APPROVED

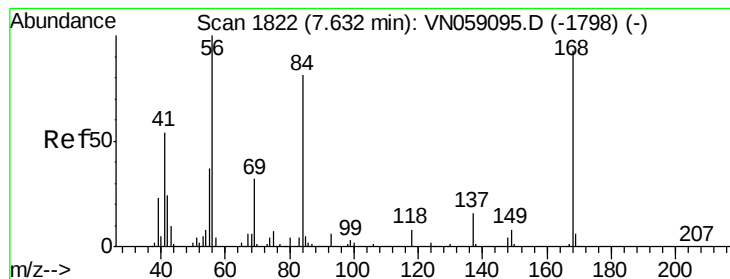
MMDadoda
11/14/2019 10:00:26 AM



#30
Chloroform
Concen: 50.337 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059216.D
Acq: 13 Nov 2019 17:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.0	51.8	77.8





#31

Cyclohexane

Concen: 45.018 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059216.D

Acq: 13 Nov 2019 17:49

Instrument :

MSVOA_N

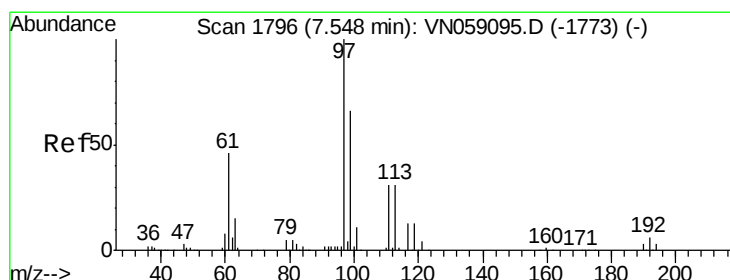
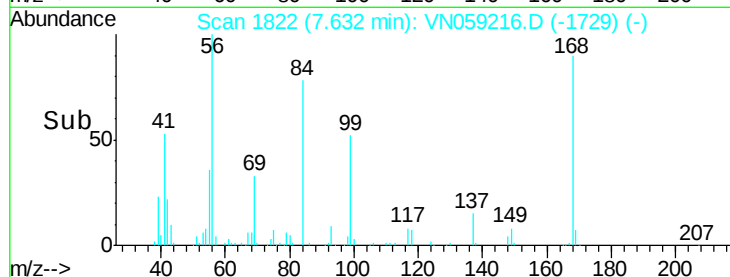
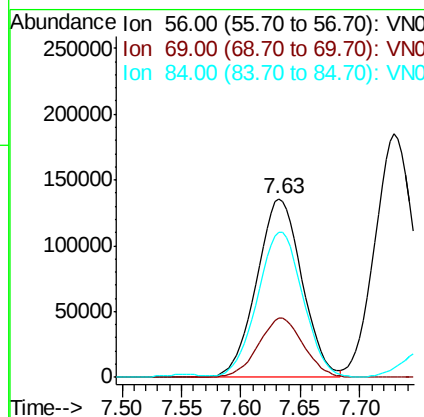
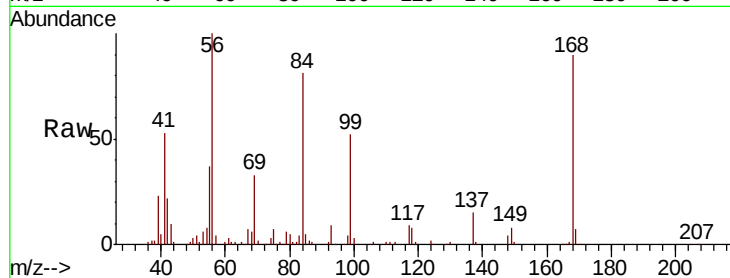
ClientSampleID :

VSTDCCC050EC

Tot Ion:	56	Resp:	357483
Ion Ratio	Lower	Upper	
56	100		
69	33.0	25.8	38.8
84	79.8	65.0	97.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.927 ug/l

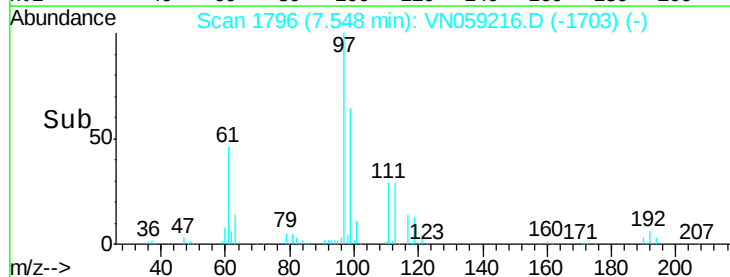
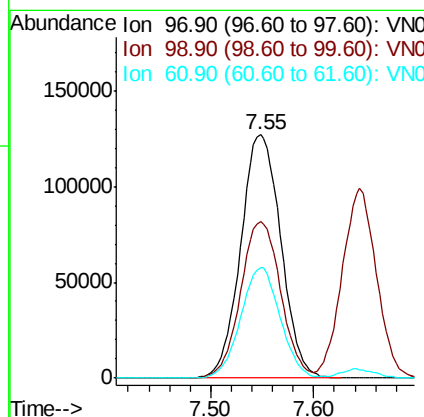
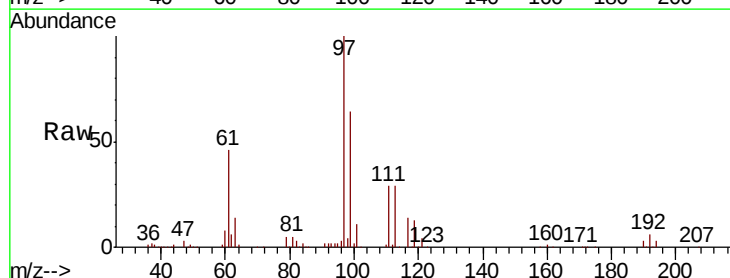
RT: 7.55 min Scan# 1796

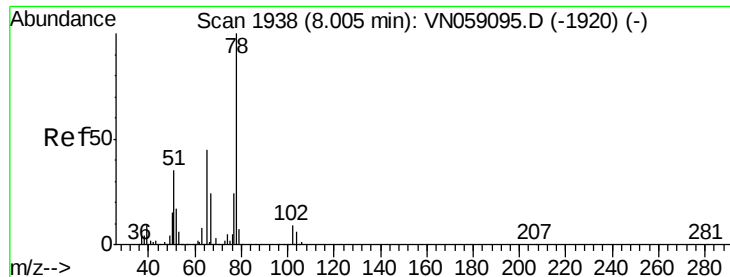
Delta R.T. 0.00 min

Lab File: VN059216.D

Acq: 13 Nov 2019 17:49

Tgt Ion:	97	Resp:	344530
Ion Ratio	Lower	Upper	
97	100		
99	64.2	51.0	76.6
61	44.7	35.8	53.8





#33

1,2-Dichloroethane-d4

Concen: 50.185 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059216.D

Acq: 13 Nov 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 255981

Ion Ratio Lower Upper

65 100

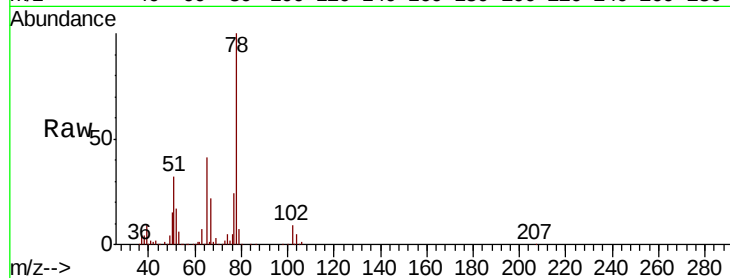
67 54.6 0.0 107.4

Manual Integrations

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11/14/2019 10:00:26 AM



Abundance Ion 64.90 (64.60 to 65.60): VN059216.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN059216.D (-1845) (-)

8.01

120000

100000

80000

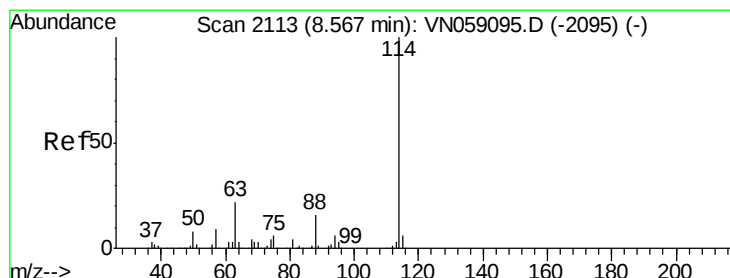
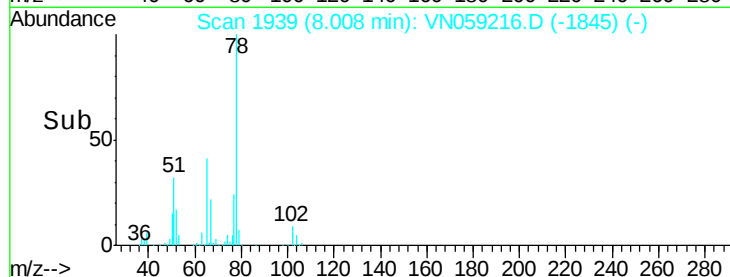
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN059216.D

Acq: 13 Nov 2019 17:49

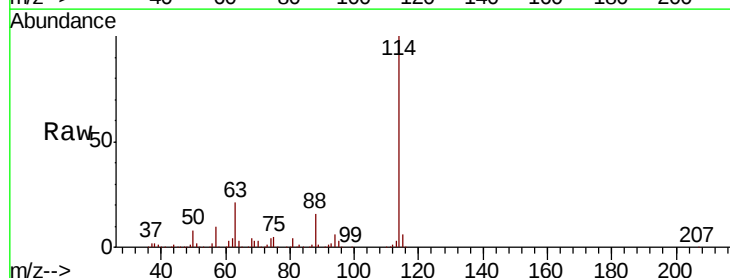
Tgt Ion: 114 Resp: 649593

Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.4

88 16.2 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): VN059216.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN059216.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN059216.D (-2020) (-)

8.57

400000

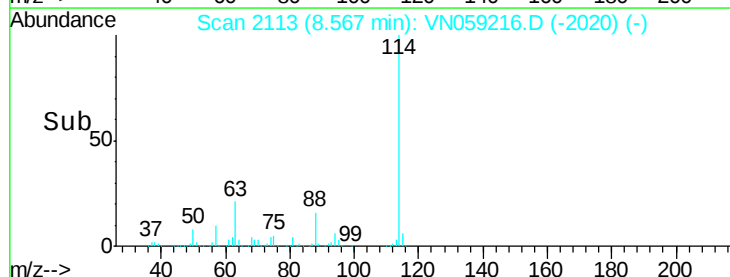
300000

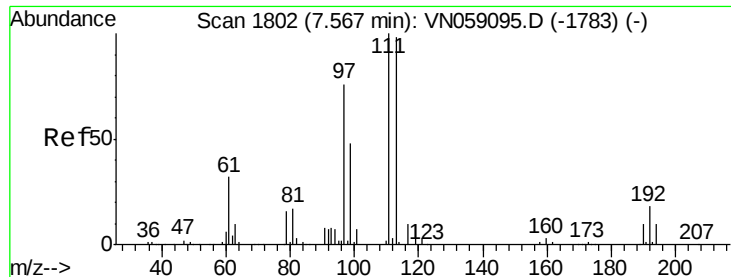
200000

100000

0

Time-->





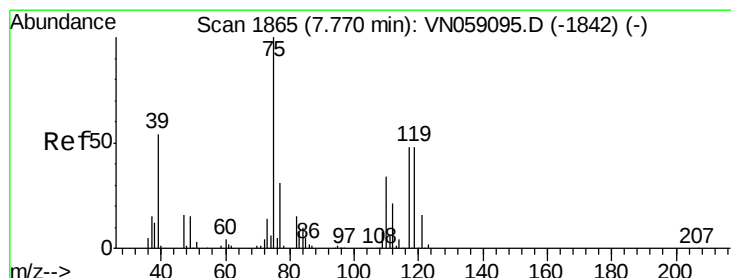
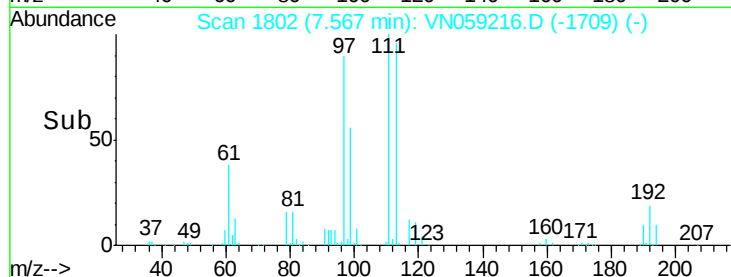
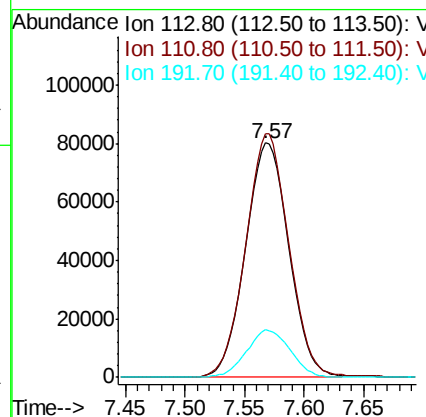
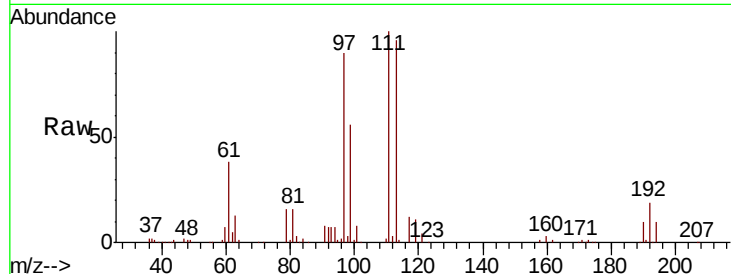
#35
Dibromofluoromethane
Concen: 52.269 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN059216.D
Acq: 13 Nov 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	202737		
111	103.3	82.8	124.2	
192	20.3	16.1	24.1	

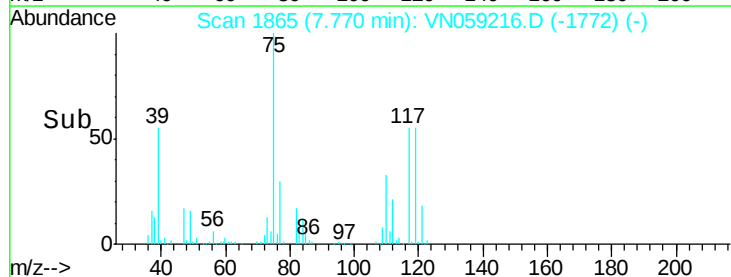
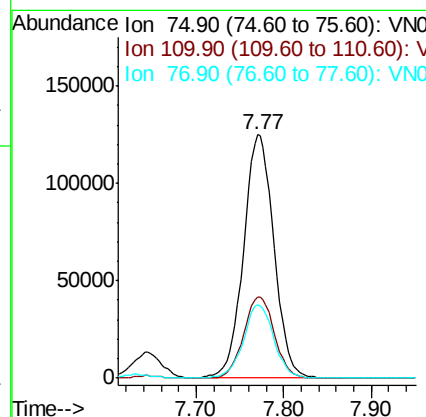
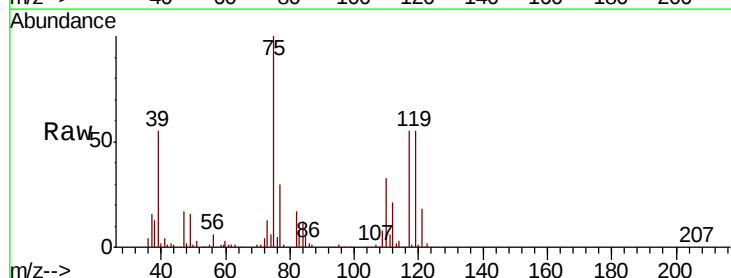
Manual Integrations
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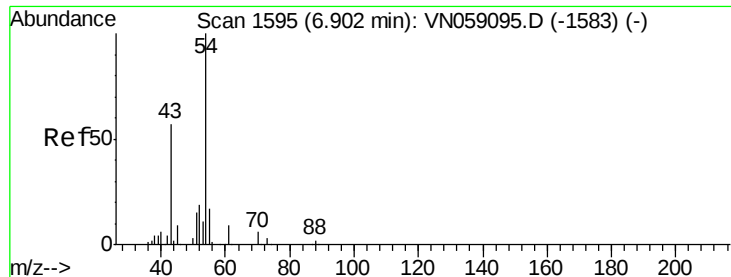
MMDadoda
11/14/2019 10:00:26 AM



#36
1,1-Dichloropropene
Concen: 49.291 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN059216.D
Acq: 13 Nov 2019 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	299284		
110	33.9	17.1	51.2	
77	30.4	24.8	37.2	





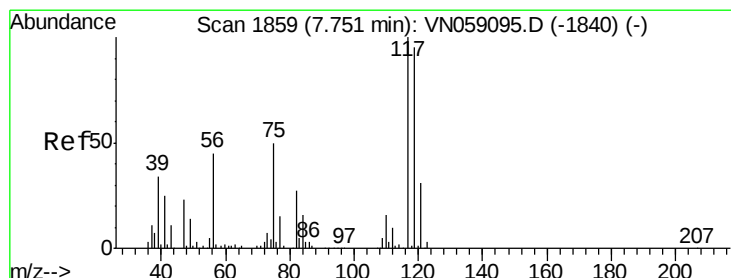
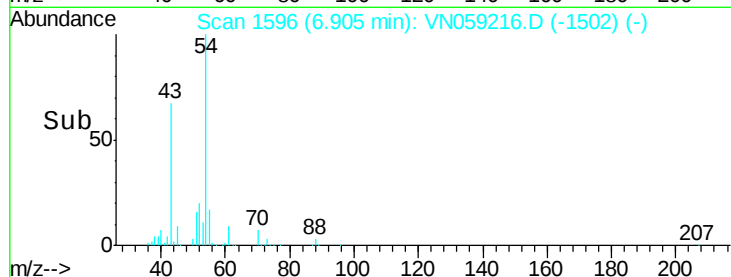
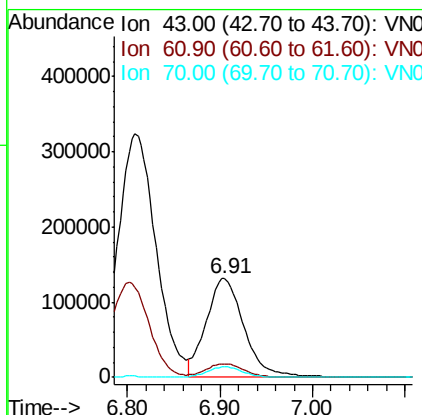
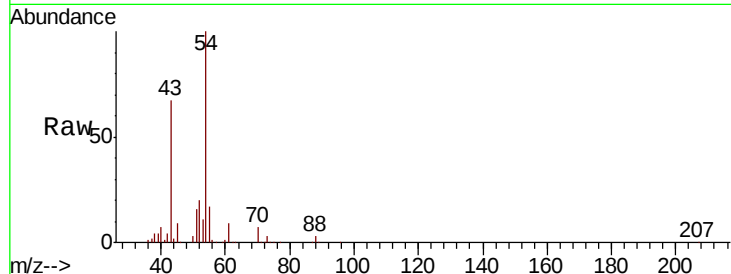
#37
Ethyl Acetate
Concen: 54.446 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059216.D
Acq: 13 Nov 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.2	16.8
70	10.2	7.8	11.8

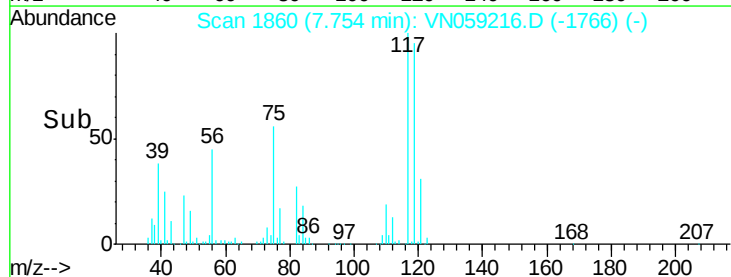
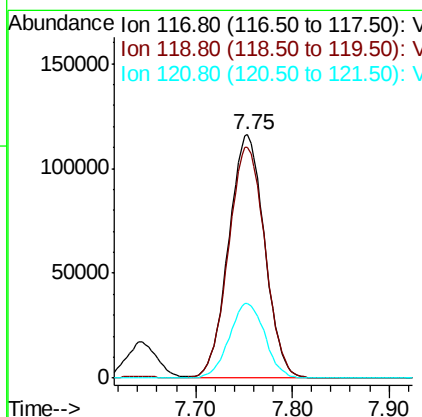
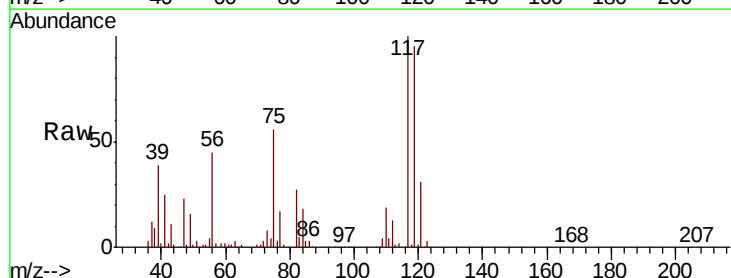
Manual Integrations
APPROVED

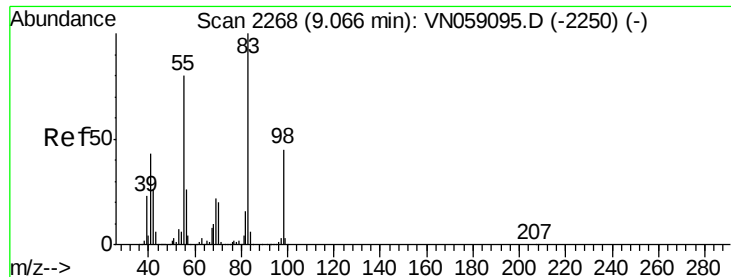
MMDadoda
11/14/2019 10:00:26 AM



#38
Carbon Tetrachloride
Concen: 49.515 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059216.D
Acq: 13 Nov 2019 17:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	75.6	113.4
121	30.8	24.6	36.8





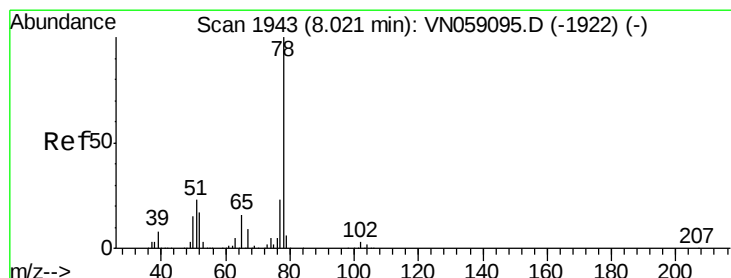
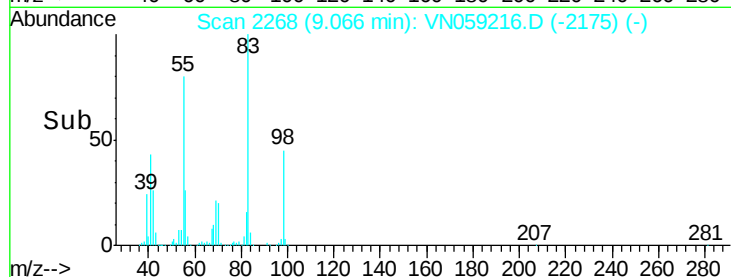
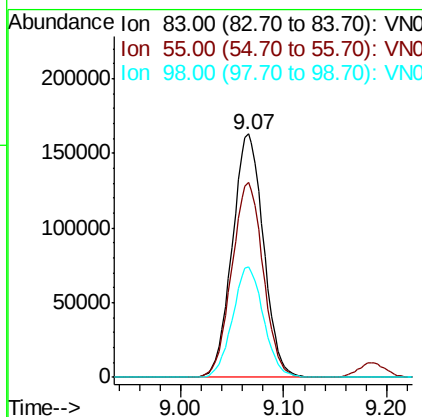
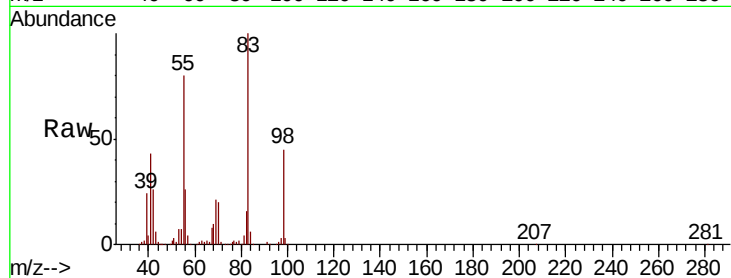
#39
Methvlcvclohexane
Concen: 48.695 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059216.D
Acq: 13 Nov 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.9	63.9	95.9
98	45.3	35.6	53.4

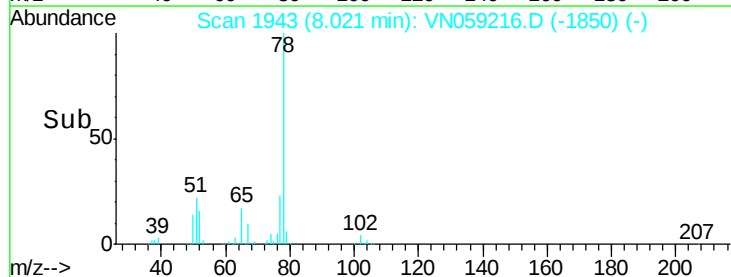
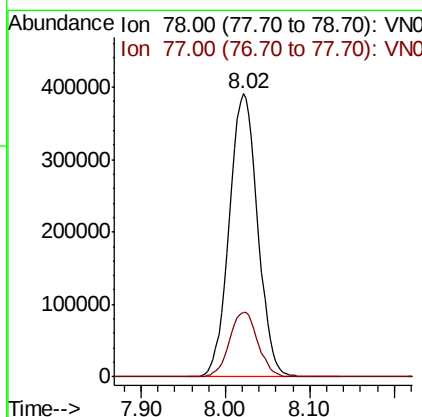
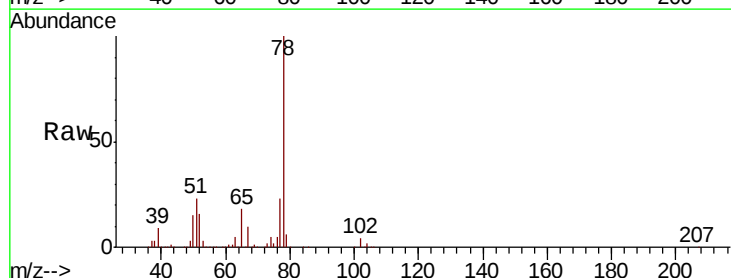
Manual Integrations
APPROVED

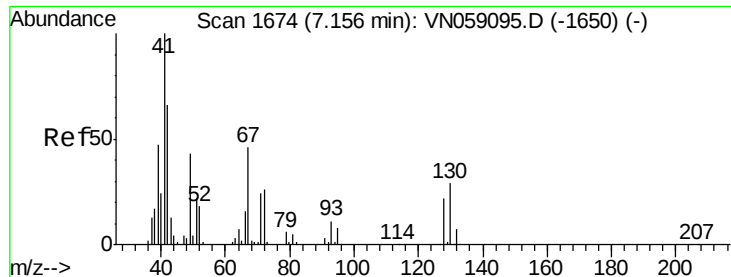
MMDadoda
11/14/2019 10:00:26 AM



#40
Benzene
Concen: 50.045 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059216.D
Acq: 13 Nov 2019 17:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.8	28.2





#41

Methacrylonitrile

Concen: 40.235 ug/l m

RT: 7.15 min Scan# 1671

Delta R.T. -0.01 min

Lab File: VN059216.D

Acq: 13 Nov 2019 17:49

Instrument :

MSVOA_N

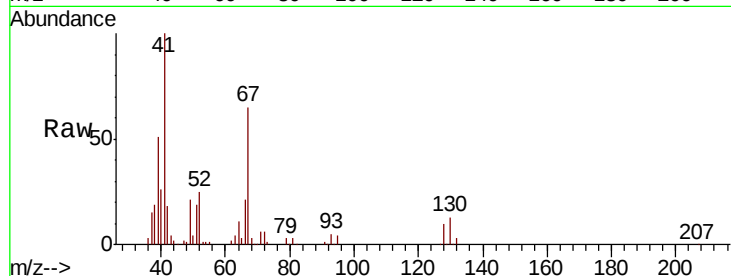
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
APPROVED

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11/14/2019 10:00:26 AM

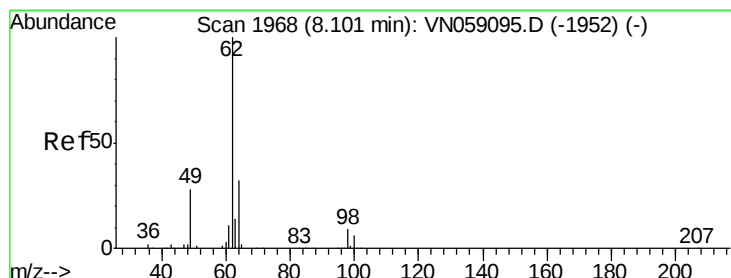
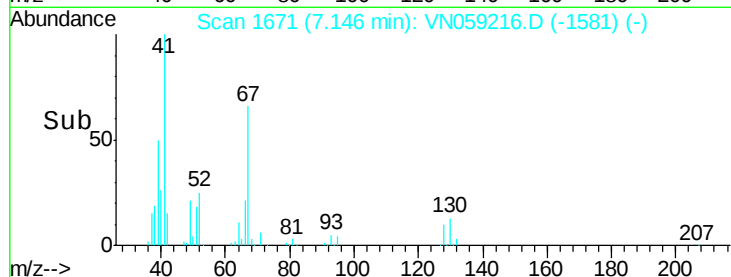
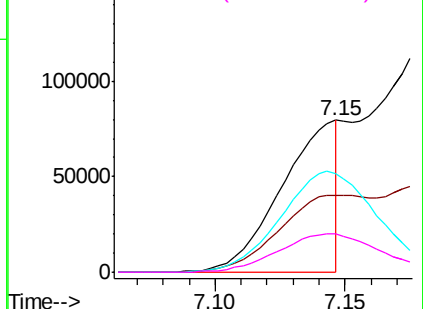


Abundance Ion 41.00 (40.70 to 41.70): VN059095.D (-1650) (-)

Ion 39.00 (38.70 to 39.70): VN059095.D (-1650) (-)

Ion 67.00 (66.70 to 67.70): VN059095.D (-1650) (-)

Ion 52.00 (51.70 to 52.70): VN059095.D (-1650) (-)



#42

1,2-Dichloroethane

Concen: 50.936 ug/l

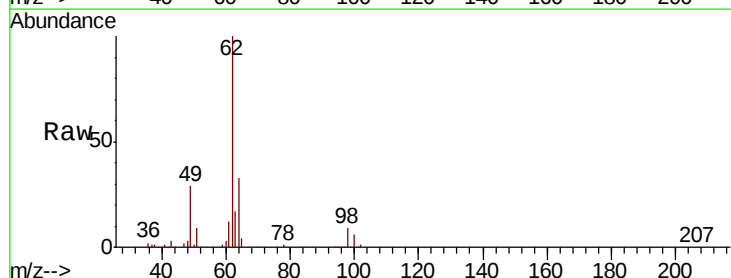
RT: 8.10 min Scan# 1969

Delta R.T. 0.00 min

Lab File: VN059216.D

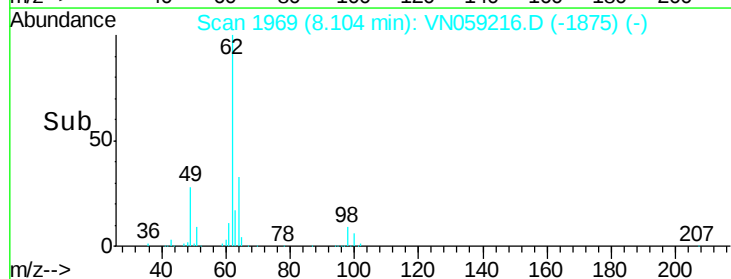
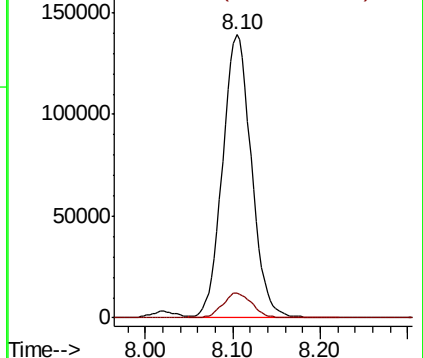
Acq: 13 Nov 2019 17:49

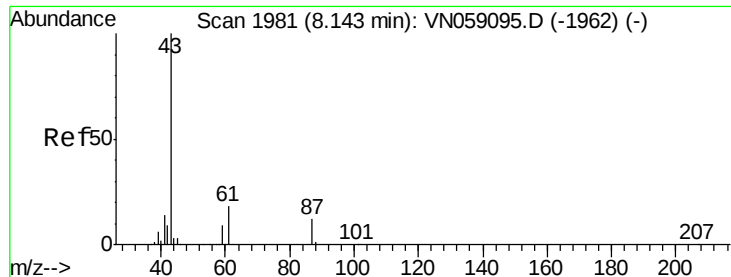
Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VN059095.D (-1952) (-)

Ion 97.90 (97.60 to 98.60): VN059095.D (-1952) (-)





#43

Isopropyl Acetate

Concen: 52.895 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059216.D

Acq: 13 Nov 2019 17:49

Instrument :

MSVOA_N

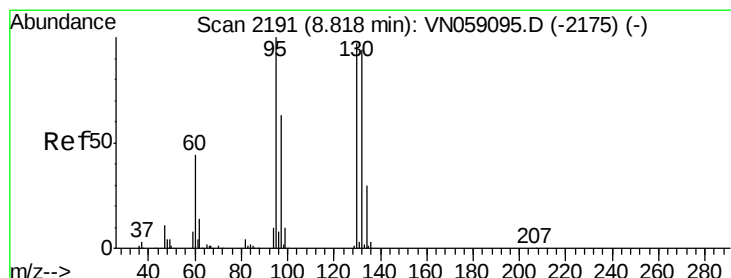
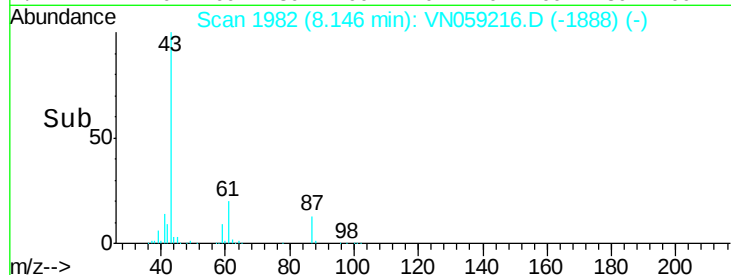
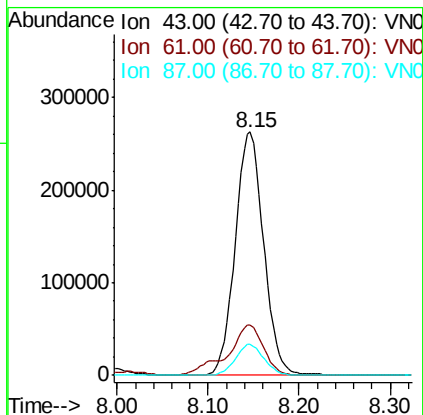
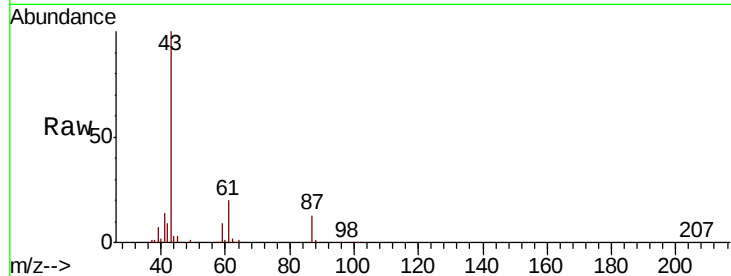
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	569607
Ion	Ratio	Lower	Upper
43	100		
61	26.1	21.0	31.6
87	12.7	9.8	14.6

Manual Integrations
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#44

Trichloroethene

Concen: 49.243 ug/l

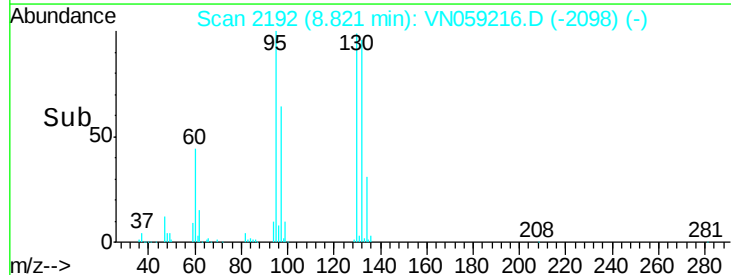
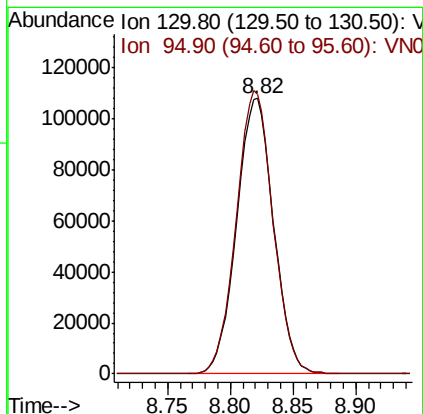
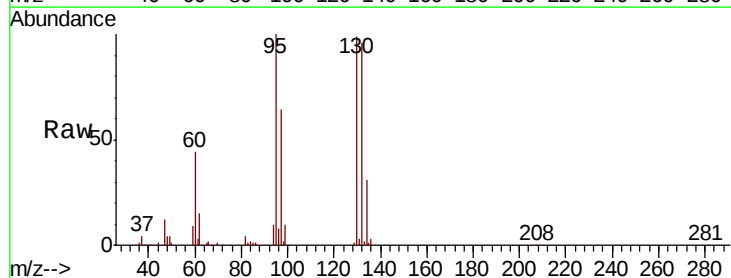
RT: 8.82 min Scan# 2192

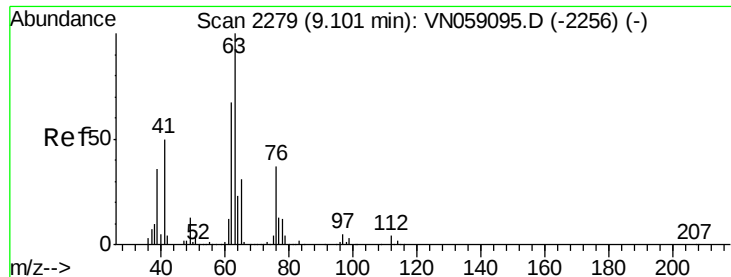
Delta R.T. 0.00 min

Lab File: VN059216.D

Acq: 13 Nov 2019 17:49

Tgt Ion:	130	Resp:	221327
Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	206.4





#45

1,2-Dichloropropane

Concen: 51.165 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059216.D

Acq: 13 Nov 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 254101

Ion Ratio Lower Upper

63 100

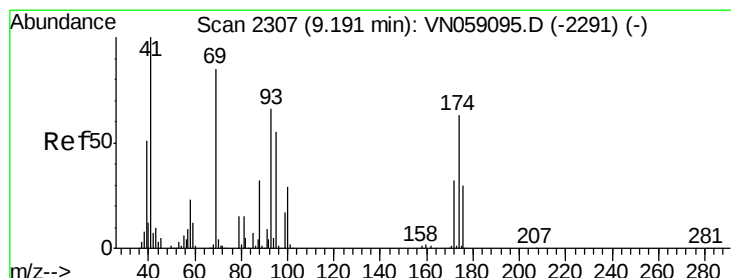
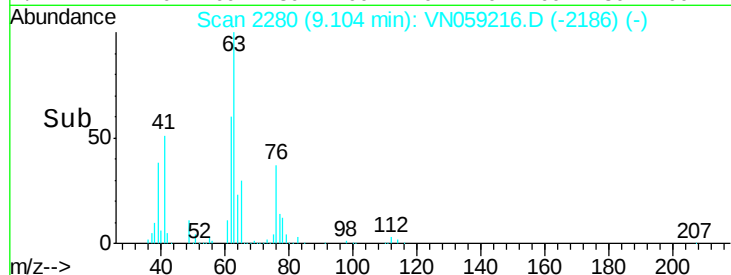
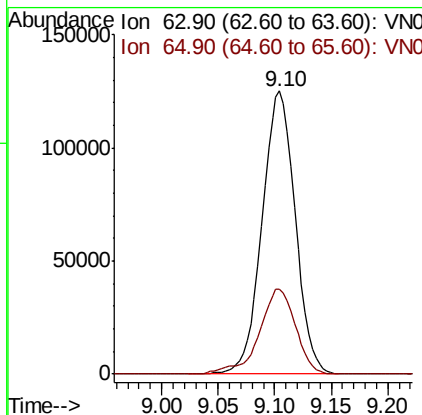
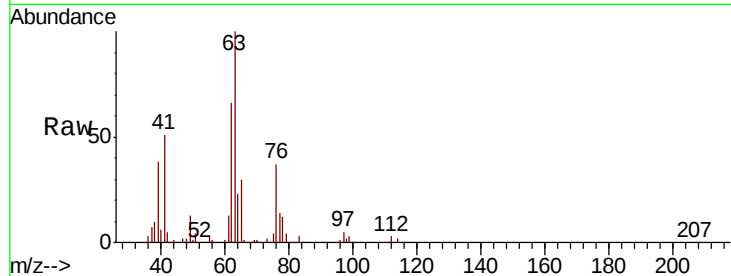
65 30.2 24.6 37.0

Manual Integrations

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11/14/2019 10:00:26 AM



#46

Dibromomethane

Concen: 50.134 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059216.D

Acq: 13 Nov 2019 17:49

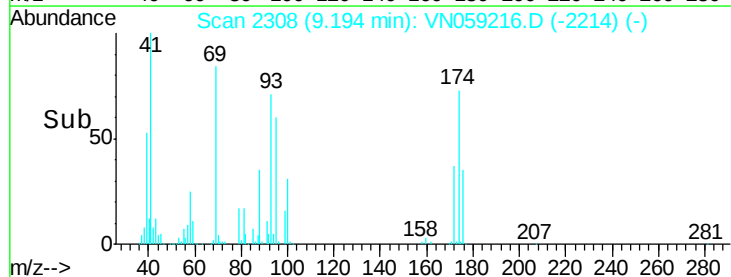
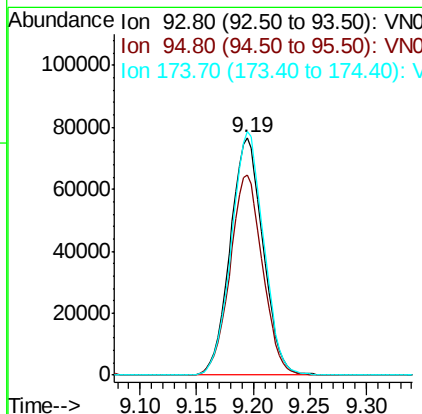
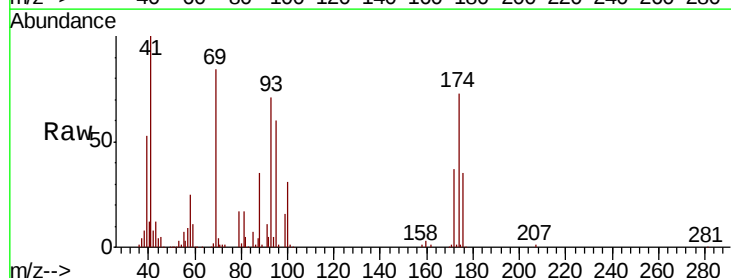
Tgt Ion: 93 Resp: 155152

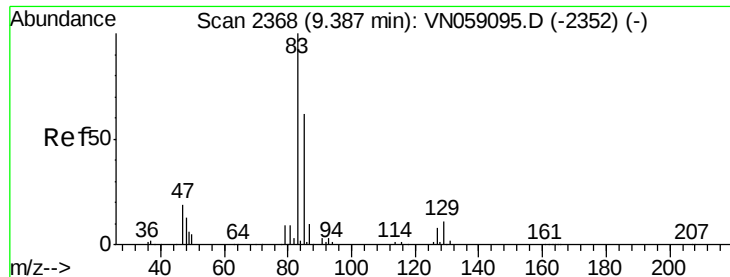
Ion Ratio Lower Upper

93 100

95 83.6 66.6 100.0

174 100.7 78.2 117.2





#47

Bromodichloromethane

Concen: 51.889 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059216.D

Acq: 13 Nov 2019 17:49

Instrument :

MSVOA_N

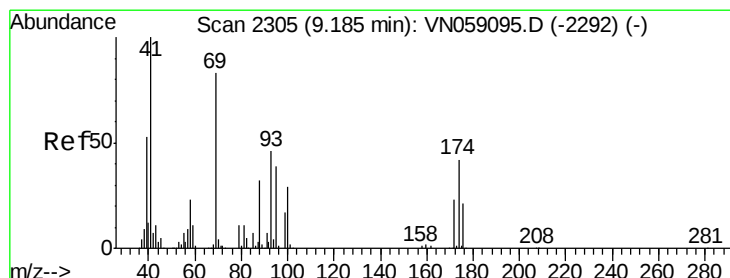
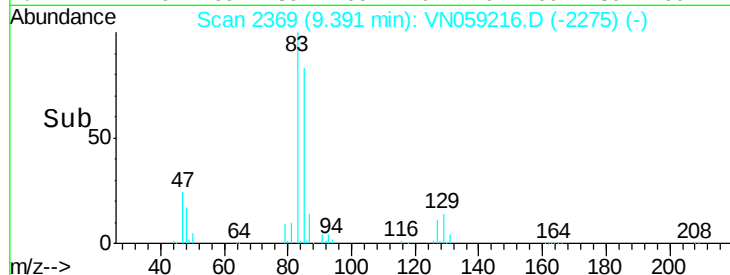
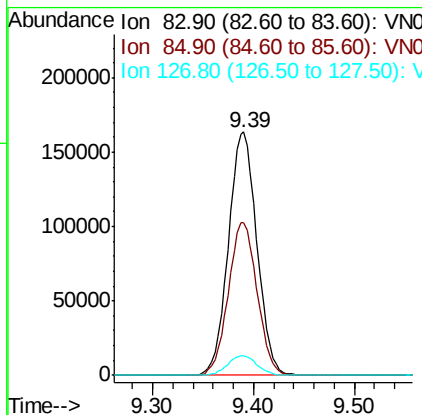
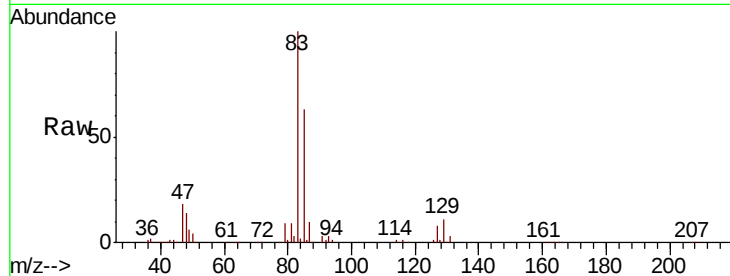
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	320660
Ion	Ratio	Lower	Upper
83	100		
85	62.8	49.7	74.5
127	8.0	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 54.109 ug/l

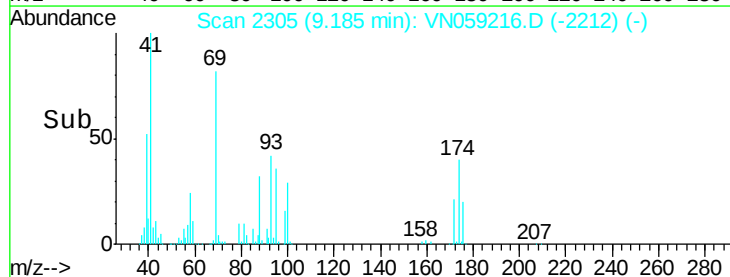
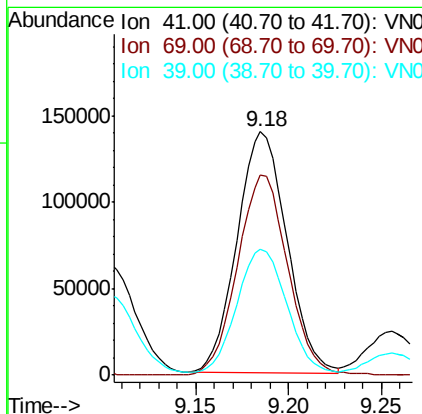
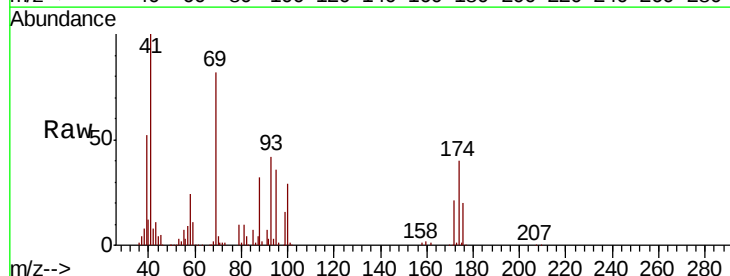
RT: 9.18 min Scan# 2305

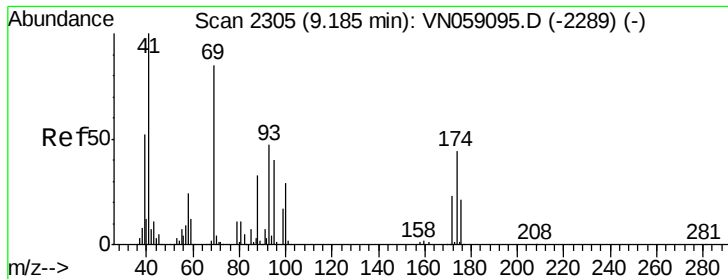
Delta R.T. -0.00 min

Lab File: VN059216.D

Acq: 13 Nov 2019 17:49

Tgt Ion:	41	Resp:	260630
Ion	Ratio	Lower	Upper
41	100		
69	84.3	67.3	100.9
39	53.1	43.3	64.9





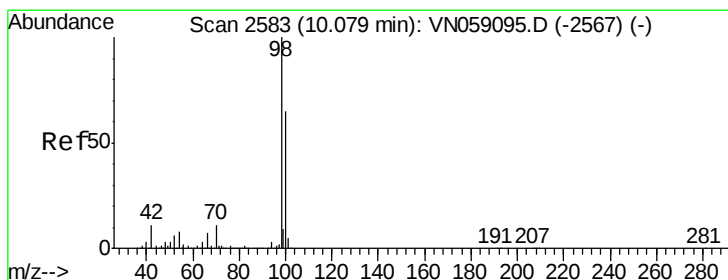
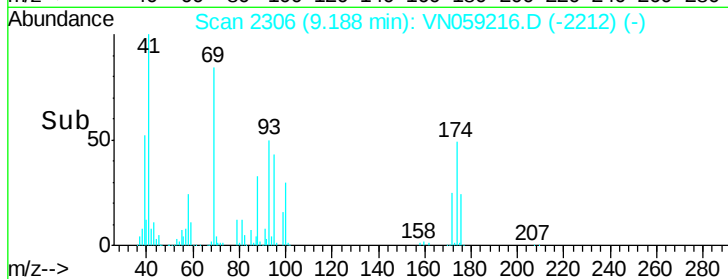
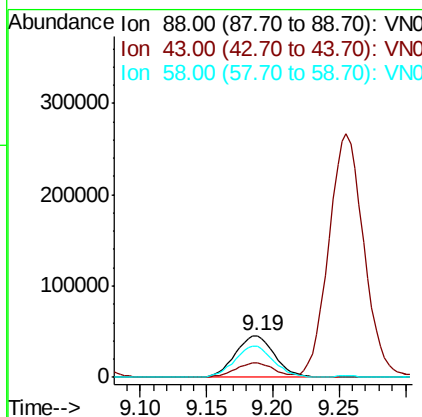
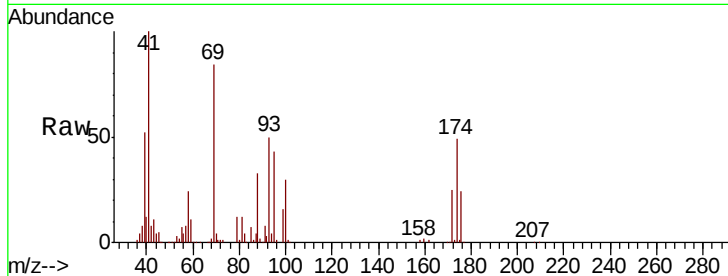
#49
1,4-Dioxane
Concen: 1103.308 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059216.D
Acq: 13 Nov 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.0	26.3	39.5
58	73.4	60.6	90.8

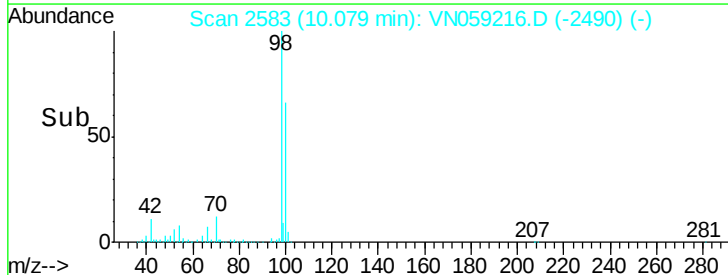
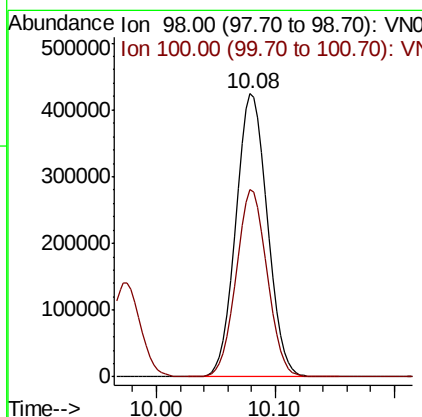
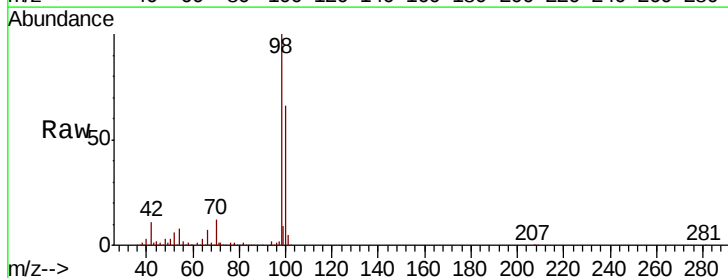
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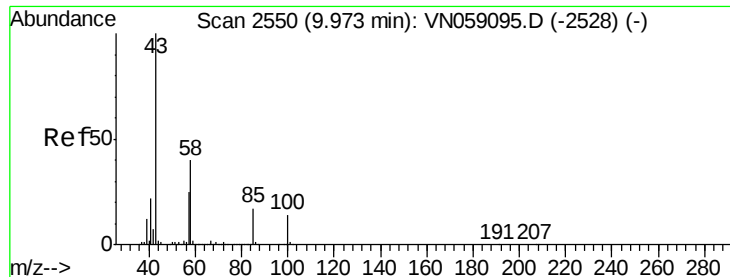
MMDadoda
11/14/2019 10:00:26 AM



#50
Toluene-d8
Concen: 51.007 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059216.D
Acq: 13 Nov 2019 17:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 304.008 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059216.D

Acq: 13 Nov 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1852377

Ion Ratio Lower Upper

43 100

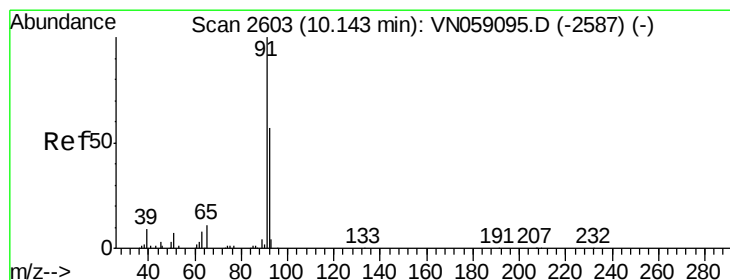
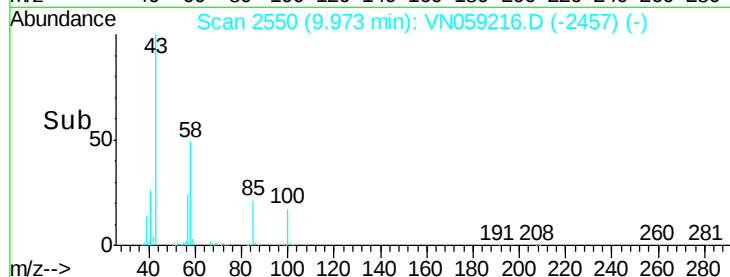
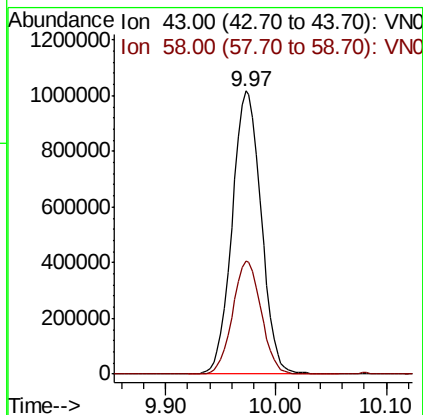
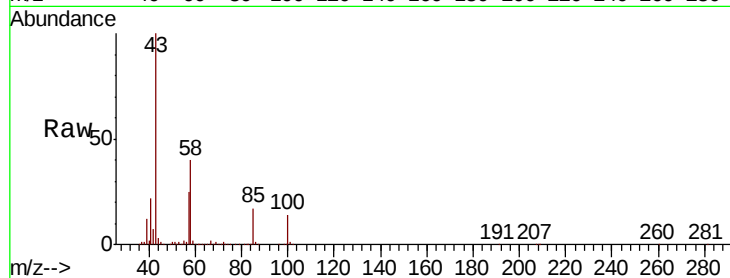
58 39.4 31.5 47.3

Manual Integrations

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#52

Toluene

Concen: 51.298 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN059216.D

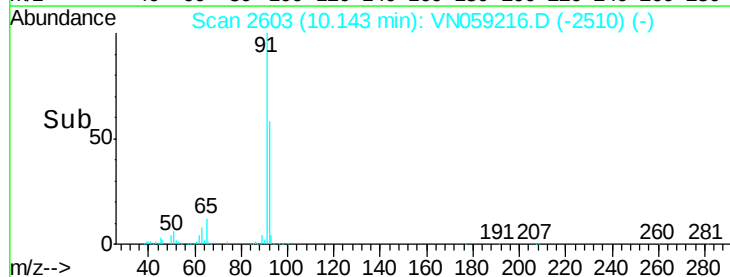
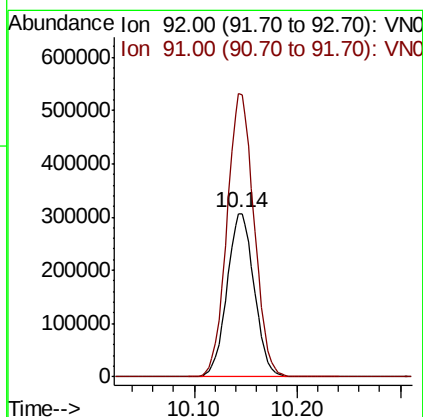
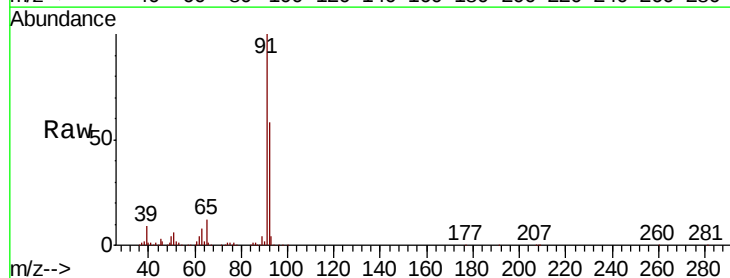
Acq: 13 Nov 2019 17:49

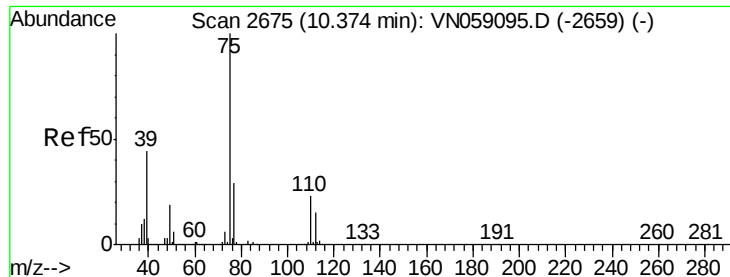
Tgt Ion: 92 Resp: 562178

Ion Ratio Lower Upper

92 100

91 172.9 139.5 209.3





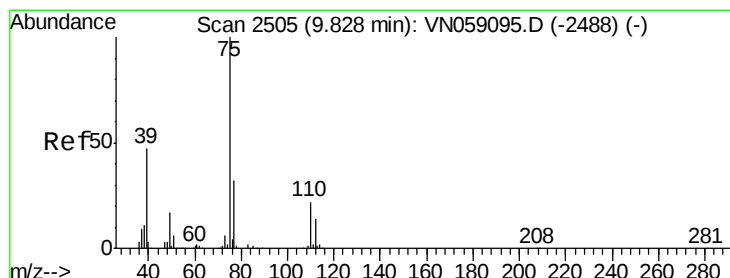
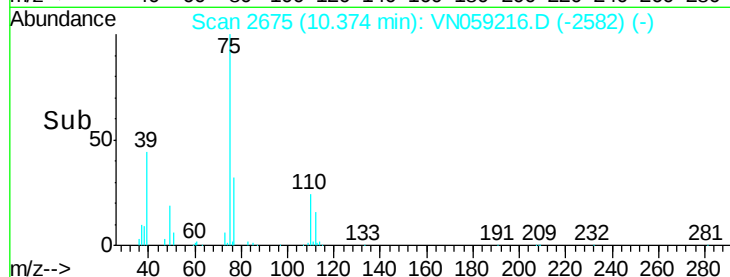
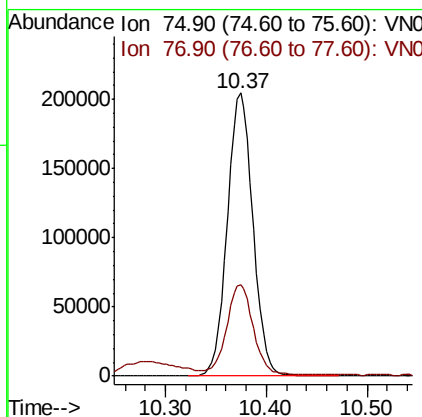
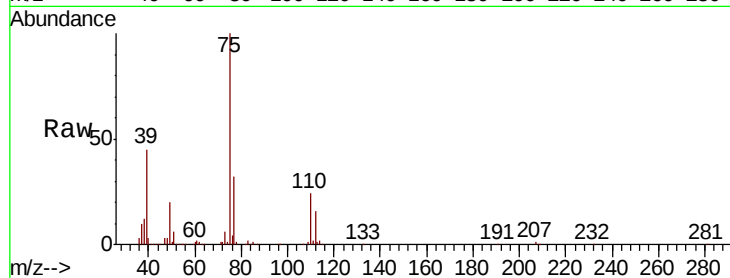
#53
t-1,3-Dichloropropene
Concen: 50.564 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. -0.00 min
Lab File: VN059216.D
Acq: 13 Nov 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.3	37.9

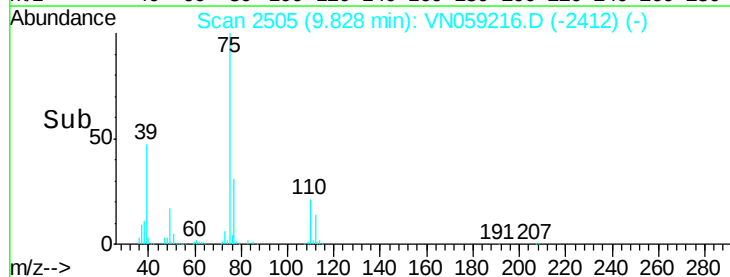
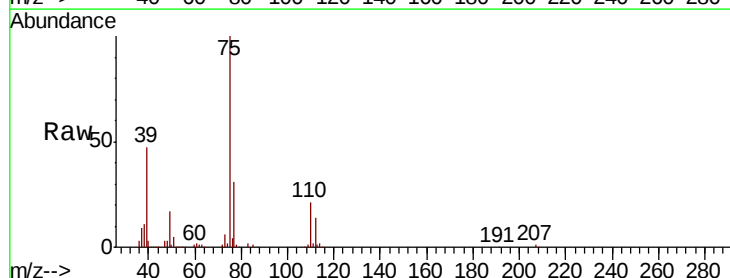
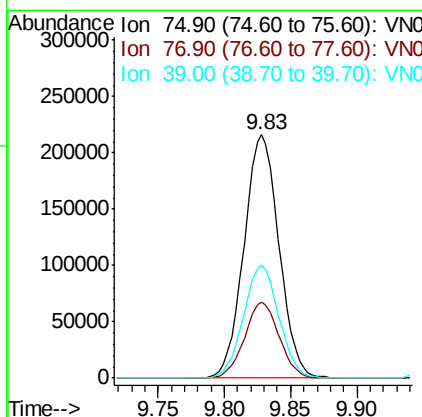
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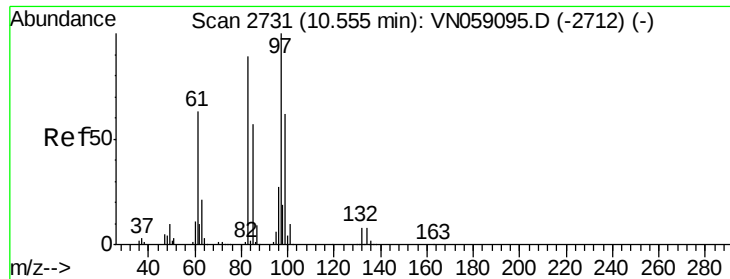
MMDadoda
11/14/2019 10:00:26 AM



#54
cis-1,3-Dichloropropene
Concen: 51.601 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. 0.00 min
Lab File: VN059216.D
Acq: 13 Nov 2019 17:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.5	38.3
39	46.6	37.3	55.9





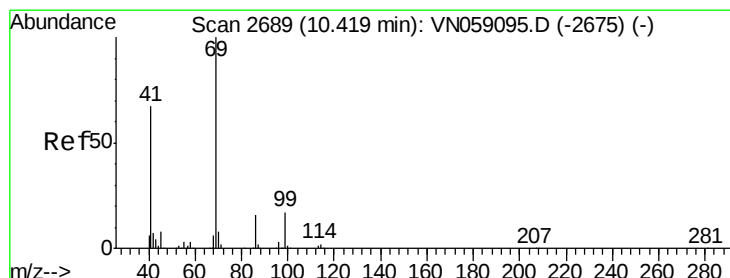
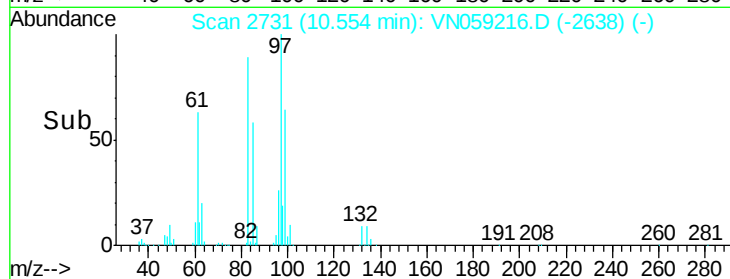
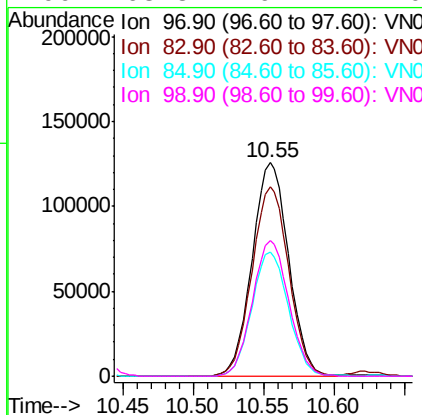
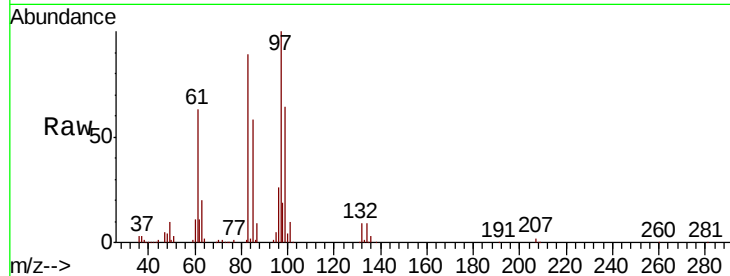
#55
 1,1,2-Trichloroethane
 Concen: 51.512 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059216.D
 Acq: 13 Nov 2019 17:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	228467
Ion	Ratio	Lower	Upper
97	100		
83	88.6	71.0	106.4
85	57.9	45.8	68.8
99	63.8	49.4	74.0

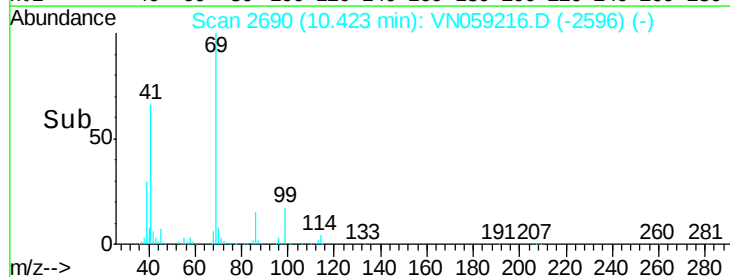
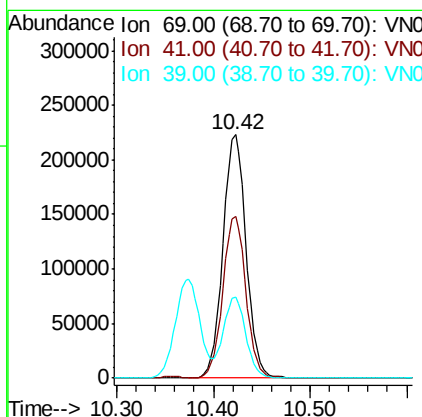
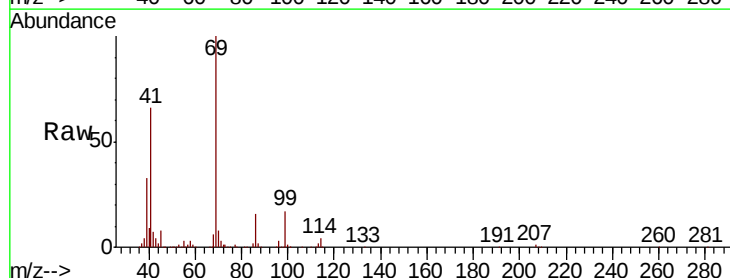
Manual Integrations
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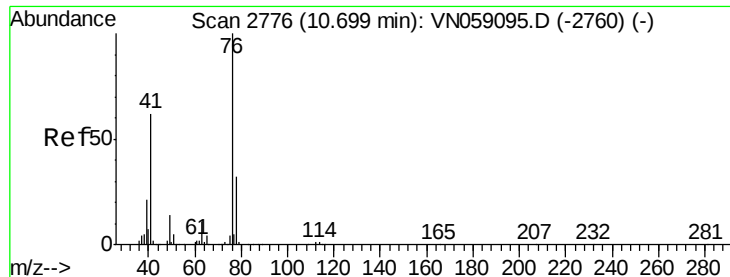
MMDadoda
 11/14/2019 10:00:26 AM



#56
 Ethyl methacrylate
 Concen: 50.237 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059216.D
 Acq: 13 Nov 2019 17:49

Tgt Ion:	69	Resp:	371692
Ion	Ratio	Lower	Upper
69	100		
41	65.6	53.6	80.4
39	31.8	26.2	39.4





#57

1,3-Dichloropropane

Concen: 51.853 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN059216.D

Acq: 13 Nov 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 395821

Ion Ratio Lower Upper

76 100

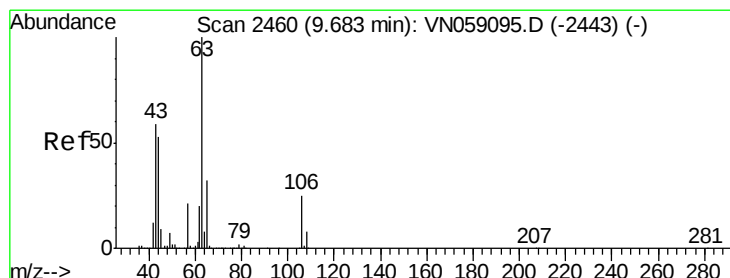
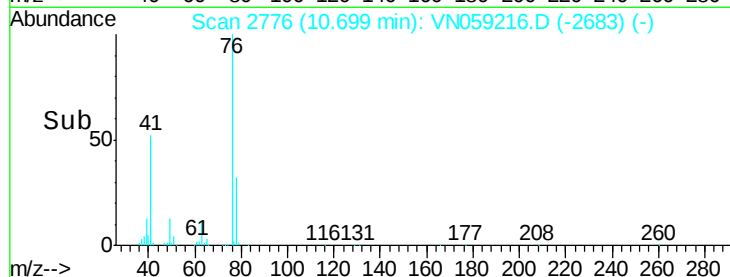
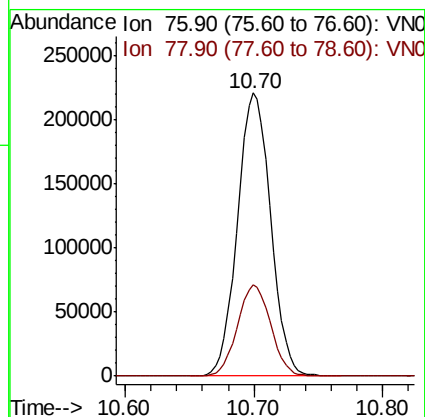
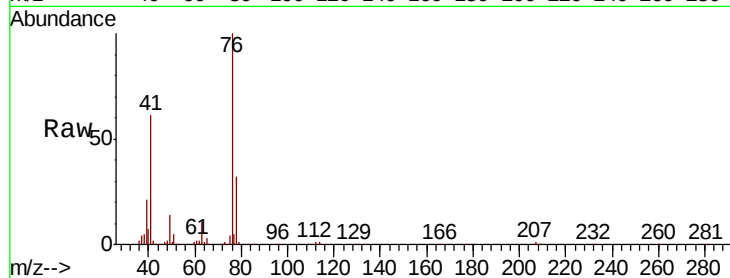
78 32.4 25.8 38.8

Manual Integrations

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MMDadoda

11/14/2019 10:00:26 AM



#58

2-Chloroethyl Vinyl ether

Concen: 281.495 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059216.D

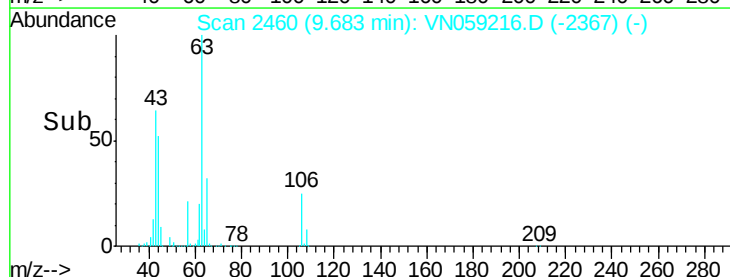
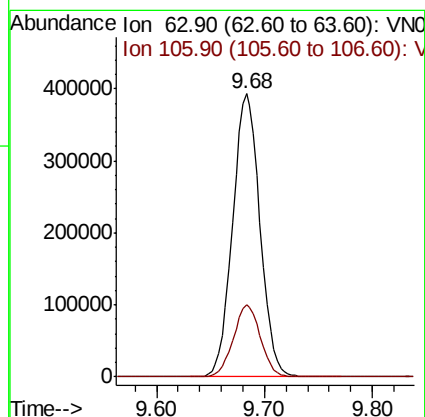
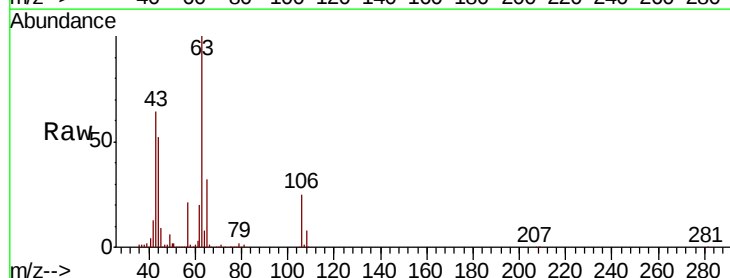
Acq: 13 Nov 2019 17:49

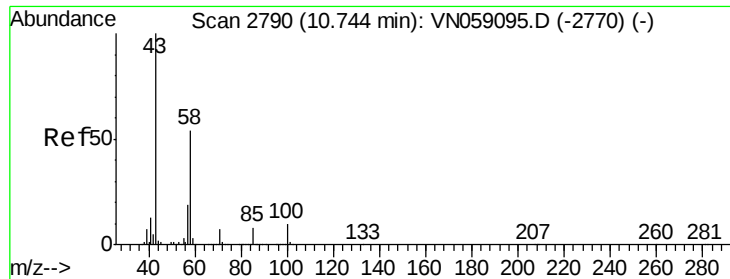
Tgt Ion: 63 Resp: 694821

Ion Ratio Lower Upper

63 100

106 25.3 20.2 30.2





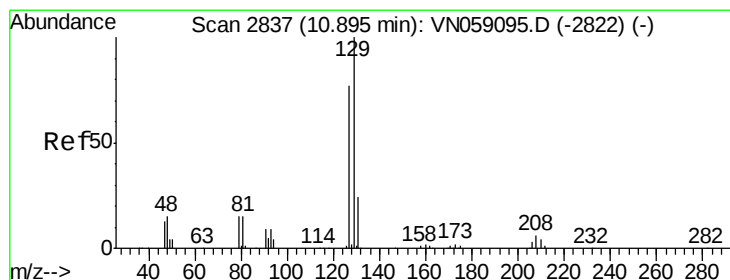
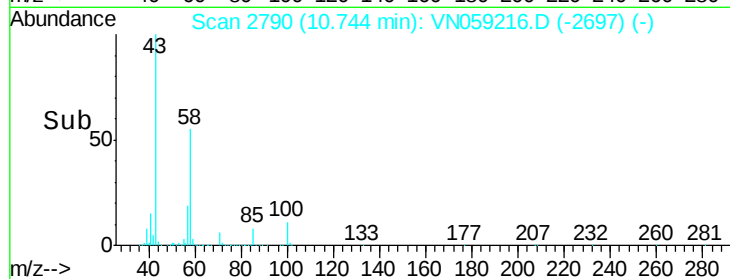
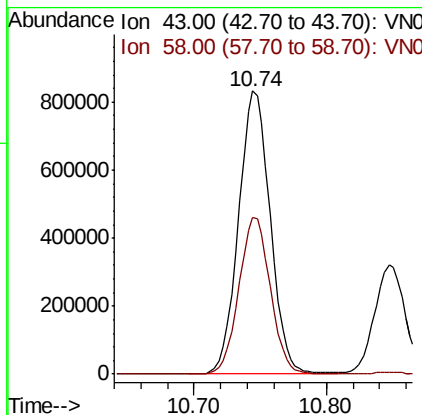
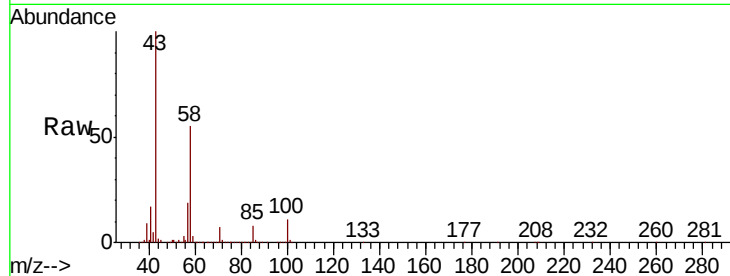
#59
2-Hexanone
Concen: 295.946 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059216.D
Acq: 13 Nov 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1384082
Ion Ratio Lower Upper
43 100
58 55.0 27.3 81.8

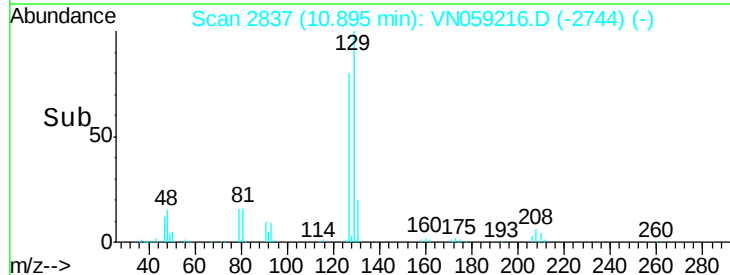
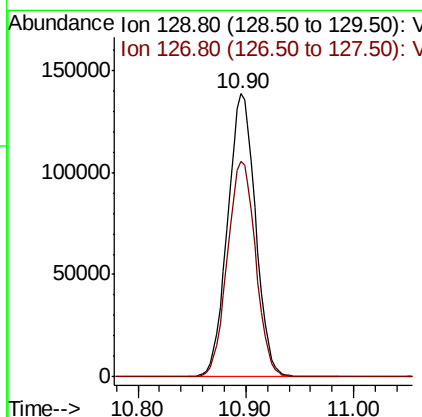
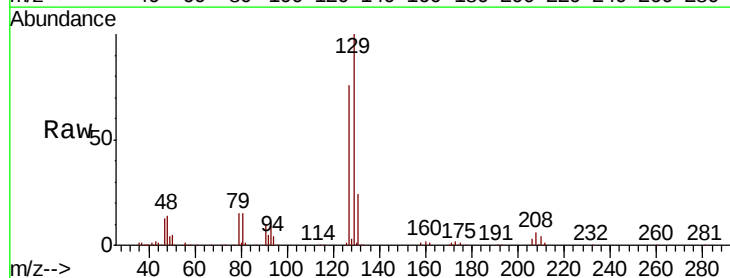
Manual Integrations
APPROVED

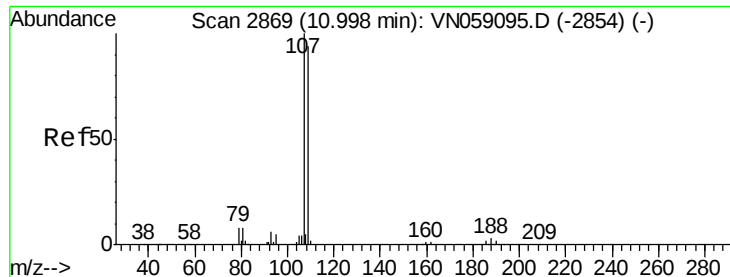
MMDadoda
11/14/2019 10:00:26 AM



#60
Dibromochloromethane
Concen: 53.212 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059216.D
Acq: 13 Nov 2019 17:49

Tgt Ion: 129 Resp: 249528
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.8





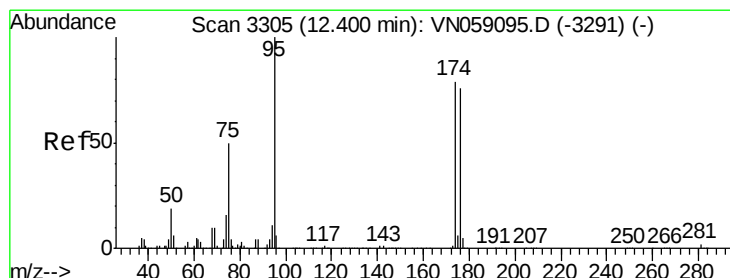
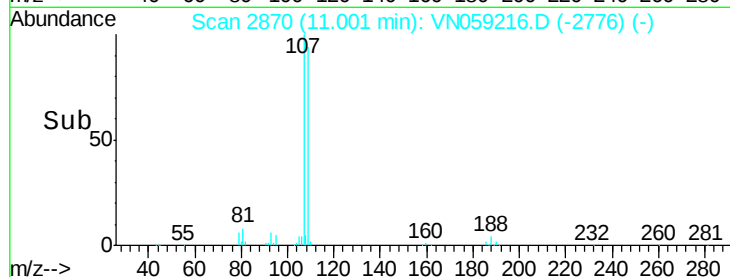
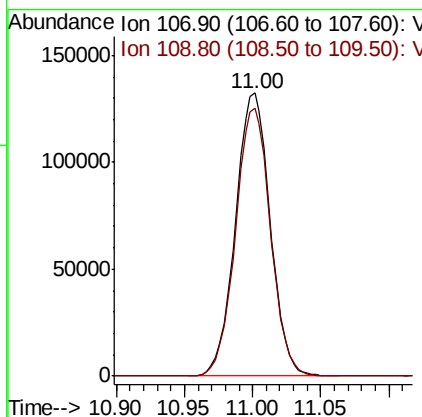
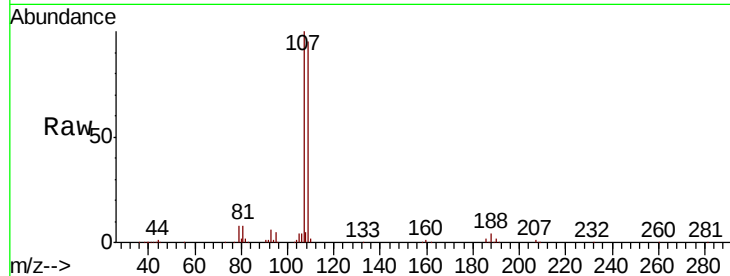
#61
 1,2-Dibromoethane
 Concen: 52.105 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059216.D
 Acq: 13 Nov 2019 17:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	233945		
109	95.4	75.5	113.3	

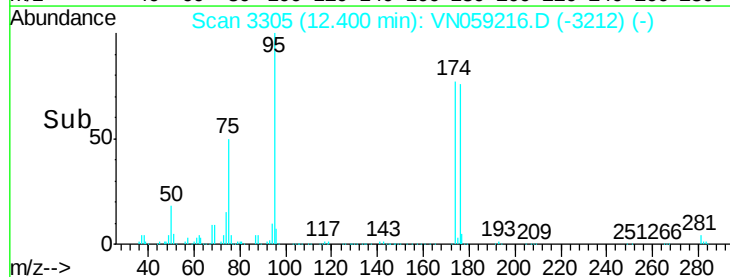
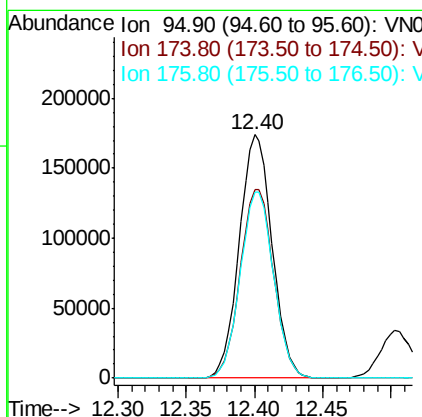
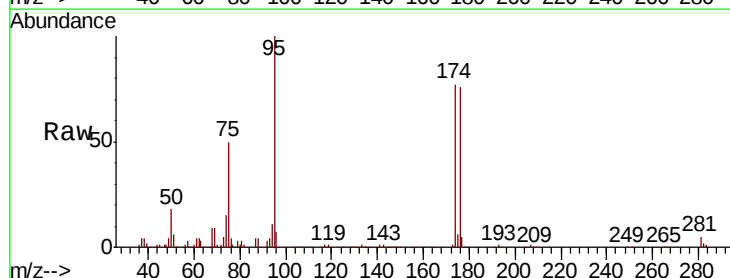
Manual Integrations
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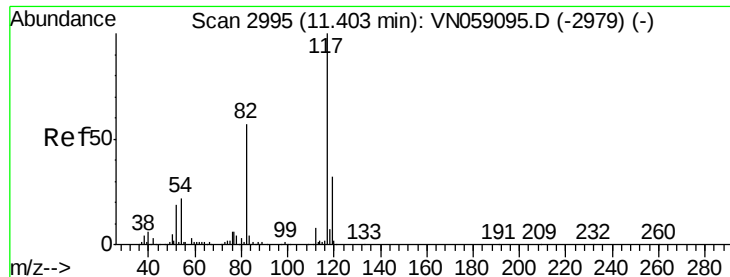
MMDadoda
 11/14/2019 10:00:26 AM



#62
 4-Bromofluorobenzene
 Concen: 52.867 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059216.D
 Acq: 13 Nov 2019 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	291224		
174	79.1	0.0	158.2	
176	77.6	0.0	151.8	





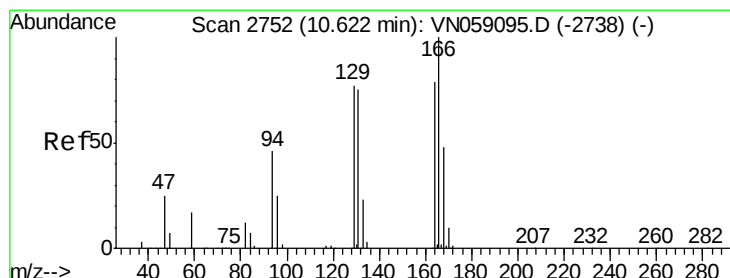
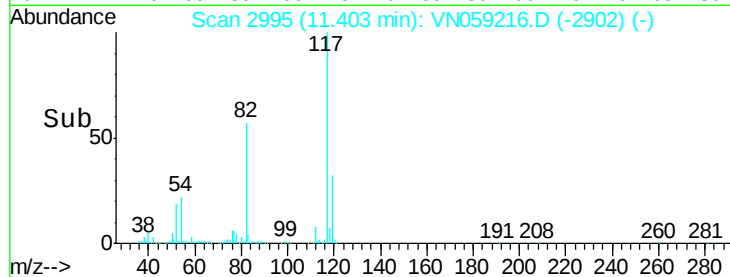
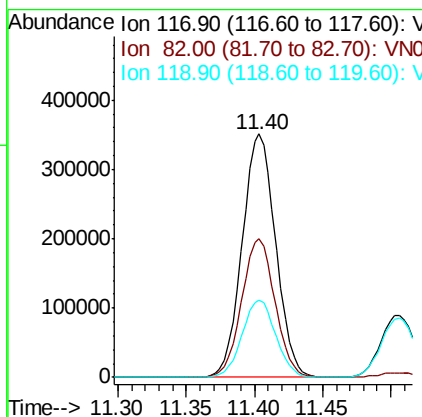
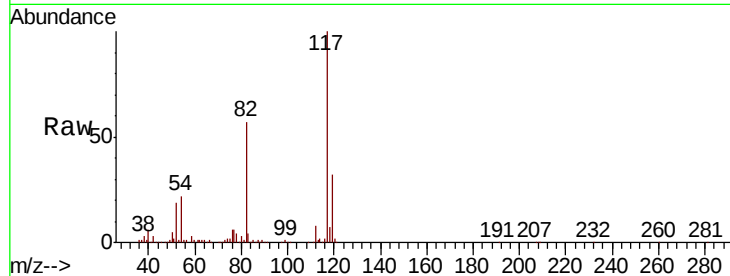
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059216.D
Acq: 13 Nov 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.0	45.8	68.8
119	32.0	25.8	38.6

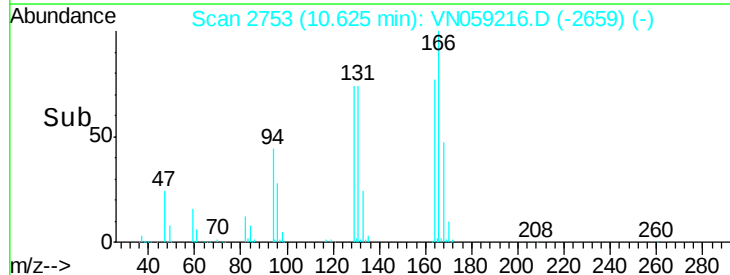
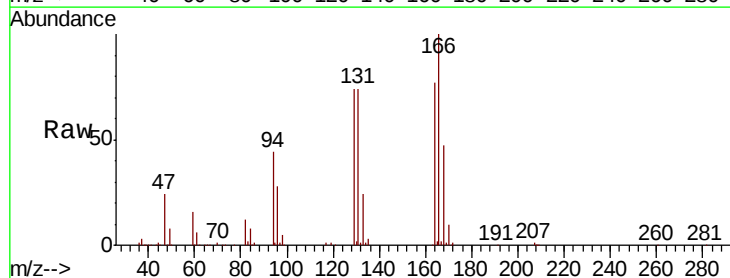
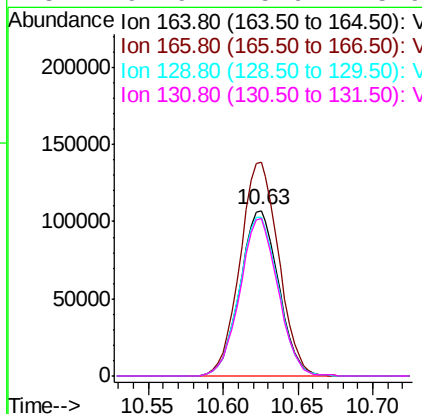
Manual Integrations
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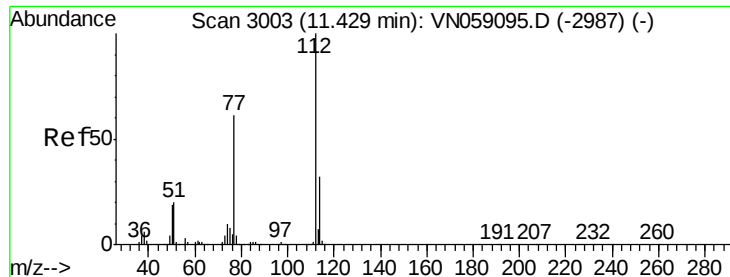
MMDadoda
11/14/2019 10:00:26 AM



#64
Tetrachloroethene
Concen: 47.247 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059216.D
Acq: 13 Nov 2019 17:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	101.5	152.3
129	96.0	78.3	117.5
131	94.9	75.9	113.9





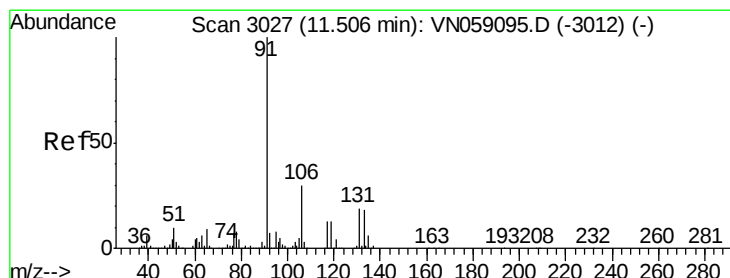
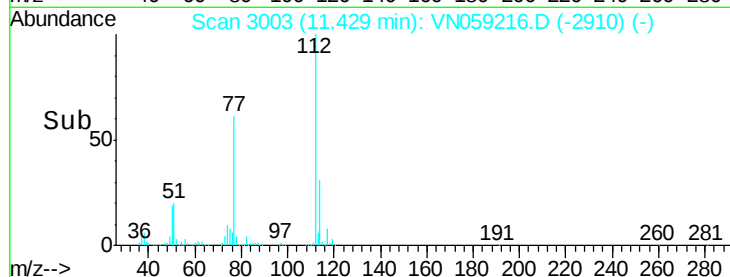
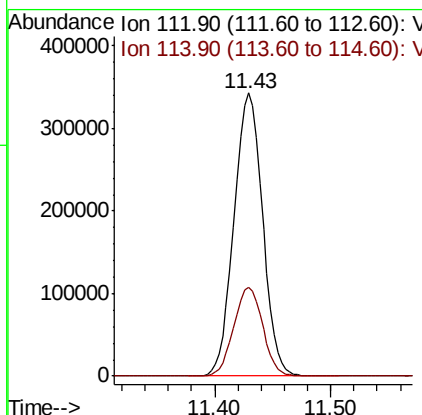
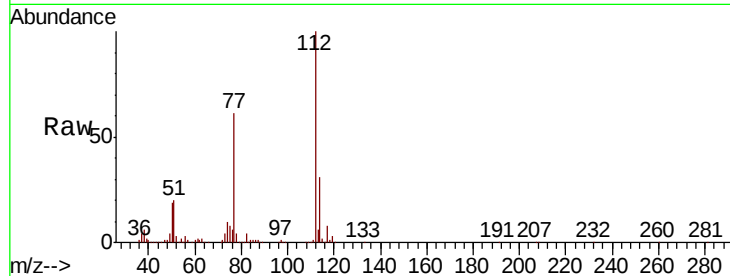
#65
Chlorobenzene
Concen: 50.317 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059216.D
Acq: 13 Nov 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.2	37.8

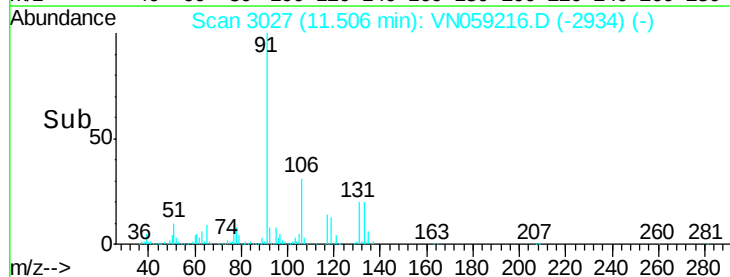
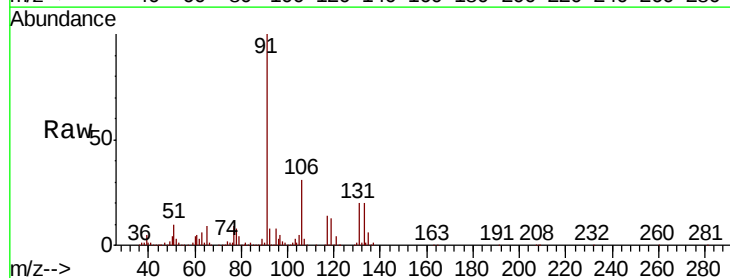
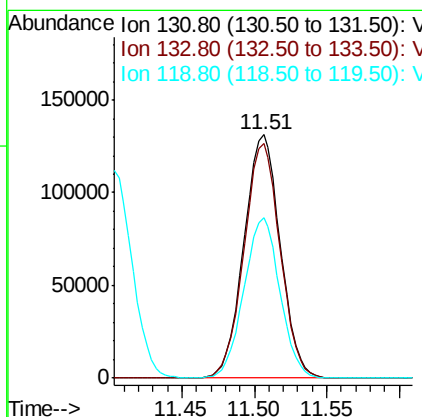
Manual Integrations
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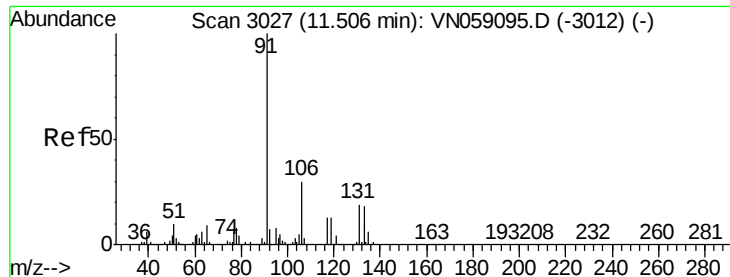
MMDadoda
11/14/2019 10:00:26 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.399 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059216.D
Acq: 13 Nov 2019 17:49

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	47.4	142.3
119	65.2	33.2	99.6





#67

Ethyl Benzene

Concen: 52.014 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059216.D

Acq: 13 Nov 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1076553

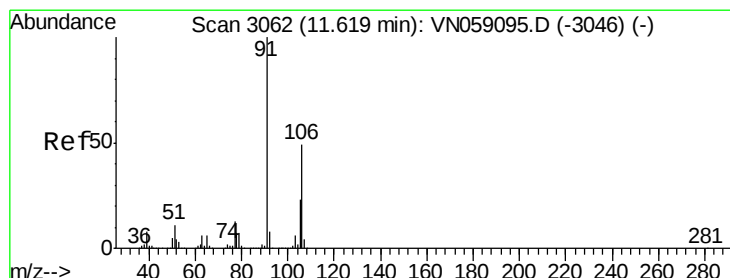
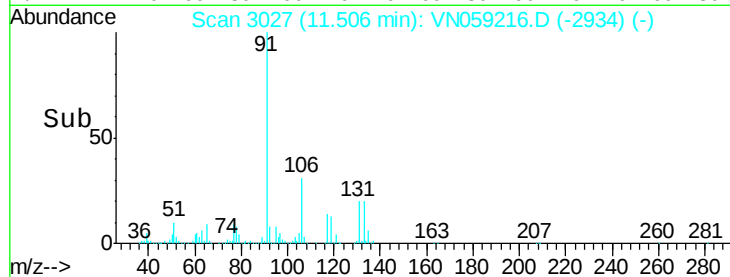
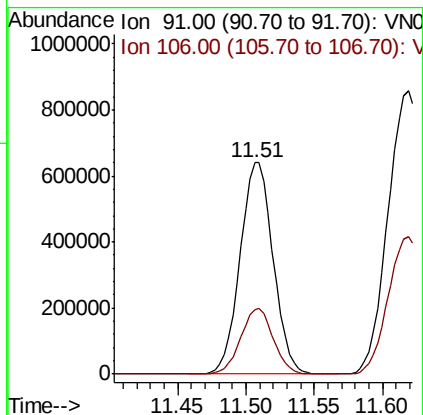
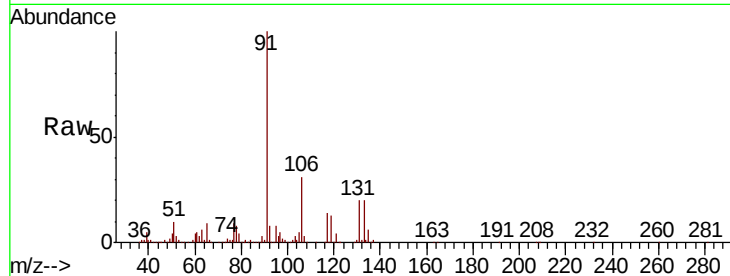
Ion Ratio Lower Upper

91 100

106 30.8 24.1 36.1

Manual Integrations
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#68

m/p-Xylenes

Concen: 103.925 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059216.D

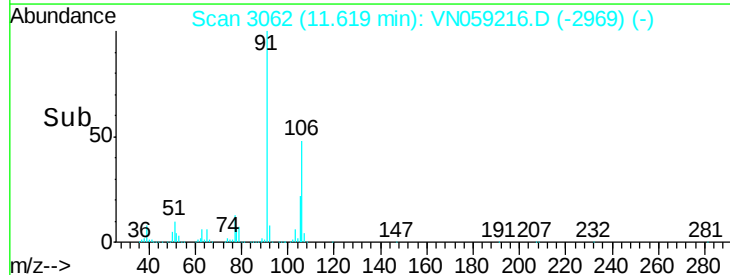
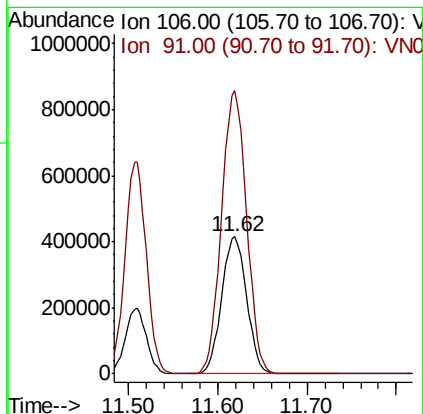
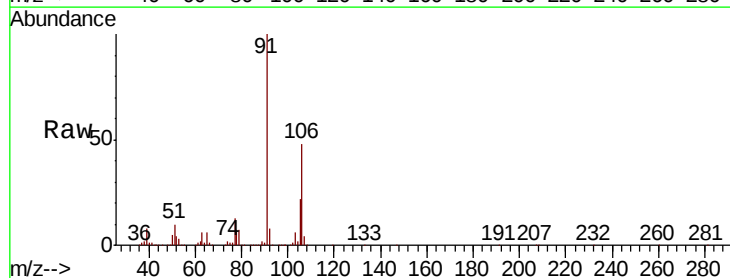
Acq: 13 Nov 2019 17:49

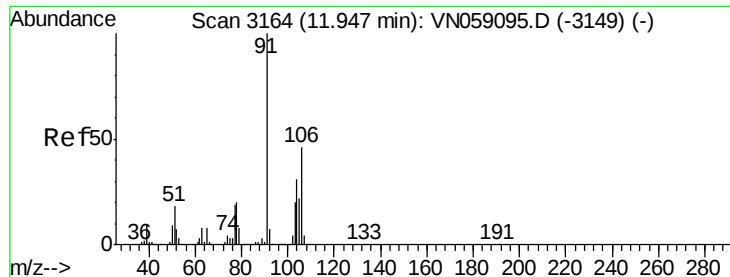
Tgt Ion: 106 Resp: 805725

Ion Ratio Lower Upper

106 100

91 206.5 164.7 247.1





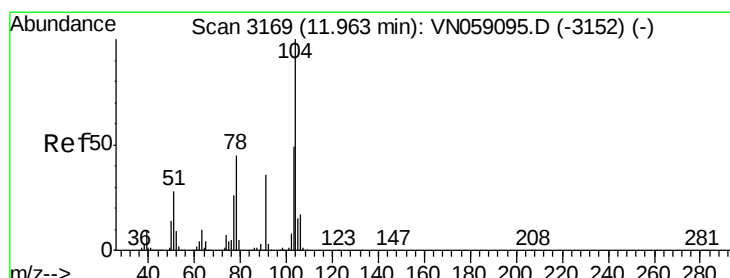
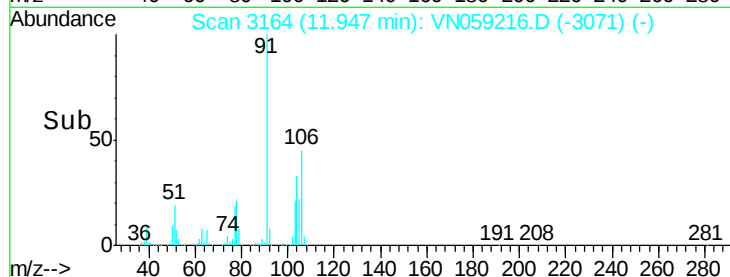
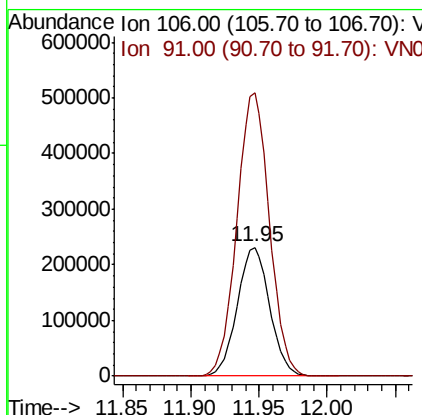
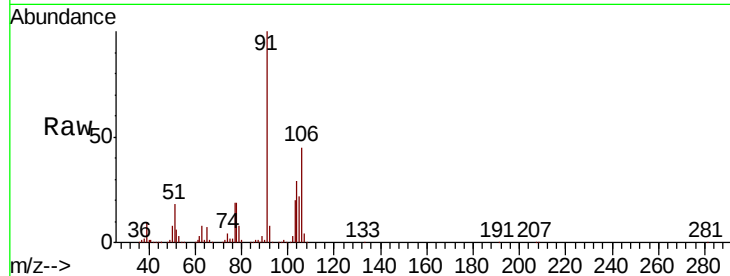
#69
o-Xylene
Concen: 50.821 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059216.D
Acq: 13 Nov 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	380775		
91	91	221.2	110.1	330.3	

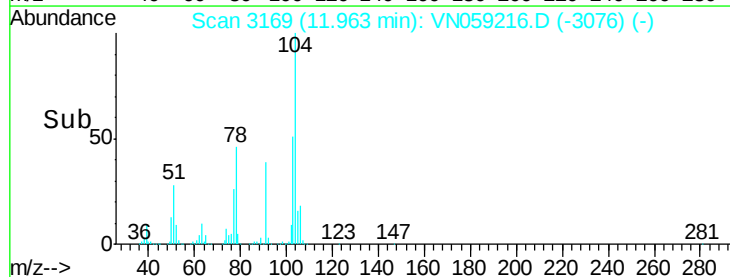
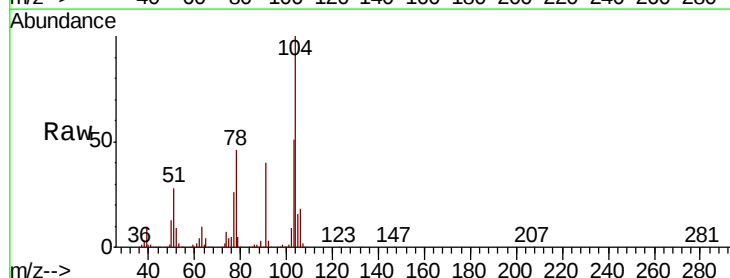
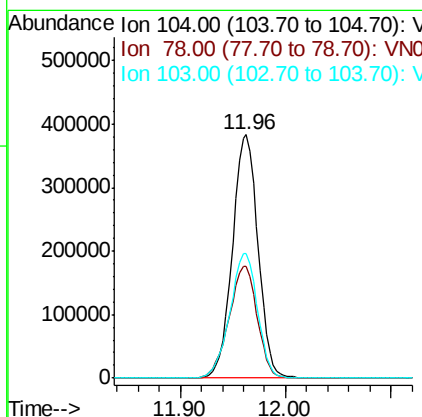
Manual Integrations
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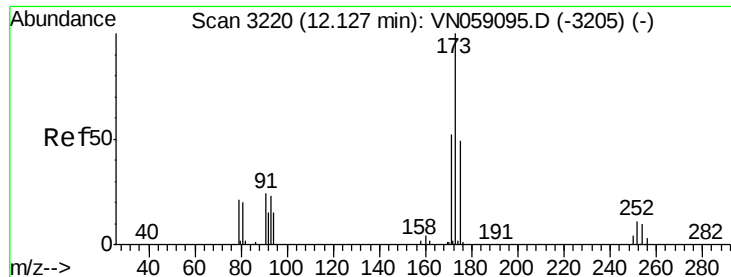
MMDadoda
11/14/2019 10:00:26 AM



#70
Styrene
Concen: 54.585 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059216.D
Acq: 13 Nov 2019 17:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	643210		
78	78	50.8	41.2	61.8	
103	103	55.5	43.8	65.6	





#71

Bromoform

Concen: 54.841 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059216.D

Acq: 13 Nov 2019 17:49

Instrument :

MSVOA_N

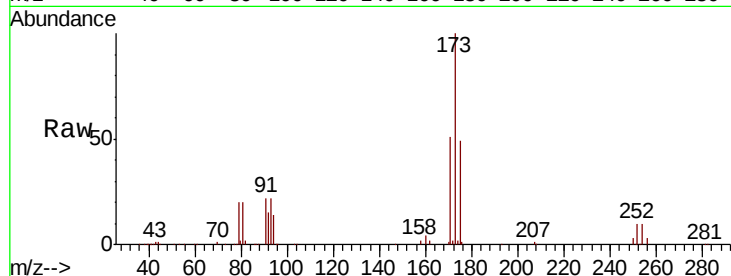
ClientSampleId :

VSTDCCC050EC

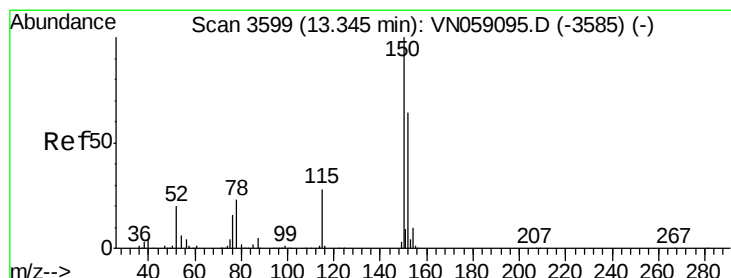
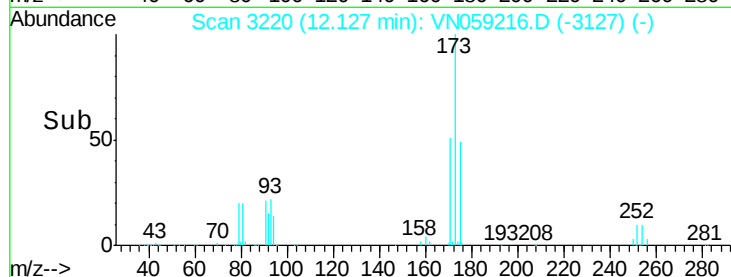
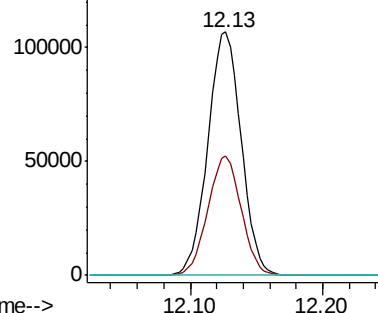
Tot Ion:	173	Resp:	186670
Ion Ratio	Lower	Upper	
173	100		
175	49.0	24.2	72.6
254	0.1	0.1	0.1#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

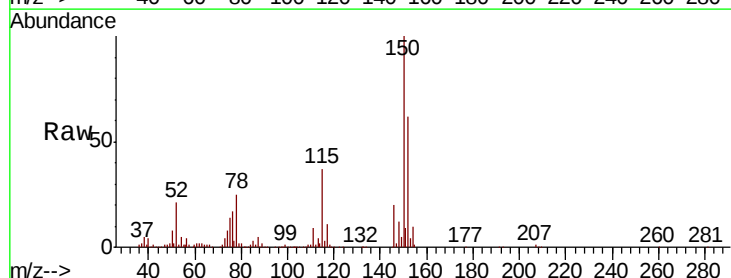
RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

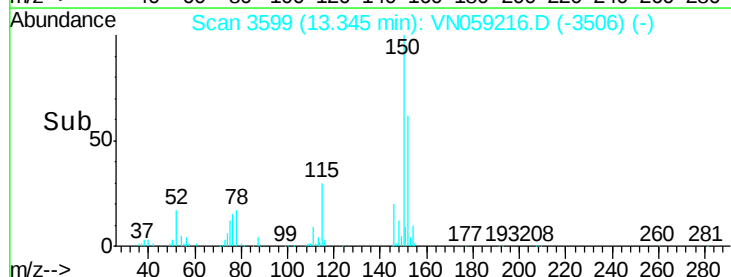
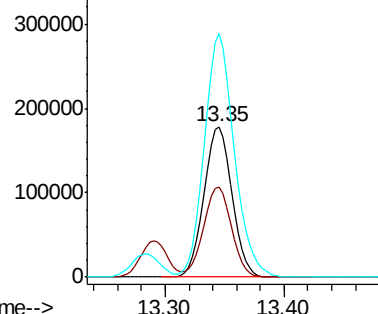
Lab File: VN059216.D

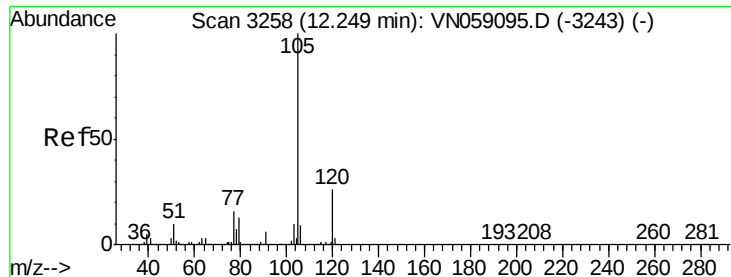
Acq: 13 Nov 2019 17:49

Tgt Ion:	152	Resp:	290925
Ion Ratio	Lower	Upper	
152	100		
115	60.1	29.4	88.2
150	172.4	0.0	345.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.972 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059216.D

Acq: 13 Nov 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1057508

Ion Ratio Lower Upper

105 100

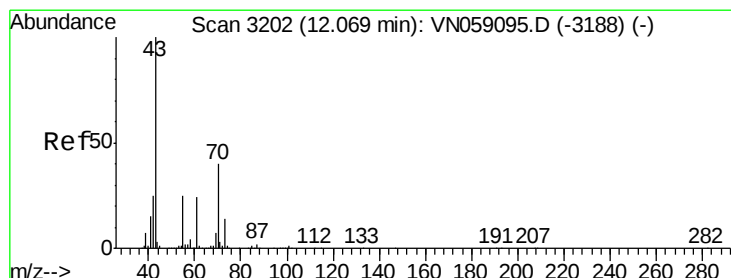
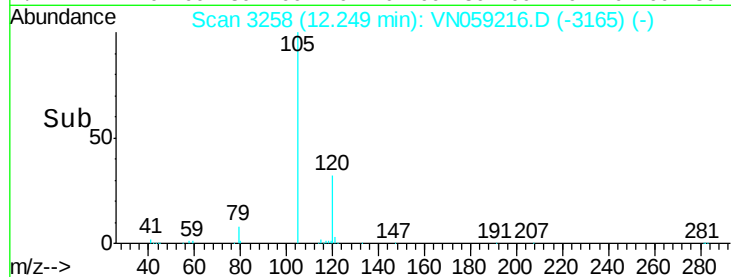
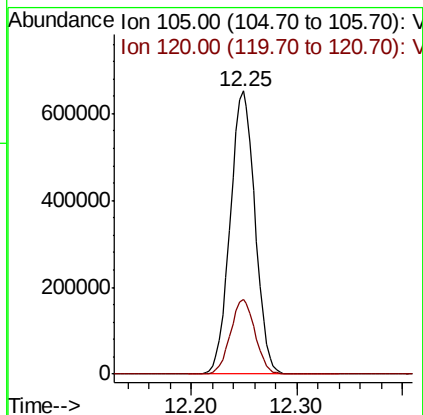
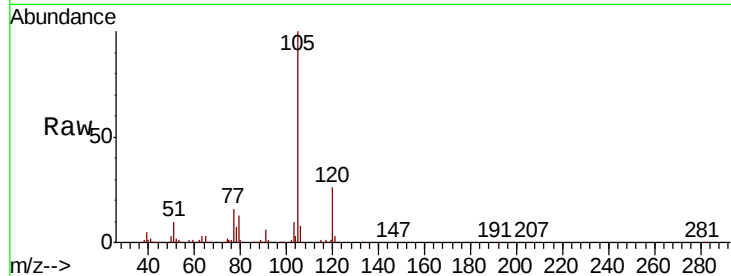
120 26.2 13.1 39.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 53.656 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059216.D

Acq: 13 Nov 2019 17:49

Tgt Ion: 43 Resp: 481137

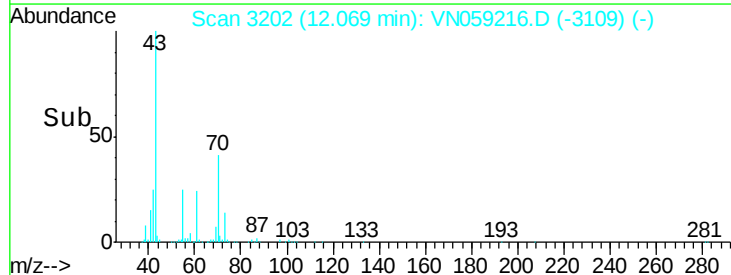
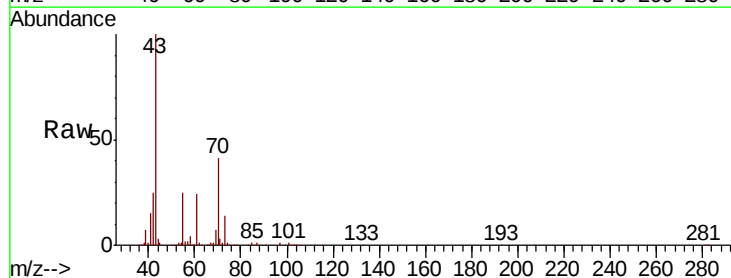
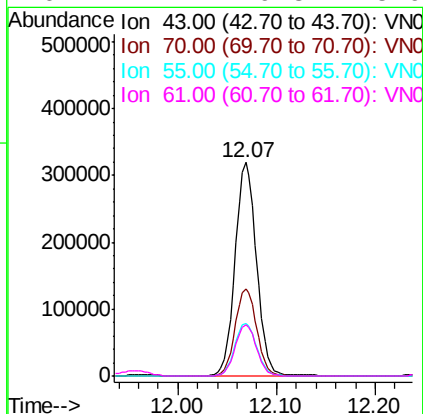
Ion Ratio Lower Upper

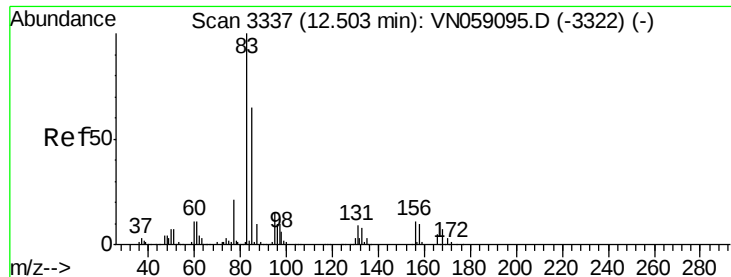
43 100

70 41.6 32.2 48.4

55 25.5 20.4 30.6

61 24.2 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 51.142 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN059216.D

Acq: 13 Nov 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 368565

Ion Ratio Lower Upper

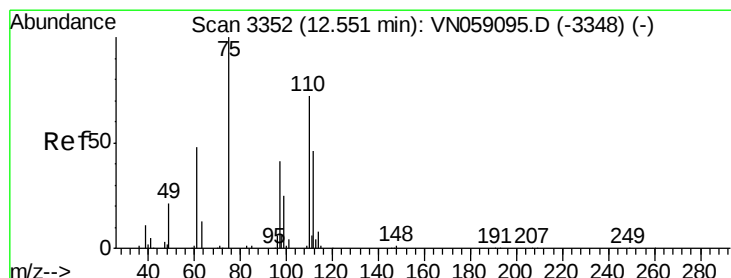
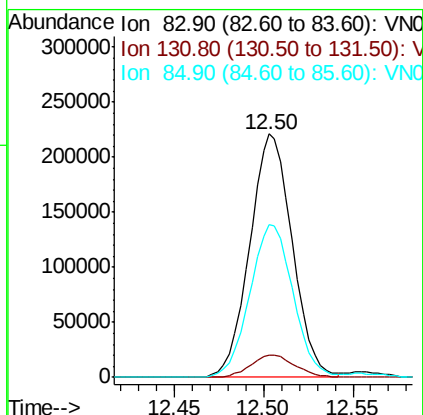
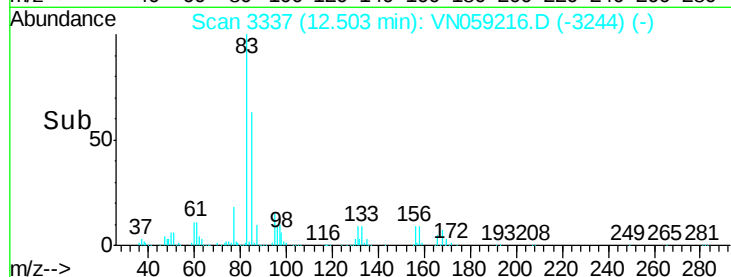
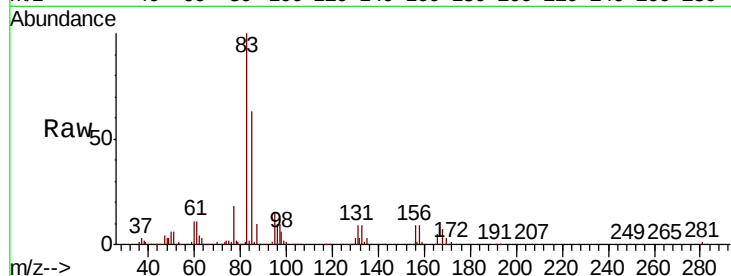
83 100

131 9.6 4.9 14.6

85 64.1 32.4 97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 44.483 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059216.D

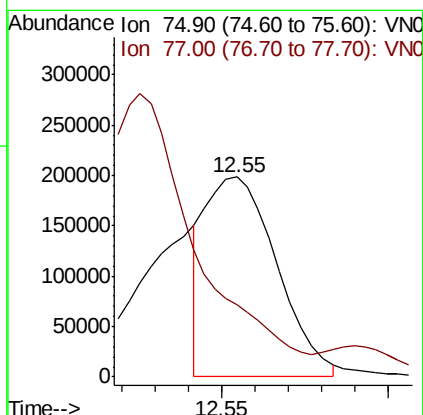
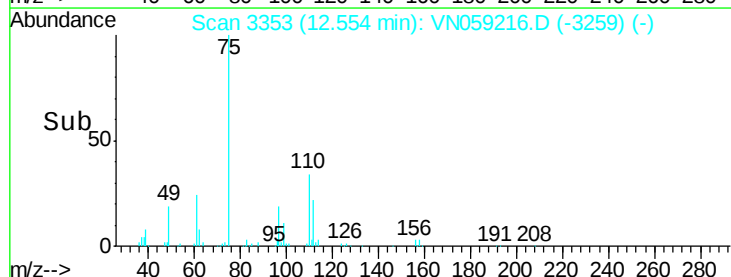
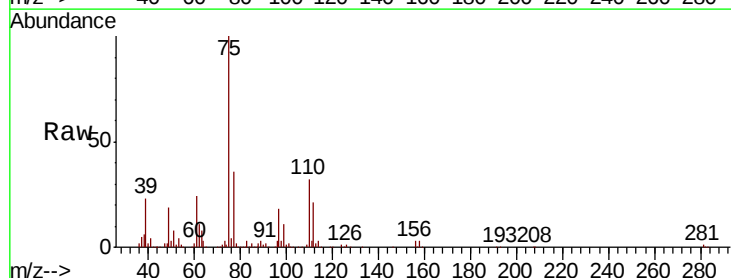
Acq: 13 Nov 2019 17:49

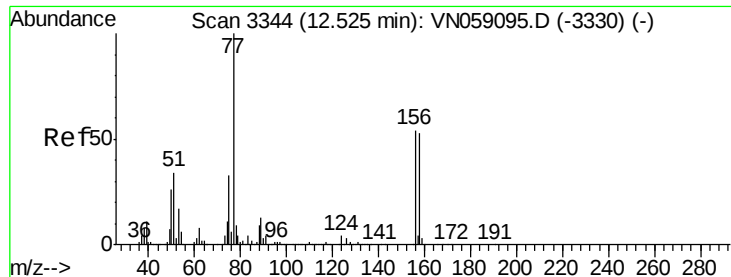
Tgt Ion: 75 Resp: 294626

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 48.246 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059216.D

Acq: 13 Nov 2019 17:49

Instrument :

MSVOA_N

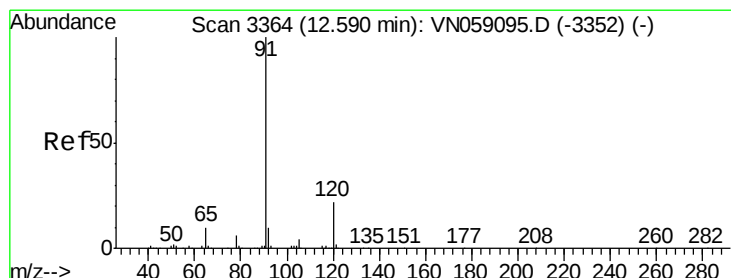
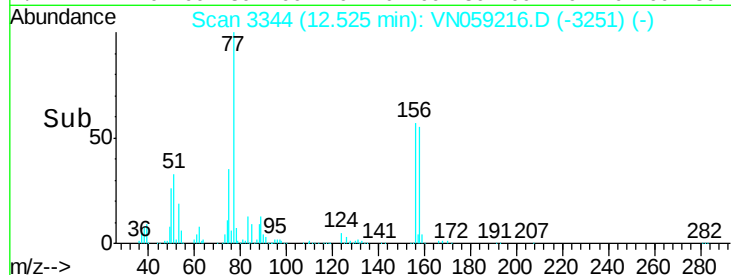
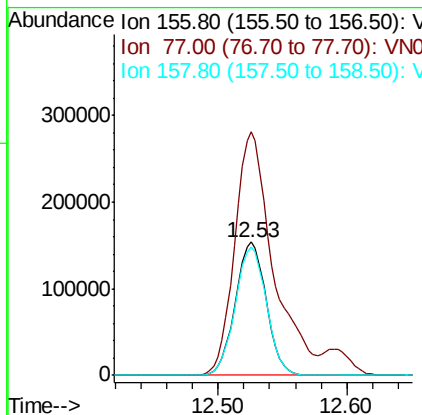
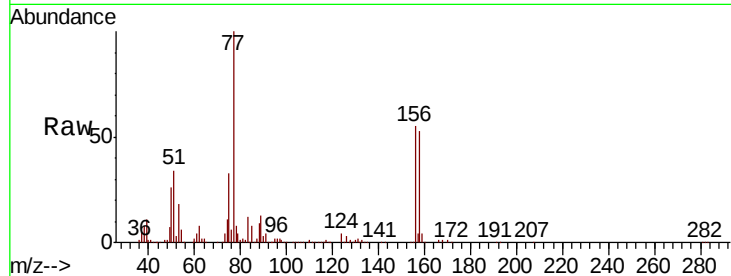
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	256516
Ion Ratio	Lower	Upper	
156	100		
77	226.1	112.8	338.3
158	97.1	48.4	145.3

Manual Integrations
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#78

n-propylbenzene

Concen: 51.231 ug/l

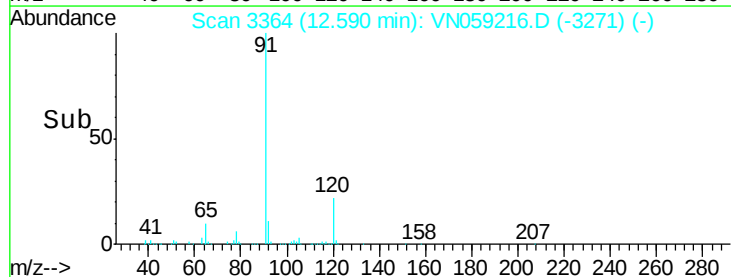
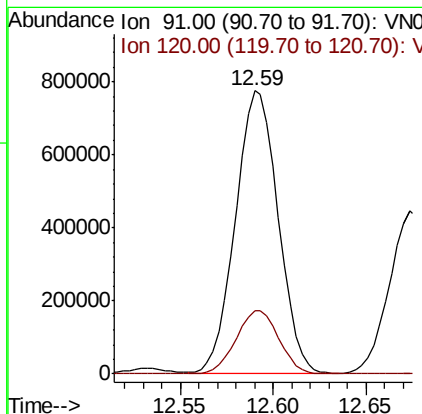
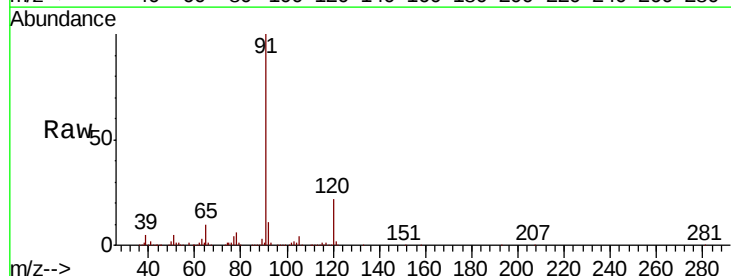
RT: 12.59 min Scan# 3364

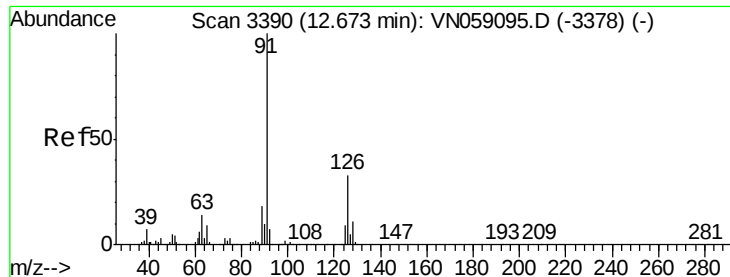
Delta R.T. -0.00 min

Lab File: VN059216.D

Acq: 13 Nov 2019 17:49

Tgt Ion:	91	Resp:	1241353
Ion Ratio	Lower	Upper	
91	100		
120	22.4	11.2	33.5





#79

2-Chlorotoluene

Concen: 48.518 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059216.D

Acq: 13 Nov 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 729297

Ion Ratio Lower Upper

91 100

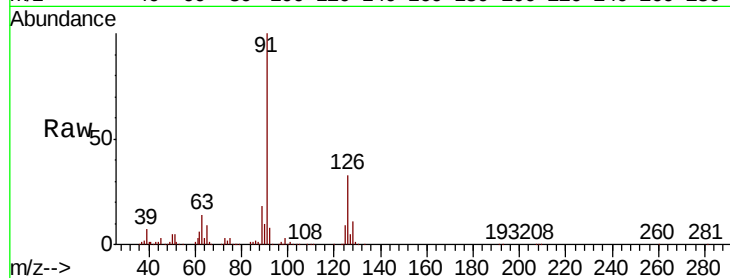
126 33.4 16.7 50.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN059216.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN059216.D (-3297) (-)

800000

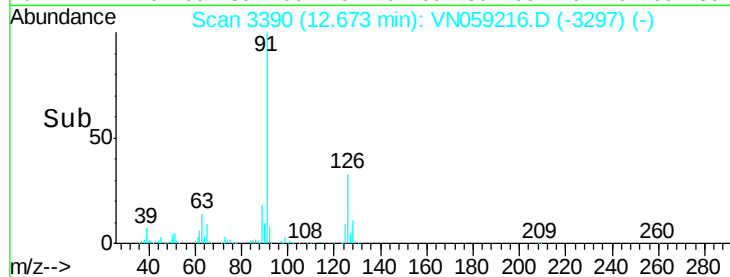
600000

400000

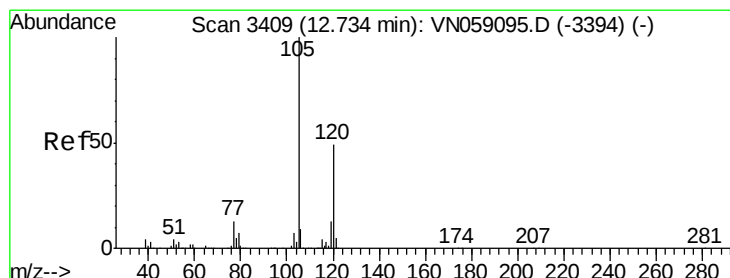
200000

0

12.60 12.65 12.70



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.213 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059216.D

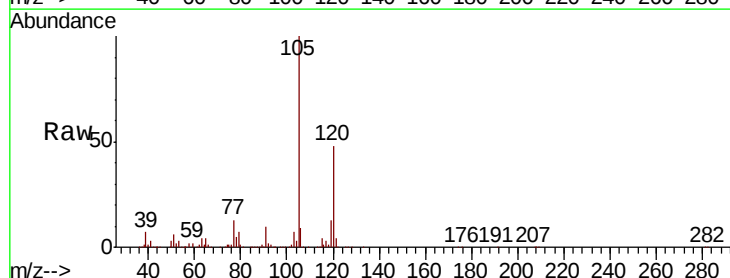
Acq: 13 Nov 2019 17:49

Tgt Ion: 105 Resp: 900404

Ion Ratio Lower Upper

105 100

120 48.1 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN059216.D (-3316) (-)

Ion 120.00 (119.70 to 120.70): VN059216.D (-3316) (-)

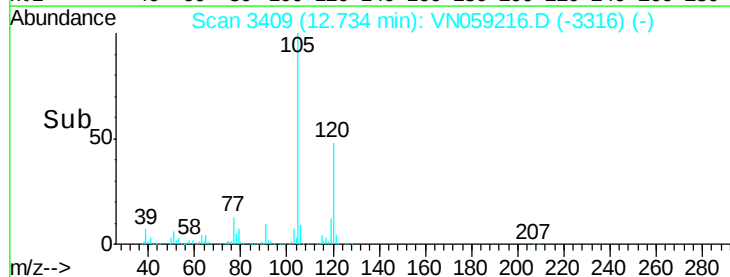
600000

400000

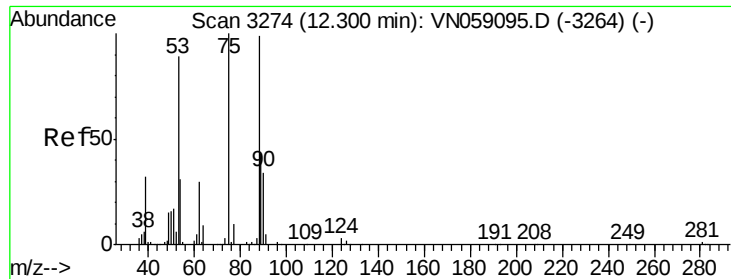
200000

0

12.70 12.80



Time-->



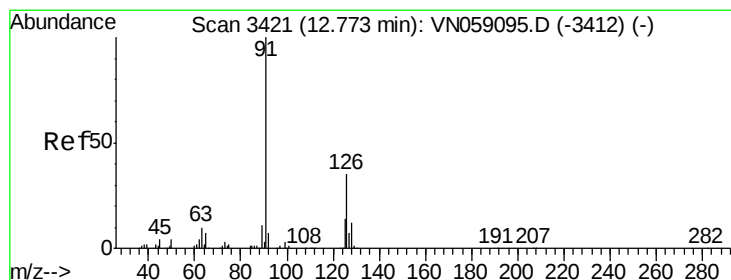
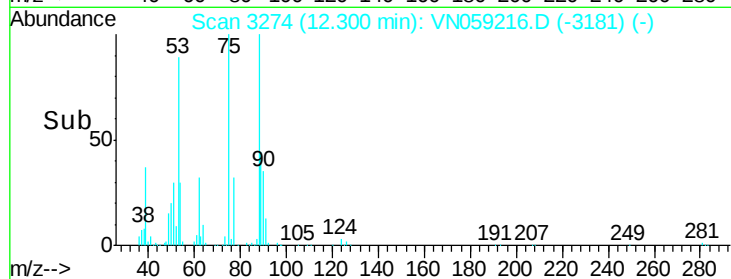
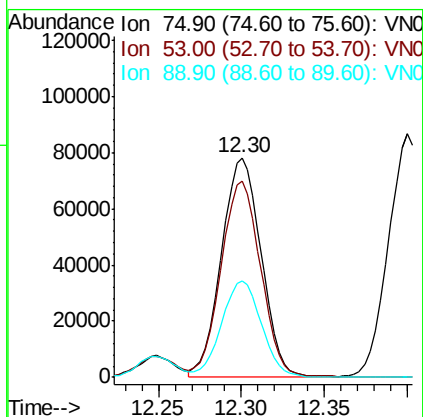
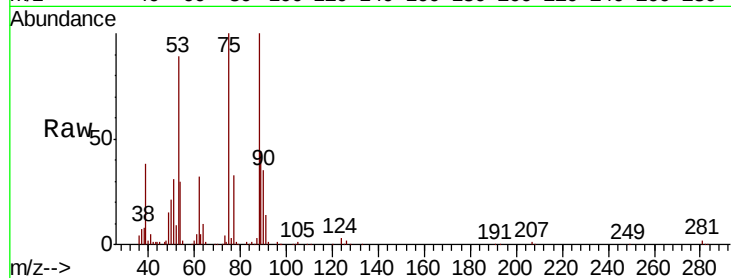
#81
trans-1,4-Dichloro-2-butene
Concen: 51.370 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059216.D
Acq: 13 Nov 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.2	72.2	108.2
89	44.7	35.8	53.8

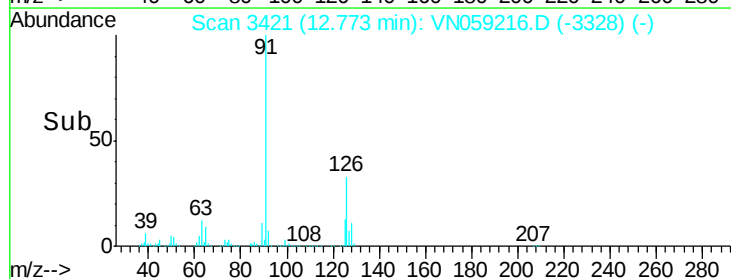
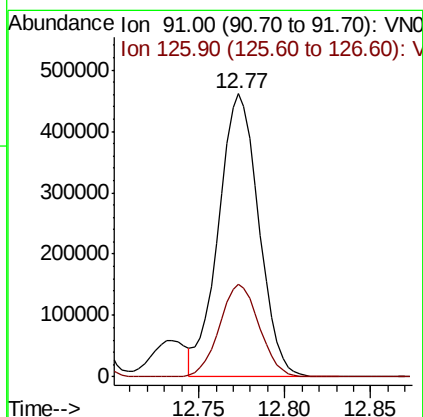
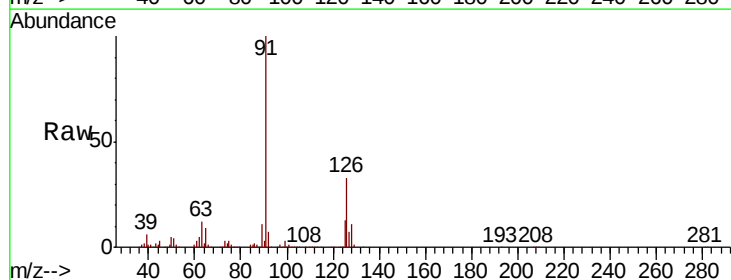
Manual Integrations
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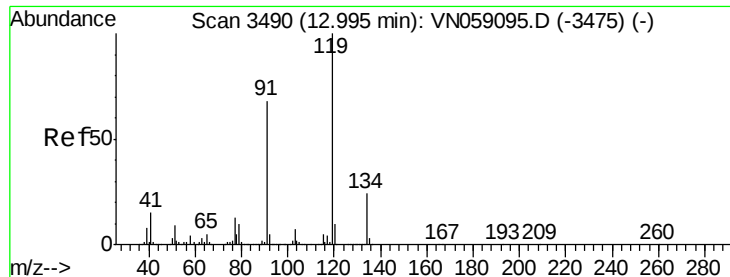
MMDadoda
11/14/2019 10:00:26 AM



#82
4-Chlorotoluene
Concen: 49.685 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059216.D
Acq: 13 Nov 2019 17:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.1	48.2





#83

tert-Butylbenzene

Concen: 49.595 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059216.D

Acq: 13 Nov 2019 17:49

Instrument :

MSVOA_N

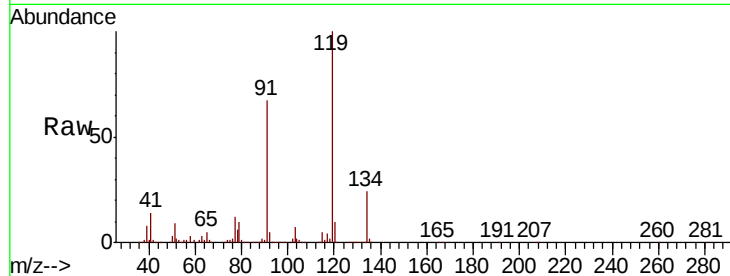
ClientSampleId :

VSTDCCC050EC

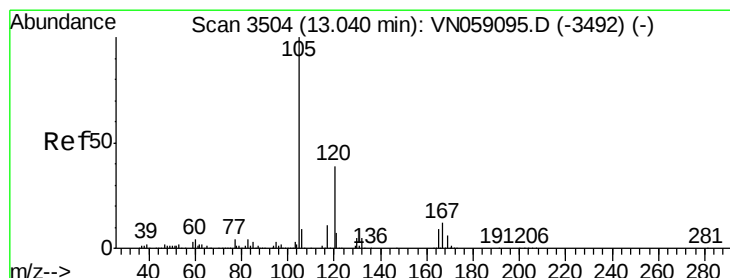
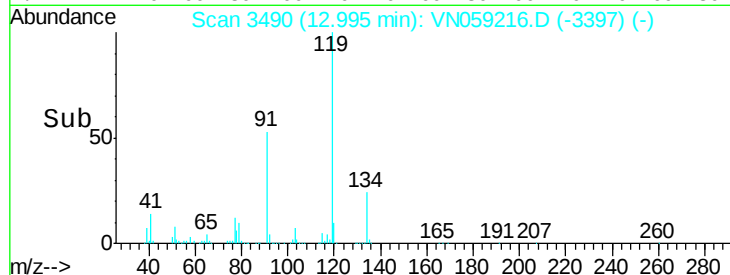
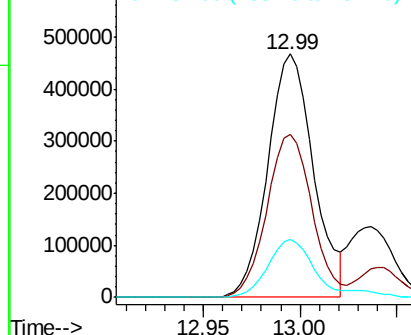
Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	100		767992		
91	66.1	33.2	99.6		
134	25.4	12.7	38.1		

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VN
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.357 ug/l

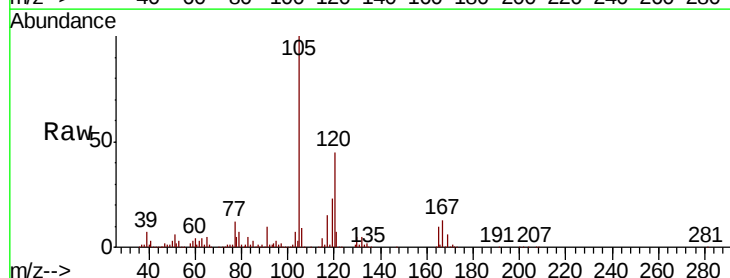
RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

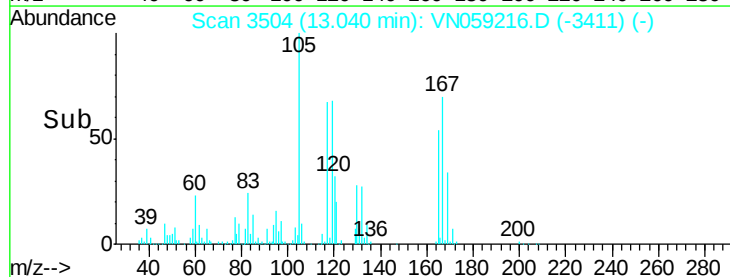
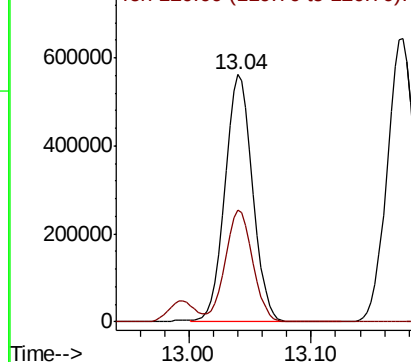
Lab File: VN059216.D

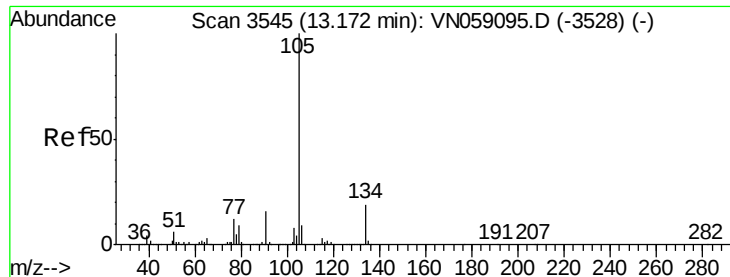
Acq: 13 Nov 2019 17:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		890980		
120	45.5	22.8	68.4		



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 51.245 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059216.D

Acq: 13 Nov 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1032050

Ion Ratio Lower Upper

105 100

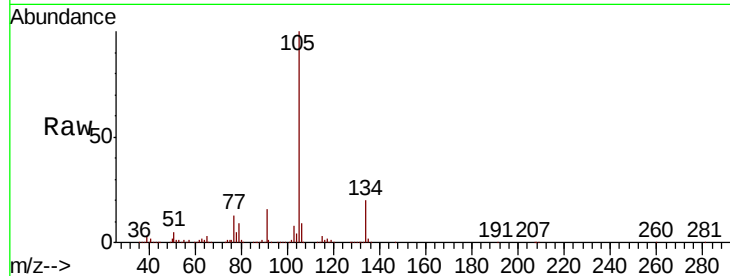
134 19.7 9.7 29.1

Manual Integrations

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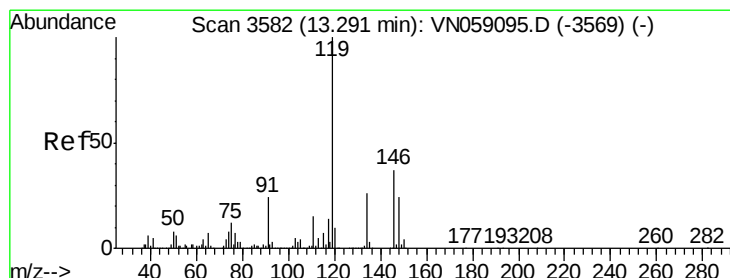
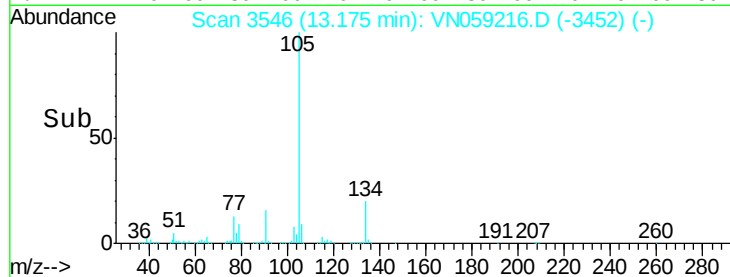
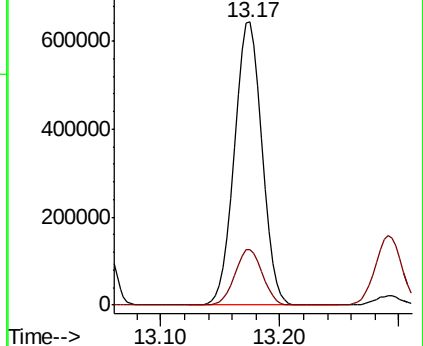
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.439 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN059216.D

Acq: 13 Nov 2019 17:49

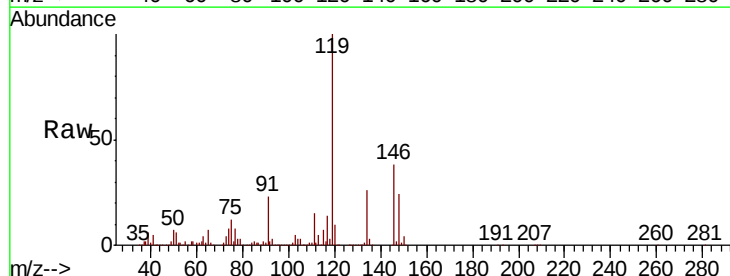
Tgt Ion:119 Resp: 932498

Ion Ratio Lower Upper

119 100

134 26.2 13.0 38.9

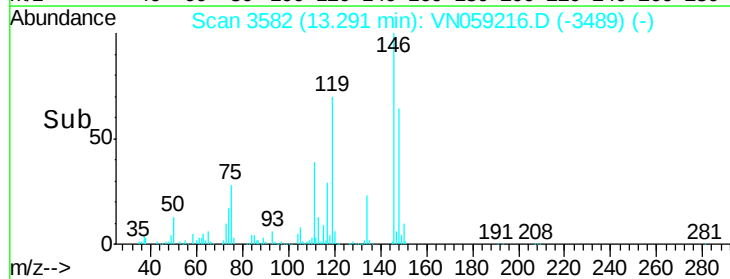
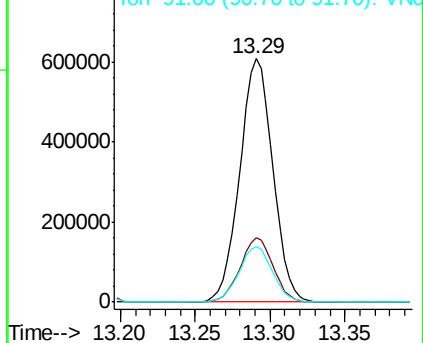
91 23.0 11.7 35.1

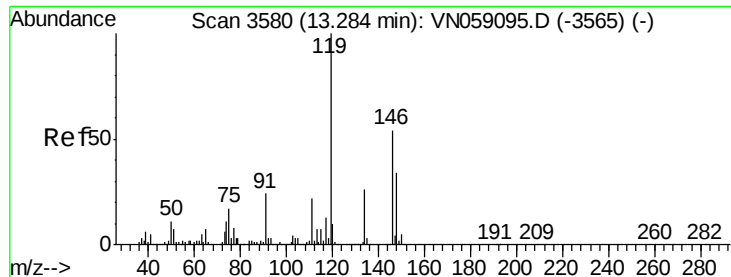


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





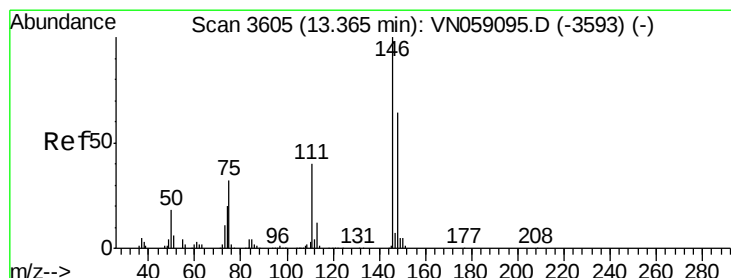
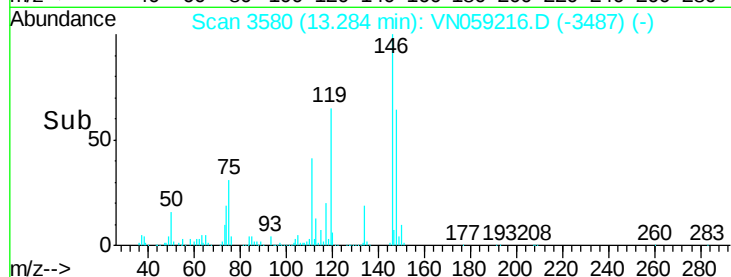
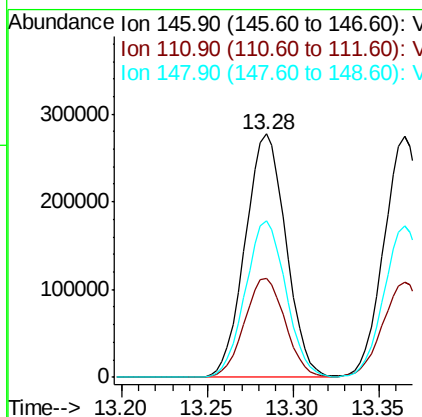
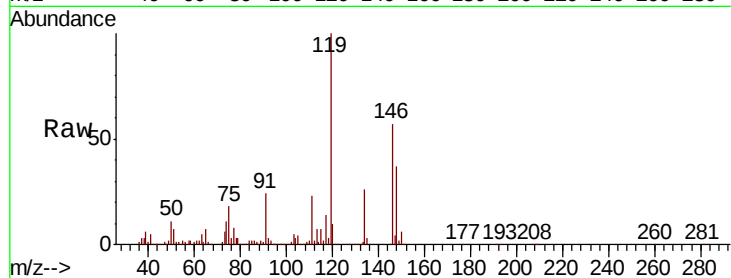
#87
 1,3-Dichlorobenzene
 Concen: 50.129 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN059216.D
 Acq: 13 Nov 2019 17:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.4	61.3
148	64.0	32.2	96.6

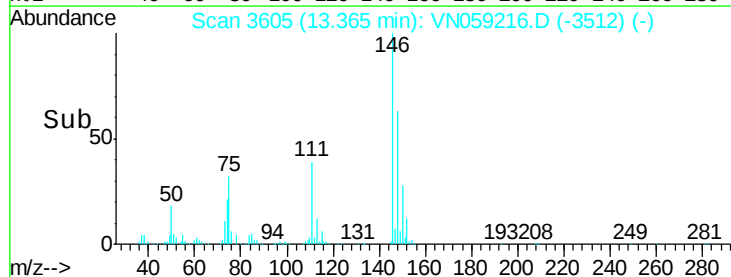
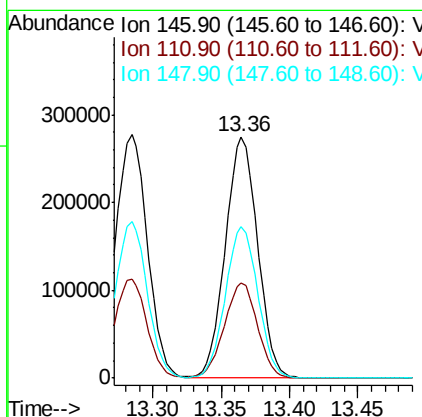
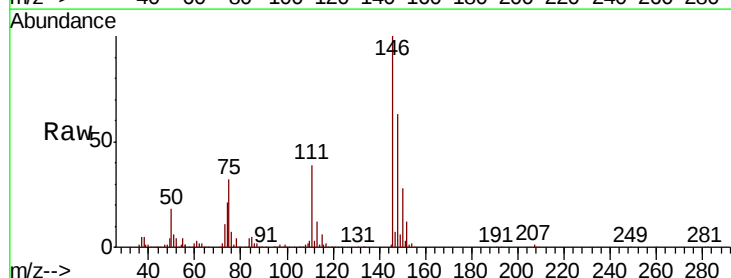
Manual Integrations
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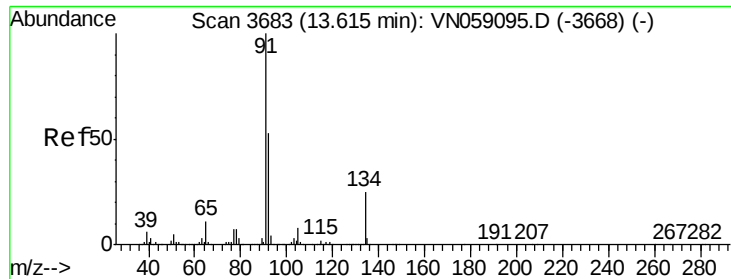
MMDadoda
 11/14/2019 10:00:26 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.572 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN059216.D
 Acq: 13 Nov 2019 17:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.3	60.9
148	63.3	31.9	95.7





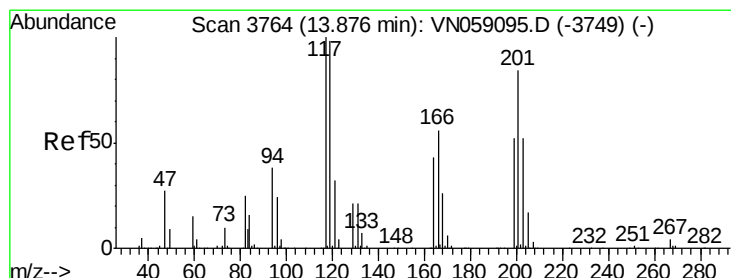
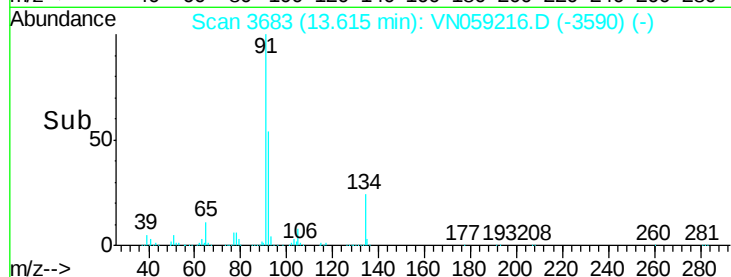
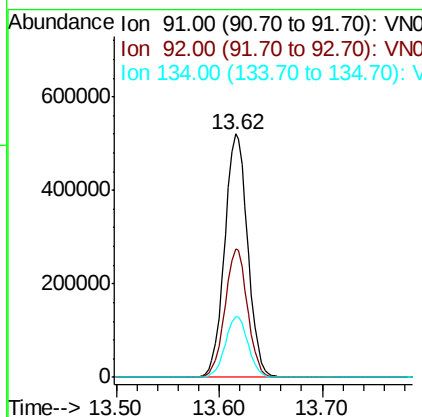
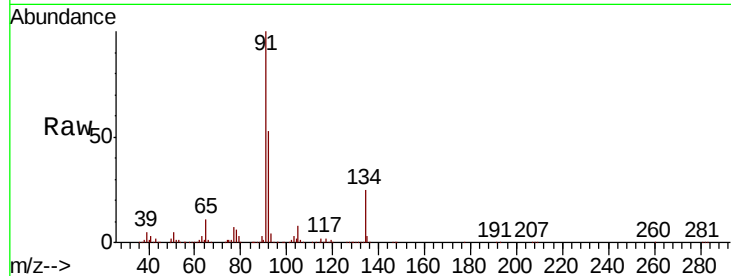
#89
n-Butylbenzene
Concen: 52.013 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059216.D
Acq: 13 Nov 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.1	78.3
134	24.9	12.6	37.8

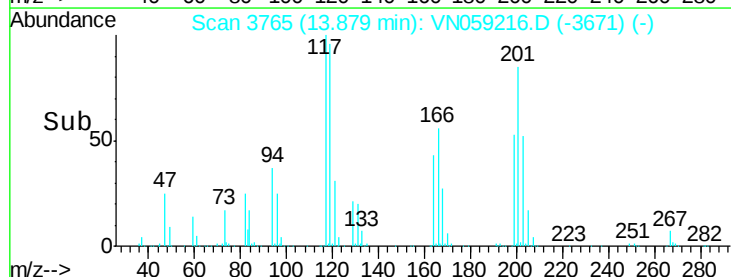
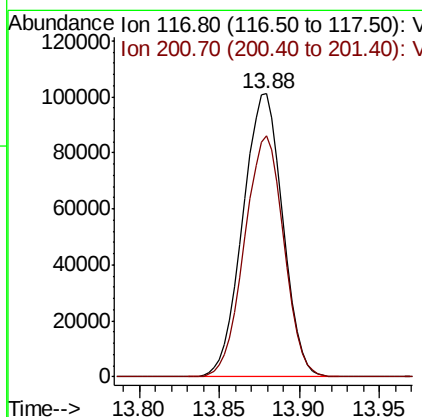
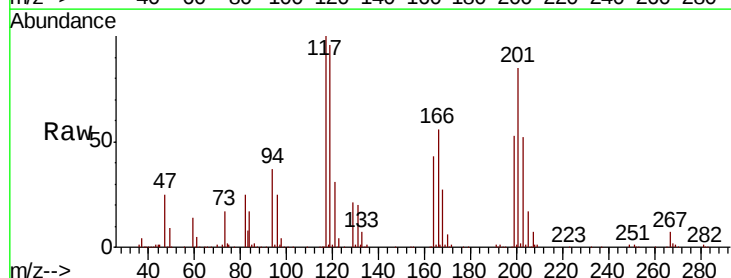
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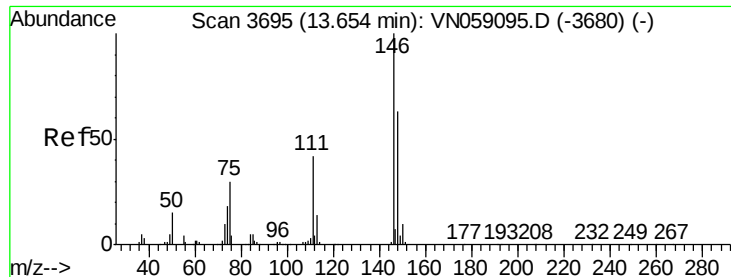
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11/14/2019 10:00:26 AM



#90
Hexachloroethane
Concen: 48.290 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059216.D
Acq: 13 Nov 2019 17:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.8	41.8	125.3





#91

1,2-Dichlorobenzene

Concen: 50.328 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN059216.D

Acq: 13 Nov 2019 17:49

Instrument :

MSVOA_N

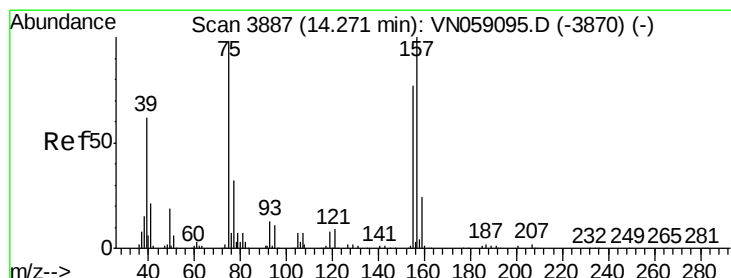
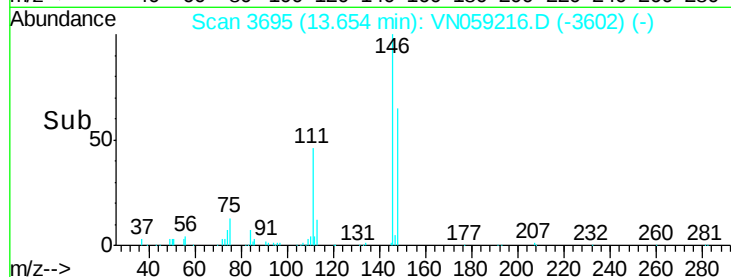
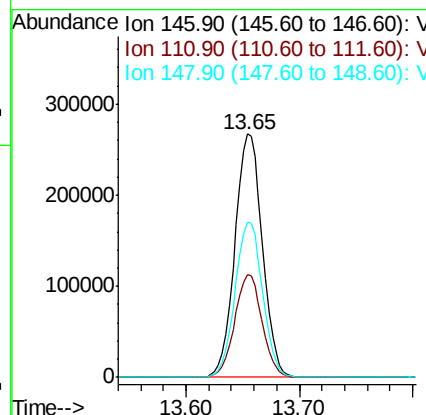
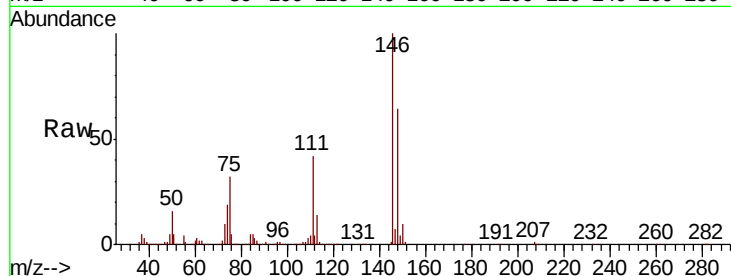
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	450744
Ion Ratio	Lower	Upper	
146	100		
111	42.3	21.2	63.6
148	64.0	31.6	94.7

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#92

1,2-Dibromo-3-Chloropropane

Concen: 53.902 ug/l

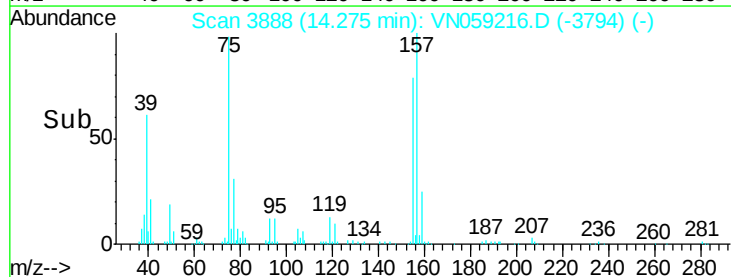
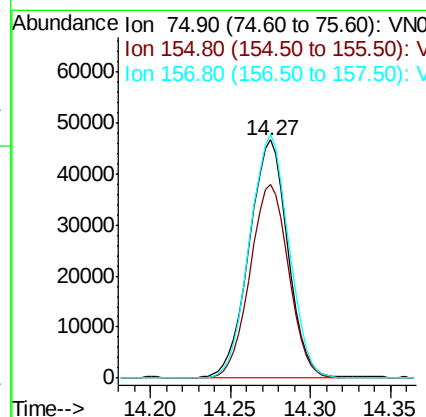
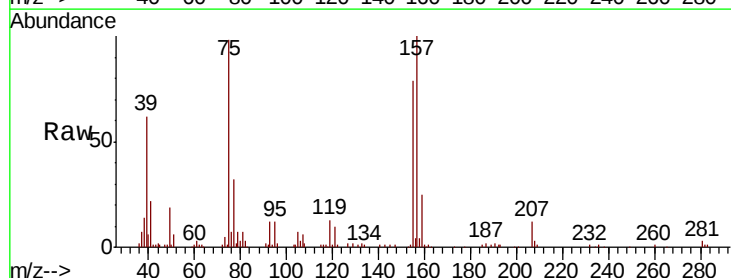
RT: 14.27 min Scan# 3888

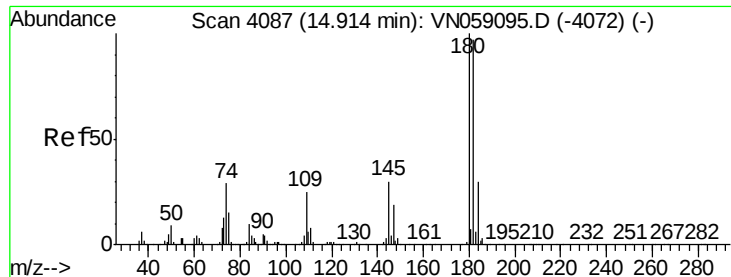
Delta R.T. 0.00 min

Lab File: VN059216.D

Acq: 13 Nov 2019 17:49

Tgt Ion:	75	Resp:	77503
Ion Ratio	Lower	Upper	
75	100		
155	81.0	40.2	120.6
157	102.9	51.8	155.5





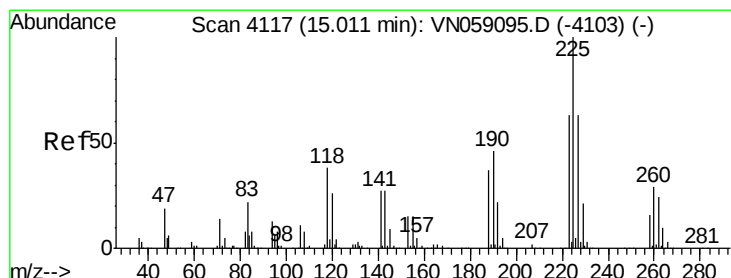
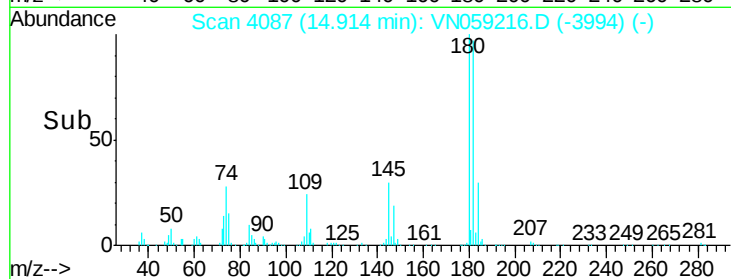
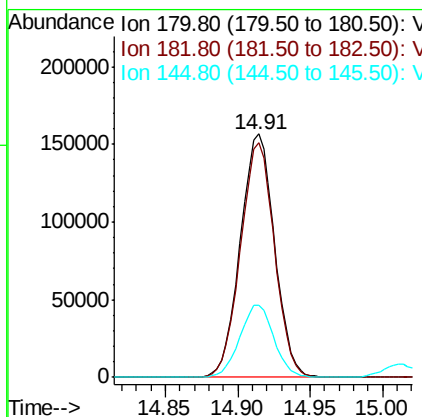
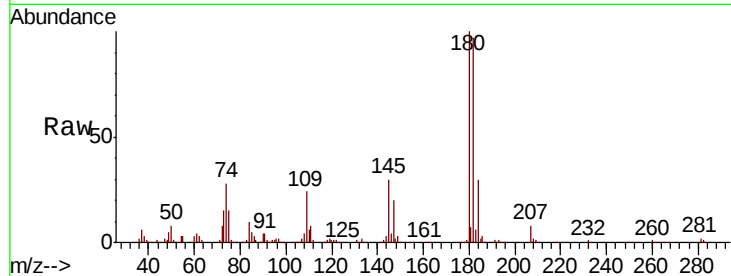
#93
 1,2,4-Trichlorobenzene
 Concen: 47.502 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059216.D
 Acq: 13 Nov 2019 17:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	257239		
182	95.7	48.1	144.3	
145	29.8	15.1	45.3	

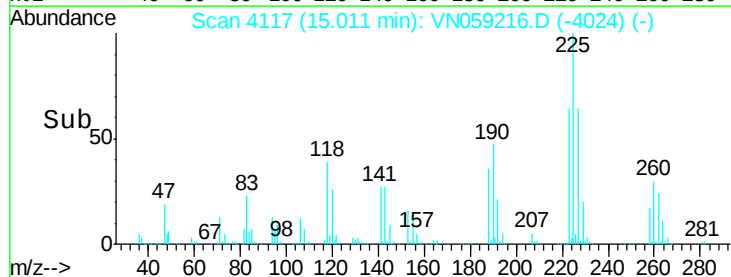
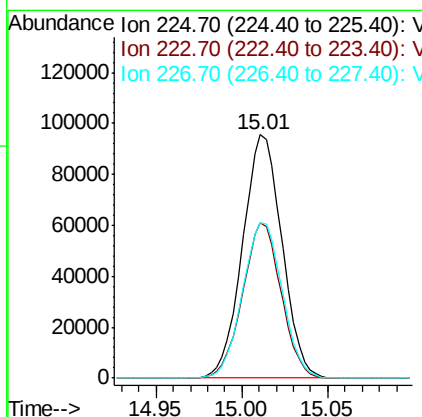
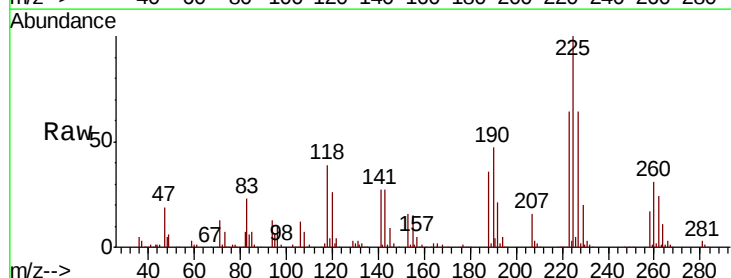
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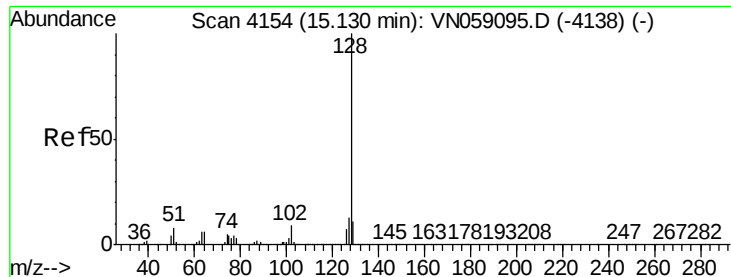
MMDadoda
 11/14/2019 10:00:26 AM



#94
 Hexachlorobutadiene
 Concen: 49.115 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059216.D
 Acq: 13 Nov 2019 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	151673		
223	62.3	31.3	93.9	
227	64.3	31.5	94.5	





#95

Naphthalene

Concen: 48.549 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059216.D

Acq: 13 Nov 2019 17:49

Instrument :

MSVOA_N

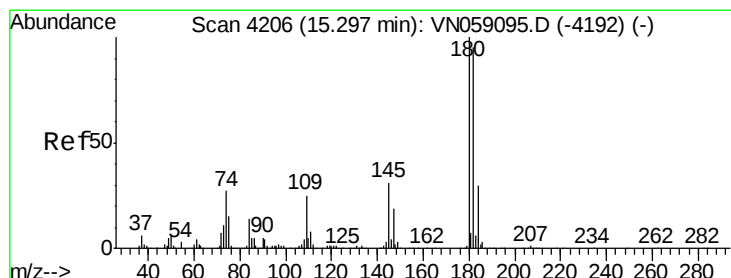
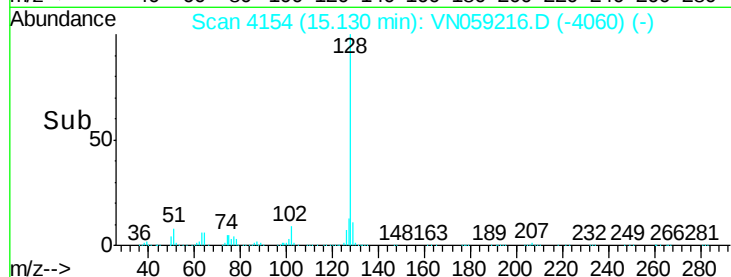
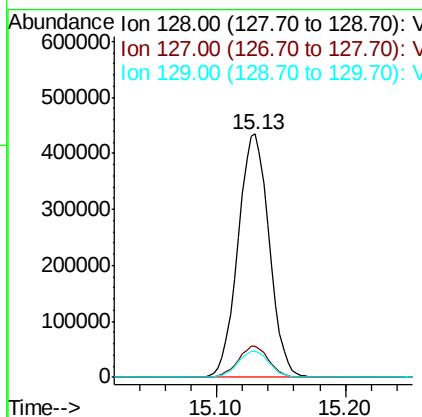
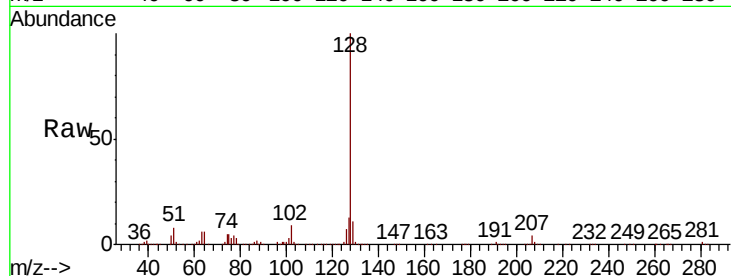
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 52.262 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN059216.D

Acq: 13 Nov 2019 17:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.3	141.8
145	31.6	15.8	47.3

