

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110819\
 Data File : VN059130.D
 Acq On : 8 Nov 2019 8:50
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/11/2019 10:34:49 AM

Quant Time: Nov 11 01:01:51 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	517822	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	799795	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	729971	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	348489	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	306216	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
35) Dibromofluoromethane	7.56	113	242760	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
50) Toluene-d8	10.08	98	955550	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
62) 4-Bromofluorobenzene	12.40	95	355523	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	228080	43.716	ug/l	100
3) Chloromethane	2.04	50	303431	42.785	ug/l	99
4) Vinyl Chloride	2.17	62	304454	44.279	ug/l	100
5) Bromomethane	2.54	94	165486	41.823	ug/l	98
6) Chloroethane	2.68	64	184278	45.306	ug/l	98
7) Trichlorofluoromethane	3.00	101	373331	45.394	ug/l	98
8) Diethyl Ether	3.38	74	152588	45.661	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	227629	45.904	ug/l	99
10) Methyl Iodide	3.92	142	244629	39.855	ug/l	100
11) Tert butyl alcohol	4.74	59	238608	196.693	ug/l	99
12) 1,1-Dichloroethene	3.71	96	222035	45.965	ug/l	97
13) Acrolein	3.58	56	114970	183.820	ug/l	99
14) Allyl chloride	4.29	41	446691	45.018	ug/l	98
15) Acrylonitrile	4.95	53	671868	222.547	ug/l	99
16) Acetone	3.78	43	856953	258.889	ug/l	99
17) Carbon Disulfide	4.02	76	650865	43.406	ug/l	99
18) Methyl Acetate	4.29	43	343912	43.772	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	787259	47.338	ug/l	100
20) Methylene Chloride	4.52	84	263851	45.754	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	240608	46.404	ug/l	98
22) Diisopropyl ether	5.92	45	893896	47.695	ug/l	100
23) Vinyl Acetate	5.86	43	3617706	249.061	ug/l	100
24) 1,1-Dichloroethane	5.81	63	485196	46.351	ug/l	98
25) 2-Butanone	6.80	43	1029885	236.075	ug/l	100
26) 2,2-Dichloropropane	6.79	77	420127	45.899	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	280562	46.640	ug/l	100
28) Bromochloromethane	7.17	49	141628	44.971	ug/l	99
29) Tetrahydrofuran	7.18	42	598982	216.087	ug/l	99
30) Chloroform	7.34	83	461665	45.975	ug/l	99
31) Cyclohexane	7.63	56	436302	44.028	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	394790	46.762	ug/l	99
36) 1,1-Dichloropropene	7.77	75	356250	47.654	ug/l	100
37) Ethyl Acetate	6.90	43	370693	44.573	ug/l	100
38) Carbon Tetrachloride	7.75	117	347325	46.679	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	413100	47.613	ug/l	99
40) Benzene	8.02	78	1073531	47.687	ug/l	100
41) Methacrylonitrile	7.14	41	172365m	47.662	ug/l	
42) 1,2-Dichloroethane	8.10	62	362101	46.898	ug/l	100
43) Isopropyl Acetate	8.14	43	603060	45.484	ug/l	99
44) Trichloroethene	8.81	130	266500	48.158	ug/l	97
45) 1,2-Dichloropropane	9.10	63	293239	47.957	ug/l	99
46) Dibromomethane	9.19	93	176209	46.245	ug/l	99
47) Bromodichloromethane	9.38	83	368881	48.482	ug/l	98
48) Methyl methacrylate	9.18	41	275577	46.467	ug/l	98
49) 1,4-Dioxane	9.18	88	96224	912.985	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	1831734	244.163	ug/l	100
52) Toluene	10.14	92	655516	48.582	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	425153	48.365	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	464509	49.125	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	256657	47.000	ug/l	98
56) Ethyl methacrylate	10.42	69	405719	44.750	ug/l	99
57) 1,3-Dichloropropane	10.70	76	450957	47.981	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	778623	256.205	ug/l	100
59) 2-Hexanone	10.74	43	1436438	249.459	ug/l	100
60) Dibromochloromethane	10.89	129	282922	49.002	ug/l	100
61) 1,2-Dibromoethane	11.00	107	264698	47.883	ug/l	99
64) Tetrachloroethene	10.62	164	232239	46.788	ug/l	98
65) Chlorobenzene	11.43	112	688573	48.389	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	259450	48.604	ug/l	100
67) Ethyl Benzene	11.51	91	1267022	50.185	ug/l	99
68) m/p-Xylenes	11.62	106	943238	99.736	ug/l	100
69) o-Xylene	11.94	106	449627	49.196	ug/l	99
70) Styrene	11.96	104	743312	51.712	ug/l	99
71) Bromoform	12.12	173	201164	48.449	ug/l #	100
73) Isopropylbenzene	12.25	105	1224720	48.314	ug/l	100
74) N-amyl acetate	12.07	43	515104	47.955	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	391190	45.315	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	349818m	44.091	ug/l	
77) Bromobenzene	12.52	156	295705	46.430	ug/l	98
78) n-propylbenzene	12.59	91	1441267	49.656	ug/l	100
79) 2-Chlorotoluene	12.67	91	847087	47.046	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1040576	48.445	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	141602	47.141	ug/l	98
82) 4-Chlorotoluene	12.77	91	876017	48.508	ug/l	99
83) tert-Butylbenzene	12.99	119	865822	46.676	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1045623	50.315	ug/l	98
85) sec-Butylbenzene	13.17	105	1176703	48.777	ug/l	100
86) p-Isopropyltoluene	13.29	119	1072045	50.328	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	527340	48.353	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	523376	47.964	ug/l	99
89) n-Butylbenzene	13.62	91	930262	49.897	ug/l	99
90) Hexachloroethane	13.88	117	192530	45.012	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	519866	48.457	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	73304	42.566	ug/l	100

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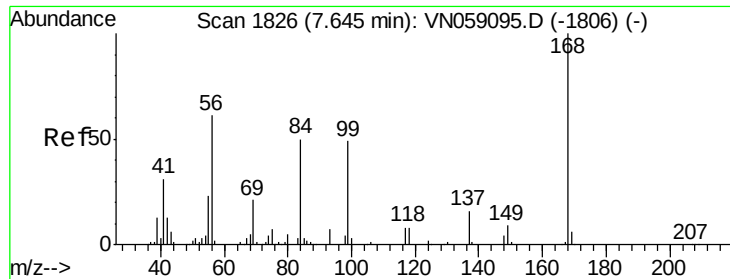
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	287883	44.580	ug/l	99
94) Hexachlorobutadiene	15.01	225	166647	45.050	ug/l	99
95) Naphthalene	15.13	128	758352	42.481	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	283764	47.197	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 517822

Ion Ratio Lower Upper

168 100

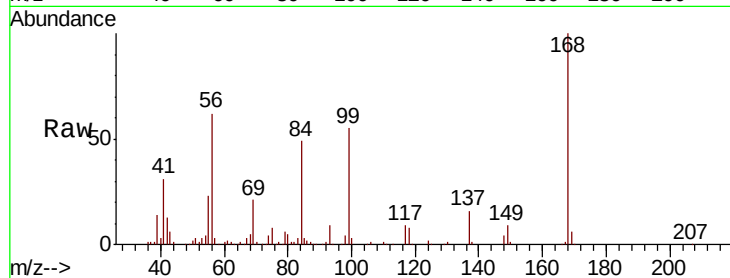
99 54.8 45.7 68.5

Manual Integrations

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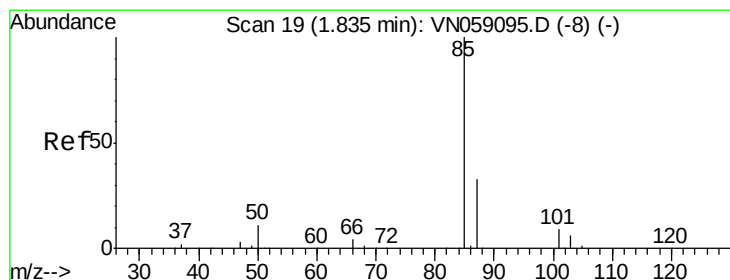
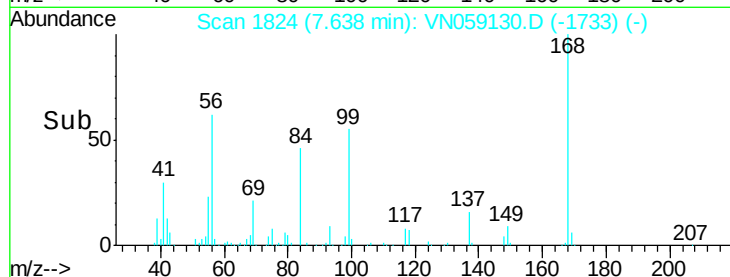
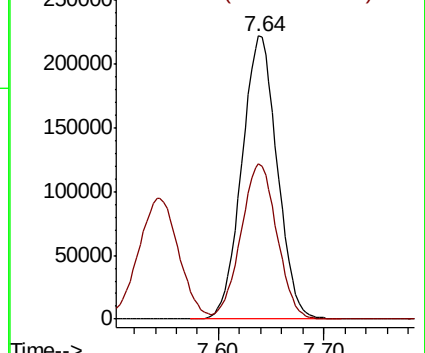
MMDadoda

11/11/2019 10:34:49 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 43.716 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059130.D

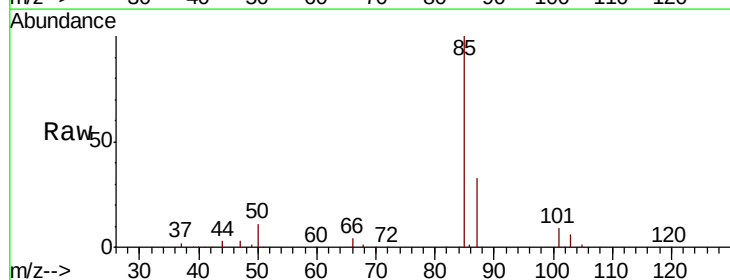
Acq: 8 Nov 2019 8:50

Tgt Ion: 85 Resp: 228080

Ion Ratio Lower Upper

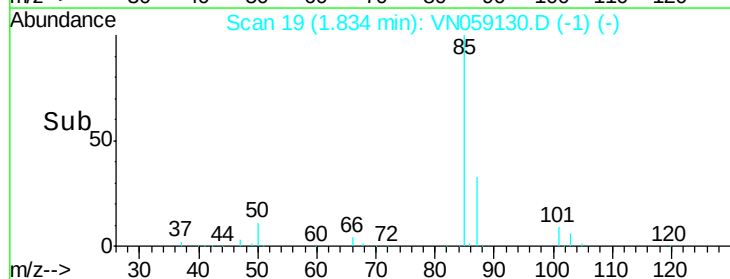
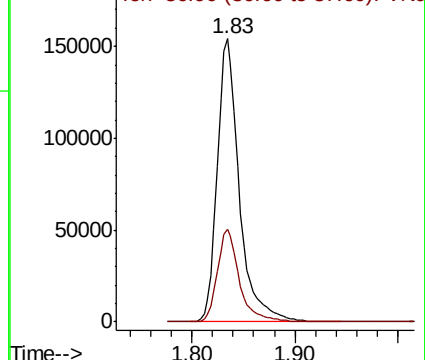
85 100

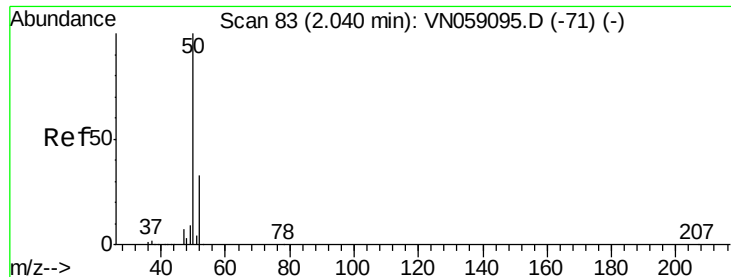
87 32.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 42.785 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 303431

Ion Ratio Lower Upper

50 100

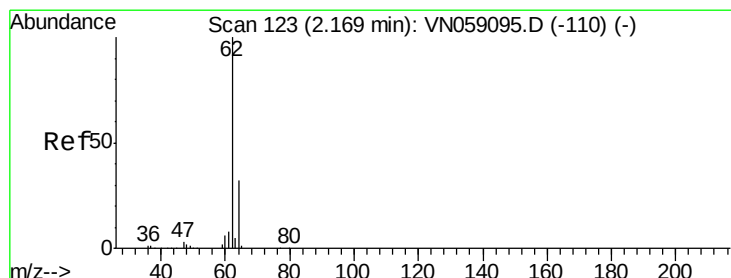
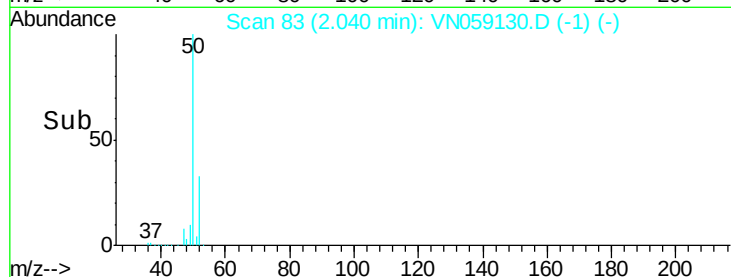
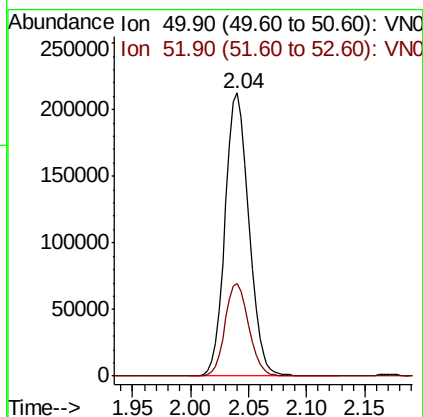
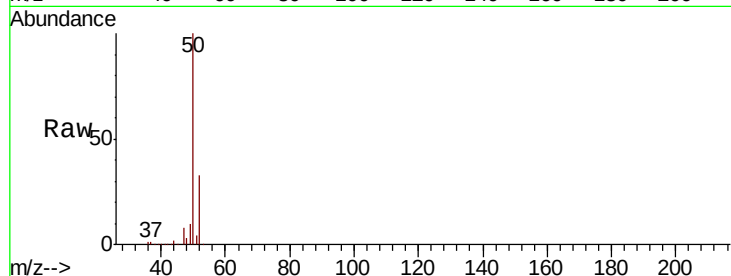
52 32.8 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.279 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059130.D

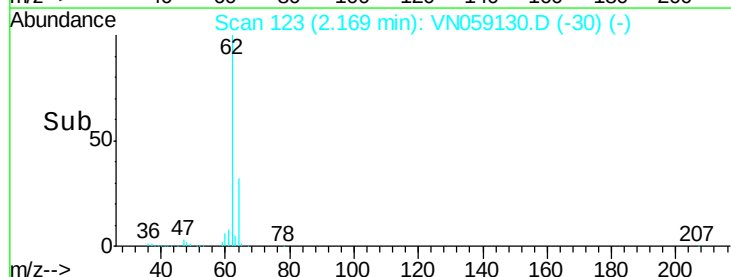
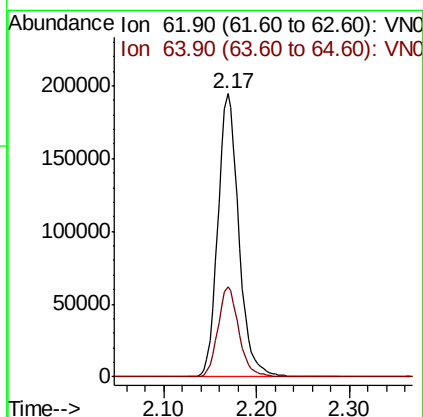
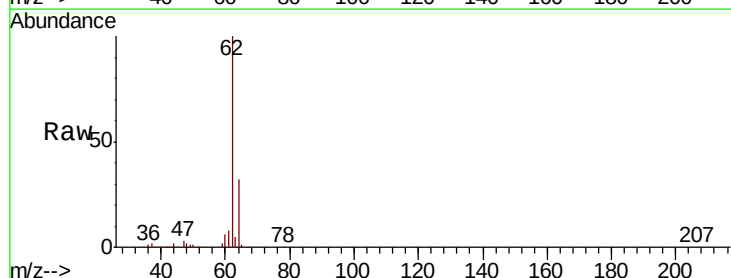
Acq: 8 Nov 2019 8:50

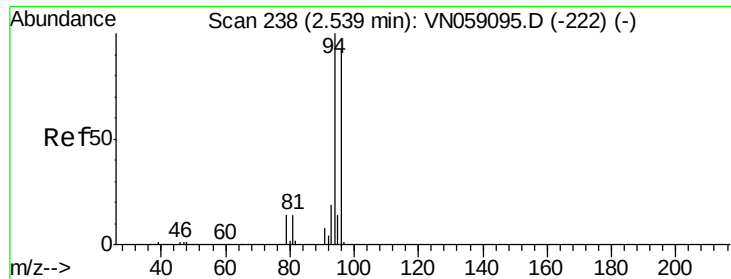
Tgt Ion: 62 Resp: 304454

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.2





#5

Bromomethane

Concen: 41.823 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 165486

Ion Ratio Lower Upper

94 100

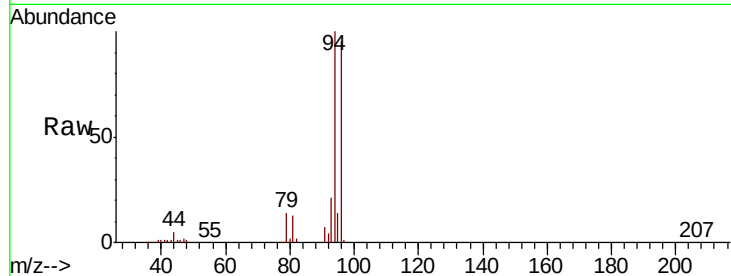
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Manual Integrations

APPROVED

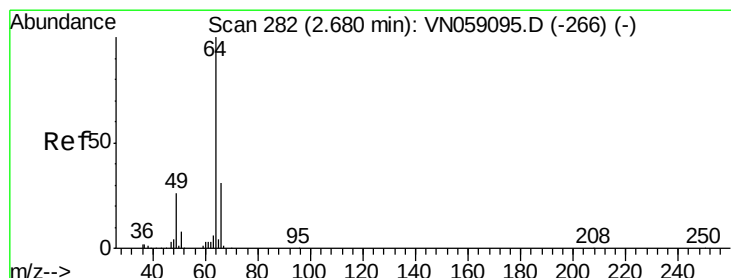
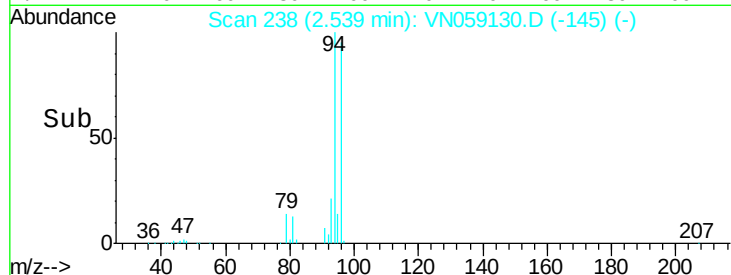
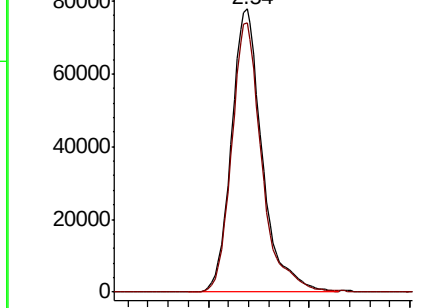
MMDadoda

11/11/2019 10:34:49 AM



Abundance Ion 93.90 (93.60 to 94.60): VN059130.D (-145) (-)

Ion 95.90 (95.60 to 96.60): VN059130.D (-145) (-)



#6

Chloroethane

Concen: 45.306 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN059130.D

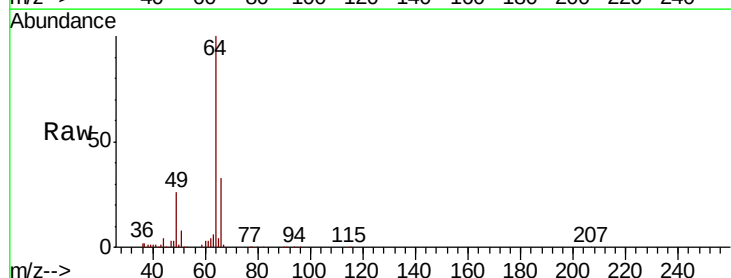
Acq: 8 Nov 2019 8:50

Tgt Ion: 64 Resp: 184278

Ion Ratio Lower Upper

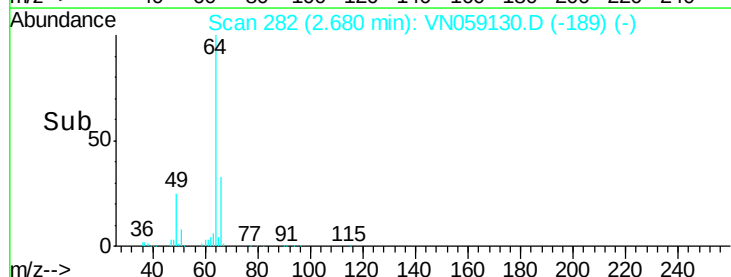
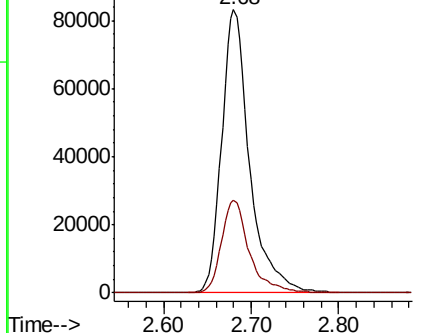
64 100

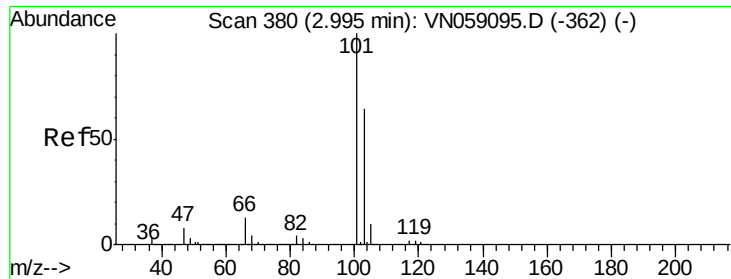
66 32.7 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN059130.D (-189) (-)

Ion 65.90 (65.60 to 66.60): VN059130.D (-189) (-)





#7

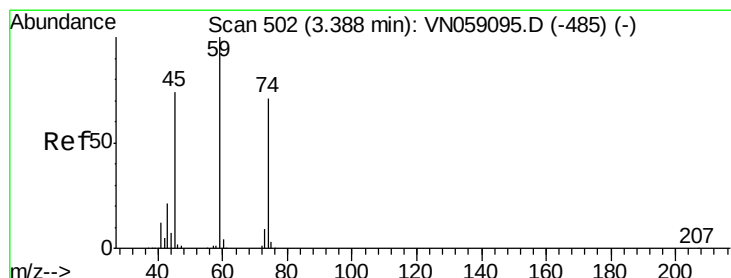
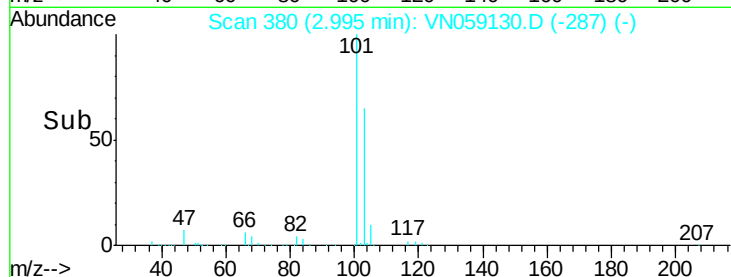
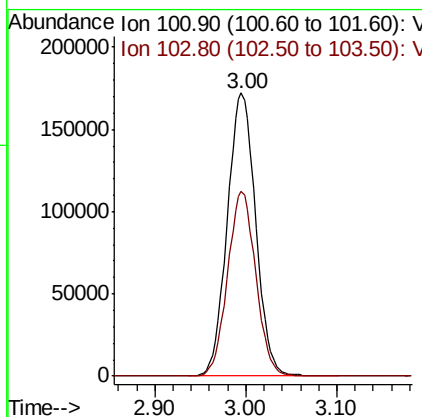
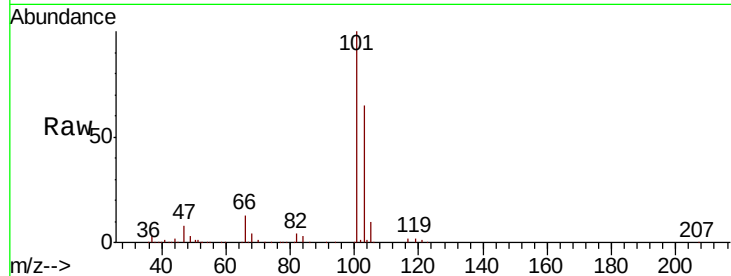
Trichlorofluoromethane
 Concen: 45.394 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN059130.D
 Acq: 8 Nov 2019 8:50

Instrument :
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 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.2	76.8

Manual Integrations
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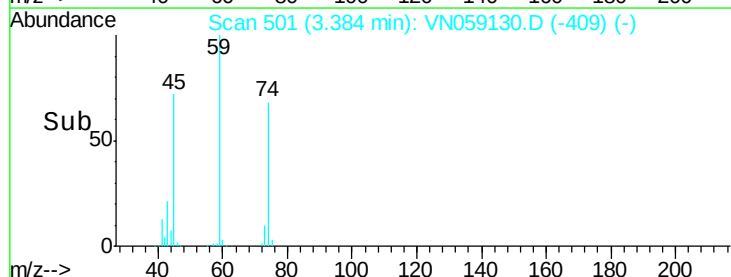
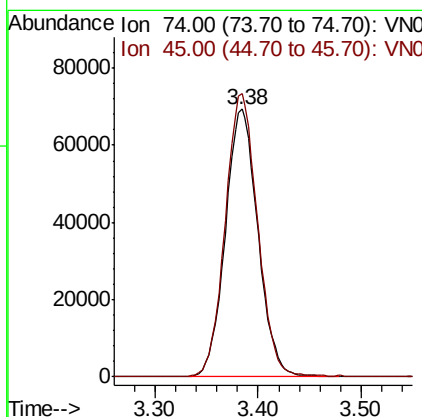
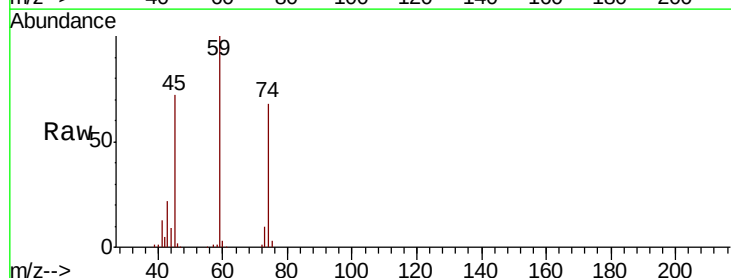
MMDadoda
 11/11/2019 10:34:49 AM

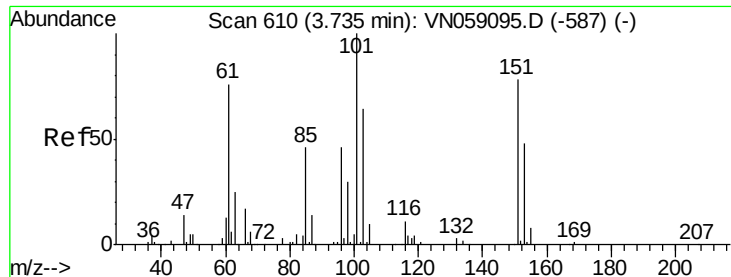


#8

Diethyl Ether
 Concen: 45.661 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059130.D
 Acq: 8 Nov 2019 8:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.4	51.6	154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.904 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

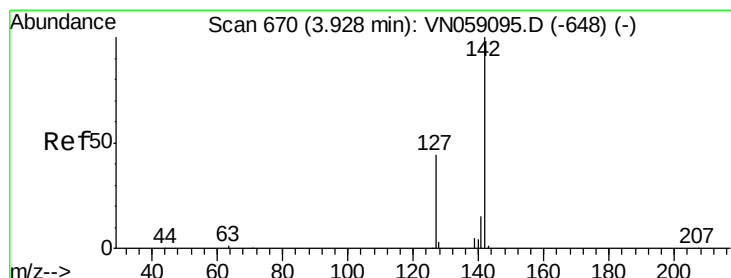
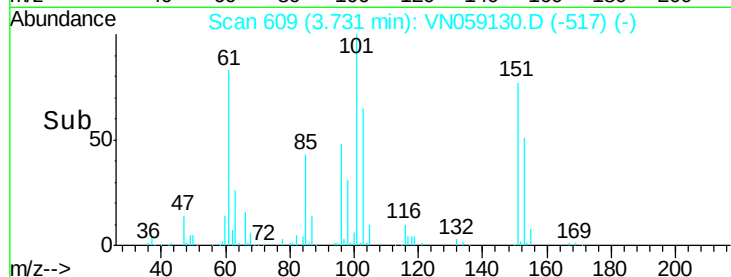
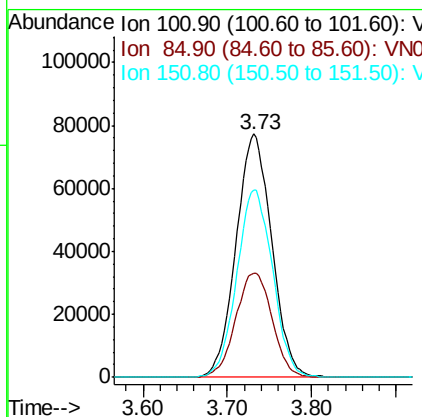
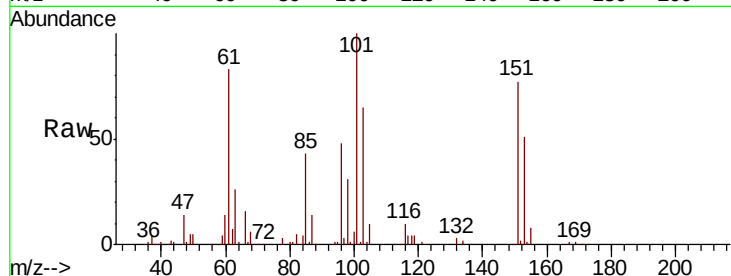
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	227629
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.5	53.3
151	77.3	62.2	93.2

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#10

Methyl Iodide

Concen: 39.855 ug/l

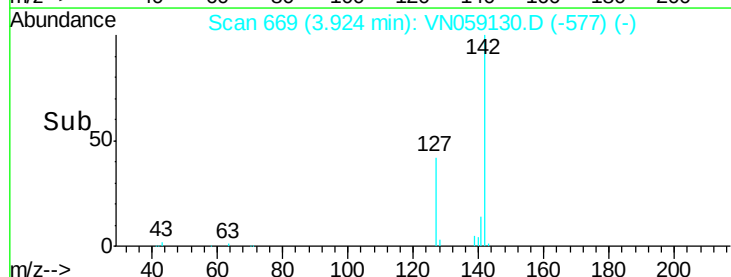
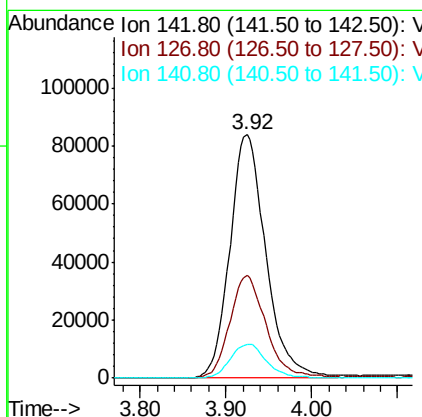
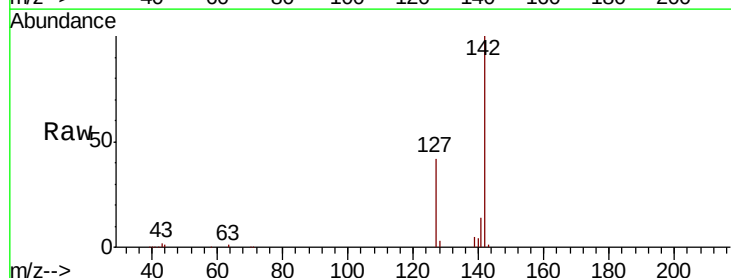
RT: 3.92 min Scan# 669

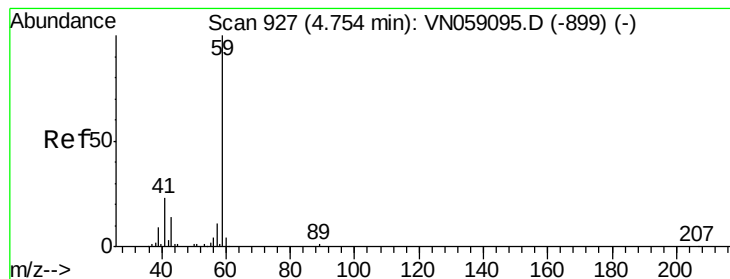
Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Tgt Ion:	142	Resp:	244629
Ion Ratio	Lower	Upper	
142	100		
127	42.4	34.2	51.2
141	14.1	11.4	17.0





#11

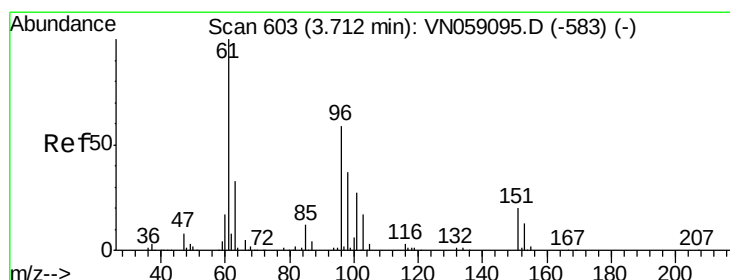
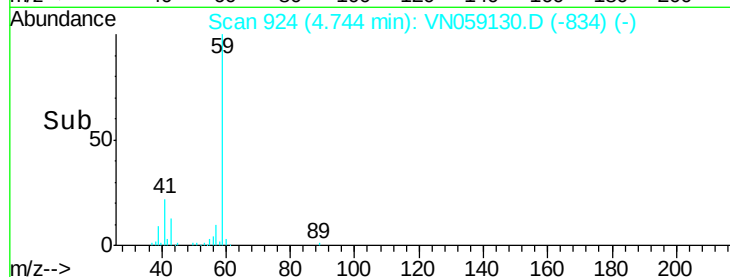
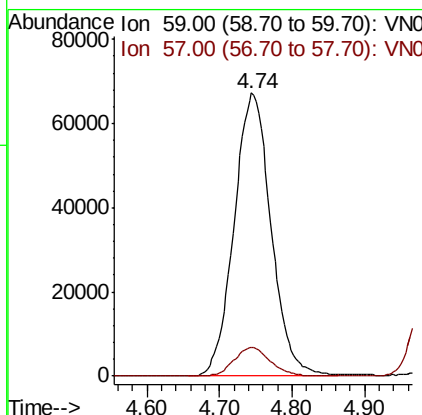
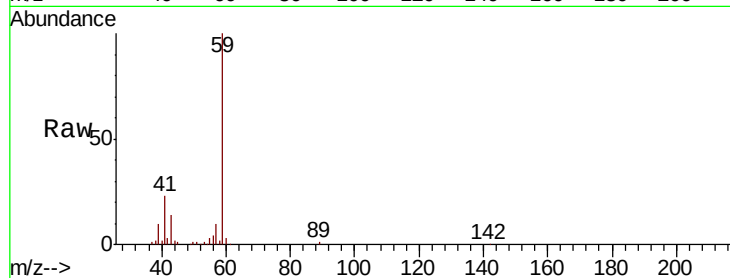
Tert butyl alcohol
Concen: 196.693 ug/l
RT: 4.74 min Scan# 924
Delta R.T. -0.01 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	238608		
57	10.1		8.3	12.5

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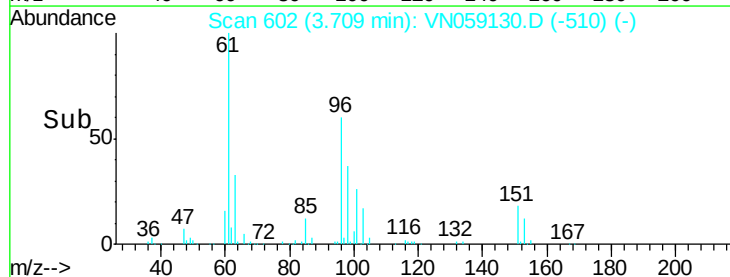
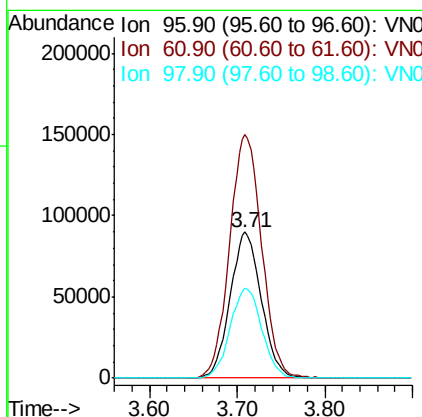
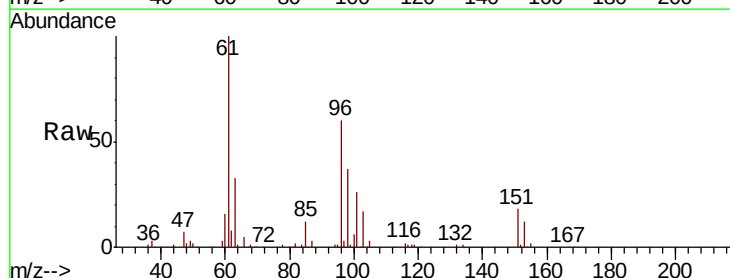
MMDadoda
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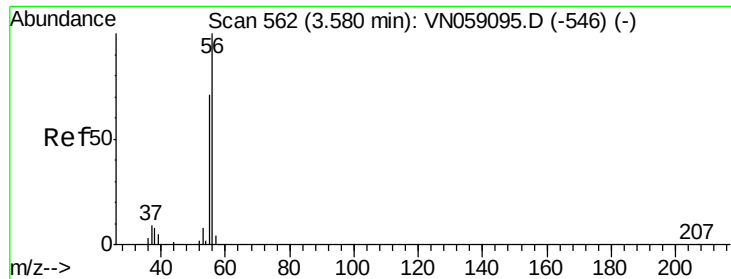


#12

1,1-Dichloroethene
Concen: 45.965 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	222035		
61	166.6		136.5	204.7
98	61.3		50.2	75.4





#13

Acrolein

Concen: 183.820 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 114970

Ion Ratio Lower Upper

56 100

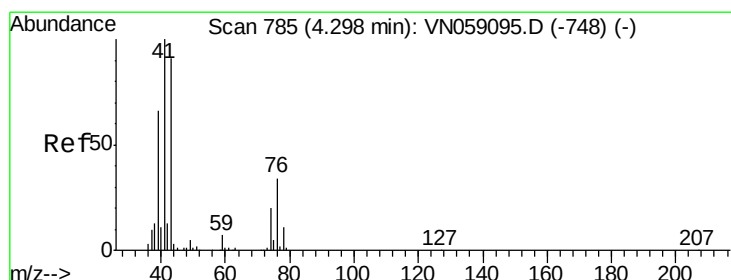
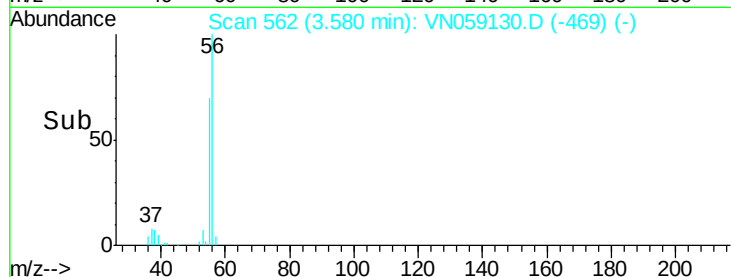
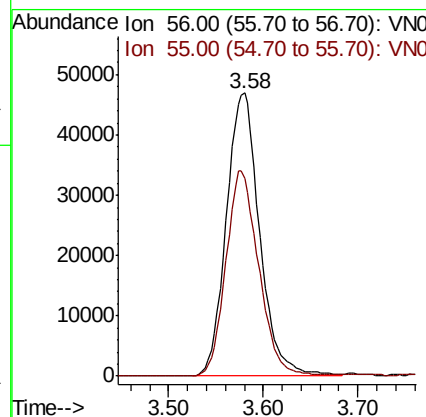
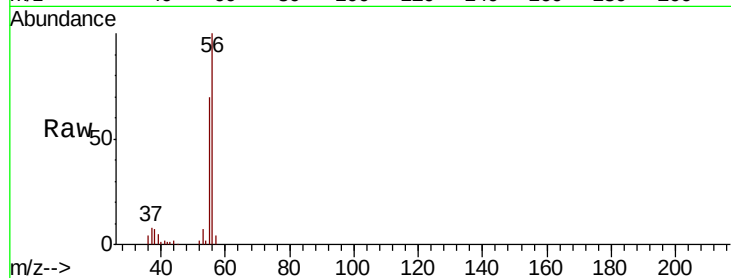
55 71.4 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 45.018 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

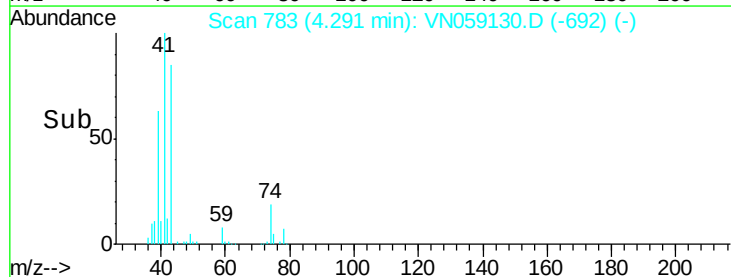
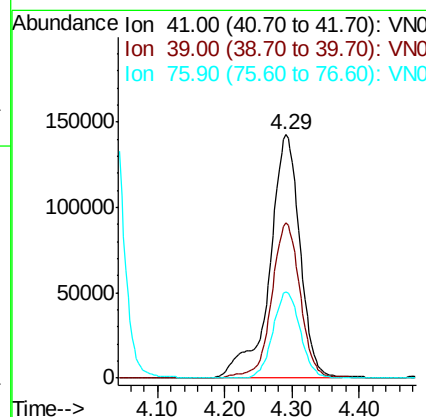
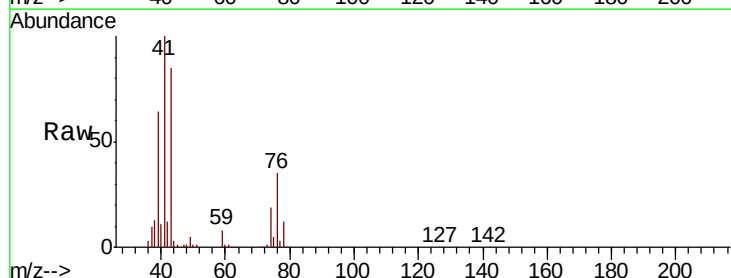
Tgt Ion: 41 Resp: 446691

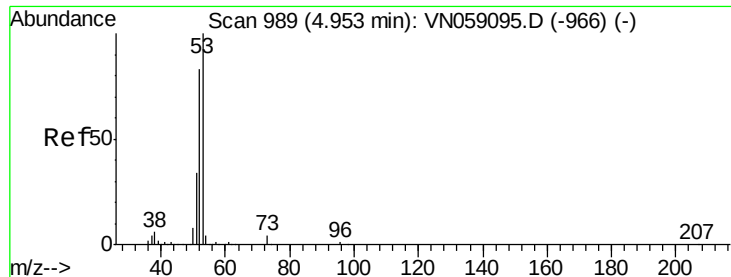
Ion Ratio Lower Upper

41 100

39 59.6 49.1 73.7

76 31.5 24.9 37.3





#15

Acrylonitrile

Concen: 222.547 ug/l

RT: 4.95 min Scan# 987

Delta R.T. -0.01 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

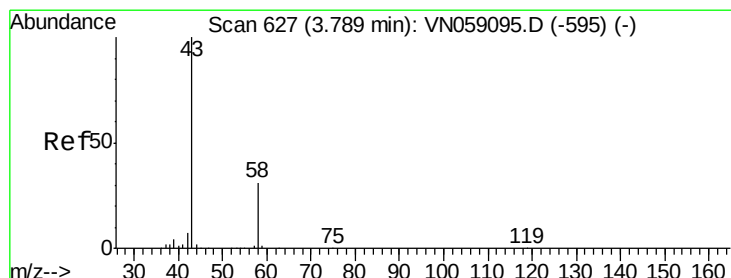
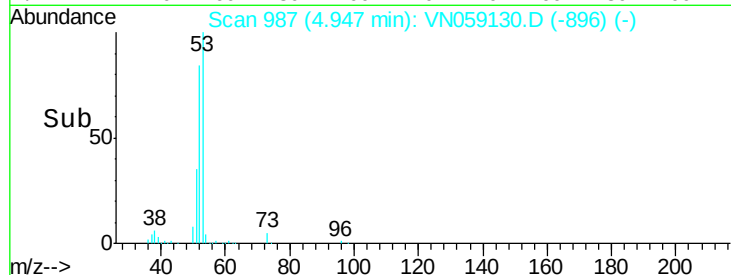
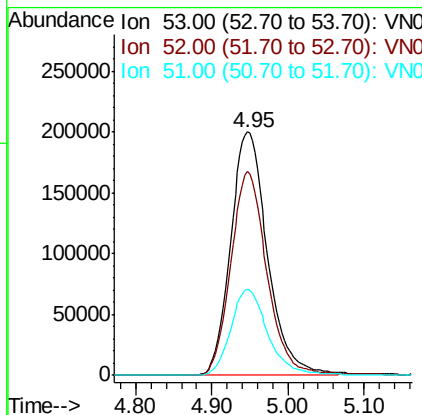
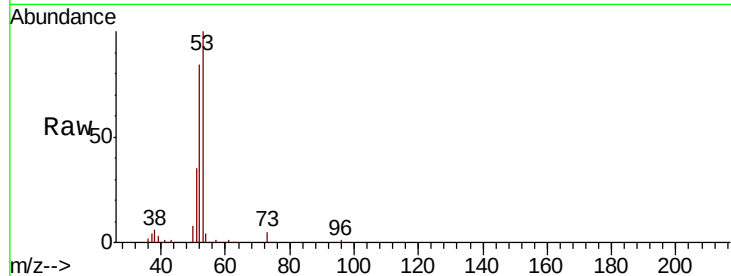
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	671868
Ion Ratio		Lower	Upper
53	100		
52	82.1	65.0	97.6
51	35.8	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 258.889 ug/l

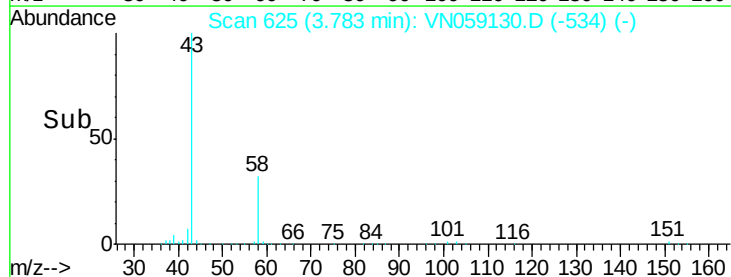
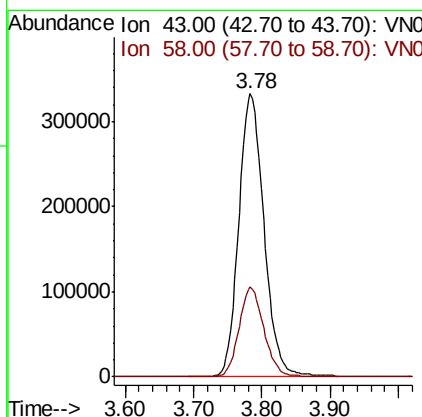
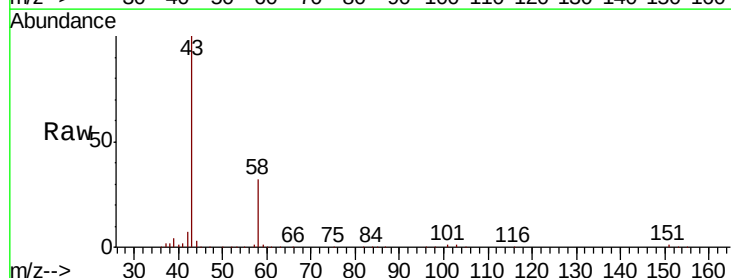
RT: 3.78 min Scan# 625

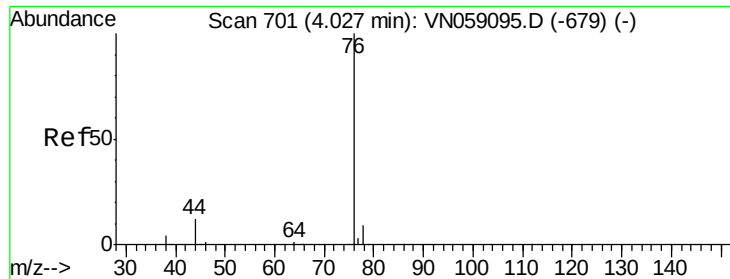
Delta R.T. -0.01 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Tgt Ion:	43	Resp:	856953
Ion Ratio		Lower	Upper
43	100		
58	31.7	24.9	37.3





#17

Carbon Disulfide

Concen: 43.406 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 650865

Ion Ratio Lower Upper

76 100

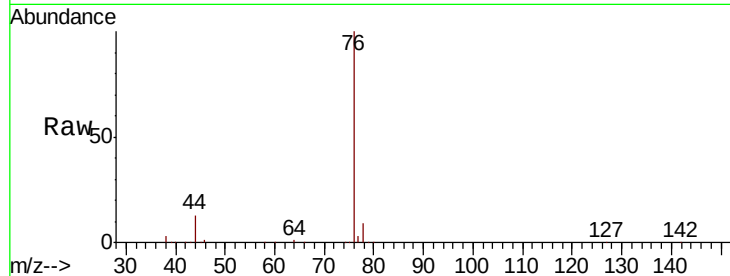
78 9.0 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

250000

200000

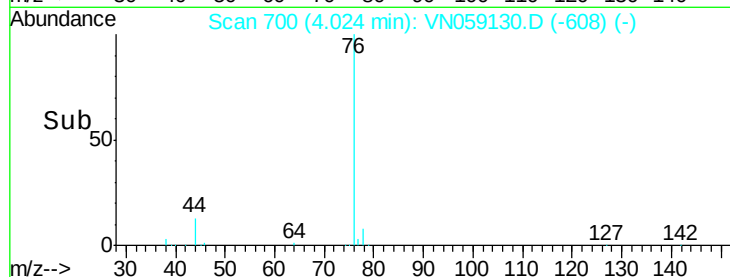
150000

100000

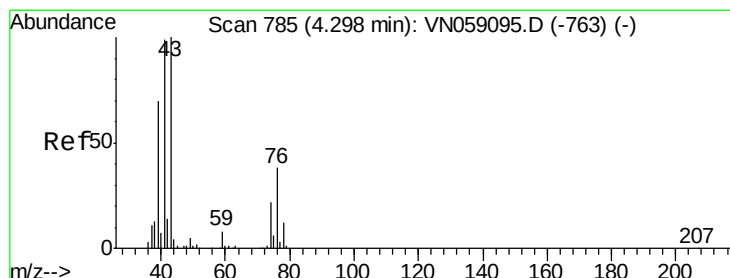
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 43.772 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN059130.D

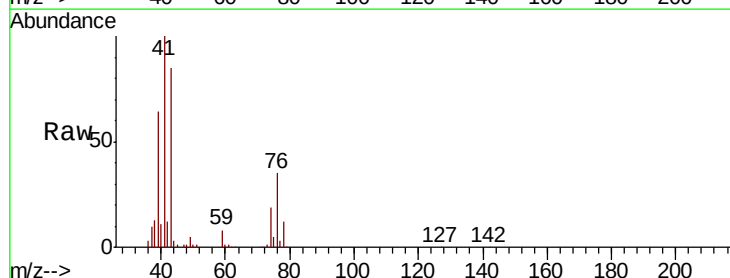
Acq: 8 Nov 2019 8:50

Tgt Ion: 43 Resp: 343912

Ion Ratio Lower Upper

43 100

74 22.1 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

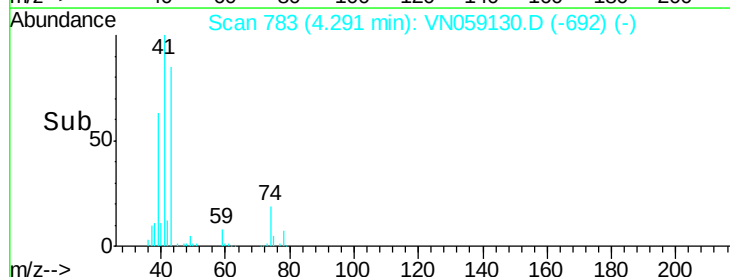
Ion 74.00 (73.70 to 74.70): VN0

100000

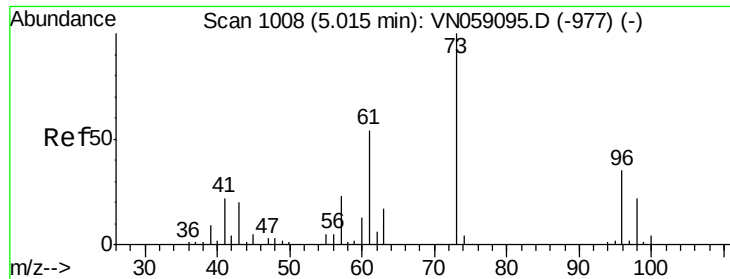
50000

0

Time-->



Time-->



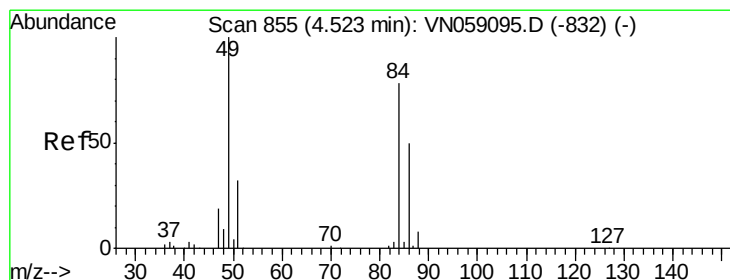
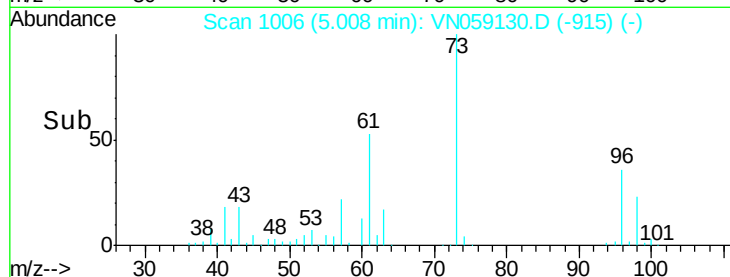
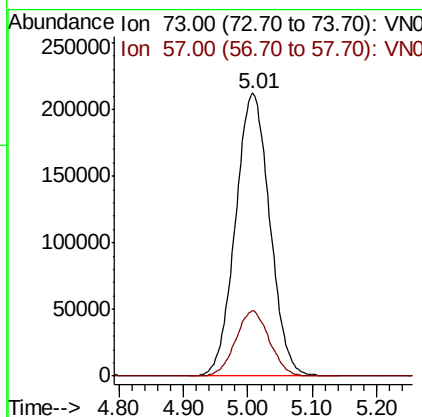
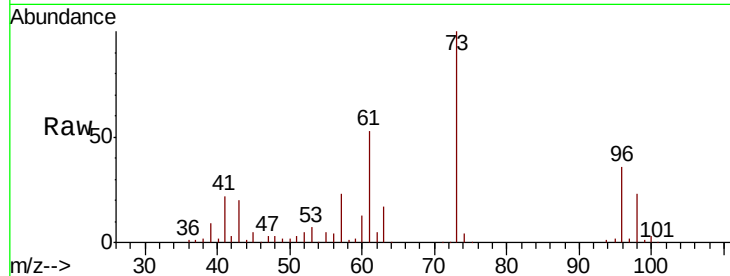
#19
Methyl tert-butyl Ether
Concen: 47.338 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 787259
Ion Ratio Lower Upper
73 100
57 23.1 18.4 27.6

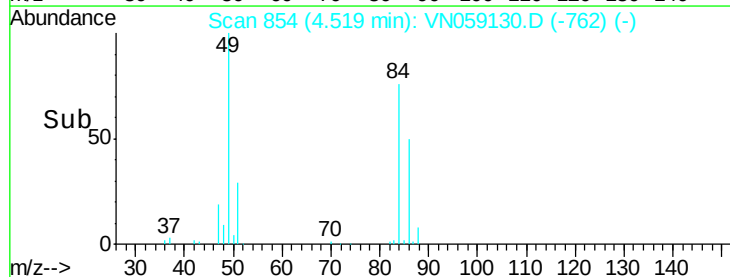
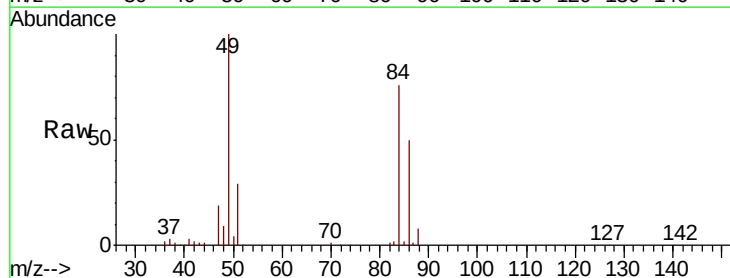
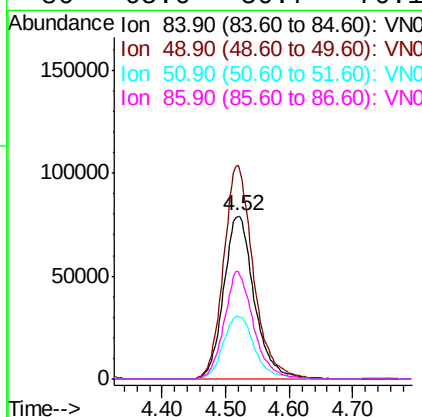
Manual Integrations
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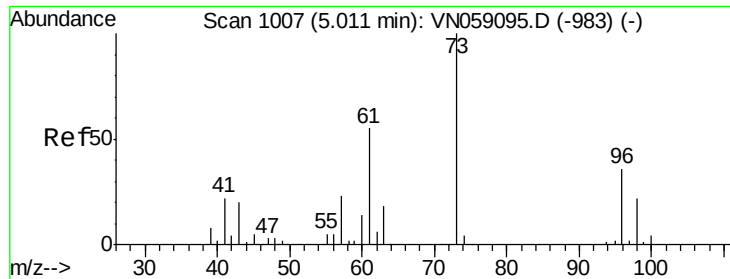
MMDadoda
11/11/2019 10:34:49 AM



#20
Methylene Chloride
Concen: 45.754 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

Tgt Ion: 84 Resp: 263851
Ion Ratio Lower Upper
84 100
49 131.0 102.0 153.0
51 38.4 32.2 48.2
86 65.6 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 46.404 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 240608

Ion Ratio Lower Upper

96 100

61 149.6 122.6 183.8

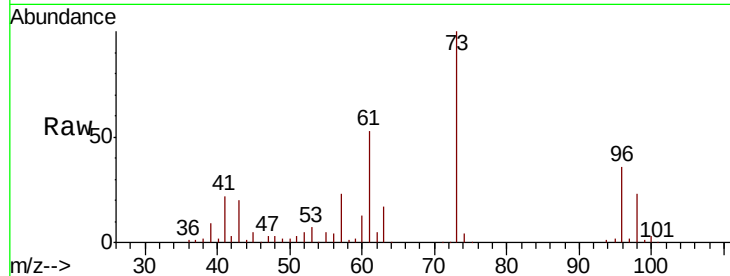
98 63.7 50.3 75.5

Manual Integrations

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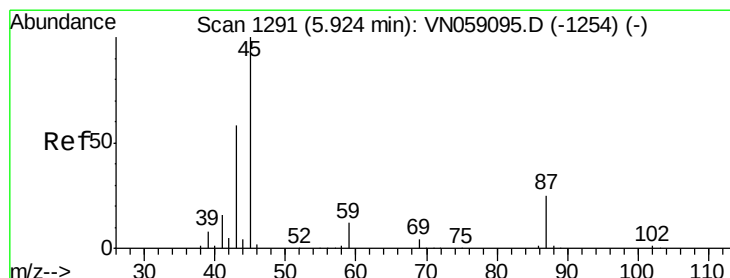
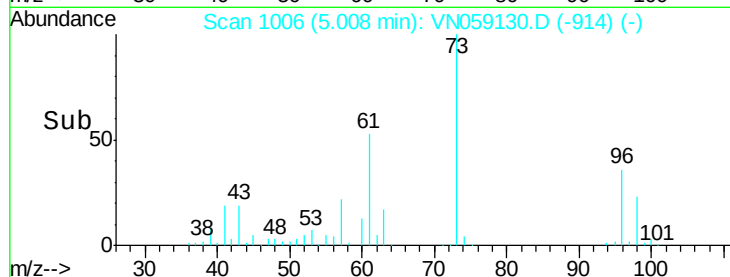
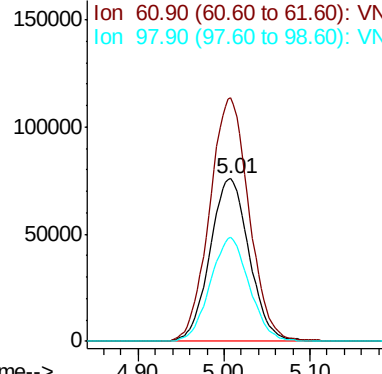


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 47.695 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. -0.01 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Tgt Ion: 45 Resp: 893896

Ion Ratio Lower Upper

45 100

43 58.7 46.7 70.1

87 25.7 20.5 30.7

59 11.5 9.6 14.4

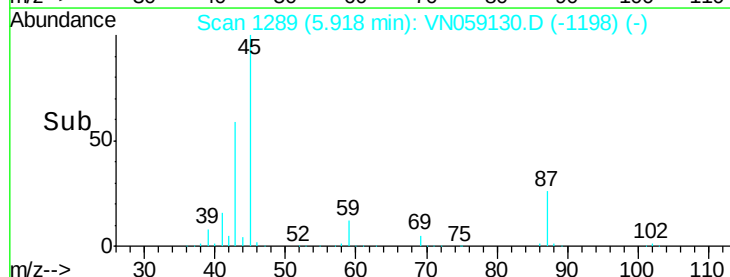
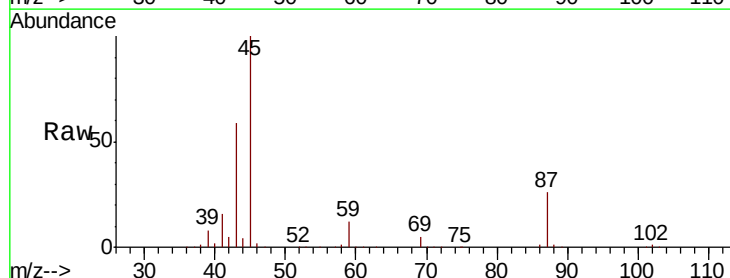
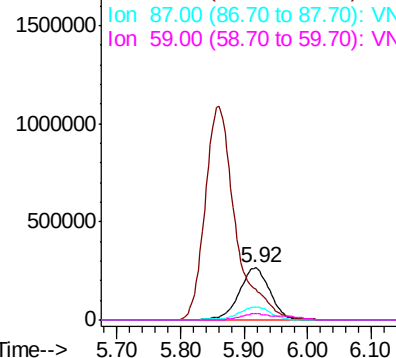
Abundance

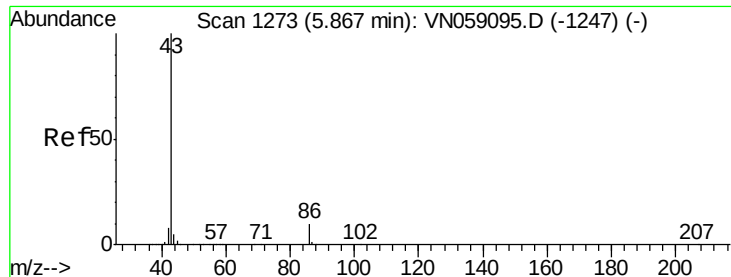
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 249.061 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3617706

Ion Ratio Lower Upper

43 100

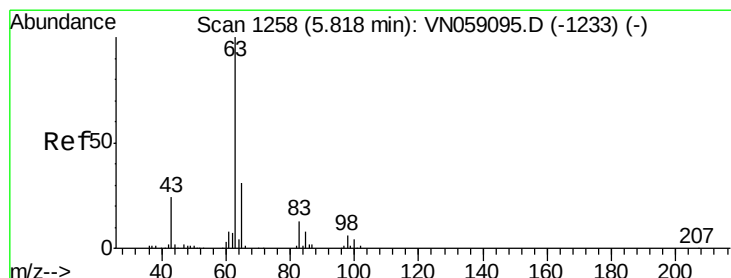
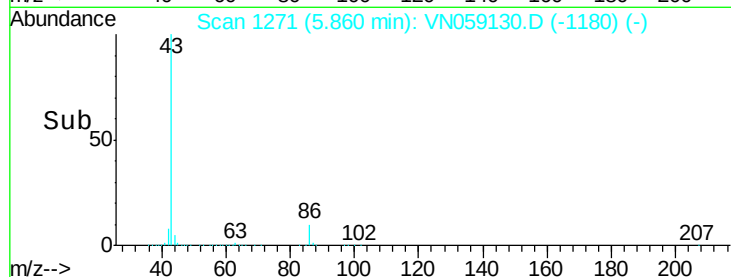
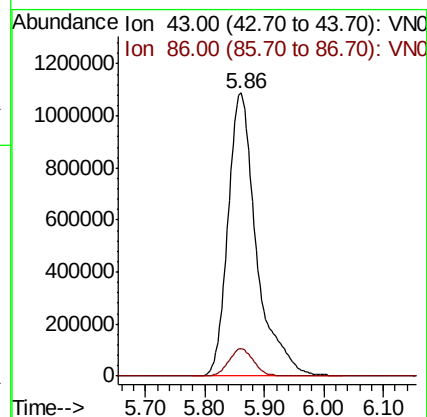
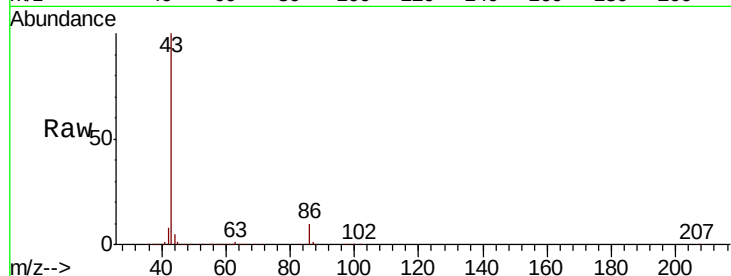
86 9.7 7.7 11.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 46.351 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

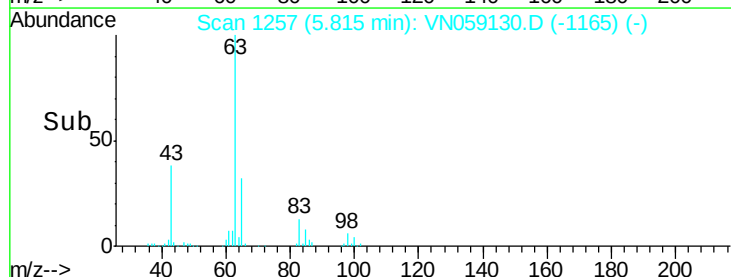
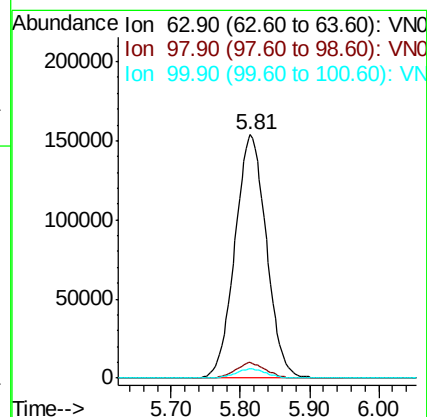
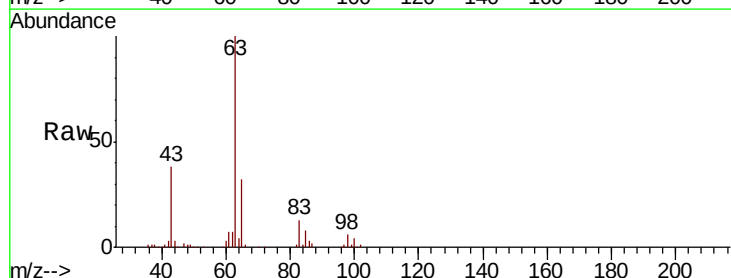
Tgt Ion: 63 Resp: 485196

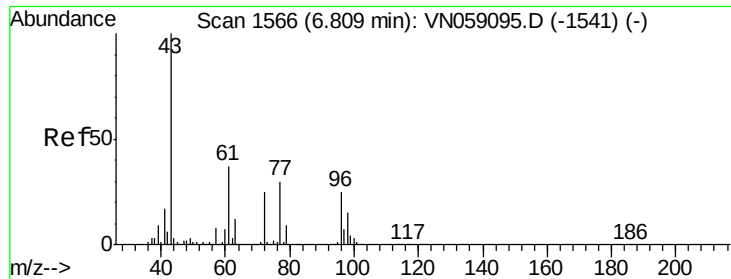
Ion Ratio Lower Upper

63 100

98 6.5 2.8 8.4

100 3.8 1.9 5.7





#25

2-Butanone

Concen: 236.075 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.01 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Tot Ion: 43 Resp: 1029885

Ion Ratio Lower Upper

43 100

72 25.2 20.3 30.5

Instrument :

MSVOA_N

ClientSampleId :

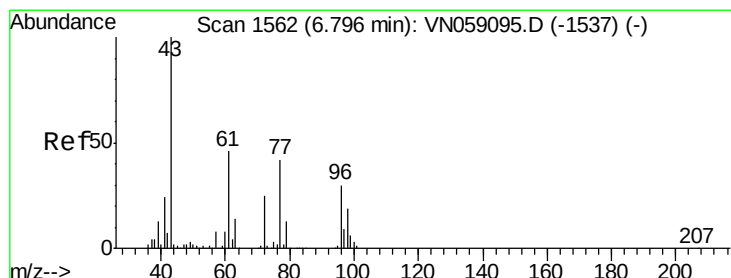
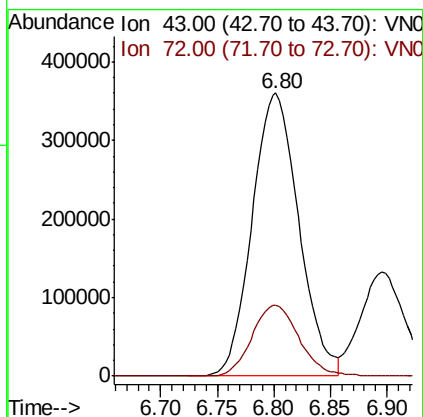
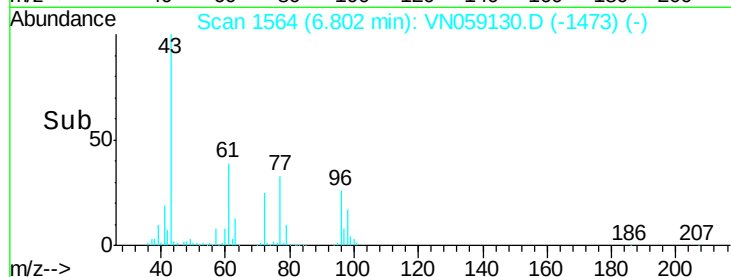
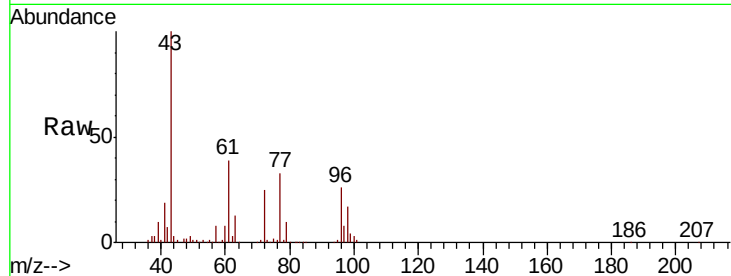
VSTDCCC050

Manual Integrations

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11/11/2019 10:34:49 AM



#26

2,2-Dichloropropane

Concen: 45.899 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN059130.D

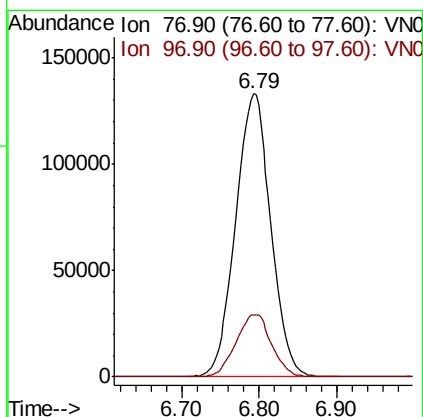
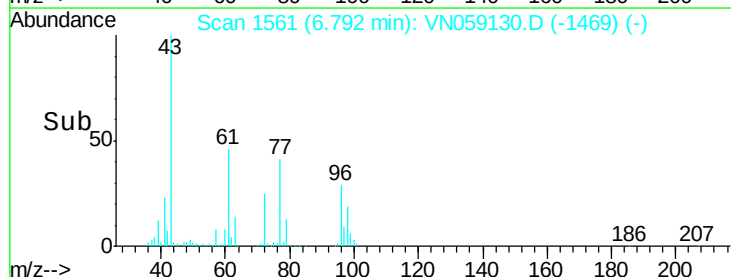
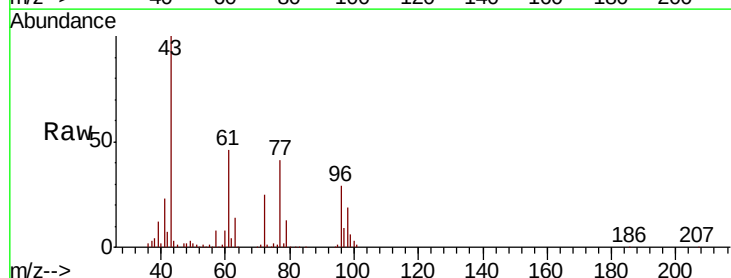
Acq: 8 Nov 2019 8:50

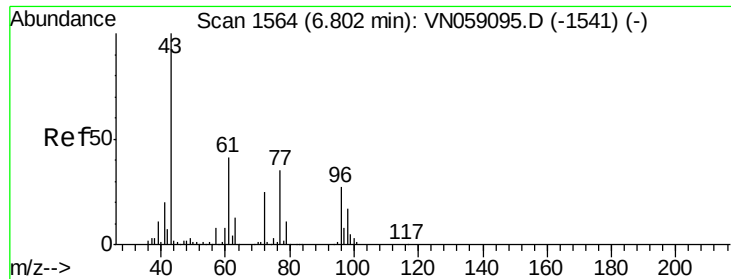
Tgt Ion: 77 Resp: 420127

Ion Ratio Lower Upper

77 100

97 22.3 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 46.640 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

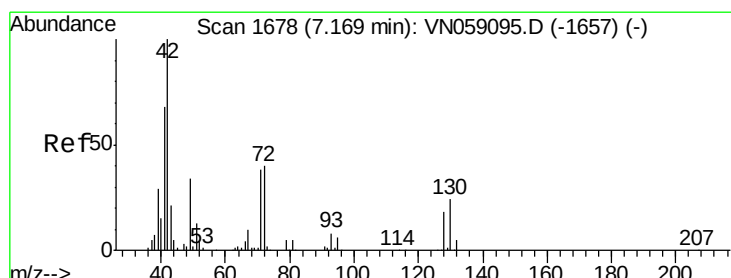
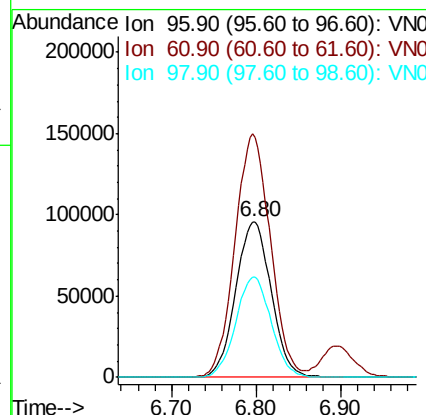
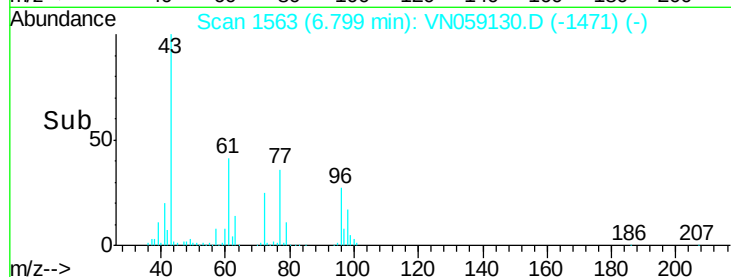
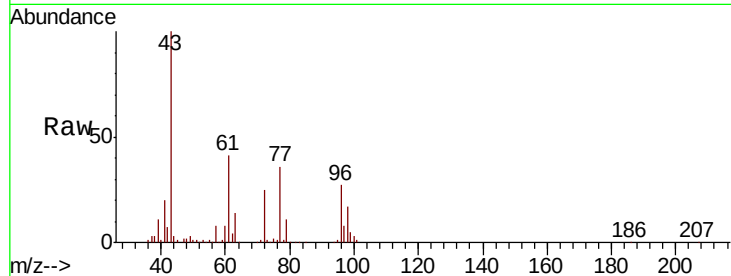
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	280562		
61	156.3		0.0	311.6
98	64.4		0.0	129.8

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#28

Bromochloromethane

Concen: 44.971 ug/l

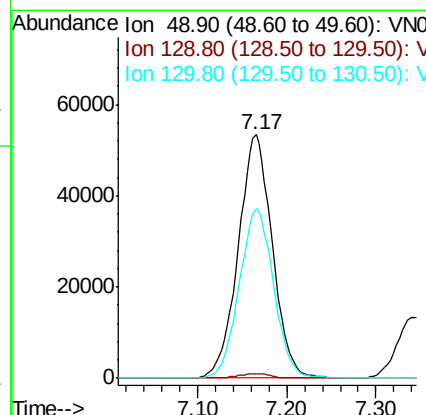
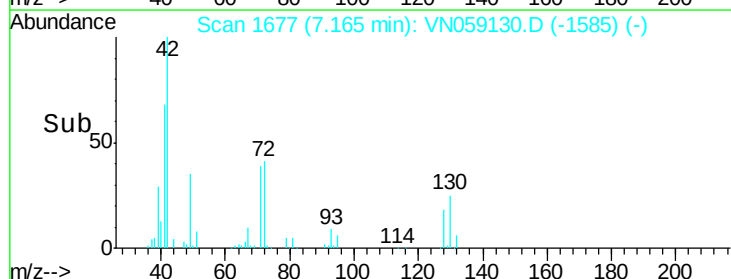
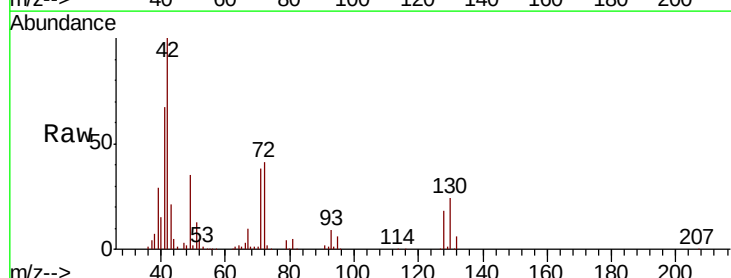
RT: 7.17 min Scan# 1677

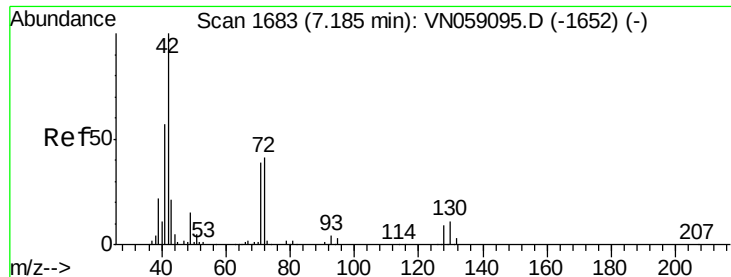
Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	141628		
129	1.6		0.0	3.8
130	70.2		55.6	83.4





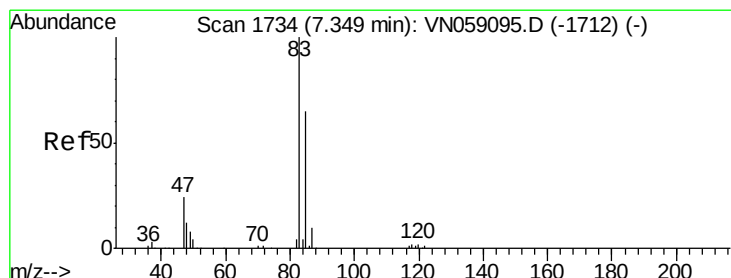
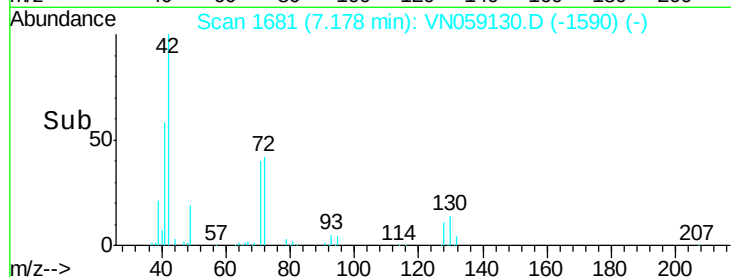
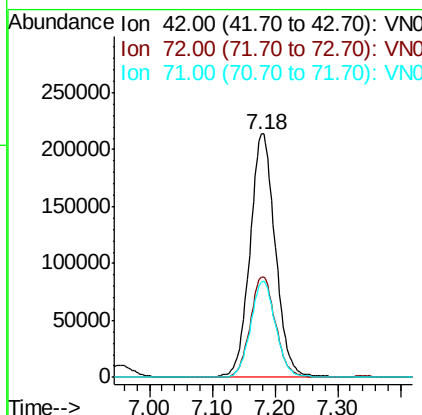
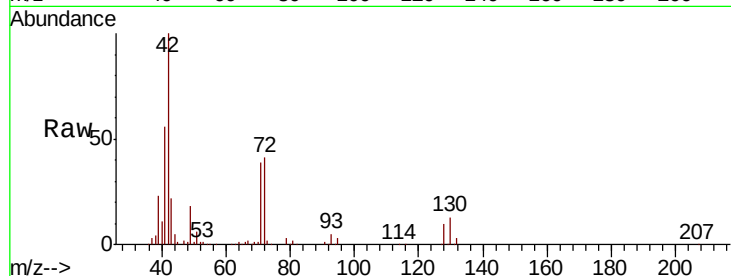
#29
Tetrahydrofuran
Concen: 216.087 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.01 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.8	33.1	49.7
71	39.1	30.9	46.3

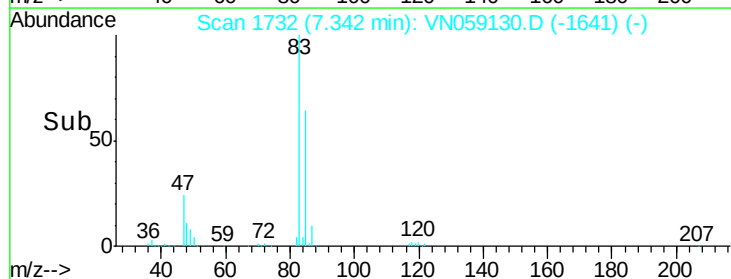
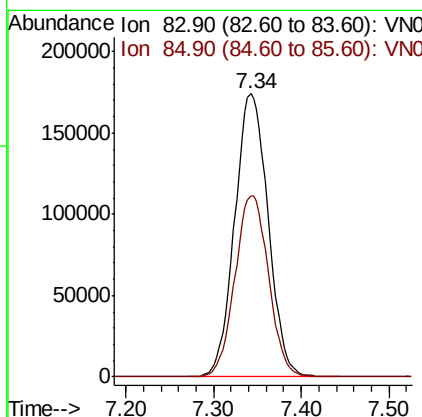
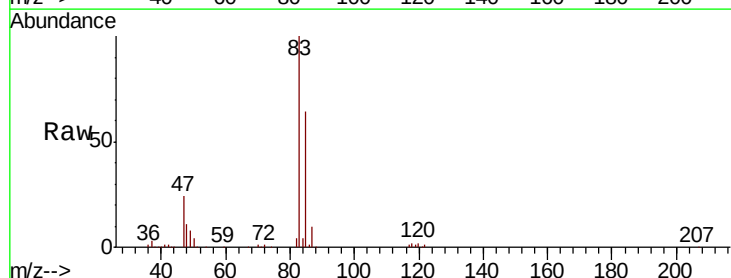
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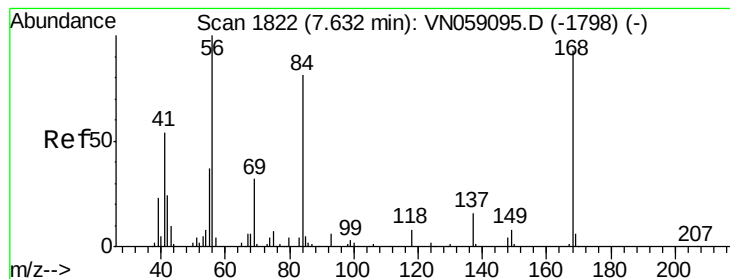
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#30
Chloroform
Concen: 45.975 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.01 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.8	77.8





#31

Cyclohexane

Concen: 44.028 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

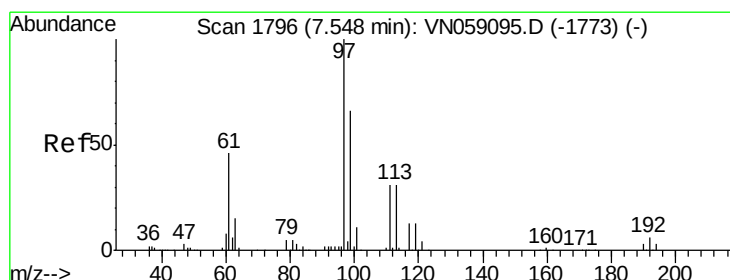
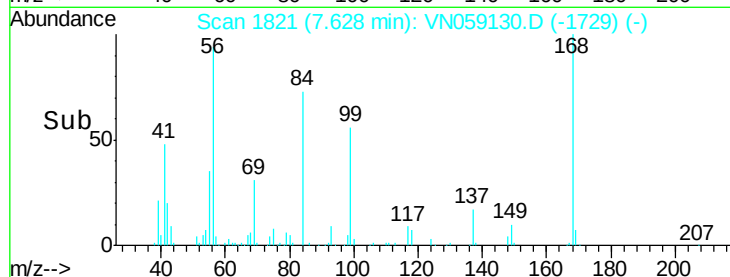
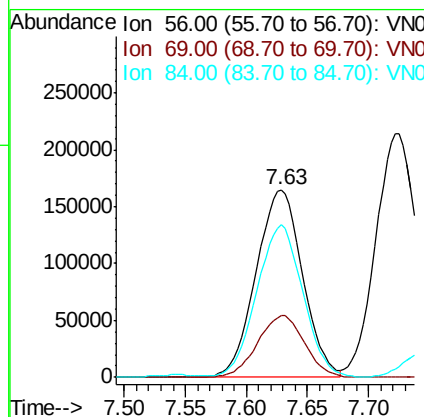
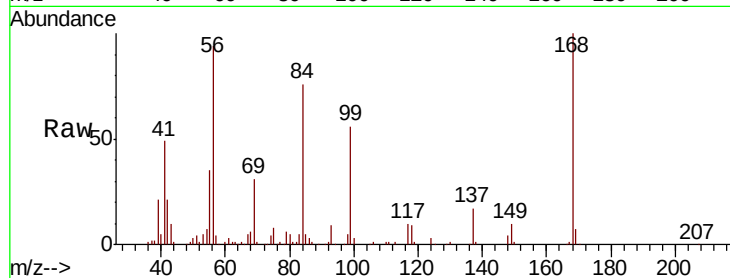
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	436302
Ion Ratio		Lower	Upper
56	100		
69	32.9	25.8	38.8
84	80.3	65.0	97.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 46.762 ug/l

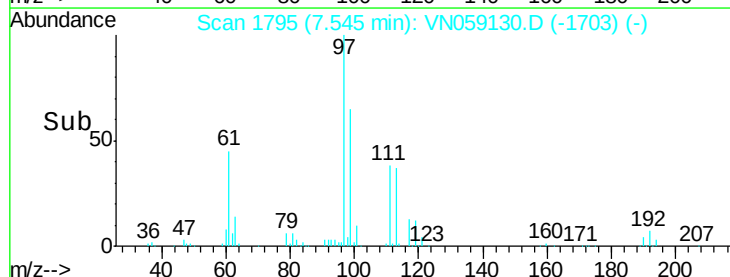
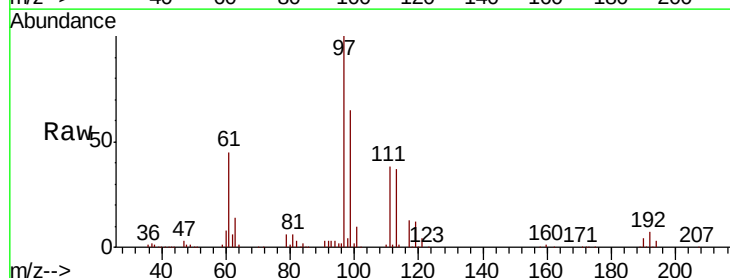
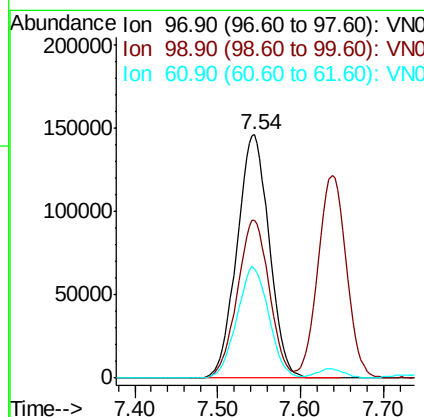
RT: 7.54 min Scan# 1795

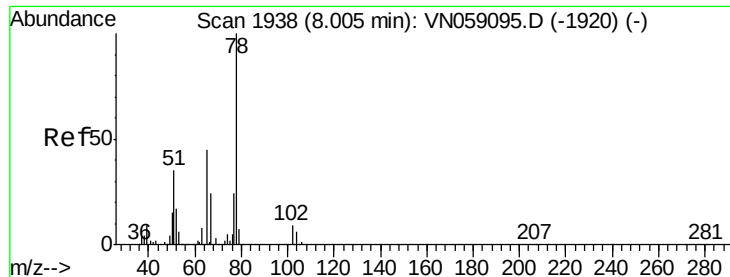
Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Tgt Ion:	97	Resp:	394790
Ion Ratio		Lower	Upper
97	100		
99	64.7	51.0	76.6
61	45.2	35.8	53.8





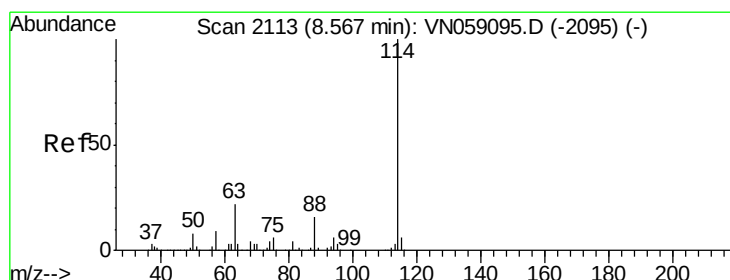
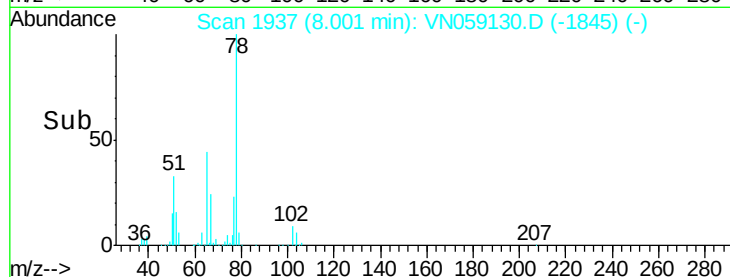
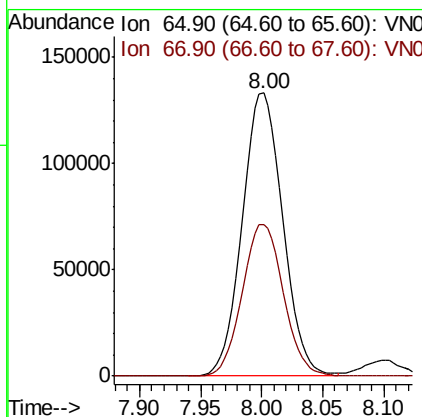
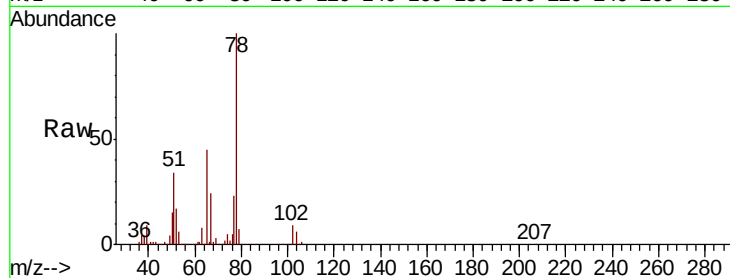
#33
 1,2-Dichloroethane-d4
 Concen: 48.107 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059130.D
 Acq: 8 Nov 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.4	0.0	107.4	

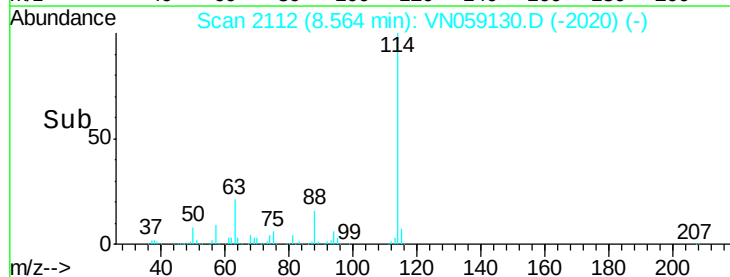
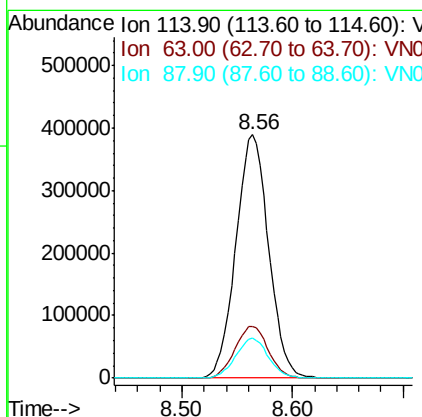
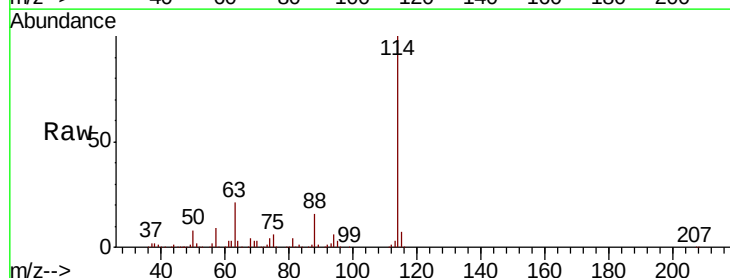
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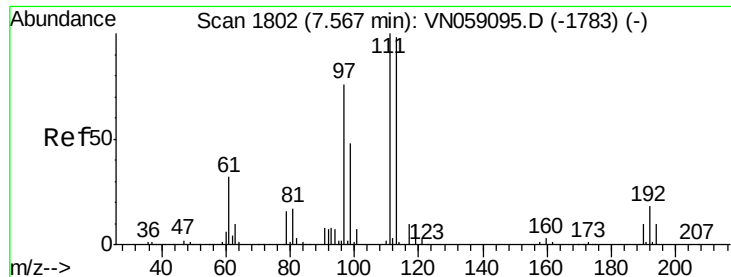
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 11/11/2019 10:34:49 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059130.D
 Acq: 8 Nov 2019 8:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.3	0.0	43.4	
88	16.3	0.0	32.2	





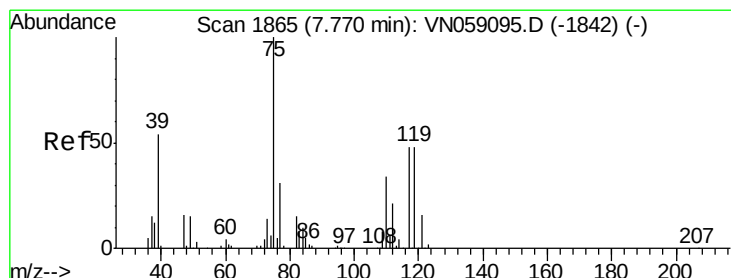
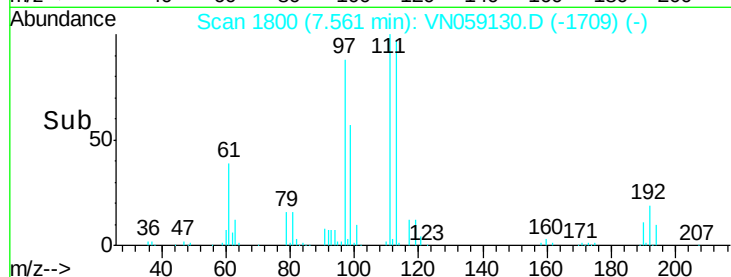
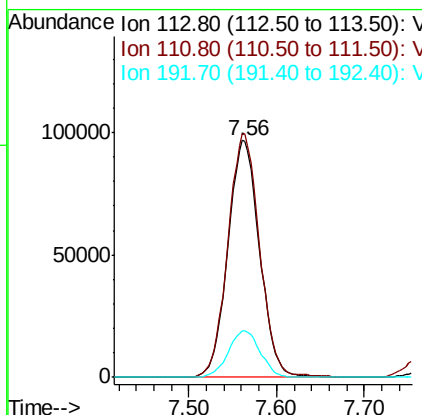
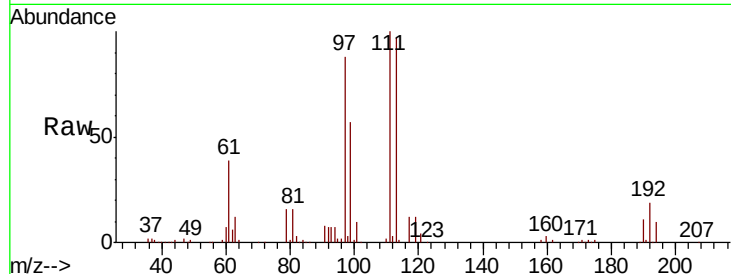
#35
Dibromofluoromethane
Concen: 50.834 ug/l
RT: 7.56 min Scan# 1800
Delta R.T. -0.01 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	242760		
111	103.2	82.8	124.2	
192	19.8	16.1	24.1	

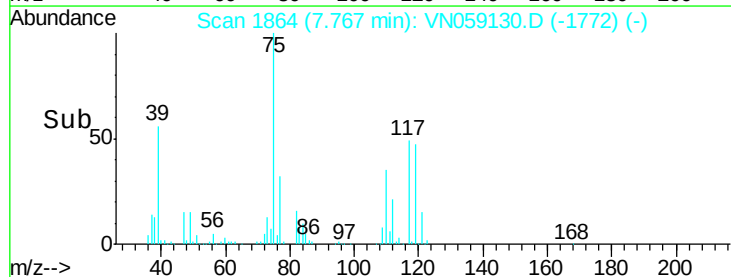
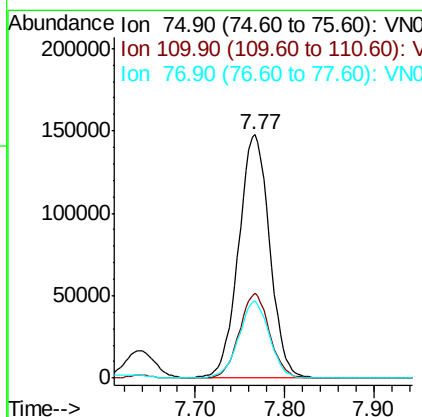
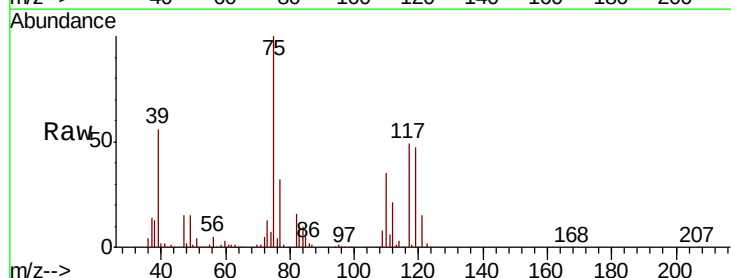
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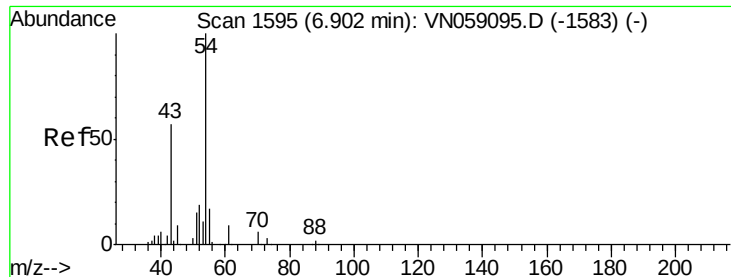
MMDadoda
11/11/2019 10:34:49 AM



#36
1,1-Dichloropropene
Concen: 47.654 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	356250		
110	34.0	17.1	51.2	
77	31.3	24.8	37.2	





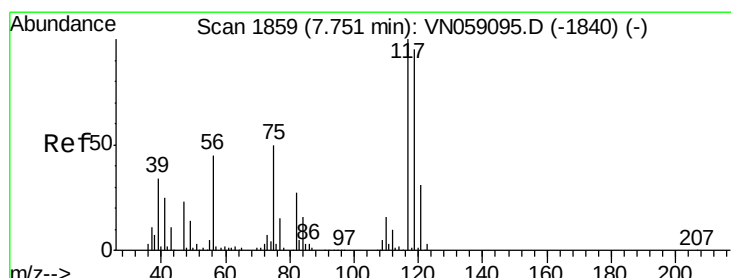
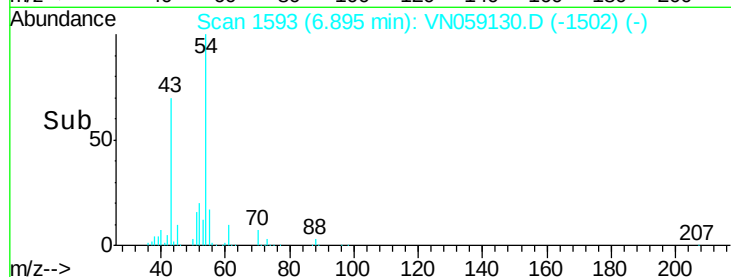
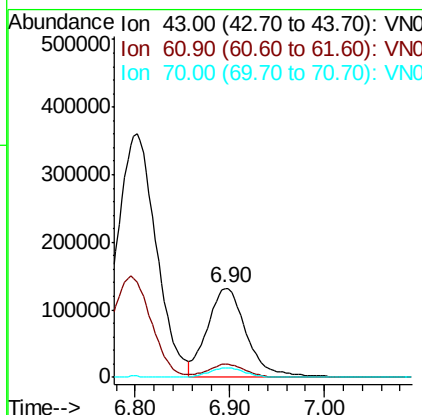
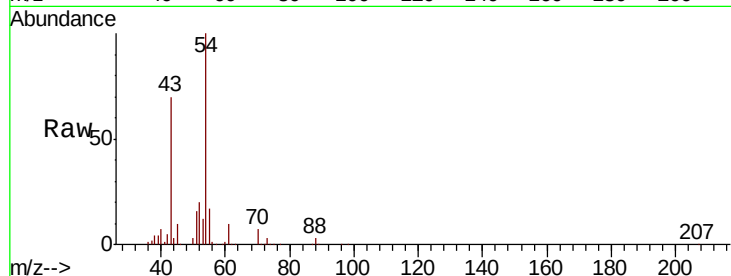
#37
Ethyl Acetate
Concen: 44.573 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.01 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.2	16.8
70	9.9	7.8	11.8

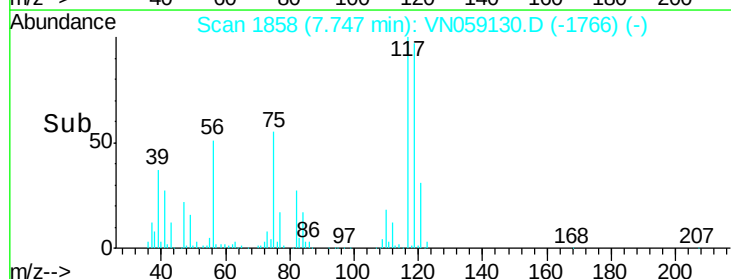
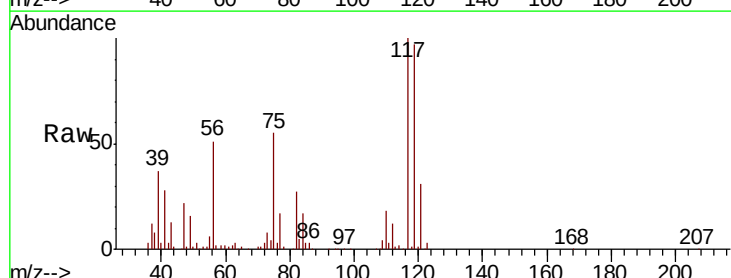
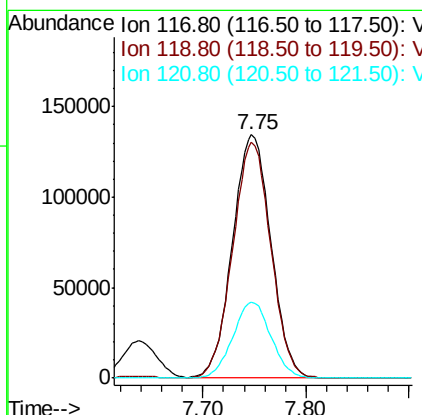
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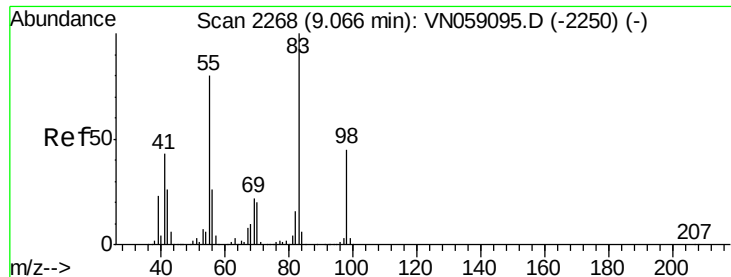
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#38
Carbon Tetrachloride
Concen: 46.679 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	75.6	113.4
121	31.2	24.6	36.8





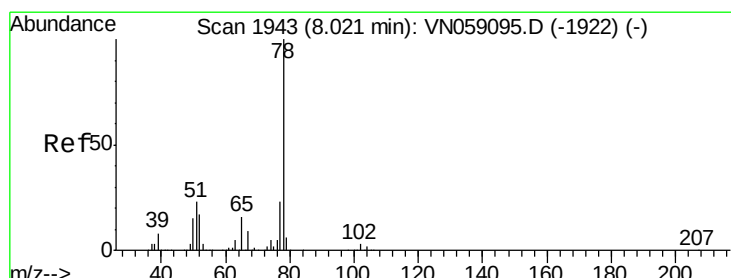
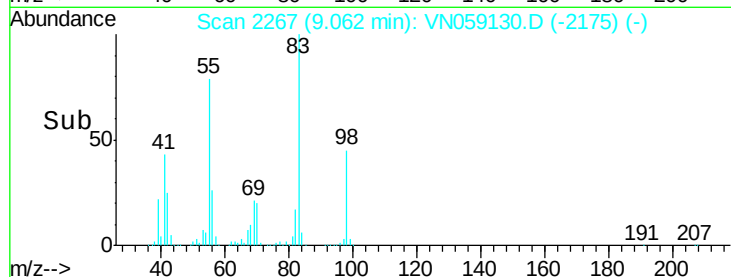
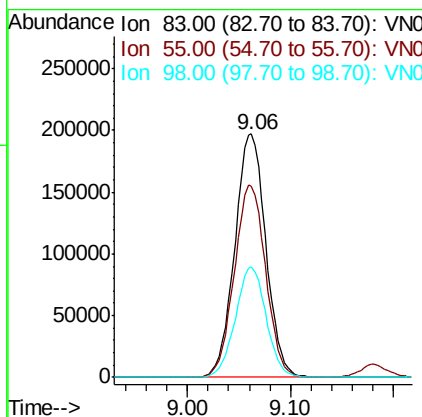
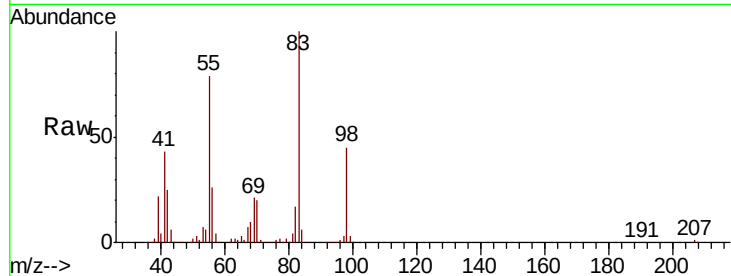
#39
Methylvlcyclohexane
Concen: 47.613 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83.00	Resp	413100
Ion Ratio	Lower	Upper	
83	100		
55	78.7	63.9	95.9
98	45.3	35.6	53.4

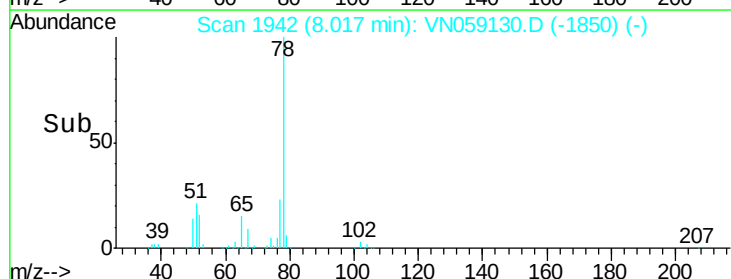
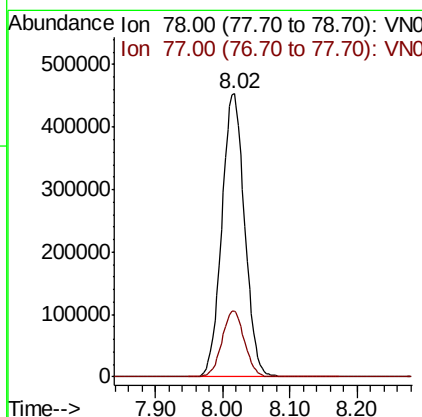
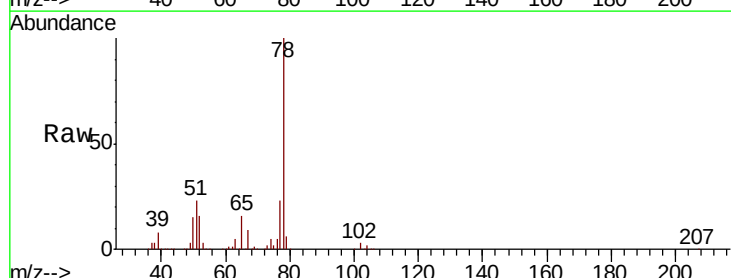
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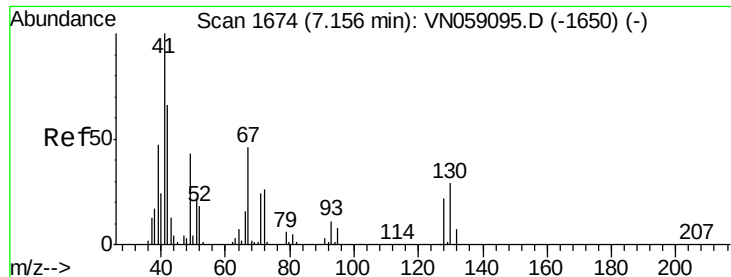
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#40
Benzene
Concen: 47.687 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

Tgt Ion	78.00	Resp	1073531
Ion Ratio	Lower	Upper	
78	100		
77	23.3	18.8	28.2





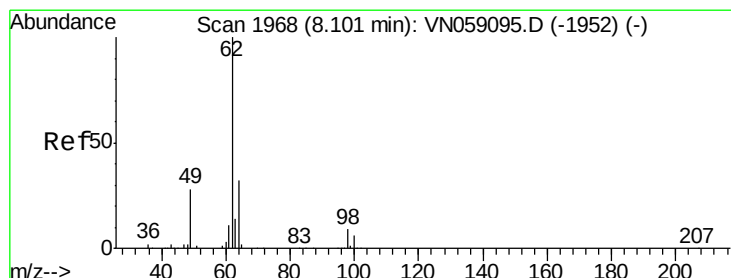
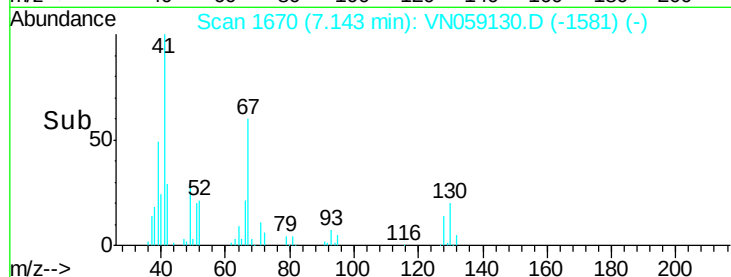
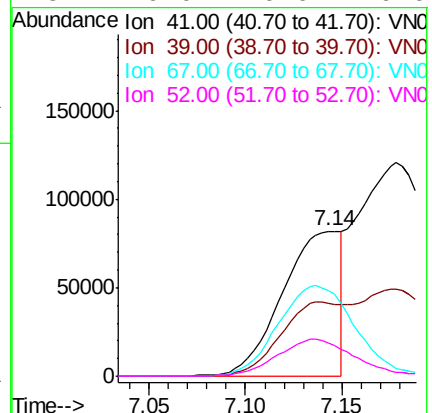
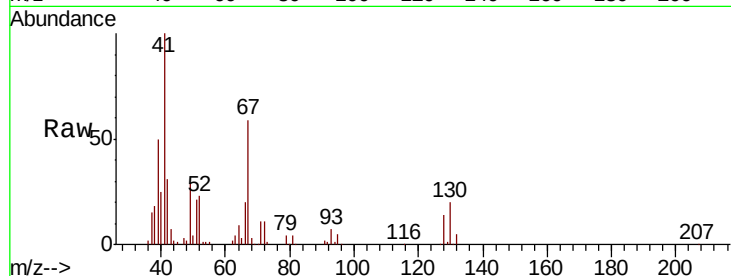
#41
Methacrylonitrile
Concen: 47.662 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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

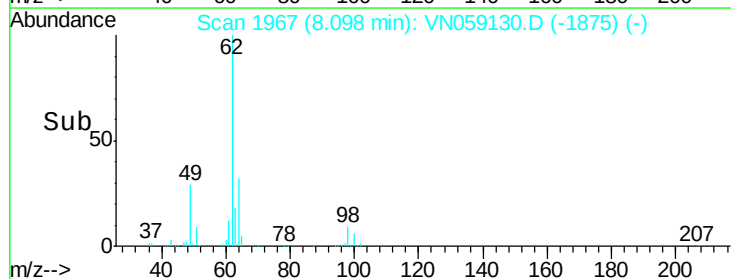
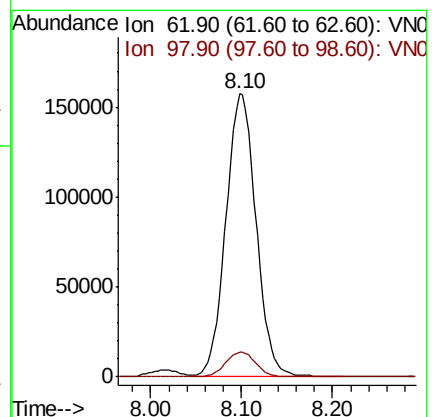
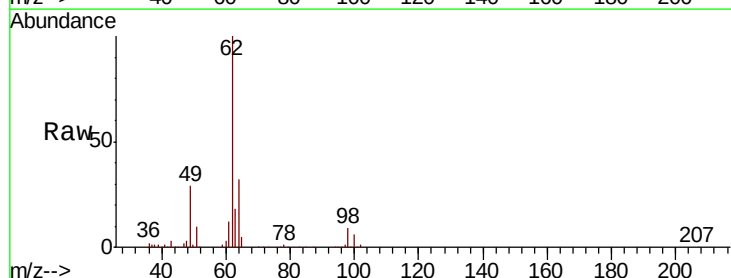
Manual Integrations
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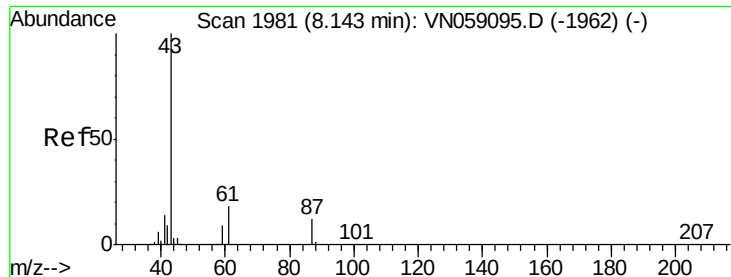
MMDadoda
11/11/2019 10:34:49 AM



#42
1,2-Dichloroethane
Concen: 46.898 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.8





#43

Isopropyl Acetate

Concen: 45.484 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

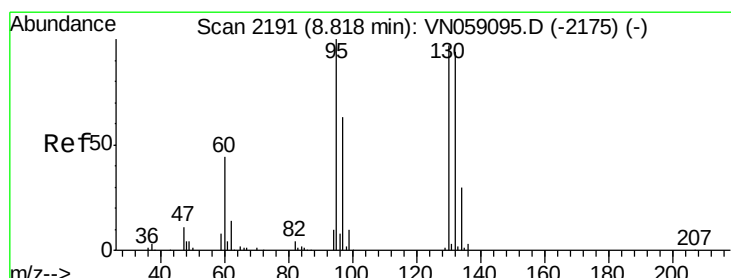
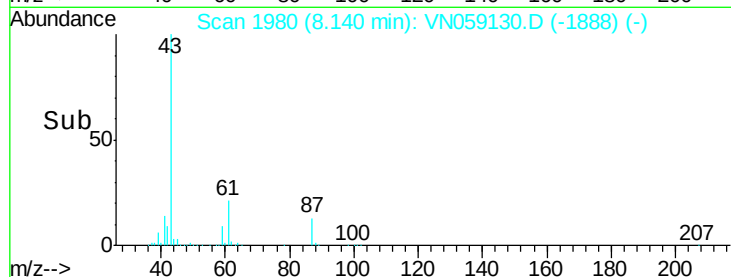
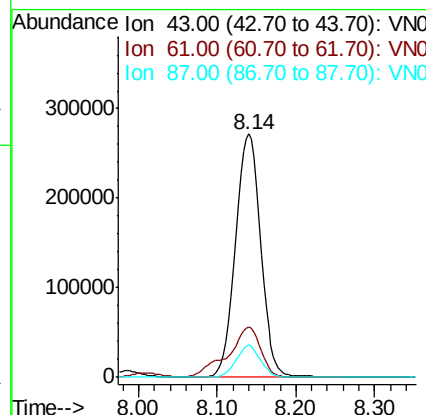
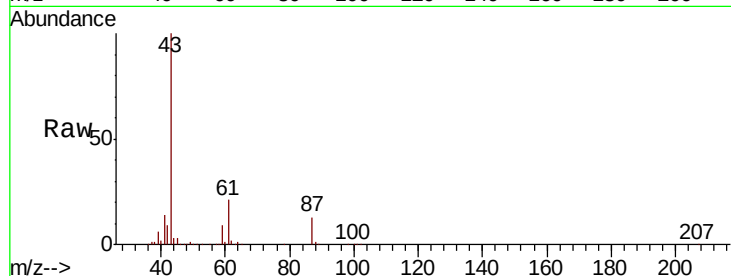
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	603060
Ion	Ratio	Lower	Upper
43	100		
61	26.6	21.0	31.6
87	12.7	9.8	14.6

Manual Integrations
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#44

Trichloroethene

Concen: 48.158 ug/l

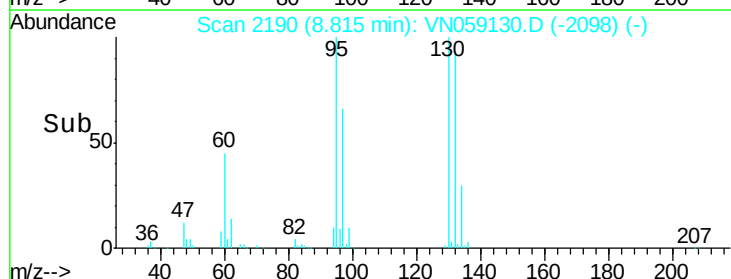
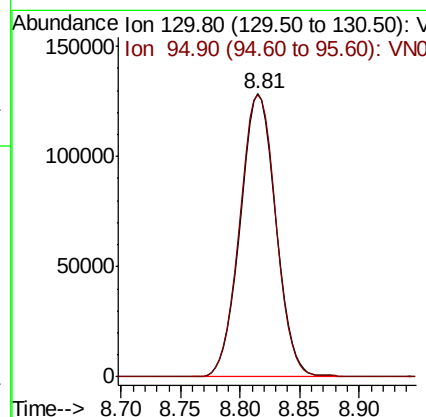
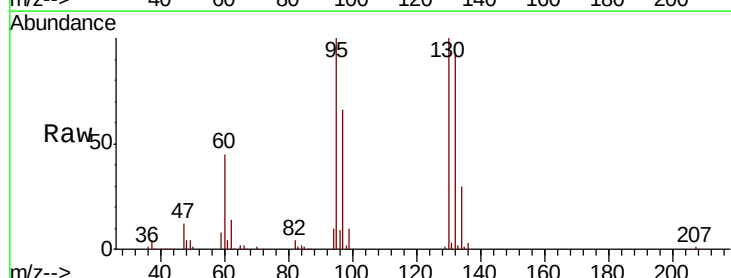
RT: 8.81 min Scan# 2190

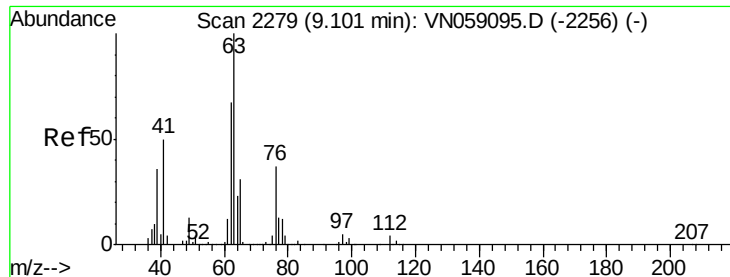
Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Tgt Ion:	130	Resp:	266500
Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	206.4





#45

1,2-Dichloropropane

Concen: 47.957 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 293239

Ion Ratio Lower Upper

63 100

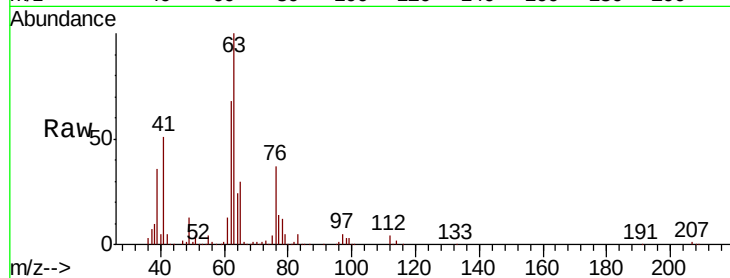
65 30.4 24.6 37.0

Manual Integrations

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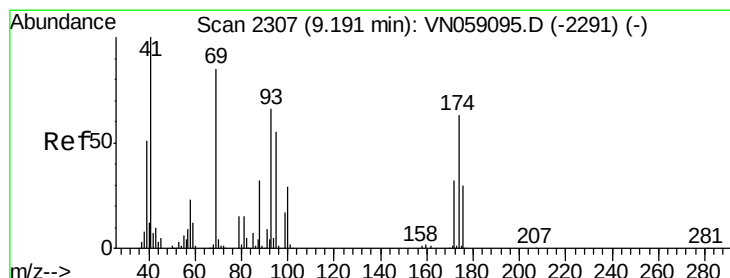
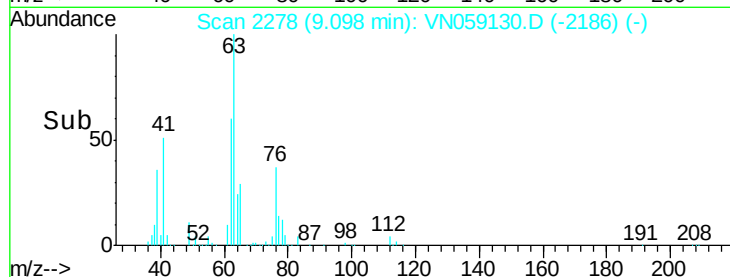
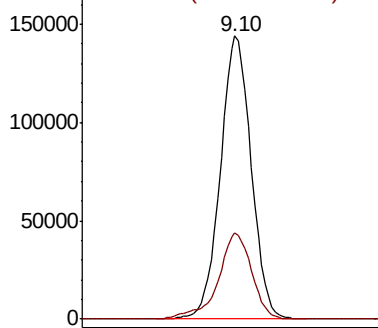
MMDadoda

11/11/2019 10:34:49 AM



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 46.245 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

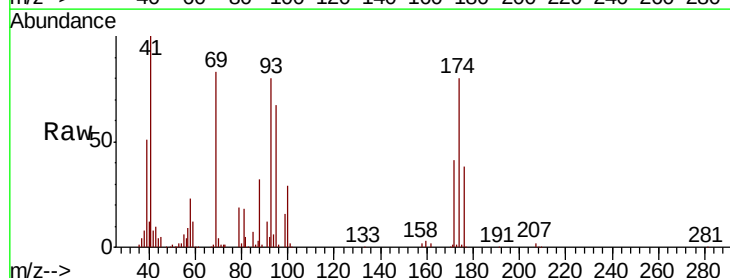
Tgt Ion: 93 Resp: 176209

Ion Ratio Lower Upper

93 100

95 83.1 66.6 100.0

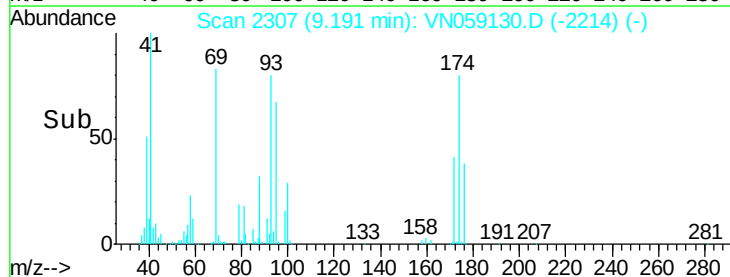
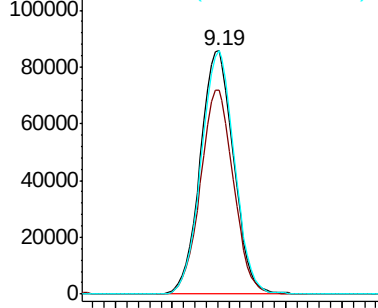
174 99.2 78.2 117.2

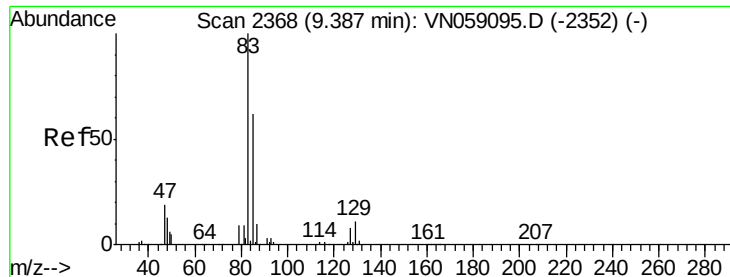


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





#47

Bromodichloromethane

Concen: 48.482 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

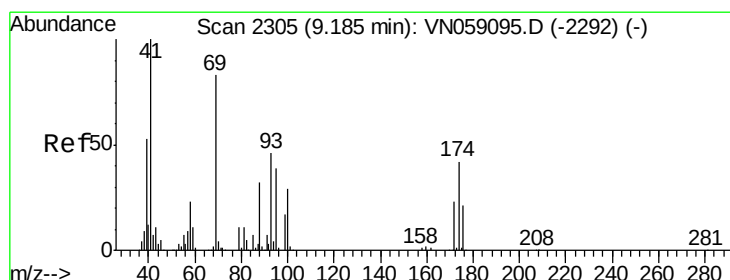
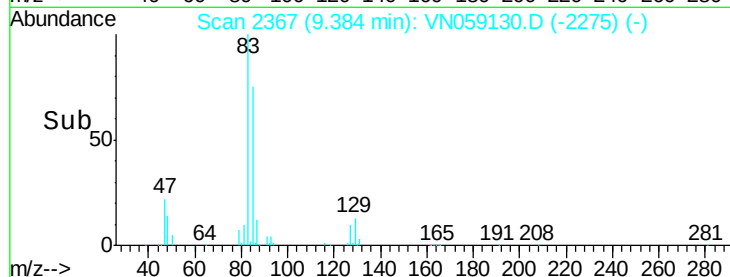
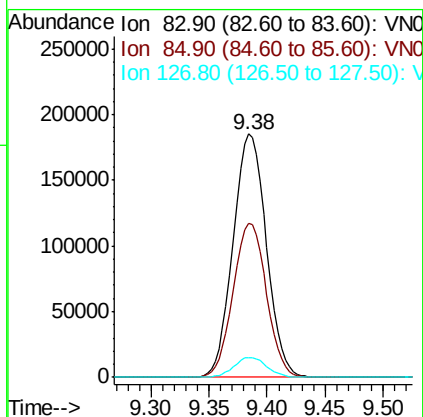
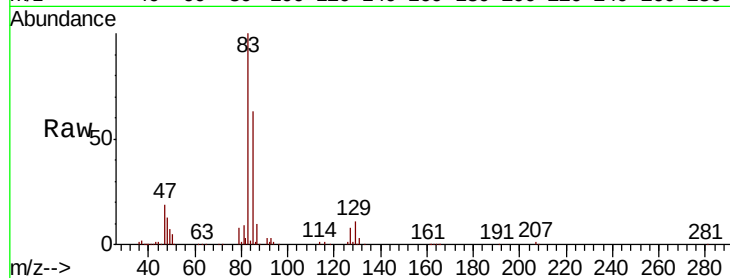
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	368881
Ion Ratio	Lower	Upper	
83	100		
85	63.4	49.7	74.5
127	8.2	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 46.467 ug/l

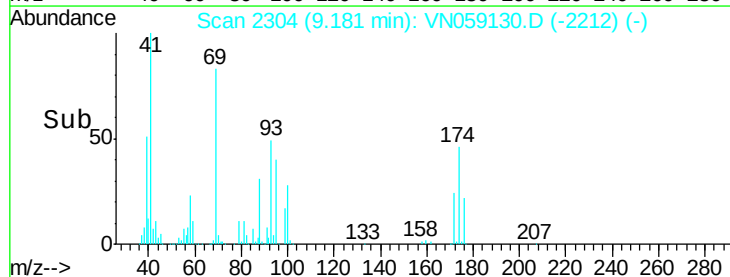
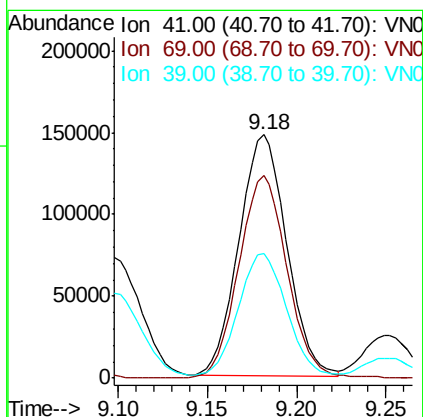
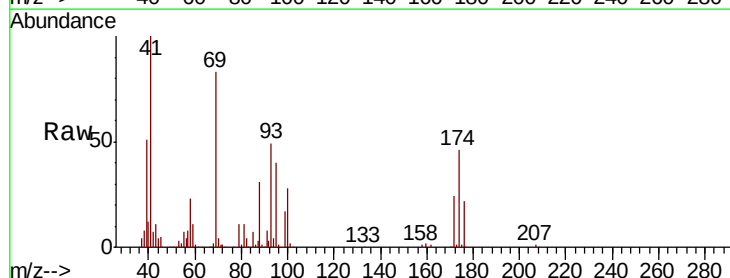
RT: 9.18 min Scan# 2304

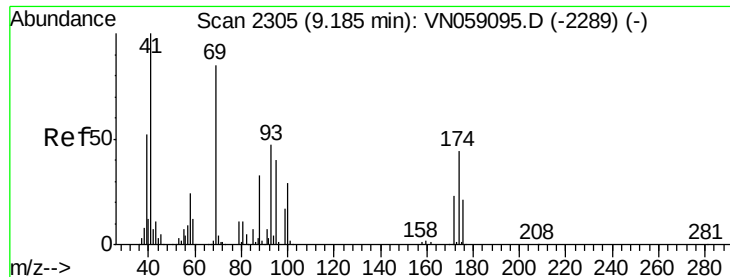
Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Tgt Ion:	41	Resp:	275577
Ion Ratio	Lower	Upper	
41	100		
69	85.6	67.3	100.9
39	52.6	43.3	64.9





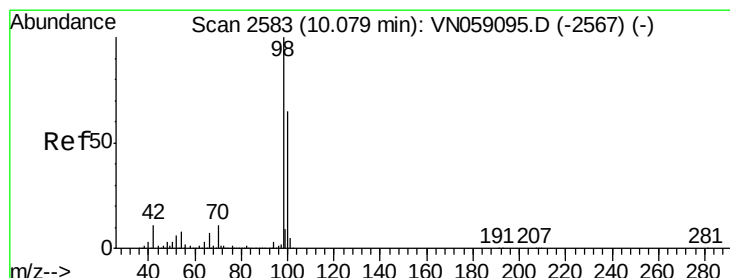
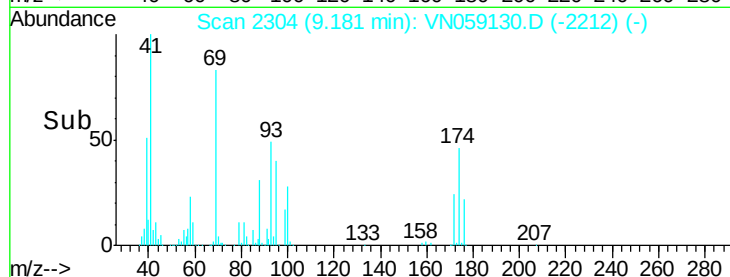
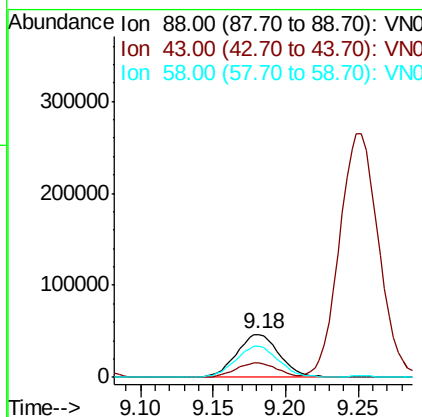
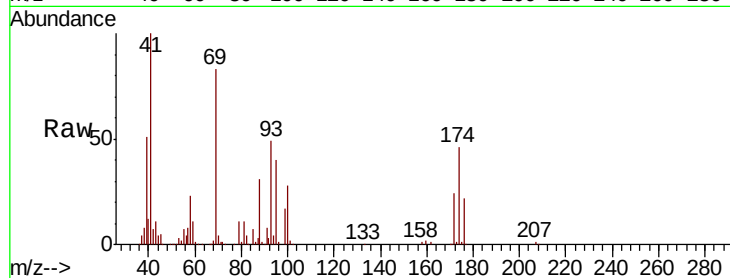
#49
1,4-Dioxane
Concen: 912.985 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.1	26.3	39.5
58	73.0	60.6	90.8

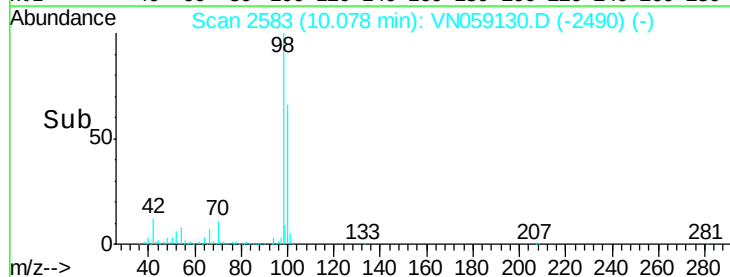
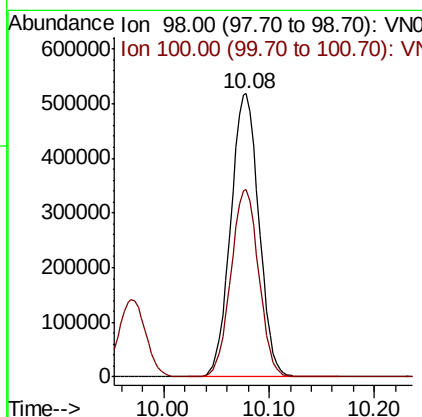
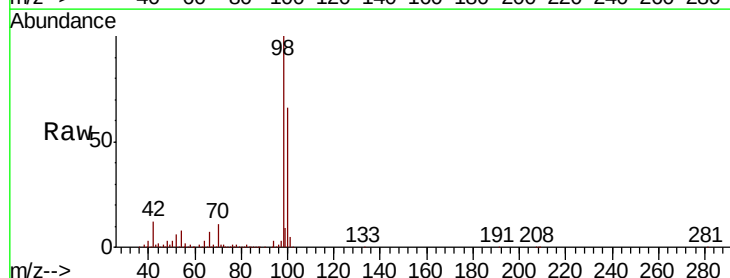
Manual Integrations
APPROVED

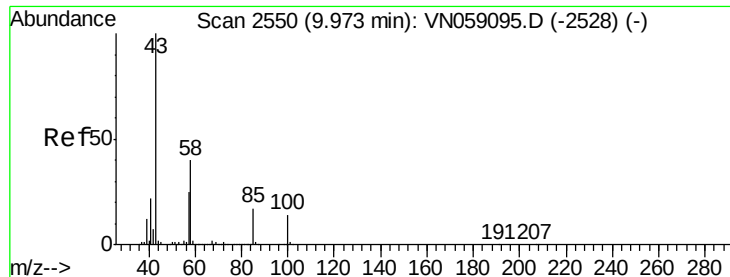
MMDadoda
11/11/2019 10:34:49 AM



#50
Toluene-d8
Concen: 50.799 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 244.163 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1831734

Ion Ratio Lower Upper

43 100

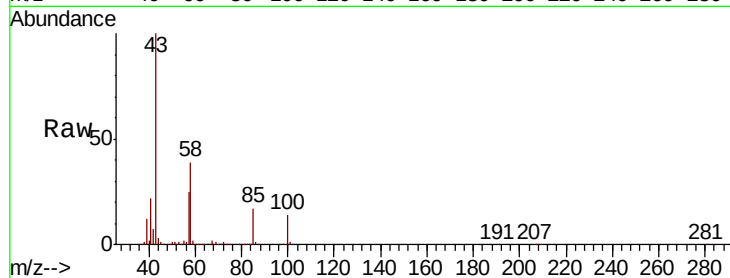
58 39.2 31.5 47.3

Manual Integrations

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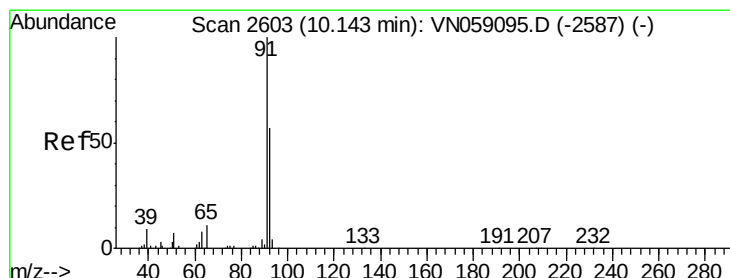
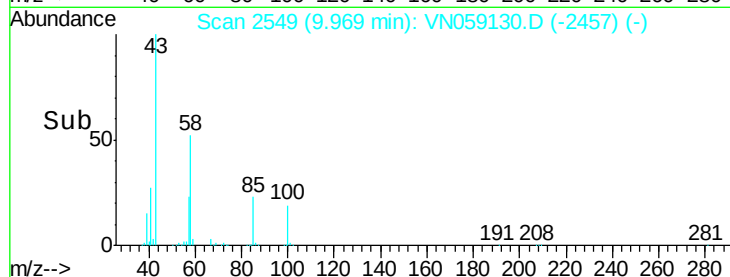
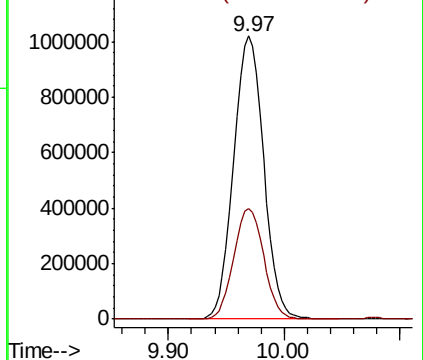
MMDadoda

11/11/2019 10:34:49 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 48.582 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059130.D

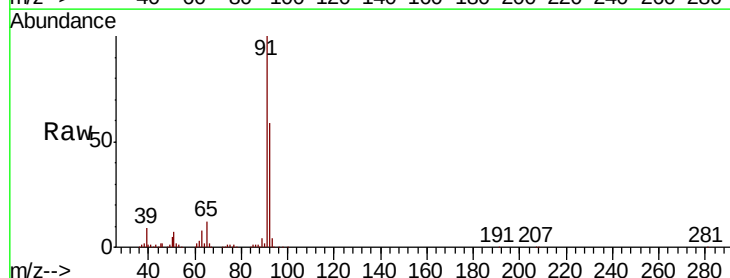
Acq: 8 Nov 2019 8:50

Tgt Ion: 92 Resp: 655516

Ion Ratio Lower Upper

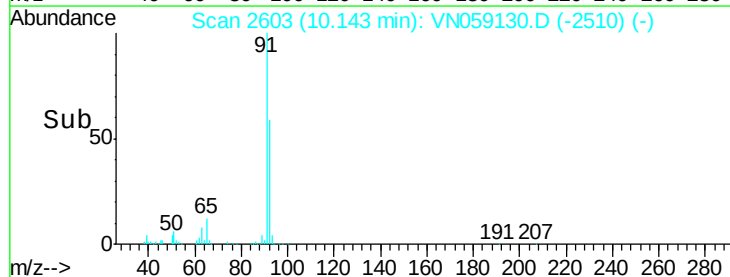
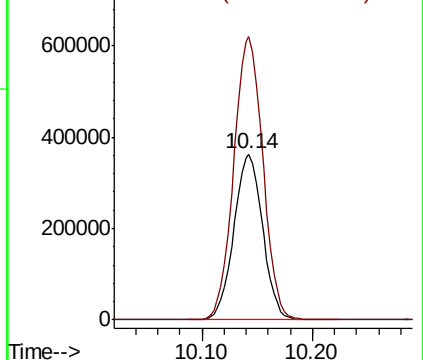
92 100

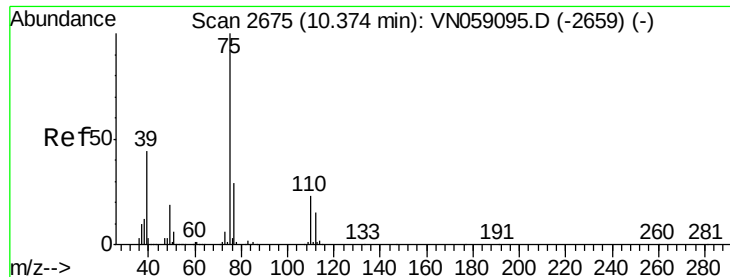
91 172.9 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





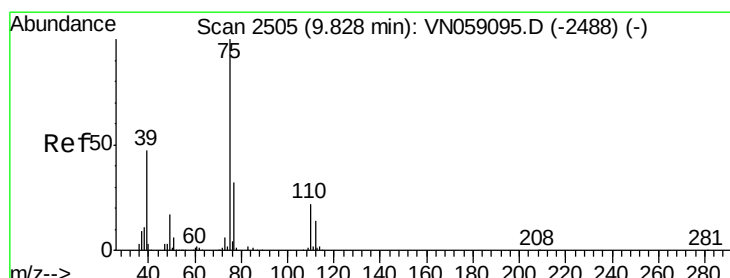
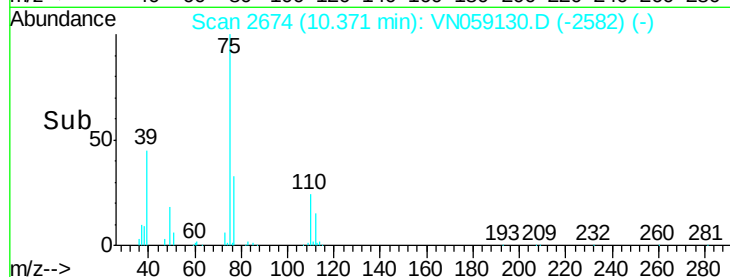
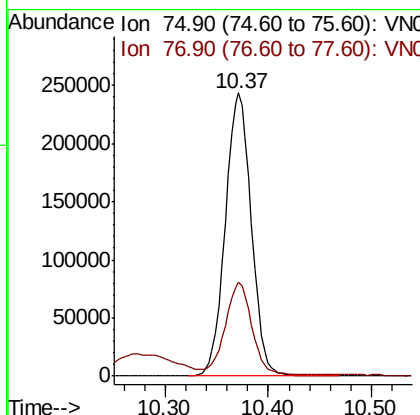
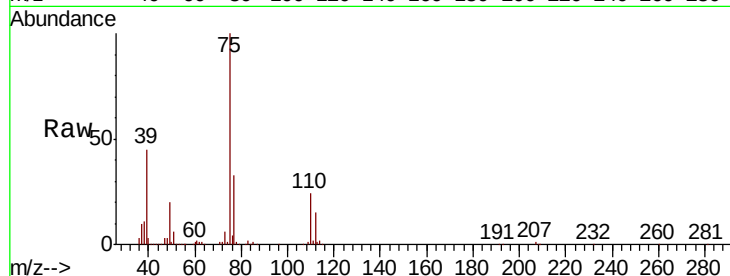
#53
t-1,3-Dichloropropene
Concen: 48.365 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.3	37.9

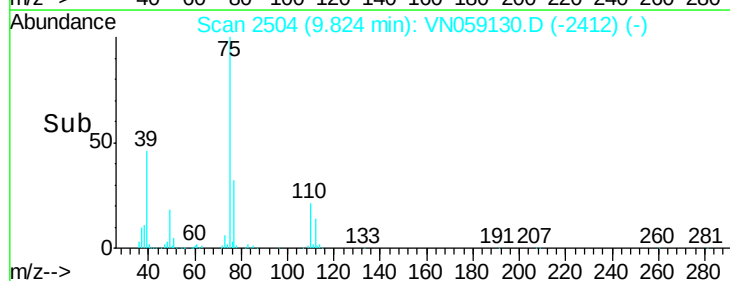
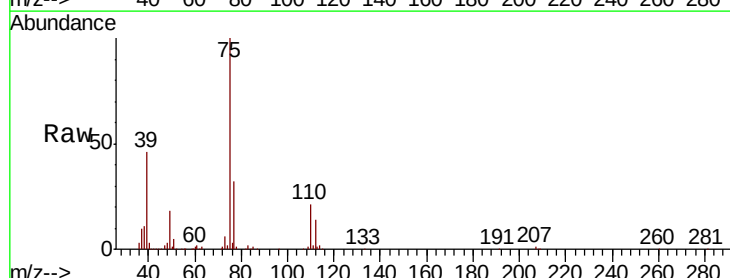
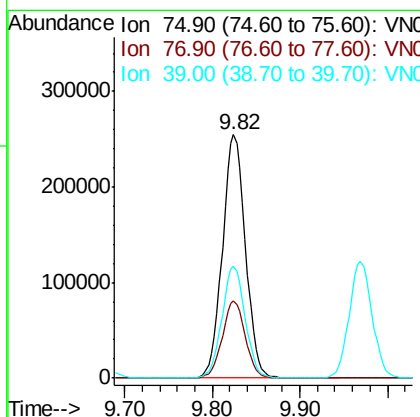
Manual Integrations
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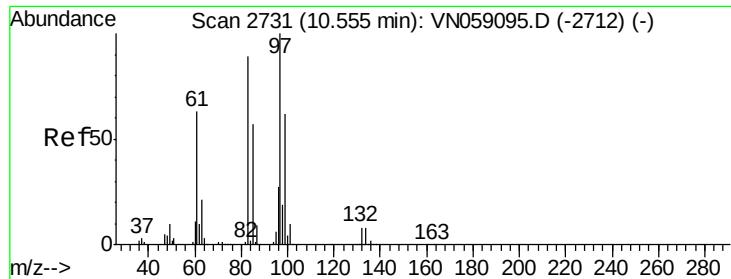
MMDadoda
11/11/2019 10:34:49 AM



#54
cis-1,3-Dichloropropene
Concen: 49.125 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.5	38.3
39	45.9	37.3	55.9





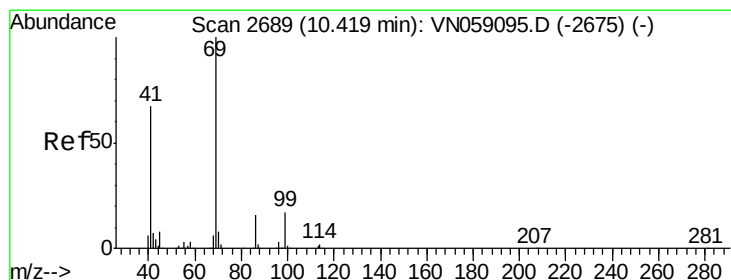
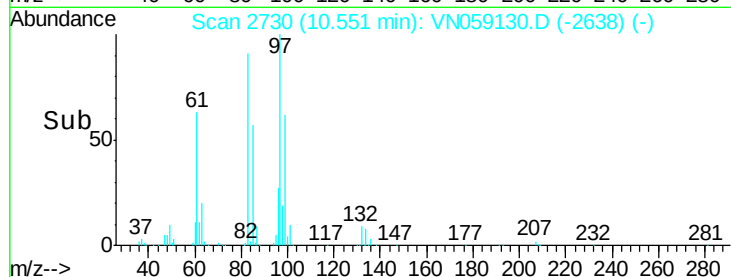
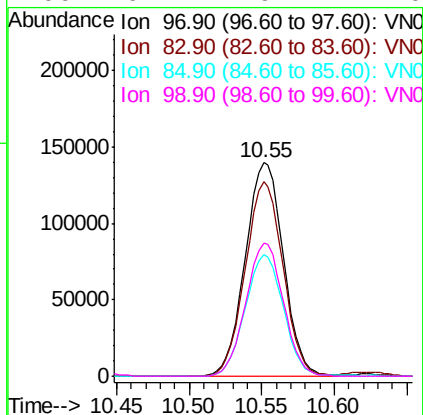
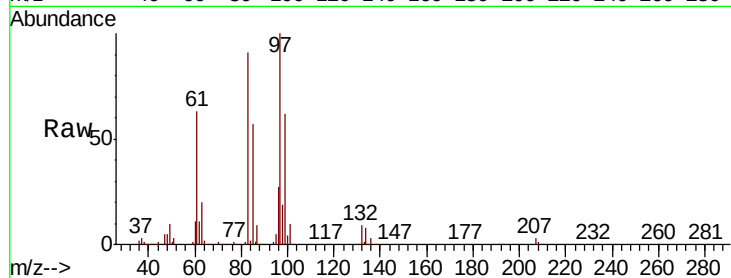
#55
 1,1,2-Trichloroethane
 Concen: 47.000 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN059130.D
 Acq: 8 Nov 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	256657
Ion	Ratio	Lower	Upper
97	100		
83	91.3	71.0	106.4
85	56.8	45.8	68.8
99	62.2	49.4	74.0

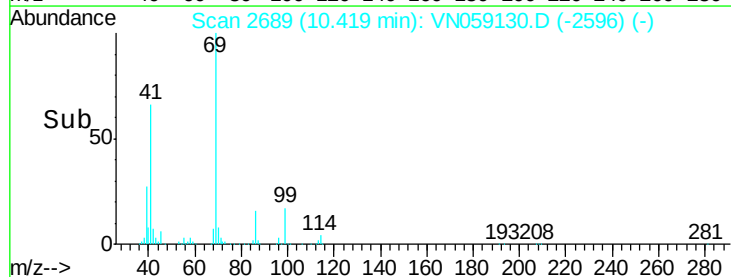
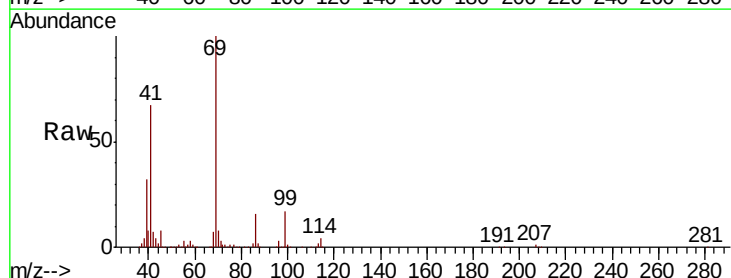
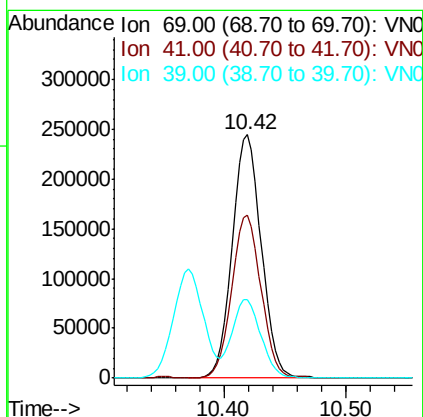
Manual Integrations
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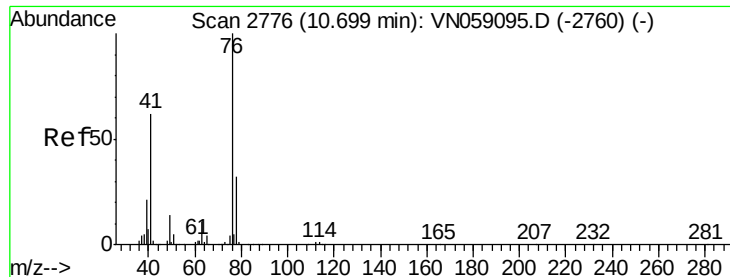
MMDadoda
 11/11/2019 10:34:49 AM



#56
 Ethyl methacrylate
 Concen: 44.750 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059130.D
 Acq: 8 Nov 2019 8:50

Tgt Ion:	69	Resp:	405719
Ion	Ratio	Lower	Upper
69	100		
41	66.6	53.6	80.4
39	31.6	26.2	39.4





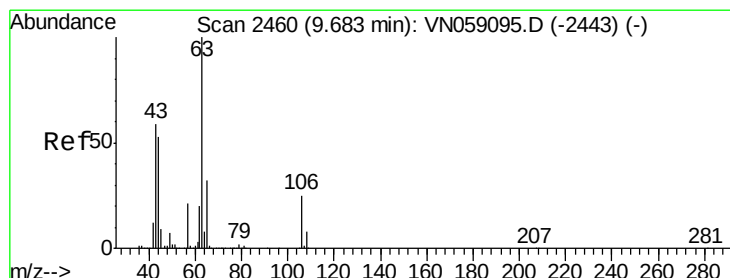
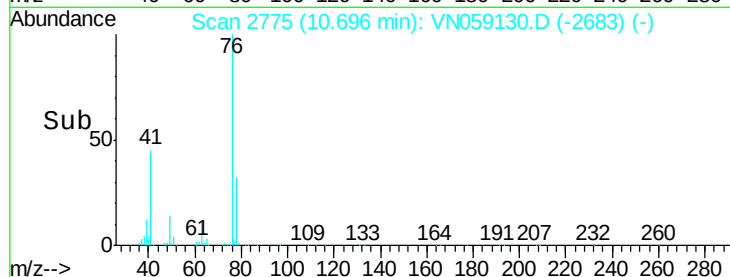
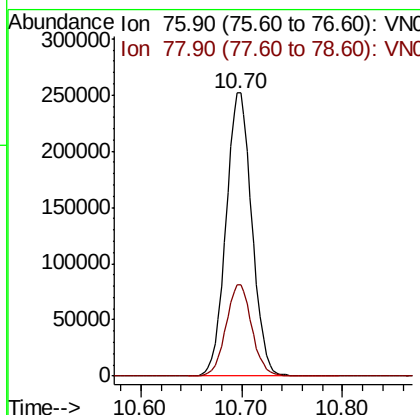
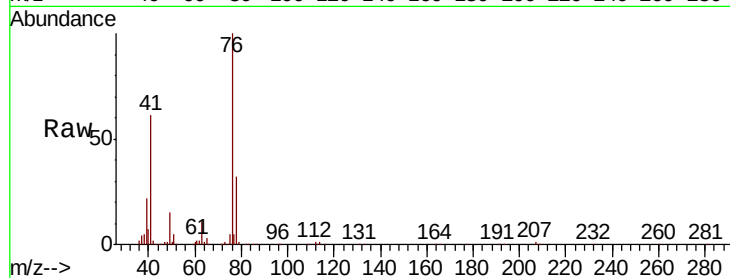
#57
 1,3-Dichloropropane
 Concen: 47.981 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN059130.D
 Acq: 8 Nov 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.8

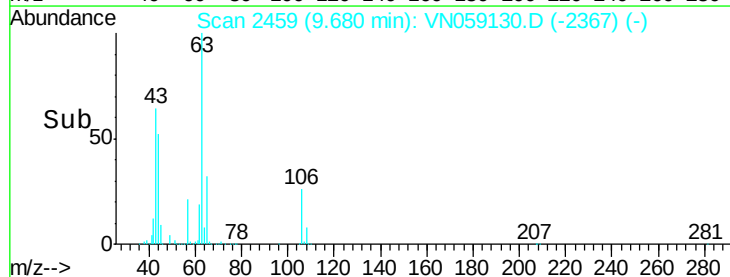
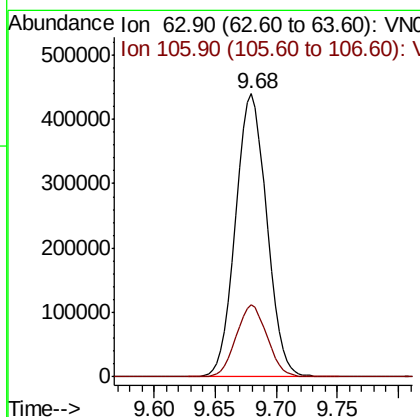
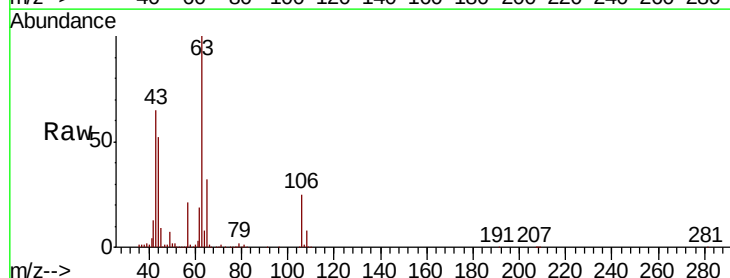
Manual Integrations
 APPROVED

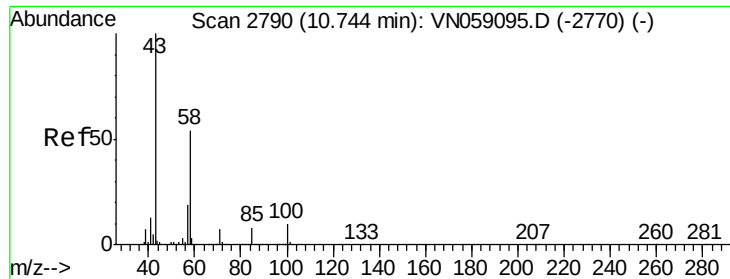
MMDadoda
 11/11/2019 10:34:49 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 256.205 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN059130.D
 Acq: 8 Nov 2019 8:50

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.2	20.2	30.2





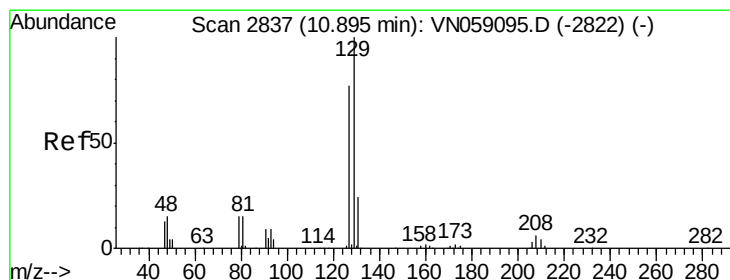
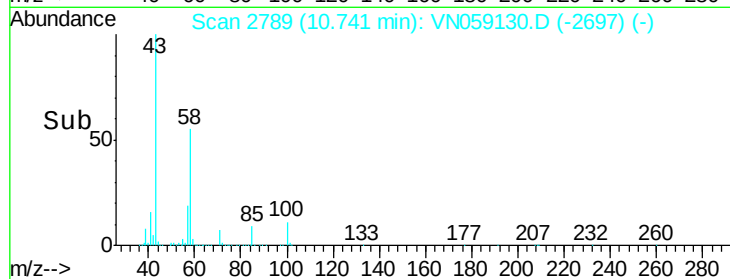
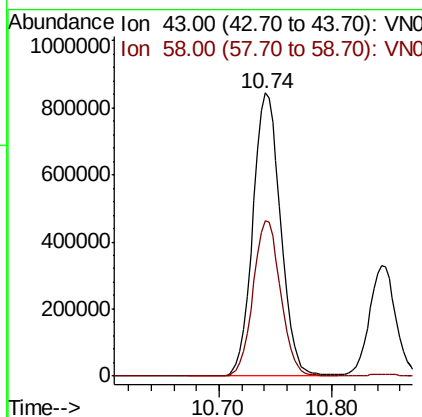
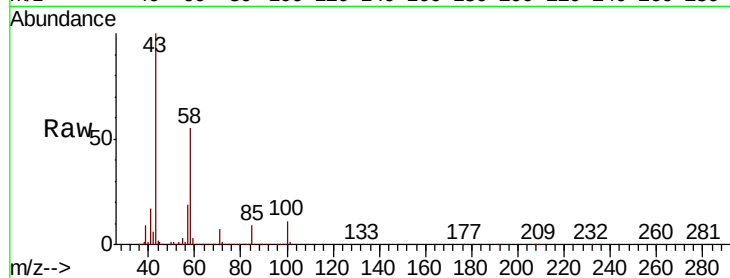
#59
2-Hexanone
Concen: 249.459 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1436438
Ion Ratio Lower Upper
43 100
58 54.5 27.3 81.8

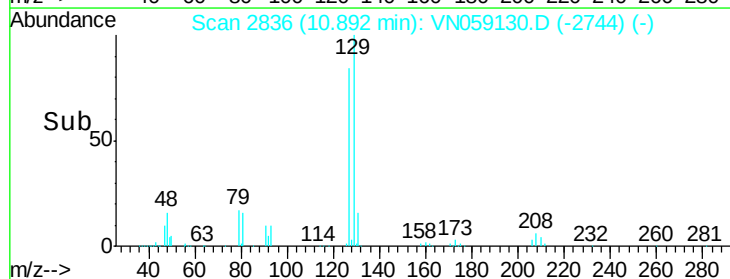
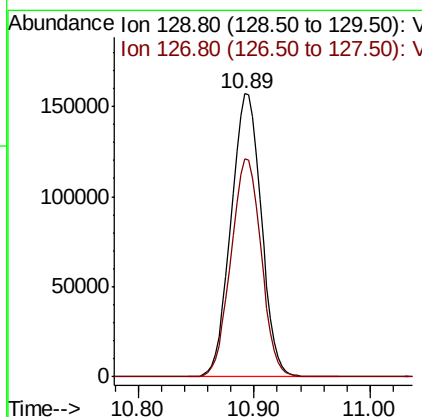
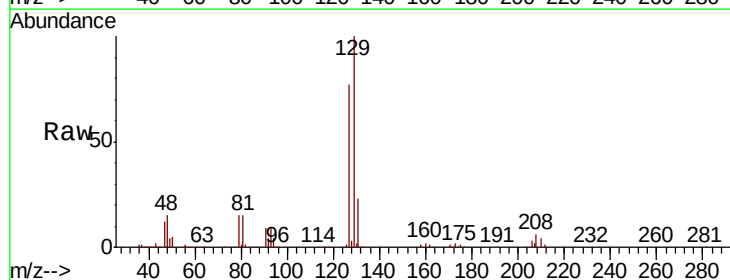
Manual Integrations
APPROVED

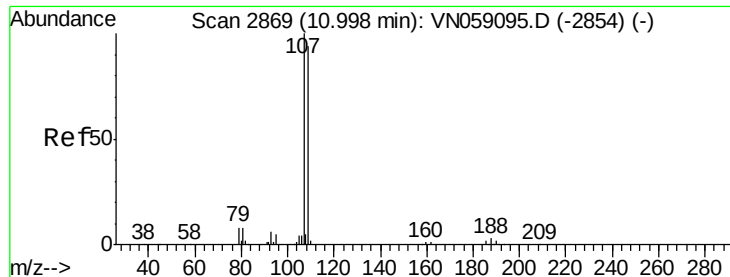
MMDadoda
11/11/2019 10:34:49 AM



#60
Dibromochloromethane
Concen: 49.002 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

Tgt Ion: 129 Resp: 282922
Ion Ratio Lower Upper
129 100
127 76.9 38.6 115.8





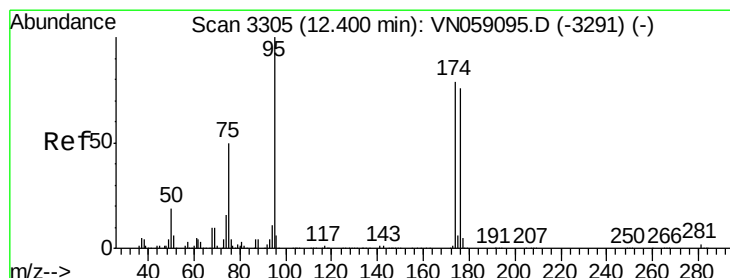
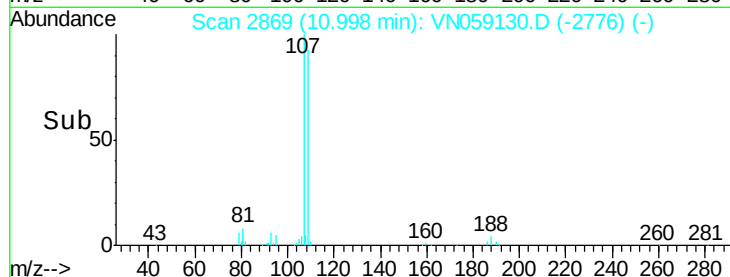
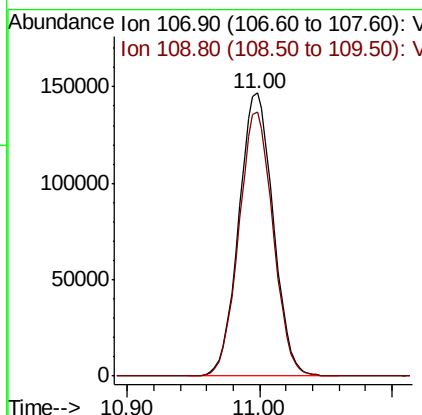
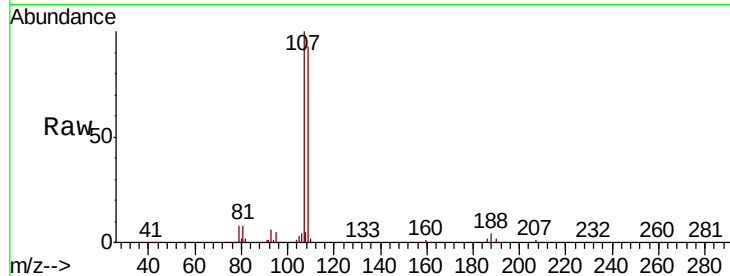
#61
 1,2-Dibromoethane
 Concen: 47.883 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059130.D
 Acq: 8 Nov 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	75.5	113.3

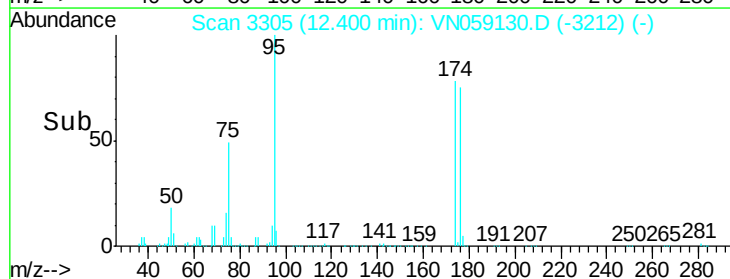
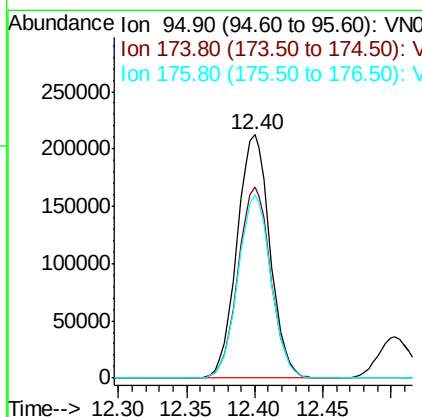
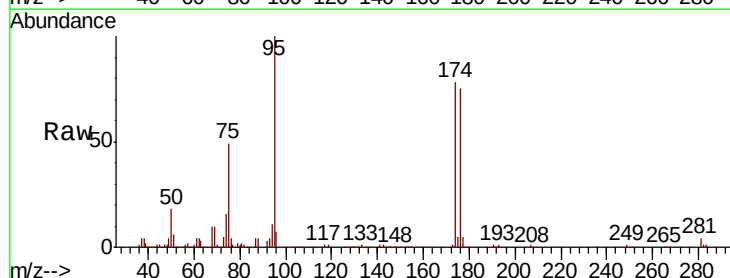
Manual Integrations
 APPROVED

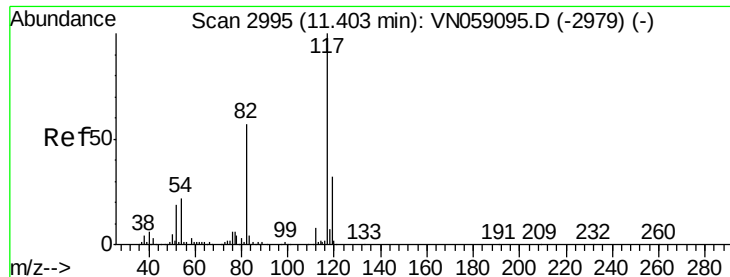
MMDadoda
 11/11/2019 10:34:49 AM



#62
 4-Bromofluorobenzene
 Concen: 52.419 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059130.D
 Acq: 8 Nov 2019 8:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.3	0.0	158.2
176	75.4	0.0	151.8





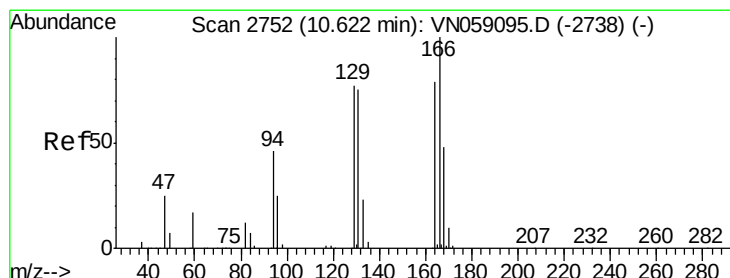
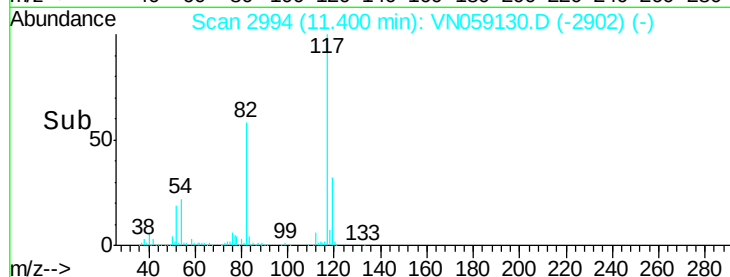
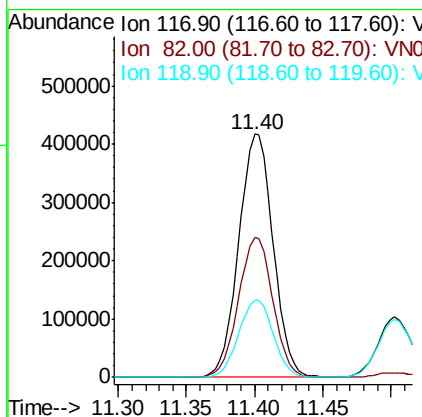
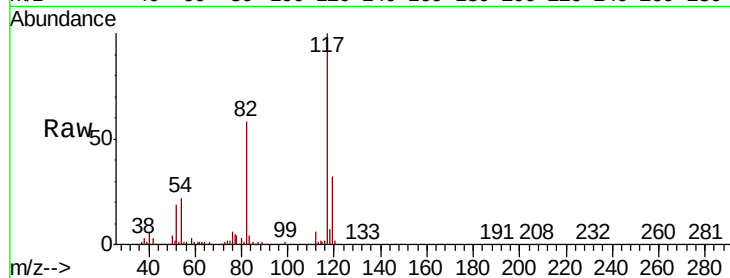
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	729971		
82	57.5		45.8	68.8
119	31.8		25.8	38.6

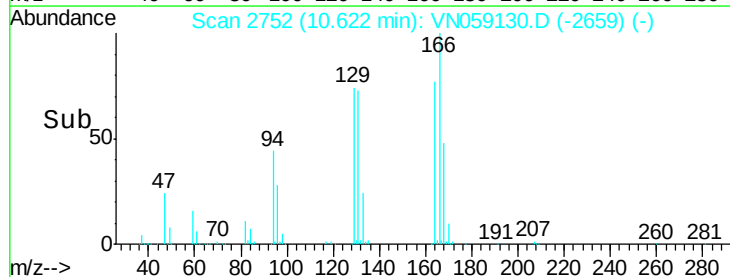
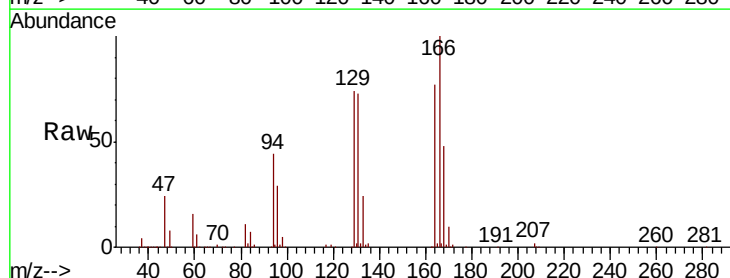
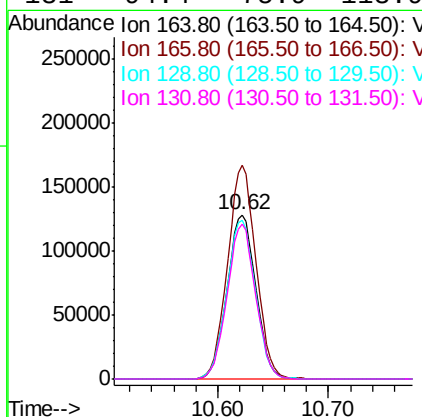
Manual Integrations
APPROVED

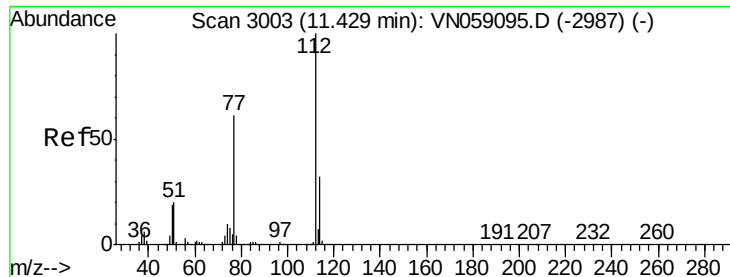
MMDadoda
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#64
Tetrachloroethene
Concen: 46.788 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	232239		
166	130.2		101.5	152.3
129	96.4		78.3	117.5
131	94.4		75.9	113.9





#65

Chlorobenzene

Concen: 48.389 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 688573

Ion Ratio Lower Upper

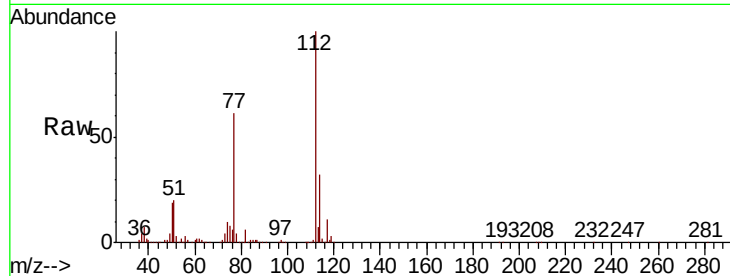
112 100

114 31.6 25.2 37.8

Manual Integrations
APPROVED

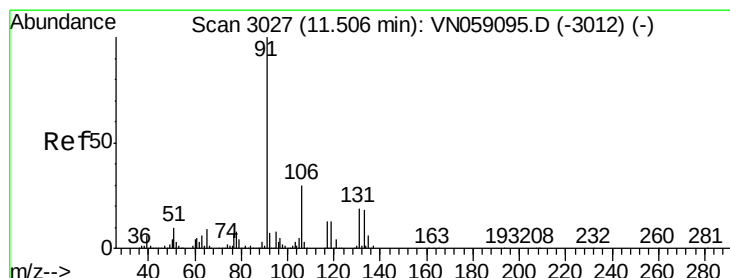
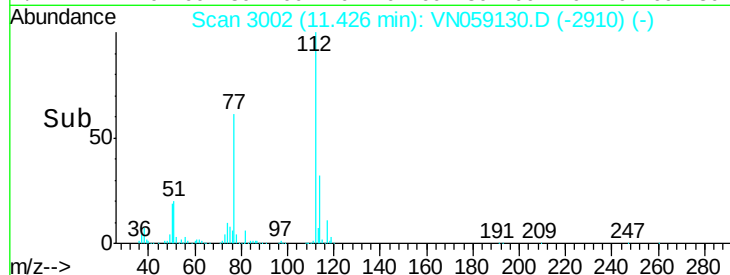
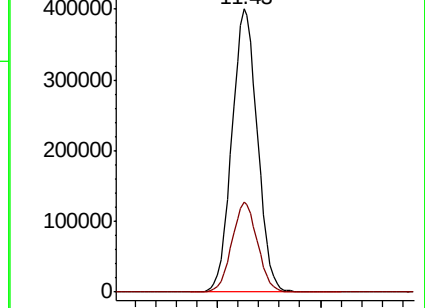
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 48.604 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

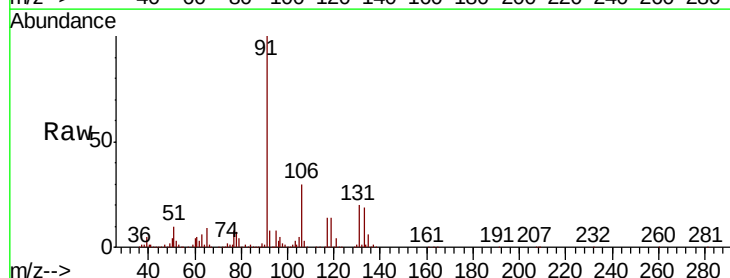
Tgt Ion:131 Resp: 259450

Ion Ratio Lower Upper

131 100

133 94.9 47.4 142.3

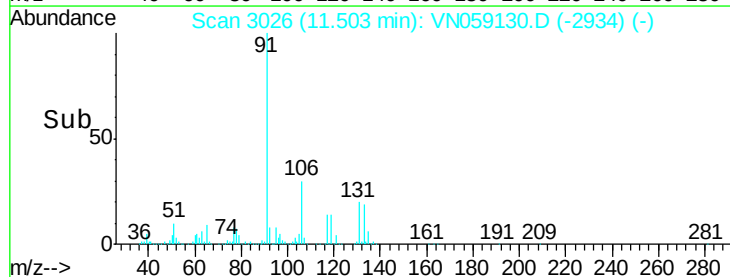
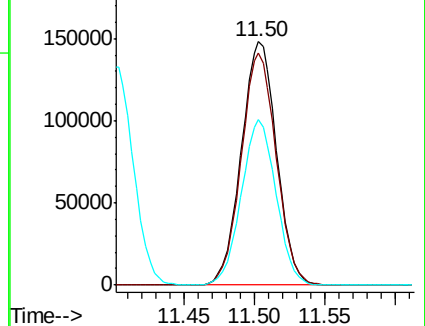
119 66.6 33.2 99.6

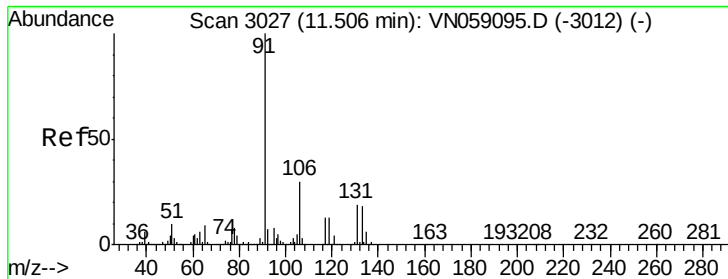


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 50.185 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1267022

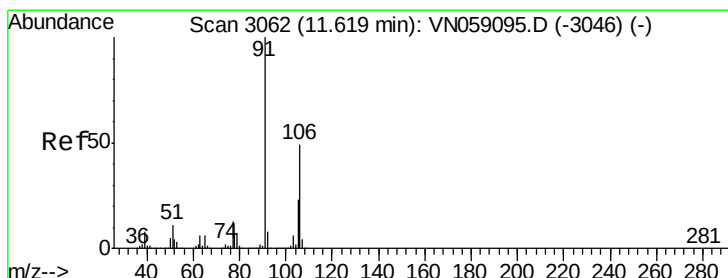
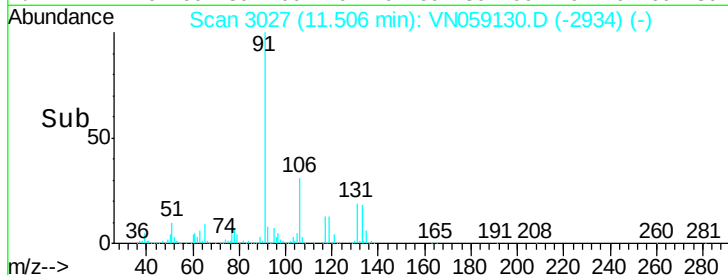
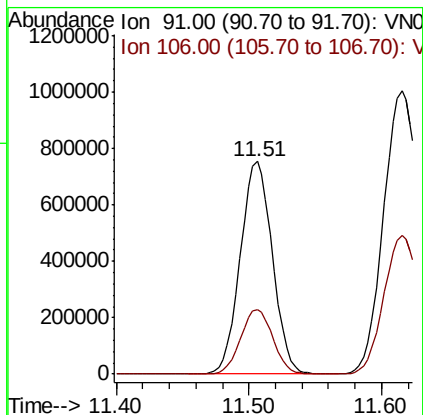
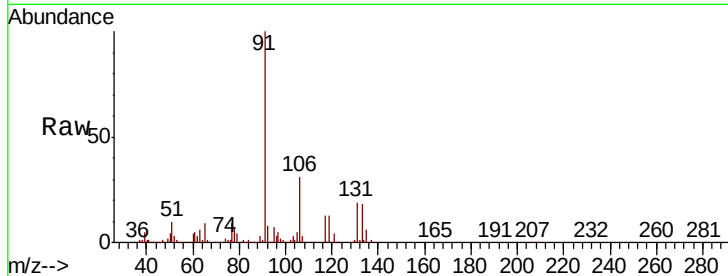
Ion Ratio Lower Upper

91 100

106 30.7 24.1 36.1

Manual Integrations
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#68

m/p-Xylenes

Concen: 99.736 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059130.D

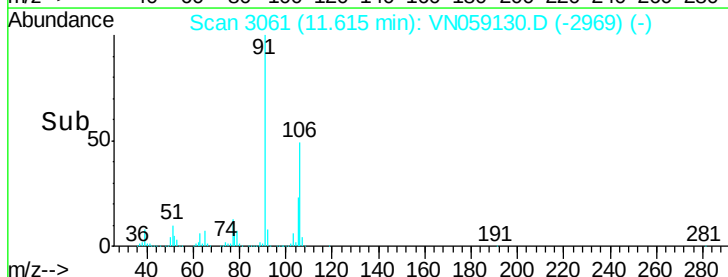
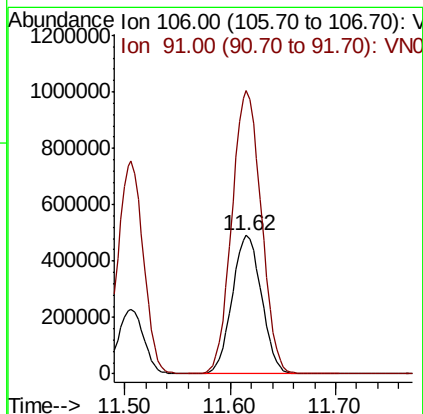
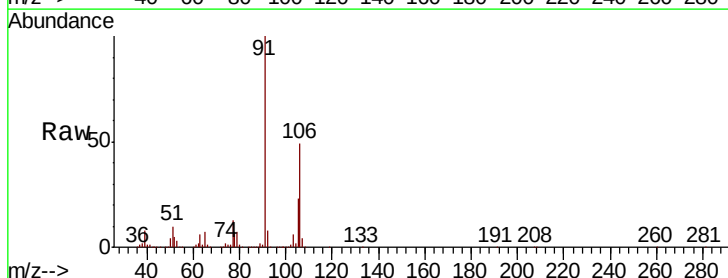
Acq: 8 Nov 2019 8:50

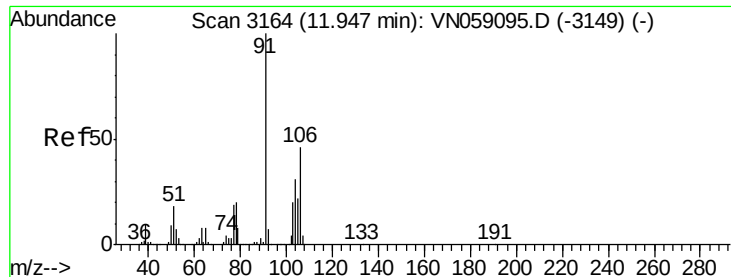
Tgt Ion: 106 Resp: 943238

Ion Ratio Lower Upper

106 100

91 205.6 164.7 247.1





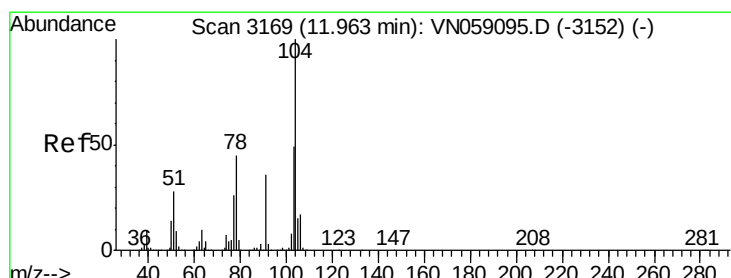
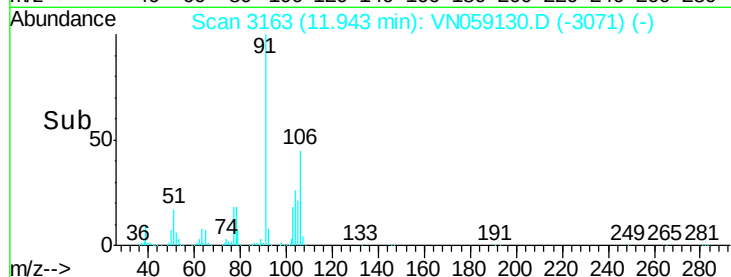
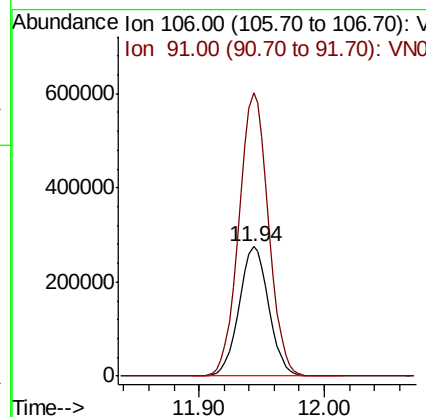
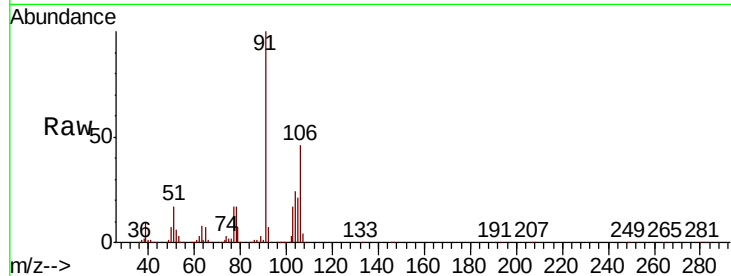
#69
o-Xylene
Concen: 49.196 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		449627		
91	218.5	110.1	330.3		

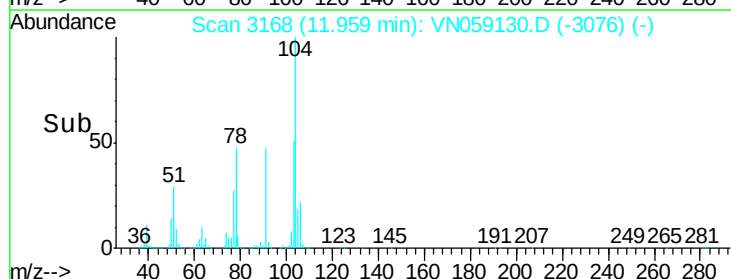
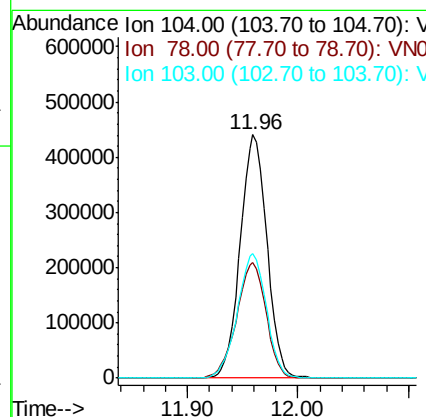
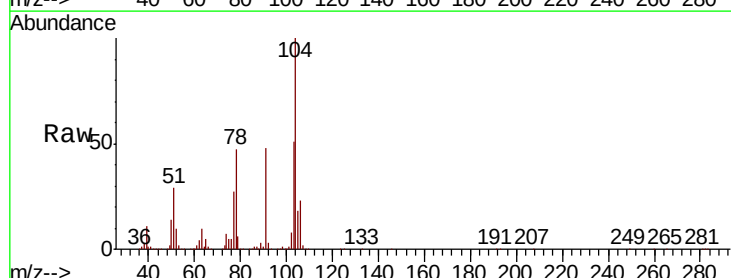
Manual Integrations
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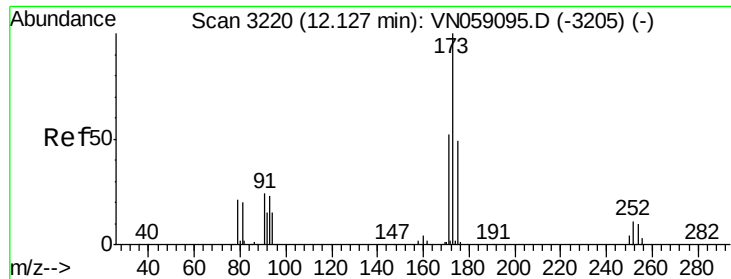
MMDadoda
11/11/2019 10:34:49 AM



#70
Styrene
Concen: 51.712 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		743312		
78	52.0	41.2	61.8		
103	55.4	43.8	65.6		





#71

Bromoform

Concen: 48.449 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

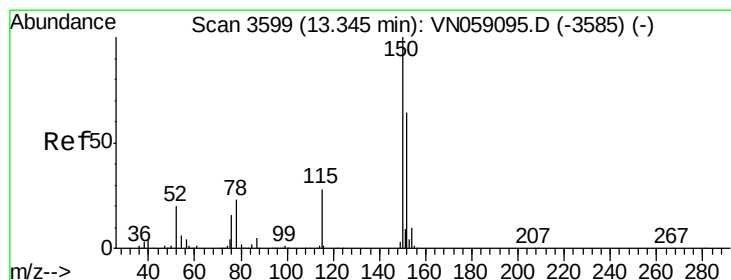
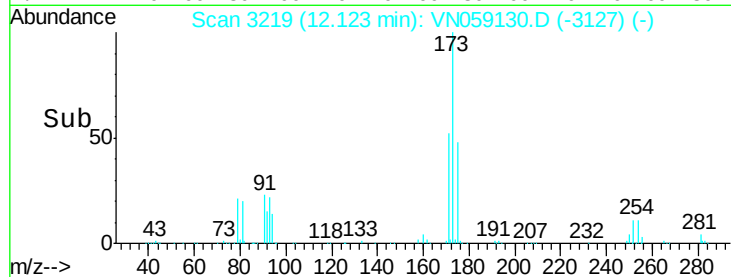
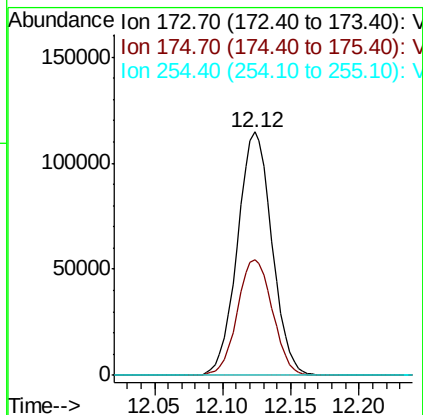
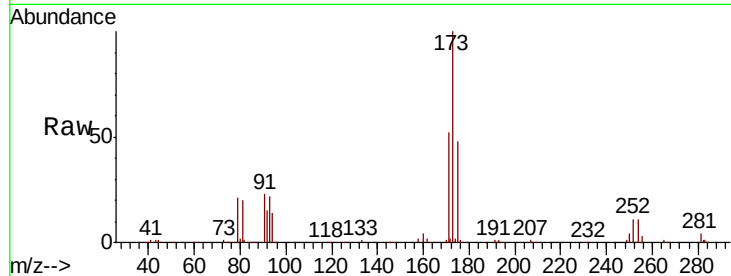
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.2	72.6
254	0.0	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

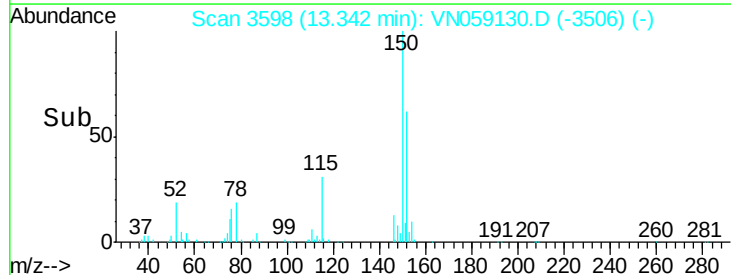
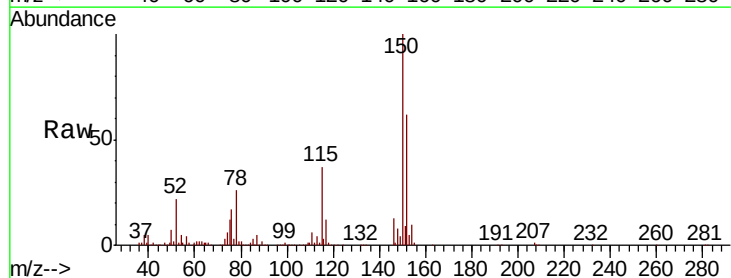
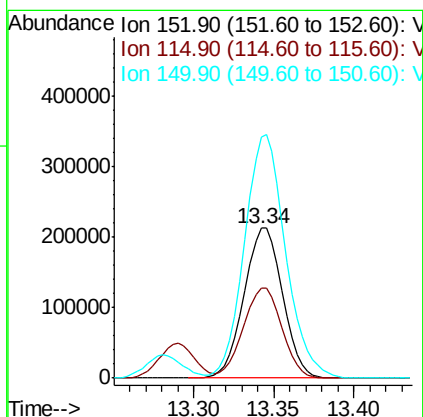
RT: 13.34 min Scan# 3598

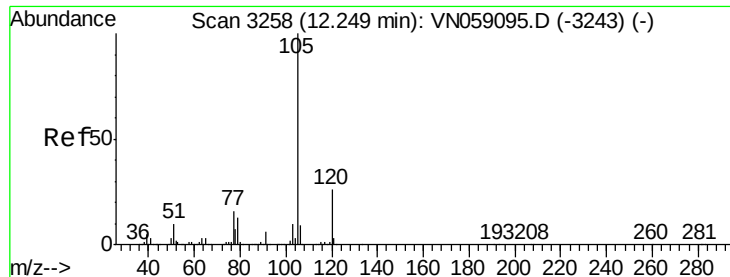
Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.1	29.4	88.2
150	173.3	0.0	345.8





#73

Isopropylbenzene

Concen: 48.314 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1224720

Ion Ratio Lower Upper

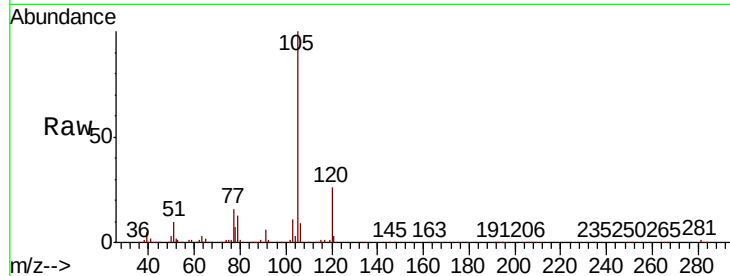
105 100

120 26.1 13.1 39.3

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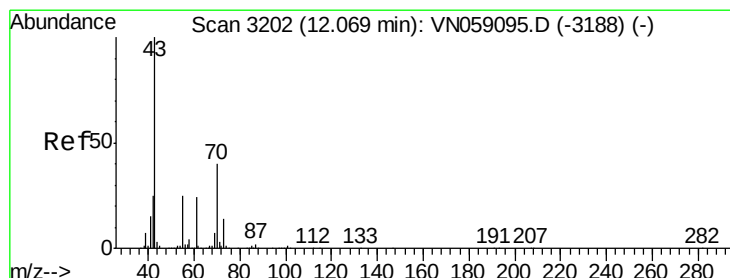
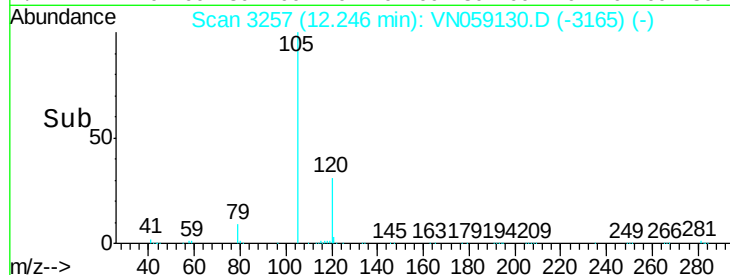
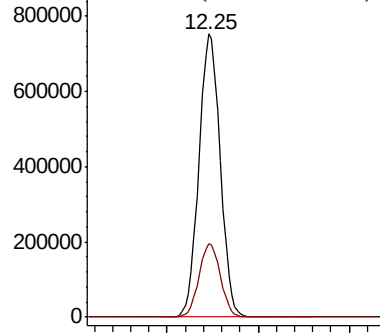
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.955 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Tgt Ion: 43 Resp: 515104

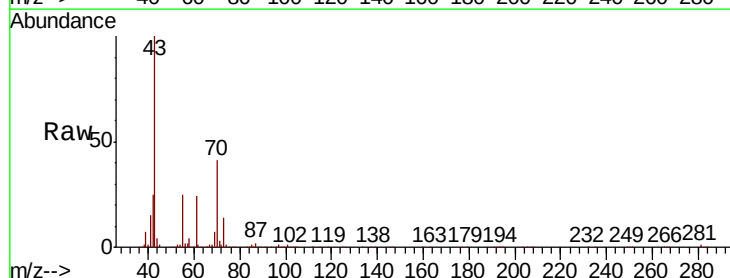
Ion Ratio Lower Upper

43 100

70 41.3 32.2 48.4

55 25.6 20.4 30.6

61 24.2 19.3 28.9

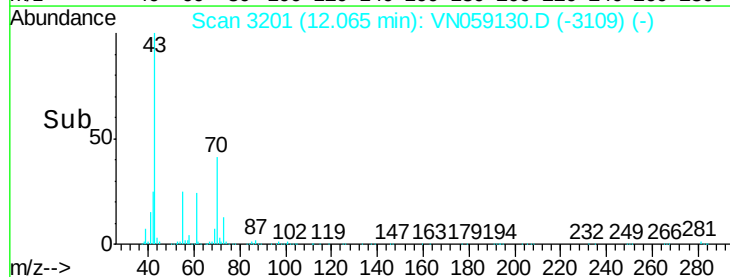
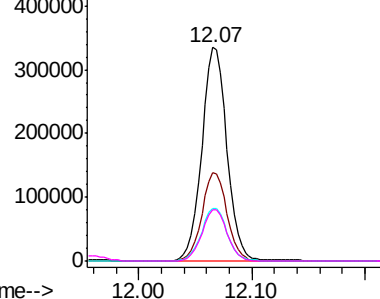


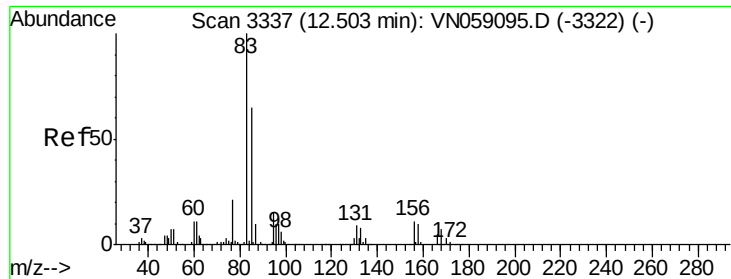
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





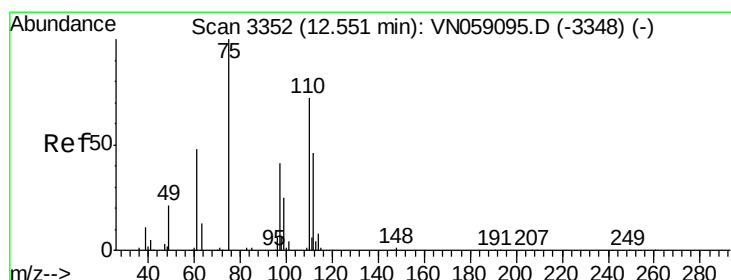
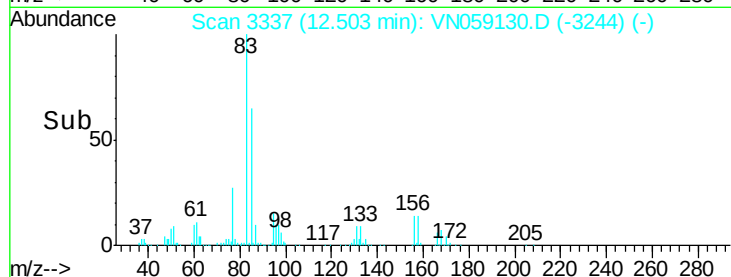
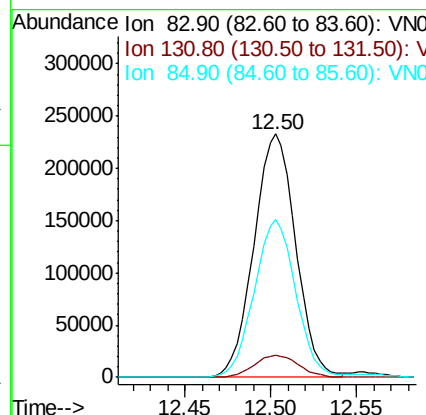
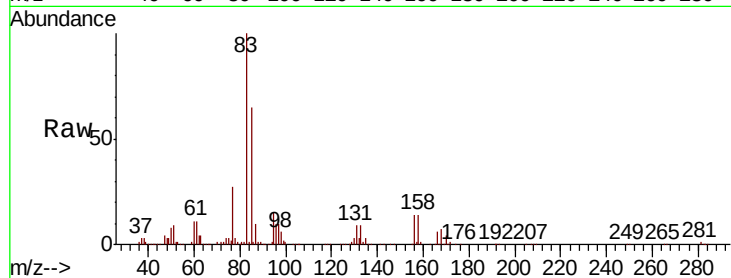
#75
 1,1,2,2-Tetrachloroethane
 Concen: 45.315 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN059130.D
 Acq: 8 Nov 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	9.8	4.9	14.6	
85	64.2	32.4	97.2	

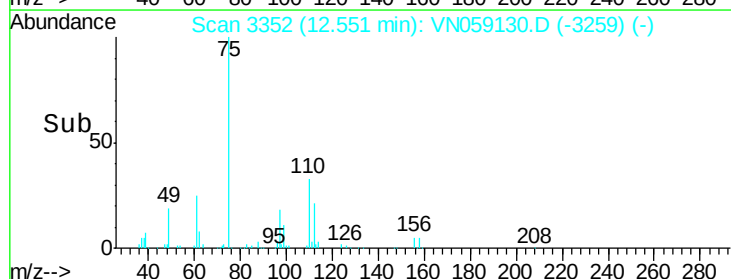
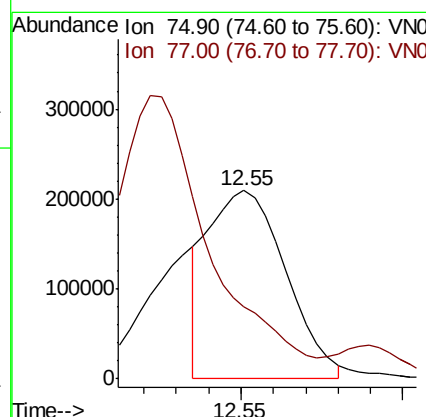
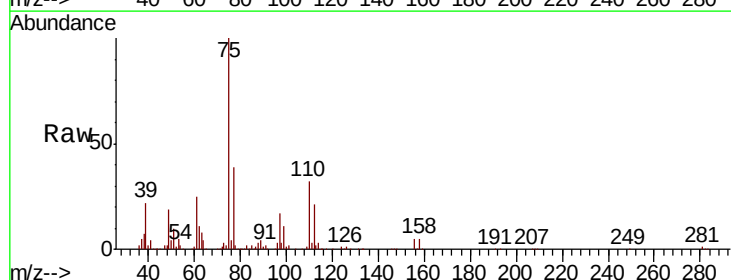
Manual Integrations
 APPROVED

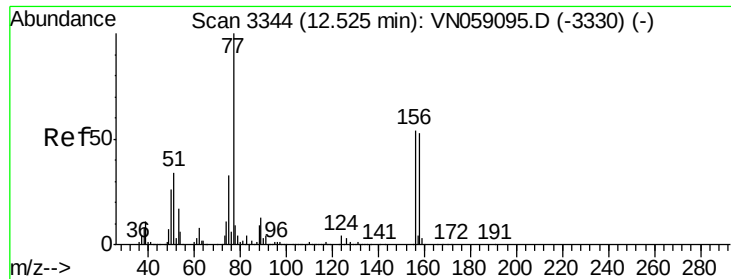
MMDadoda
 11/11/2019 10:34:49 AM



#76
 1,2,3-Trichloropropane
 Concen: 44.091 ug/l m
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN059130.D
 Acq: 8 Nov 2019 8:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	0.0	0.0	0.0	





#77

Bromobenzene

Concen: 46.430 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

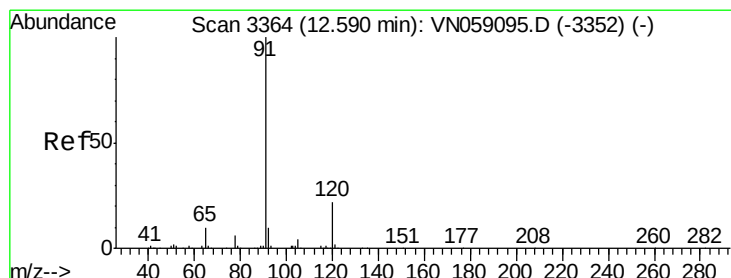
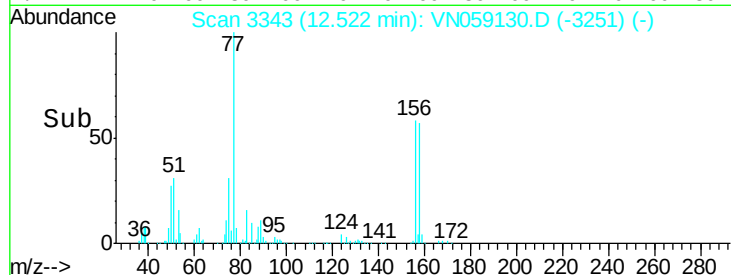
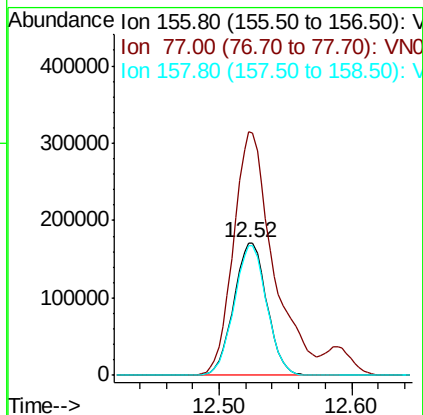
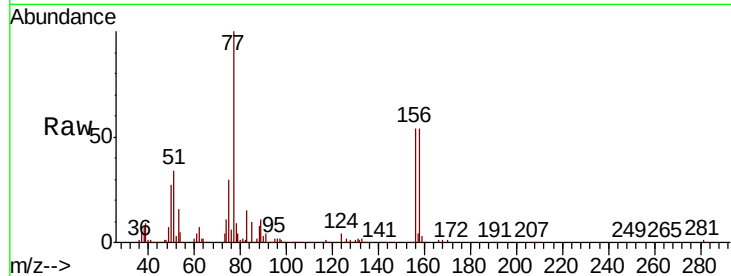
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	221.1	112.8	338.3
158	97.2	48.4	145.3

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#78

n-propylbenzene

Concen: 49.656 ug/l

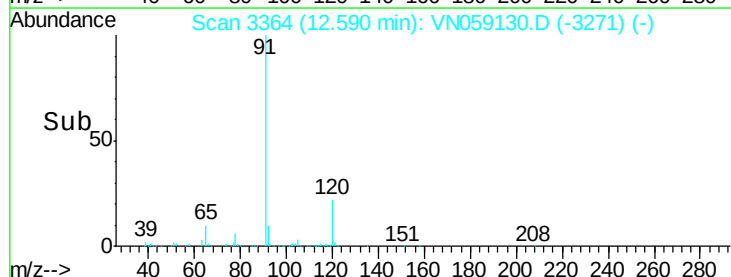
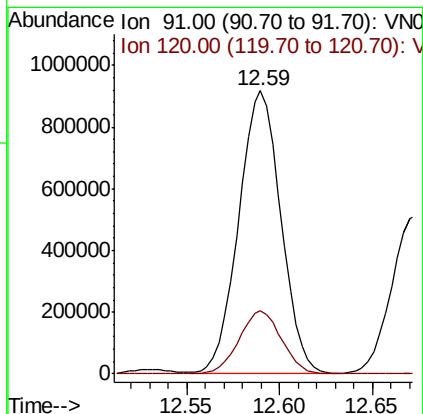
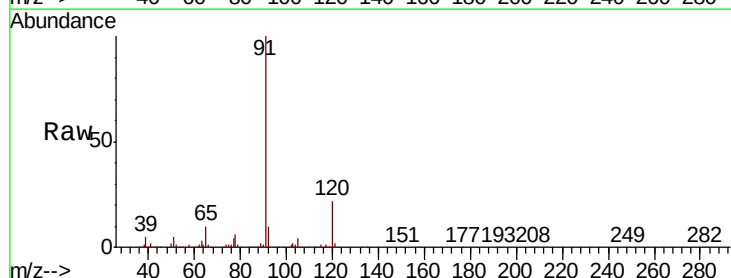
RT: 12.59 min Scan# 3364

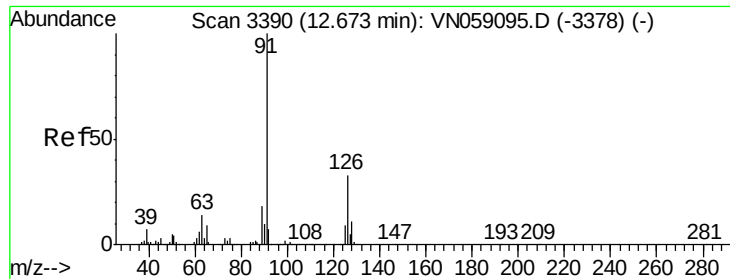
Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.2	33.5





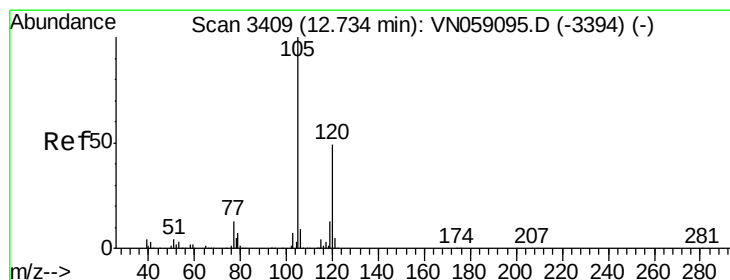
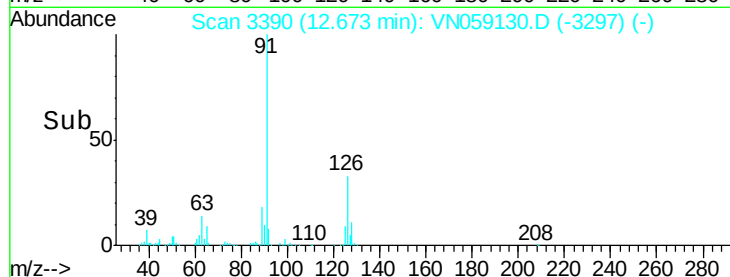
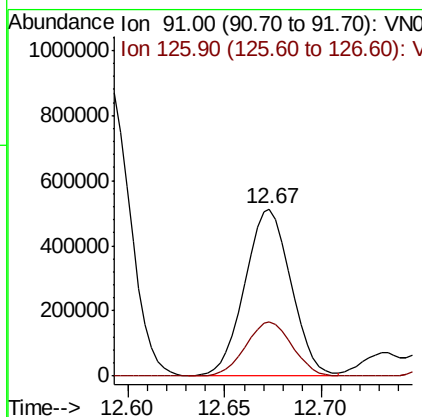
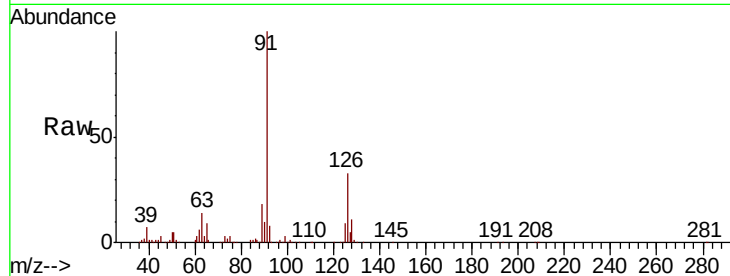
#79
 2-Chlorotoluene
 Concen: 47.046 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN059130.D
 Acq: 8 Nov 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 847087
 Ion Ratio Lower Upper
 91 100
 126 32.9 16.7 50.1

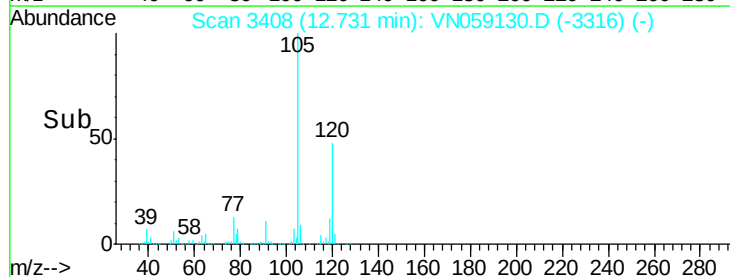
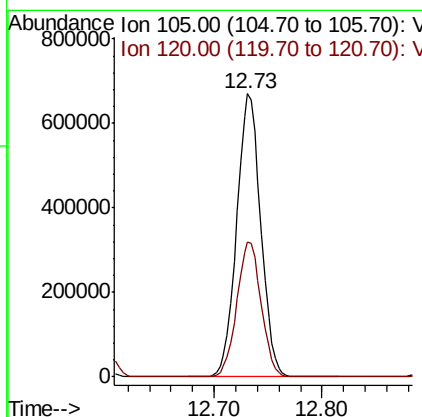
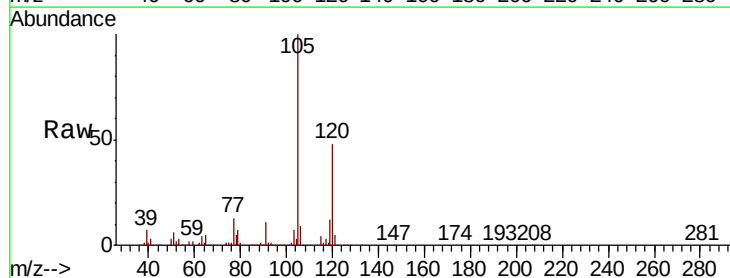
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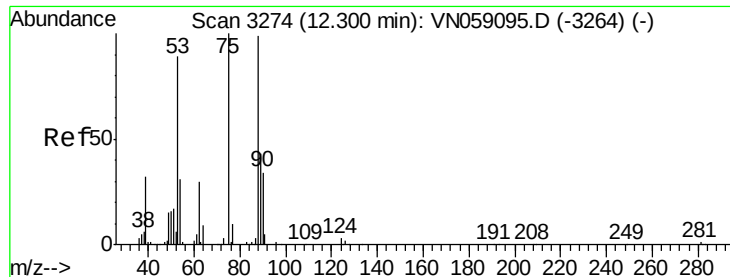
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#80
 1,3,5-Trimethylbenzene
 Concen: 48.445 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN059130.D
 Acq: 8 Nov 2019 8:50

Tgt Ion: 105 Resp: 1040576
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 47.141 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

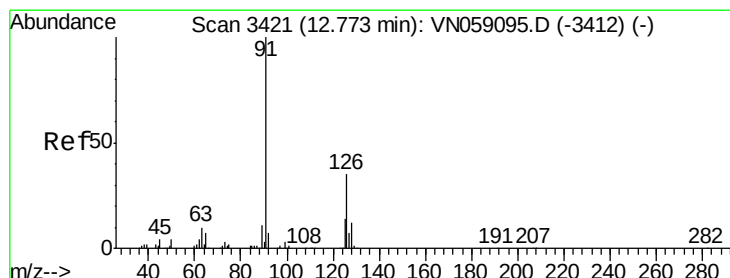
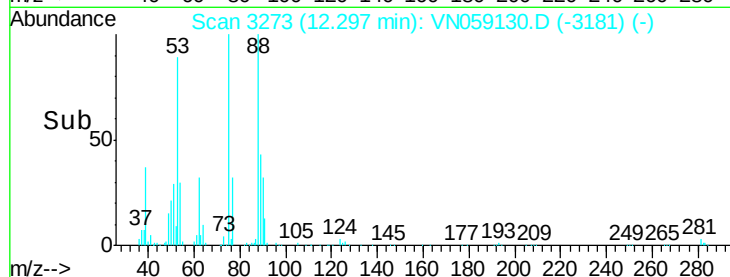
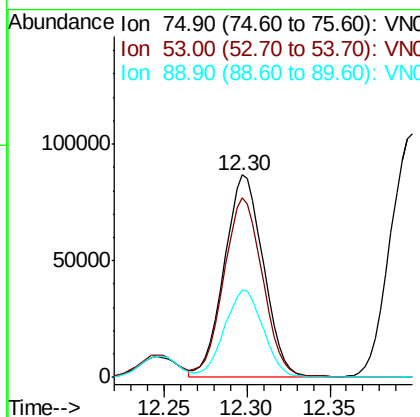
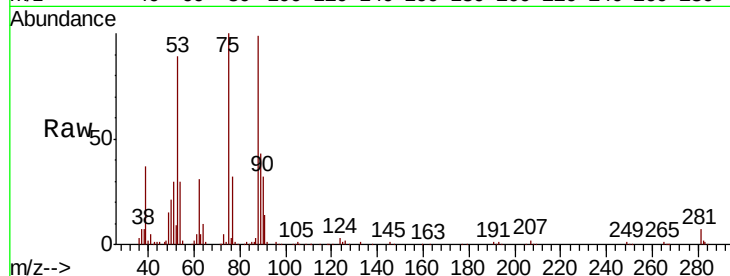
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	141602
Ion Ratio	Lower	Upper	
75	100		
53	88.9	72.2	108.2
89	42.6	35.8	53.8

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#82

4-Chlorotoluene

Concen: 48.508 ug/l

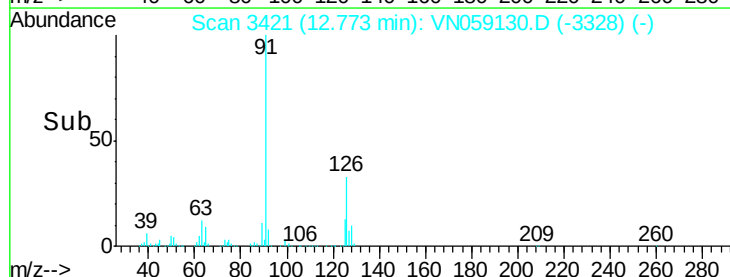
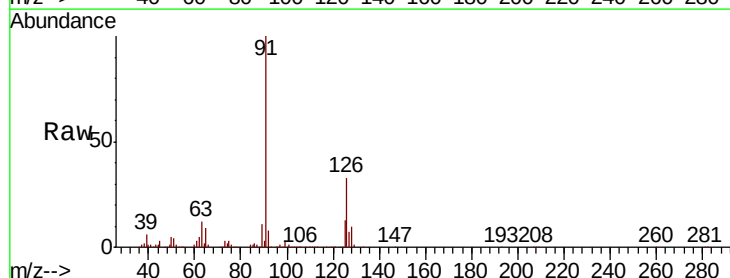
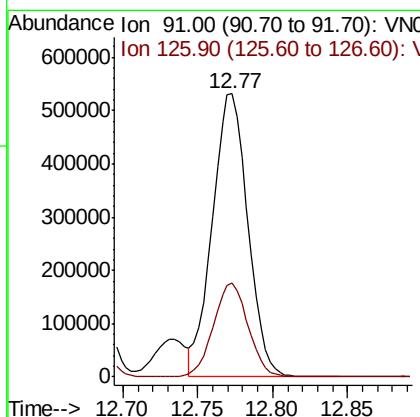
RT: 12.77 min Scan# 3421

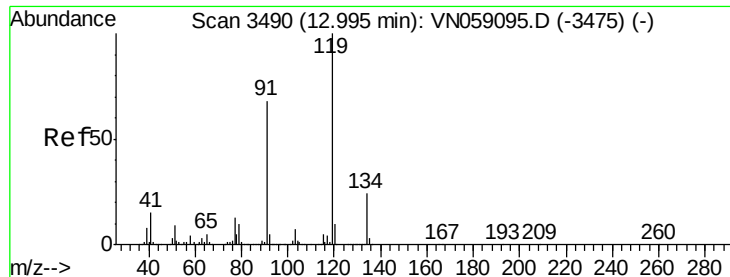
Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Tgt Ion:	91	Resp:	876017
Ion Ratio	Lower	Upper	
91	100		
126	32.5	16.1	48.2





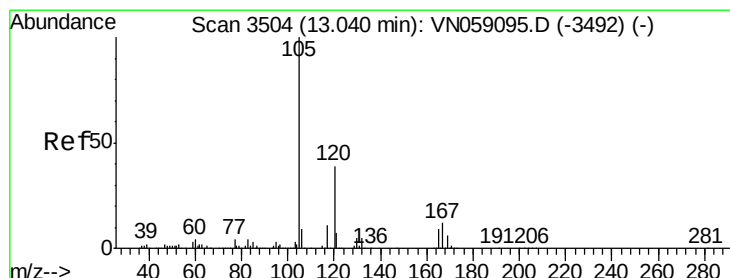
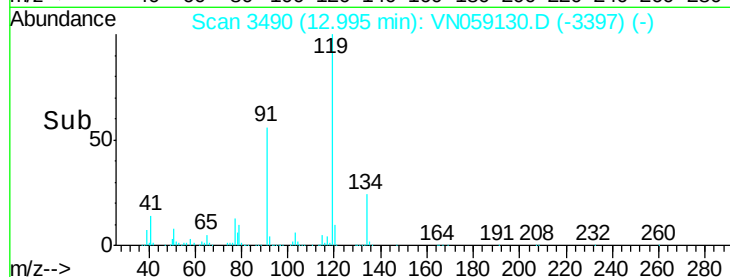
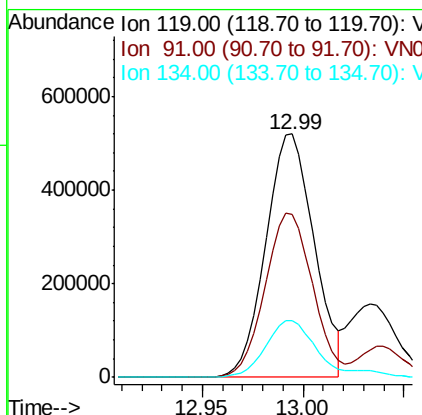
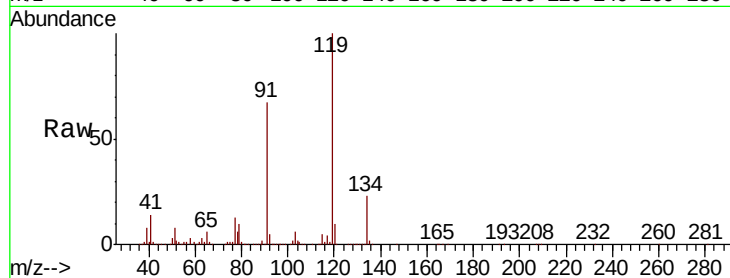
#83
 tert-Butylbenzene
 Concen: 46.676 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059130.D
 Acq: 8 Nov 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.4	33.2	99.6
134	25.8	12.7	38.1

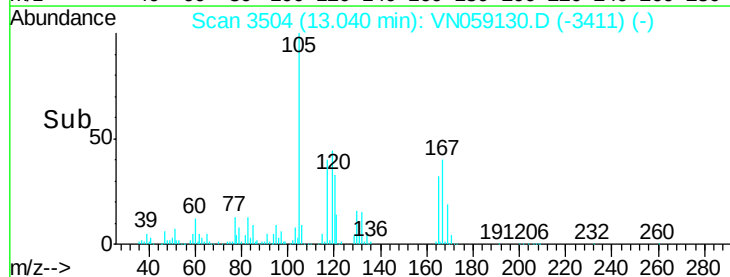
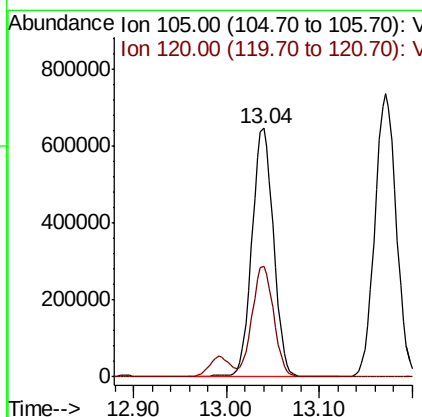
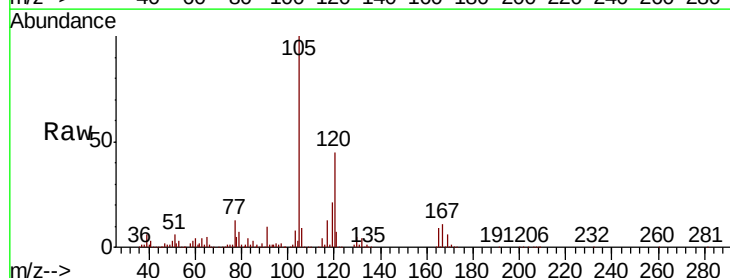
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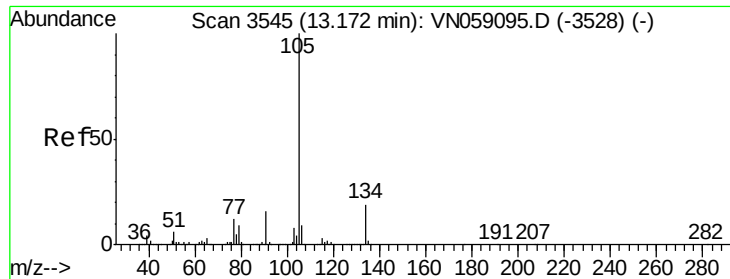
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.315 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059130.D
 Acq: 8 Nov 2019 8:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.8	68.4





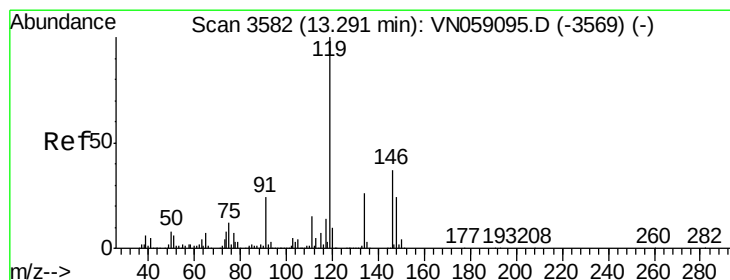
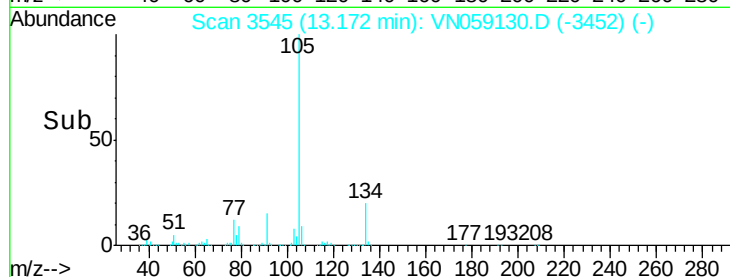
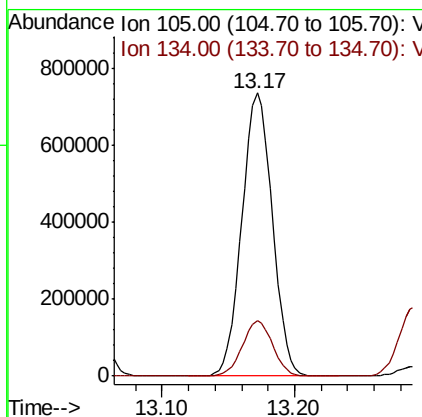
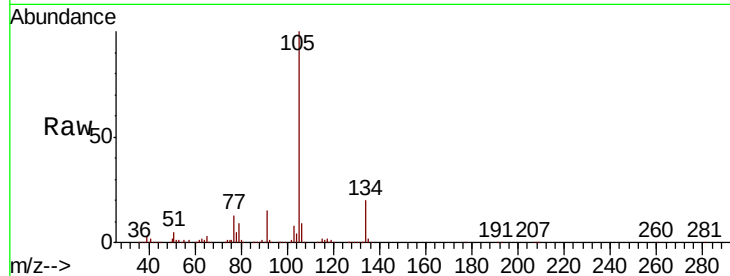
#85
 sec-Butylbenzene
 Concen: 48.777 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN059130.D
 Acq: 8 Nov 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1176703
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.7 29.1

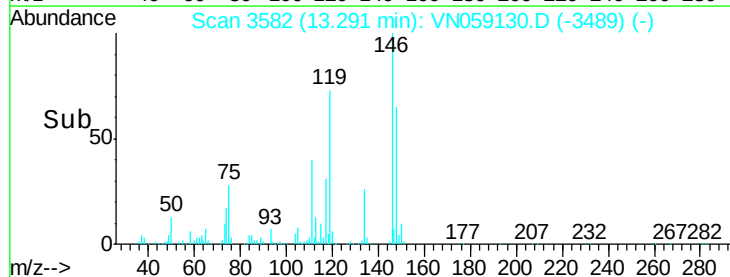
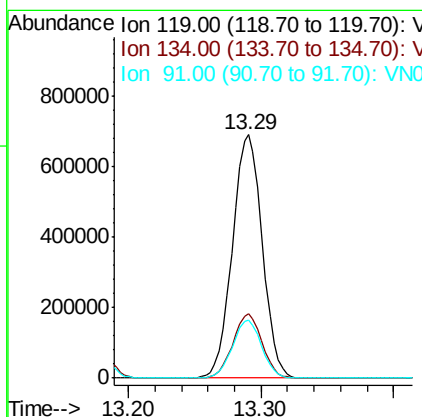
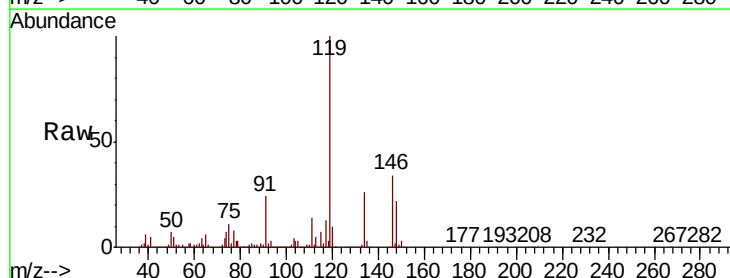
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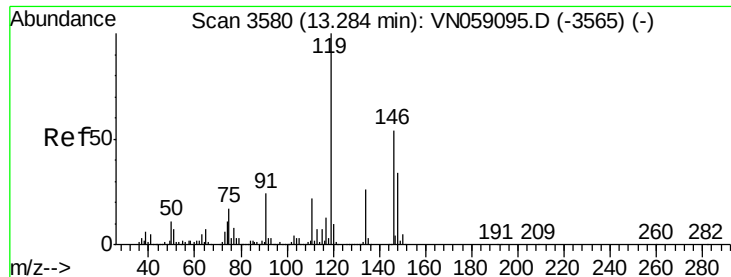
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 11/11/2019 10:34:49 AM



#86
 p-Isopropyltoluene
 Concen: 50.328 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN059130.D
 Acq: 8 Nov 2019 8:50

Tgt Ion:119 Resp: 1072045
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.0 38.9
 91 23.6 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 48.353 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN059130.D

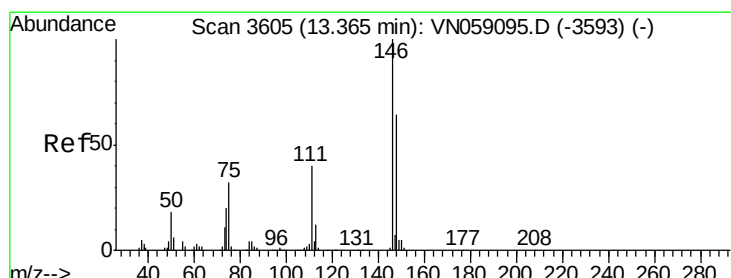
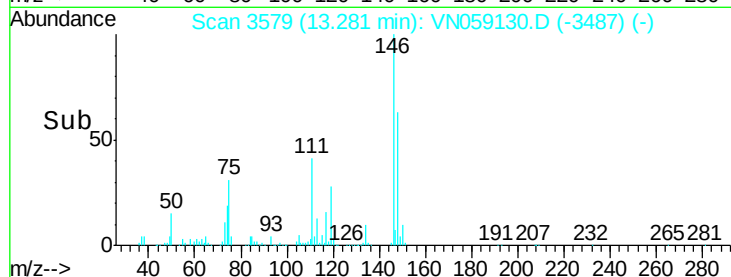
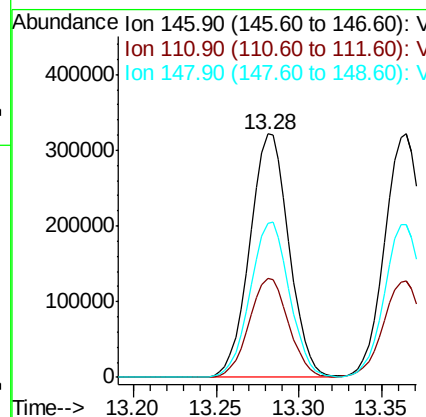
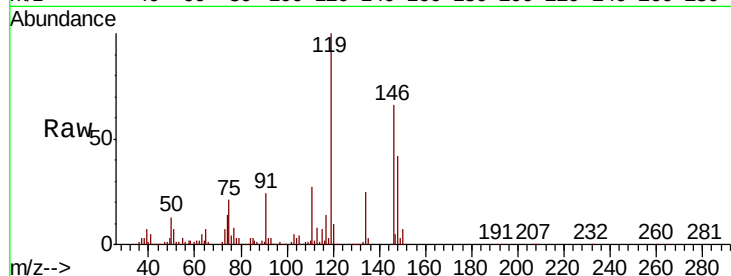
Acq: 8 Nov 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.4	61.3
148	63.9	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 47.964 ug/l

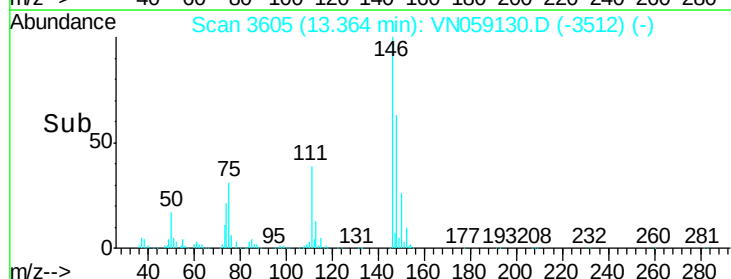
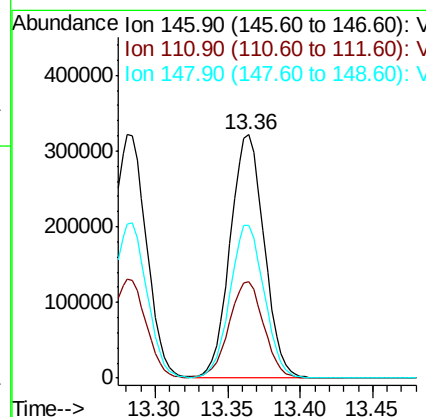
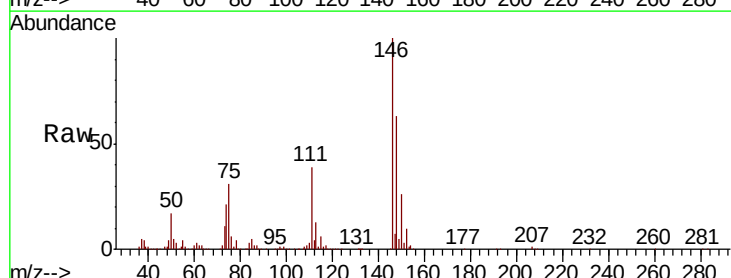
RT: 13.36 min Scan# 3605

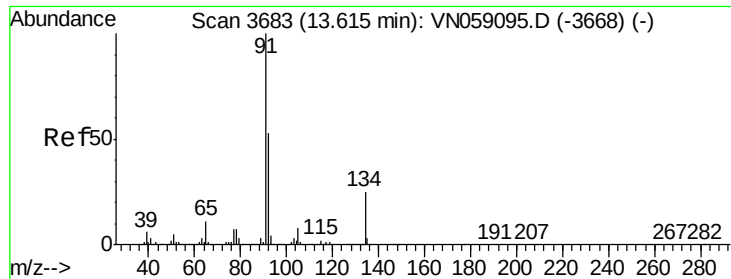
Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.3	60.9
148	63.3	31.9	95.7





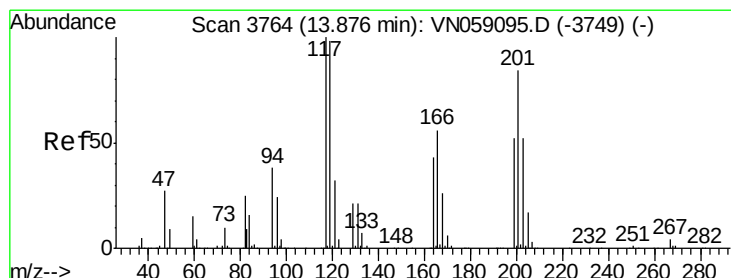
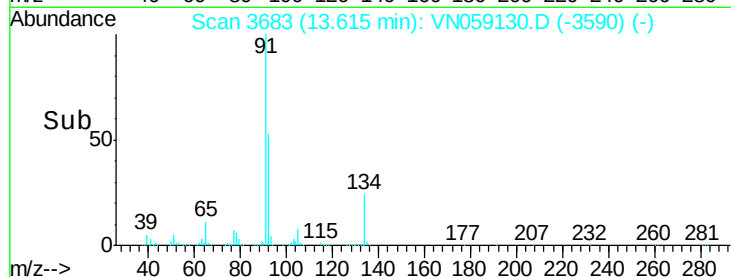
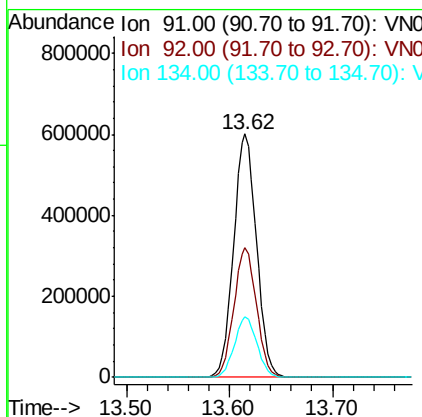
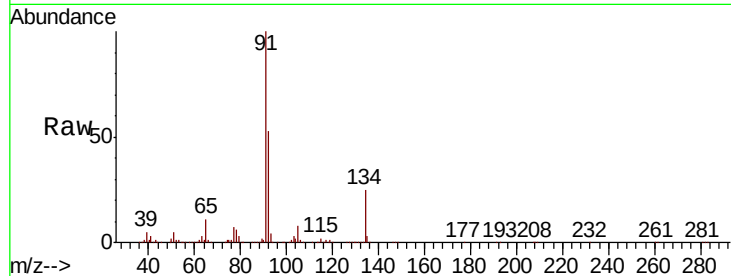
#89
n-Butylbenzene
Concen: 49.897 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.1	78.3
134	24.5	12.6	37.8

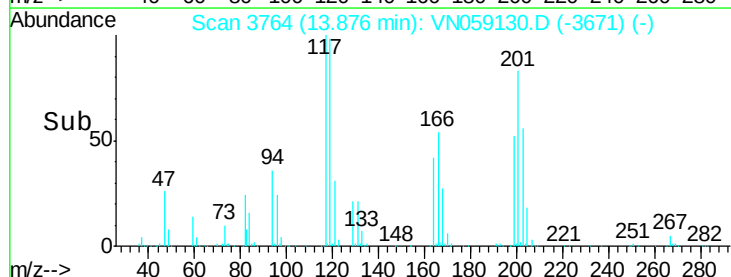
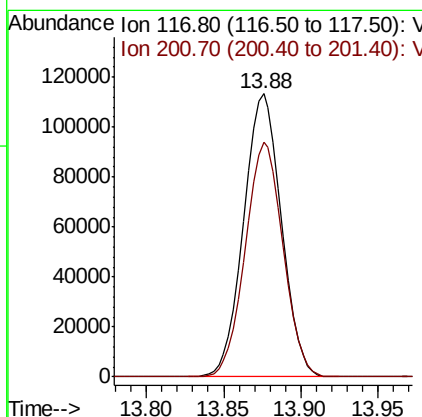
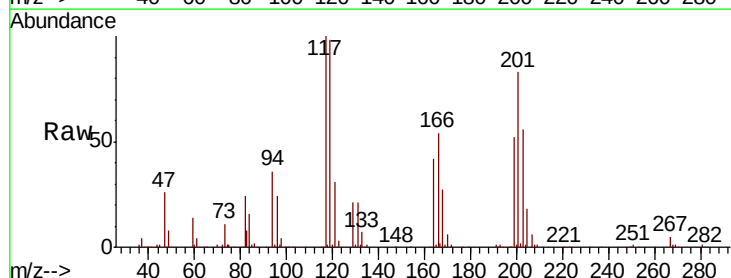
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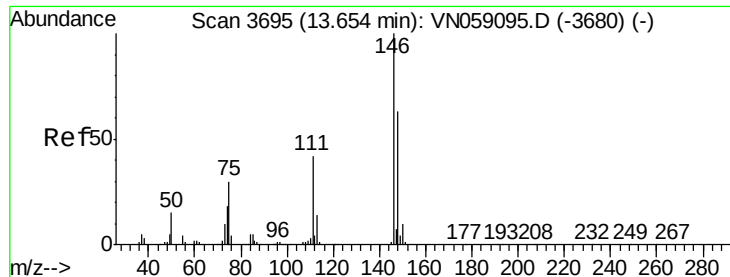
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#90
Hexachloroethane
Concen: 45.012 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.0	41.8	125.3





#91

1,2-Dichlorobenzene

Concen: 48.457 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

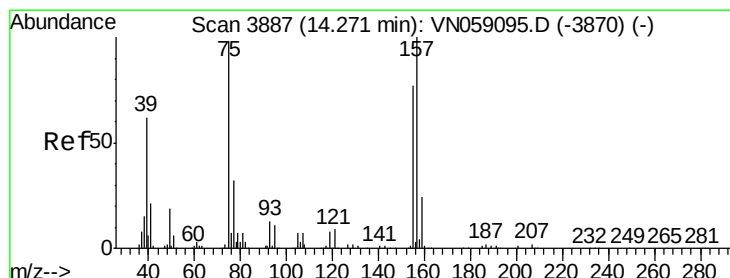
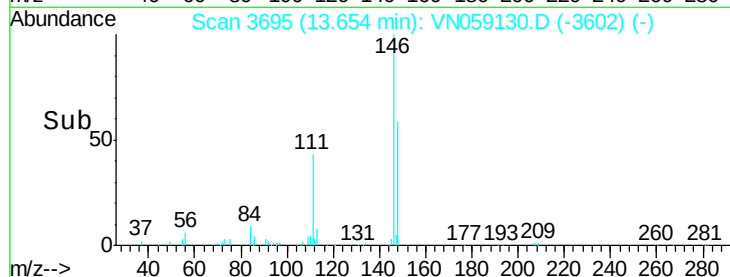
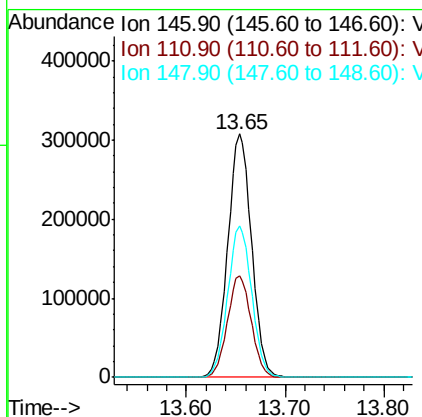
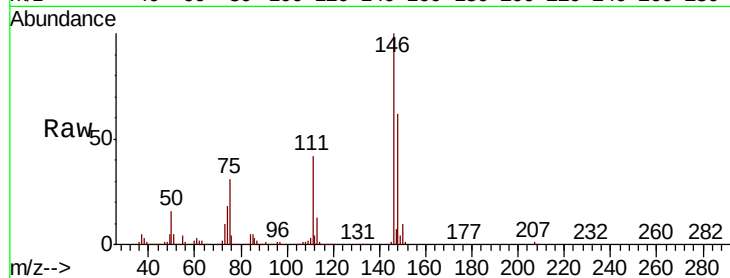
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	519866
Ion Ratio		Lower	Upper
146	100		
111	41.8	21.2	63.6
148	62.8	31.6	94.7

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 42.566 ug/l

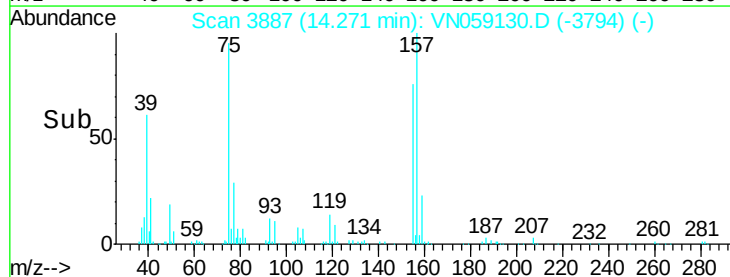
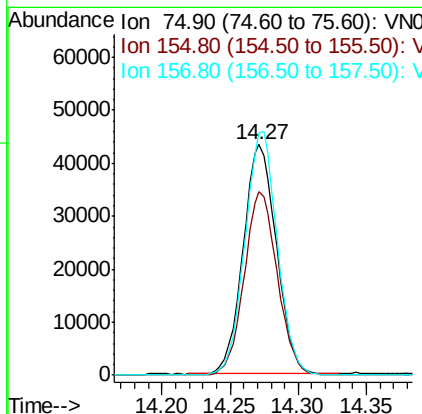
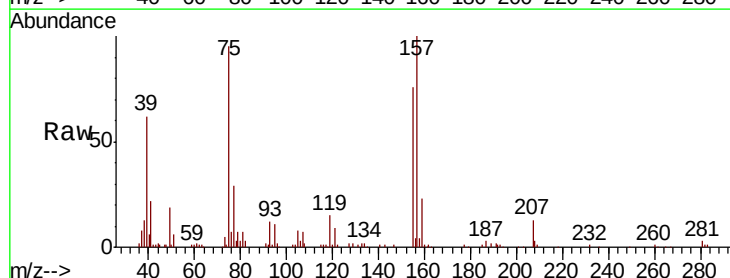
RT: 14.27 min Scan# 3887

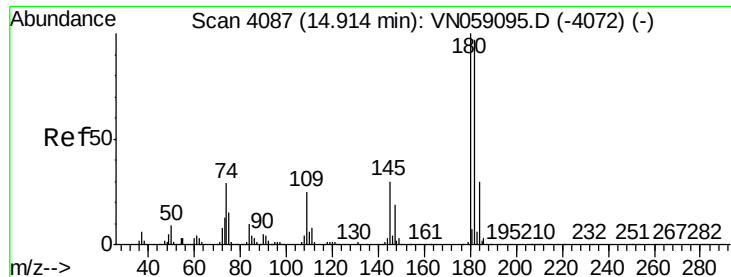
Delta R.T. 0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Tgt Ion:	75	Resp:	73304
Ion Ratio		Lower	Upper
75	100		
155	79.5	40.2	120.6
157	103.8	51.8	155.5





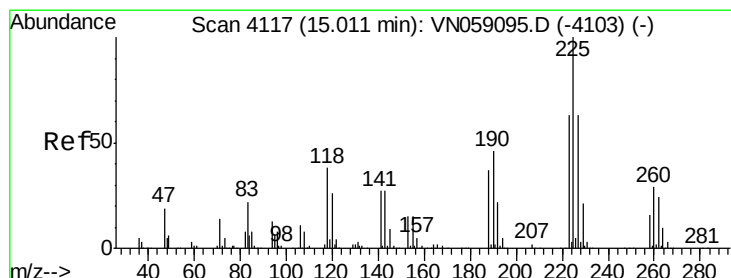
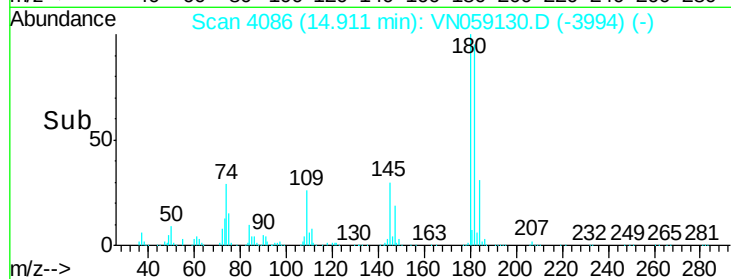
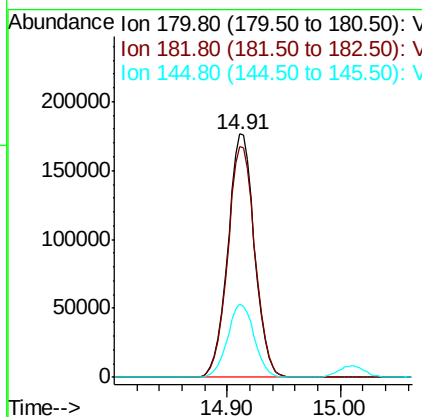
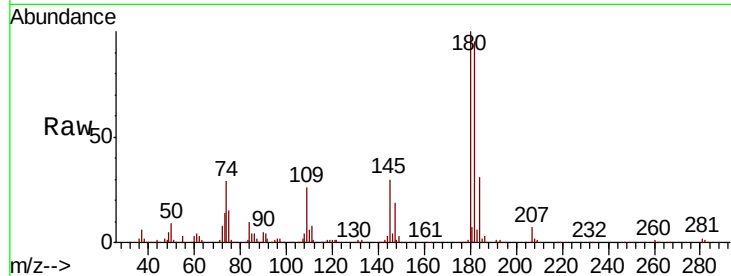
#93
 1,2,4-Trichlorobenzene
 Concen: 44.580 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059130.D
 Acq: 8 Nov 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	96.9	48.1	144.3
145	30.4	15.1	45.3

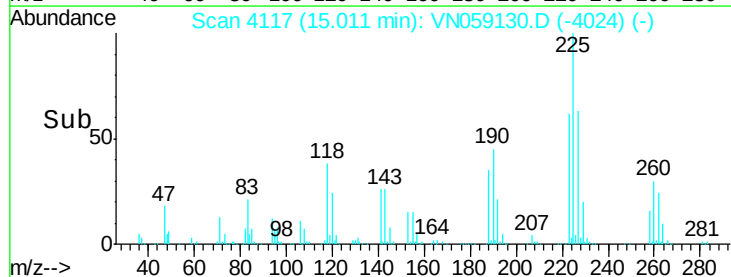
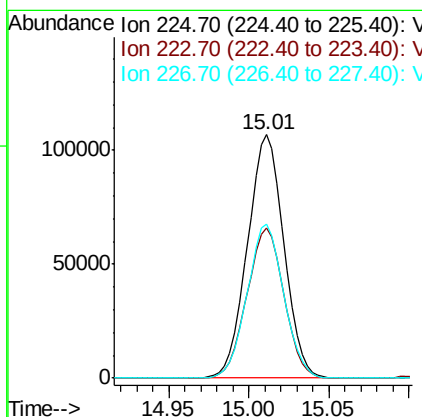
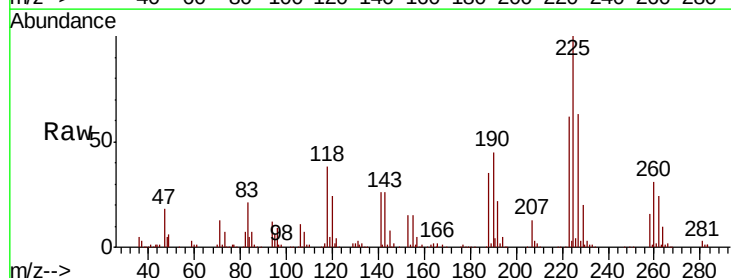
Manual Integrations
 APPROVED

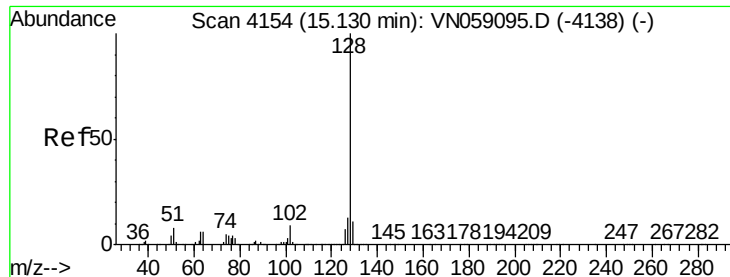
MMDadoda
 11/11/2019 10:34:49 AM



#94
 Hexachlorobutadiene
 Concen: 45.050 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059130.D
 Acq: 8 Nov 2019 8:50

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	62.8	31.3	93.9
227	63.8	31.5	94.5





#95

Naphthalene

Concen: 42.481 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

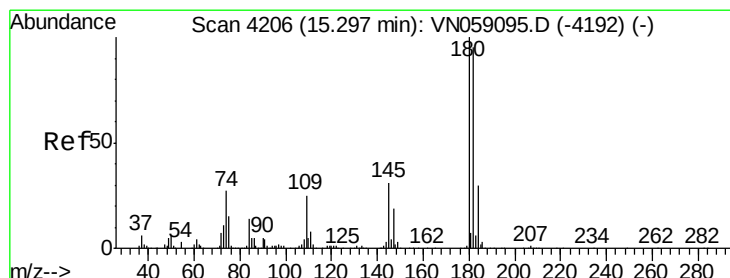
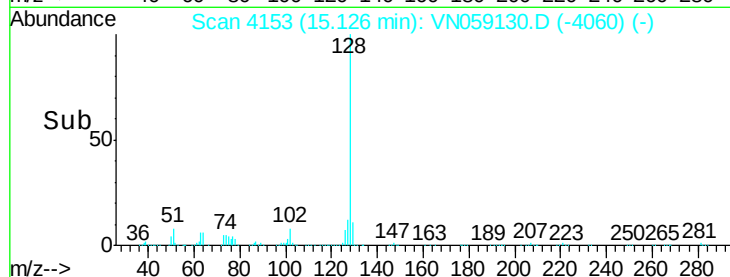
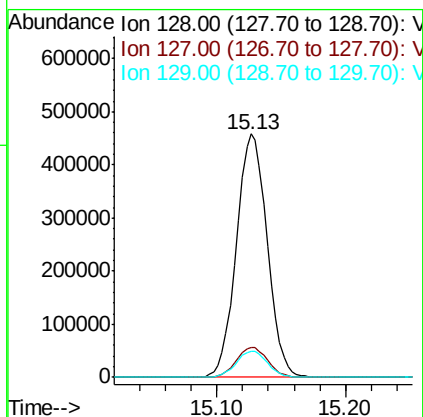
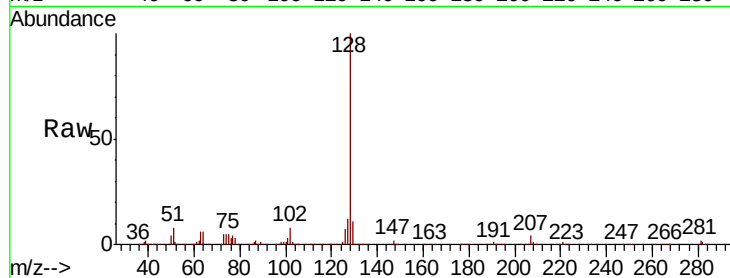
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	758352
Ion Ratio		Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/11/2019 10:34:49 AM



#96

1,2,3-Trichlorobenzene

Concen: 47.197 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Tgt Ion:	180	Resp:	283764
Ion Ratio		Lower	Upper
180	100		
182	94.5	47.3	141.8
145	31.2	15.8	47.3

