

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112219\
 Data File : VN059351.D
 Acq On : 22 Nov 2019 9:36
 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
 11/26/2019 2:43:10 PM

Quant Time: Nov 22 11:31:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	366370	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	571273	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	516241	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	244220	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	202403	46.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.08%	
35) Dibromofluoromethane	7.57	113	164141	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	
50) Toluene-d8	10.08	98	663019	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
62) 4-Bromofluorobenzene	12.40	95	240913	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	225473	48.072	ug/l	100
3) Chloromethane	2.04	50	269978	46.985	ug/l	99
4) Vinyl Chloride	2.17	62	285926	48.332	ug/l	100
5) Bromomethane	2.54	94	152721	46.499	ug/l	98
6) Chloroethane	2.68	64	147102	45.561	ug/l	98
7) Trichlorofluoromethane	3.00	101	287529	45.134	ug/l	98
8) Diethyl Ether	3.38	74	125915	48.347	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	186634	47.911	ug/l	100
10) Methyl Iodide	3.93	142	253737	52.410	ug/l	98
11) Tert butyl alcohol	4.74	59	203006	230.660	ug/l	100
12) 1,1-Dichloroethene	3.71	96	184828	46.743	ug/l	98
13) Acrolein	3.58	56	174185	216.809	ug/l	98
14) Allyl chloride	4.29	41	319424	43.242	ug/l	94
15) Acrylonitrile	4.95	53	546429	234.820	ug/l	100
16) Acetone	3.79	43	542337	275.157	ug/l	98
17) Carbon Disulfide	4.03	76	584280	47.156	ug/l	100
18) Methyl Acetate	4.29	43	307357	46.988	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	623841	48.847	ug/l	100
20) Methylene Chloride	4.52	84	210977	47.460	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	201405	48.060	ug/l	98
22) Diisopropyl ether	5.92	45	675349	48.558	ug/l	98
23) Vinyl Acetate	5.86	43	2678834	244.935	ug/l	99
24) 1,1-Dichloroethane	5.82	63	380515	48.607	ug/l	99
25) 2-Butanone	6.80	43	751881	245.319	ug/l	97
26) 2,2-Dichloropropane	6.80	77	320784	47.323	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	223027	47.170	ug/l	100
28) Bromochloromethane	7.17	49	161078	50.489	ug/l	98
29) Tetrahydrofuran	7.18	42	484918	228.813	ug/l	99
30) Chloroform	7.35	83	360234	47.414	ug/l	97
31) Cyclohexane	7.63	56	355793	45.967	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	312564	47.887	ug/l	99
36) 1,1-Dichloropropene	7.77	75	284290	48.205	ug/l	99
37) Ethyl Acetate	6.90	43	294982	46.540	ug/l	98
38) Carbon Tetrachloride	7.75	117	271002	48.000	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	352857	49.617	ug/l	99
40) Benzene	8.02	78	855868	49.446	ug/l	100
41) Methacrylonitrile	7.16	41	145685m	51.777	ug/l	
42) 1,2-Dichloroethane	8.10	62	277161	48.416	ug/l	100
43) Isopropyl Acetate	8.14	43	464726	47.977	ug/l	99
44) Trichloroethene	8.82	130	216098	49.261	ug/l	97
45) 1,2-Dichloropropane	9.10	63	229250	49.668	ug/l	98
46) Dibromomethane	9.19	93	139271	49.193	ug/l	99
47) Bromodichloromethane	9.39	83	282356	49.799	ug/l	100
48) Methyl methacrylate	9.18	41	211804	48.083	ug/l	97
49) 1,4-Dioxane	9.18	88	71150	1074.726	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	1446399	255.106	ug/l	99
52) Toluene	10.15	92	522343	50.187	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	333010	50.524	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	361833	50.590	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	201392	49.767	ug/l	99
56) Ethyl methacrylate	10.42	69	317877	46.664	ug/l	99
57) 1,3-Dichloropropane	10.70	76	350992	49.765	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	400721	167.966	ug/l	100
59) 2-Hexanone	10.75	43	1072658	258.367	ug/l	98
60) Dibromochloromethane	10.90	129	217826	51.082	ug/l	100
61) 1,2-Dibromoethane	11.00	107	210327	49.952	ug/l	100
64) Tetrachloroethene	10.62	164	190867	47.804	ug/l	99
65) Chlorobenzene	11.43	112	548350	49.400	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	199975	49.590	ug/l	99
67) Ethyl Benzene	11.51	91	1002170	50.565	ug/l	100
68) m/p-Xylenes	11.62	106	750846	101.954	ug/l	100
69) o-Xylene	11.95	106	358000	50.777	ug/l	99
70) Styrene	11.96	104	587582	52.817	ug/l	100
71) Bromoform	12.13	173	156277	51.171	ug/l #	99
73) Isopropylbenzene	12.25	105	968059	48.388	ug/l	100
74) N-amyl acetate	12.07	43	383187	47.659	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	303957	45.929	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	299689m	53.117	ug/l	
77) Bromobenzene	12.53	156	229785	47.354	ug/l	98
78) n-propylbenzene	12.59	91	1134839	50.077	ug/l	100
79) 2-Chlorotoluene	12.68	91	660359	47.474	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	820347	48.778	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	111297	49.338	ug/l	98
82) 4-Chlorotoluene	12.78	91	682375	47.406	ug/l	99
83) tert-Butylbenzene	12.99	119	687778	48.422	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	811524	49.260	ug/l	99
85) sec-Butylbenzene	13.17	105	931917	48.815	ug/l	99
86) p-Isopropyltoluene	13.29	119	850183	50.046	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	413888	47.895	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	408908	47.825	ug/l	100
89) n-Butylbenzene	13.62	91	737545	49.492	ug/l	99
90) Hexachloroethane	13.88	117	152919	47.531	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	401405	48.011	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	57159	40.624	ug/l	96

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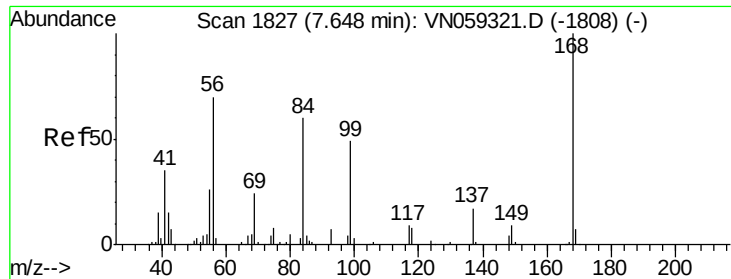
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	226479	43.931	ug/l	99
94) Hexachlorobutadiene	15.01	225	141327	46.917	ug/l	99
95) Naphthalene	15.13	128	573583	40.480	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	218393	43.063	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059351.D

Acq: 22 Nov 2019 9:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 366370

Ion Ratio Lower Upper

168 100

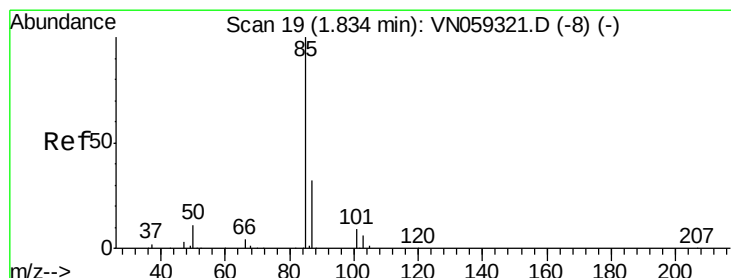
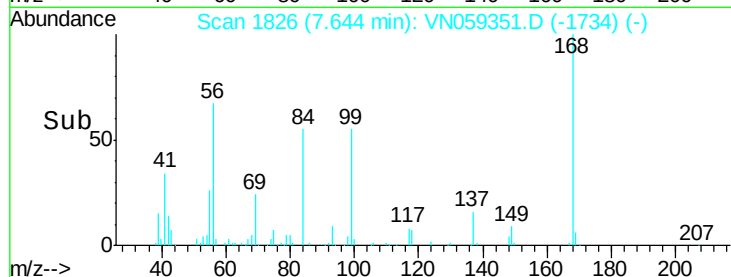
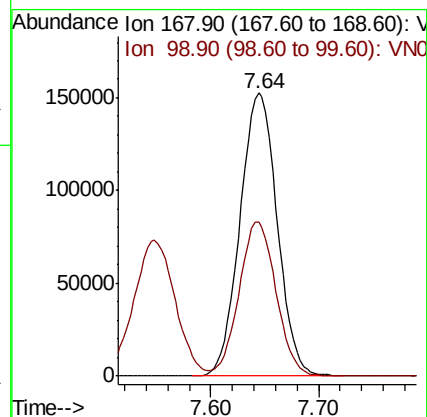
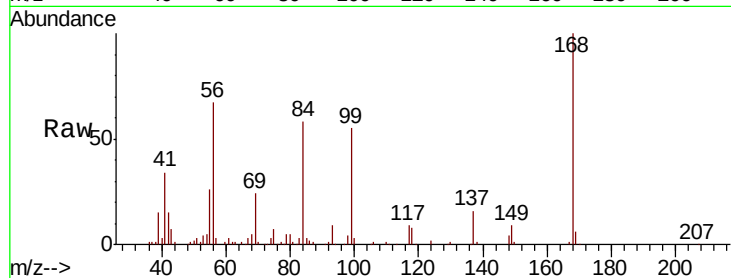
99 54.4 44.6 66.8

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 48.072 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059351.D

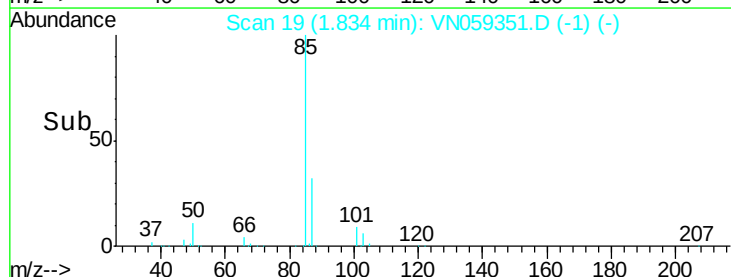
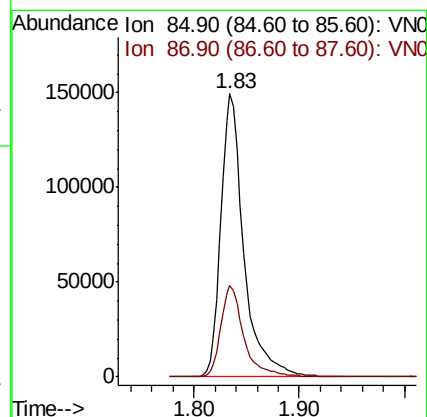
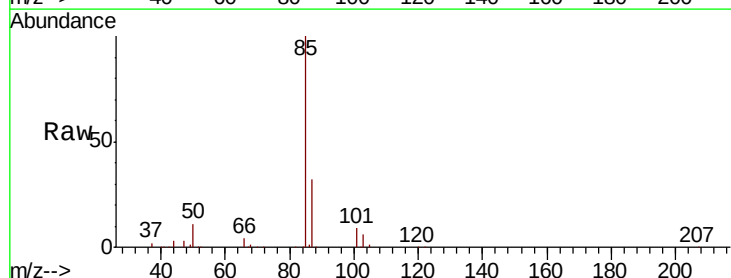
Acq: 22 Nov 2019 9:36

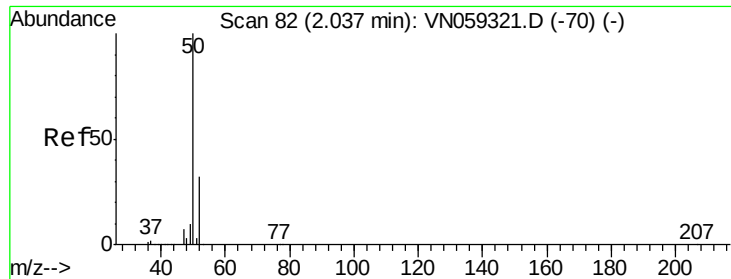
Tgt Ion: 85 Resp: 225473

Ion Ratio Lower Upper

85 100

87 32.2 16.0 48.0





#3

Chloromethane

Concen: 46.985 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059351.D

Acq: 22 Nov 2019 9:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 269978

Ion Ratio Lower Upper

50 100

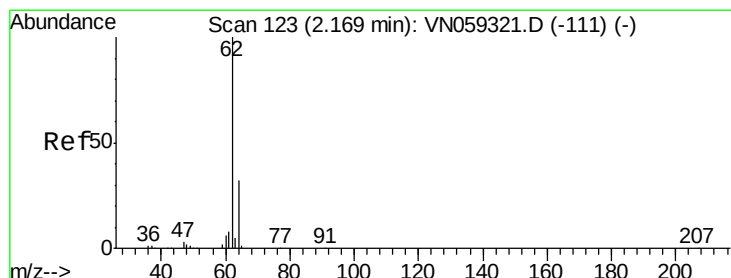
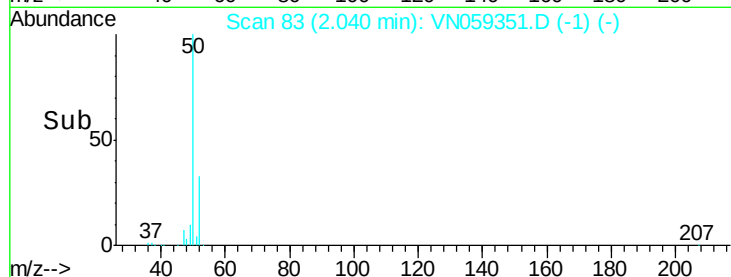
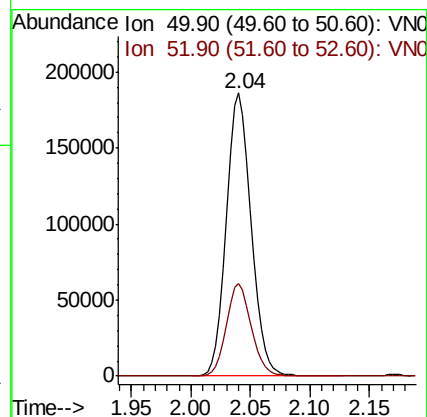
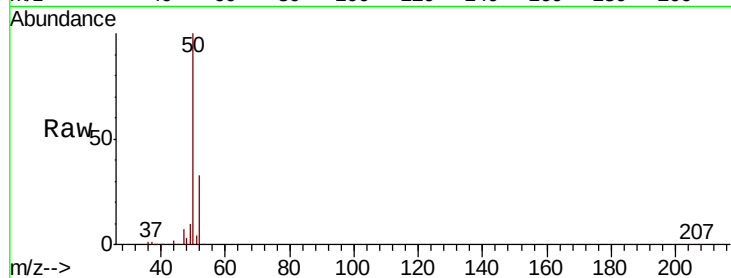
52 32.9 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.332 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059351.D

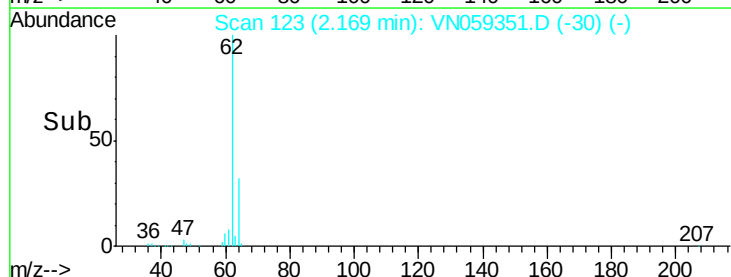
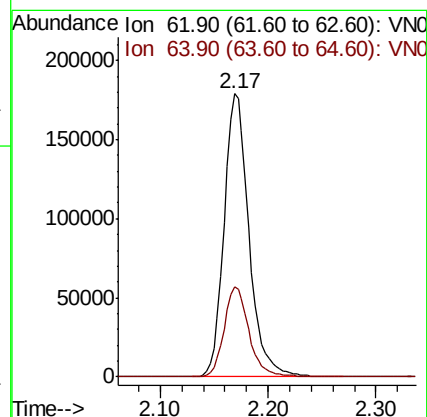
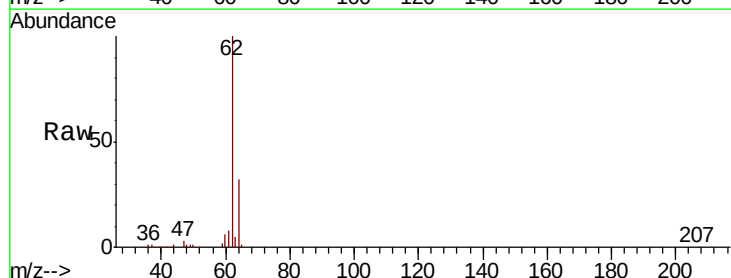
Acq: 22 Nov 2019 9:36

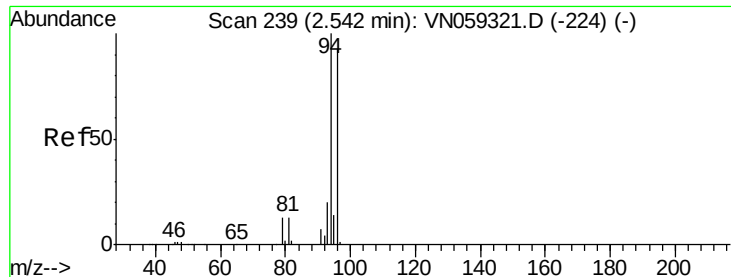
Tgt Ion: 62 Resp: 285926

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.0





#5

Bromomethane

Concen: 46.499 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN059351.D

Acq: 22 Nov 2019 9:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 152721

Ion Ratio Lower Upper

94 100

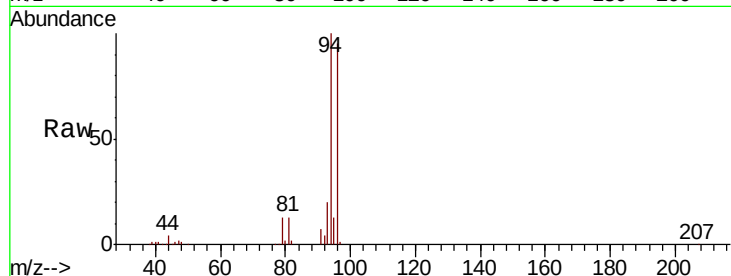
96 94.5 74.5 111.7

Manual Integrations

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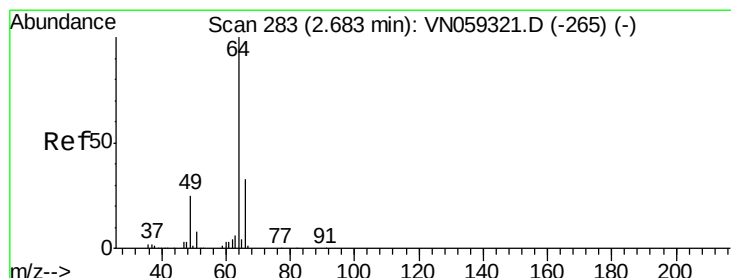
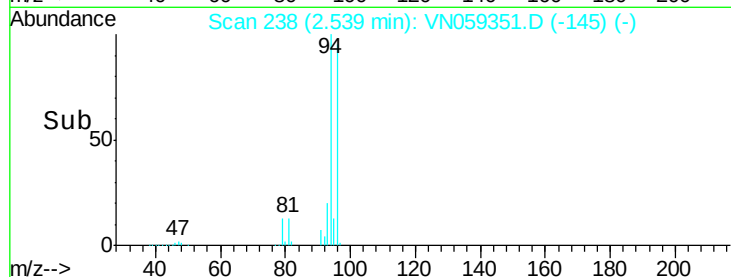
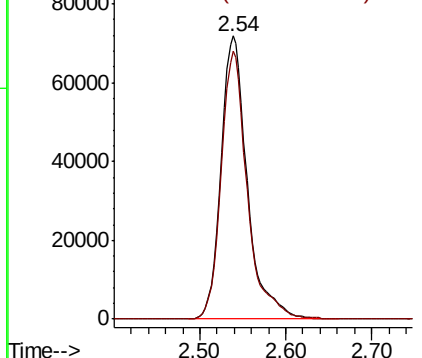
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 45.561 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN059351.D

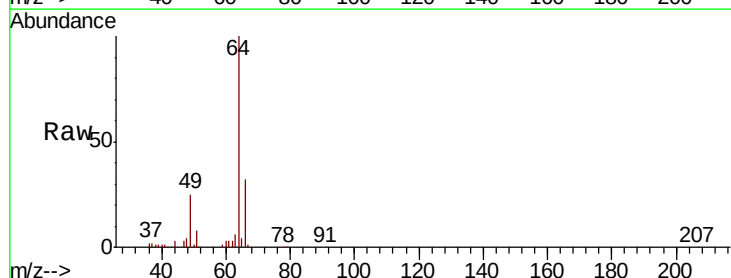
Acq: 22 Nov 2019 9:36

Tgt Ion: 64 Resp: 147102

Ion Ratio Lower Upper

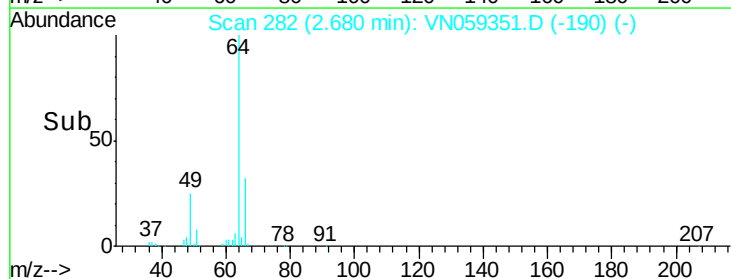
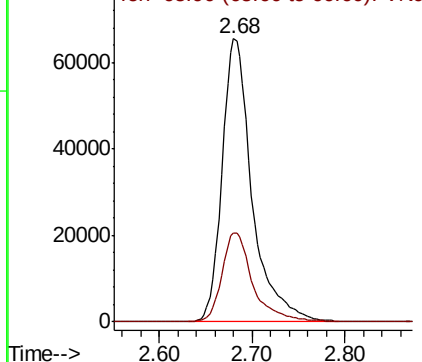
64 100

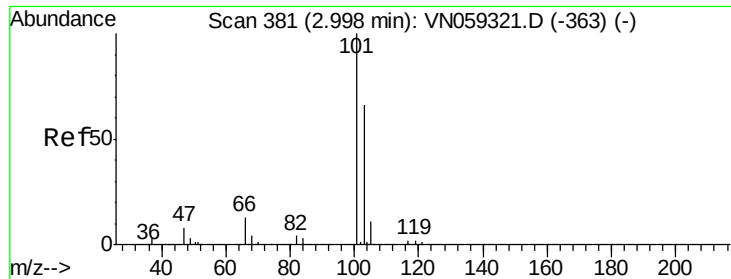
66 31.6 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

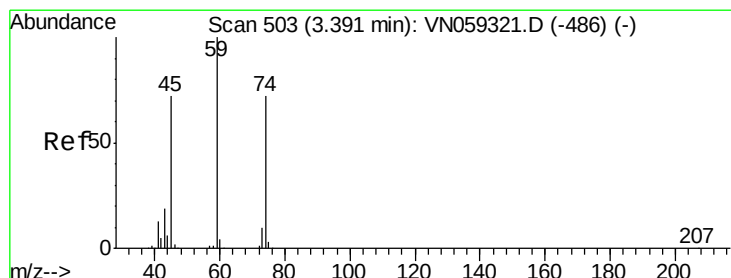
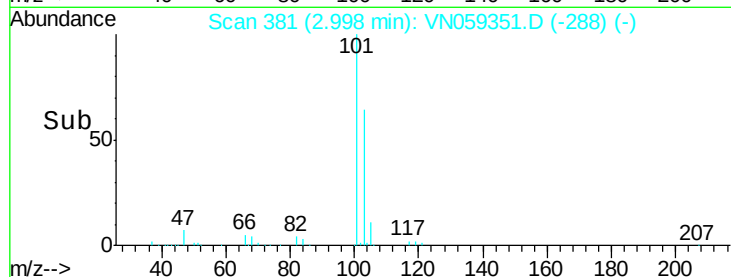
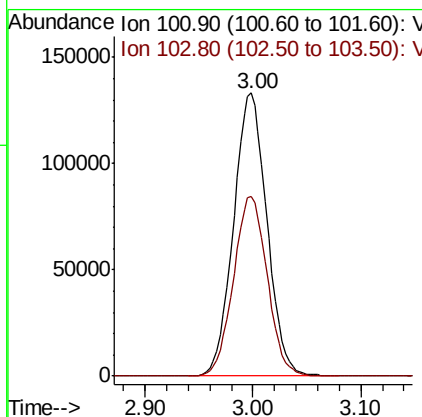
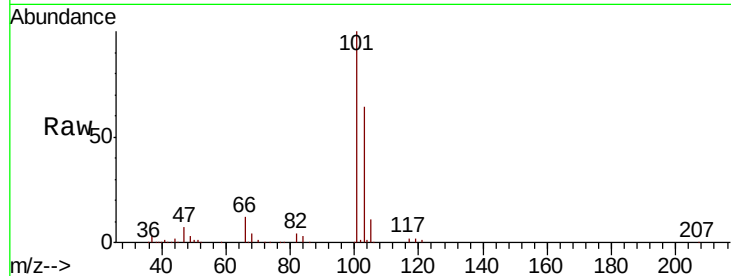
Trichlorofluoromethane
Concen: 45.134 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.00 min
Lab File: VN059351.D
Acq: 22 Nov 2019 9:36

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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	52.5	78.7

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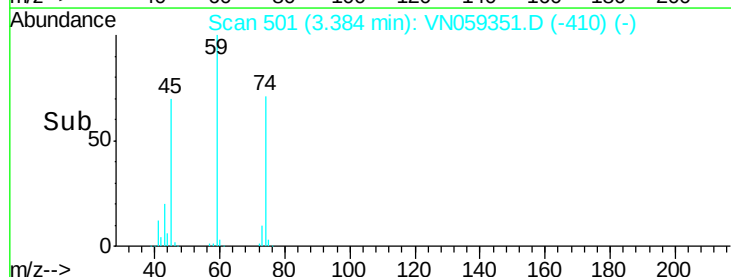
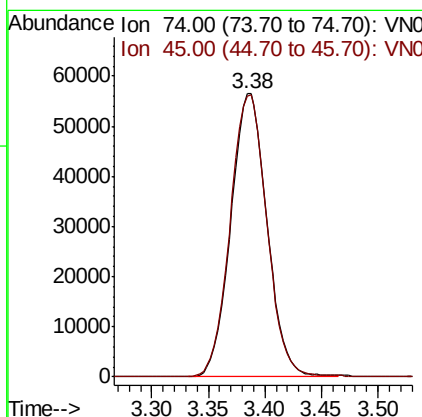
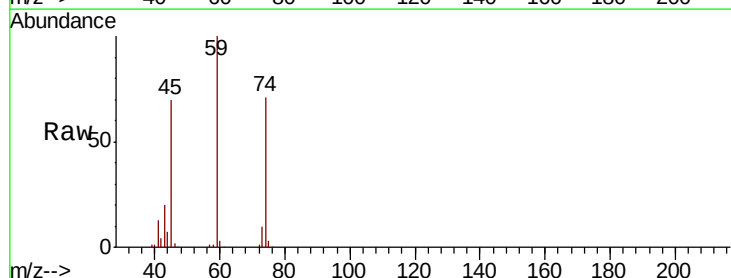
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11/26/2019 2:43:10 PM

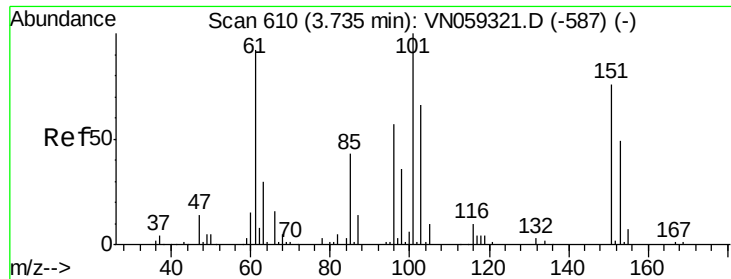


#8

Diethyl Ether
Concen: 48.347 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.01 min
Lab File: VN059351.D
Acq: 22 Nov 2019 9:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.1	51.7	155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.911 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059351.D

Acq: 22 Nov 2019 9:36

Instrument :

MSVOA_N

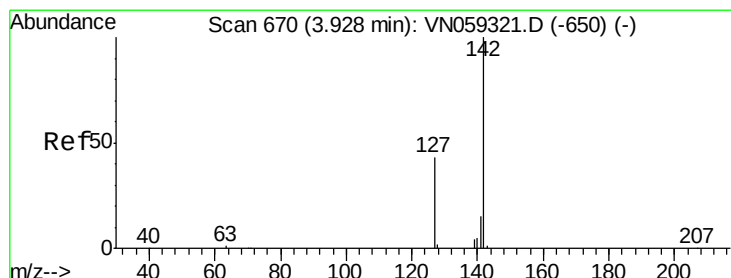
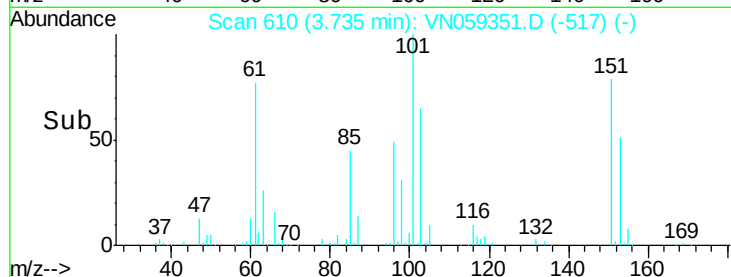
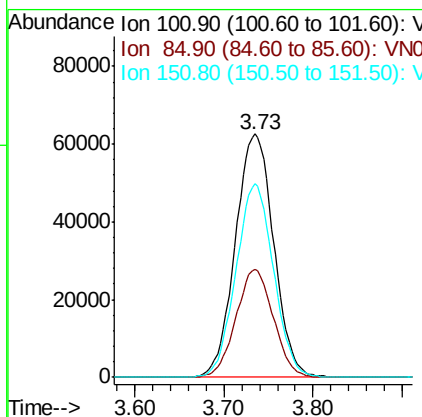
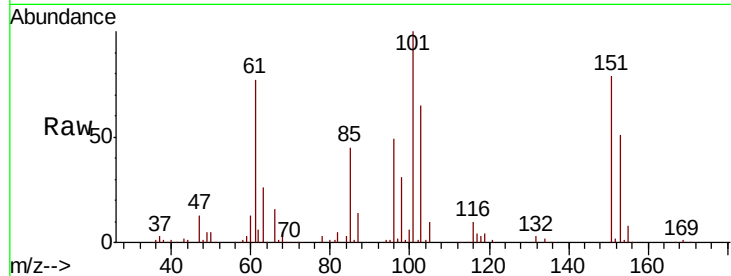
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	186634
Ion Ratio	Lower	Upper	
101	100		
85	43.3	34.8	52.2
151	78.0	62.2	93.4

Manual Integrations
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#10

Methyl Iodide

Concen: 52.410 ug/l

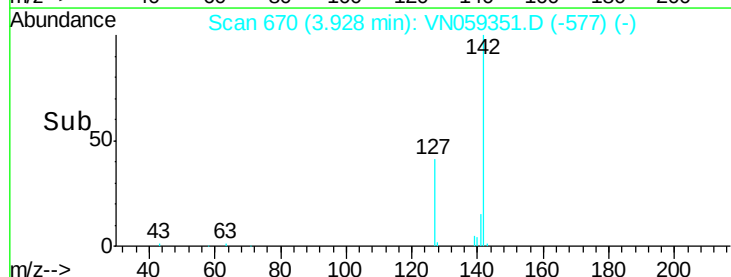
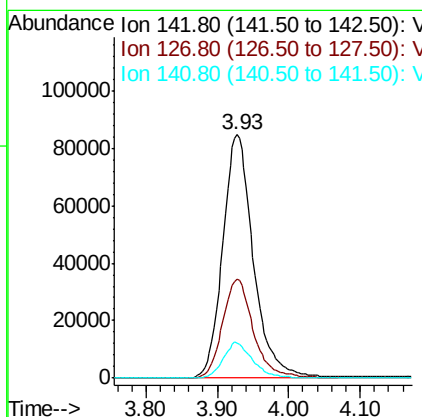
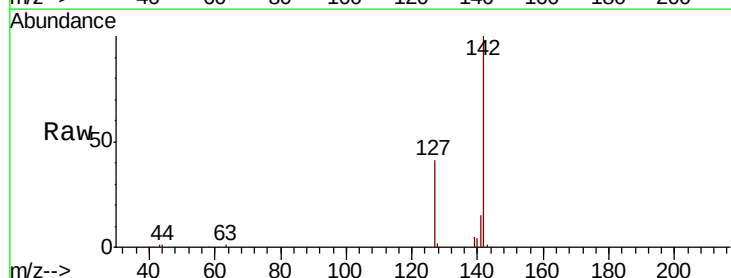
RT: 3.93 min Scan# 670

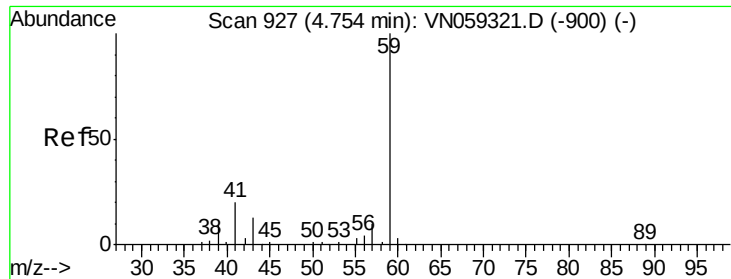
Delta R.T. -0.00 min

Lab File: VN059351.D

Acq: 22 Nov 2019 9:36

Tgt Ion:	142	Resp:	253737
Ion Ratio	Lower	Upper	
142	100		
127	40.8	33.8	50.6
141	14.1	11.2	16.8





#11

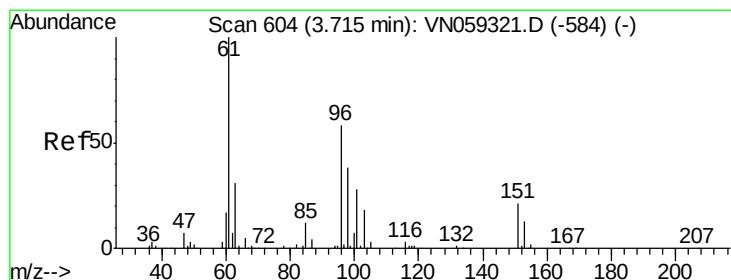
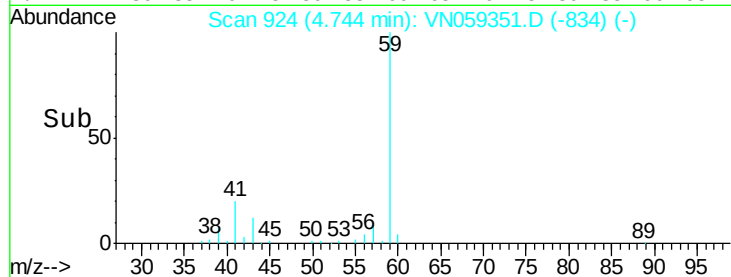
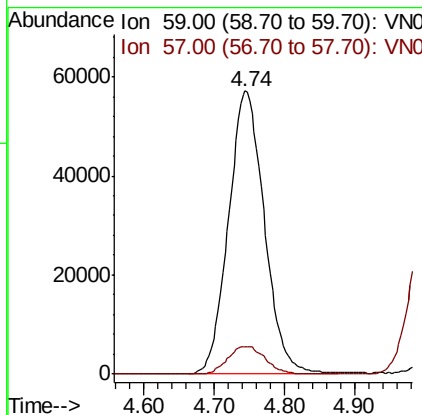
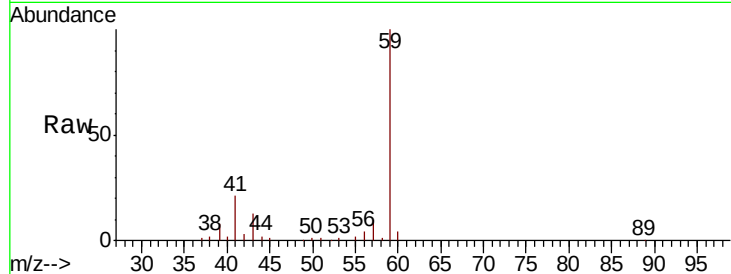
Tert butyl alcohol
Concen: 230.660 ug/l
RT: 4.74 min Scan# 924
Delta R.T. -0.01 min
Lab File: VN059351.D
Acq: 22 Nov 2019 9:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.2

Manual Integrations
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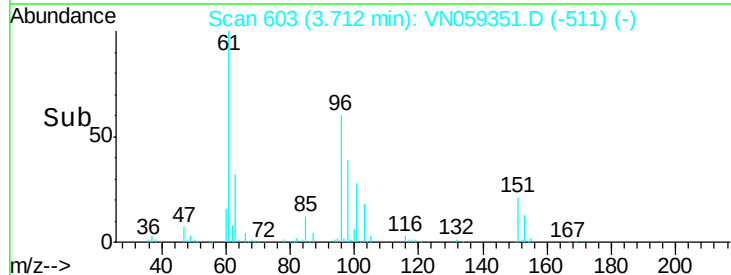
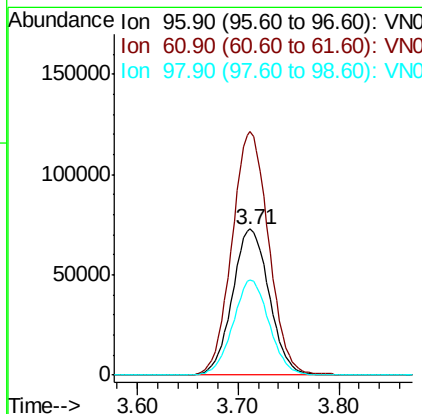
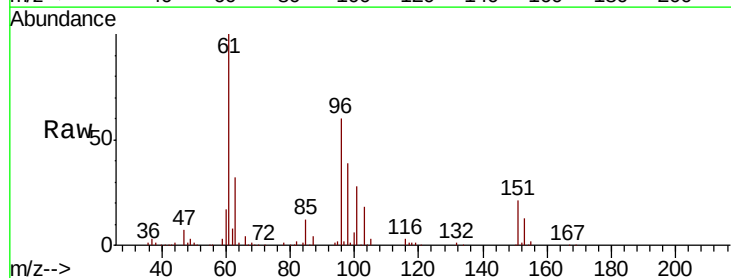
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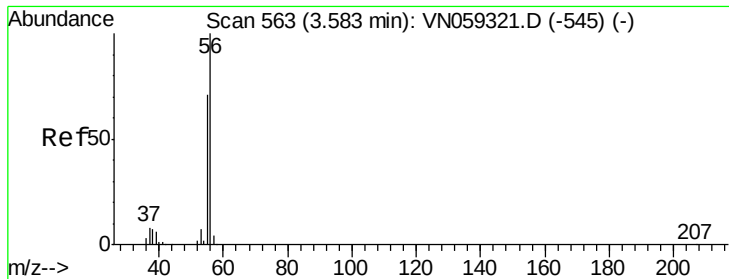


#12

1,1-Dichloroethene
Concen: 46.743 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059351.D
Acq: 22 Nov 2019 9:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.0	136.8	205.2
98	65.5	51.6	77.4





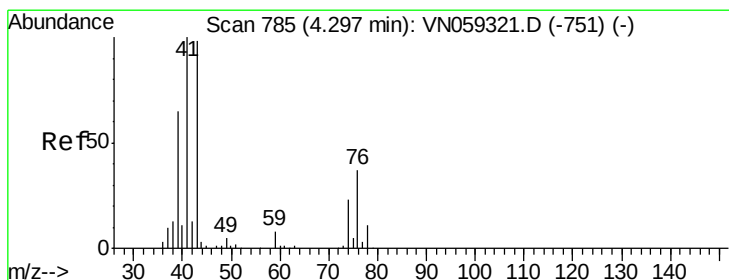
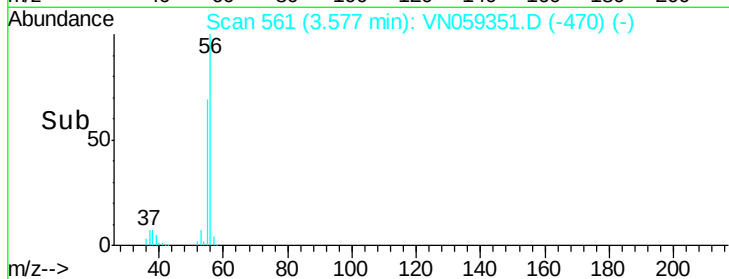
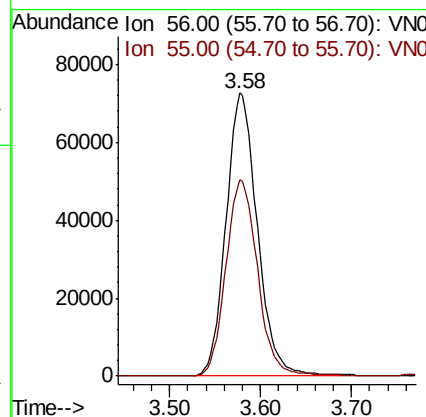
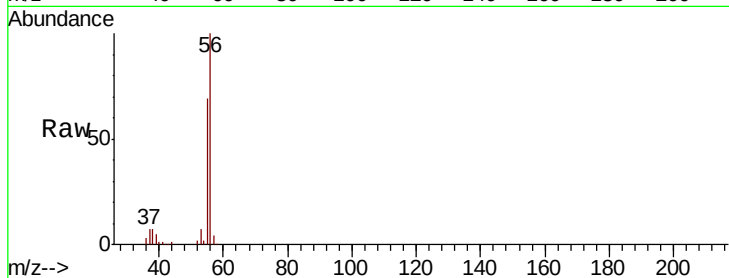
#13
Acrolein
Concen: 216.809 ug/l
RT: 3.58 min Scan# 561
Delta R.T. -0.01 min
Lab File: VN059351.D
Acq: 22 Nov 2019 9:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	174185
Ion Ratio	100	Lower	Upper
55	69.9	57.4	86.0

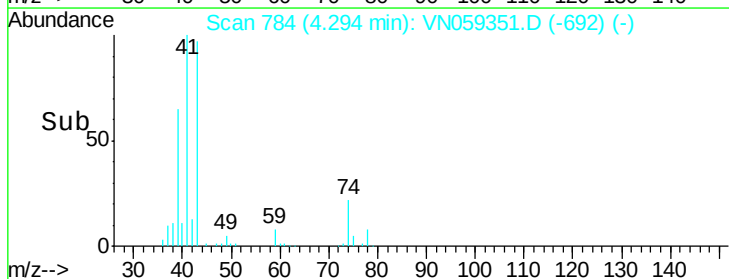
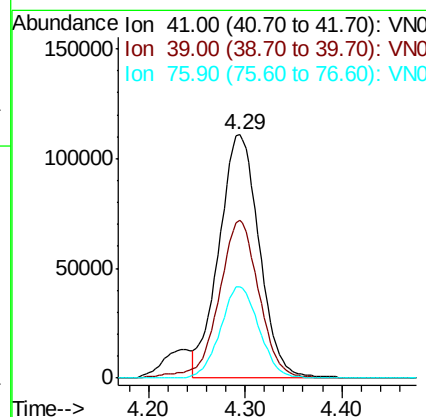
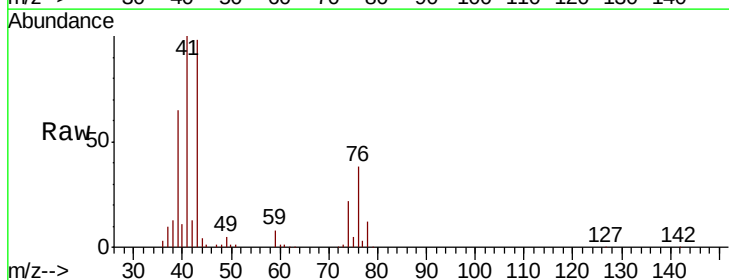
Manual Integrations
APPROVED

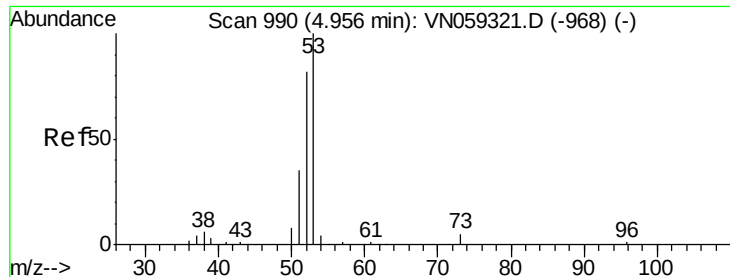
MMDadoda
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#14
Allyl chloride
Concen: 43.242 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059351.D
Acq: 22 Nov 2019 9:36

Tgt Ion	41	Resp	319424
Ion Ratio	100	Lower	Upper
39	65.0	48.4	72.6
76	36.3	26.2	39.4





#15

Acrylonitrile

Concen: 234.820 ug/l

RT: 4.95 min Scan# 987

Delta R.T. -0.01 min

Lab File: VN059351.D

Acq: 22 Nov 2019 9:36

Instrument :

MSVOA_N

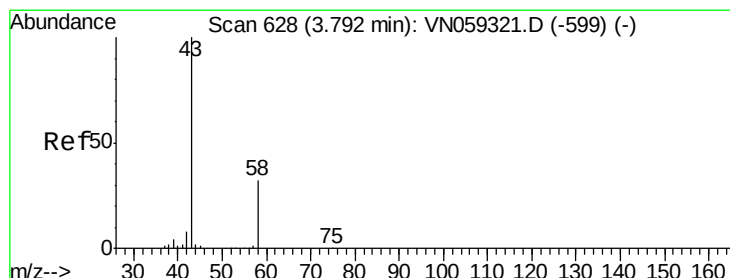
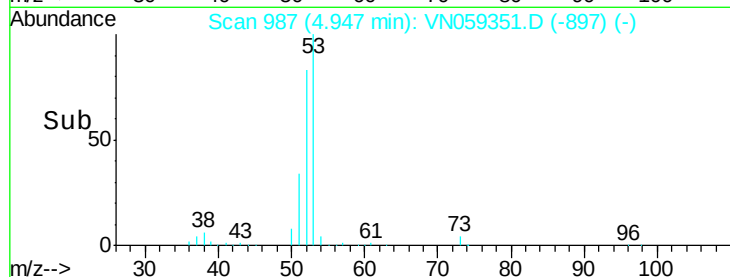
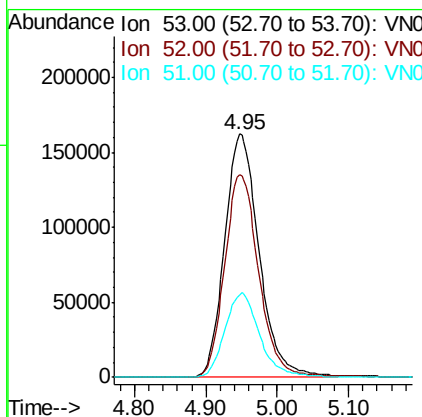
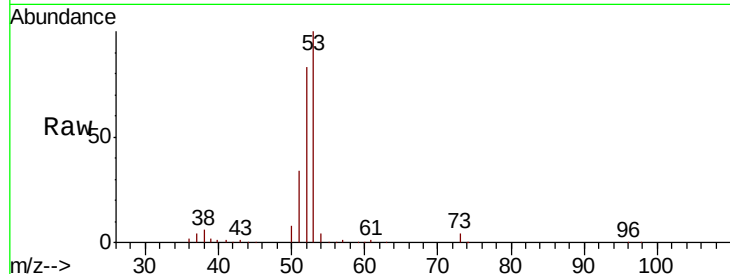
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	546429
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.8	98.8
51	35.2	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 275.157 ug/l

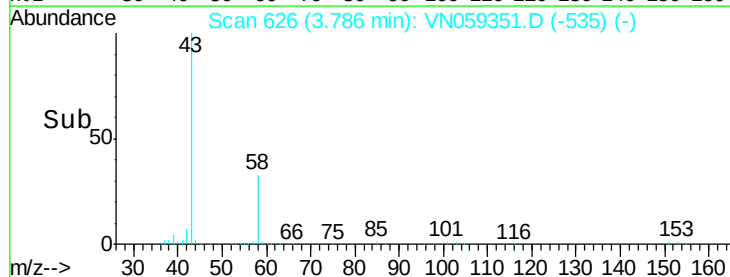
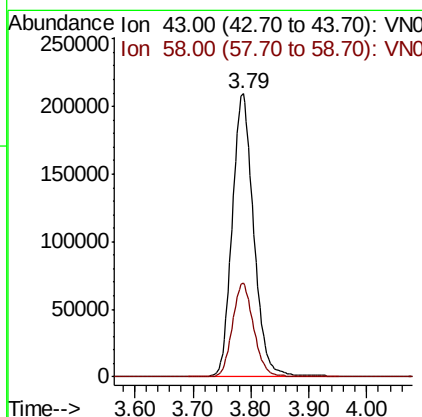
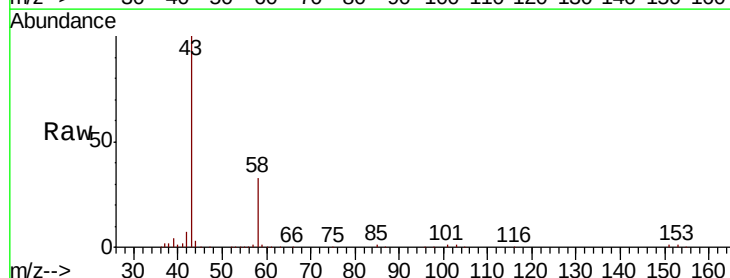
RT: 3.79 min Scan# 626

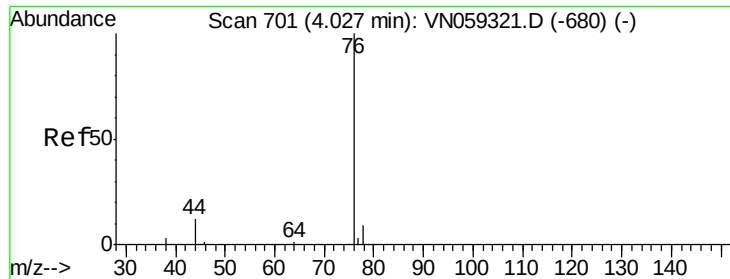
Delta R.T. -0.01 min

Lab File: VN059351.D

Acq: 22 Nov 2019 9:36

Tgt Ion:	43	Resp:	542337
Ion	Ratio	Lower	Upper
43	100		
58	33.1	25.8	38.6





#17

Carbon Disulfide

Concen: 47.156 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN059351.D

Acq: 22 Nov 2019 9:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 584280

Ion Ratio Lower Upper

76 100

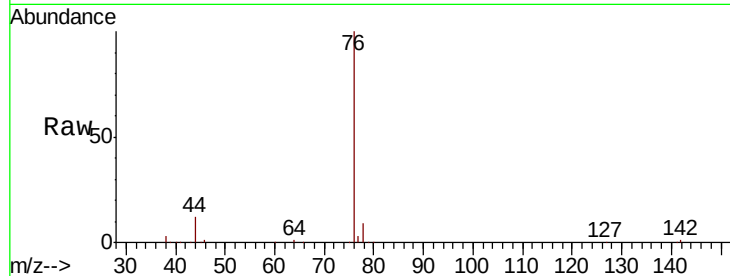
78 8.8 7.2 10.8

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

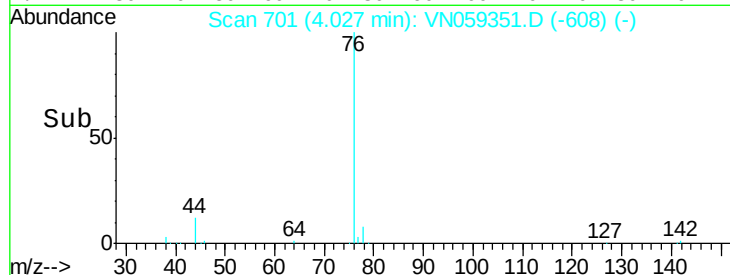
150000

100000

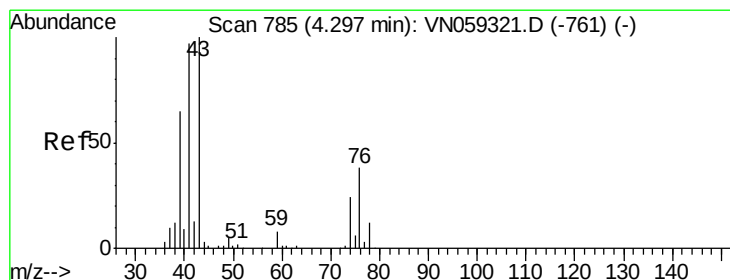
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 46.988 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN059351.D

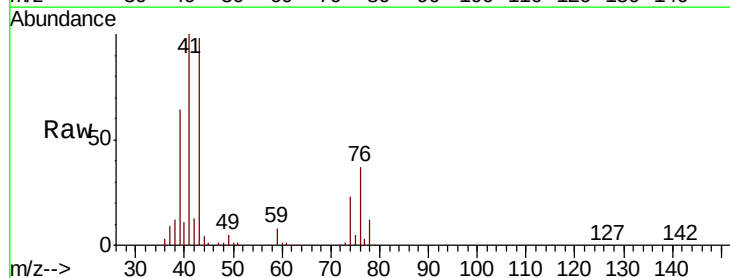
Acq: 22 Nov 2019 9:36

Tgt Ion: 43 Resp: 307357

Ion Ratio Lower Upper

43 100

74 22.9 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

120000

100000

80000

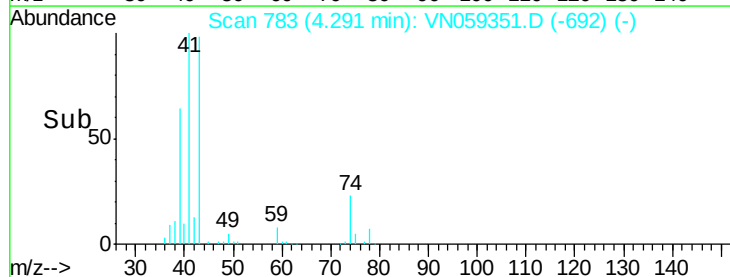
60000

40000

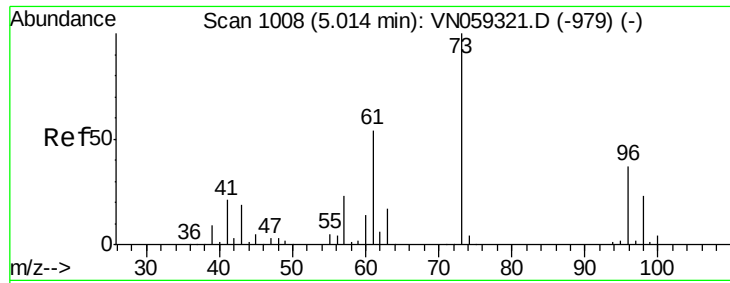
20000

0

Time-->



Time-->



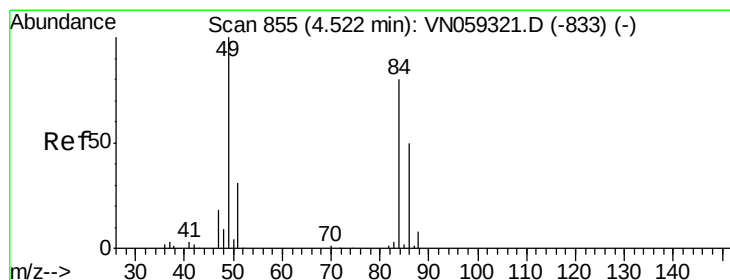
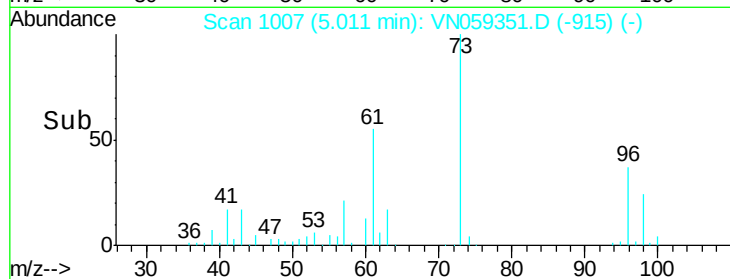
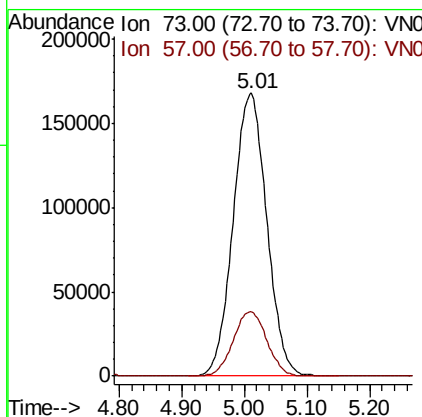
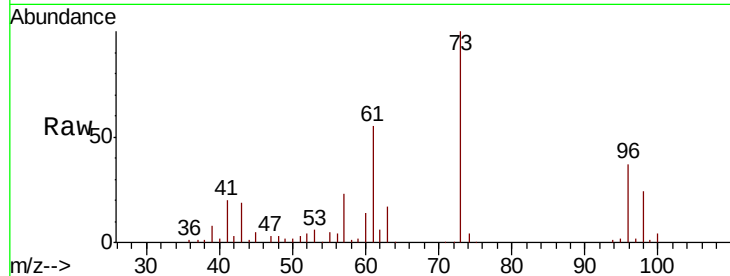
#19
Methyl tert-butyl Ether
Concen: 48.847 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059351.D
Acq: 22 Nov 2019 9:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 623841
Ion Ratio Lower Upper
73 100
57 22.9 18.4 27.6

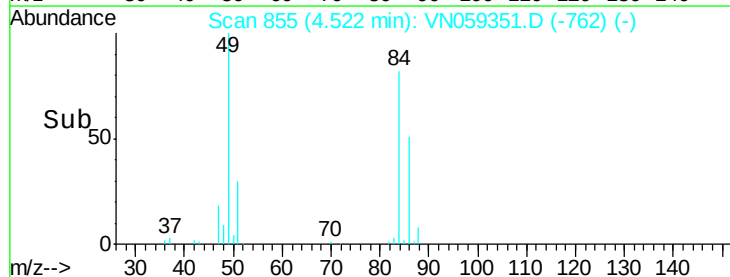
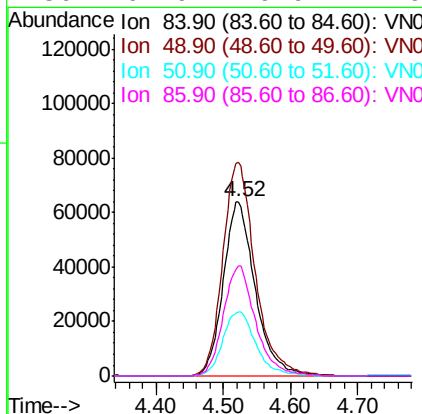
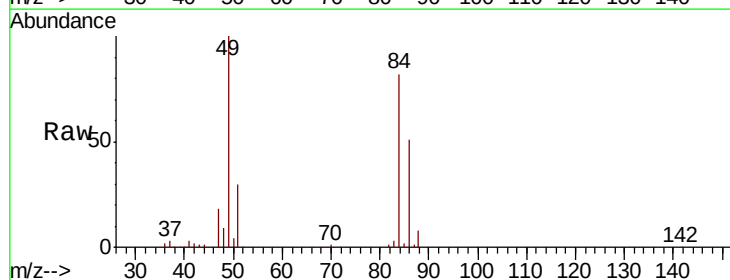
Manual Integrations
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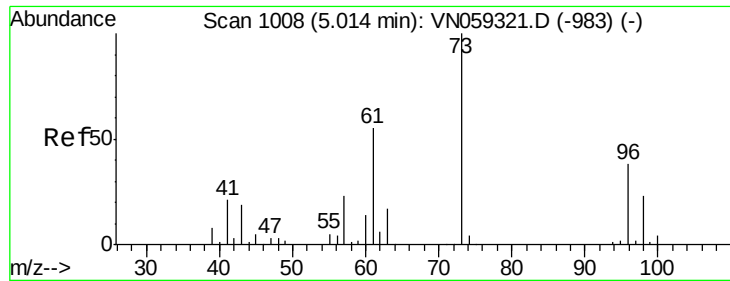
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#20
Methylene Chloride
Concen: 47.460 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059351.D
Acq: 22 Nov 2019 9:36

Tgt Ion: 84 Resp: 210977
Ion Ratio Lower Upper
84 100
49 122.7 99.5 149.3
51 37.0 31.1 46.7
86 62.9 49.9 74.9





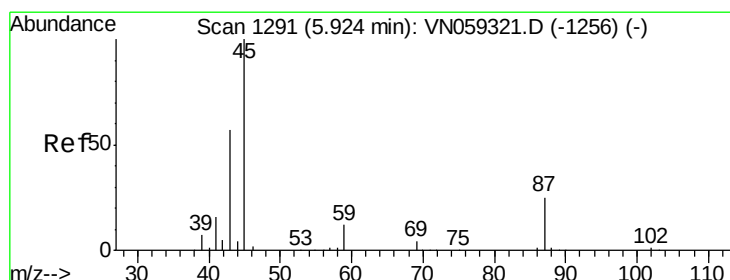
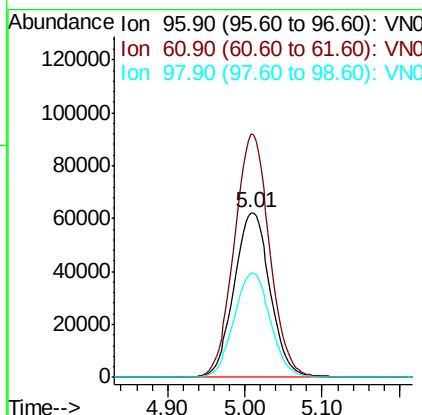
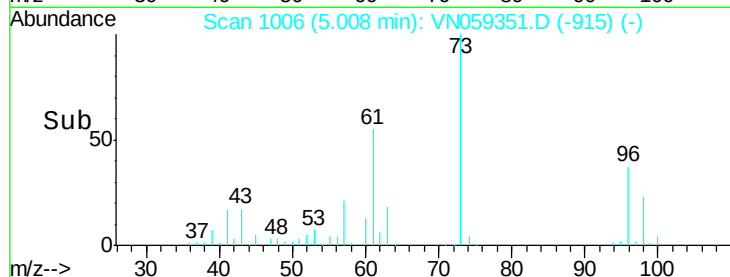
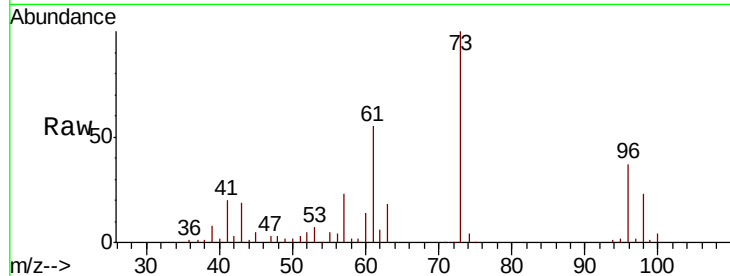
#21
trans-1,2-Dichloroethene
Concen: 48.060 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VN059351.D
Acq: 22 Nov 2019 9:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.0	116.4	174.6
98	63.1	49.6	74.4

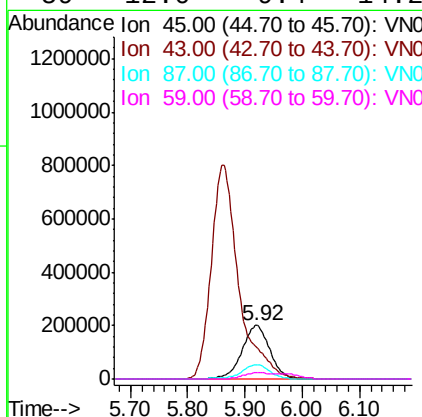
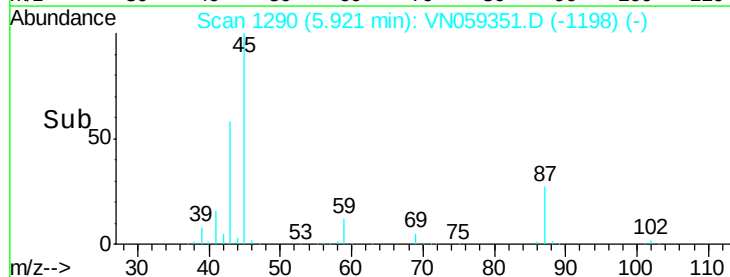
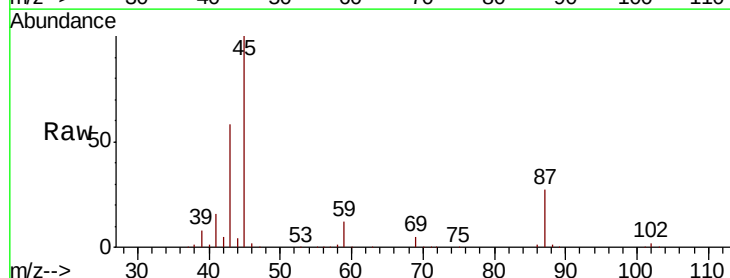
Manual Integrations
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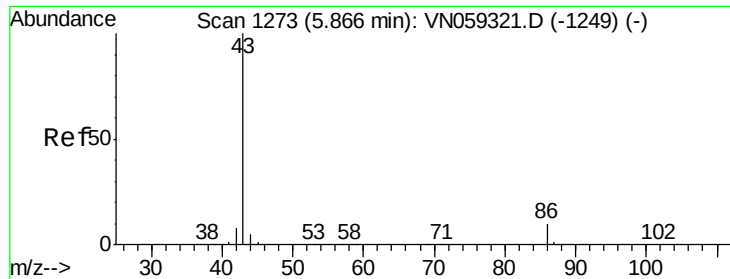
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#22
Diisopropyl ether
Concen: 48.558 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VN059351.D
Acq: 22 Nov 2019 9:36

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.4	47.6	71.4
87	27.2	20.7	31.1
59	12.0	9.4	14.2





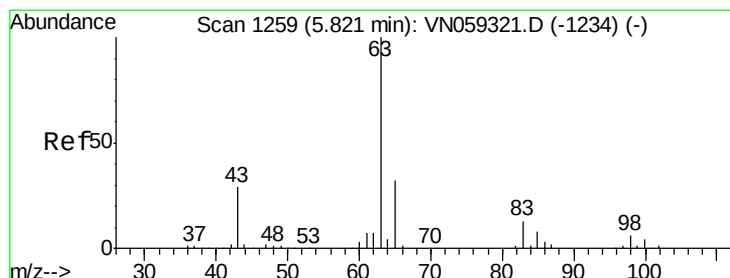
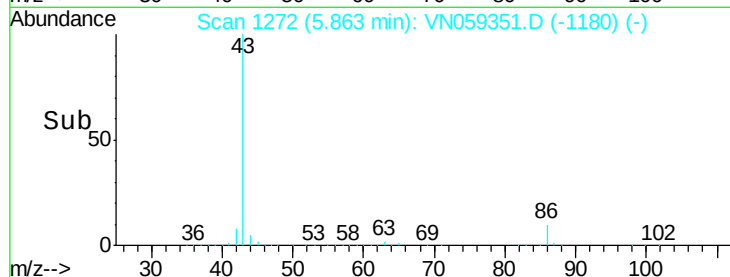
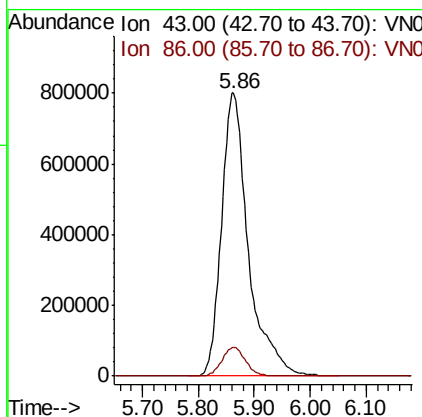
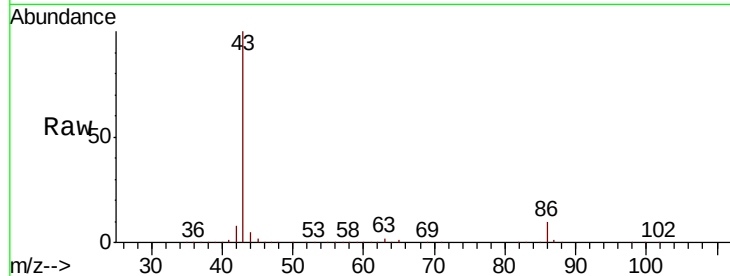
#23
 Vinyl Acetate
 Concen: 244.935 ug/l
 RT: 5.86 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VN059351.D
 Acq: 22 Nov 2019 9:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2678834
 Ion Ratio Lower Upper
 43 100
 86 10.2 8.0 12.0

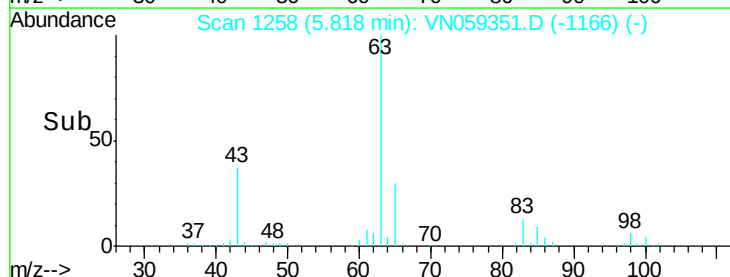
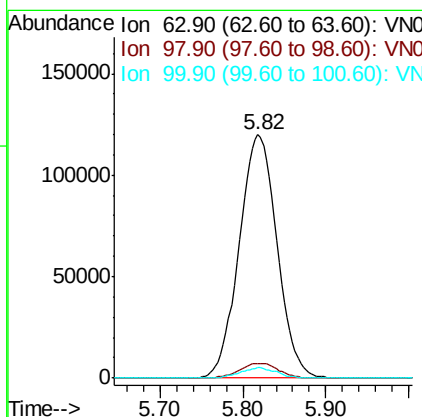
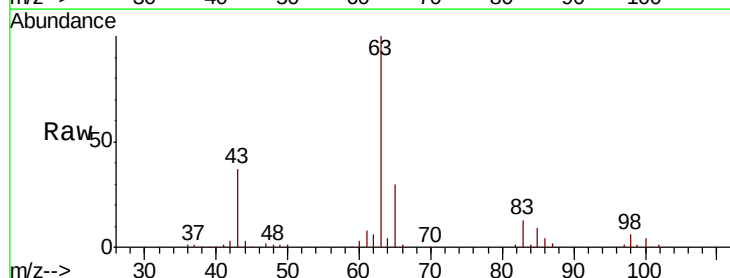
Manual Integrations
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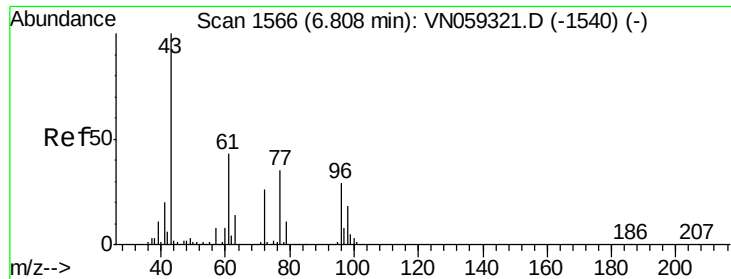
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#24
 1,1-Dichloroethane
 Concen: 48.607 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. -0.00 min
 Lab File: VN059351.D
 Acq: 22 Nov 2019 9:36

Tgt Ion: 63 Resp: 380515
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.9 8.8
 100 4.2 1.9 5.7





#25

2-Butanone

Concen: 245.319 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.01 min

Lab File: VN059351.D

Acq: 22 Nov 2019 9:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 751881

Ion Ratio Lower Upper

43 100

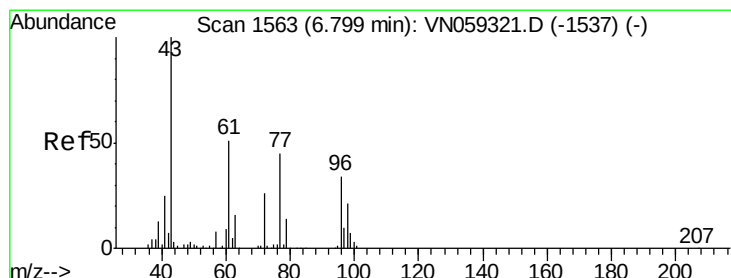
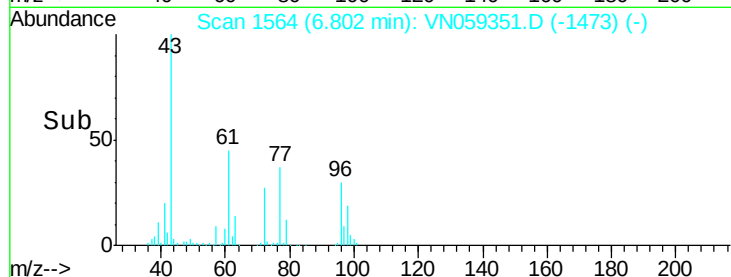
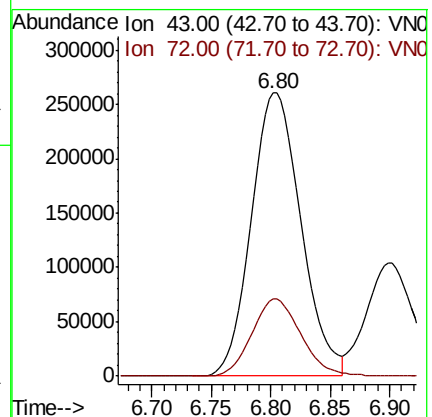
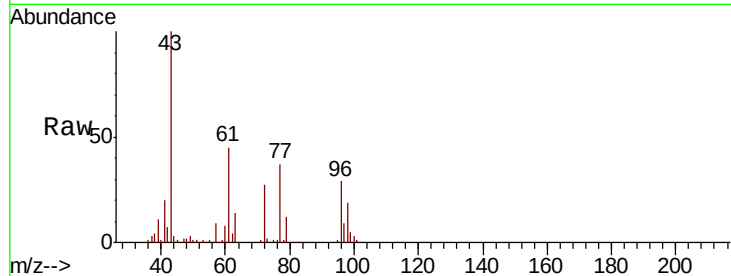
72 27.3 20.5 30.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.323 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059351.D

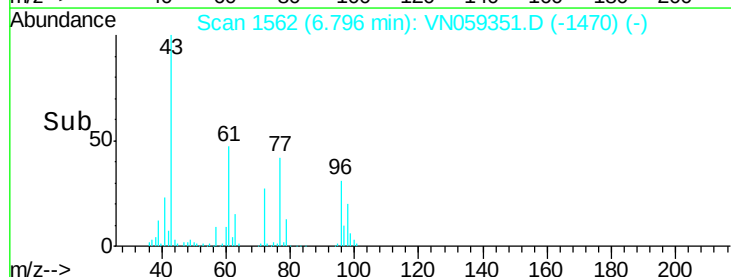
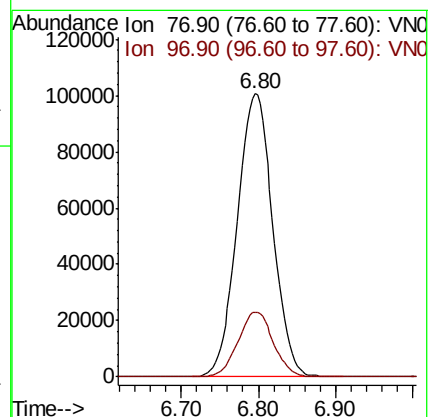
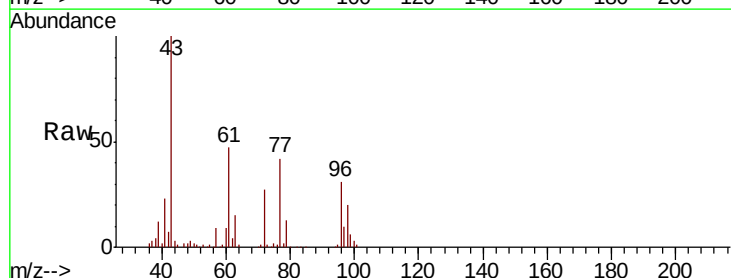
Acq: 22 Nov 2019 9:36

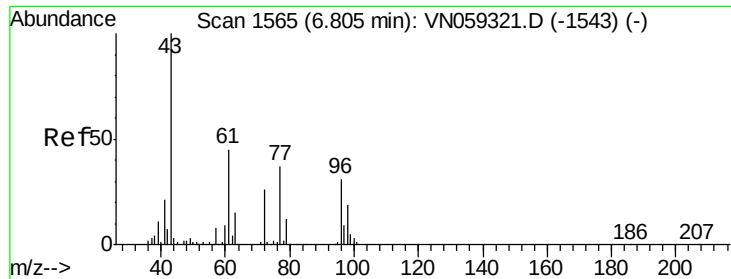
Tgt Ion: 77 Resp: 320784

Ion Ratio Lower Upper

77 100

97 22.7 11.5 34.4





#27

cis-1,2-Dichloroethene

Concen: 47.170 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VN059351.D

Acq: 22 Nov 2019 9:36

Instrument :

MSVOA_N

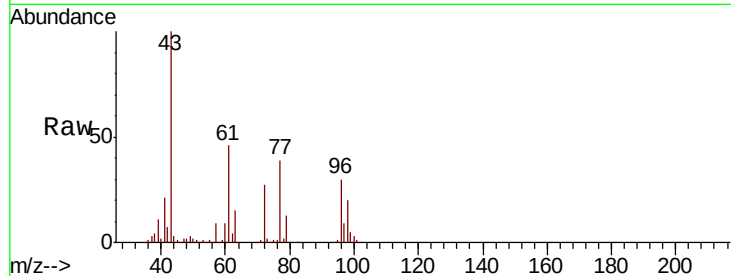
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	223027
Ion Ratio	Lower	Upper	
96	100		
61	152.1	0.0	304.0
98	65.4	0.0	128.4

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Abundance Ion 95.90 (95.60 to 96.60): VN059351.D (-1472) (-)

Ion 60.90 (60.60 to 61.60): VN059351.D (-1472) (-)

Ion 97.90 (97.60 to 98.60): VN059351.D (-1472) (-)

150000

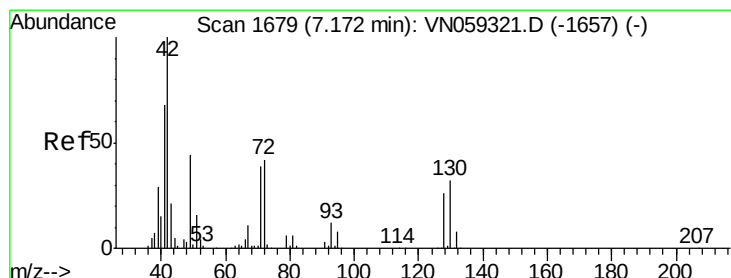
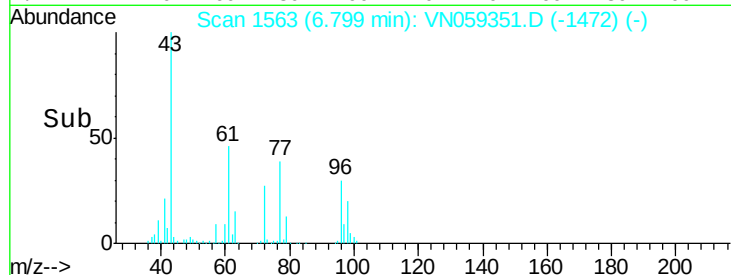
100000

50000

0

6.70 6.80 6.90

Time-->



#28

Bromochloromethane

Concen: 50.489 ug/l

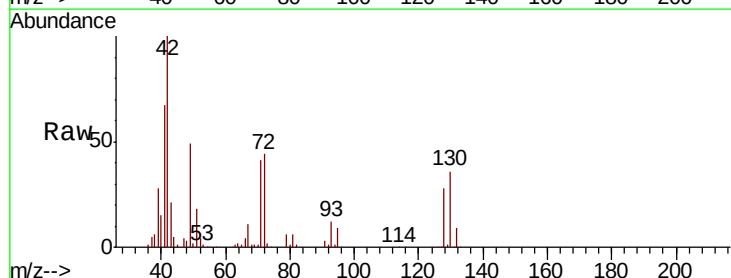
RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN059351.D

Acq: 22 Nov 2019 9:36

Tgt Ion:	49	Resp:	161078
Ion Ratio	Lower	Upper	
49	100		
129	1.7	0.0	3.8
130	73.0	57.0	85.6



Abundance Ion 48.90 (48.60 to 49.60): VN059351.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN059351.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN059351.D (-1585) (-)

80000

60000

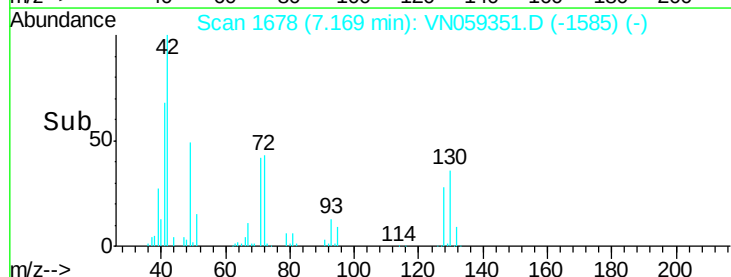
40000

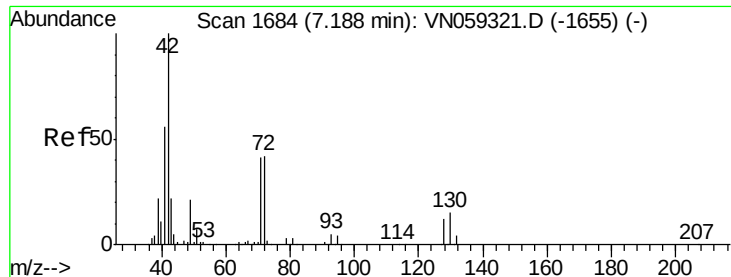
20000

0

7.10 7.20 7.30

Time-->





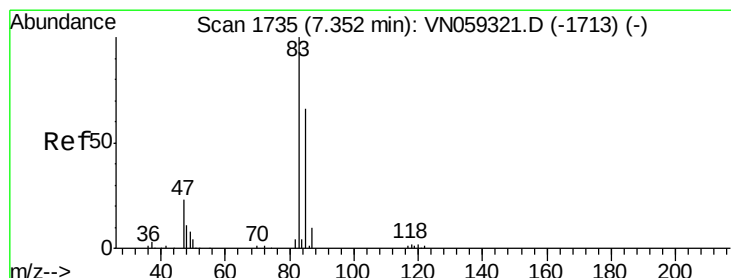
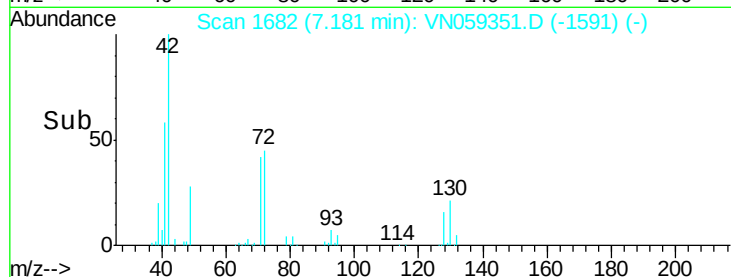
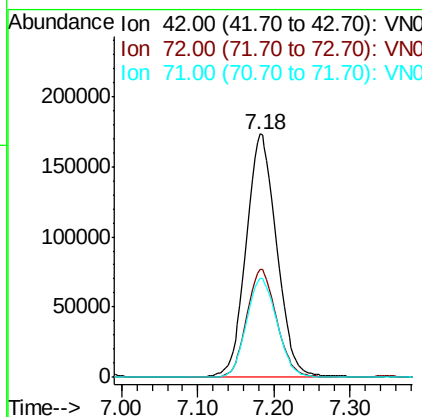
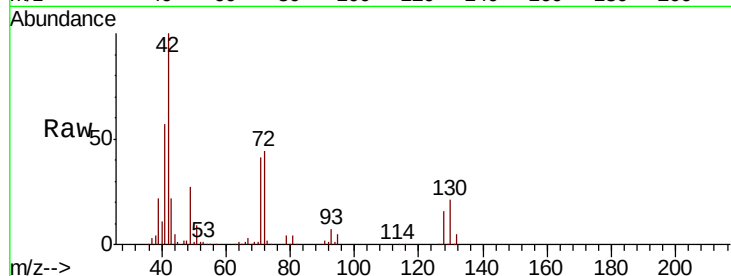
#29
Tetrahydrofuran
Concen: 228.813 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. -0.01 min
Lab File: VN059351.D
Acq: 22 Nov 2019 9:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	34.2	51.2
71	40.7	32.6	48.8

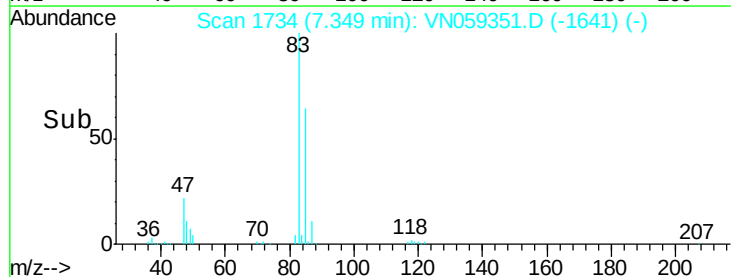
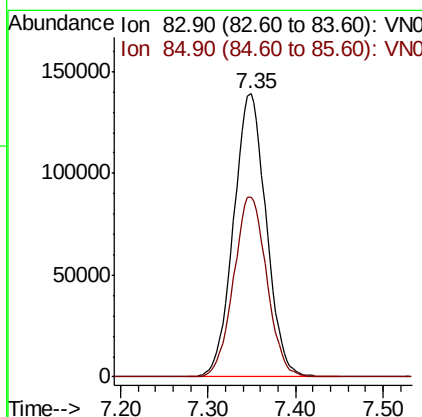
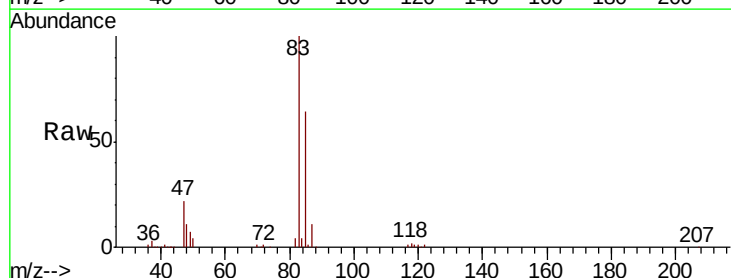
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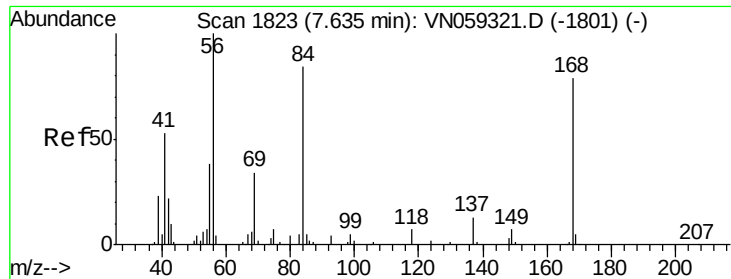
MMDadoda
11/26/2019 2:43:10 PM



#30
Chloroform
Concen: 47.414 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059351.D
Acq: 22 Nov 2019 9:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.7	79.1





#31

Cyclohexane

Concen: 45.967 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059351.D

Acq: 22 Nov 2019 9:36

Instrument :

MSVOA_N

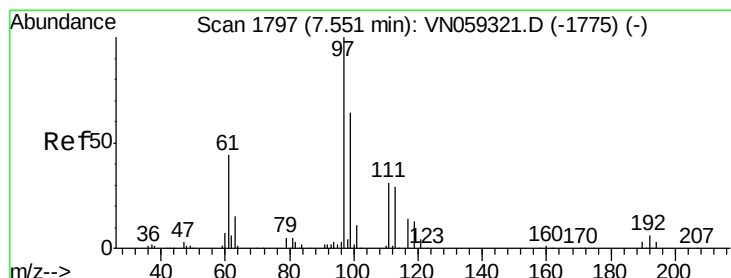
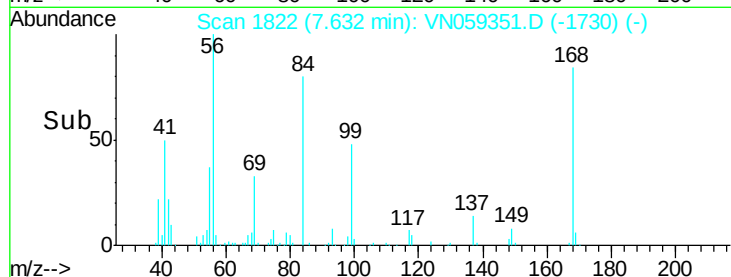
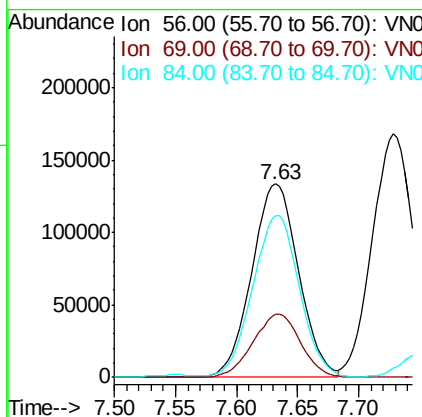
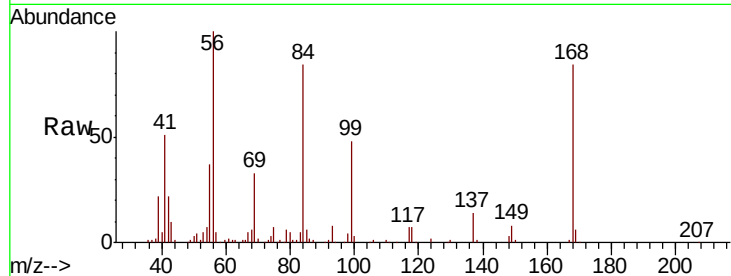
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	355793
Ion Ratio	Lower	Upper	
56	100		
69	32.6	26.6	40.0
84	82.5	67.0	100.4

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#32

1,1,1-Trichloroethane

Concen: 47.887 ug/l

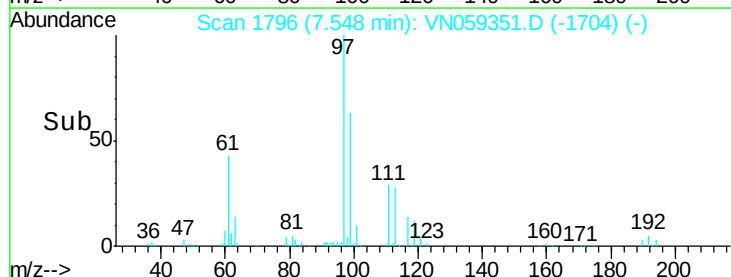
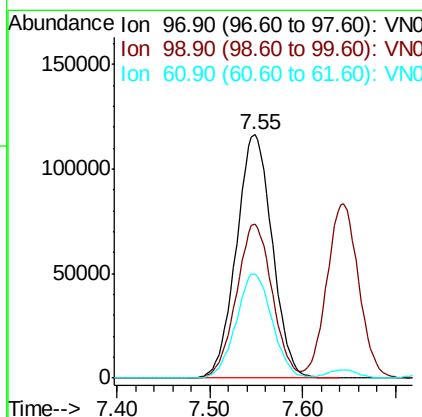
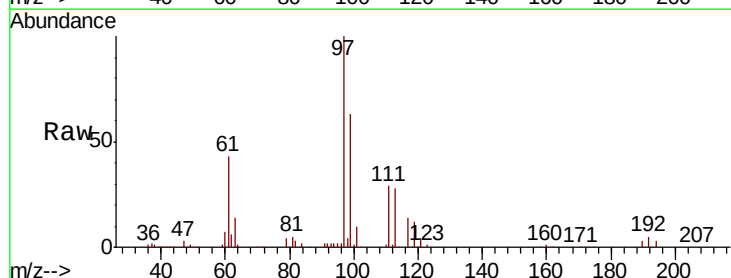
RT: 7.55 min Scan# 1796

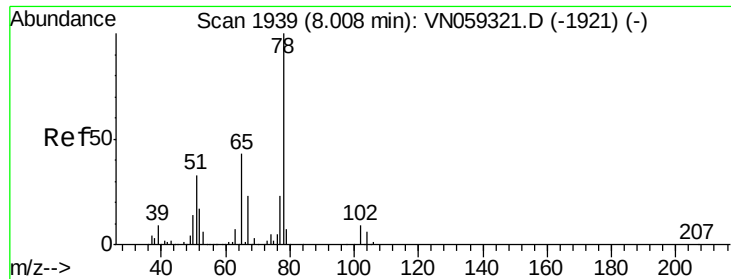
Delta R.T. -0.00 min

Lab File: VN059351.D

Acq: 22 Nov 2019 9:36

Tgt Ion:	97	Resp:	312564
Ion Ratio	Lower	Upper	
97	100		
99	63.3	51.3	76.9
61	43.0	35.3	52.9





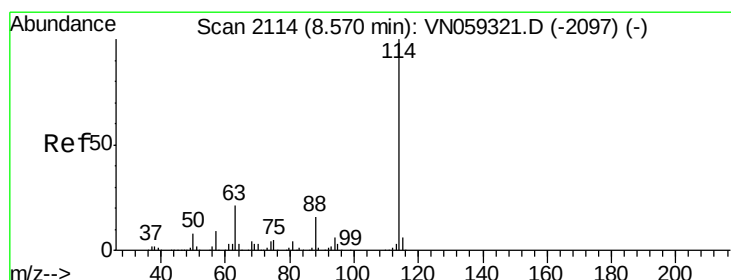
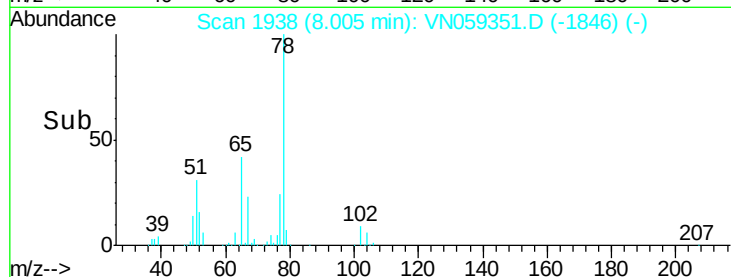
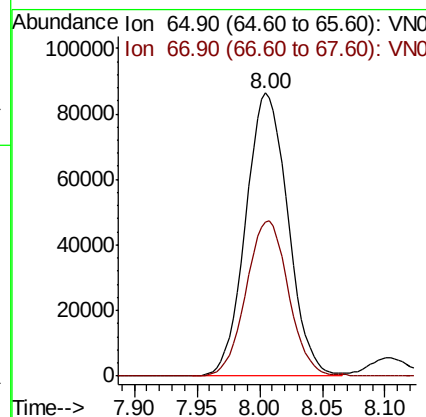
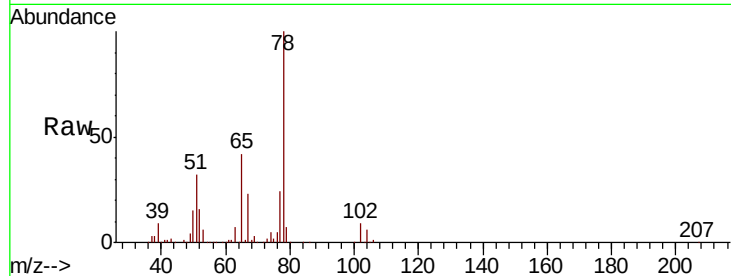
#33
 1,2-Dichloroethane-d4
 Concen: 46.044 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059351.D
 Acq: 22 Nov 2019 9:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	202403		
67	55.1	0.0	109.4	

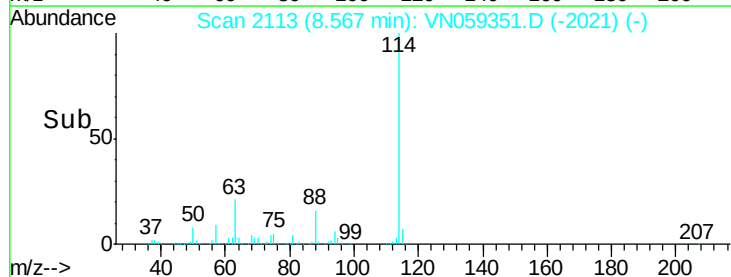
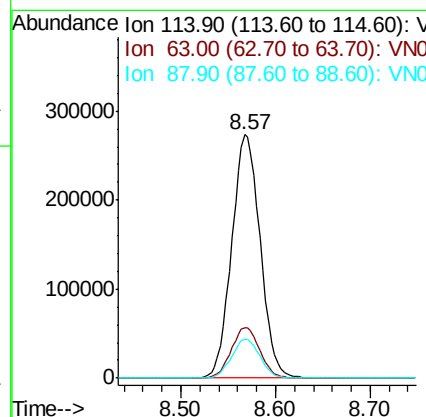
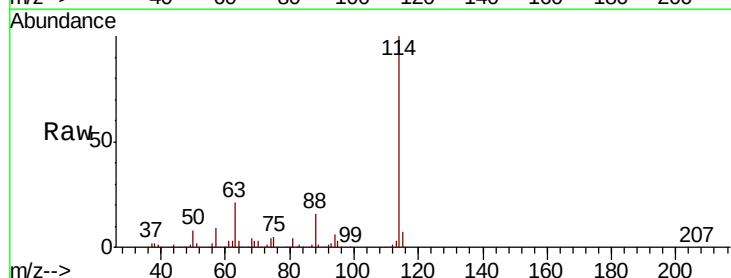
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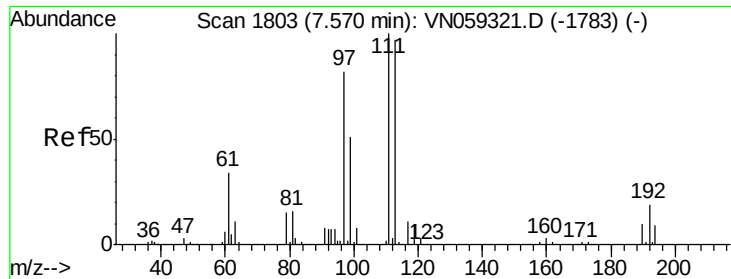
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059351.D
 Acq: 22 Nov 2019 9:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	571273		
63	20.9	0.0	42.2	
88	16.0	0.0	32.2	





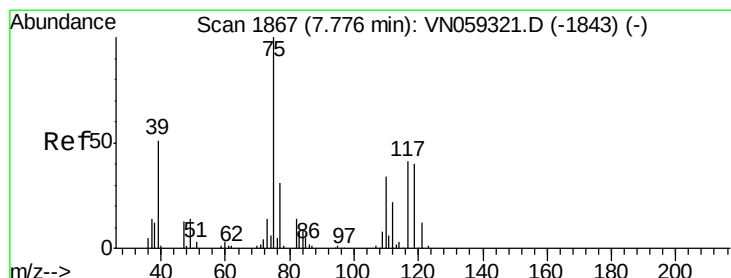
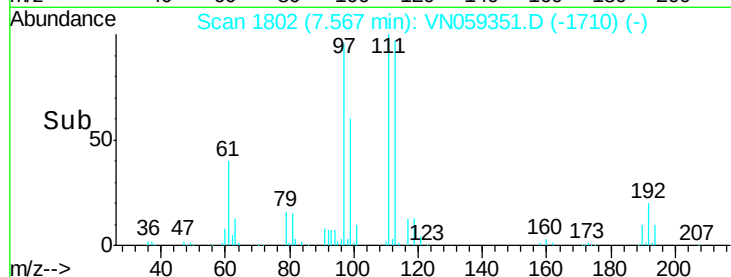
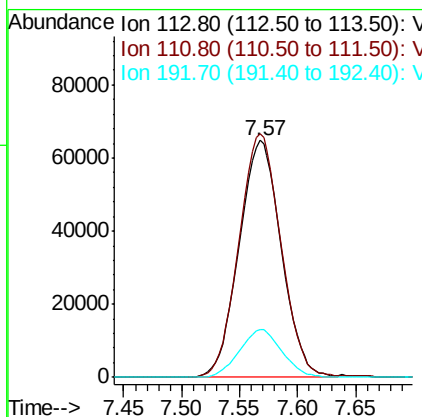
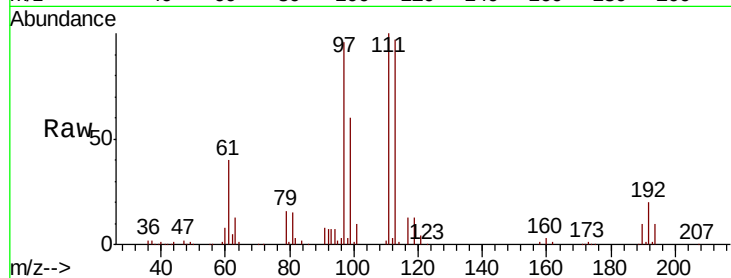
#35
 Dibromofluoromethane
 Concen: 47.892 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059351.D
 Acq: 22 Nov 2019 9:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	164141		
111	102.3	82.7	124.1	
192	20.3	16.3	24.5	

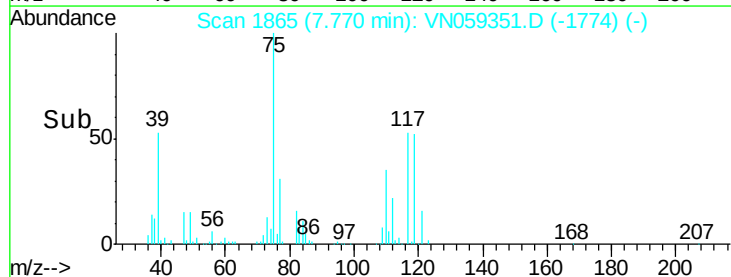
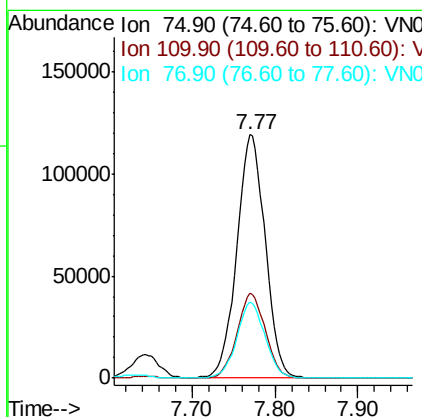
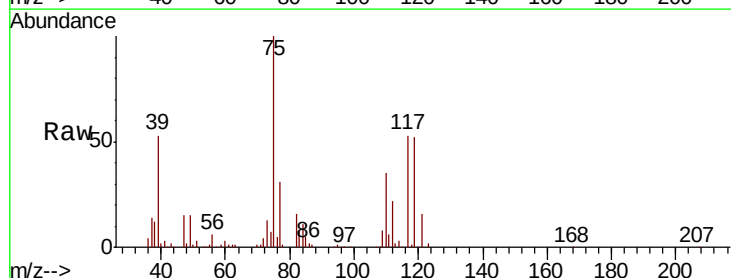
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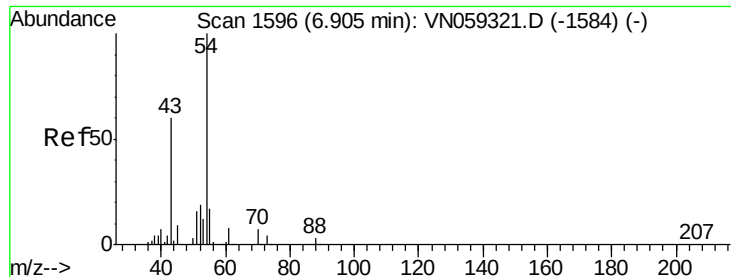
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#36
 1,1-Dichloropropene
 Concen: 48.205 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.01 min
 Lab File: VN059351.D
 Acq: 22 Nov 2019 9:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	284290		
110	34.7	17.0	51.0	
77	31.3	24.8	37.2	





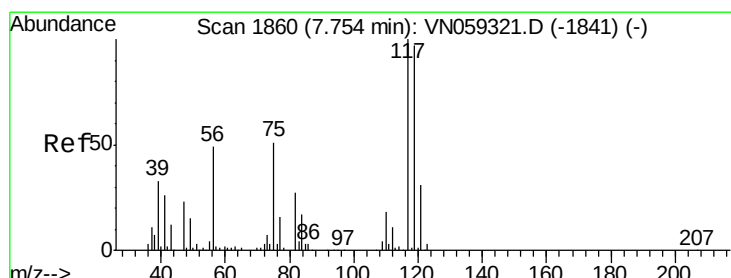
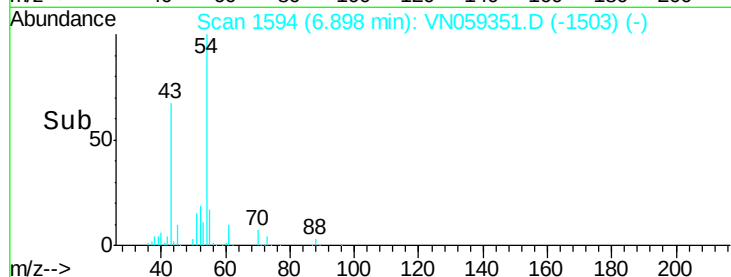
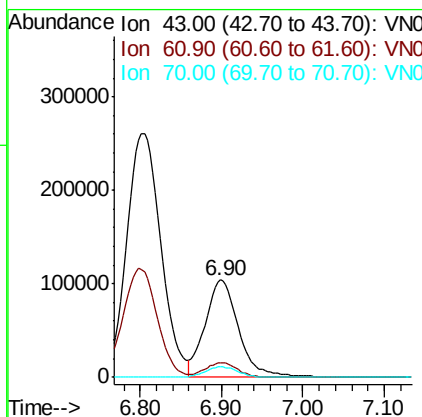
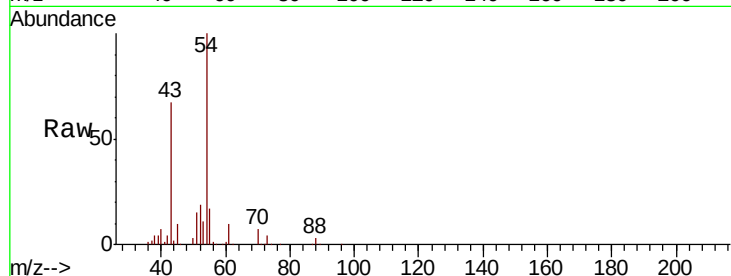
#37
Ethyl Acetate
Concen: 46.540 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.01 min
Lab File: VN059351.D
Acq: 22 Nov 2019 9:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.0	16.6
70	10.7	8.8	13.2

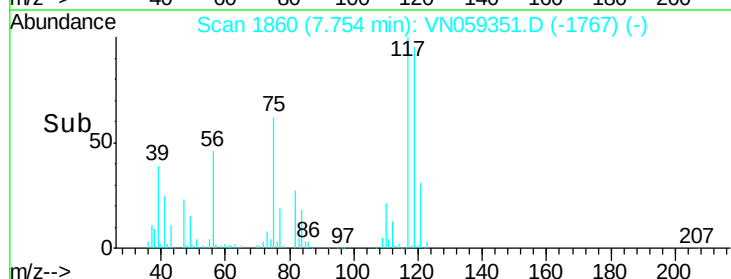
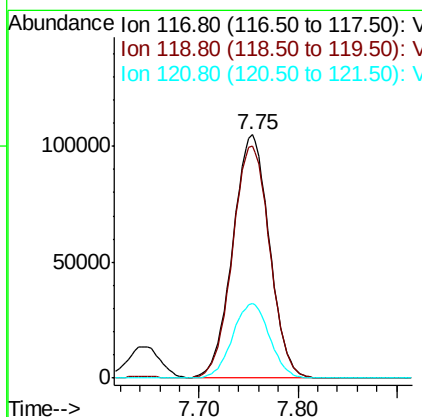
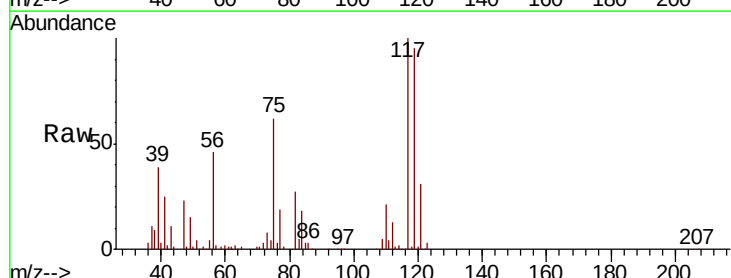
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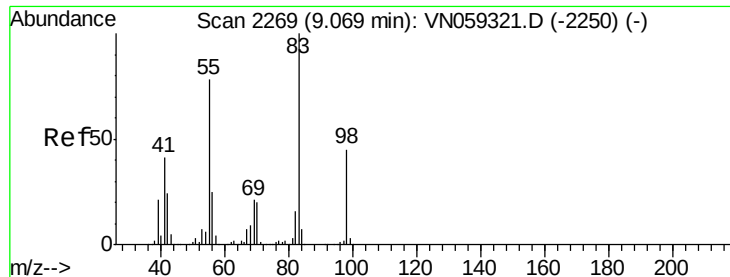
MMDadoda
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#38
Carbon Tetrachloride
Concen: 48.000 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN059351.D
Acq: 22 Nov 2019 9:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.0	115.4
121	30.6	24.4	36.6





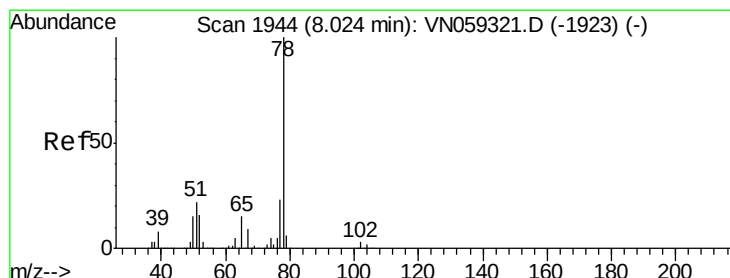
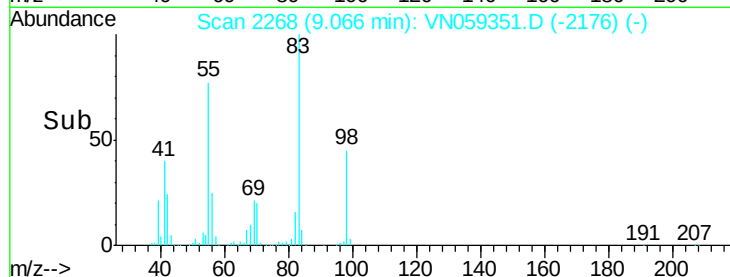
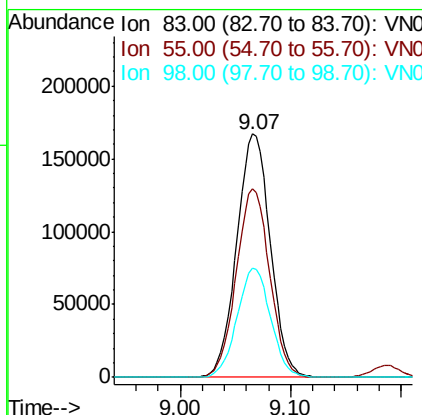
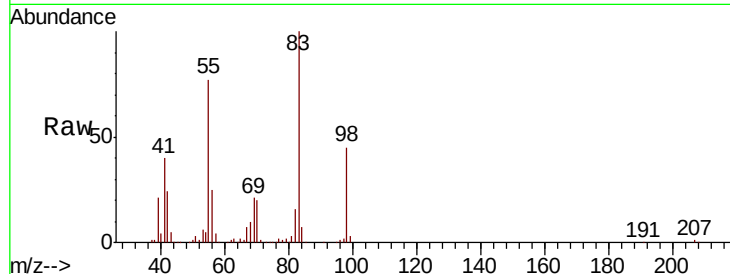
#39
Methylvlcyclohexane
Concen: 49.617 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059351.D
Acq: 22 Nov 2019 9:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.3	62.3	93.5
98	44.7	36.0	54.0

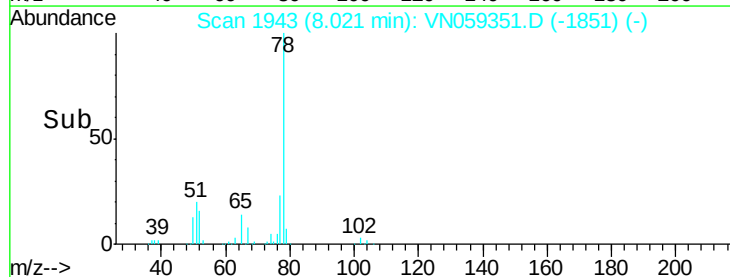
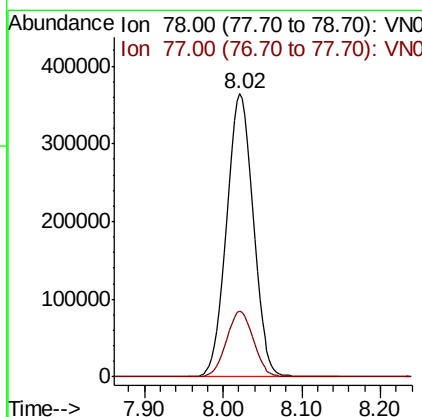
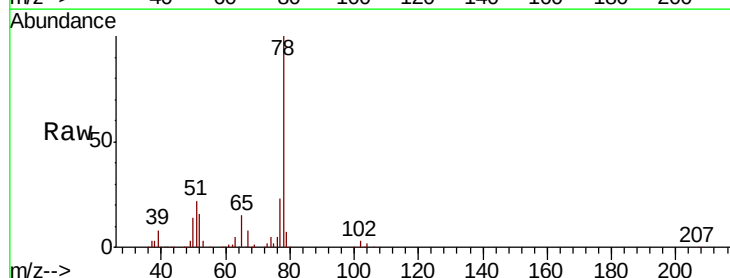
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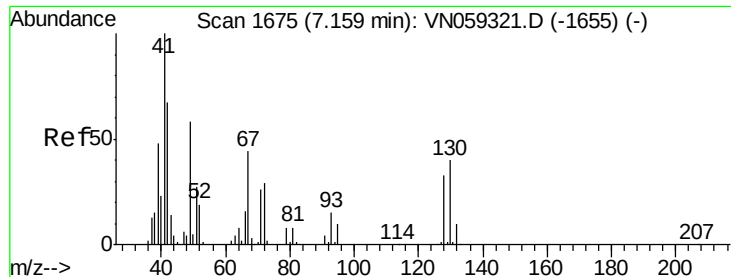
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#40
Benzene
Concen: 49.446 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059351.D
Acq: 22 Nov 2019 9:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.4	27.6





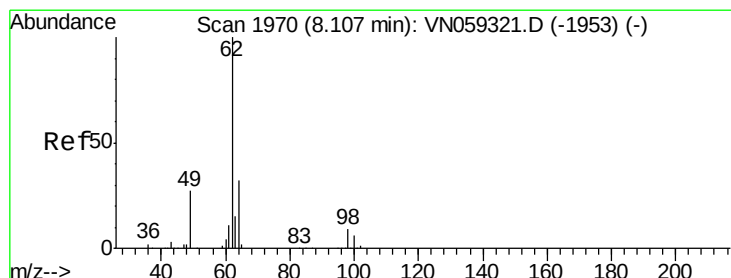
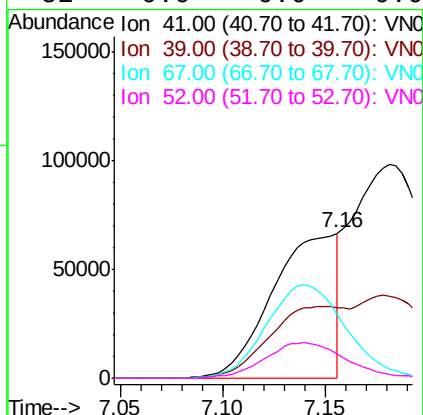
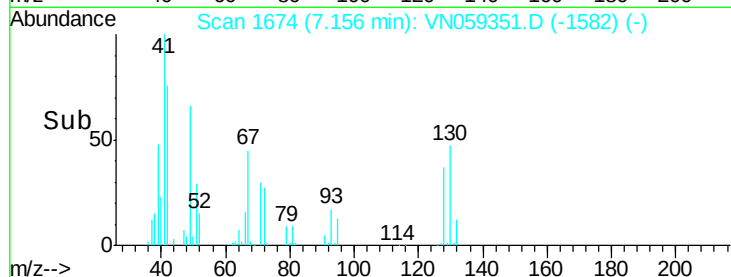
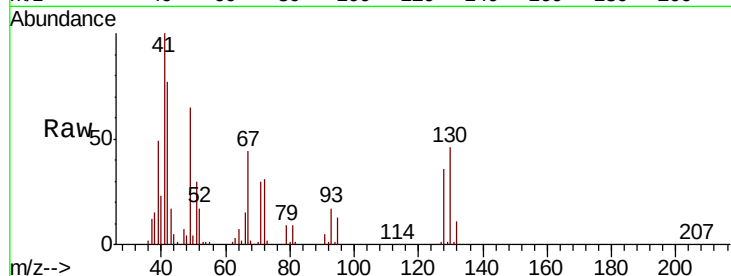
#41
Methacrylonitrile
Concen: 51.777 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN059351.D
Acq: 22 Nov 2019 9:36

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

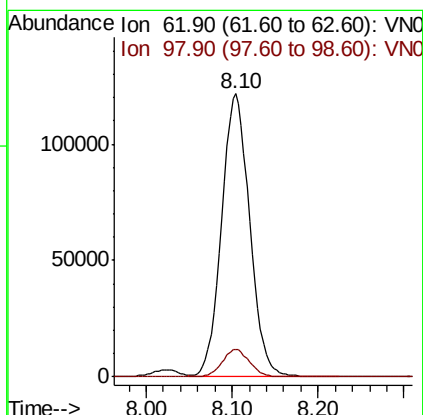
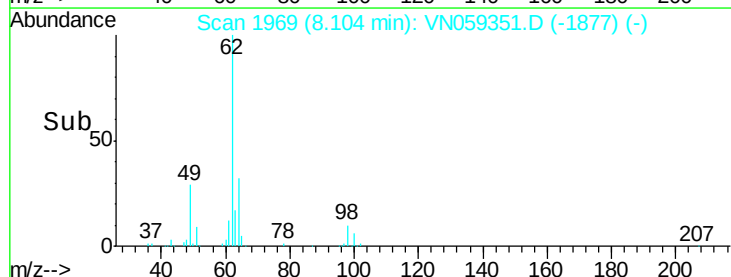
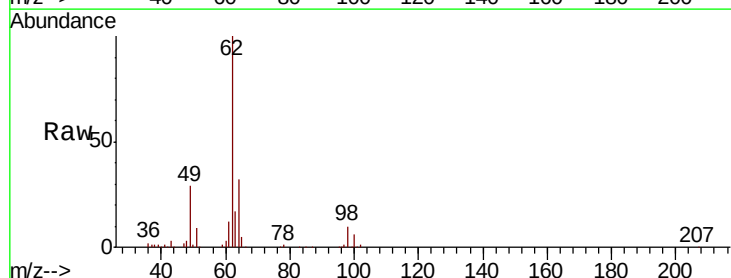
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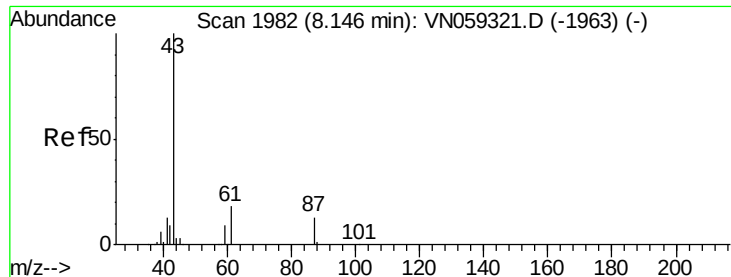
MMDadoda
11/26/2019 2:43:10 PM



#42
1,2-Dichloroethane
Concen: 48.416 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN059351.D
Acq: 22 Nov 2019 9:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.6





#43

Isopropyl Acetate

Concen: 47.977 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN059351.D

Acq: 22 Nov 2019 9:36

Instrument :

MSVOA_N

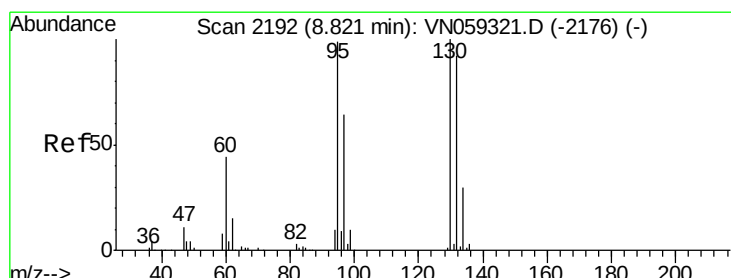
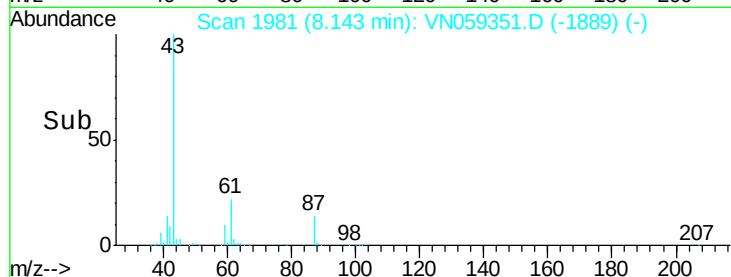
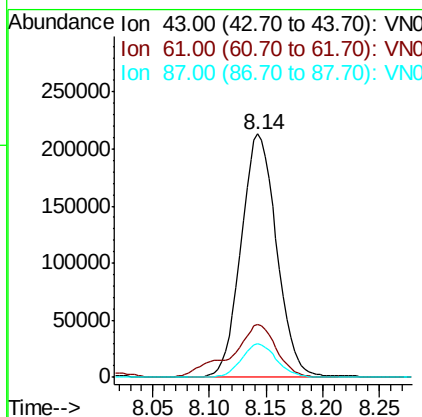
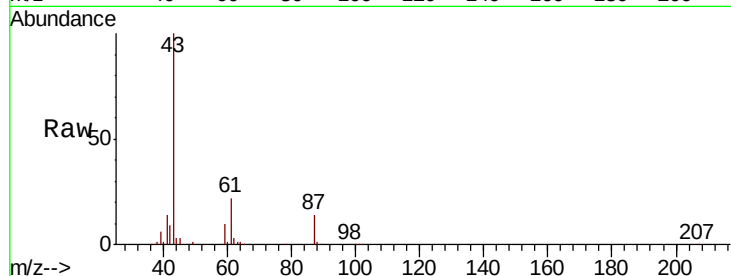
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	464726
Ion	Ratio	Lower	Upper
43	100		
61	27.6	21.7	32.5
87	13.6	10.2	15.4

Manual Integrations
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11/26/2019 2:43:10 PM



#44

Trichloroethene

Concen: 49.261 ug/l

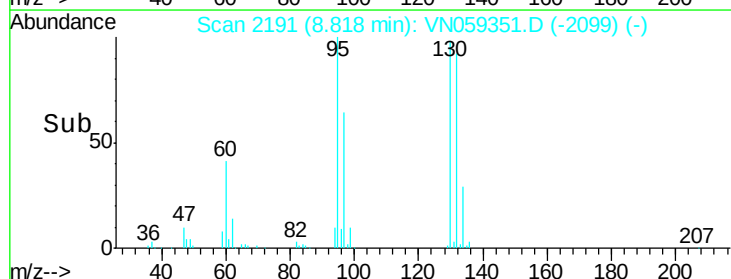
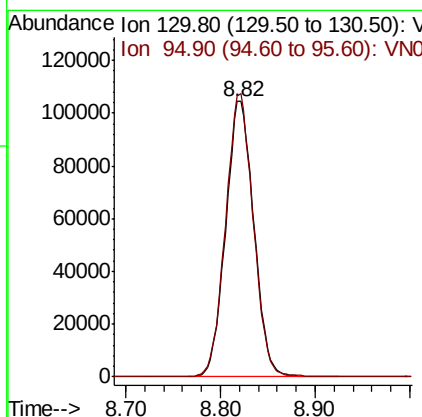
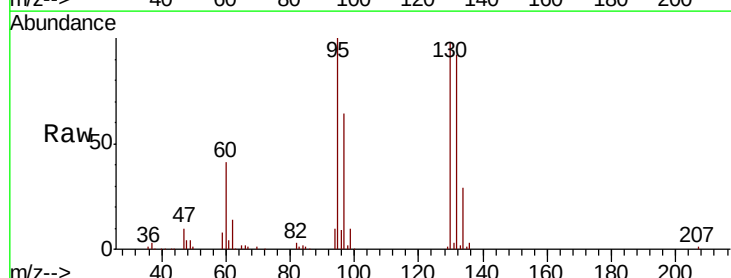
RT: 8.82 min Scan# 2191

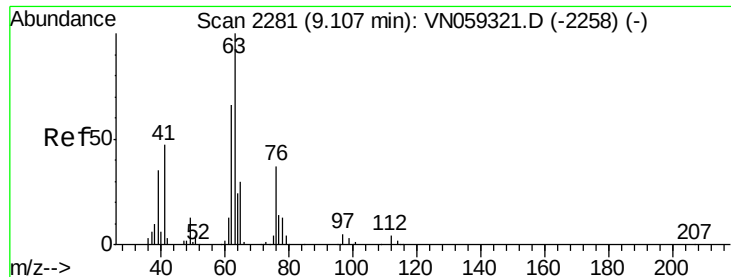
Delta R.T. -0.00 min

Lab File: VN059351.D

Acq: 22 Nov 2019 9:36

Tgt Ion:	130	Resp:	216098
Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	198.4





#45

1,2-Dichloropropane

Concen: 49.668 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN059351.D

Acq: 22 Nov 2019 9:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 229250

Ion Ratio Lower Upper

63 100

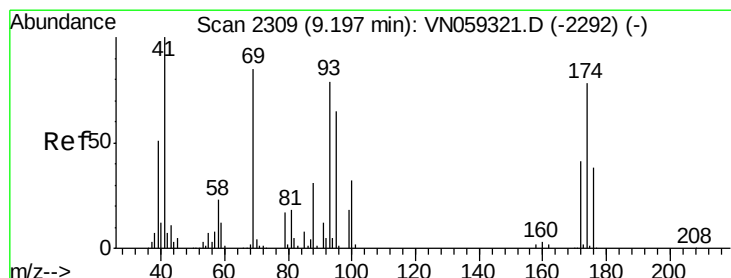
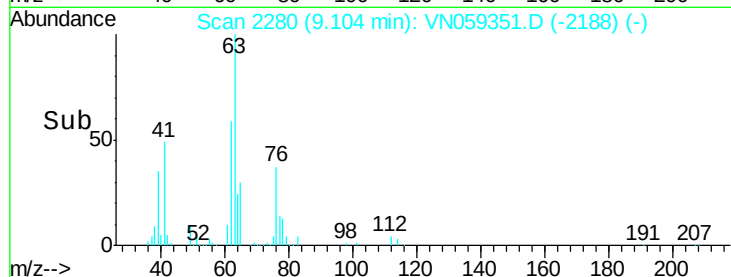
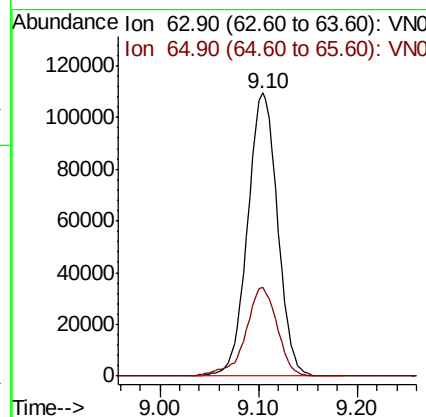
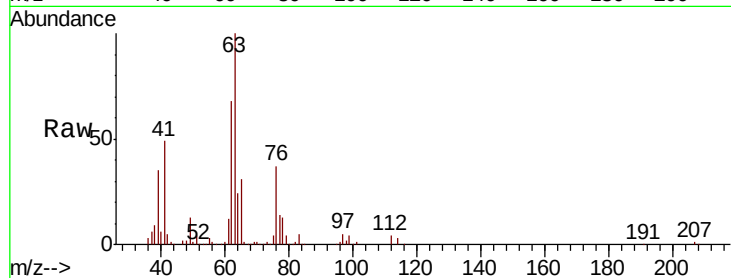
65 31.2 23.9 35.9

Manual Integrations

APPROVED

MMDadoda

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#46

Dibromomethane

Concen: 49.193 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN059351.D

Acq: 22 Nov 2019 9:36

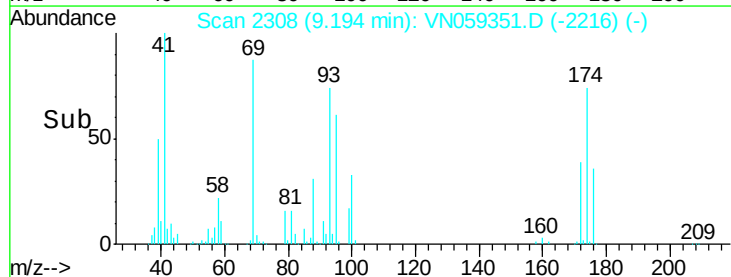
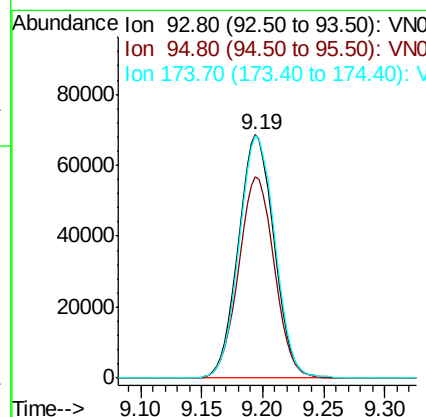
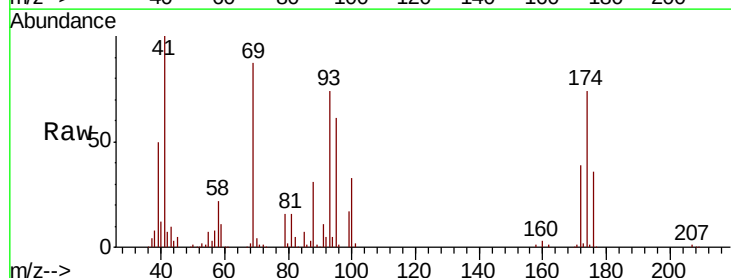
Tgt Ion: 93 Resp: 139271

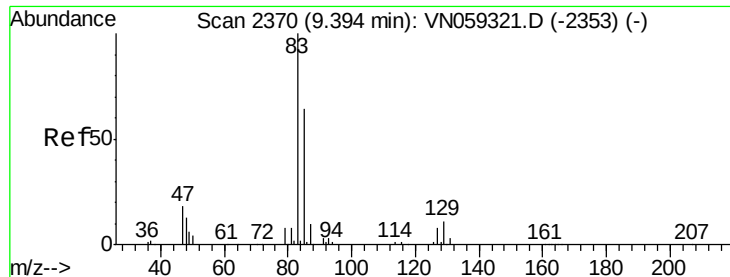
Ion Ratio Lower Upper

93 100

95 82.6 66.9 100.3

174 100.0 80.6 120.8





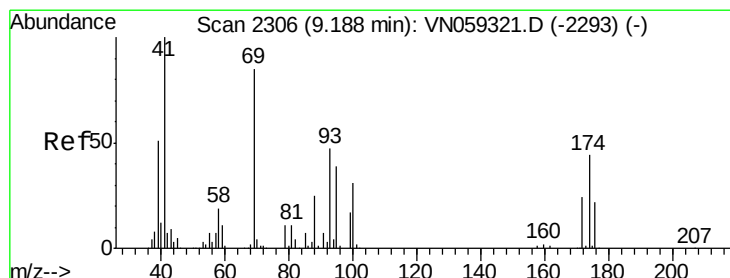
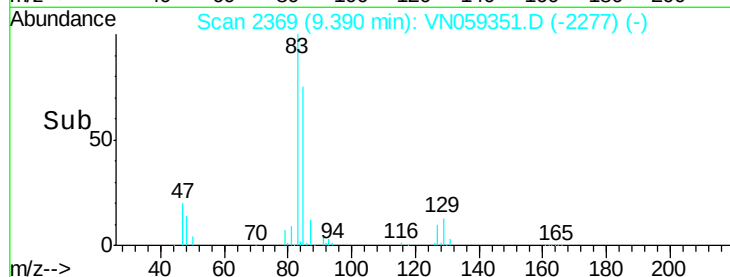
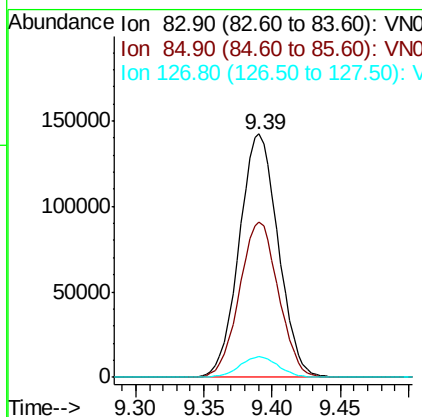
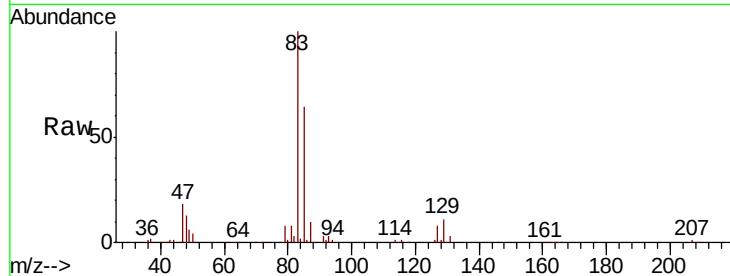
#47
Bromodichloromethane
Concen: 49.799 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VN059351.D
Acq: 22 Nov 2019 9:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	282356		
85	64.0		51.5	77.3
127	8.3		6.6	10.0

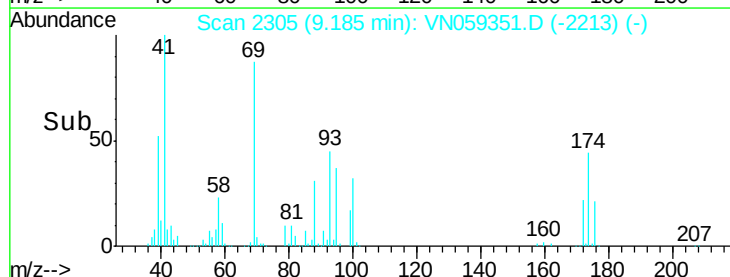
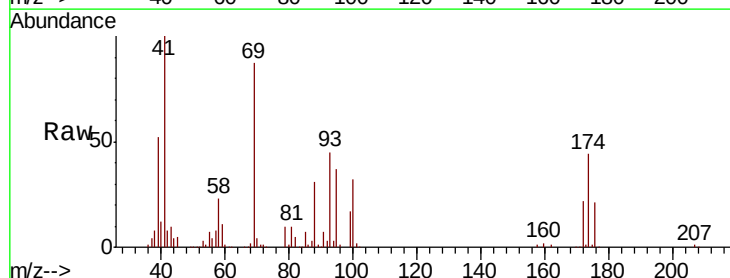
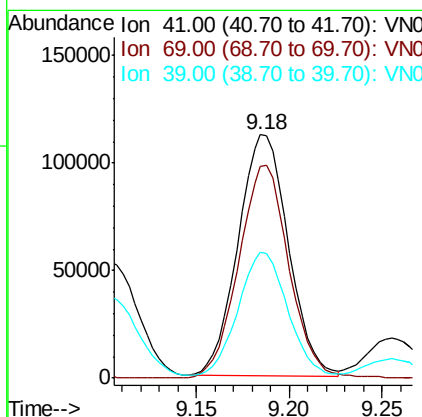
Manual Integrations
APPROVED

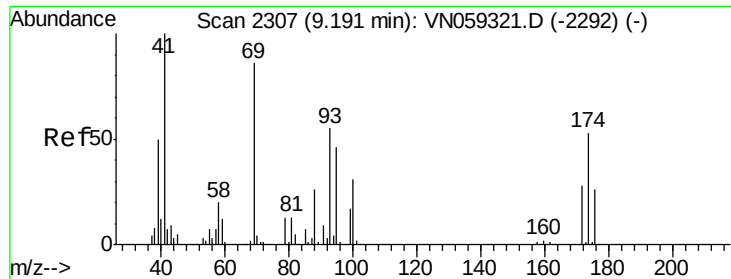
MMDadoda
11/26/2019 2:43:10 PM



#48
Methyl methacrylate
Concen: 48.083 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059351.D
Acq: 22 Nov 2019 9:36

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	211804		
69	88.4		68.8	103.2
39	50.1		42.1	63.1





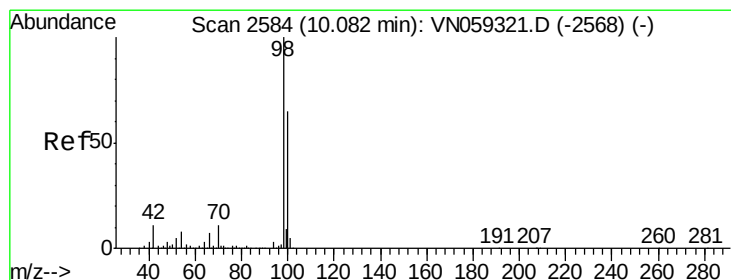
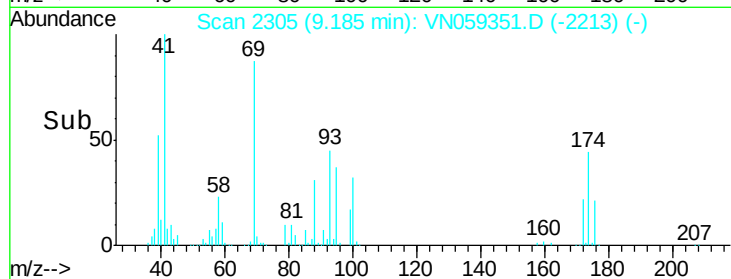
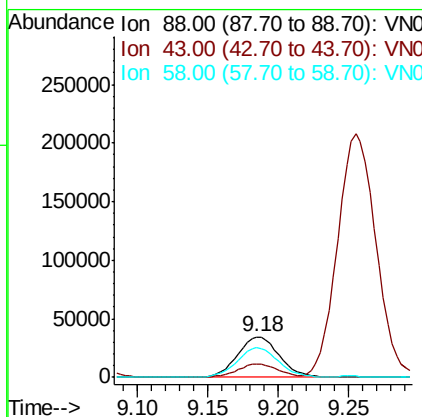
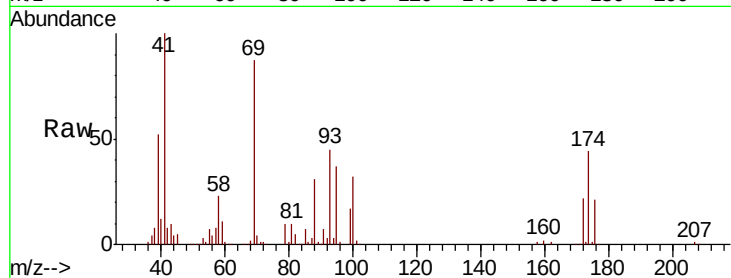
#49
1,4-Dioxane
Concen: 1074.726 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.01 min
Lab File: VN059351.D
Acq: 22 Nov 2019 9:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.4	26.9	40.3
58	72.6	59.2	88.8

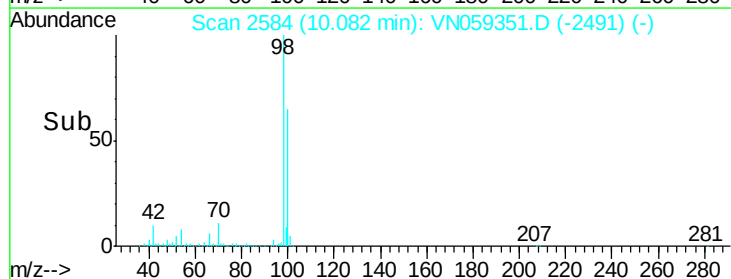
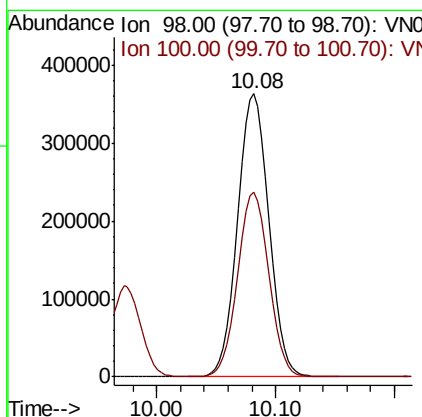
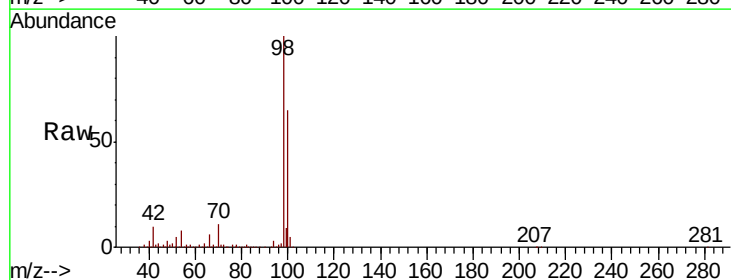
Manual Integrations
APPROVED

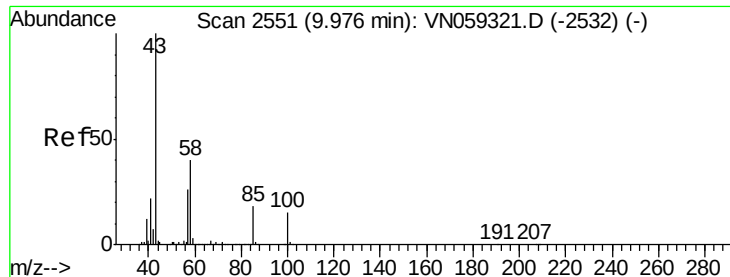
MMDadoda
11/26/2019 2:43:10 PM



#50
Toluene-d8
Concen: 48.662 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN059351.D
Acq: 22 Nov 2019 9:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 255.106 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059351.D

Acq: 22 Nov 2019 9:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1446399

Ion Ratio Lower Upper

43 100

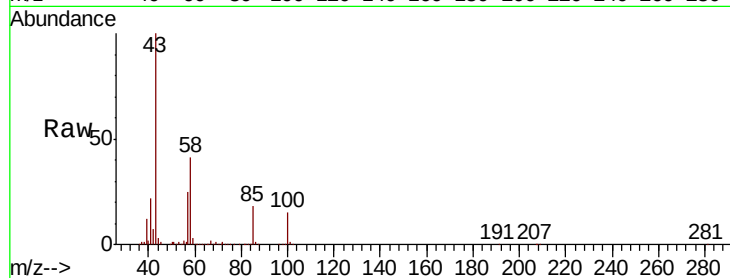
58 40.3 31.8 47.8

Manual Integrations

APPROVED

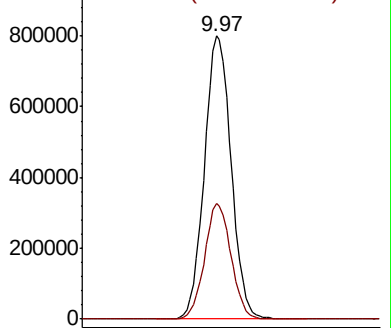
MMDadoda

11/26/2019 2:43:10 PM

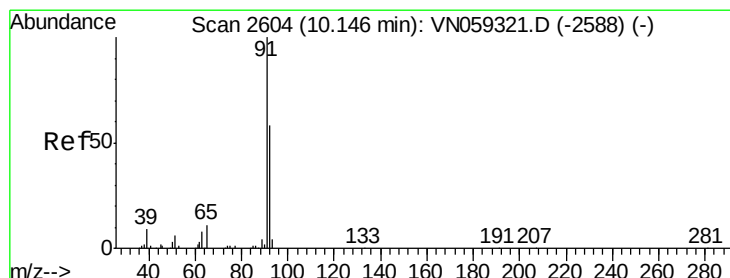
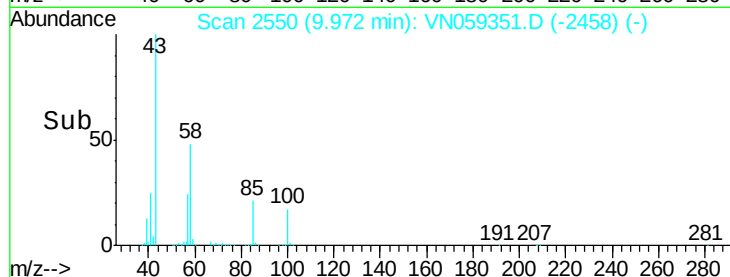


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#52

Toluene

Concen: 50.187 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN059351.D

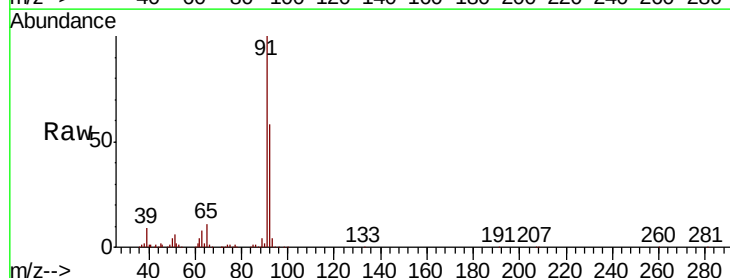
Acq: 22 Nov 2019 9:36

Tgt Ion: 92 Resp: 522343

Ion Ratio Lower Upper

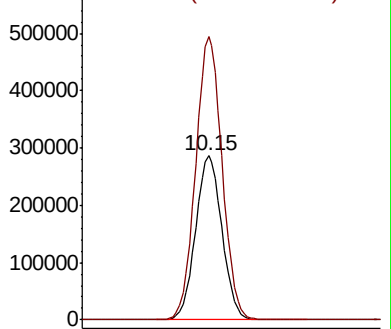
92 100

91 173.1 137.9 206.9

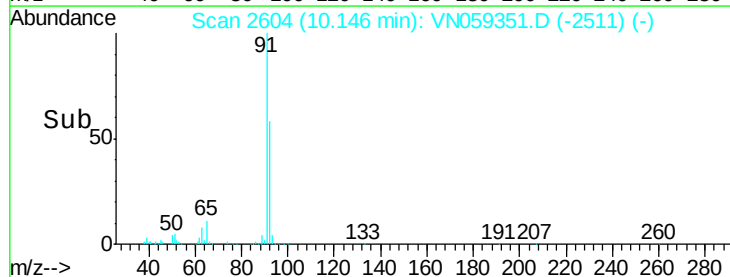


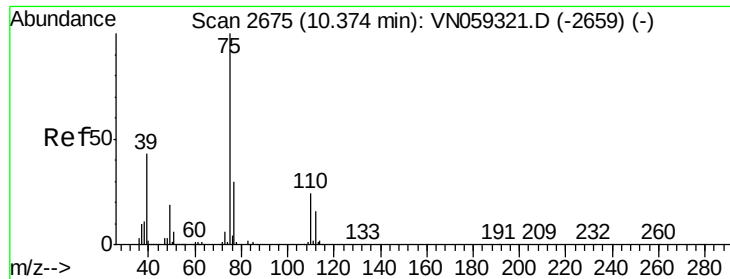
Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



Time-->





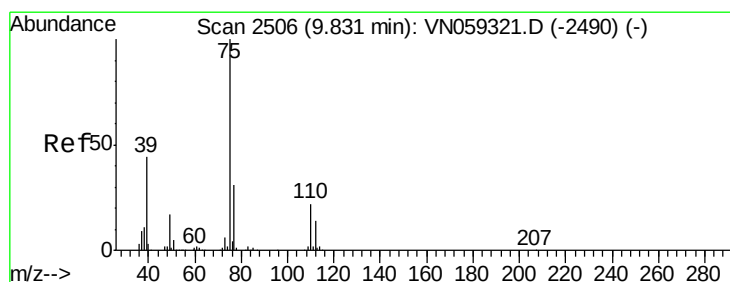
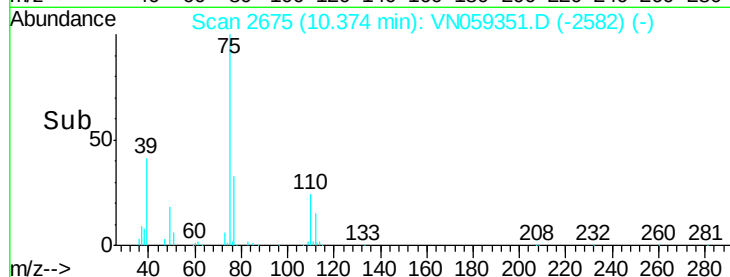
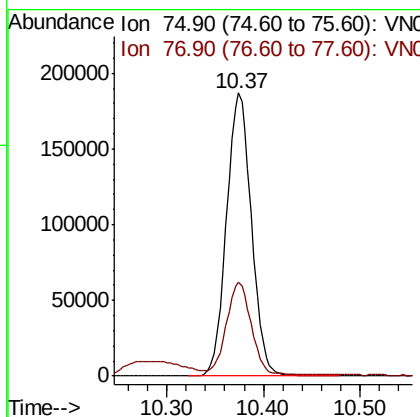
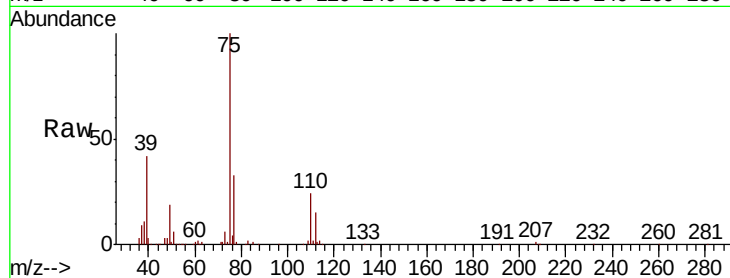
#53
t-1,3-Dichloropropene
Concen: 50.524 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. -0.00 min
Lab File: VN059351.D
Acq: 22 Nov 2019 9:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.5	38.3

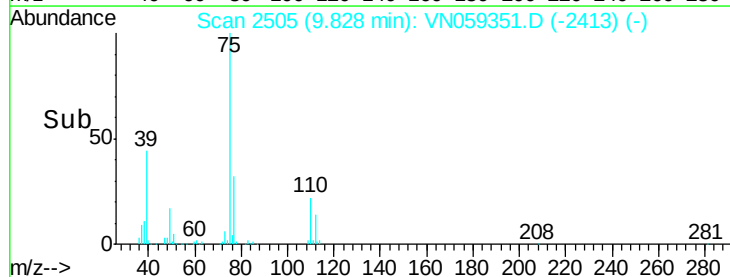
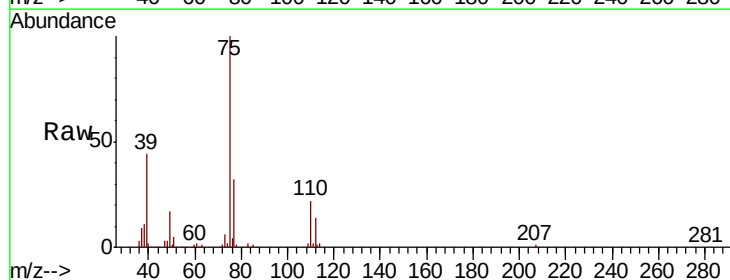
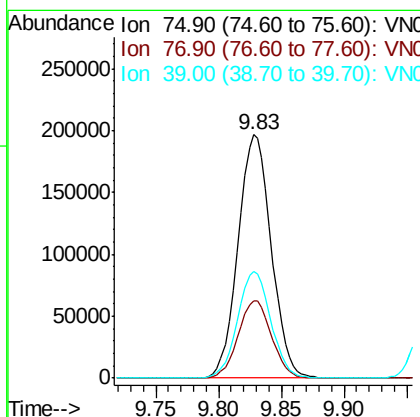
Manual Integrations
APPROVED

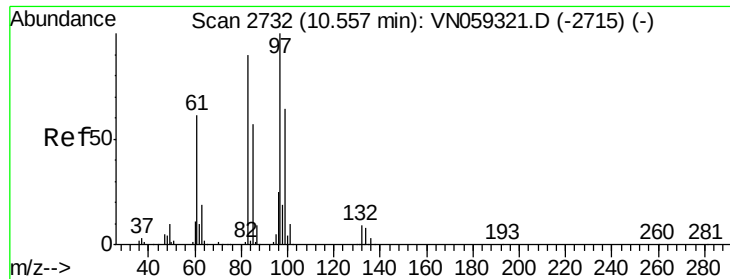
MMDadoda
11/26/2019 2:43:10 PM



#54
cis-1,3-Dichloropropene
Concen: 50.590 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. -0.00 min
Lab File: VN059351.D
Acq: 22 Nov 2019 9:36

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.0	37.4
39	44.0	35.5	53.3





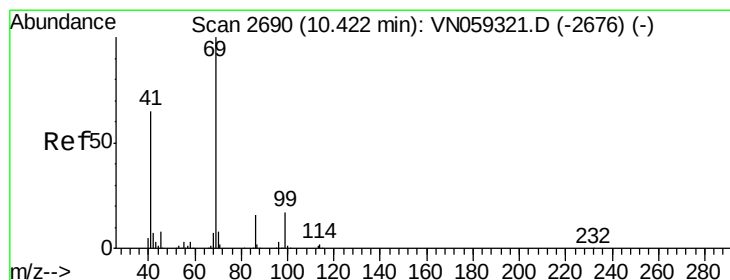
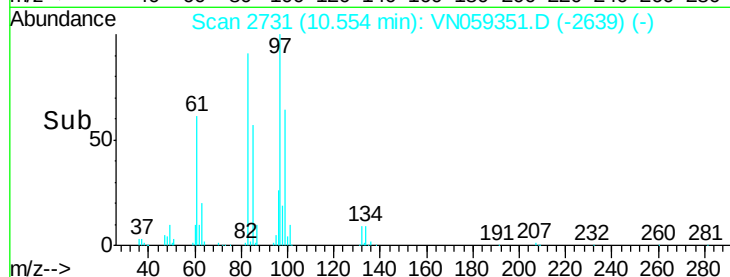
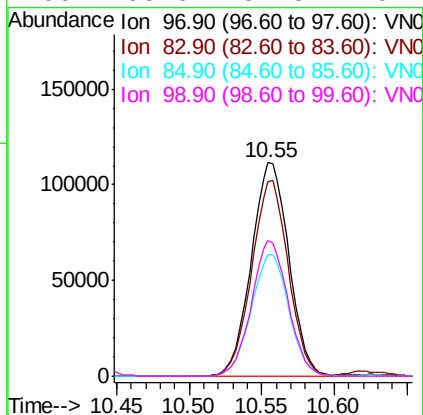
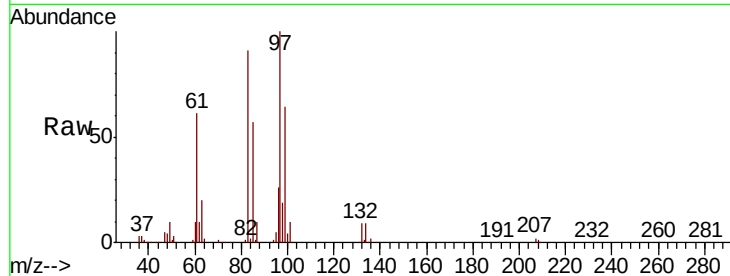
#55
 1,1,2-Trichloroethane
 Concen: 49.767 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059351.D
 Acq: 22 Nov 2019 9:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	201392
Ion	Ratio	Lower	Upper
97	100		
83	91.3	72.0	108.0
85	56.8	45.8	68.6
99	63.6	51.0	76.4

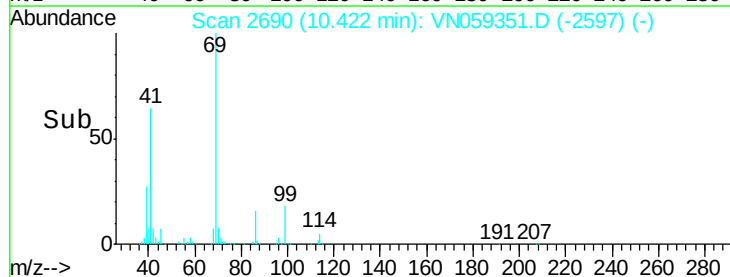
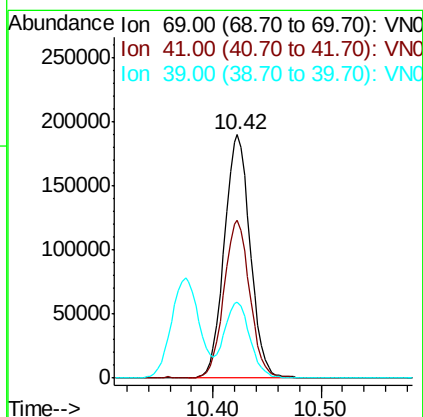
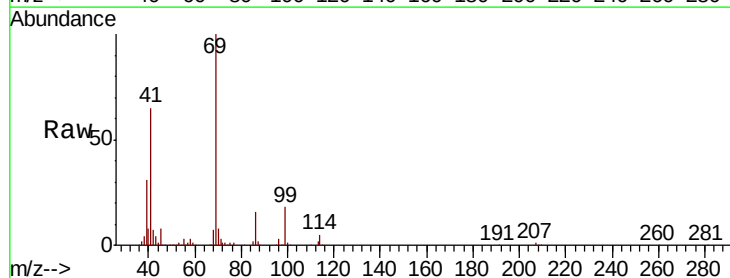
Manual Integrations
 APPROVED

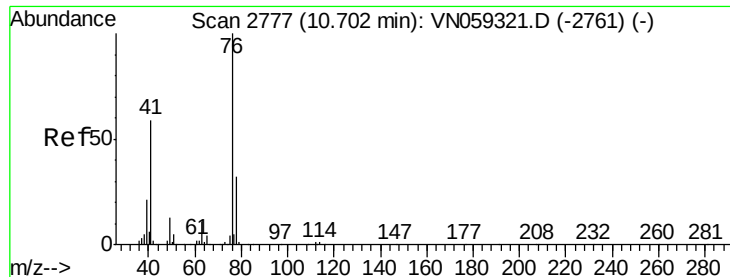
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#56
 Ethyl methacrylate
 Concen: 46.664 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059351.D
 Acq: 22 Nov 2019 9:36

Tgt Ion:	69	Resp:	317877
Ion	Ratio	Lower	Upper
69	100		
41	64.3	51.7	77.5
39	30.7	25.2	37.8





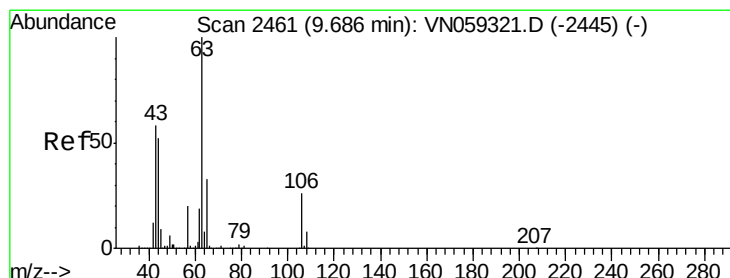
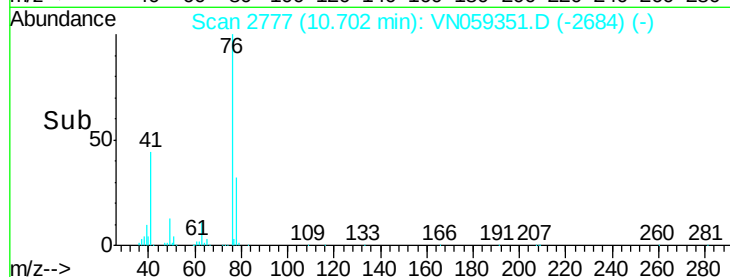
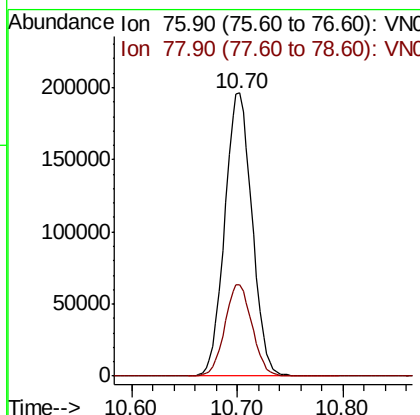
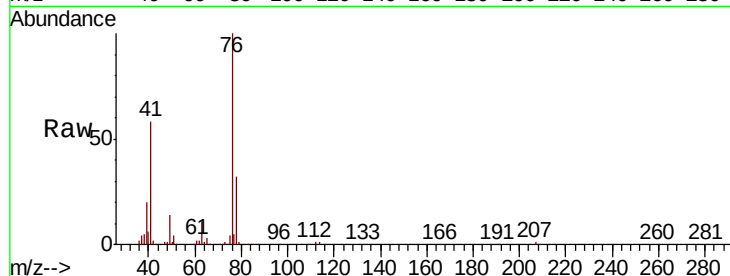
#57
 1,3-Dichloropropane
 Concen: 49.765 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. -0.00 min
 Lab File: VN059351.D
 Acq: 22 Nov 2019 9:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 350992
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.0 39.0

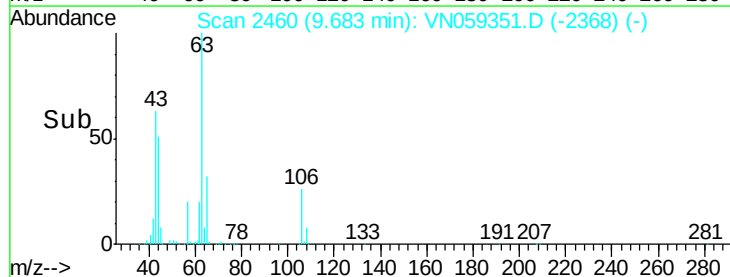
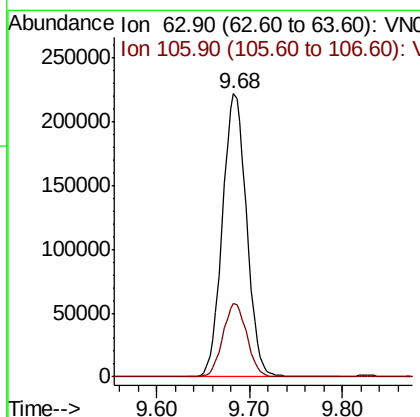
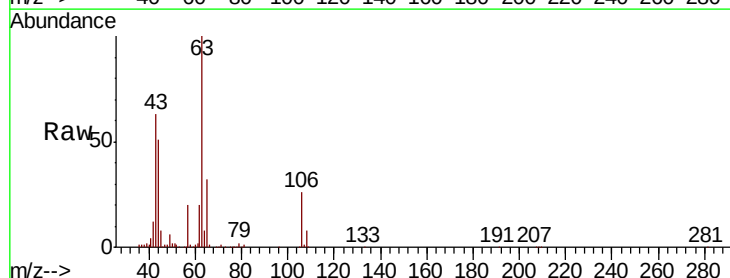
Manual Integrations
 APPROVED

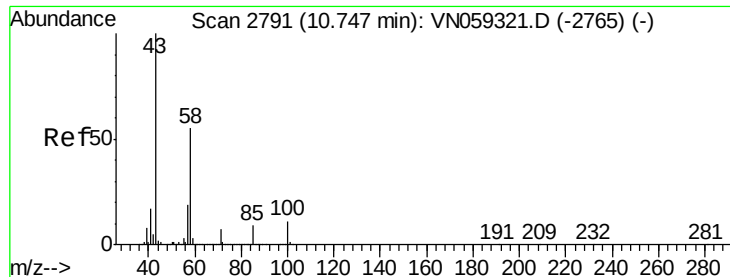
MMDadoda
 11/26/2019 2:43:10 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 167.966 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. -0.00 min
 Lab File: VN059351.D
 Acq: 22 Nov 2019 9:36

Tgt Ion: 63 Resp: 400721
 Ion Ratio Lower Upper
 63 100
 106 25.8 20.5 30.7





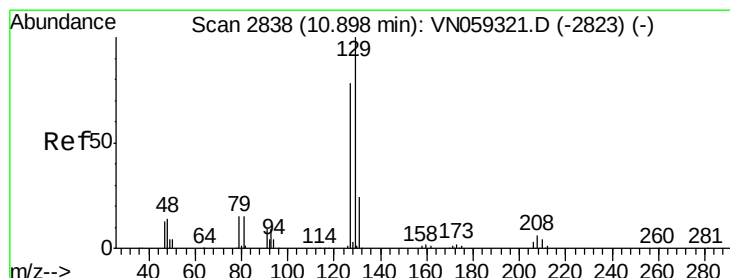
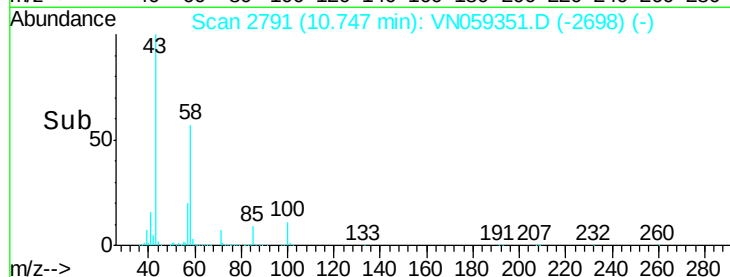
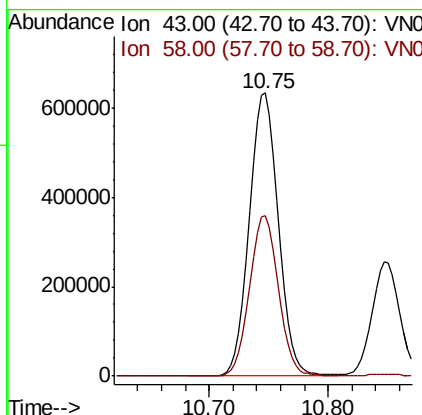
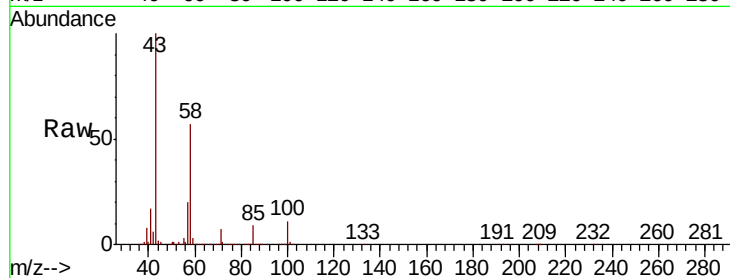
#59
2-Hexanone
Concen: 258.367 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN059351.D
Acq: 22 Nov 2019 9:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1072658
Ion Ratio Lower Upper
43 100
58 56.6 27.7 83.0

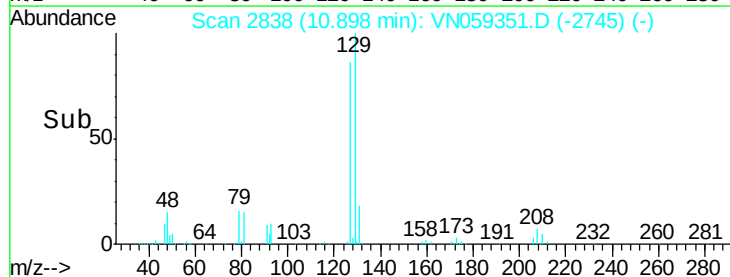
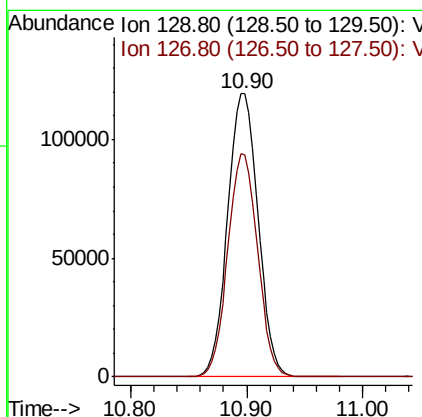
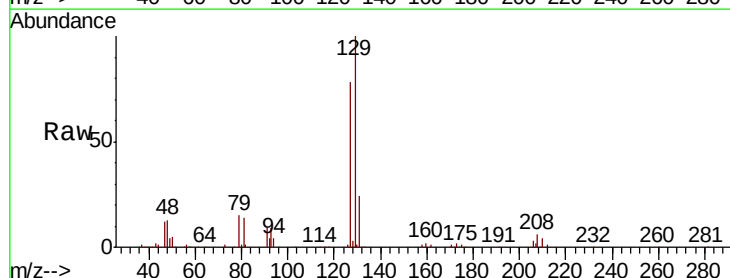
Manual Integrations
APPROVED

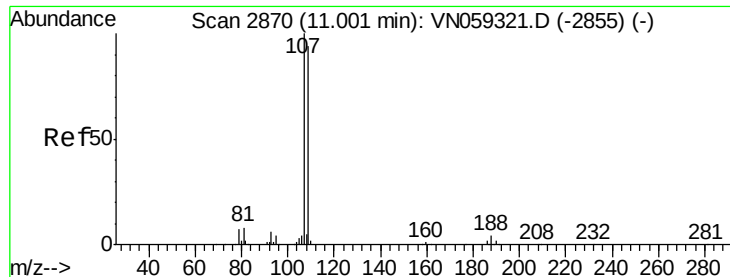
MMDadoda
11/26/2019 2:43:10 PM



#60
Dibromochloromethane
Concen: 51.082 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN059351.D
Acq: 22 Nov 2019 9:36

Tgt Ion: 129 Resp: 217826
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.5





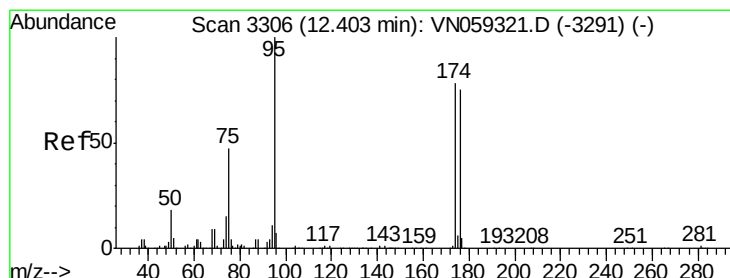
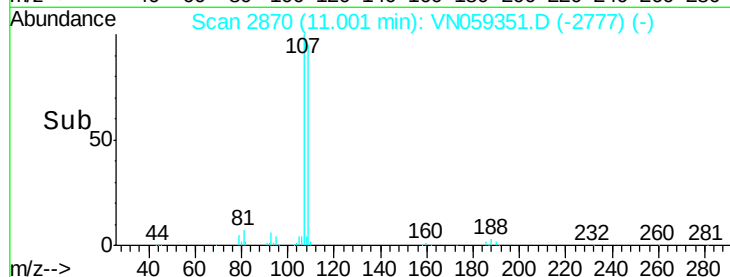
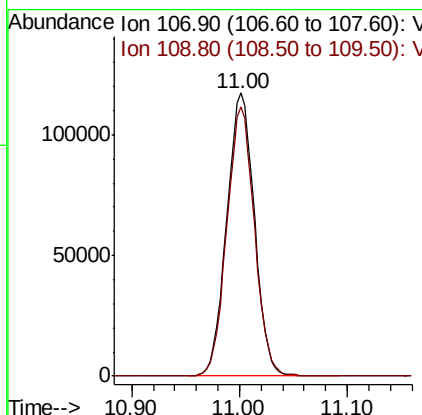
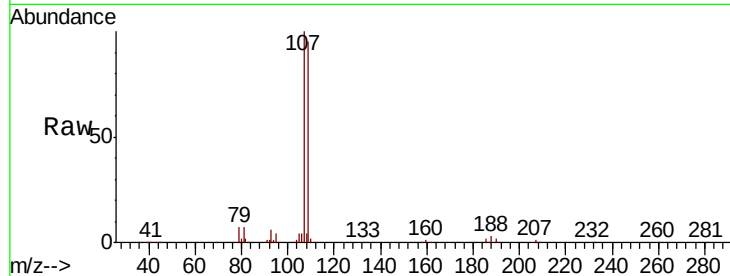
#61
 1,2-Dibromoethane
 Concen: 49.952 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VN059351.D
 Acq: 22 Nov 2019 9:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.4	113.2

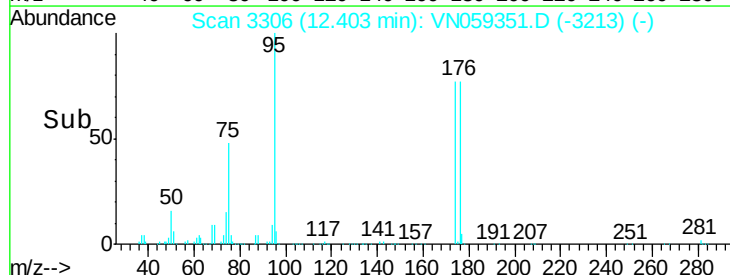
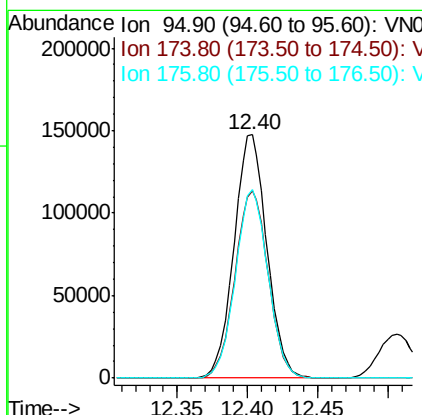
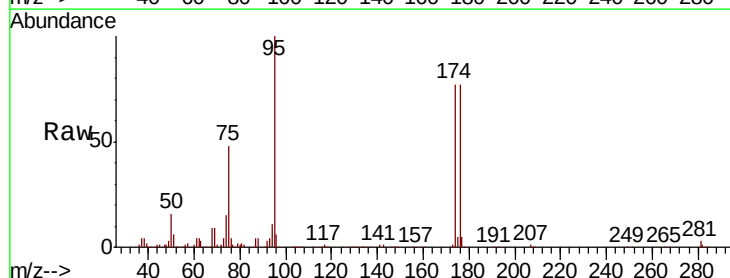
Manual Integrations
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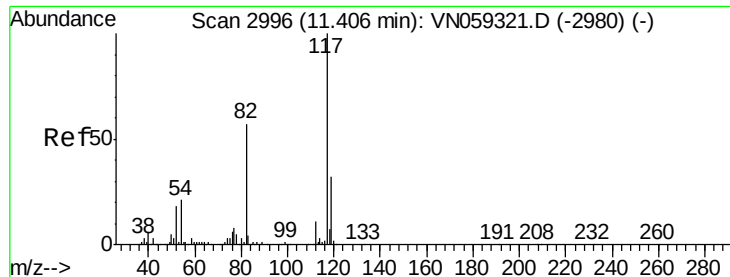
MMDadoda
 11/26/2019 2:43:10 PM



#62
 4-Bromofluorobenzene
 Concen: 50.569 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.00 min
 Lab File: VN059351.D
 Acq: 22 Nov 2019 9:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.8	0.0	157.4
176	77.0	0.0	151.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059351.D

Acq: 22 Nov 2019 9:36

Instrument :

MSVOA_N

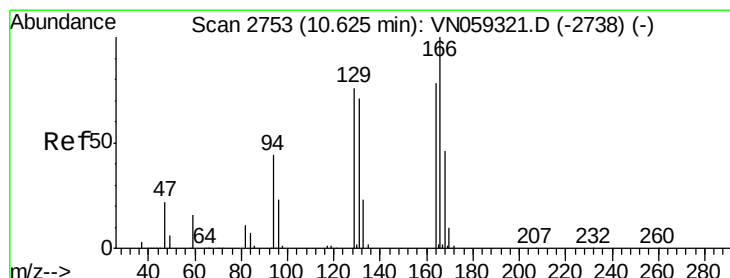
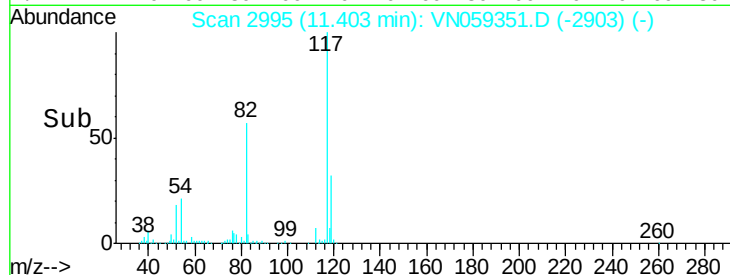
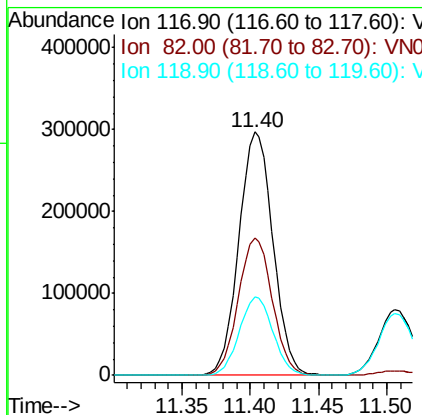
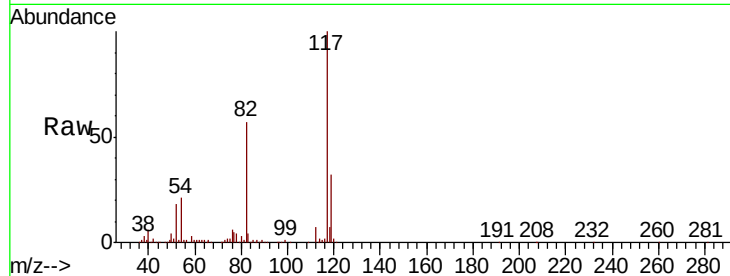
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	516241
Ion Ratio		Lower	Upper
117	100		
82	56.5	45.7	68.5
119	32.0	25.8	38.6

Manual Integrations
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#64

Tetrachloroethene

Concen: 47.804 ug/l

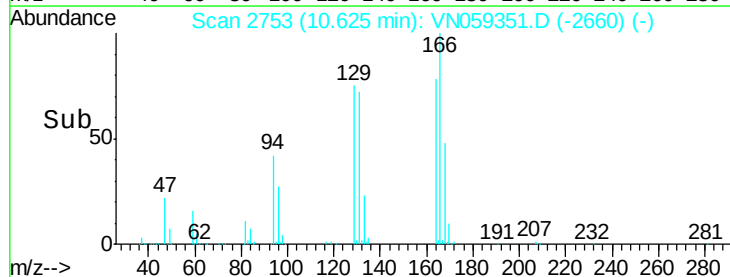
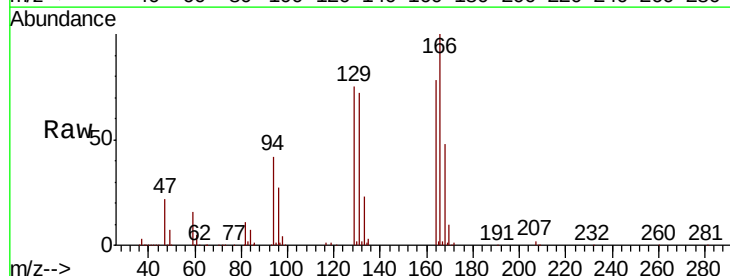
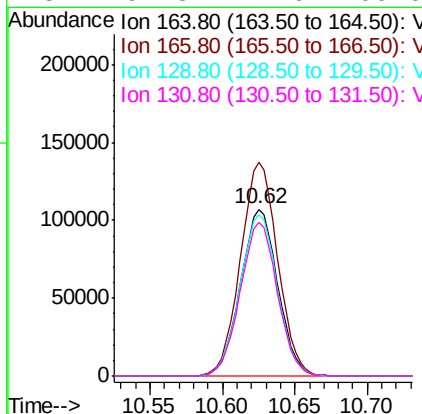
RT: 10.62 min Scan# 2753

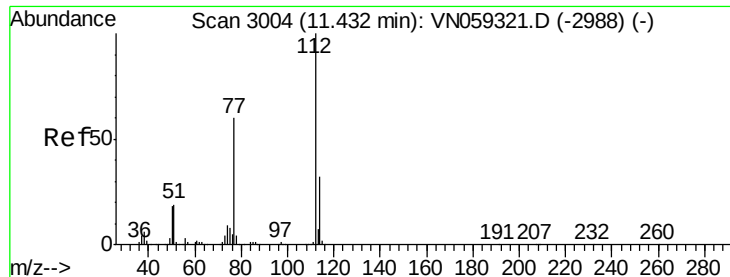
Delta R.T. -0.00 min

Lab File: VN059351.D

Acq: 22 Nov 2019 9:36

Tgt Ion:	164	Resp:	190867
Ion Ratio		Lower	Upper
164	100		
166	128.3	102.9	154.3
129	96.6	78.2	117.2
131	92.3	72.6	109.0





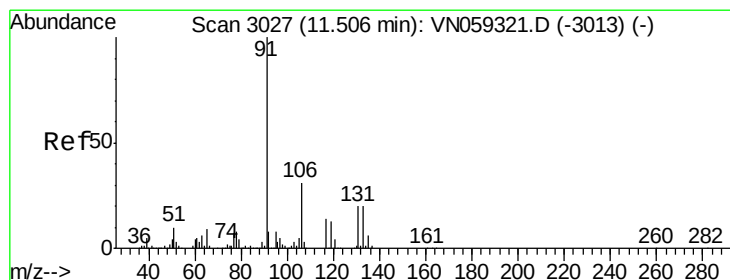
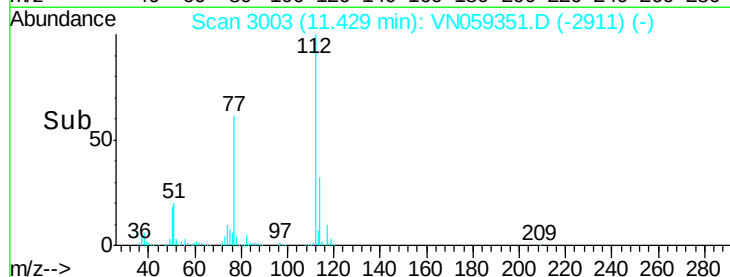
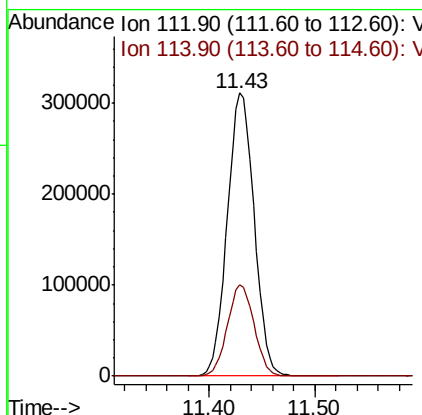
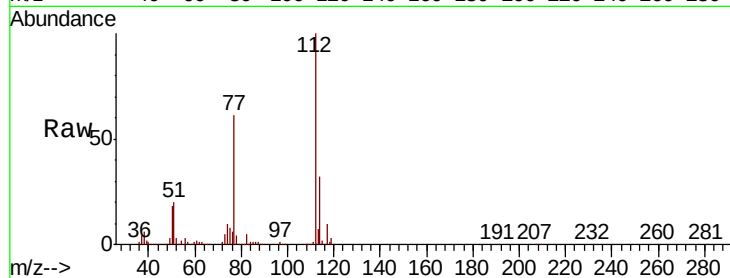
#65
Chlorobenzene
Concen: 49.400 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059351.D
Acq: 22 Nov 2019 9:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.8	38.6

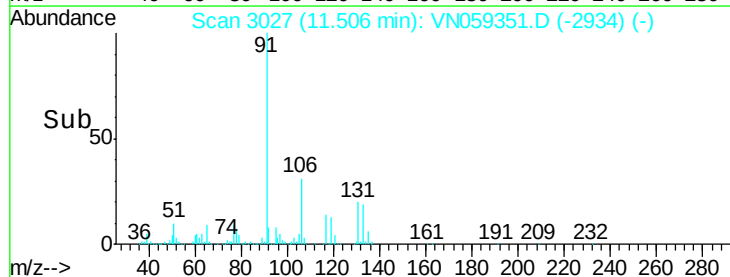
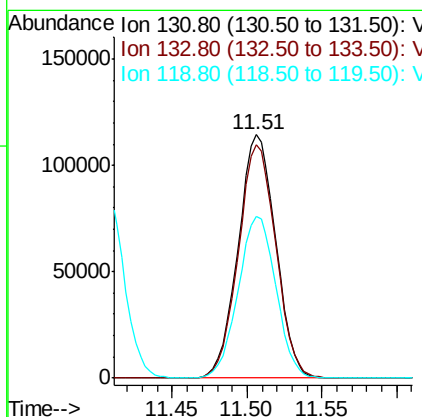
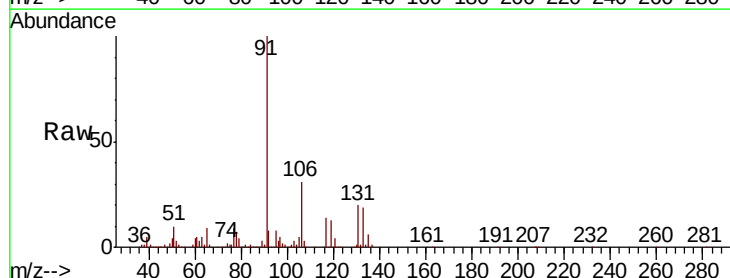
Manual Integrations
APPROVED

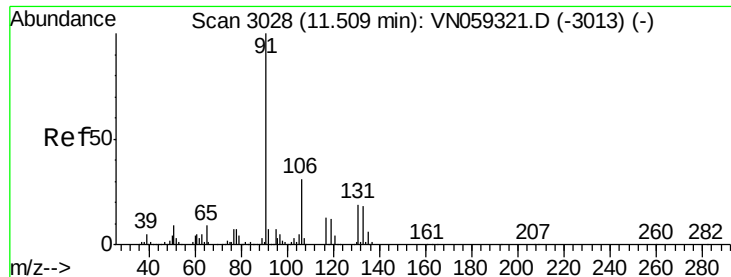
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.590 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059351.D
Acq: 22 Nov 2019 9:36

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	48.2	144.6
119	66.8	33.6	100.6





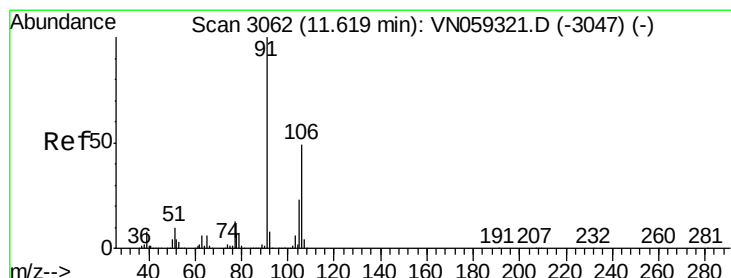
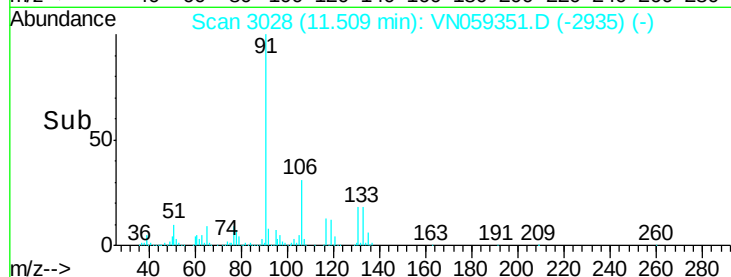
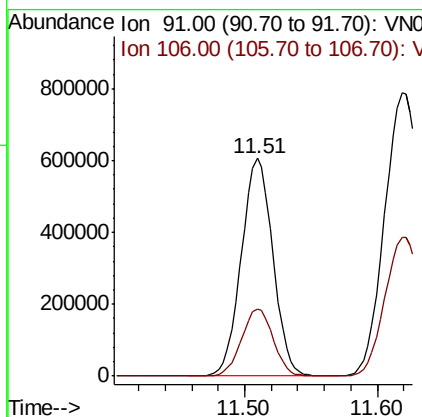
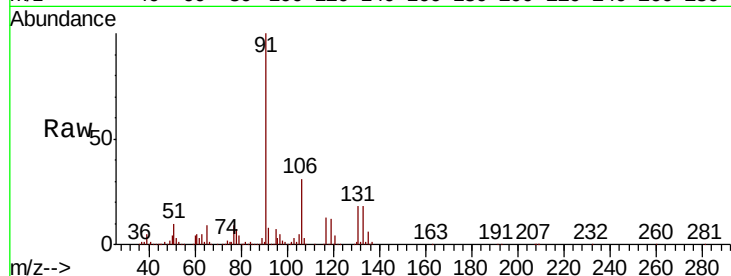
#67
Ethyl Benzene
Concen: 50.565 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN059351.D
Acq: 22 Nov 2019 9:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1002170
Ion Ratio Lower Upper
91 100
106 31.0 24.6 37.0

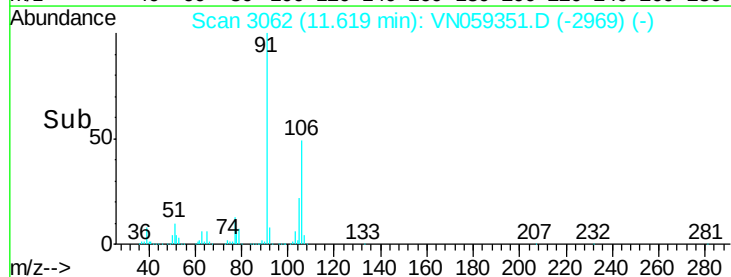
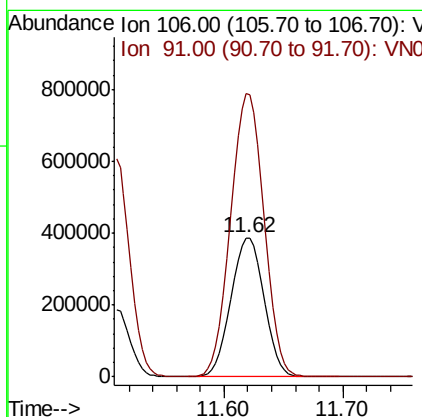
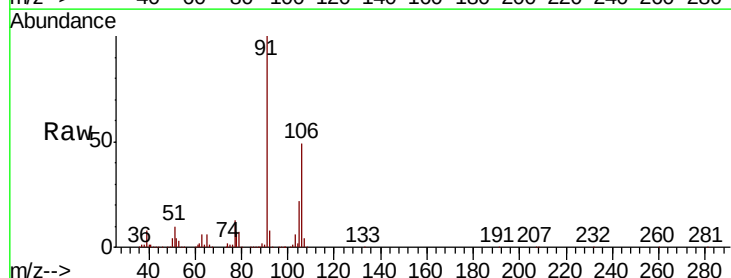
Manual Integrations
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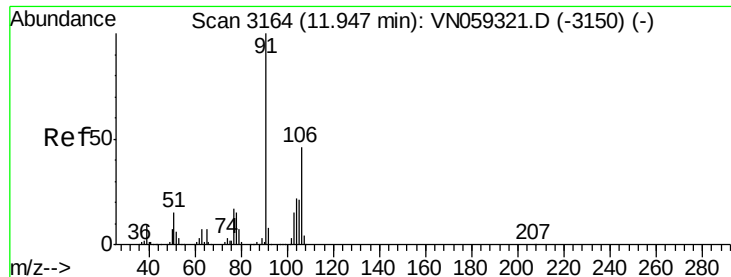
MMDadoda
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#68
m/p-Xylenes
Concen: 101.954 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN059351.D
Acq: 22 Nov 2019 9:36

Tgt Ion: 106 Resp: 750846
Ion Ratio Lower Upper
106 100
91 204.3 163.2 244.8





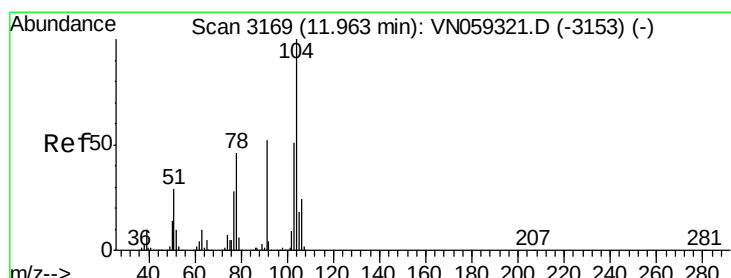
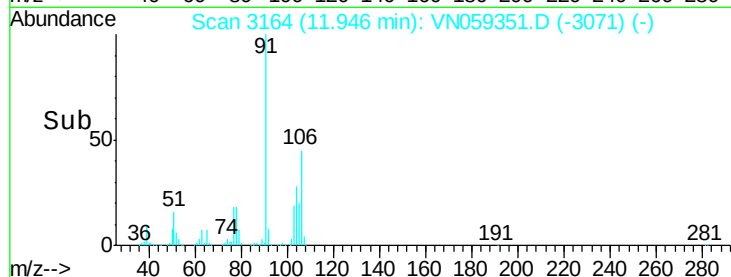
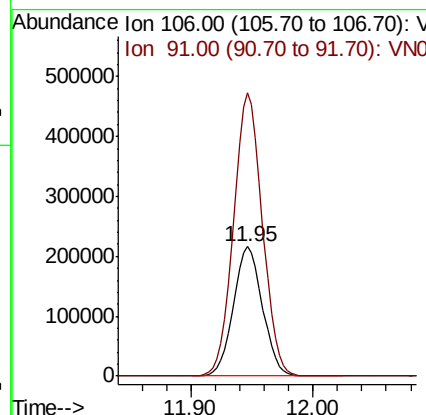
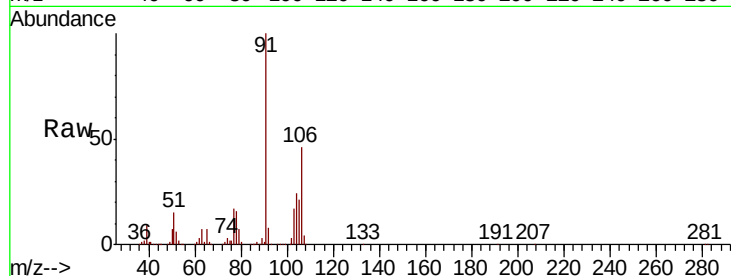
#69
o-Xylene
Concen: 50.777 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059351.D
Acq: 22 Nov 2019 9:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	217.0	109.3	327.9	

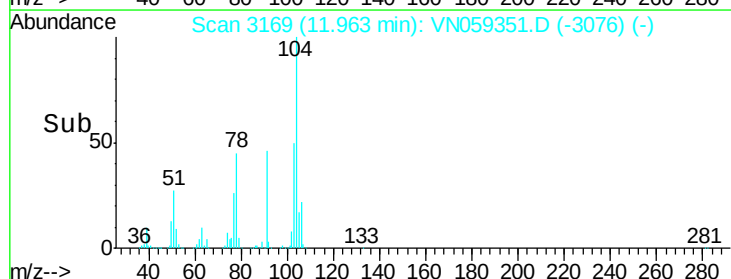
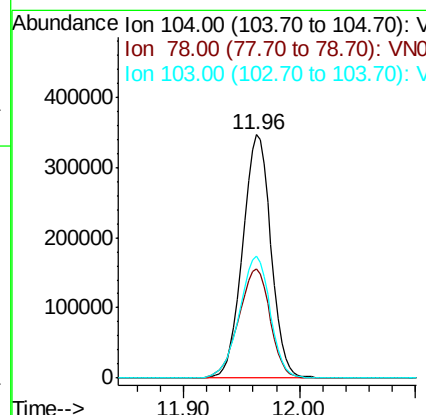
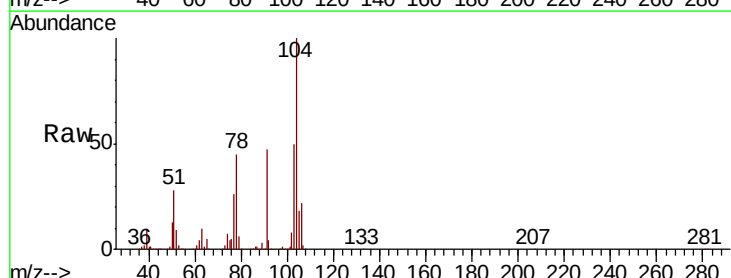
Manual Integrations
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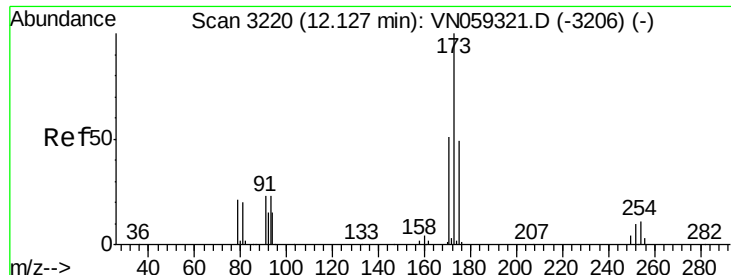
MMDadoda
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#70
Styrene
Concen: 52.817 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059351.D
Acq: 22 Nov 2019 9:36

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	50.1	40.3	60.5	
103	54.7	43.6	65.4	





#71

Bromoform

Concen: 51.171 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059351.D

Acq: 22 Nov 2019 9:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 156277

Ion Ratio Lower Upper

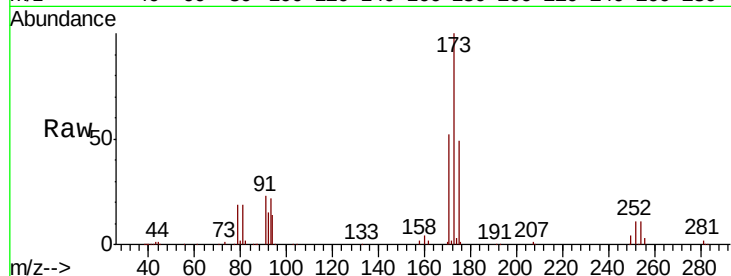
173 100

175 48.7 24.6 73.6

254 0.0 0.1 0.1#

Manual Integrations
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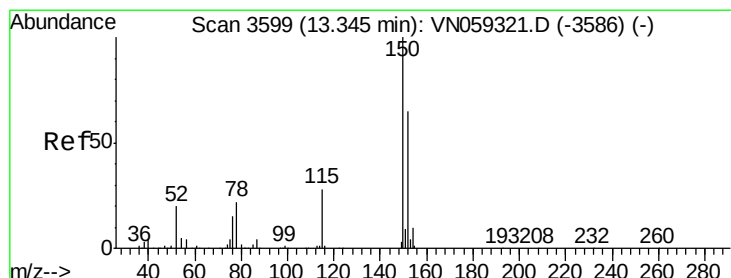
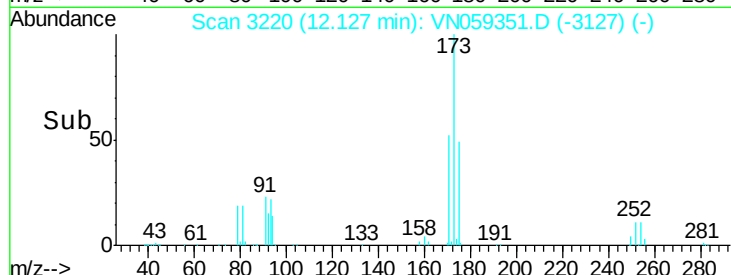
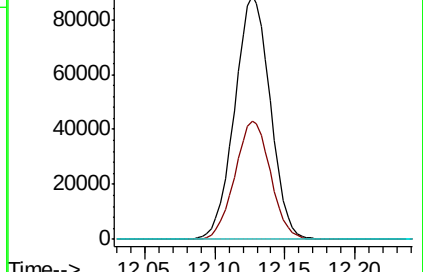
MMDadoda
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059351.D

Acq: 22 Nov 2019 9:36

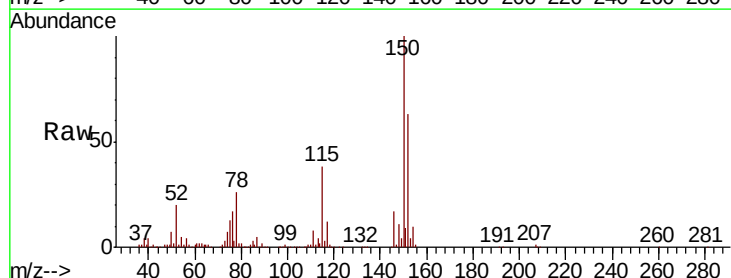
Tgt Ion:152 Resp: 244220

Ion Ratio Lower Upper

152 100

115 58.8 29.3 88.0

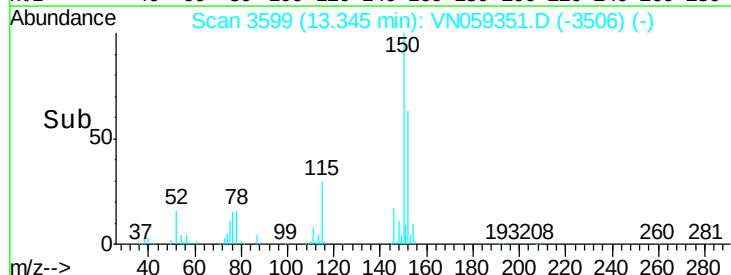
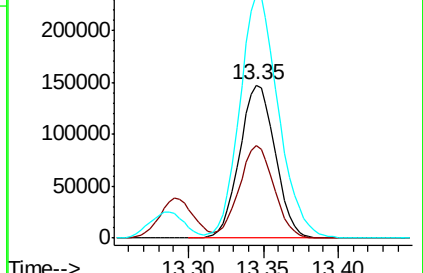
150 172.3 0.0 346.0

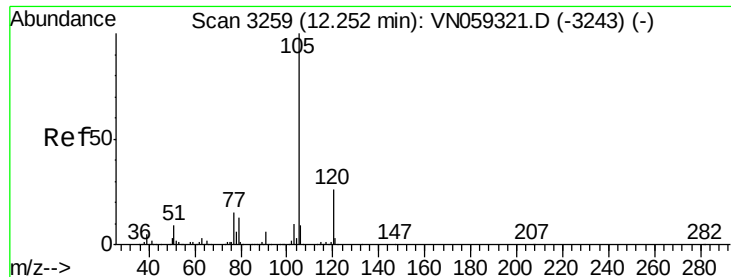


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.388 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059351.D

Acq: 22 Nov 2019 9:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 968059

Ion Ratio Lower Upper

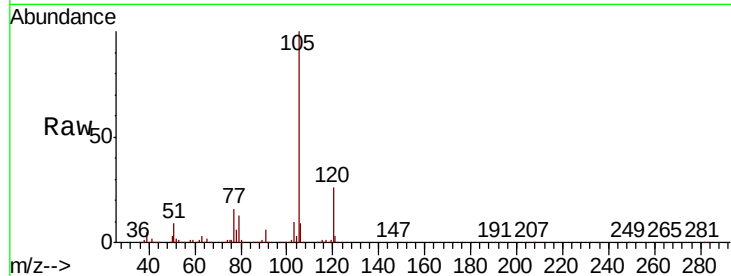
105 100

120 26.1 13.1 39.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

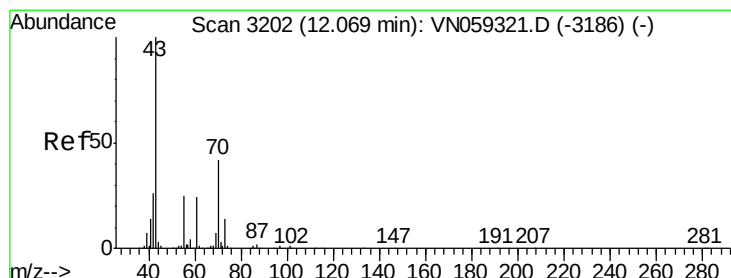
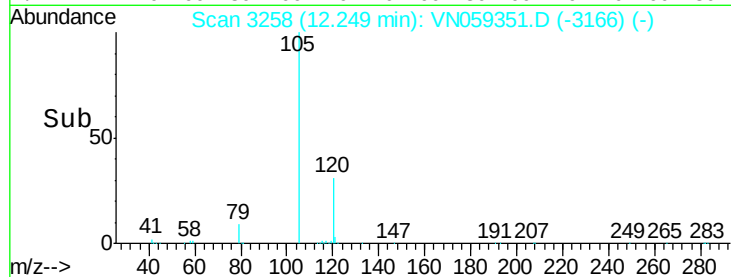
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 47.659 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059351.D

Acq: 22 Nov 2019 9:36

Tgt Ion: 43 Resp: 383187

Ion Ratio Lower Upper

43 100

70 42.6 33.8 50.6

55 25.9 20.3 30.5

61 25.2 19.9 29.9

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

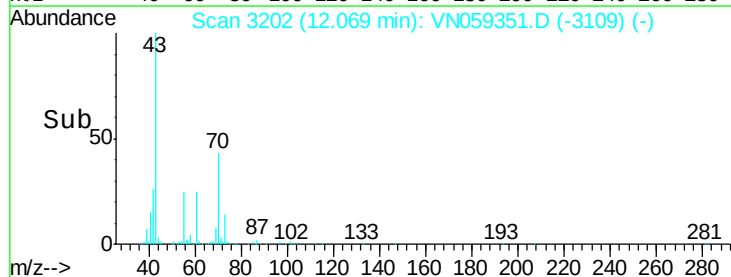
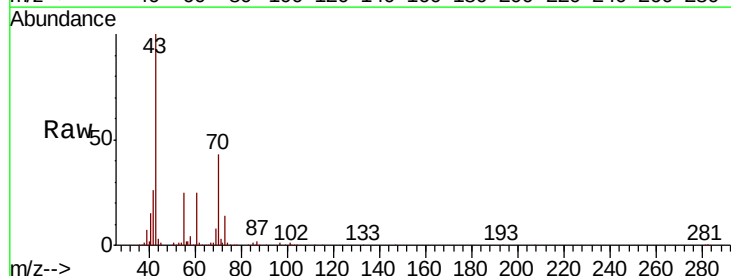
300000

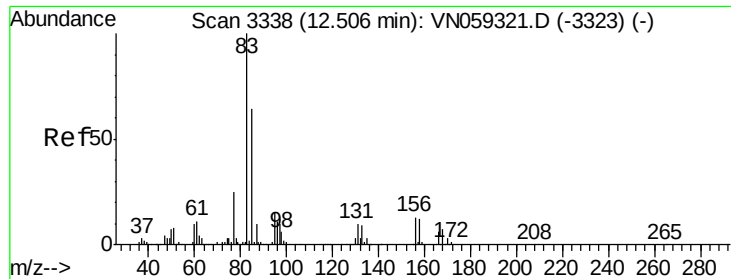
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 45.929 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN059351.D

Acq: 22 Nov 2019 9:36

Instrument :

MSVOA_N

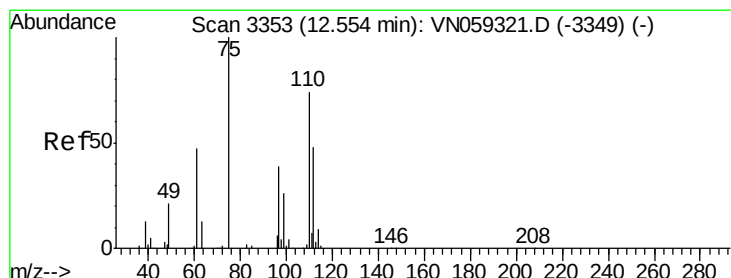
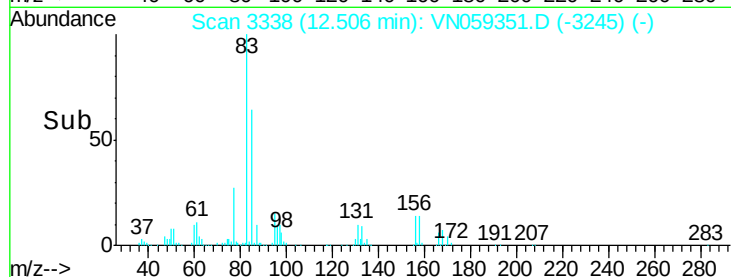
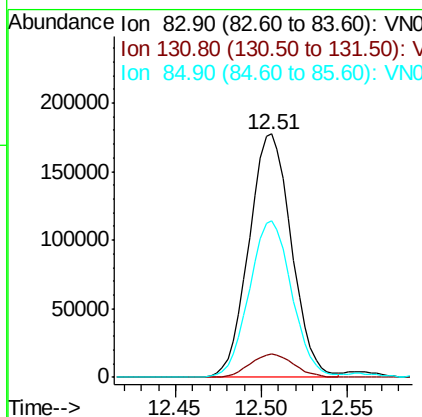
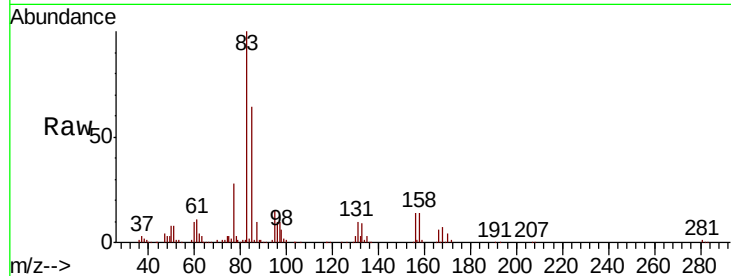
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	303957
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.0	14.9
85	64.4	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.117 ug/l m

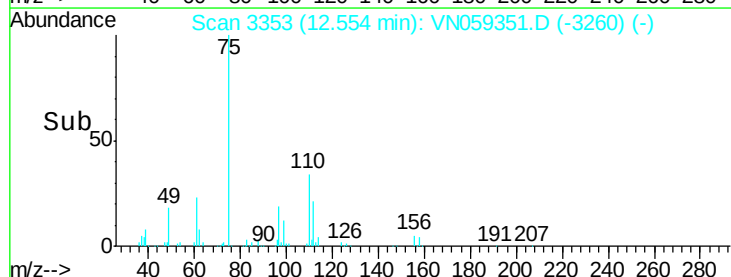
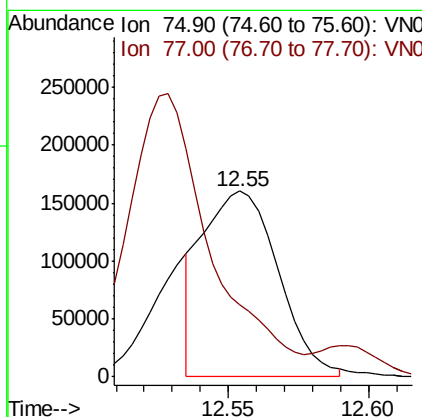
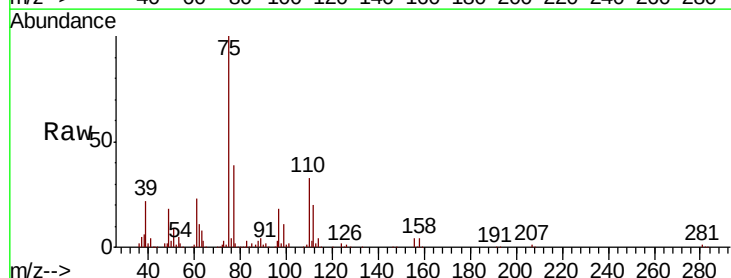
RT: 12.55 min Scan# 3353

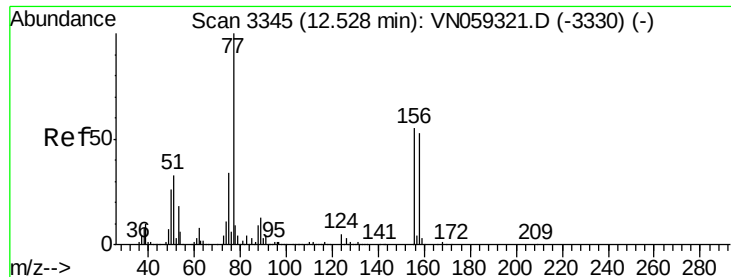
Delta R.T. -0.00 min

Lab File: VN059351.D

Acq: 22 Nov 2019 9:36

Tgt Ion:	75	Resp:	299689
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.354 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN059351.D

Acq: 22 Nov 2019 9:36

Instrument :

MSVOA_N

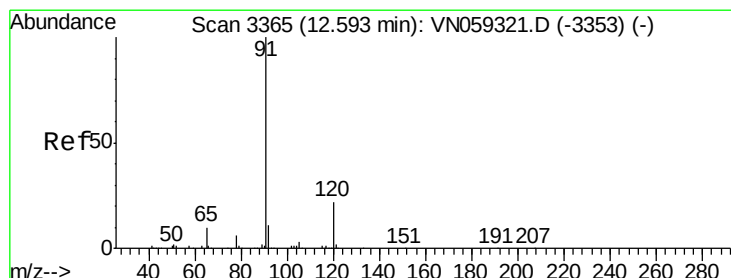
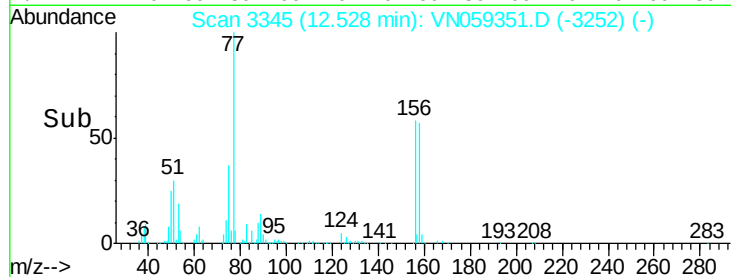
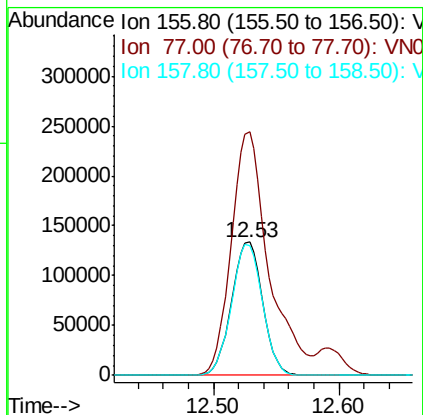
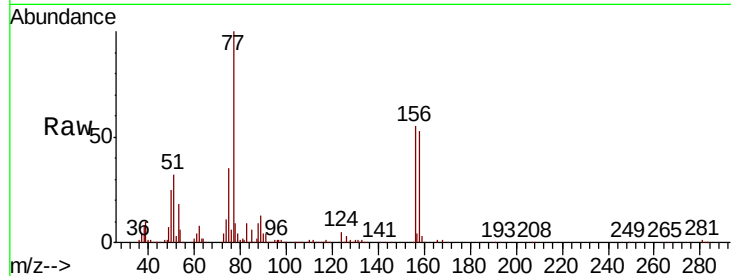
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	219.8	111.1	333.4	
158	98.1	47.8	143.4	

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#78

n-propylbenzene

Concen: 50.077 ug/l

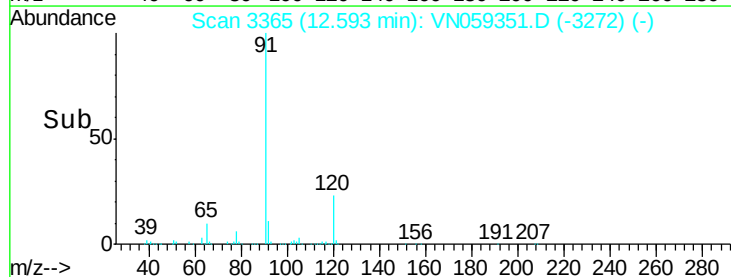
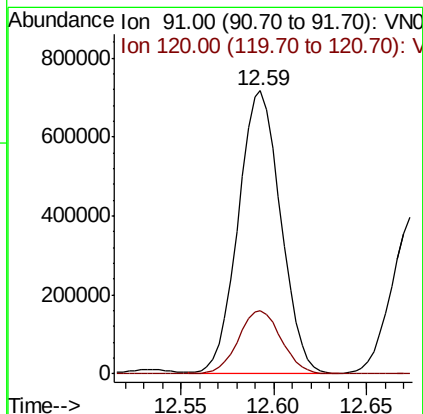
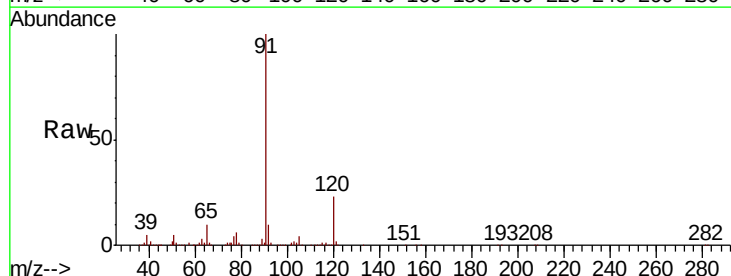
RT: 12.59 min Scan# 3365

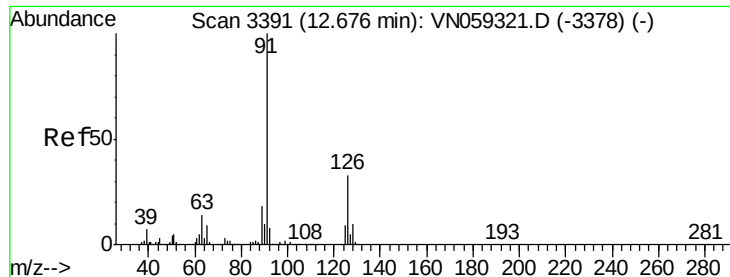
Delta R.T. -0.00 min

Lab File: VN059351.D

Acq: 22 Nov 2019 9:36

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.7	11.3	33.9	





#79

2-Chlorotoluene

Concen: 47.474 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN059351.D

Acq: 22 Nov 2019 9:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 660359

Ion Ratio Lower Upper

91 100

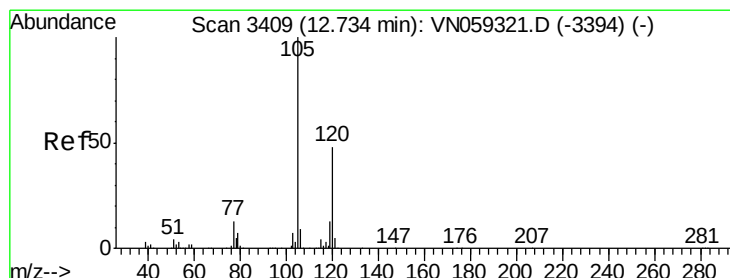
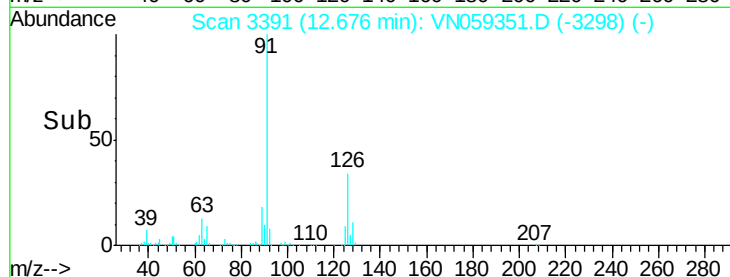
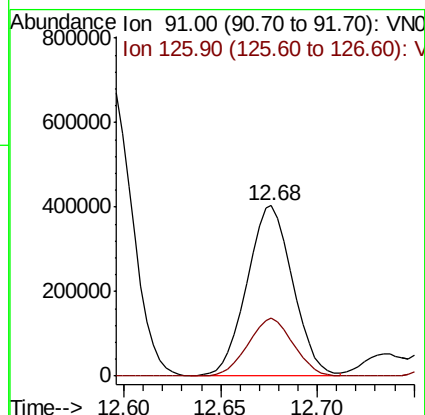
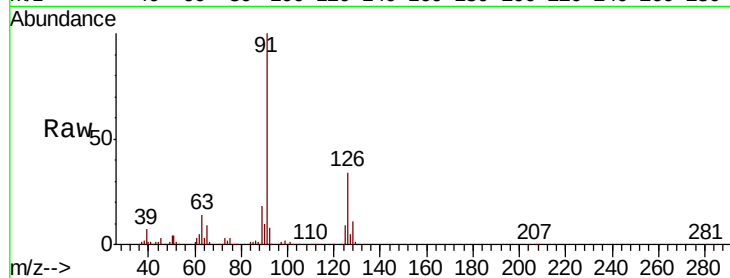
126 33.9 16.7 50.1

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#80

1,3,5-Trimethylbenzene

Concen: 48.778 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059351.D

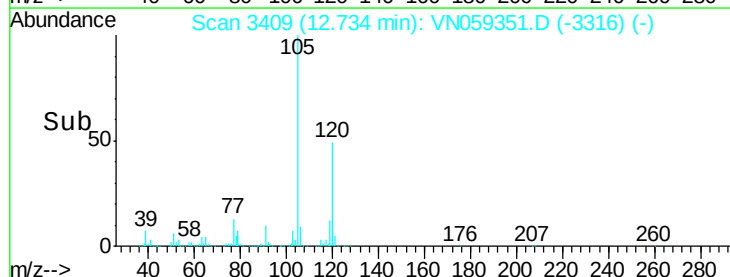
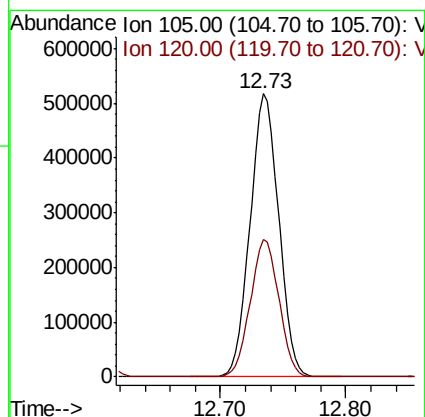
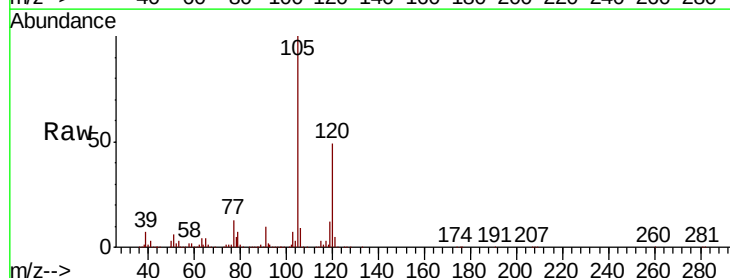
Acq: 22 Nov 2019 9:36

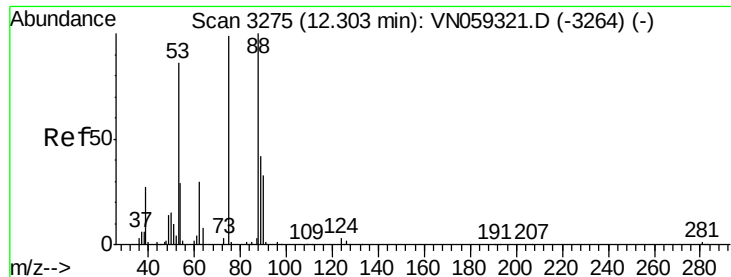
Tgt Ion: 105 Resp: 820347

Ion Ratio Lower Upper

105 100

120 48.7 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 49.338 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059351.D

Acq: 22 Nov 2019 9:36

Instrument :

MSVOA_N

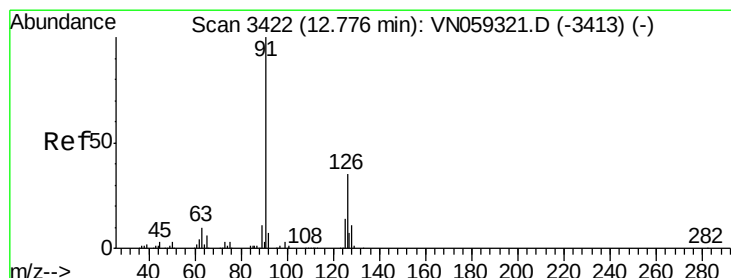
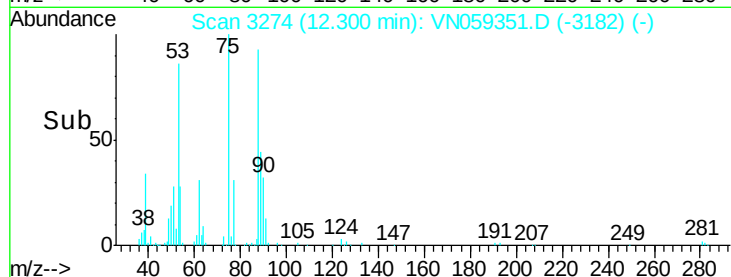
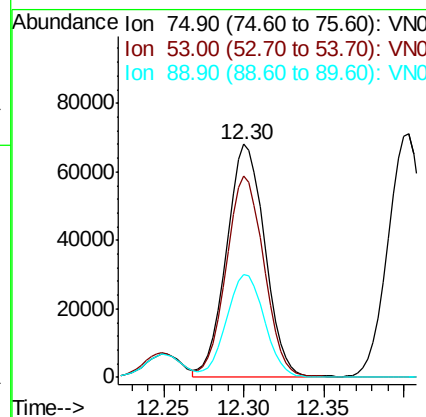
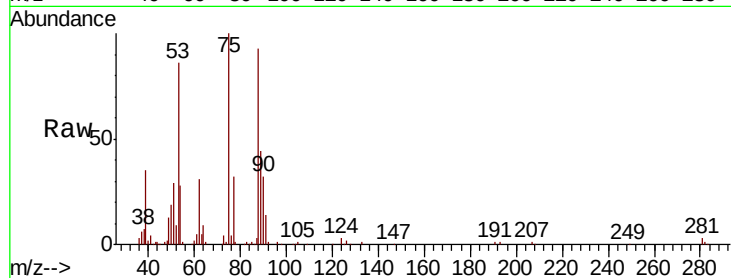
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	111297
Ion Ratio	Lower	Upper	
75	100		
53	85.1	70.7	106.1
89	44.0	35.4	53.0

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#82

4-Chlorotoluene

Concen: 47.406 ug/l

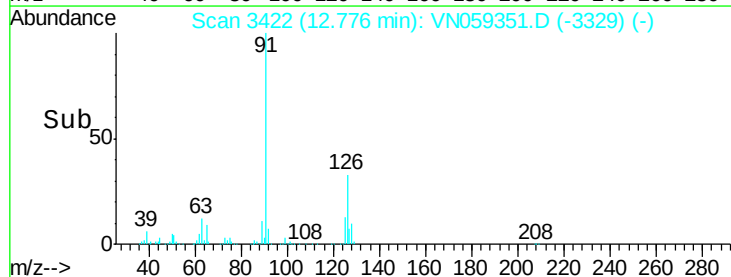
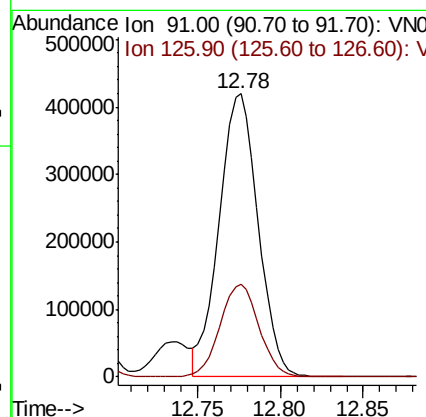
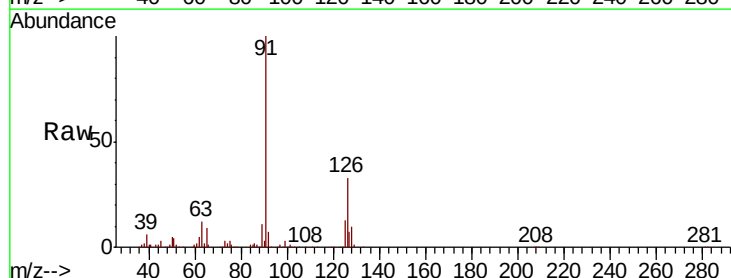
RT: 12.78 min Scan# 3422

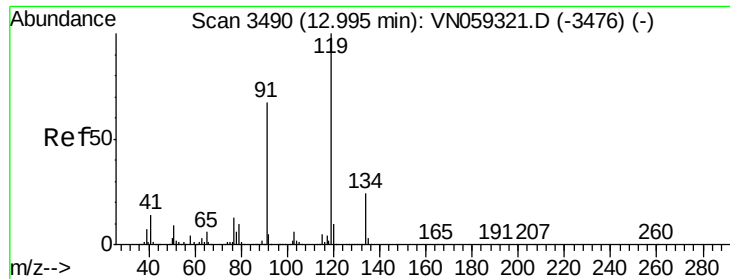
Delta R.T. -0.00 min

Lab File: VN059351.D

Acq: 22 Nov 2019 9:36

Tgt Ion:	91	Resp:	682375
Ion Ratio	Lower	Upper	
91	100		
126	32.9	16.2	48.6





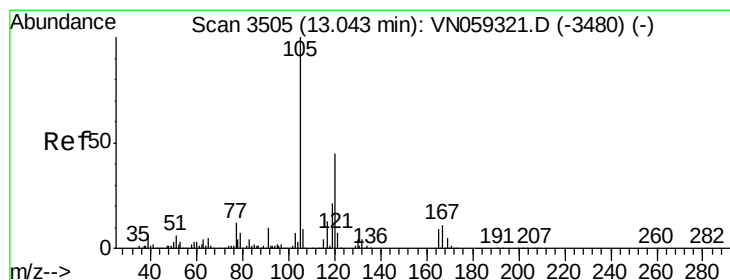
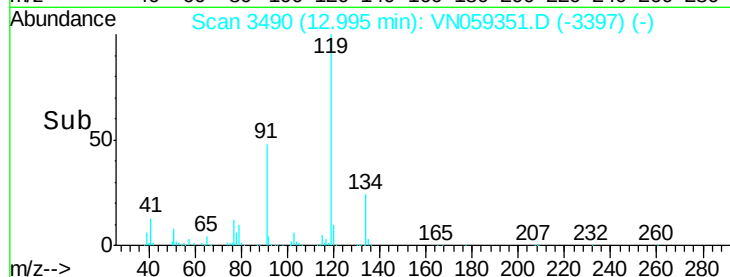
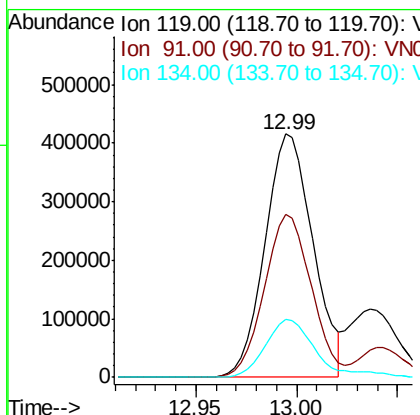
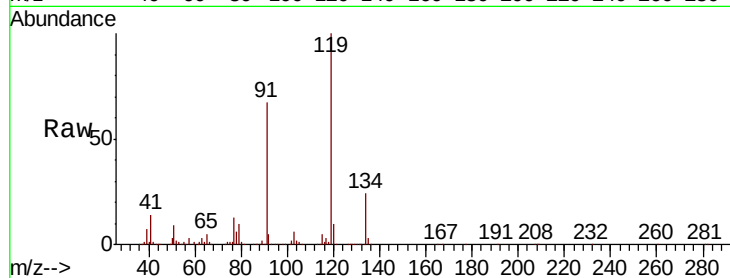
#83
 tert-Butylbenzene
 Concen: 48.422 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059351.D
 Acq: 22 Nov 2019 9:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.3	32.8	98.4
134	25.4	13.0	38.9

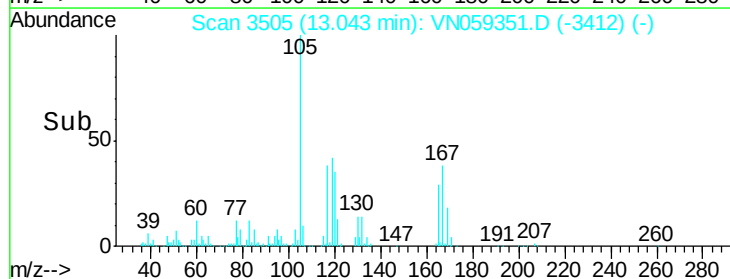
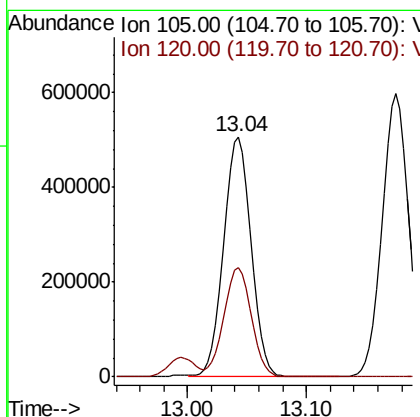
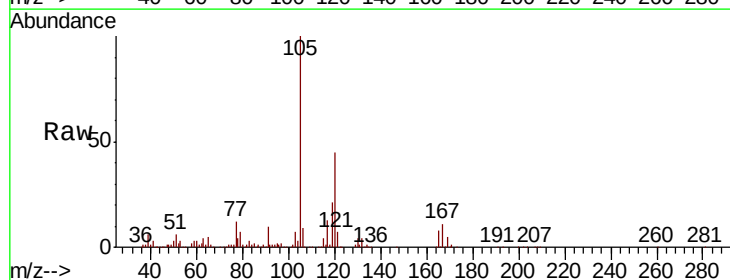
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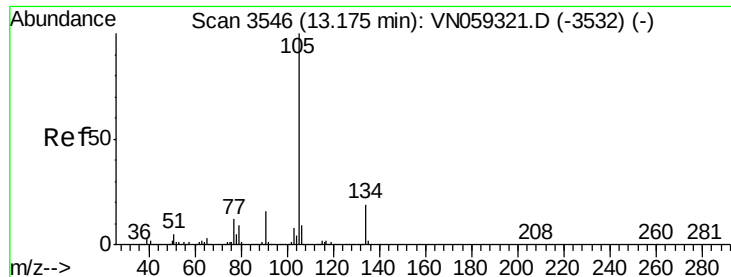
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.260 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. -0.00 min
 Lab File: VN059351.D
 Acq: 22 Nov 2019 9:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.6	67.8





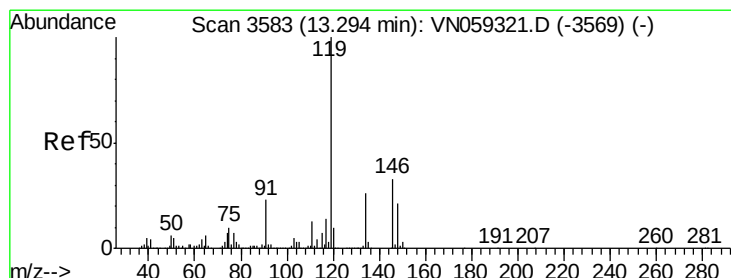
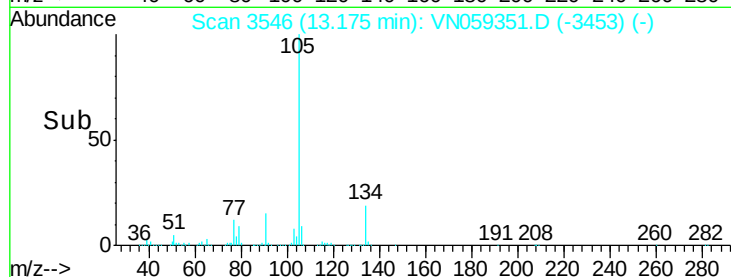
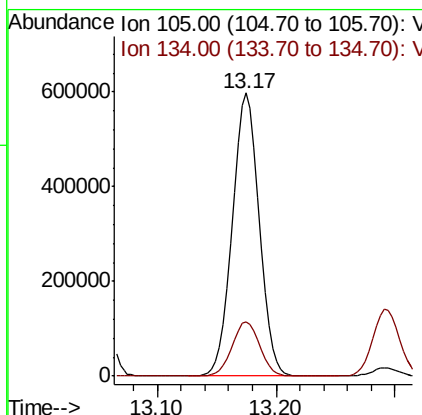
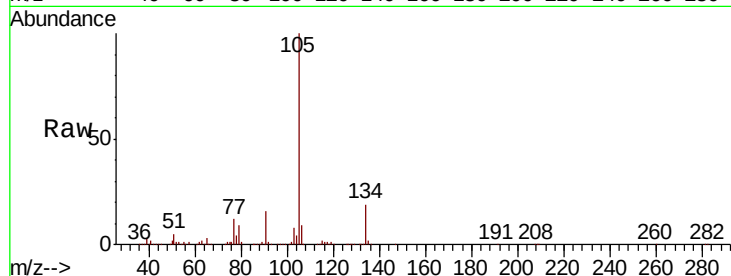
#85
 sec-Butylbenzene
 Concen: 48.815 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN059351.D
 Acq: 22 Nov 2019 9:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	931917		
134	19.8	9.8	29.3	

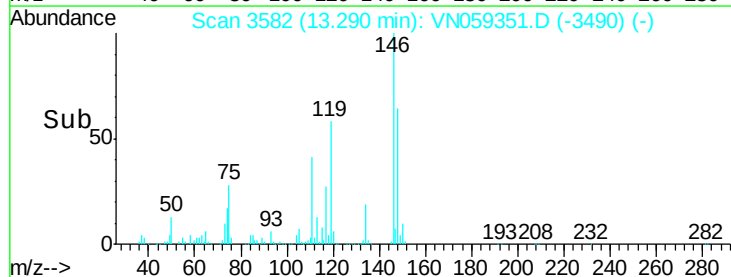
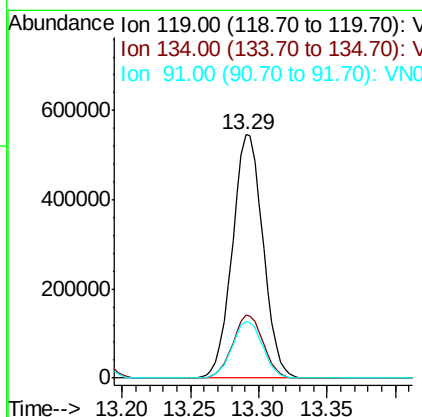
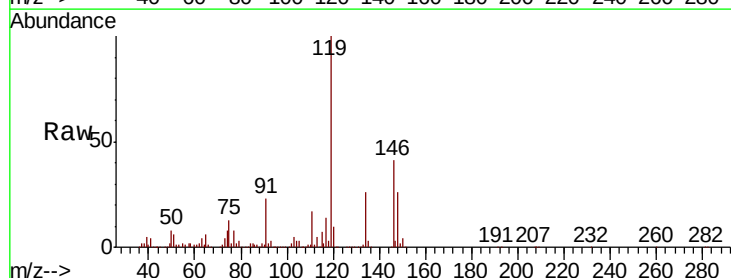
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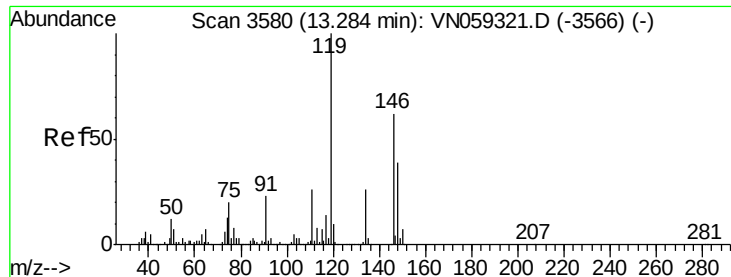
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#86
 p-Isopropyltoluene
 Concen: 50.046 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN059351.D
 Acq: 22 Nov 2019 9:36

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	850183		
134	25.8	13.0	38.9	
91	23.3	11.6	34.7	





#87

1,3-Dichlorobenzene

Concen: 47.895 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059351.D

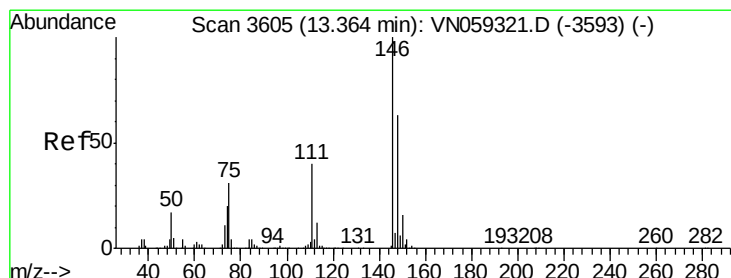
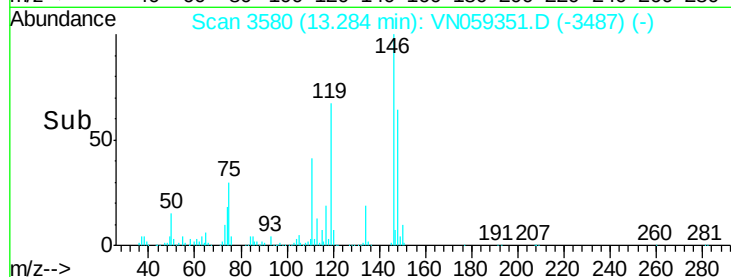
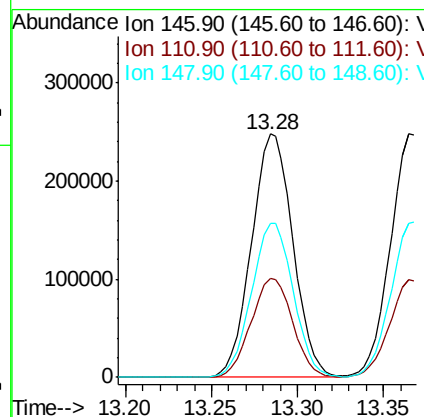
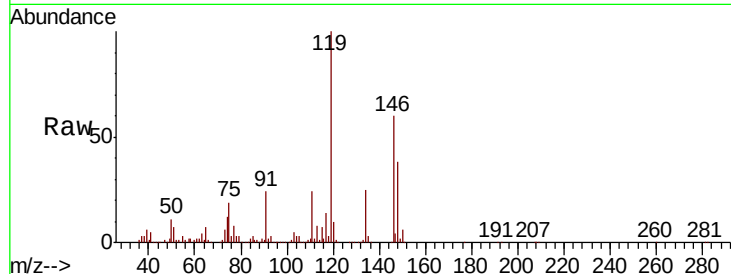
Acq: 22 Nov 2019 9:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.6	61.8
148	63.7	31.9	95.5

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#88

1,4-Dichlorobenzene

Concen: 47.825 ug/l

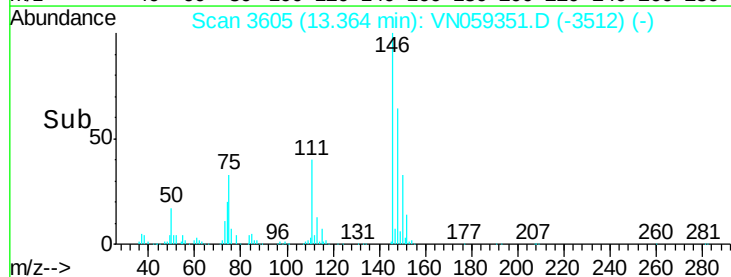
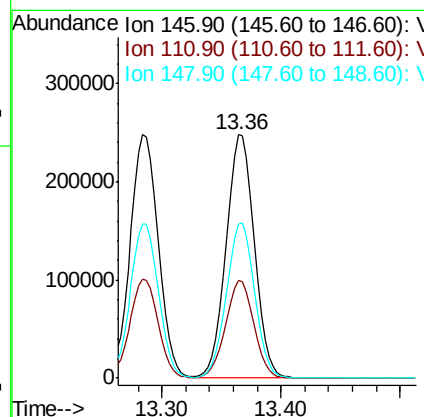
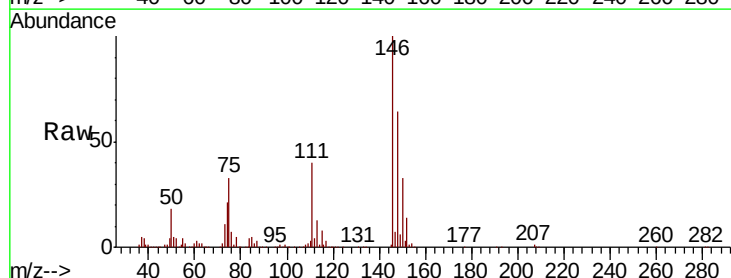
RT: 13.36 min Scan# 3605

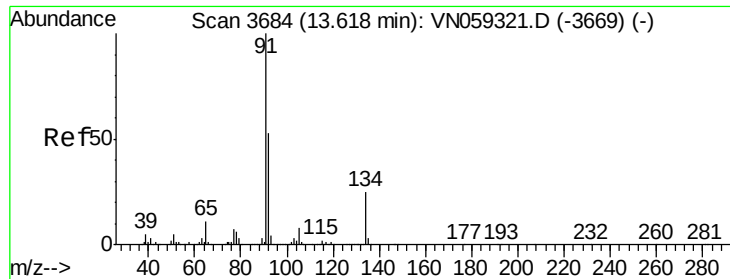
Delta R.T. -0.00 min

Lab File: VN059351.D

Acq: 22 Nov 2019 9:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.1	60.3
148	63.3	31.7	95.1





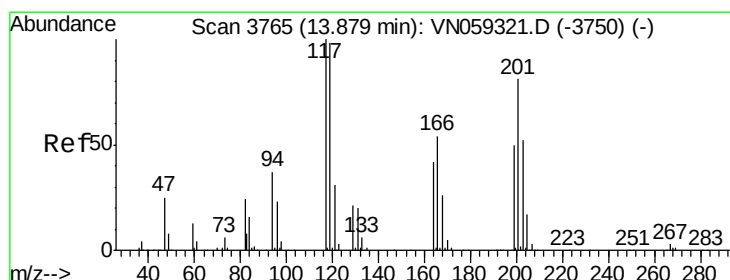
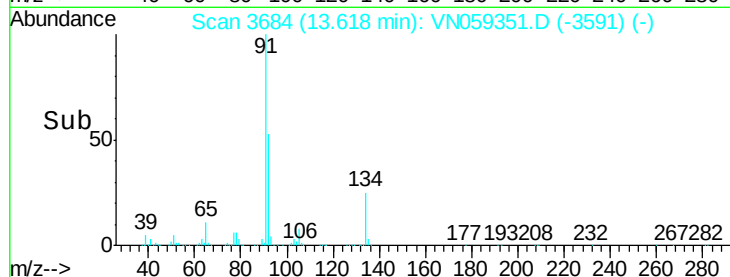
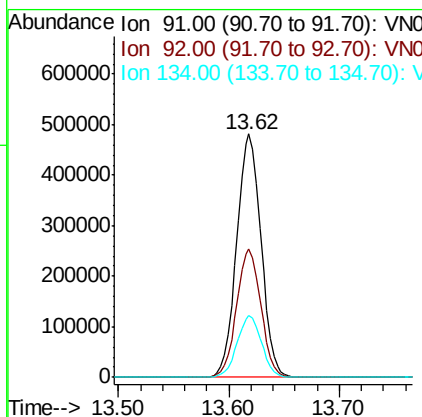
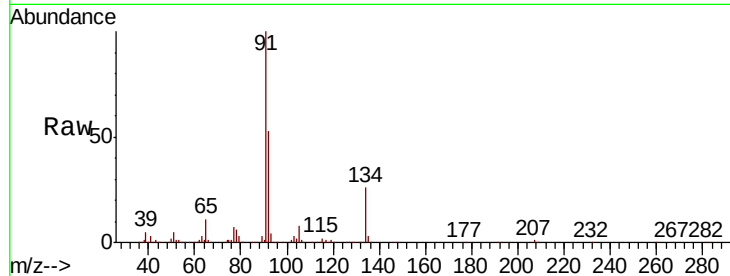
#89
n-Butylbenzene
Concen: 49.492 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN059351.D
Acq: 22 Nov 2019 9:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.0	78.0
134	25.4	12.7	38.1

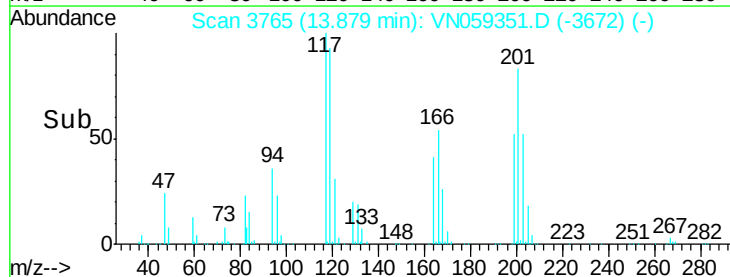
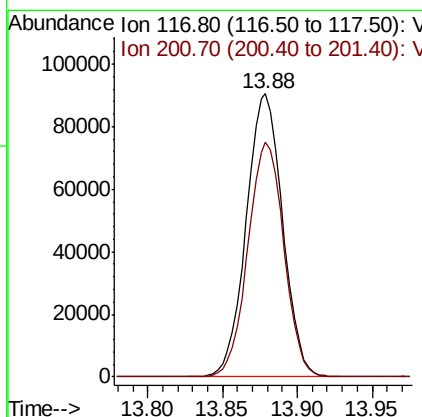
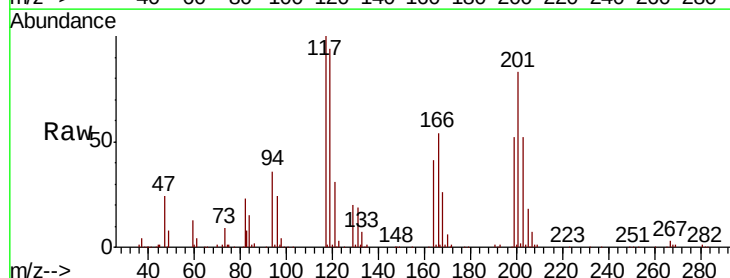
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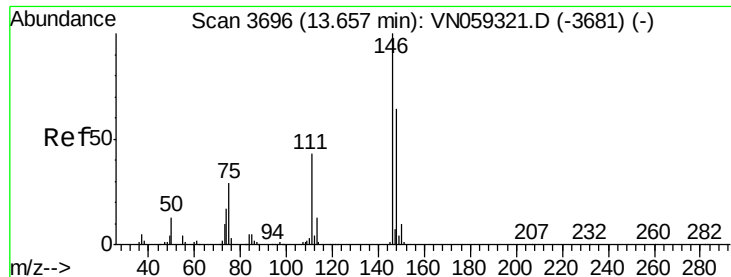
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#90
Hexachloroethane
Concen: 47.531 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN059351.D
Acq: 22 Nov 2019 9:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.0	40.4	121.2





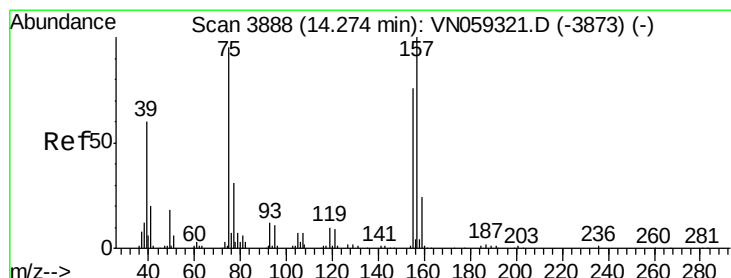
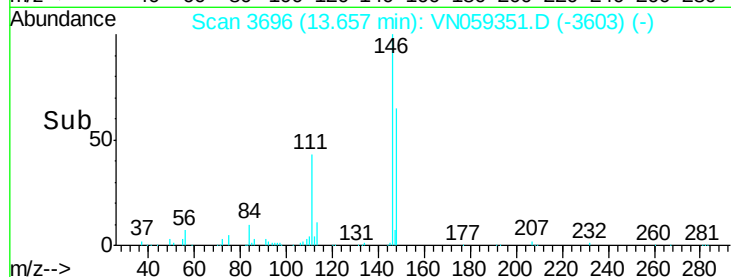
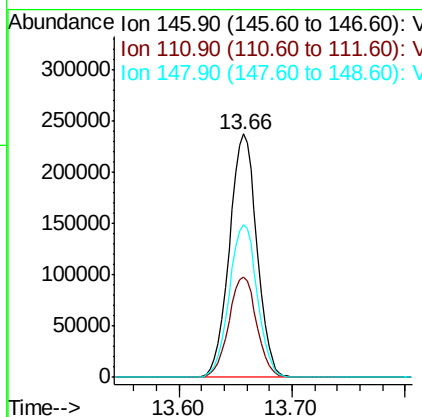
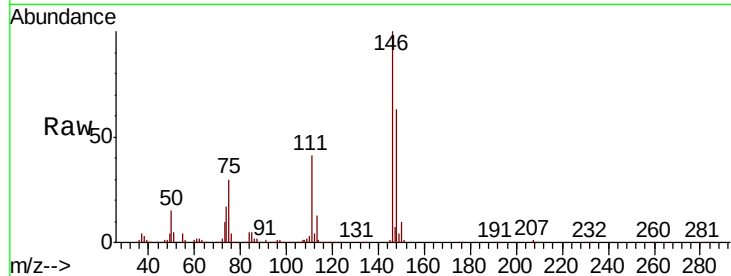
#91
 1,2-Dichlorobenzene
 Concen: 48.011 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN059351.D
 Acq: 22 Nov 2019 9:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.3	64.0
148	64.0	31.9	95.5

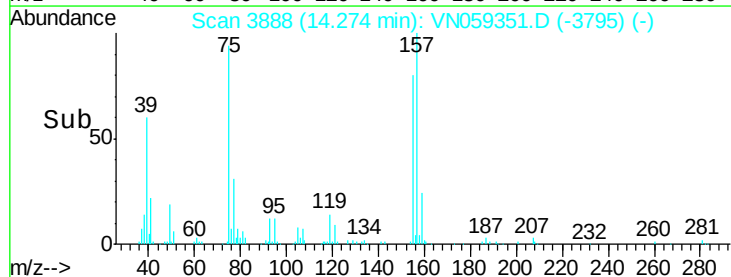
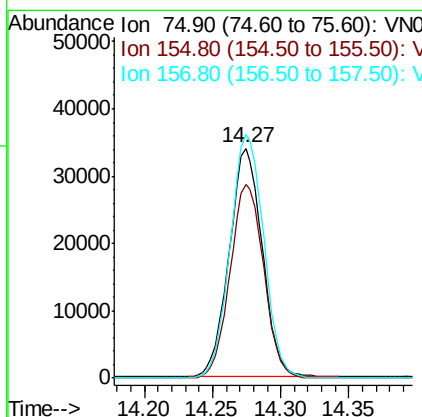
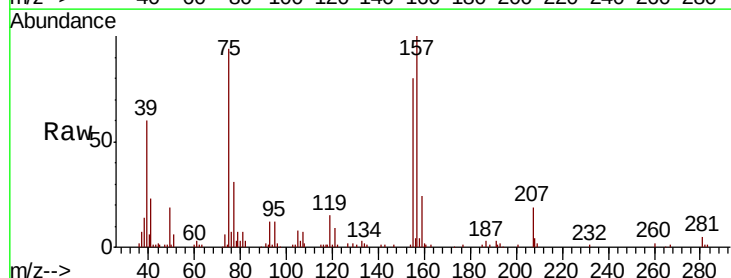
Manual Integrations
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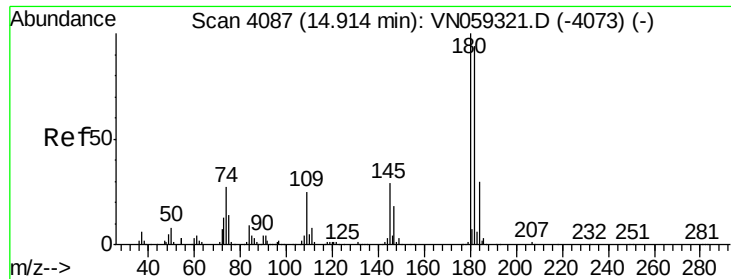
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 40.624 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN059351.D
 Acq: 22 Nov 2019 9:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.9	40.5	121.5
157	108.1	52.7	158.1





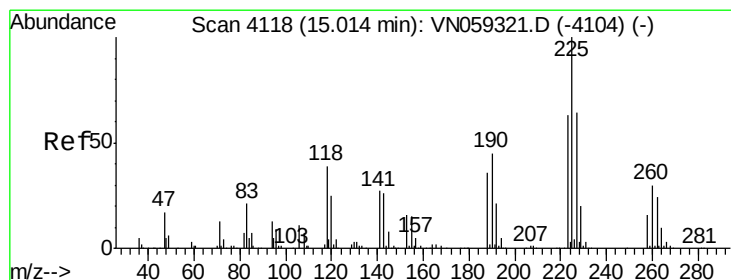
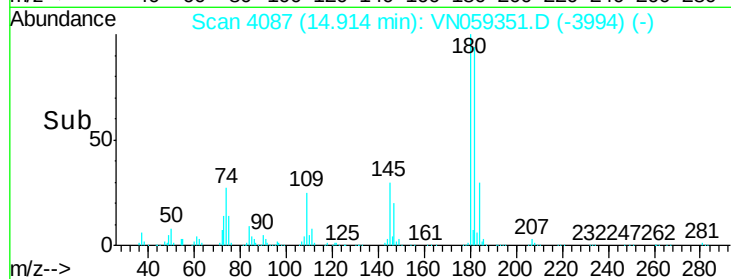
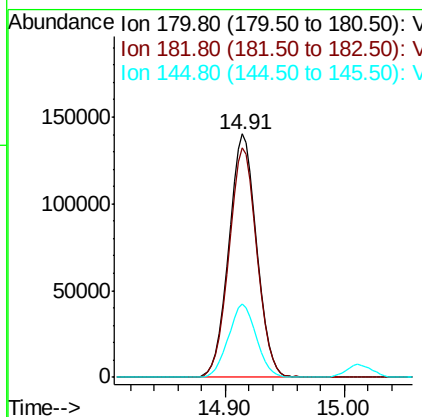
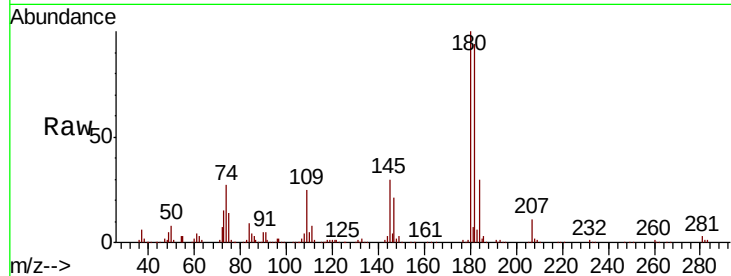
#93
 1,2,4-Trichlorobenzene
 Concen: 43.931 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059351.D
 Acq: 22 Nov 2019 9:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	226479		
182	94.9	47.2	141.6	
145	30.5	14.9	44.5	

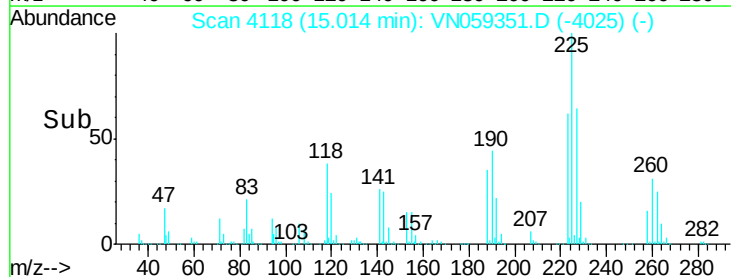
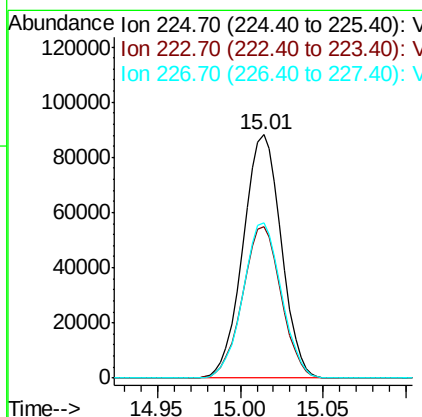
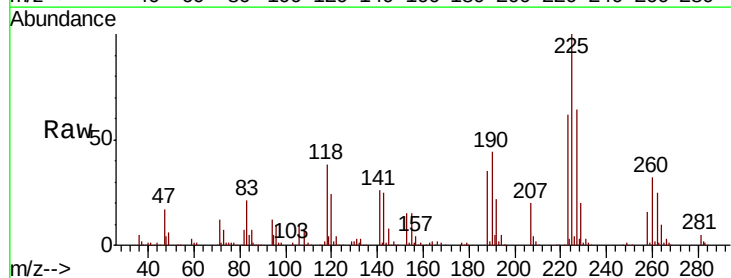
Manual Integrations
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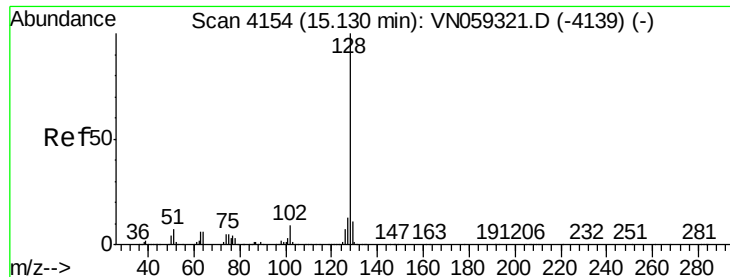
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 11/26/2019 2:43:10 PM



#94
 Hexachlorobutadiene
 Concen: 46.917 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN059351.D
 Acq: 22 Nov 2019 9:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	141327		
223	62.7	31.6	94.8	
227	63.9	32.6	97.7	





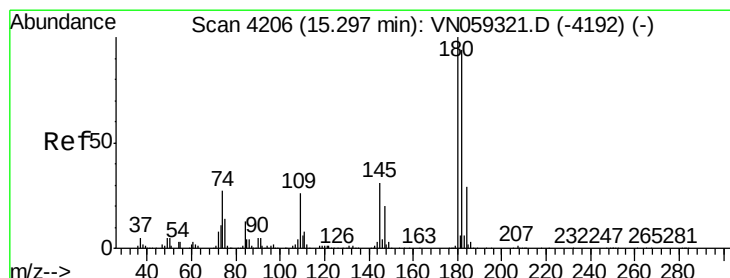
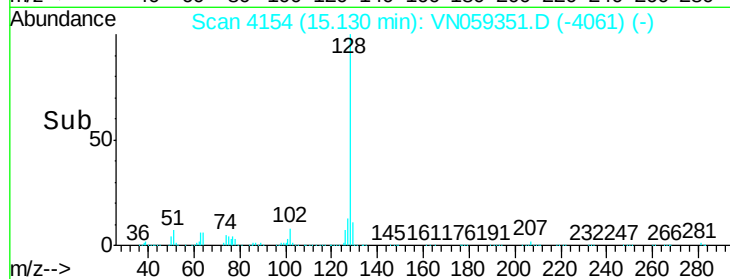
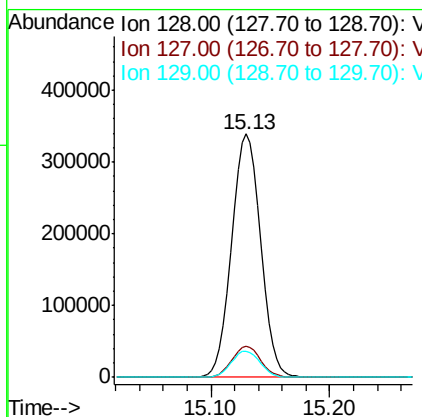
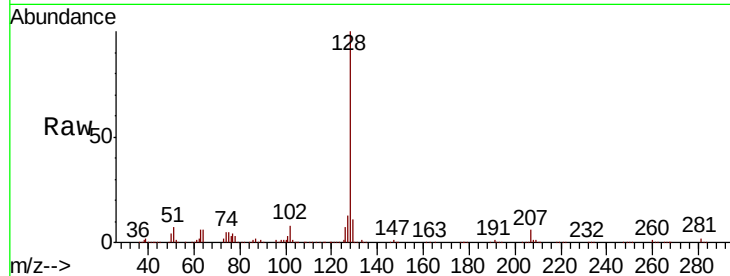
#95
Naphthalene
Concen: 40.480 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059351.D
Acq: 22 Nov 2019 9:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/26/2019 2:43:10 PM



#96
1,2,3-Trichlorobenzene
Concen: 43.063 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN059351.D
Acq: 22 Nov 2019 9:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.1	141.4
145	31.1	15.6	46.8

