

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112618\
 Data File : VN052457.D
 Acq On : 26 Nov 2018 13:46
 Operator : MD\SY
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 11/27/2018 3:52:10 PM

Quant Time: Nov 27 00:44:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:15:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	169240	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	985544	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	880360	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	347391	30.12	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.40%
60) 4-Bromofluorobenzene	12.40	95	406363	30.17	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.57%
63) Toluene-d8	10.09	98	1223327	29.97	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.90%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	484373	50.25	ug/l	100
3) Chloromethane	2.06	50	645426	50.49	ug/l	99
4) Vinyl Chloride	2.19	62	650165	50.39	ug/l	97
5) Bromomethane	2.58	94	361320	49.12	ug/l	98
6) Chloroethane	2.71	64	387528	50.51	ug/l	100
7) Trichlorofluoromethane	3.02	101	795926	49.99	ug/l	99
8) Diethyl Ether	3.41	74	293664	49.95	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	497035	49.24	ug/l	98
10) 1,1-Dichloroethene	3.74	96	476459	50.20	ug/l	97
11) Methyl Iodide	3.96	142	698920	53.04	ug/l	98
12) Methyl Acetate	4.33	43	399294	49.52	ug/l	98
13) Acrolein	3.61	56	232898	245.87	ug/l	100
14) Acrylonitrile	4.99	53	860241	250.37	ug/l	97
15) Acetone	3.82	58	221410	248.83	ug/l	99
16) Carbon Disulfide	4.06	76	1496707	49.81	ug/l	100
17) Allyl chloride	4.33	41	855563	51.69	ug/l	100
18) Methylene Chloride	4.55	84	549271	49.98	ug/l	98
19) trans-1,2-Dichloroethene	5.05	96	515801	50.50	ug/l	97
20) Diisopropyl ether	5.95	45	1759973	50.60	ug/l	99
21) 1,1-Dichloroethane	5.85	63	998982	50.39	ug/l	100
22) cis-1,2-Dichloroethene	6.83	96	591189	50.51	ug/l	99
23) tert-Butyl Alcohol	4.78	59	125555	245.65	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	1243129	49.93	ug/l	99
25) Chloroform	7.37	83	959112	50.15	ug/l	99
26) Cyclohexane	7.65	56	951839	50.91	ug/l #	99
29) 1,1-Dichloropropene	7.80	75	761193	50.58	ug/l	99
30) 2-Butanone	6.83	43	1008350	250.38	ug/l	99
31) 2,2-Dichloropropane	6.83	77	696038	50.24	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	784832	50.12	ug/l	99
33) Carbon Tetrachloride	7.78	117	685689	50.04	ug/l	99
34) Benzene	8.04	78	2274824	50.27	ug/l #	94
35) Methacrylonitrile	7.18	41	249697	35.92	ug/l	97
36) 1,2-Dichloroethane	8.12	62	683911	49.88	ug/l	99
37) Trichloroethene	8.84	130	571116	49.77	ug/l	98
38) Methylcyclohexane	9.08	83	926837	49.75	ug/l	99
39) 1,2-Dichloropropane	9.12	63	613698	50.60	ug/l	98
40) Dibromomethane	9.21	93	326235	49.77	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	723955	49.99	ug/l	99
42) Vinyl Acetate	5.90	43	5471703	251.11	ug/l	99
43) Ethyl Acetate	6.93	43	422063	23.56	ug/l #	67
44) Isopropyl Acetate	8.16	43	754393	50.23	ug/l	99
45) 1,4-Dioxane	9.20	88	82843	1008.30	ug/l	96
46) Methyl methacrylate	9.20	41	389725	49.98	ug/l	98
47) n-amyl Acetate	12.07	43	637746	51.21	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	713621	50.82	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	858464	50.18	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	464213	49.96	ug/l	99
51) Ethyl methacrylate	10.43	69	591087	50.65	ug/l	99
52) 1,3-Dichloropropane	10.71	76	823639	49.80	ug/l	100
53) Dibromochloromethane	10.90	129	512777	50.13	ug/l	97
54) 1,2-Dibromoethane	11.01	107	456665	50.30	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	1731709	253.52	ug/l	100
56) Bromoform	12.13	173	336644	50.35	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	2130219	249.59	ug/l	99
59) 2-Hexanone	10.75	43	1462966	250.93	ug/l	100
61) Tetrachloroethene	10.63	164	533524	49.21	ug/l	98
62) Toluene	10.16	91	2410364	49.67	ug/l	100
64) Chlorobenzene	11.44	112	1476797	49.85	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	511545	49.75	ug/l	99
66) Ethyl Benzene	11.51	91	2630492	50.29	ug/l	100
67) m/p-Xylenes	11.62	106	1956723	100.41	ug/l	100
68) o-Xylene	11.95	106	944011	49.91	ug/l	99
69) Styrene	11.97	104	1551574	50.82	ug/l	100
70) Isopropylbenzene	12.25	105	2533997	50.35	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	546491	49.92	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	471109m	51.54	ug/l	
73) Bromobenzene	12.53	156	609822	50.10	ug/l	99
74) n-propylbenzene	12.59	91	2947111	50.26	ug/l	100
75) 2-Chlorotoluene	12.68	91	1706814	50.15	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	2045508	50.32	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	148331	49.97	ug/l	98
78) 4-Chlorotoluene	12.77	91	1722817	50.69	ug/l	100
79) tert-butylbenzene	12.99	119	1773332	50.10	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	2047530	50.34	ug/l	100
81) sec-Butylbenzene	13.17	105	2463669	49.97	ug/l	100
82) p-Isopropyltoluene	13.29	119	2113935	50.35	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	1081242	50.51	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	1053594	50.94	ug/l	99
85) n-Butylbenzene	13.62	91	1816571	50.37	ug/l	99
86) Hexachloroethane	13.88	117	354192	49.79	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	1029389	50.53	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	76246	49.72	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	522120	52.02	ug/l	99
90) Hexachlorobutadiene	15.01	225	316542	48.08	ug/l	99
91) Naphthalene	15.14	128	1056759	52.14	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	474362	51.29	ug/l	98

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VSTDICC050

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QLast Update : Tue Nov 27 00:15:57 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

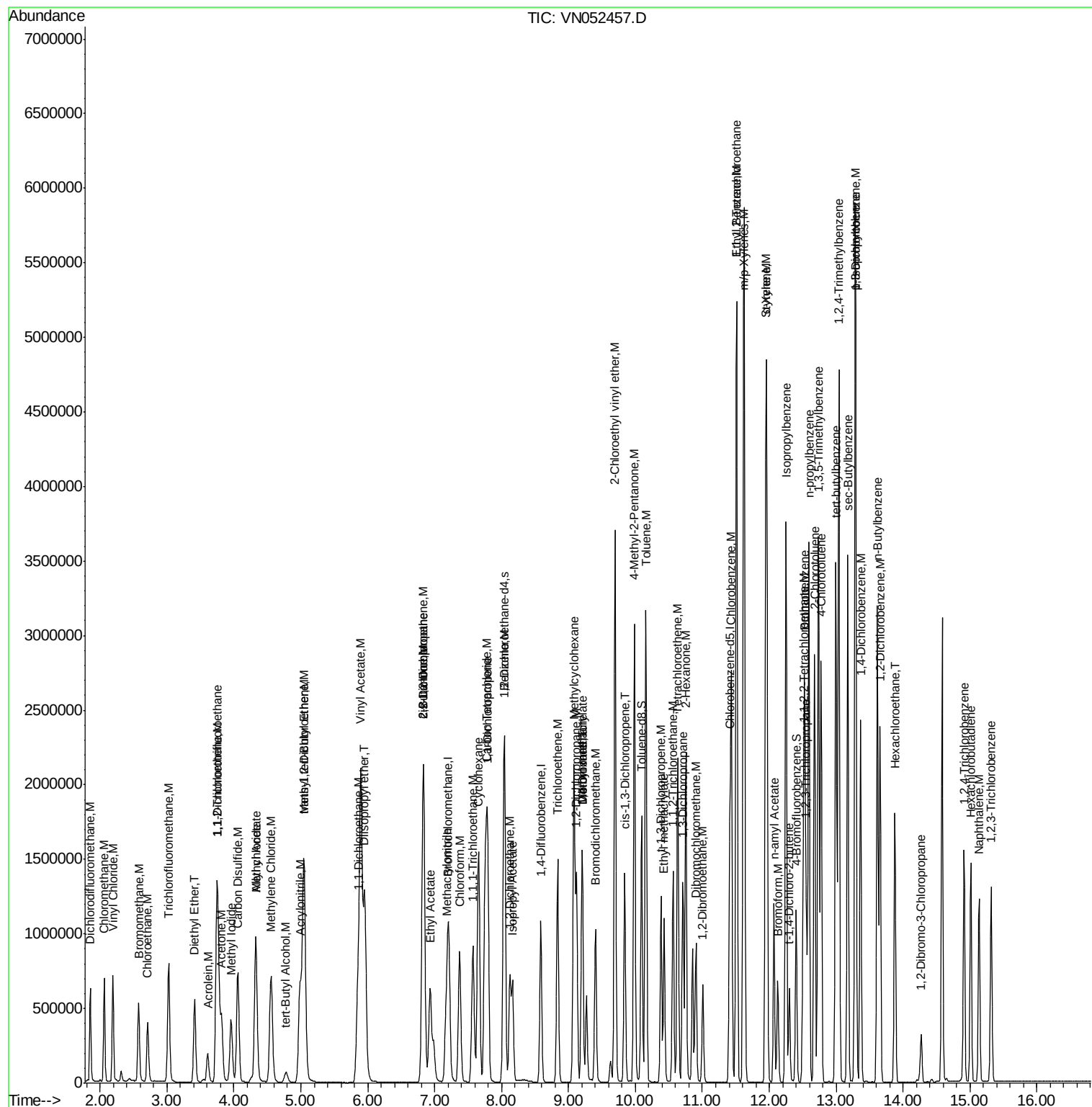
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112618\
 Data File : VN052457.D
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 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA_N/WATER
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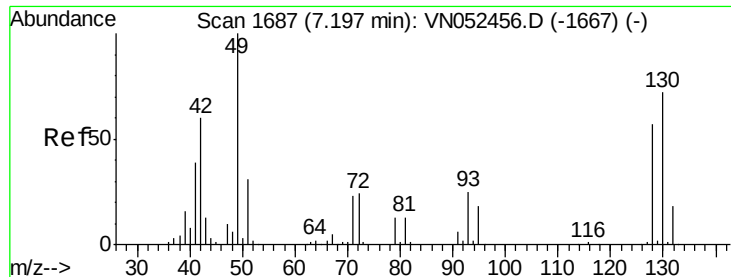
Instrument :
 MSVOA_N
 Client Sample Id :
 VSTDIC050

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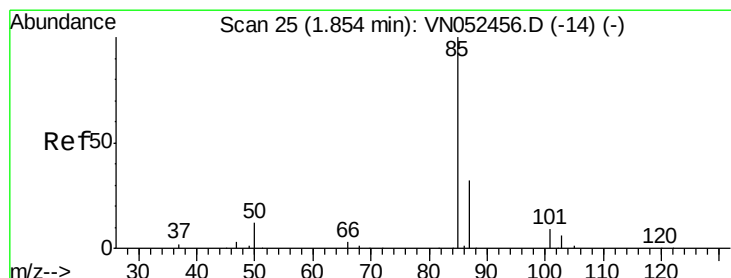
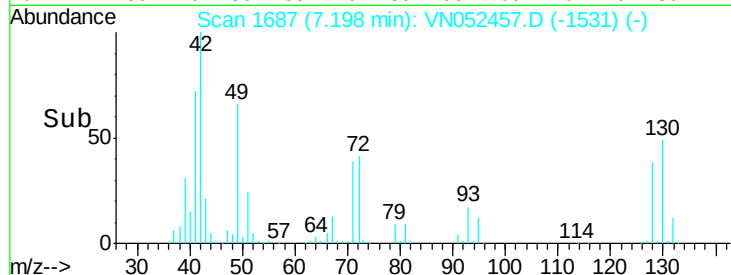
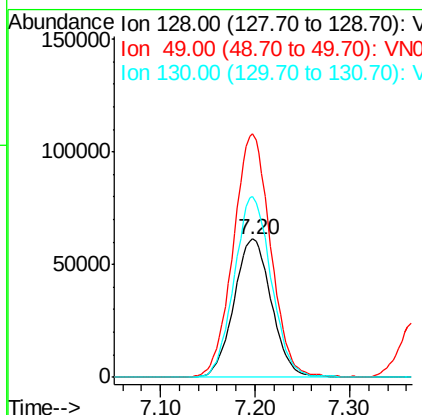
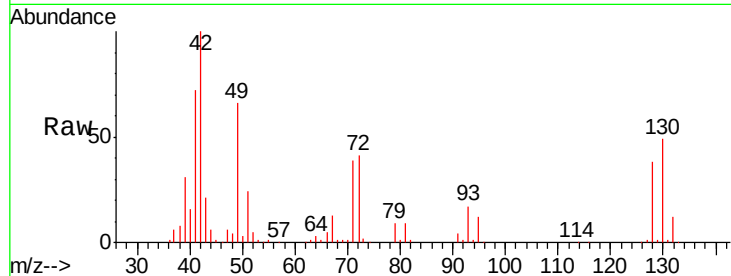
#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN052457.D
Acq: 26 Nov 2018 13:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	169240		
49	175.6	0.0	431.8	
130	129.0	0.0	317.0	

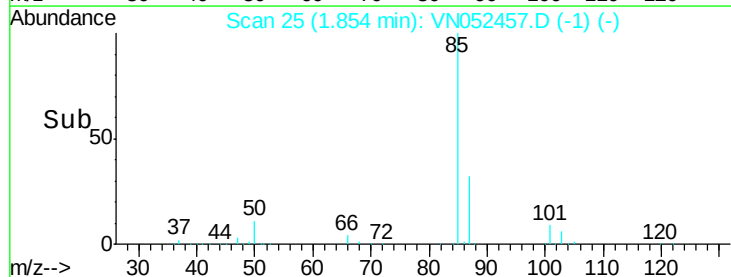
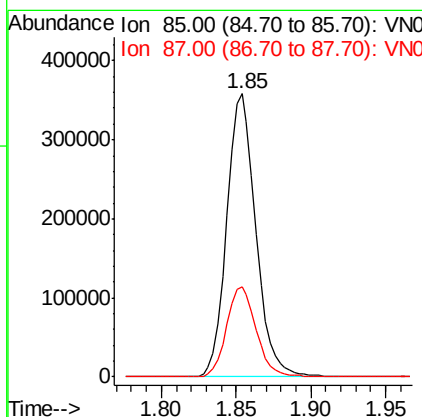
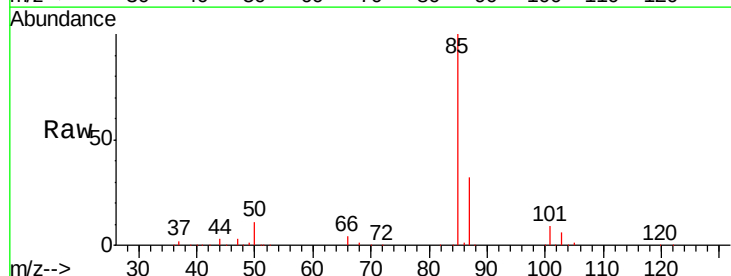
Manual Integrations
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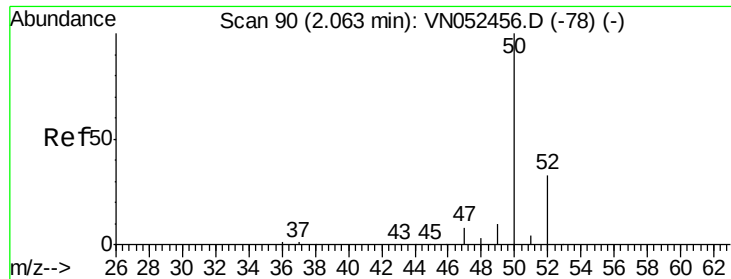
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#2
Dichlorodifluoromethane
Concen: 50.25 ug/l
RT: 1.85 min Scan# 25
Delta R.T. 0.00 min
Lab File: VN052457.D
Acq: 26 Nov 2018 13:46

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	484373		
87	31.9	16.1	48.3	





#3

Chloromethane

Concen: 50.49 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052457.D

Acq: 26 Nov 2018 13:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 50 Resp: 645426

Ion Ratio Lower Upper

50 100

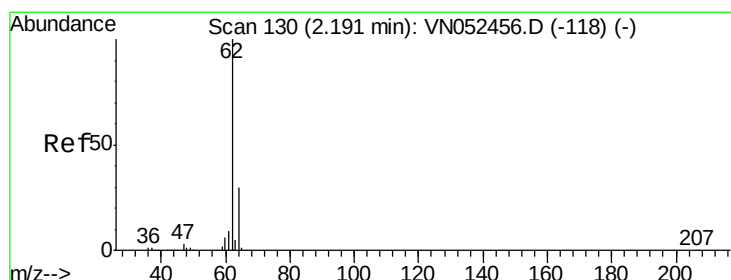
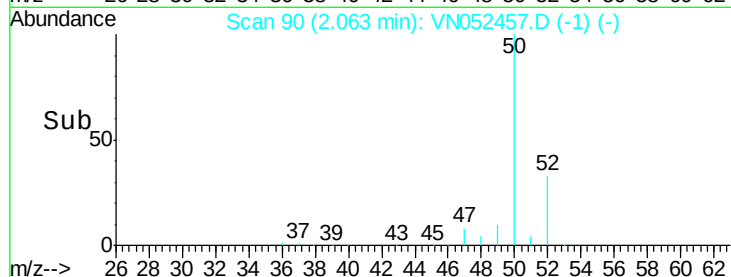
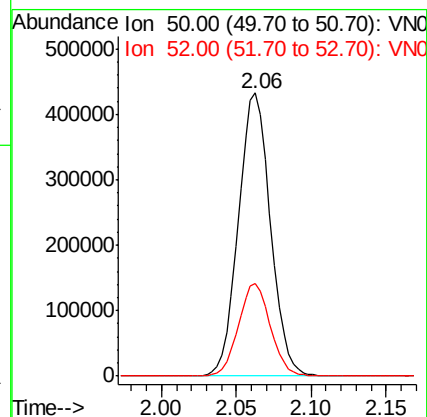
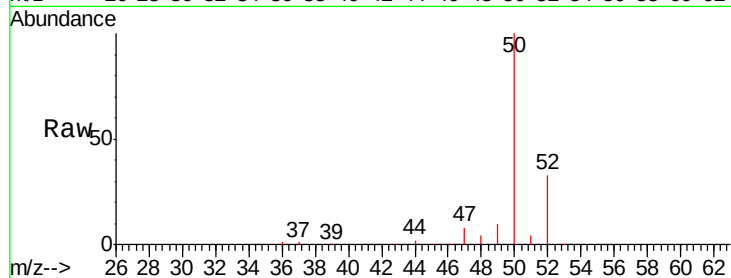
52 32.8 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.39 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052457.D

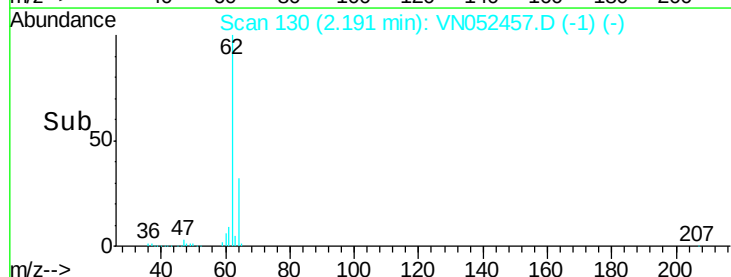
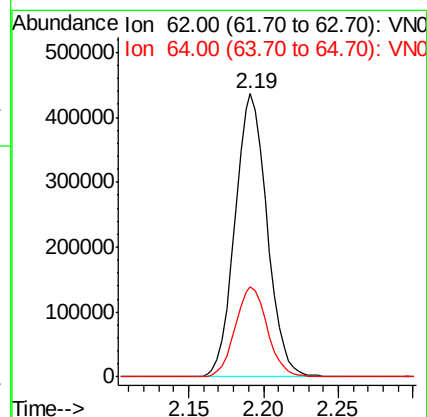
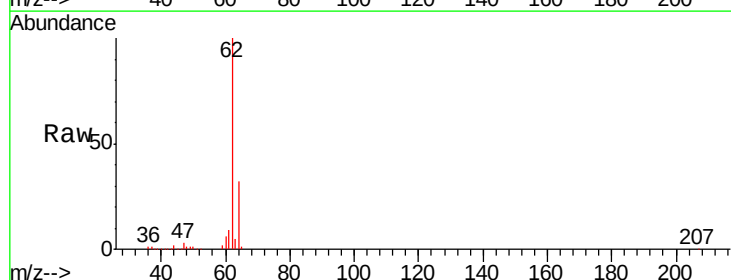
Acq: 26 Nov 2018 13:46

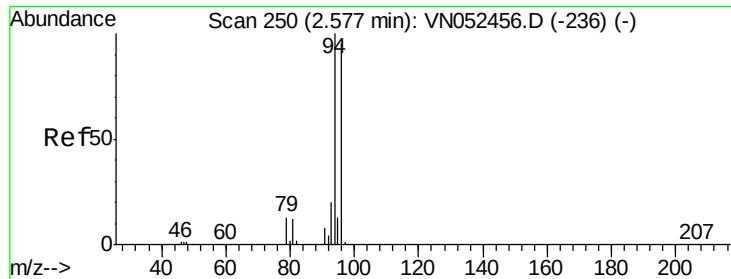
Tgt Ion: 62 Resp: 650165

Ion Ratio Lower Upper

62 100

64 31.8 24.2 36.4





#5

Bromomethane

Concen: 49.12 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052457.D

Acq: 26 Nov 2018 13:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 94 Resp: 361320

Ion Ratio Lower Upper

94 100

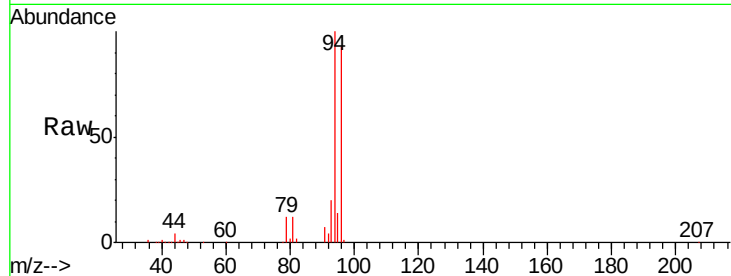
96 93.4 76.2 114.2

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

200000

150000

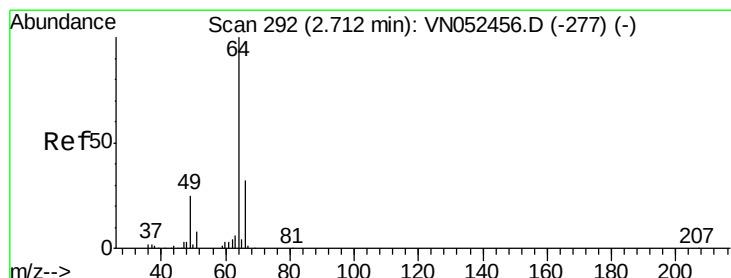
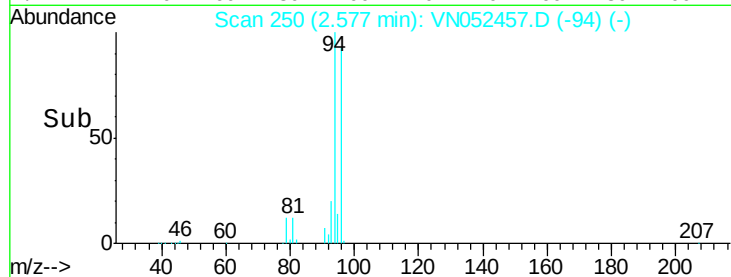
100000

50000

0

2.50 2.55 2.60 2.65

Time-->



#6

Chloroethane

Concen: 50.51 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052457.D

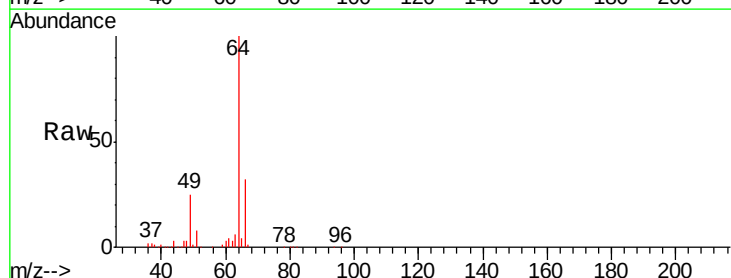
Acq: 26 Nov 2018 13:46

Tgt Ion: 64 Resp: 387528

Ion Ratio Lower Upper

64 100

66 31.9 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

200000

150000

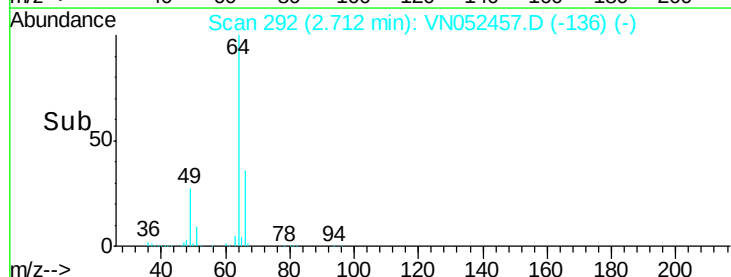
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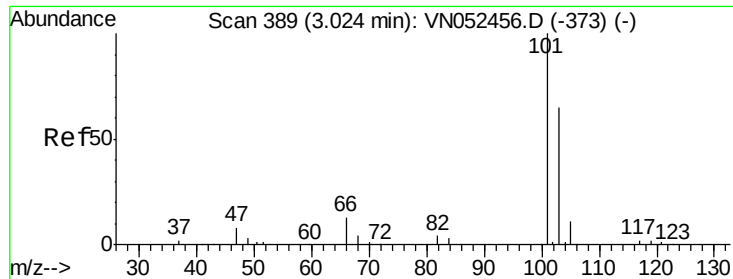
50000

0

2.60 2.65 2.70 2.75 2.80

Time-->





#7

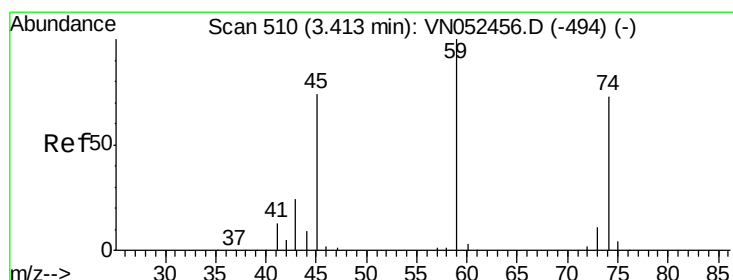
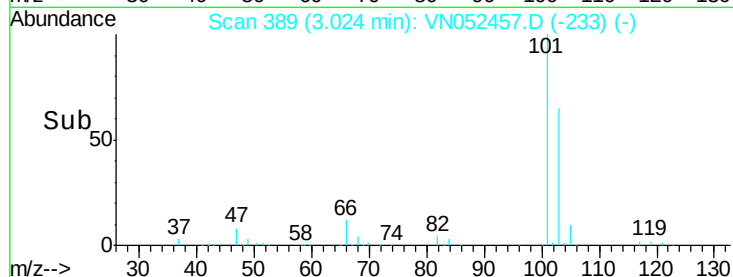
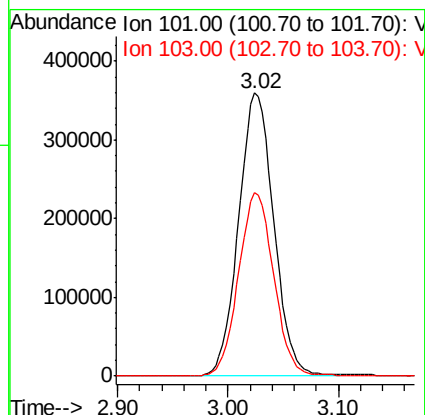
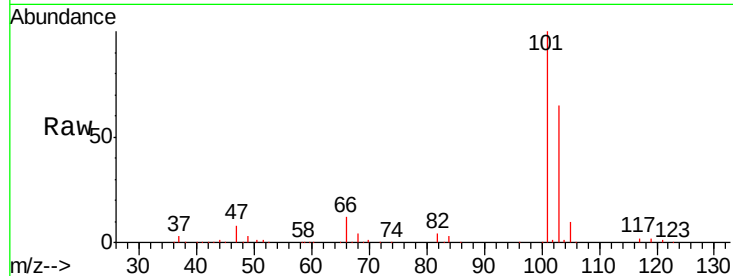
Trichlorofluoromethane
Concen: 49.99 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052457.D
Acq: 26 Nov 2018 13:46

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tgt Ion: 101 Resp: 795926
Ion Ratio Lower Upper
101 100
103 64.7 52.1 78.1

Manual Integrations
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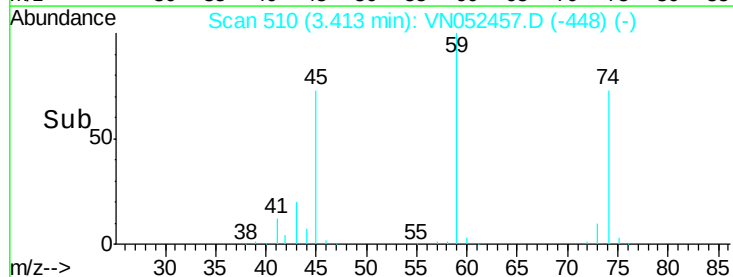
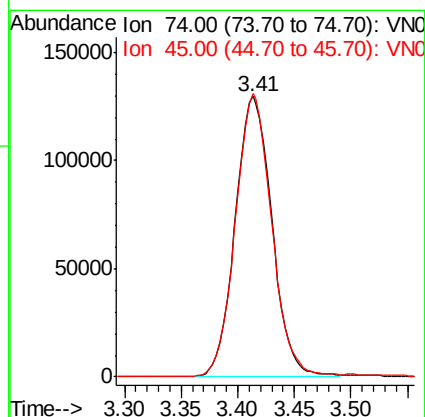
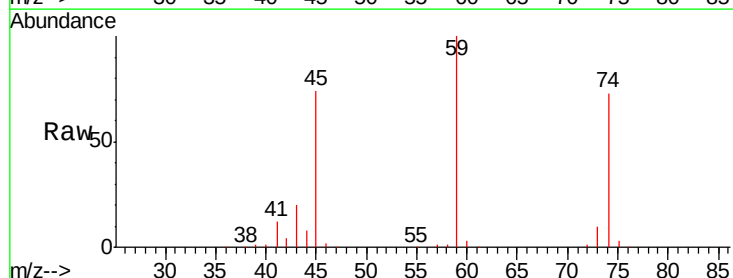
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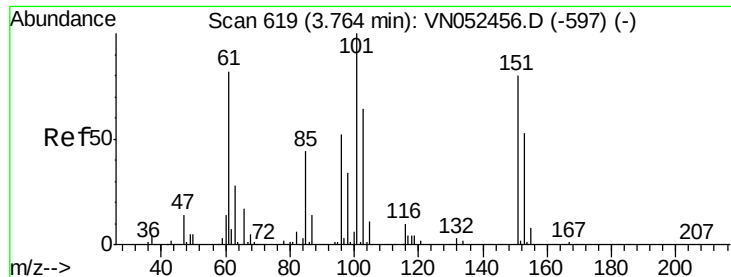


#8

Diethyl Ether
Concen: 49.95 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052457.D
Acq: 26 Nov 2018 13:46

Tgt Ion: 74 Resp: 293664
Ion Ratio Lower Upper
74 100
45 99.1 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.24 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052457.D

Acq: 26 Nov 2018 13:46

Instrument :

MSVOA_N

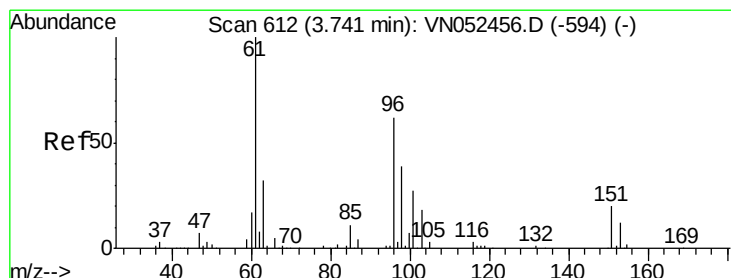
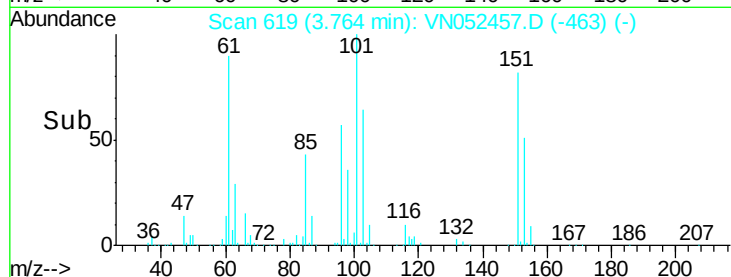
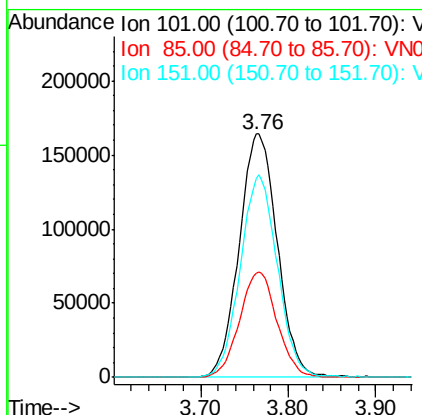
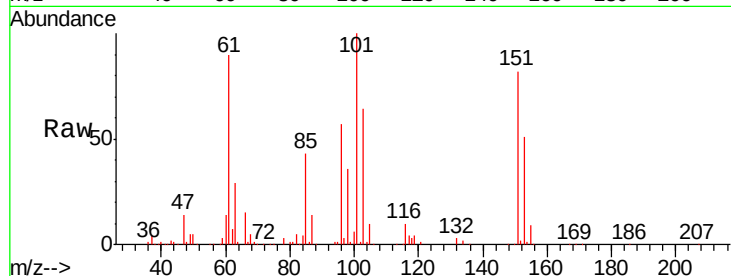
ClientSampleId :

VSTDIC050

Tgt Ion:	101	Resp:	497035
Ion Ratio	Lower	Upper	
101	100		
85	42.5	0.0	82.6
151	80.7	0.0	158.4

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#10

1,1-Dichloroethene

Concen: 50.20 ug/l

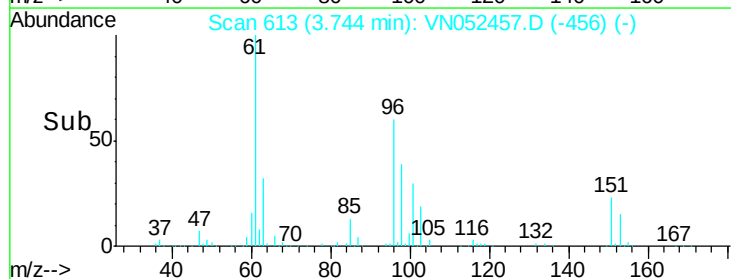
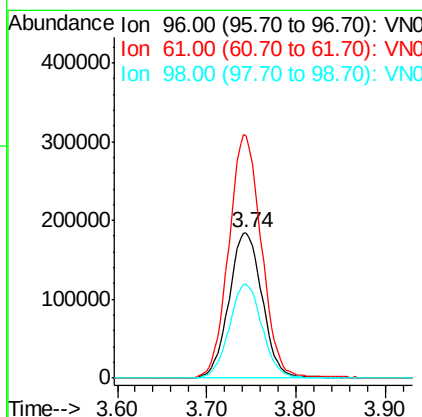
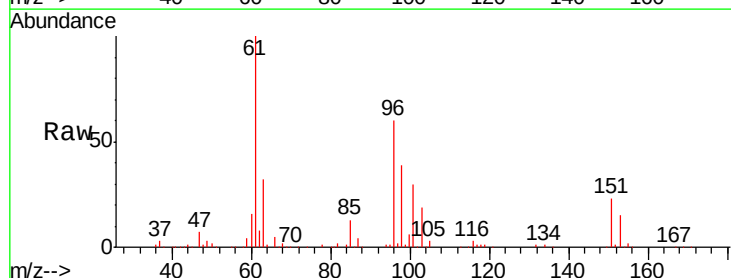
RT: 3.74 min Scan# 613

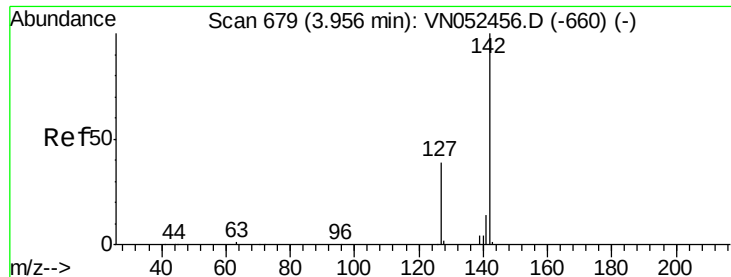
Delta R.T. 0.00 min

Lab File: VN052457.D

Acq: 26 Nov 2018 13:46

Tgt Ion:	96	Resp:	476459
Ion Ratio	Lower	Upper	
96	100		
61	166.4	129.4	194.2
98	64.4	50.4	75.6





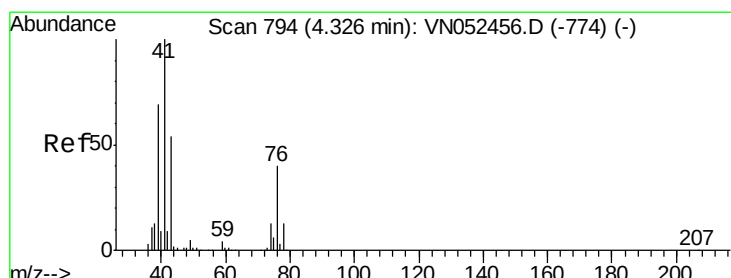
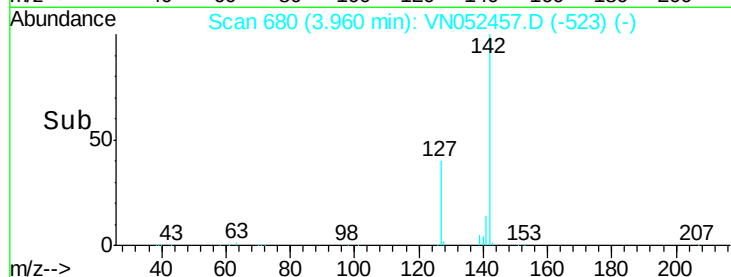
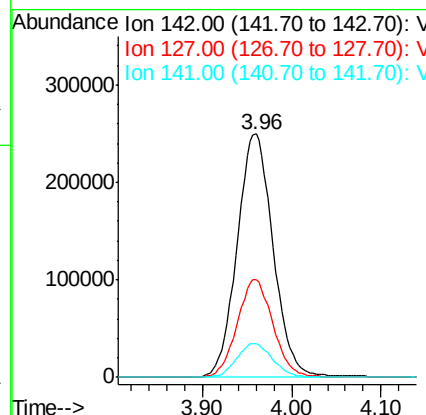
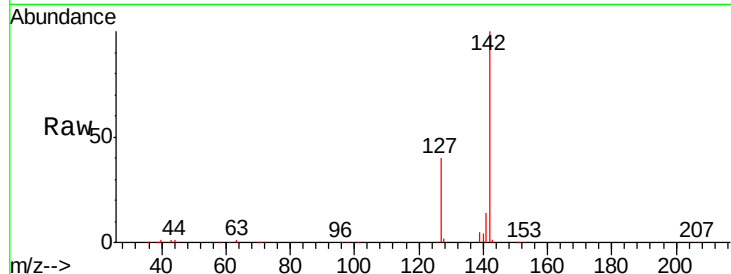
#11
Methyl Iodide
Concen: 53.04 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.00 min
Lab File: VN052457.D
Acq: 26 Nov 2018 13:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion	Ratio	Lower	Upper
142	100		
127	40.2	19.4	58.1
141	13.6	7.2	21.6

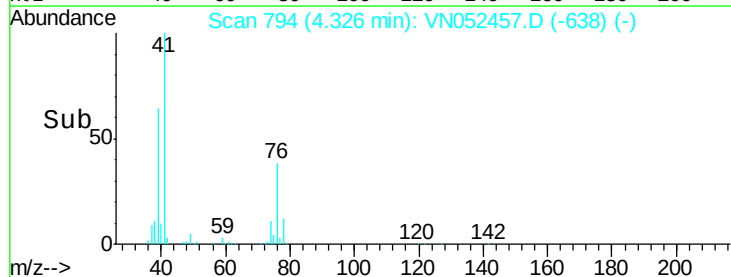
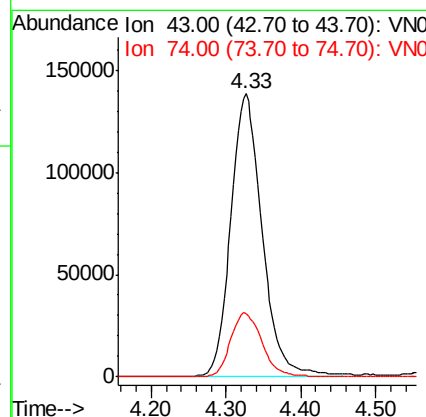
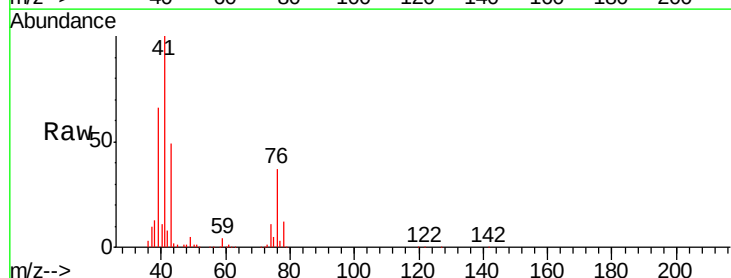
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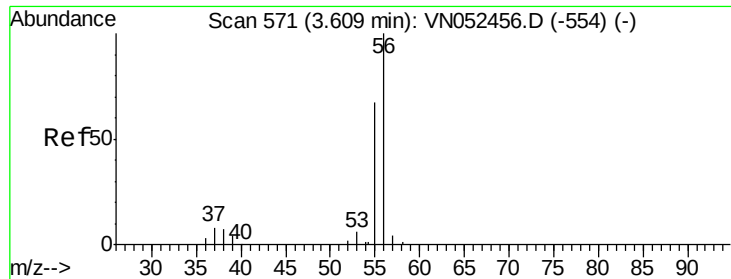
MMDadoda
11/27/2018 3:52:10 PM



#12
Methyl Acetate
Concen: 49.52 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052457.D
Acq: 26 Nov 2018 13:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	18.9	28.3





#13

Acrolein

Concen: 245.87 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052457.D

Acq: 26 Nov 2018 13:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 56 Resp: 232898

Ion Ratio Lower Upper

56 100

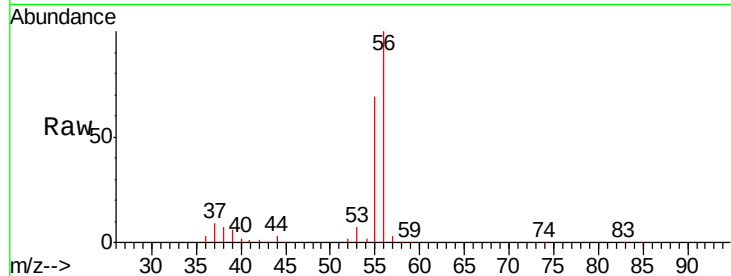
55 70.9 56.7 85.1

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

100000

80000

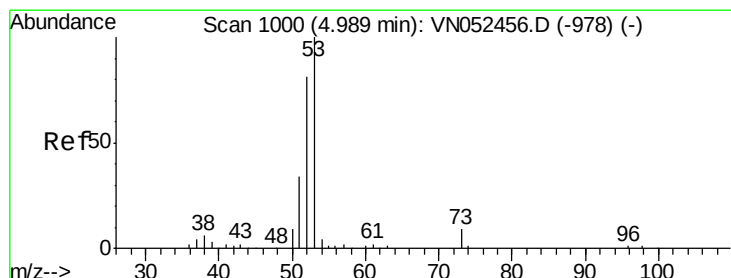
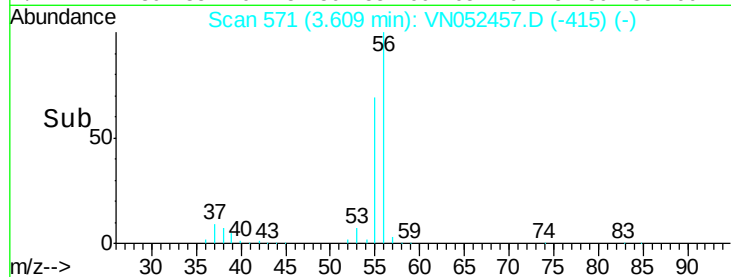
60000

40000

20000

0

Time-->



#14

Acrylonitrile

Concen: 250.37 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052457.D

Acq: 26 Nov 2018 13:46

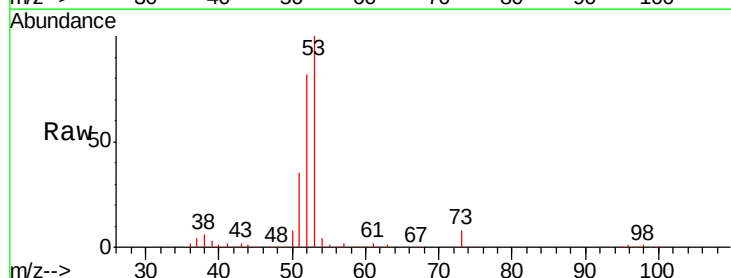
Tgt Ion: 53 Resp: 860241

Ion Ratio Lower Upper

53 100

52 82.9 39.9 119.7

51 36.2 17.6 52.9



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

4.99

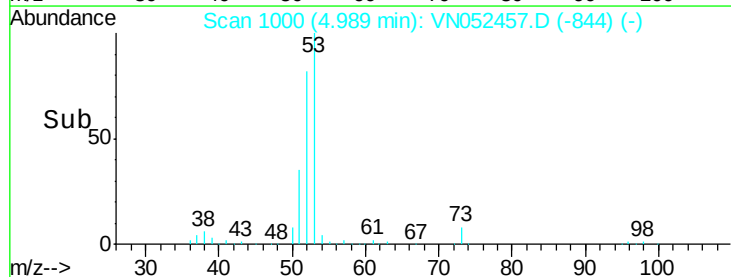
300000

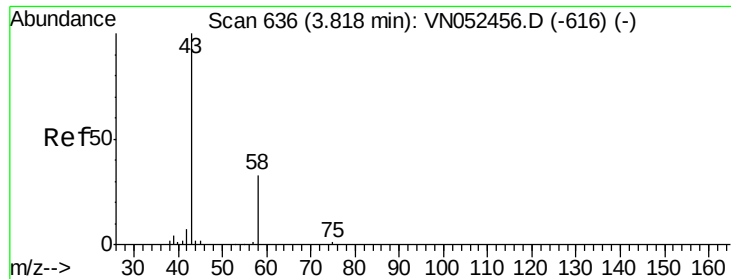
200000

100000

0

Time-->





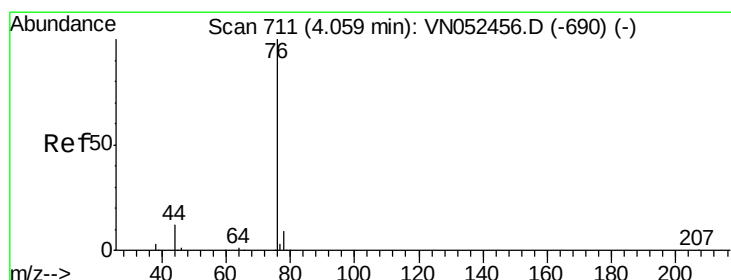
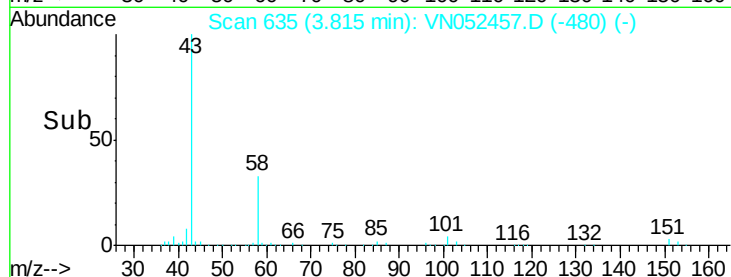
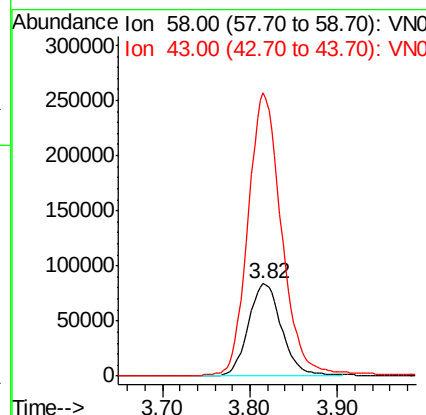
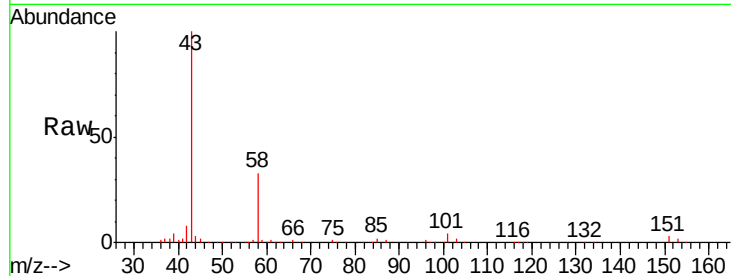
#15
Acetone
Concen: 248.83 ug/l
RT: 3.82 min Scan# 635
Delta R.T. -0.00 min
Lab File: VN052457.D
Acq: 26 Nov 2018 13:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 58 Resp: 221410
Ion Ratio Lower Upper
58 100
43 307.1 243.6 365.4

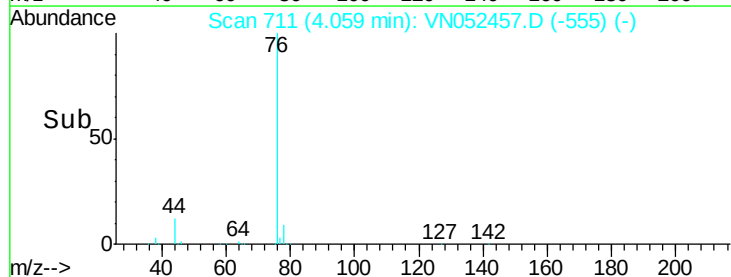
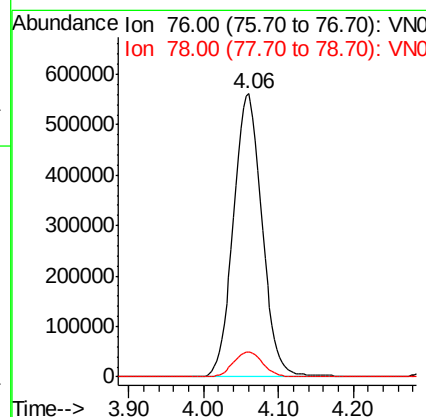
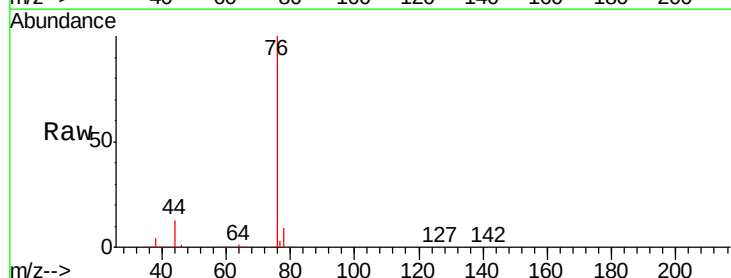
Manual Integrations
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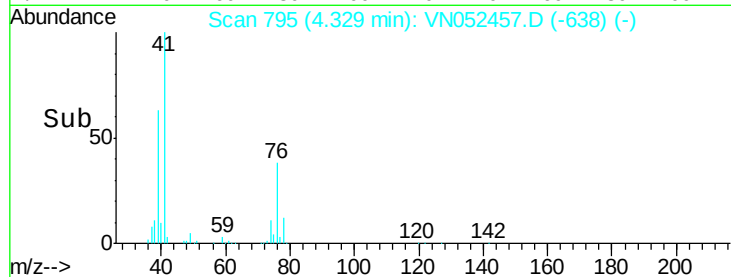
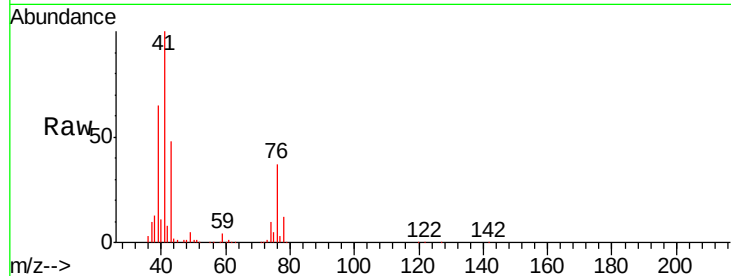
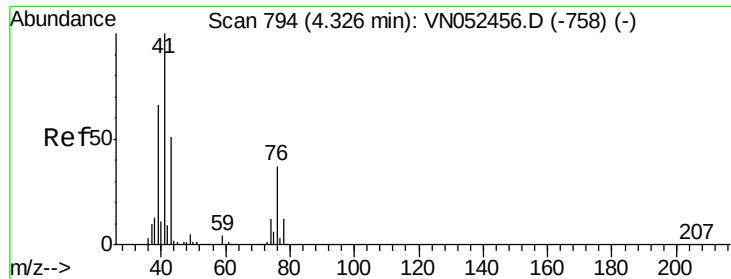
MMDadoda
11/27/2018 3:52:10 PM



#16
Carbon Disulfide
Concen: 49.81 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052457.D
Acq: 26 Nov 2018 13:46

Tgt Ion: 76 Resp: 1496707
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9





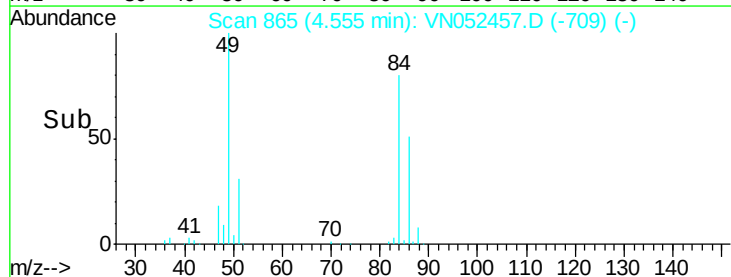
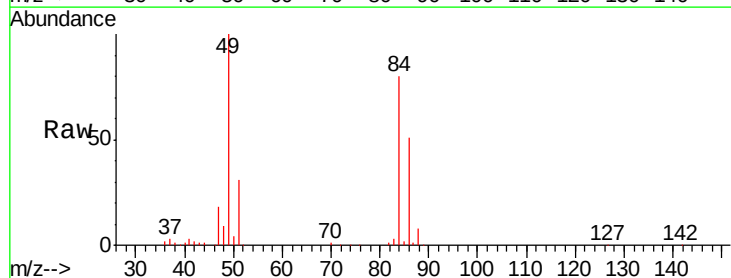
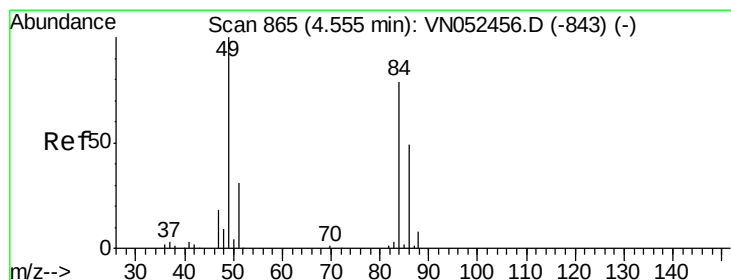
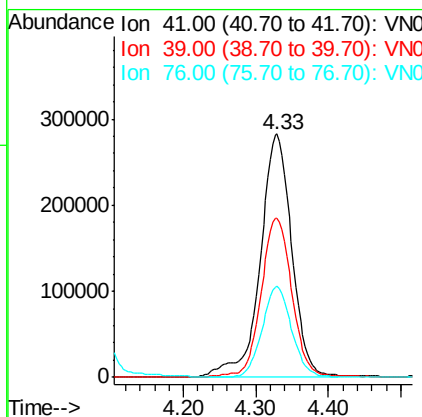
#17
 Allyl chloride
 Concen: 51.69 ug/l
 RT: 4.33 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: VN052457.D
 Acq: 26 Nov 2018 13:46

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.2	32.8	98.3
76	36.9	18.6	55.8

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

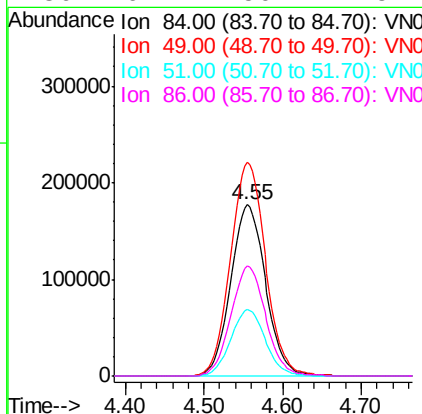
Manual Integrations
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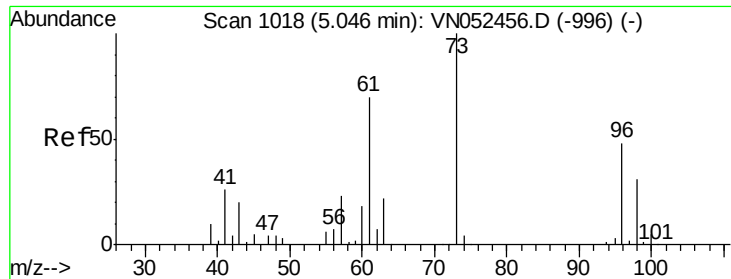
MMDadoda
 11/27/2018 3:52:10 PM



#18
 Methylene Chloride
 Concen: 49.98 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN052457.D
 Acq: 26 Nov 2018 13:46

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.6	101.4	152.0
51	38.6	31.7	47.5
86	64.1	50.1	75.1





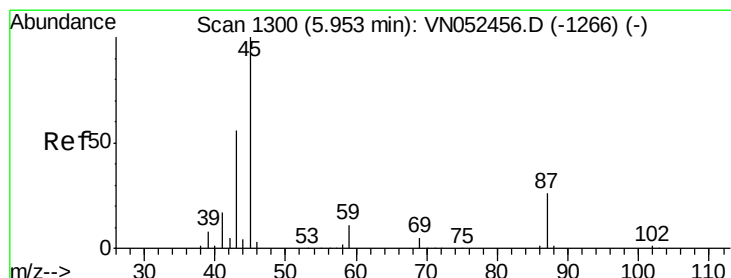
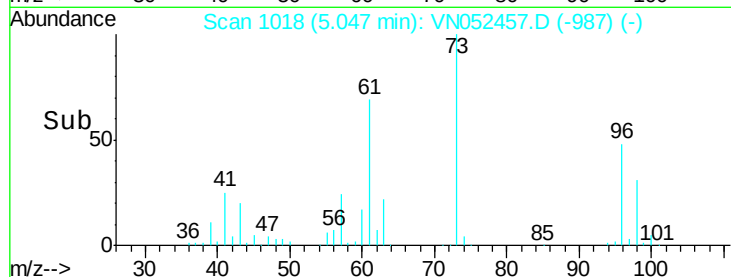
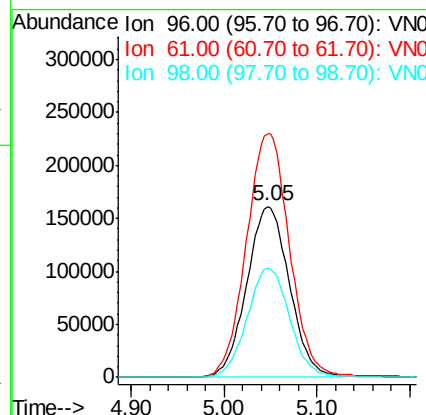
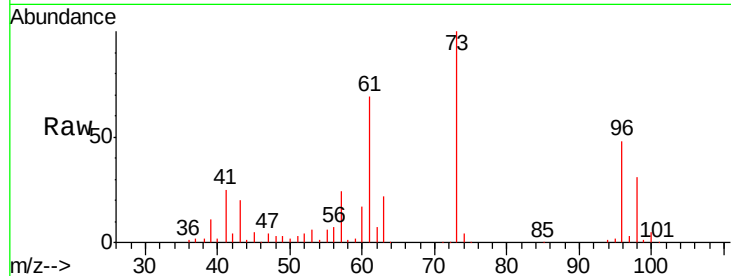
#19
trans-1,2-Dichloroethene
Concen: 50.50 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052457.D
Acq: 26 Nov 2018 13:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.4	118.2	177.4
98	63.6	51.4	77.2

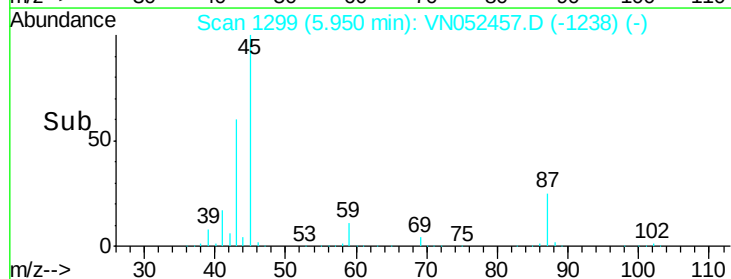
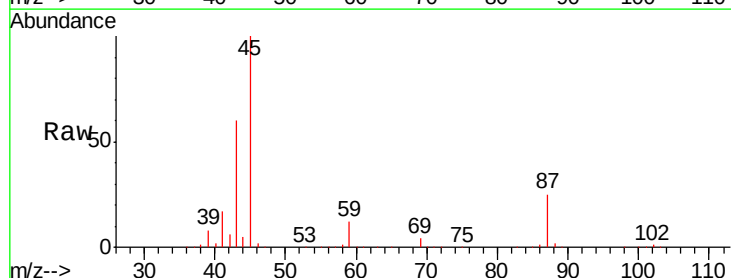
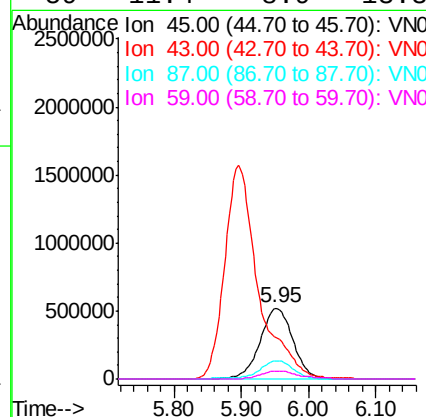
Manual Integrations
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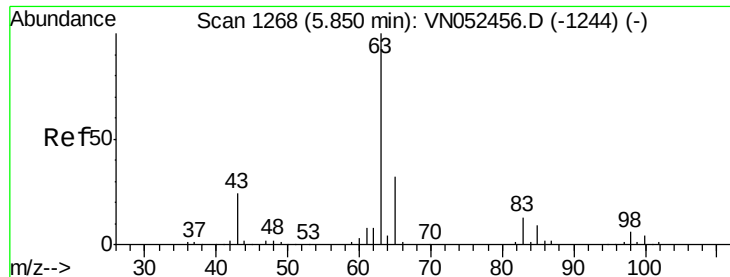
MMDadoda
11/27/2018 3:52:10 PM



#20
Diisopropyl ether
Concen: 50.60 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN052457.D
Acq: 26 Nov 2018 13:46

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.9	47.8	71.8
87	25.3	21.3	31.9
59	11.4	8.9	13.3





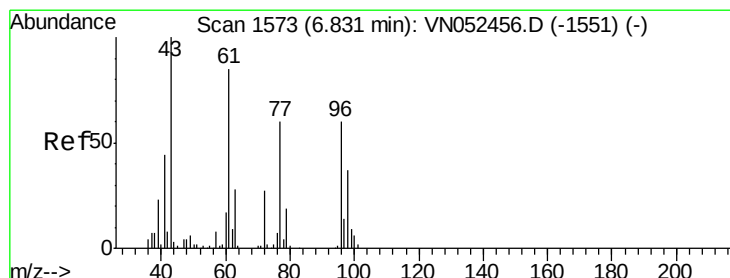
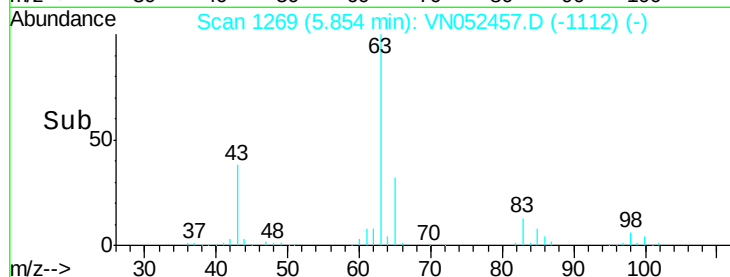
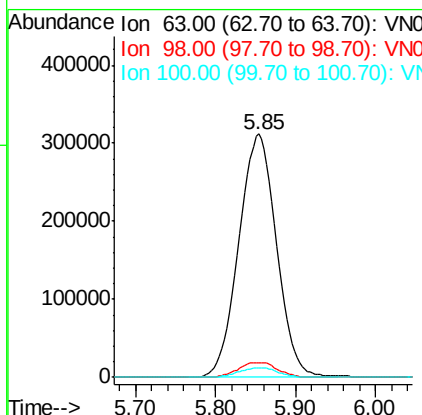
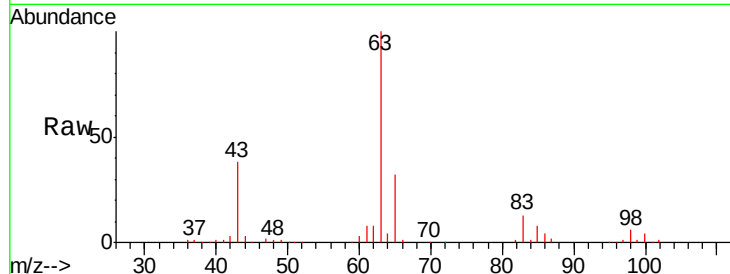
#21
 1,1-Dichloroethane
 Concen: 50.39 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052457.D
 Acq: 26 Nov 2018 13:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	998982		
98	6.1	3.0	9.2	
100	3.9	1.8	5.5	

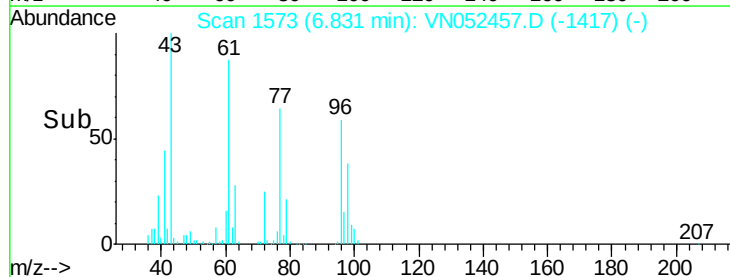
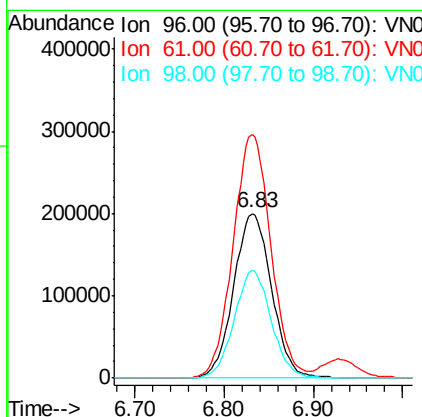
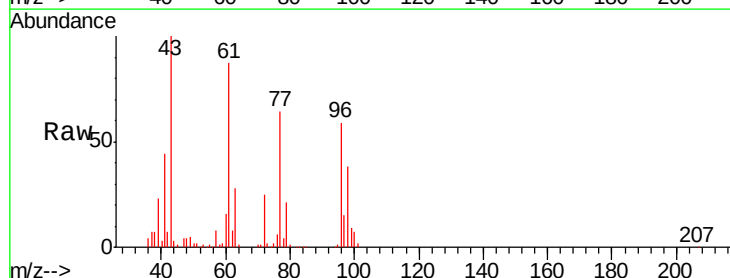
Manual Integrations
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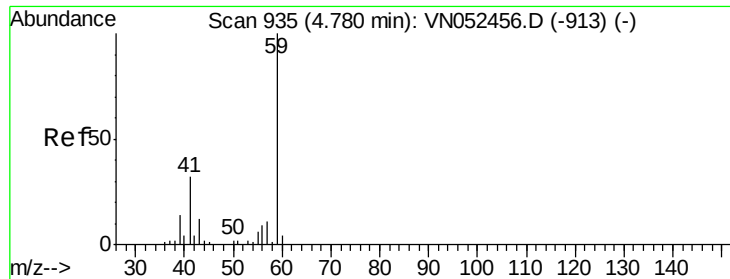
MMDadoda
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#22
 cis-1,2-Dichloroethene
 Concen: 50.51 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052457.D
 Acq: 26 Nov 2018 13:46

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	591189		
61	147.5	116.7	175.1	
98	63.8	50.8	76.2	





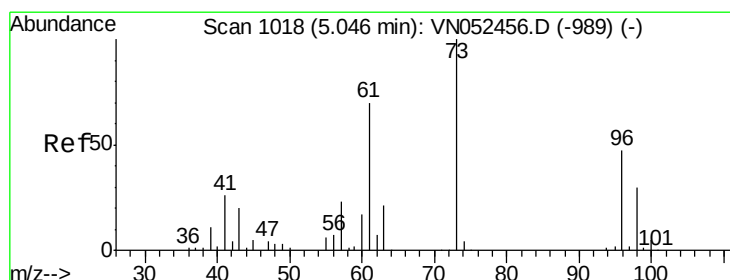
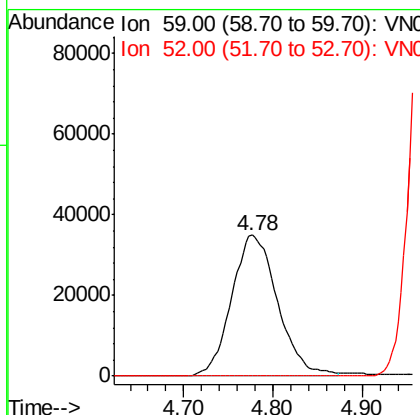
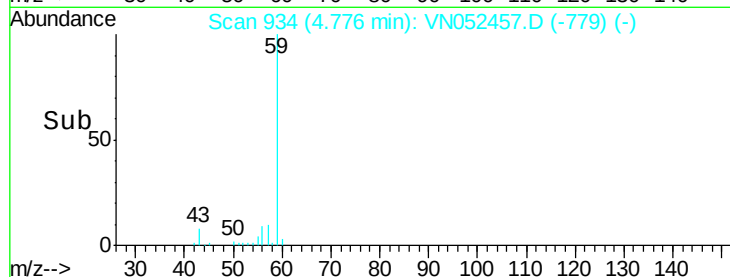
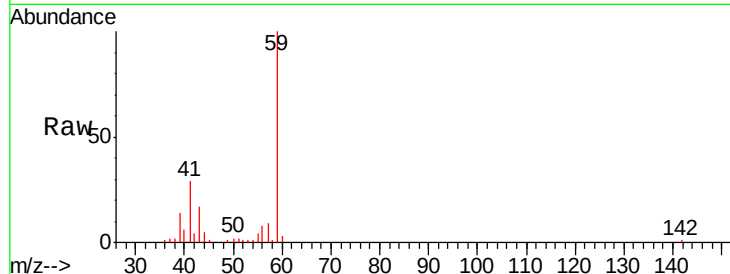
#23
 tert-Butyl Alcohol
 Concen: 245.65 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VN052457.D
 Acq: 26 Nov 2018 13:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion: 59 Resp: 125555
 Ion Ratio Lower Upper
 59 100
 52 0.2 0.0 0.0#

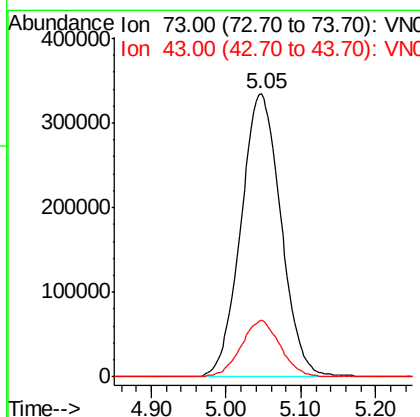
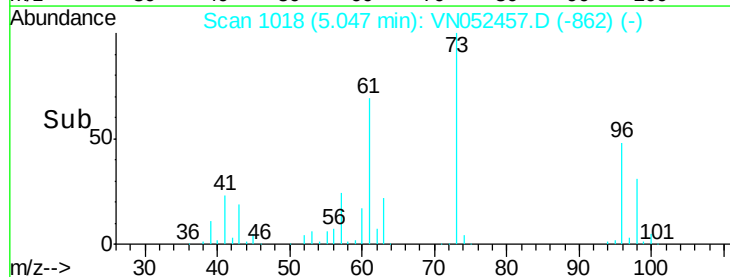
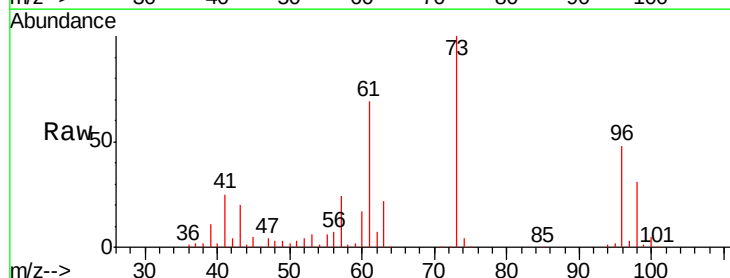
Manual Integrations
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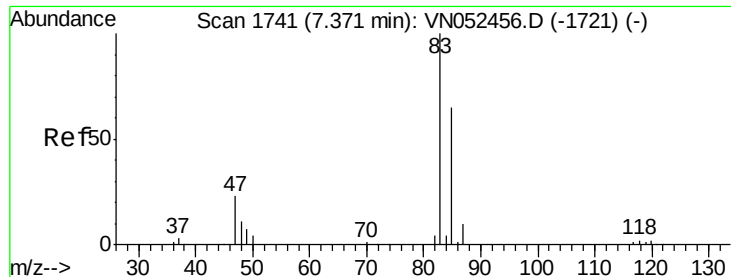
MMDadoda
 11/27/2018 3:52:10 PM



#24
 Methyl tert-Butyl Ether
 Concen: 49.93 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN052457.D
 Acq: 26 Nov 2018 13:46

Tgt Ion: 73 Resp: 1243129
 Ion Ratio Lower Upper
 73 100
 43 19.5 15.8 23.8





#25

Chloroform

Concen: 50.15 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN052457.D

Acq: 26 Nov 2018 13:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 83 Resp: 959112

Ion Ratio Lower Upper

83 100

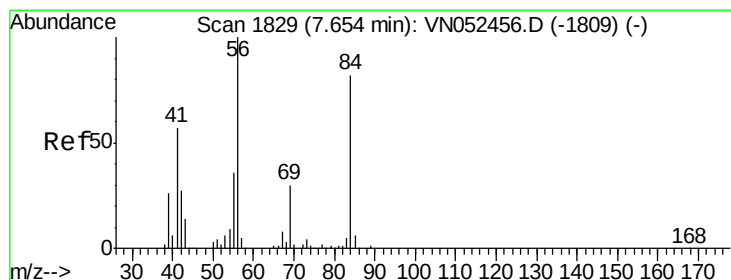
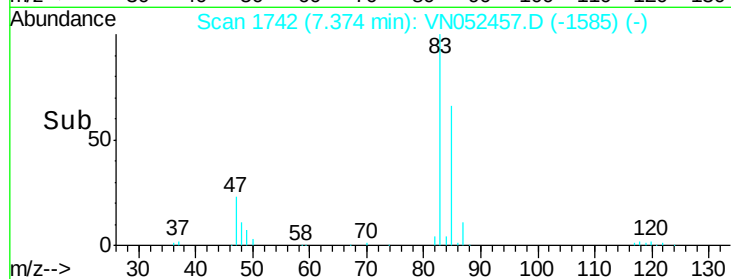
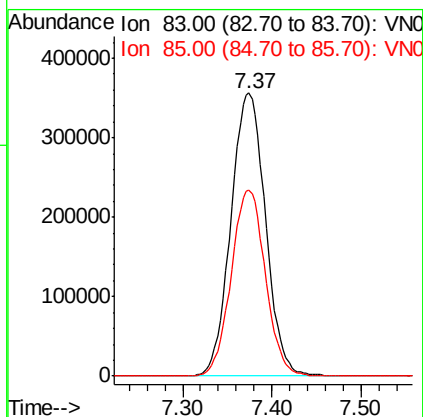
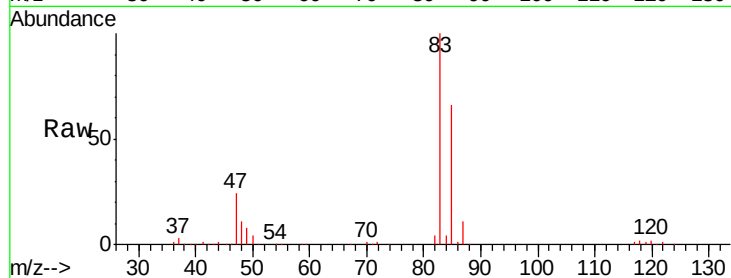
85 65.7 51.7 77.5

Manual Integrations

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11/27/2018 3:52:10 PM



#26

Cyclohexane

Concen: 50.91 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN052457.D

Acq: 26 Nov 2018 13:46

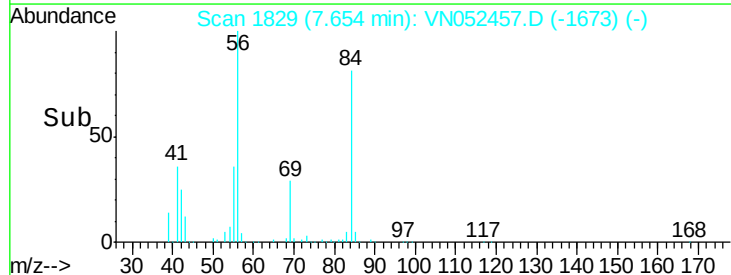
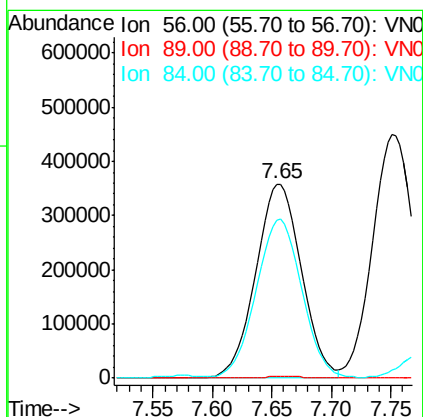
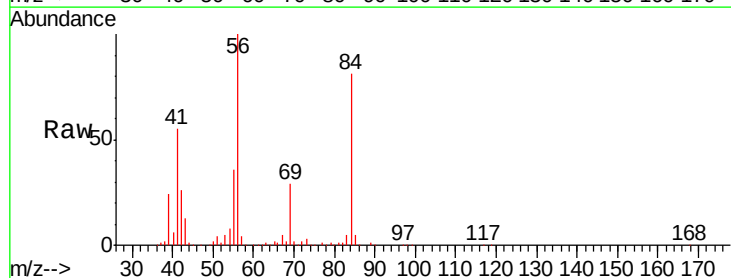
Tgt Ion: 56 Resp: 951839

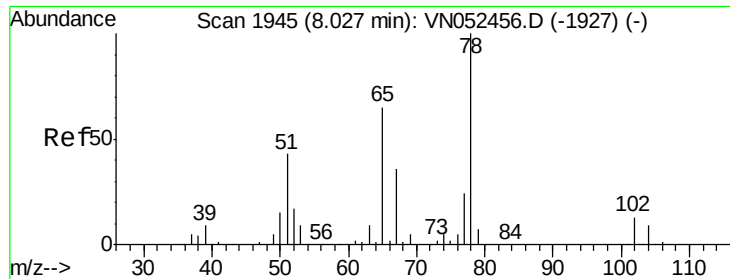
Ion Ratio Lower Upper

56 100

89 0.8 0.5 0.7#

84 82.1 66.2 99.2





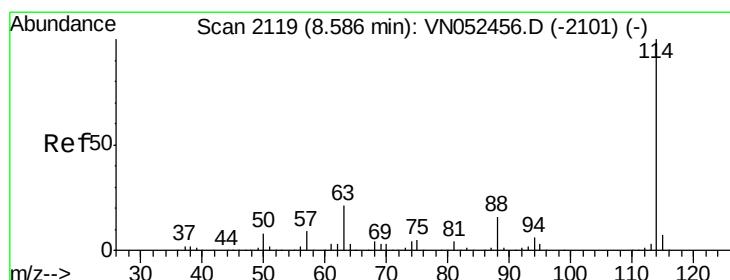
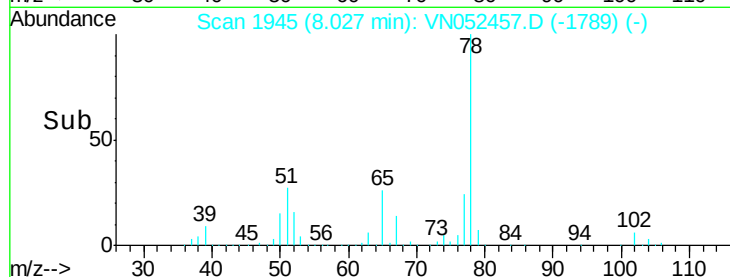
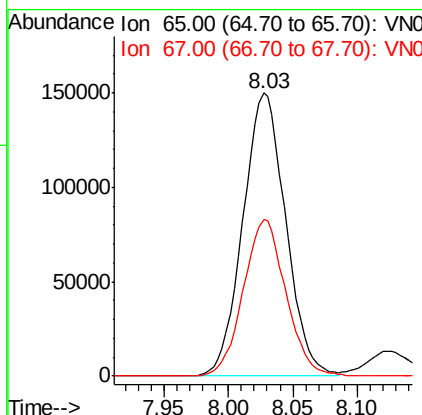
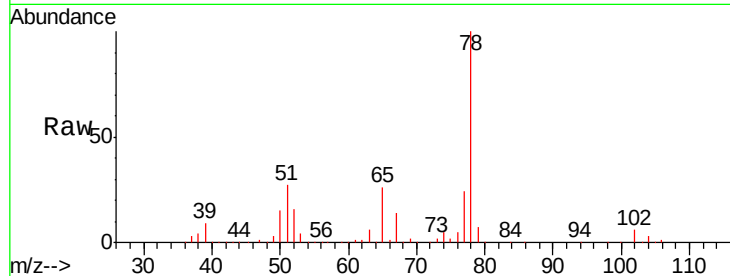
#27
 1,2-Dichloroethane-d4
 Concen: 50.91 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052457.D
 Acq: 26 Nov 2018 13:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion: 65 Resp: 347391
 Ion Ratio Lower Upper
 65 100
 67 55.0 44.6 66.8

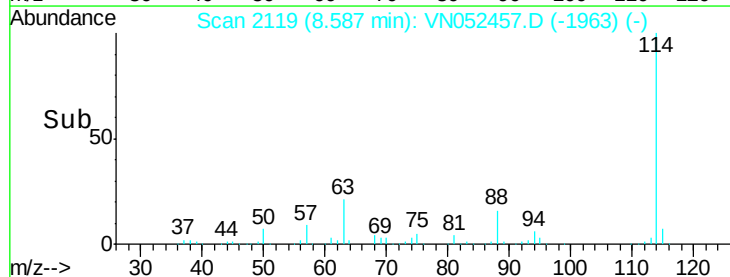
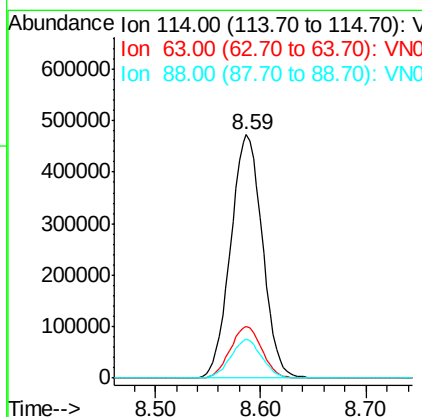
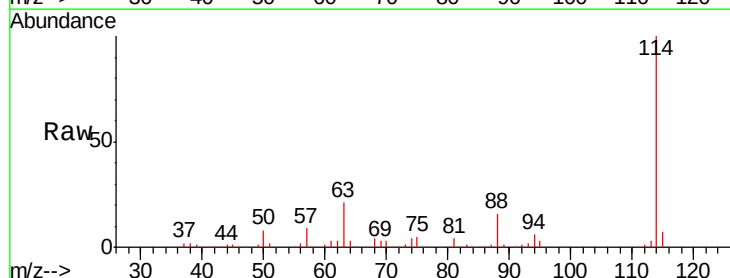
Manual Integrations
 APPROVED

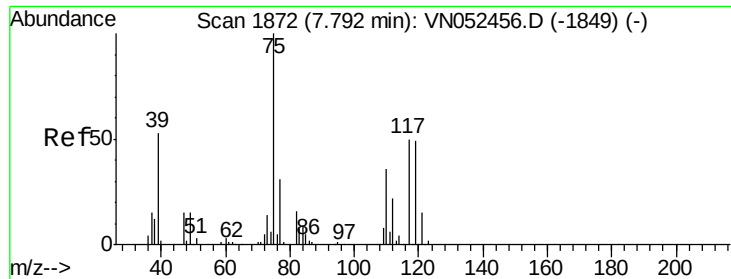
MMDadoda
 11/27/2018 3:52:10 PM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052457.D
 Acq: 26 Nov 2018 13:46

Tgt Ion: 114 Resp: 985544
 Ion Ratio Lower Upper
 114 100
 63 21.2 16.9 25.3
 88 15.4 12.8 19.2





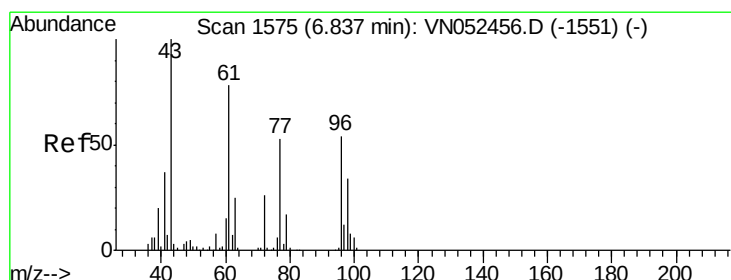
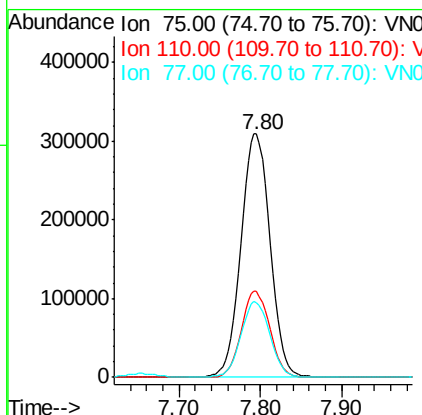
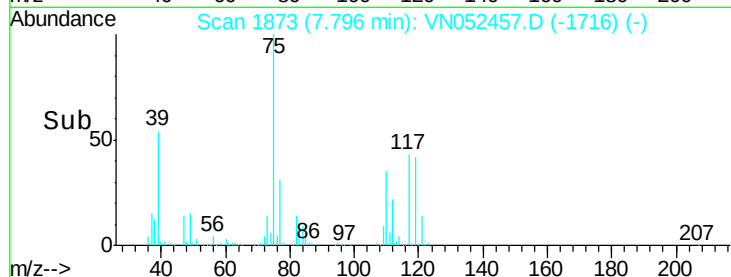
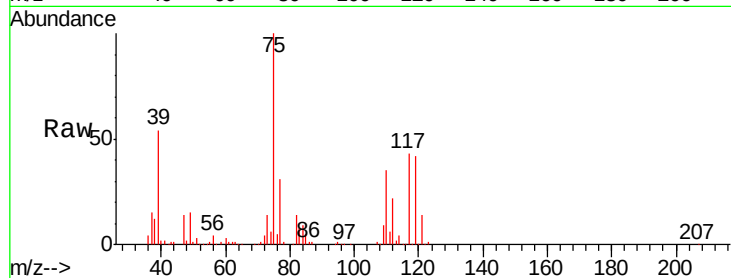
#29
 1,1-Dichloropropene
 Concen: 50.58 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052457.D
 Acq: 26 Nov 2018 13:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.6	0.0	70.2
77	31.2	0.0	62.6

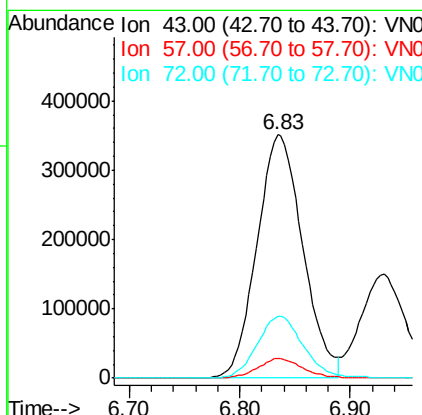
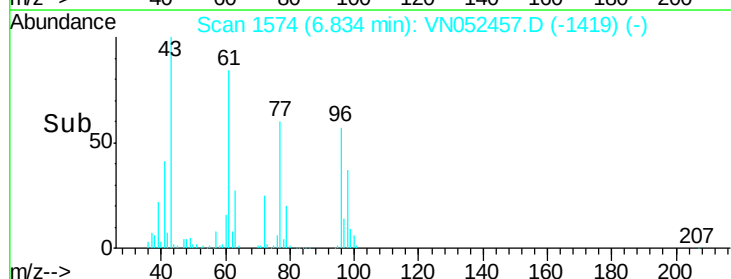
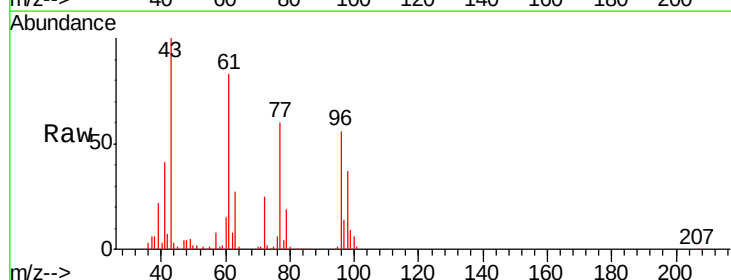
Manual Integrations
 APPROVED

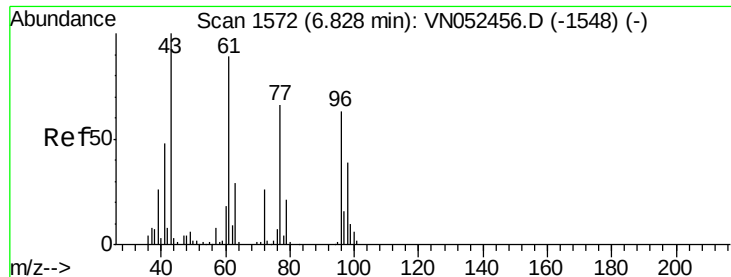
MMDadoda
 11/27/2018 3:52:10 PM



#30
 2-Butanone
 Concen: 250.38 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN052457.D
 Acq: 26 Nov 2018 13:46

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.0	6.2	9.4
72	25.8	21.0	31.6





#31

2,2-Dichloropropane

Concen: 50.24 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052457.D

Acq: 26 Nov 2018 13:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 77 Resp: 696038

Ion Ratio Lower Upper

77 100

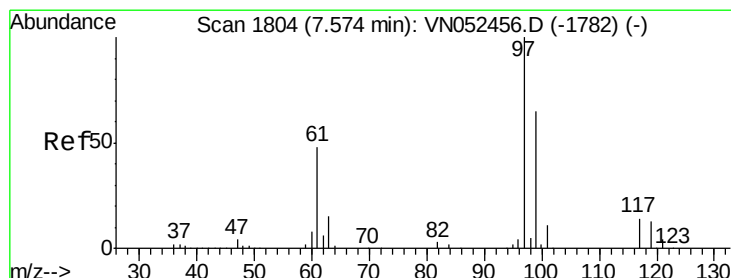
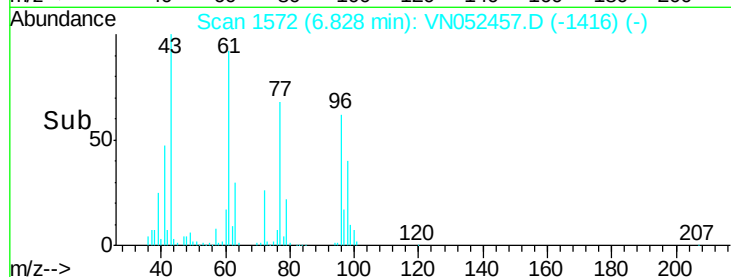
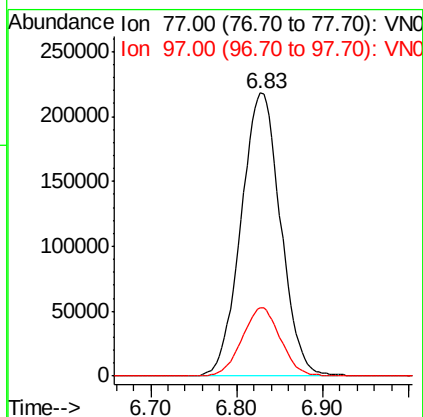
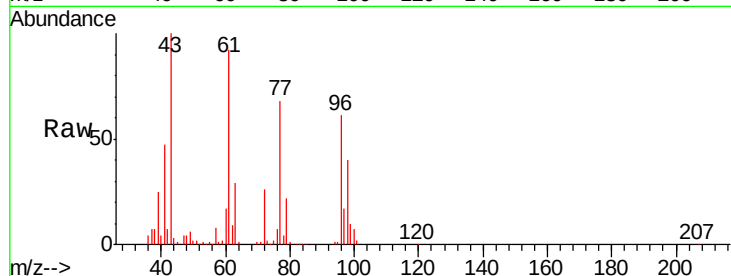
97 23.6 18.7 28.1

Manual Integrations

APPROVED

MMDadoda

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#32

1,1,1-Trichloroethane

Concen: 50.12 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052457.D

Acq: 26 Nov 2018 13:46

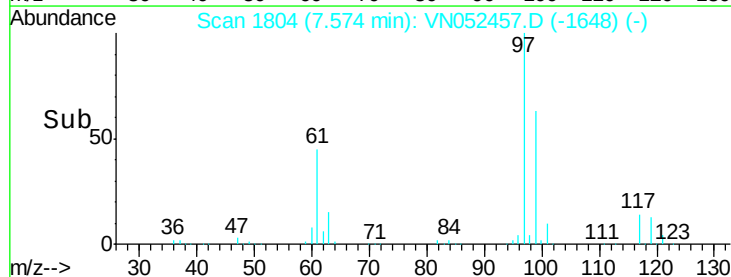
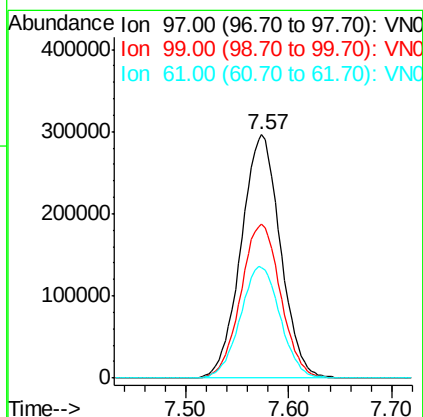
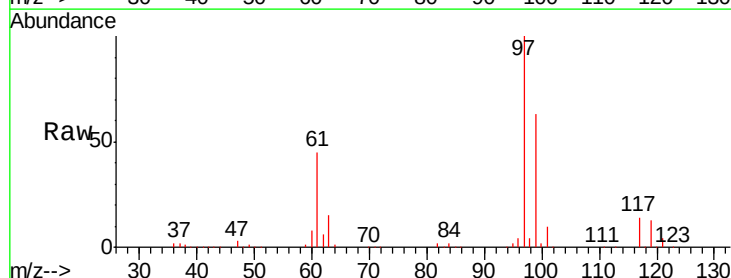
Tgt Ion: 97 Resp: 784832

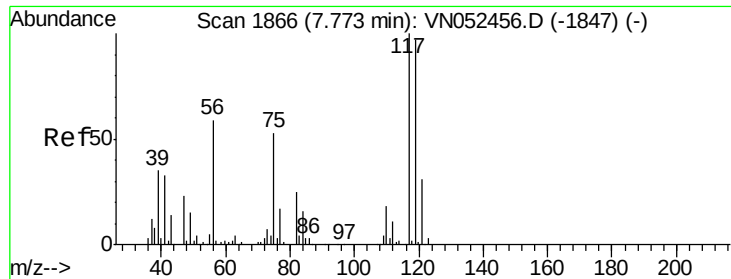
Ion Ratio Lower Upper

97 100

99 64.0 50.9 76.3

61 46.6 38.1 57.1





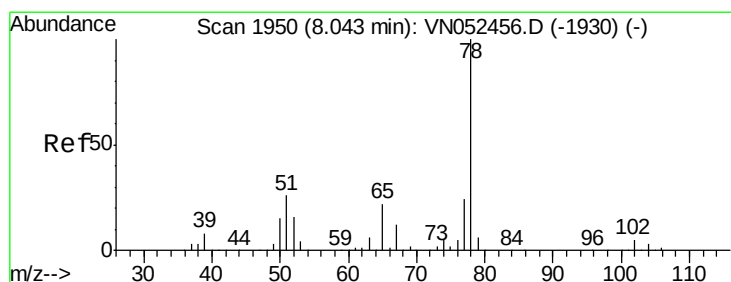
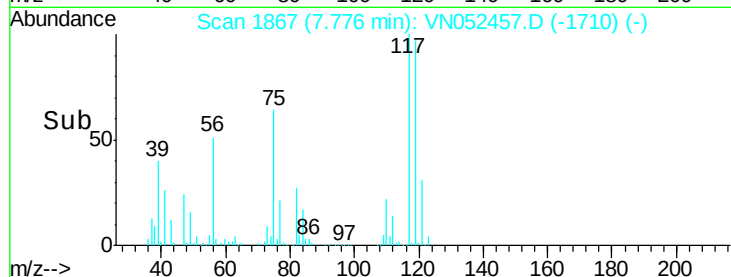
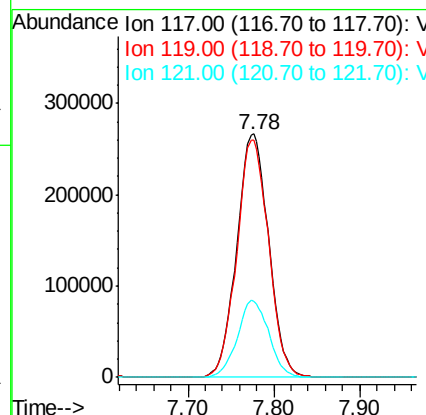
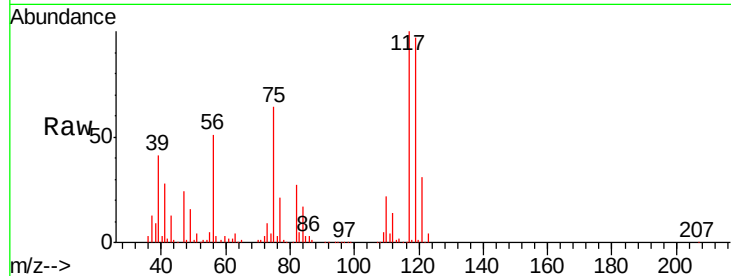
#33
Carbon Tetrachloride
Concen: 50.04 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052457.D
Acq: 26 Nov 2018 13:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	77.3	115.9
121	31.4	24.9	37.3

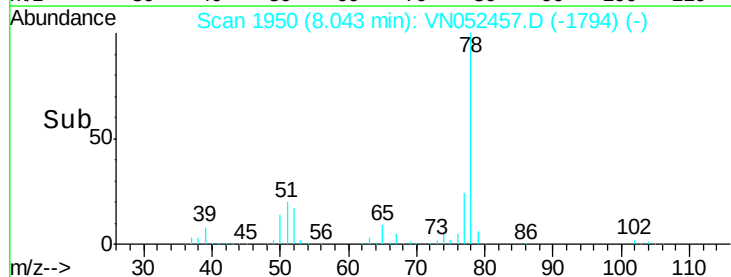
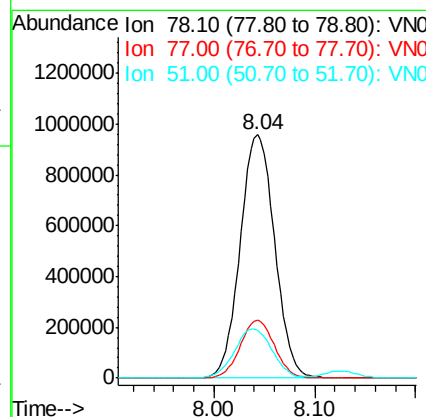
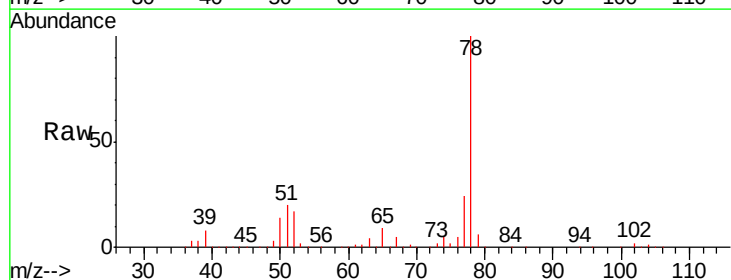
Manual Integrations
APPROVED

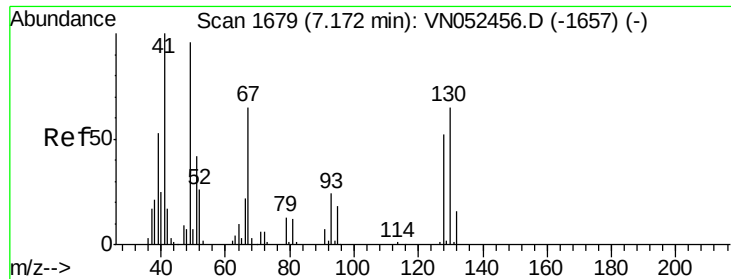
MMDadoda
11/27/2018 3:52:10 PM



#34
Benzene
Concen: 50.27 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052457.D
Acq: 26 Nov 2018 13:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6
51	19.6	20.5	30.7#





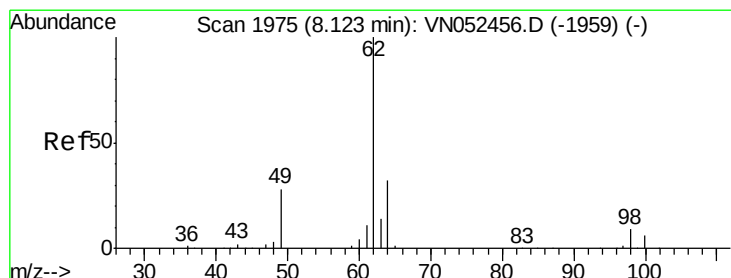
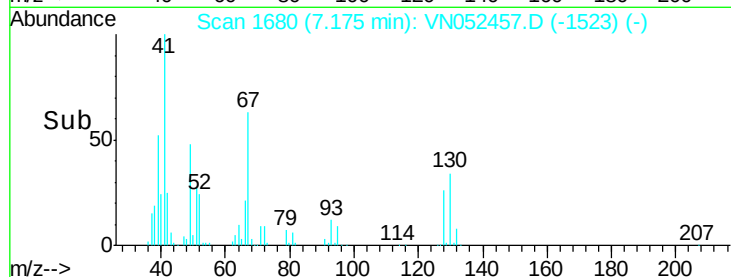
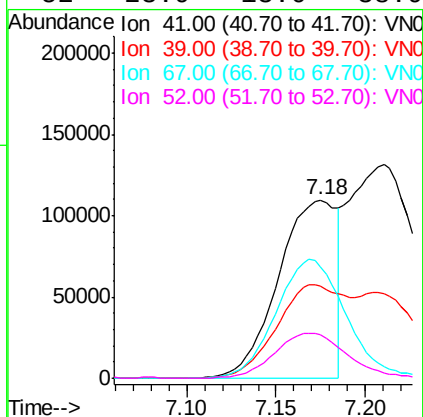
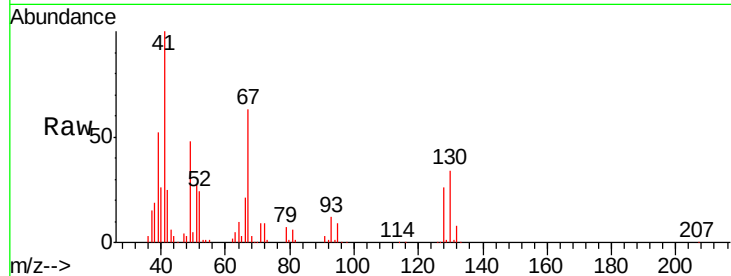
#35
Methacrylonitrile
Concen: 35.92 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN052457.D
Acq: 26 Nov 2018 13:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	51.3	26.6	79.7
67	62.7	32.3	96.9
52	23.9	13.0	38.9

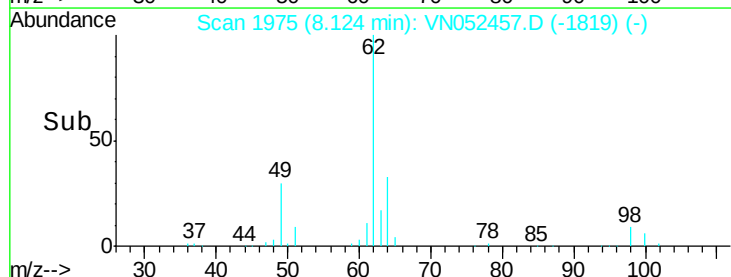
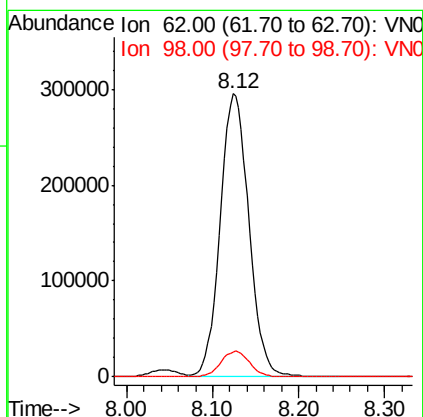
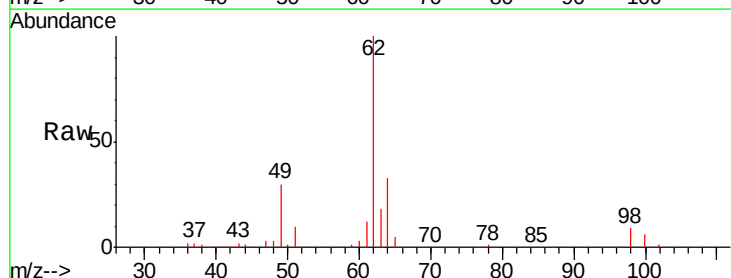
Manual Integrations
APPROVED

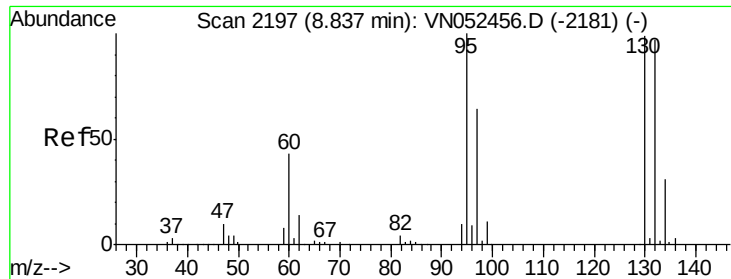
MMDadoda
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#36
1,2-Dichloroethane
Concen: 49.88 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052457.D
Acq: 26 Nov 2018 13:46

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	7.4	11.2





#37

Trichloroethene

Concen: 49.77 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052457.D

Acq: 26 Nov 2018 13:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 130 Resp: 571116

Ion Ratio Lower Upper

130 100

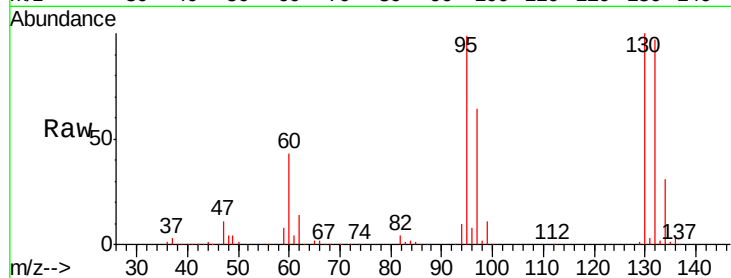
95 99.3 81.0 121.4

Manual Integrations

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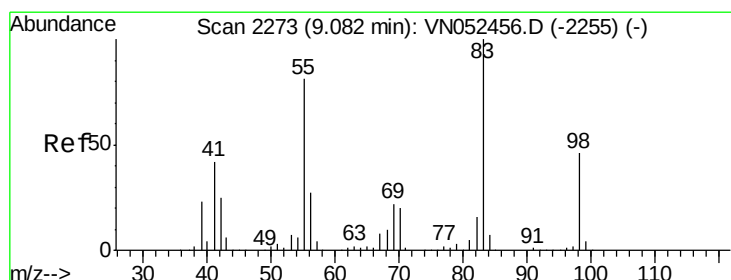
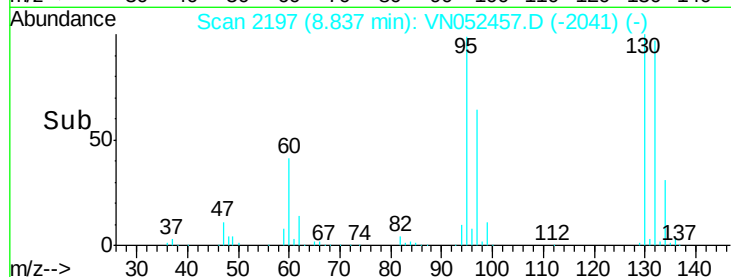
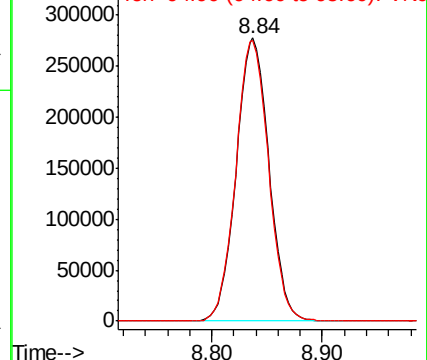
MMDadoda

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 49.75 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN052457.D

Acq: 26 Nov 2018 13:46

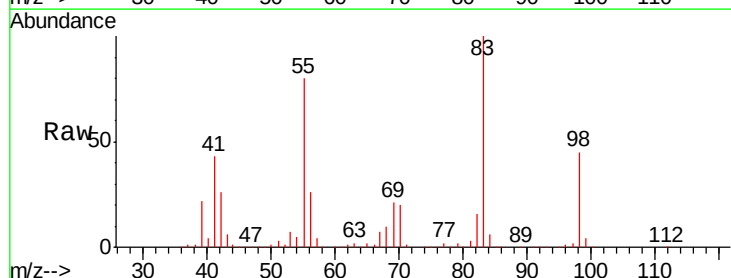
Tgt Ion: 83 Resp: 926837

Ion Ratio Lower Upper

83 100

55 78.8 39.8 119.4

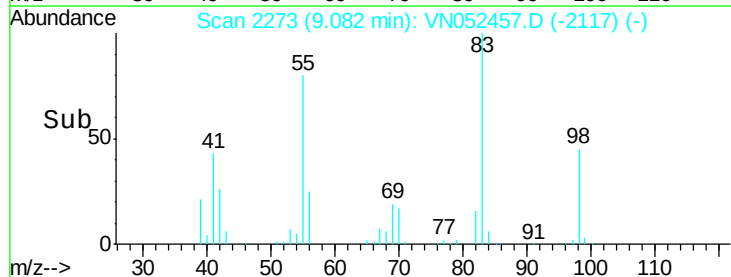
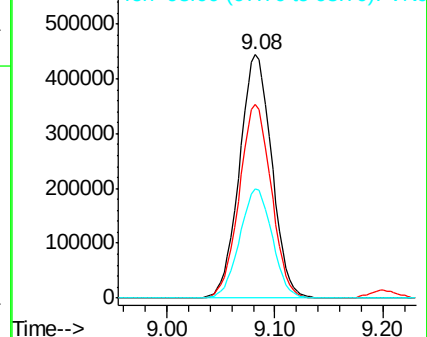
98 45.3 22.9 68.5

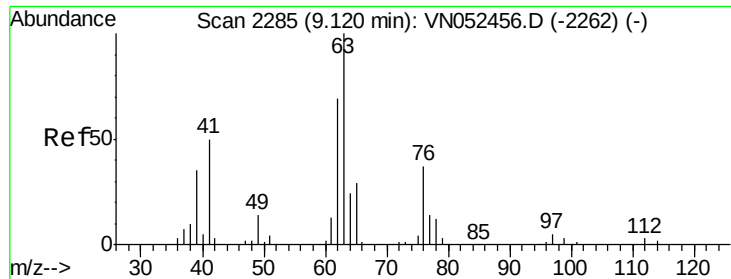


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN





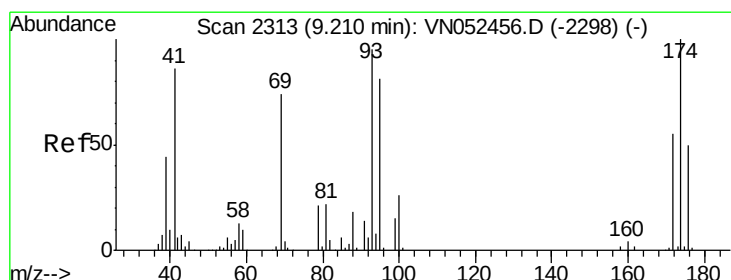
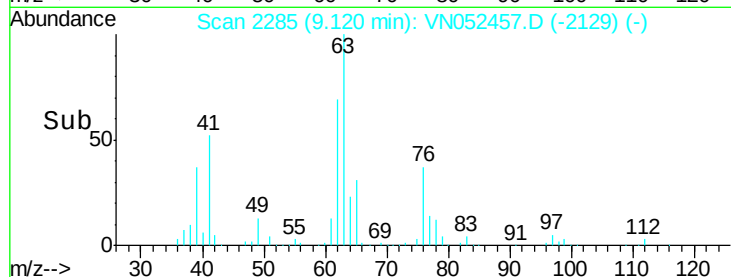
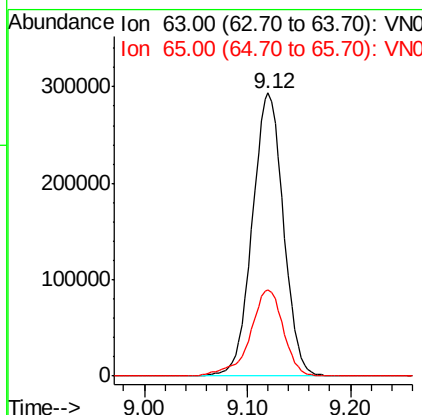
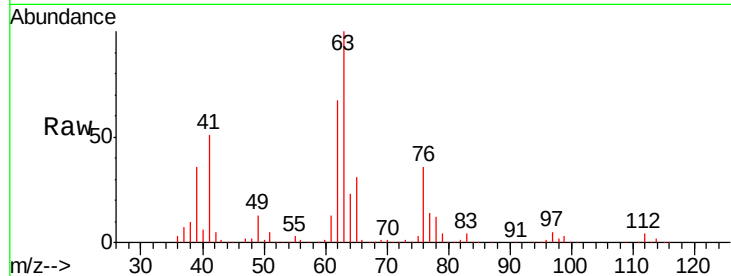
#39
 1,2-Dichloropropane
 Concen: 50.60 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052457.D
 Acq: 26 Nov 2018 13:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion: 63 Resp: 613698
 Ion Ratio Lower Upper
 63 100
 65 30.5 23.6 35.4

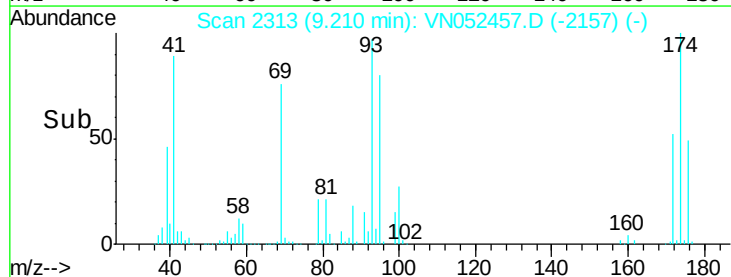
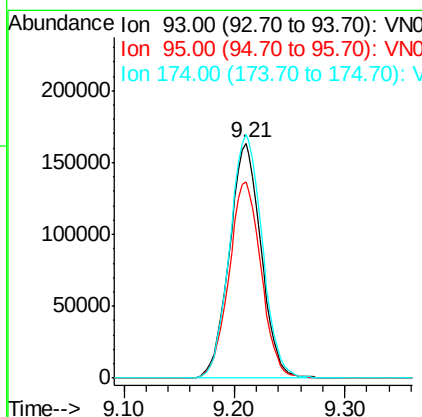
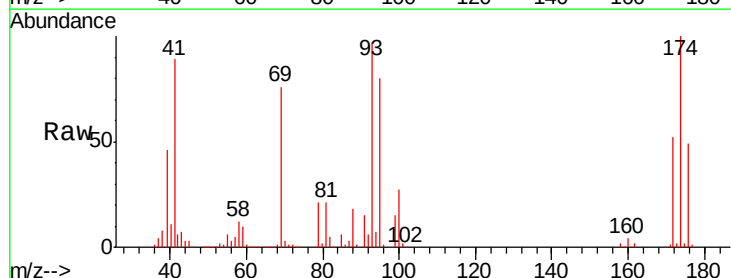
Manual Integrations
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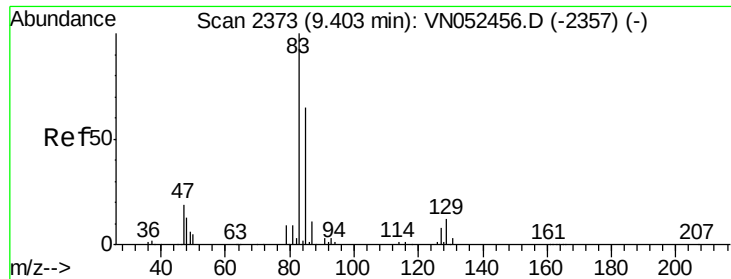
MMDadoda
 11/27/2018 3:52:10 PM



#40
 Dibromomethane
 Concen: 49.77 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052457.D
 Acq: 26 Nov 2018 13:46

Tgt Ion: 93 Resp: 326235
 Ion Ratio Lower Upper
 93 100
 95 84.4 0.0 168.4
 174 106.1 0.0 210.0





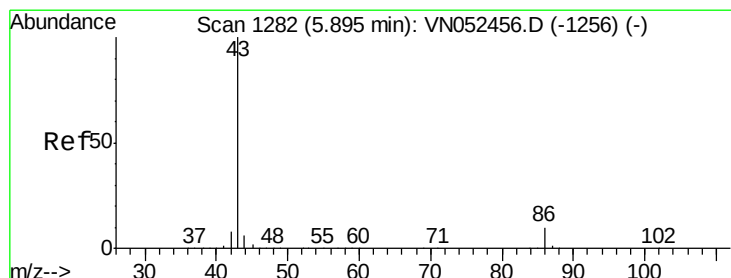
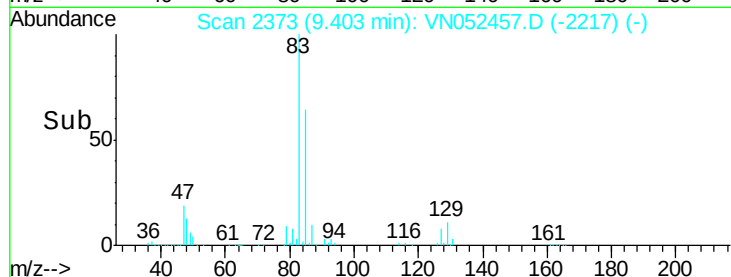
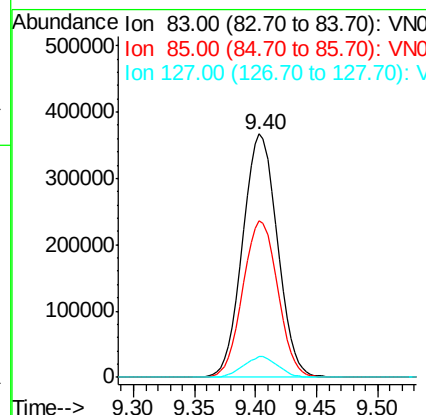
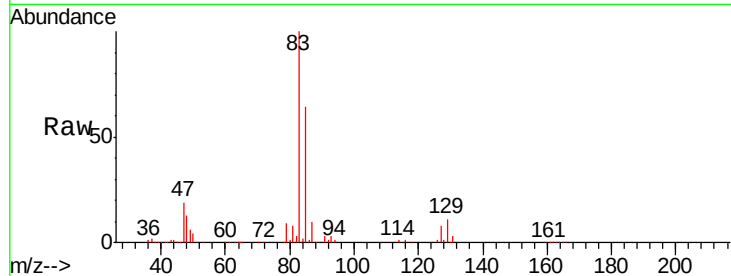
#41
 Bromodichloromethane
 Concen: 49.99 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN052457.D
 Acq: 26 Nov 2018 13:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.4	78.6
127	8.4	6.6	9.8

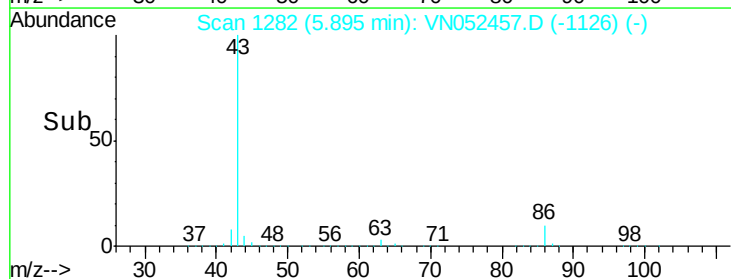
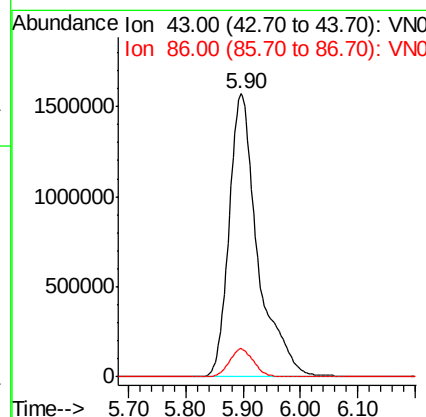
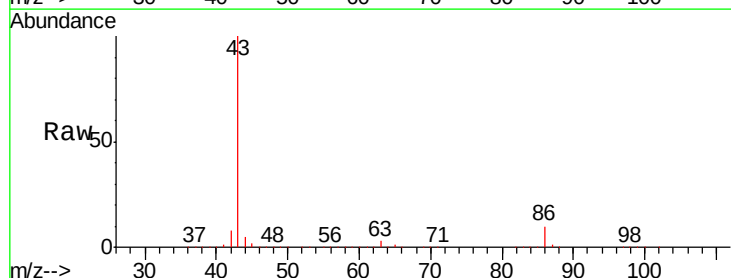
Manual Integrations
 APPROVED

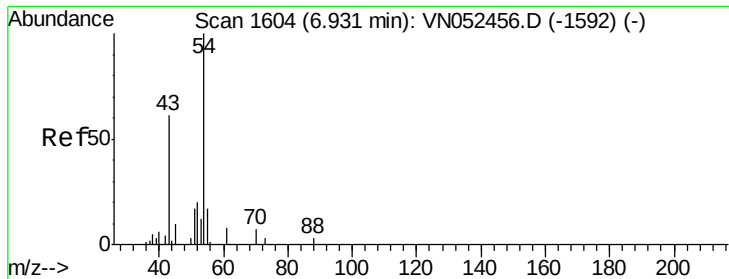
MMDadoda
 11/27/2018 3:52:10 PM



#42
 Vinyl Acetate
 Concen: 251.11 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN052457.D
 Acq: 26 Nov 2018 13:46

Tgt Ion	Ratio	Lower	Upper
43	100		
86	8.4	6.5	9.7





#43

Ethyl Acetate

Concen: 23.56 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN052457.D

Acq: 26 Nov 2018 13:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 43 Resp: 422063

Ion Ratio Lower Upper

43 100

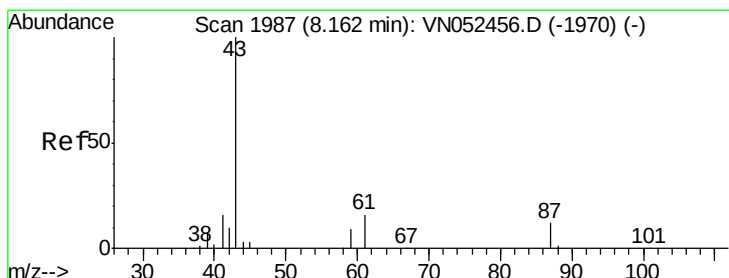
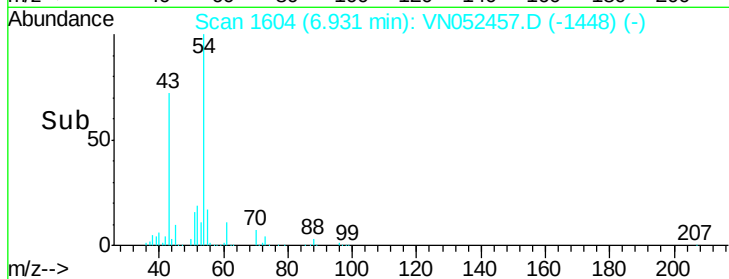
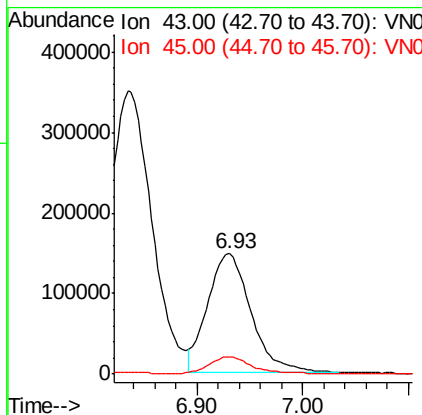
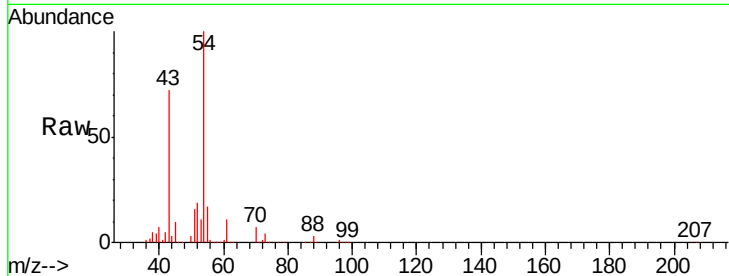
45 14.3 1.0 1.6#

Manual Integrations

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#44

Isopropyl Acetate

Concen: 50.23 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052457.D

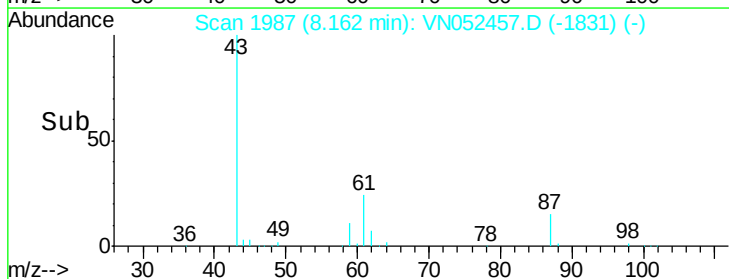
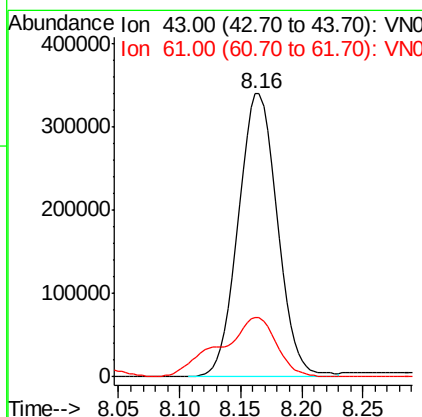
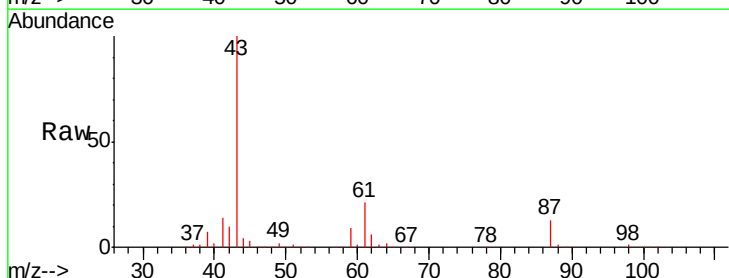
Acq: 26 Nov 2018 13:46

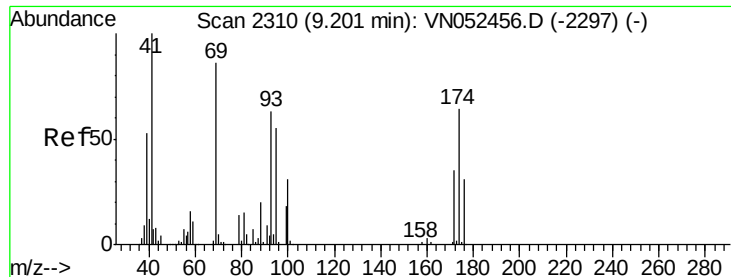
Tgt Ion: 43 Resp: 754393

Ion Ratio Lower Upper

43 100

61 19.8 16.0 24.0





#45

1,4-Dioxane

Concen: 1008.30 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052457.D

Acq: 26 Nov 2018 13:46

Instrument :

MSVOA_N

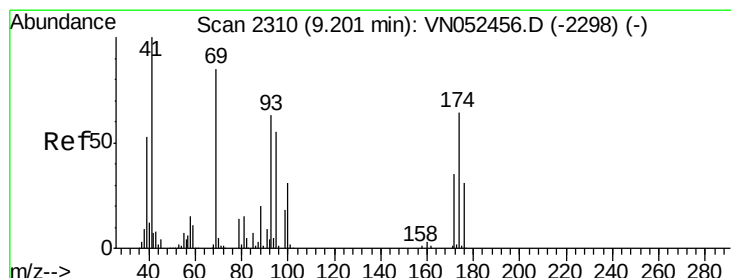
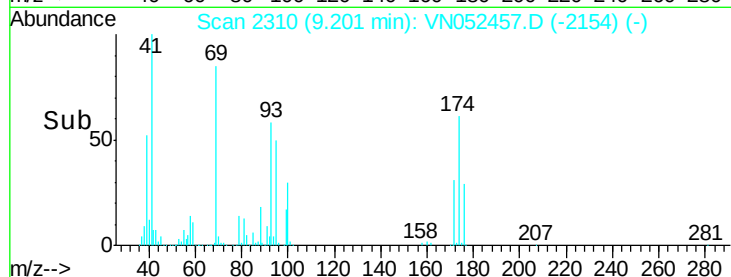
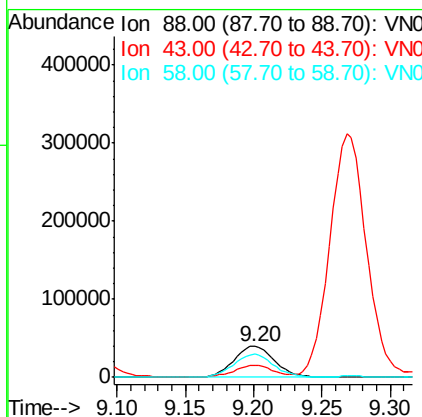
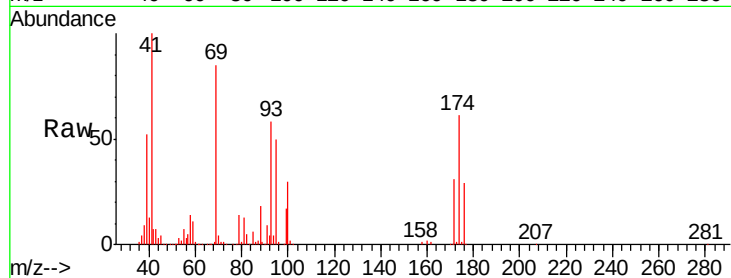
ClientSampleId :

VSTDIC050

Tgt Ion:	88	Resp:	82843
Ion	Ratio	Lower	Upper
88	100		
43	35.8	29.5	44.3
58	73.0	61.5	92.3

Manual Integrations
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#46

Methyl methacrylate

Concen: 49.98 ug/l

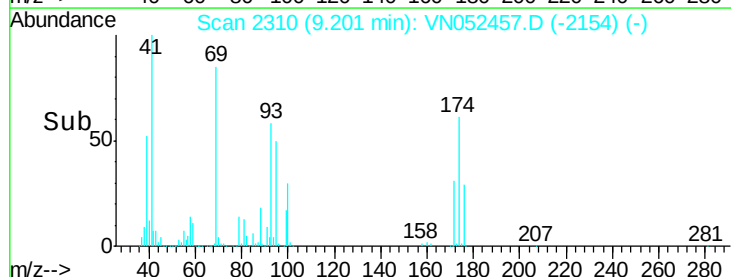
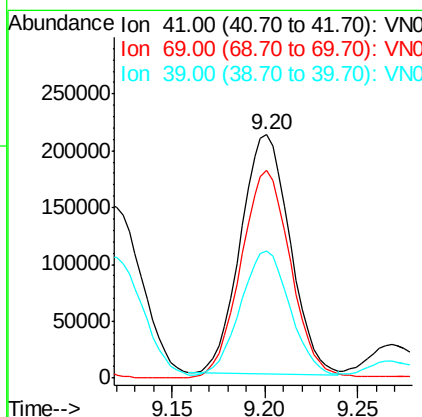
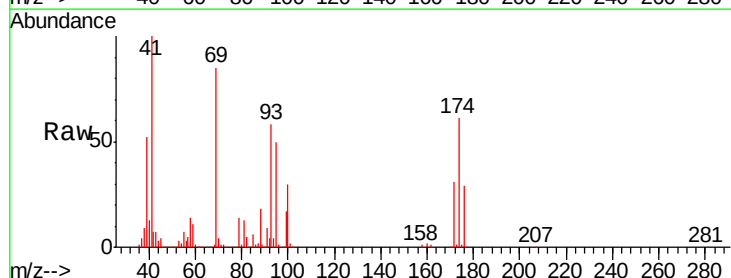
RT: 9.20 min Scan# 2310

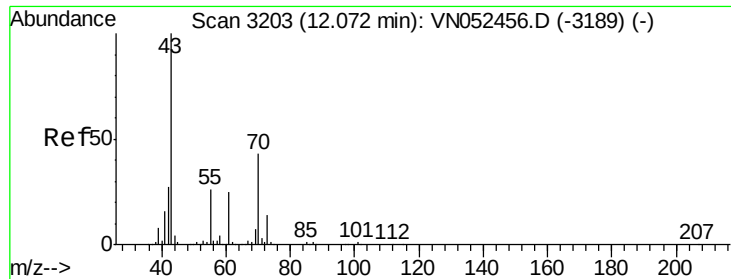
Delta R.T. 0.00 min

Lab File: VN052457.D

Acq: 26 Nov 2018 13:46

Tgt Ion:	41	Resp:	389725
Ion	Ratio	Lower	Upper
41	100		
69	86.8	42.5	127.6
39	51.8	26.3	78.9





#47

n-amyI Acetate

Concen: 51.21 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052457.D

Acq: 26 Nov 2018 13:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 43 Resp: 637746

Ion Ratio Lower Upper

43 100

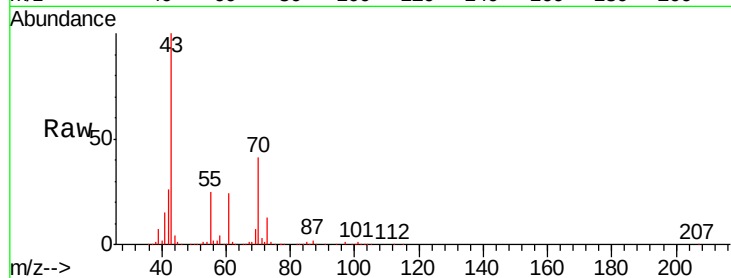
55 25.2 21.1 31.7

Manual Integrations

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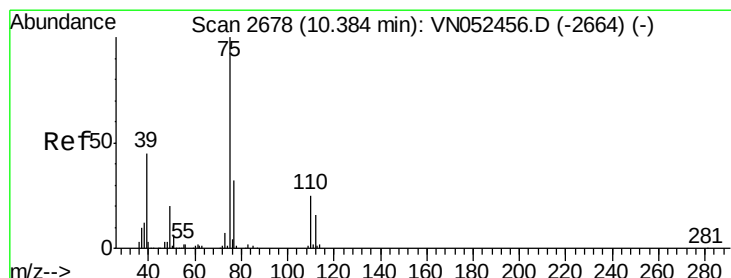
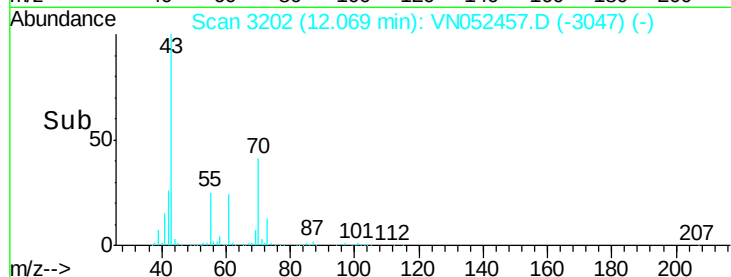
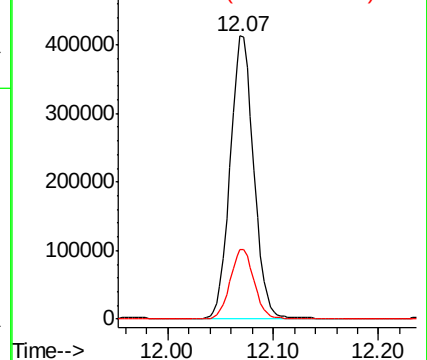
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 50.82 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052457.D

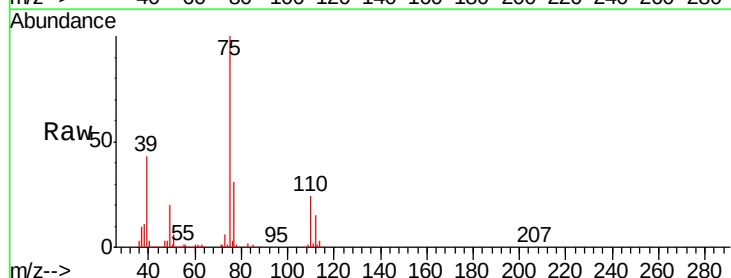
Acq: 26 Nov 2018 13:46

Tgt Ion: 75 Resp: 713621

Ion Ratio Lower Upper

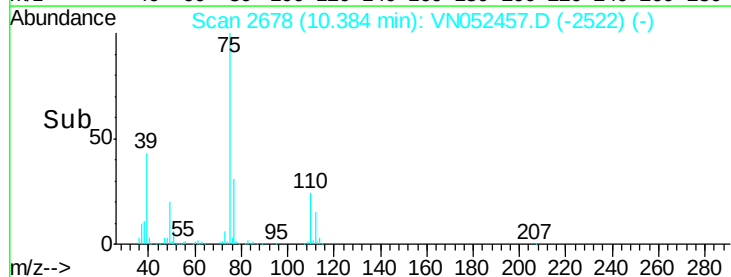
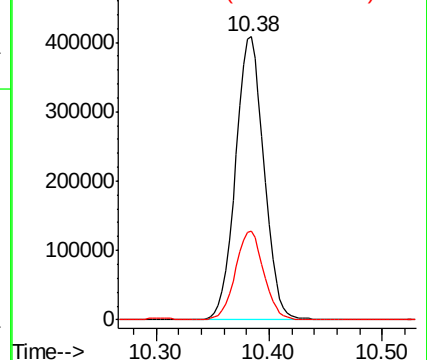
75 100

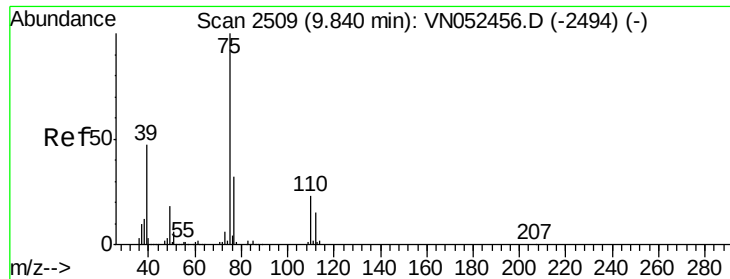
77 31.4 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#49

cis-1,3-Dichloropropene

Concen: 50.18 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052457.D

Acq: 26 Nov 2018 13:46

Instrument :

MSVOA_N

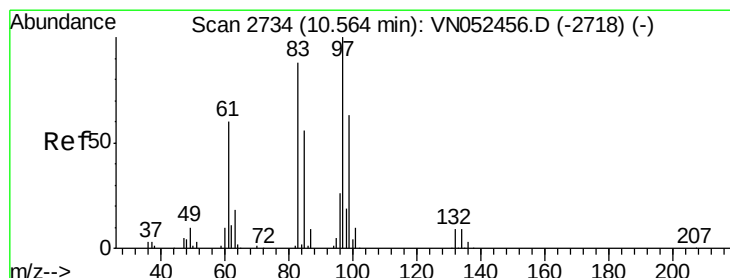
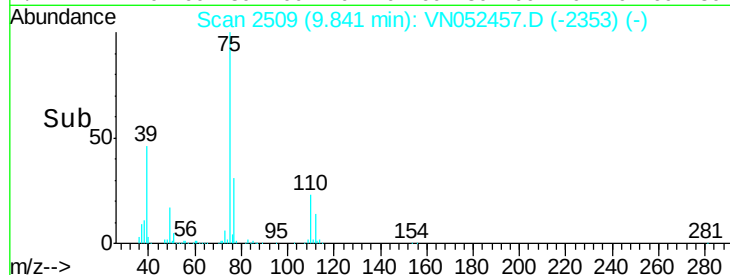
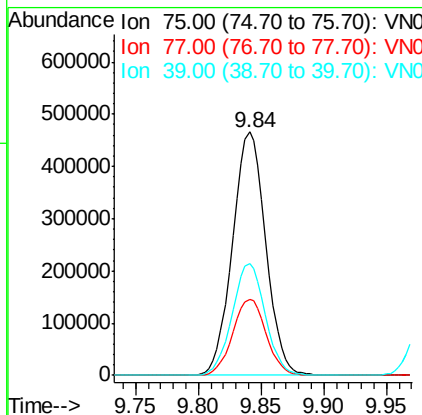
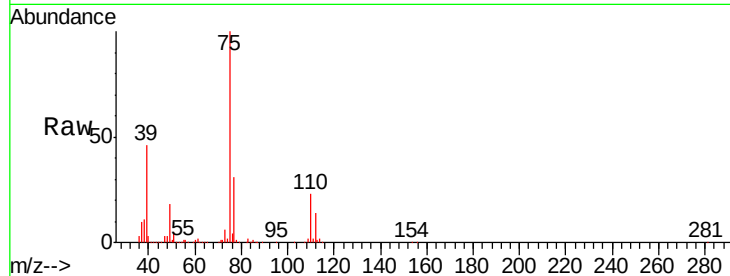
ClientSampleId :

VSTDIC050

Tgt Ion:	75	Resp:	858464
Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.0
39	46.1	37.3	55.9

Manual Integrations
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#50

1,1,2-Trichloroethane

Concen: 49.96 ug/l

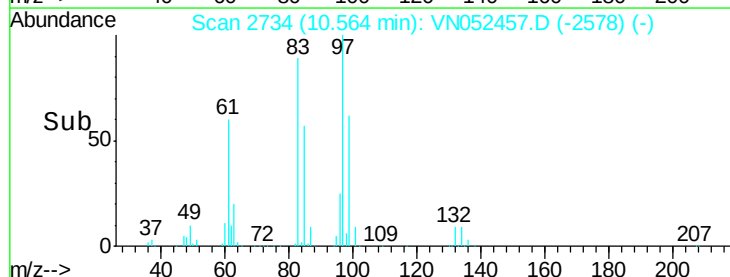
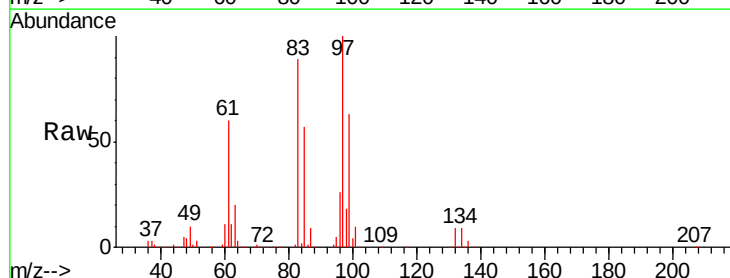
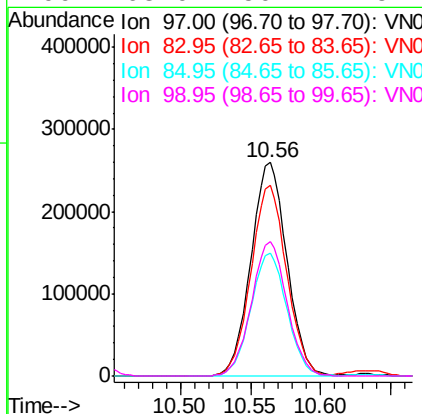
RT: 10.56 min Scan# 2734

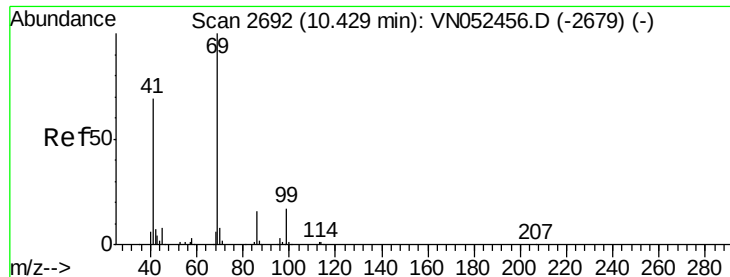
Delta R.T. 0.00 min

Lab File: VN052457.D

Acq: 26 Nov 2018 13:46

Tgt Ion:	97	Resp:	464213
Ion	Ratio	Lower	Upper
97	100		
83	89.2	70.4	105.6
85	57.5	45.0	67.6
99	63.0	50.2	75.2





#51

Ethyl methacrylate

Concen: 50.65 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052457.D

Acq: 26 Nov 2018 13:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 69 Resp: 591087
Ion Ratio Lower Upper

69 100

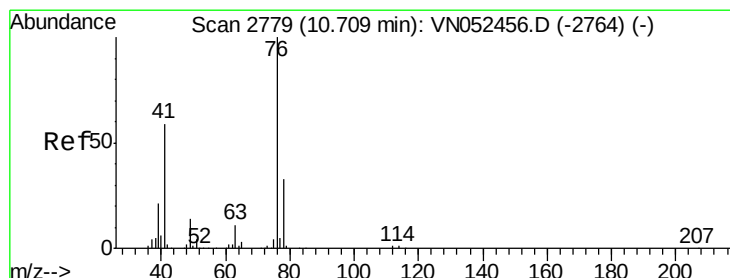
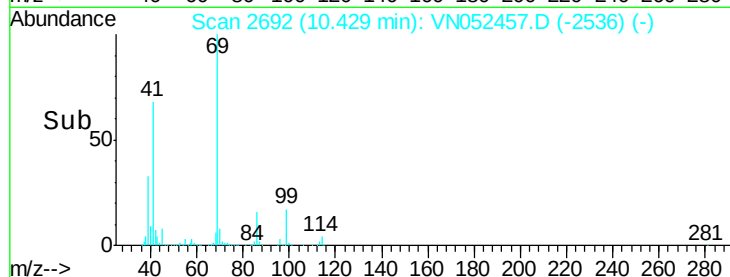
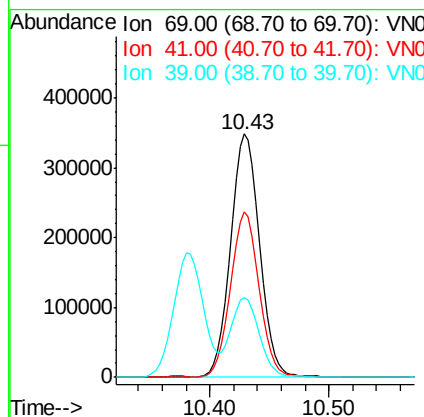
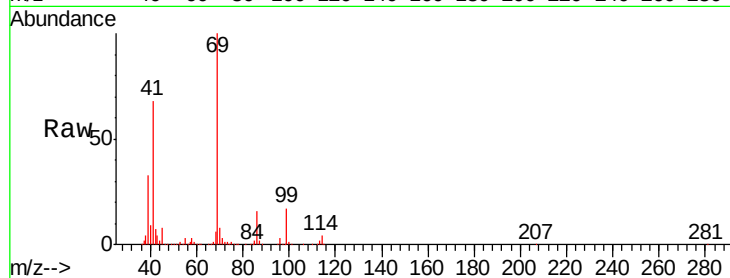
41 67.6 34.4 103.3

39 32.7 16.4 49.2

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 49.80 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

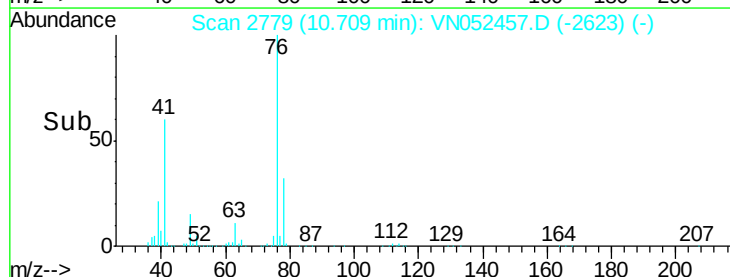
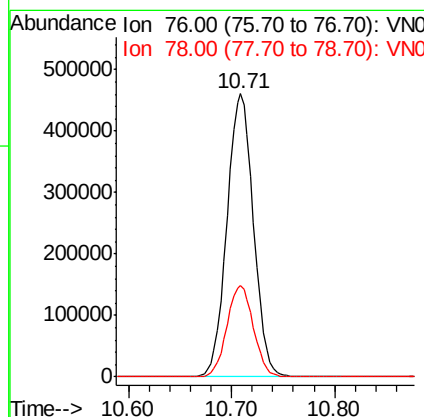
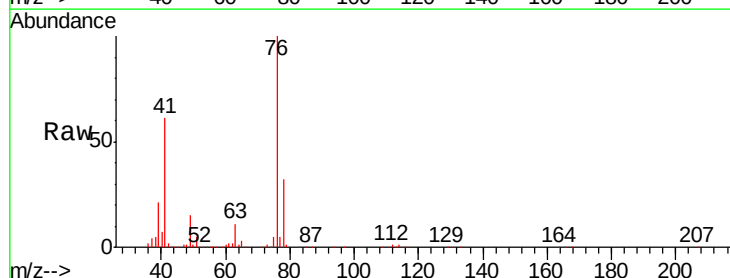
Lab File: VN052457.D

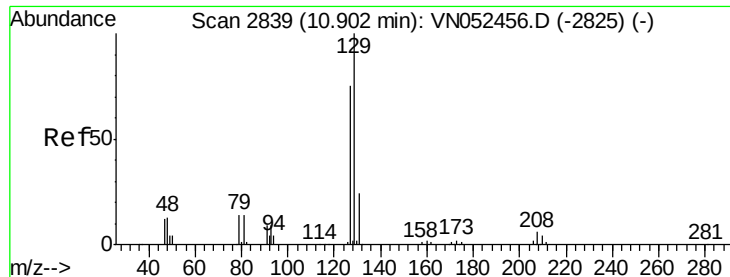
Acq: 26 Nov 2018 13:46

Tgt Ion: 76 Resp: 823639
Ion Ratio Lower Upper

76 100

78 32.3 0.0 64.8





#53

Dibromochloromethane

Concen: 50.13 ug/l

RT: 10.90 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VN052457.D

Acq: 26 Nov 2018 13:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion:129 Resp: 512777

Ion Ratio Lower Upper

129 100

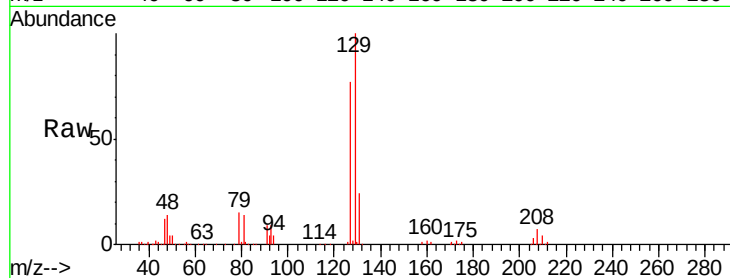
127 77.8 37.6 112.8

Manual Integrations

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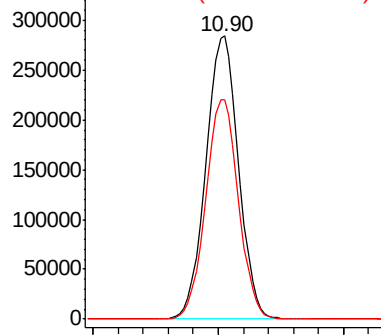
MMDadoda

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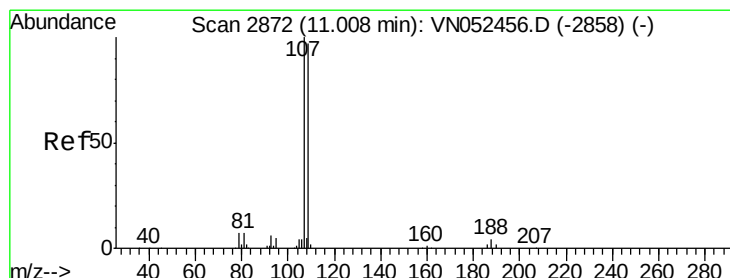
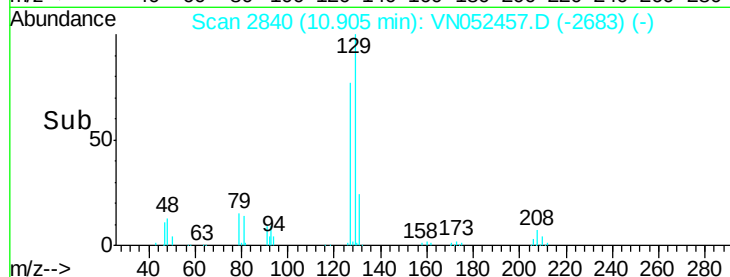


Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



Time--> 10.80 10.90 11.00



#54

1,2-Dibromoethane

Concen: 50.30 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052457.D

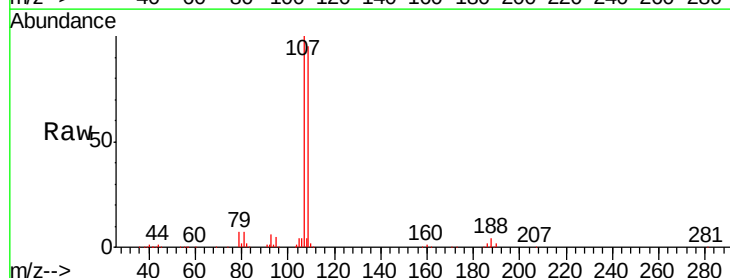
Acq: 26 Nov 2018 13:46

Tgt Ion:107 Resp: 456665

Ion Ratio Lower Upper

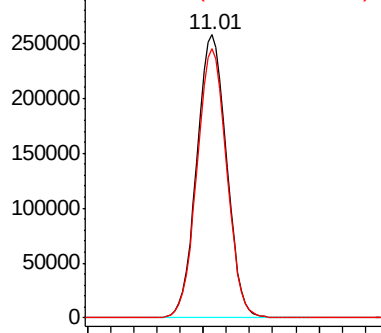
107 100

109 94.8 77.1 115.7

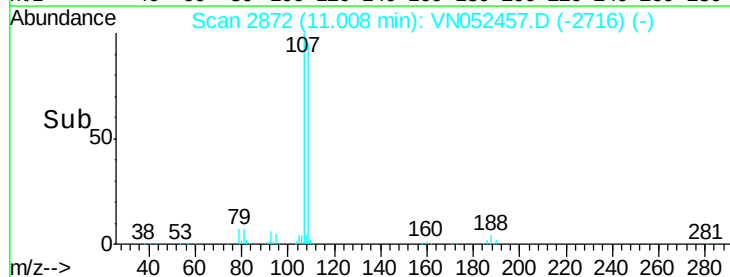


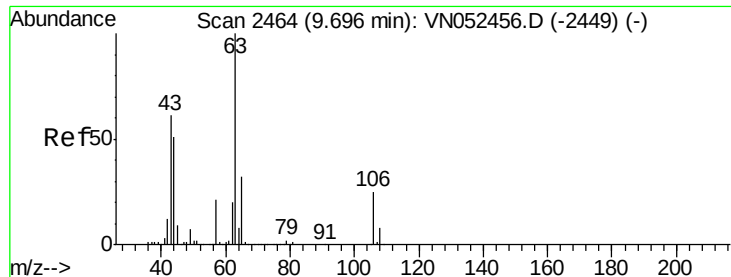
Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



Time--> 10.90 11.00 11.10





#55

2-Chloroethyl vinyl ether

Concen: 253.52 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052457.D

Acq: 26 Nov 2018 13:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 63 Resp: 1731709

Ion Ratio Lower Upper

63 100

65 32.0 25.4 38.2

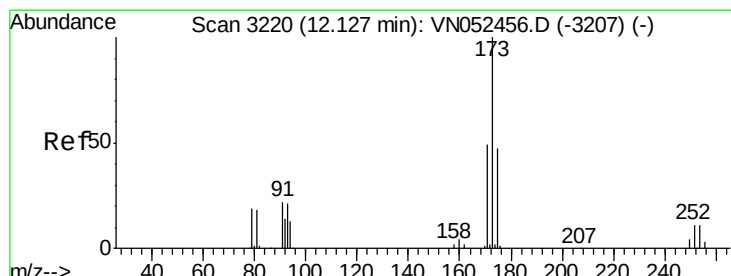
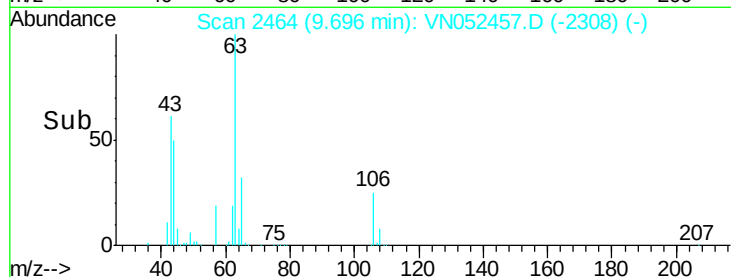
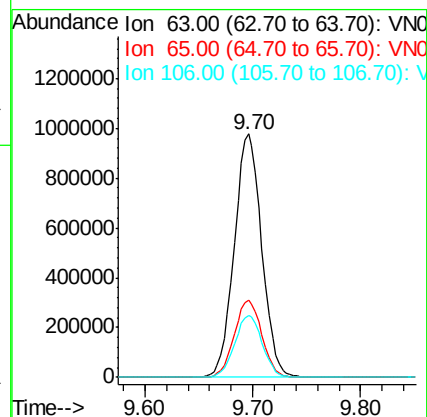
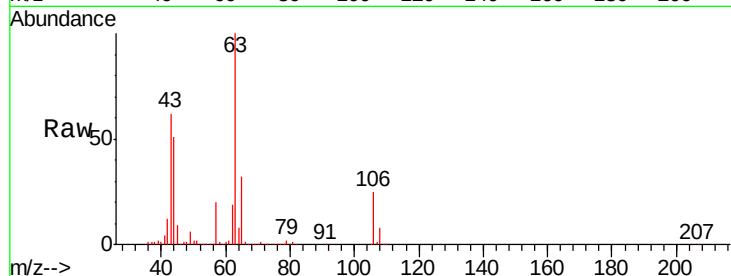
106 25.7 20.4 30.6

Manual Integrations

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#56

Bromoform

Concen: 50.35 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052457.D

Acq: 26 Nov 2018 13:46

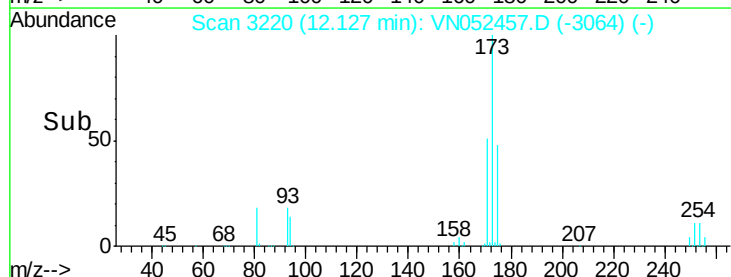
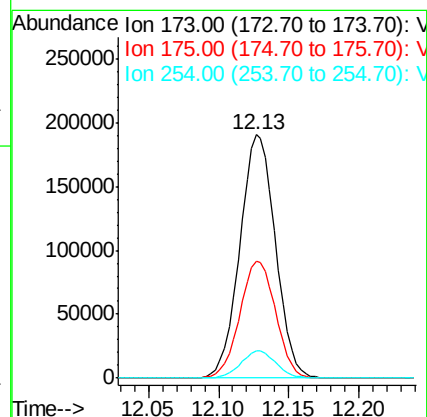
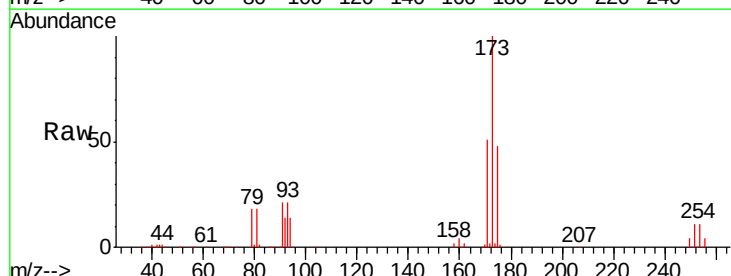
Tgt Ion: 173 Resp: 336644

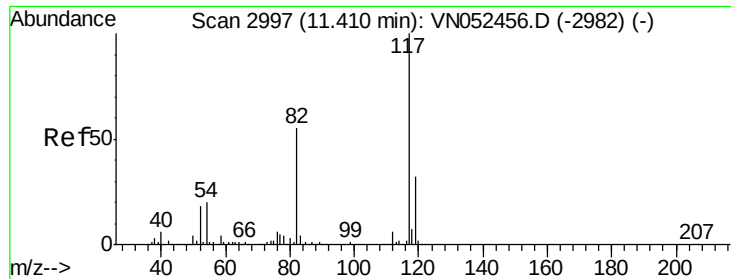
Ion Ratio Lower Upper

173 100

175 48.5 38.7 58.1

254 11.0 8.4 12.6





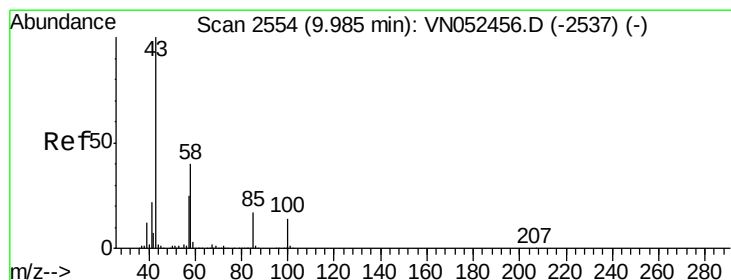
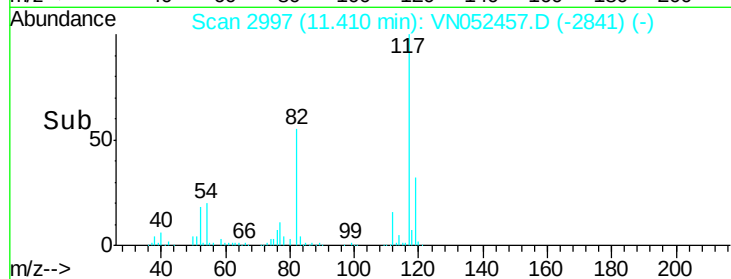
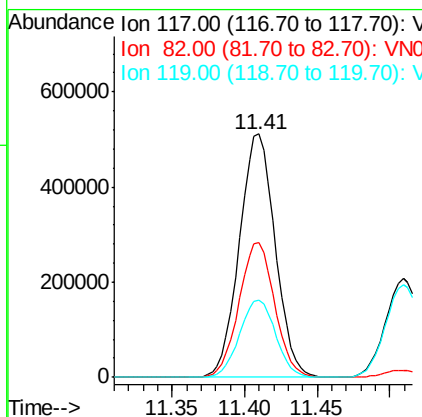
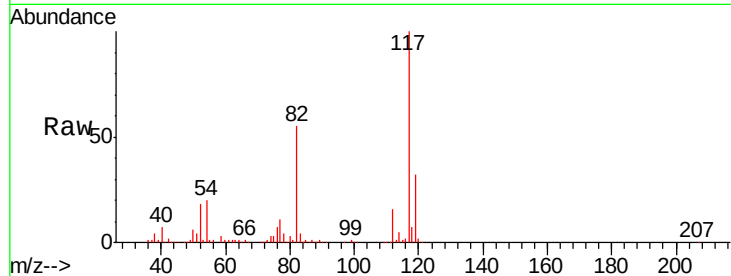
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052457.D
Acq: 26 Nov 2018 13:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	880360		
82	55.1	44.2	66.2	
119	32.1	25.4	38.2	

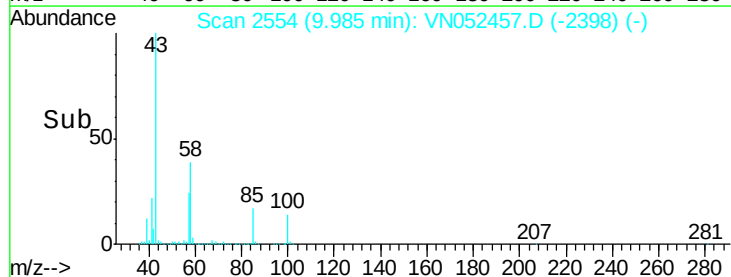
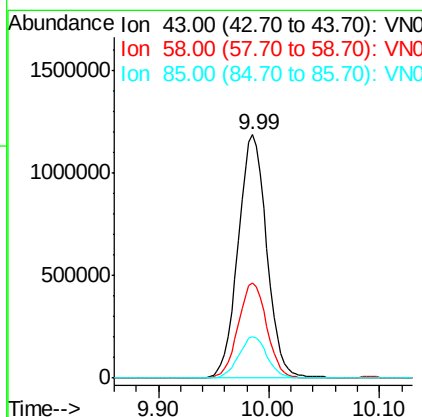
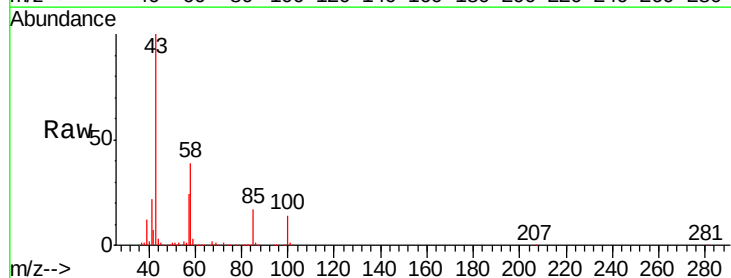
Manual Integrations
APPROVED

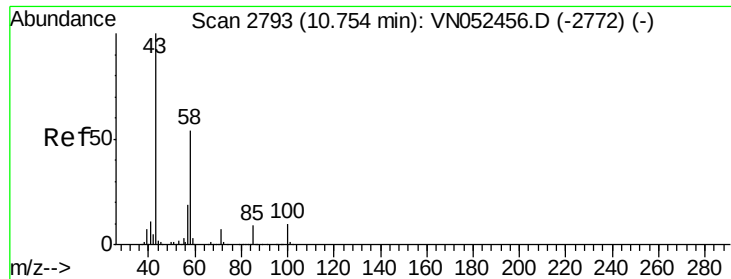
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 249.59 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052457.D
Acq: 26 Nov 2018 13:46

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	2130219		
58	39.2	31.6	47.4	
85	16.9	13.3	19.9	





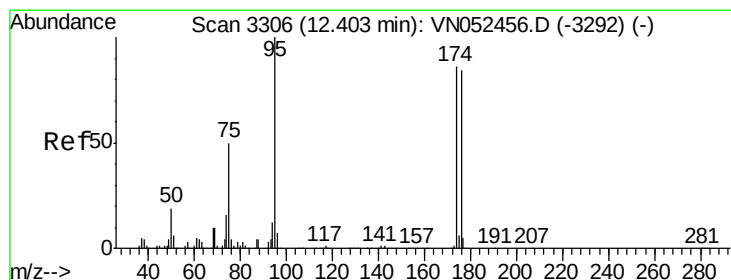
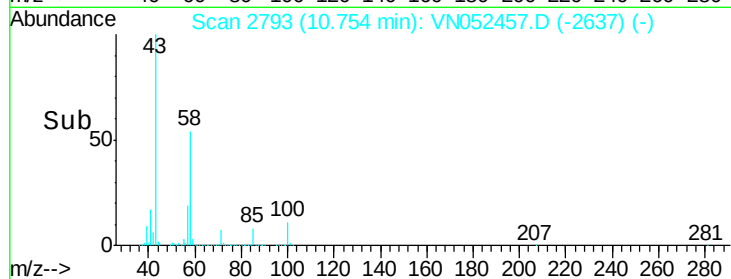
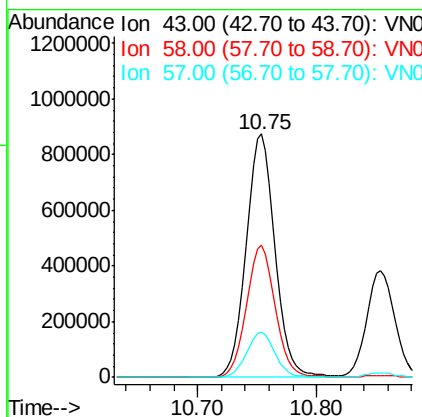
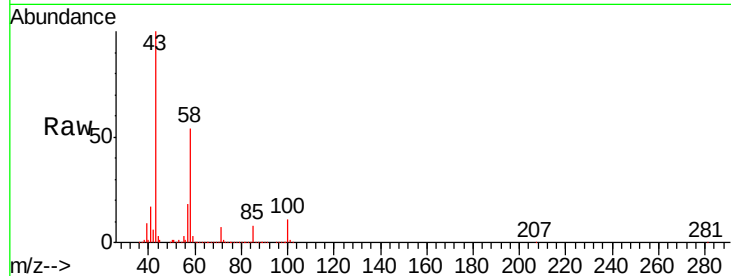
#59
 2-Hexanone
 Concen: 250.93 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VN052457.D
 Acq: 26 Nov 2018 13:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion: 43 Resp: 1462966
 Ion Ratio Lower Upper
 43 100
 58 54.4 43.2 64.8
 57 18.6 14.9 22.3

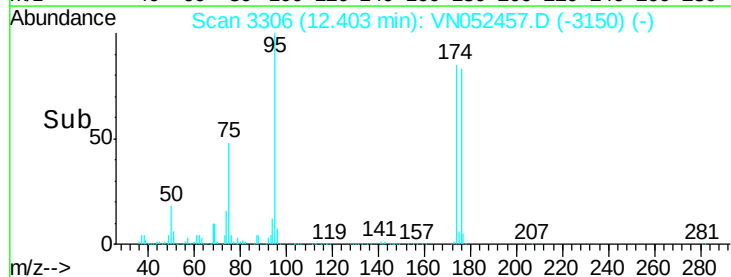
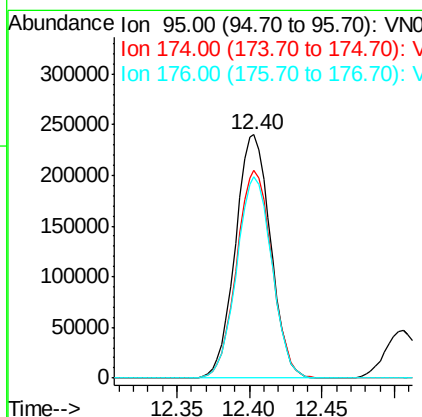
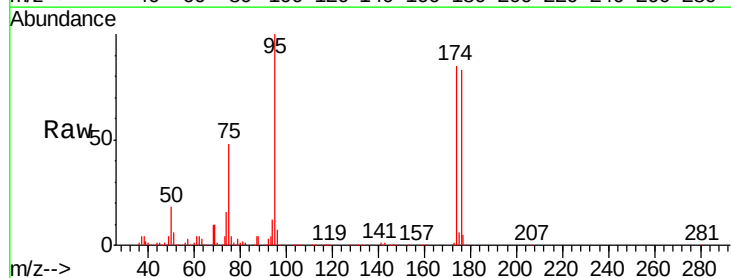
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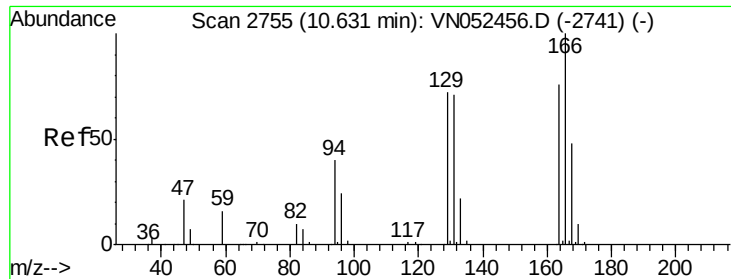
MMDadoda
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#60
 4-Bromofluorobenzene
 Concen: 250.93 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN052457.D
 Acq: 26 Nov 2018 13:46

Tgt Ion: 95 Resp: 406363
 Ion Ratio Lower Upper
 95 100
 174 85.4 67.9 101.9
 176 82.6 66.4 99.6





#61

Tetrachloroethene

Concen: 49.21 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN052457.D

Acq: 26 Nov 2018 13:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion:164 Resp: 533524

Ion Ratio Lower Upper

164 100

166 128.5 104.6 157.0

129 93.8 75.3 112.9

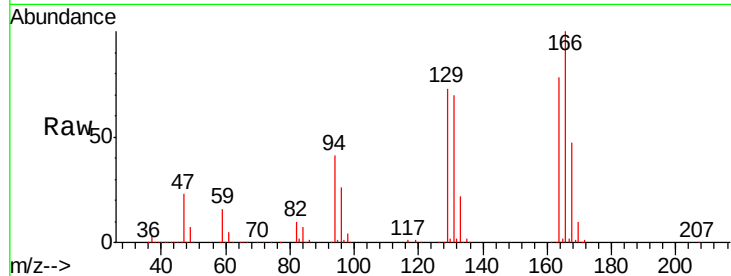
131 90.4 74.3 111.5

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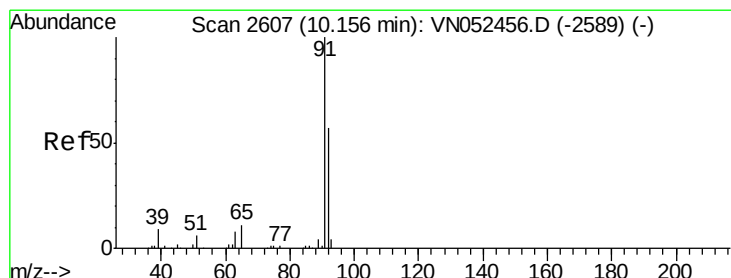
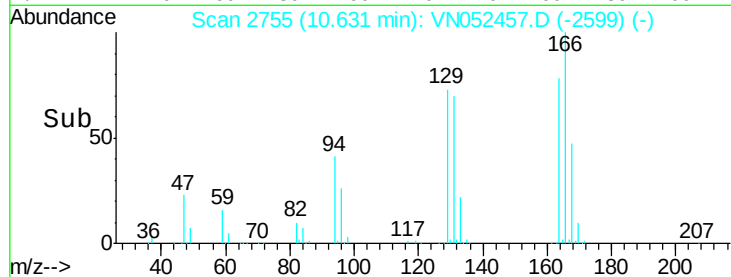
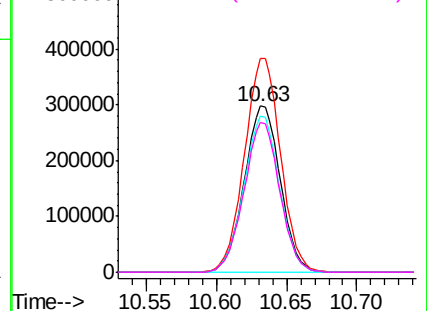


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 49.67 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052457.D

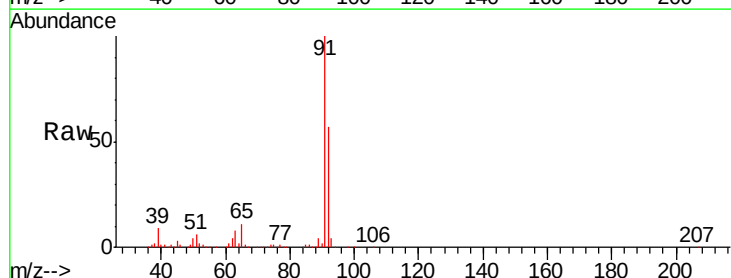
Acq: 26 Nov 2018 13:46

Tgt Ion: 91 Resp: 2410364

Ion Ratio Lower Upper

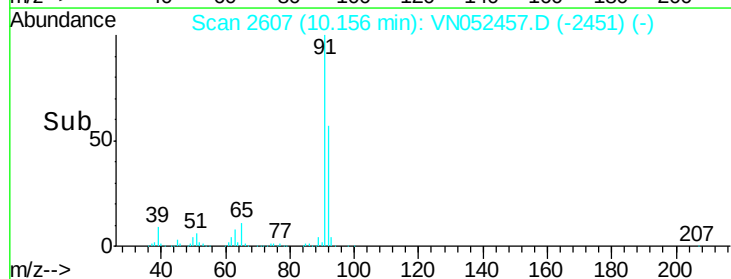
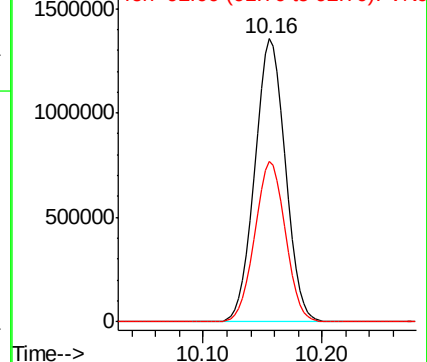
91 100

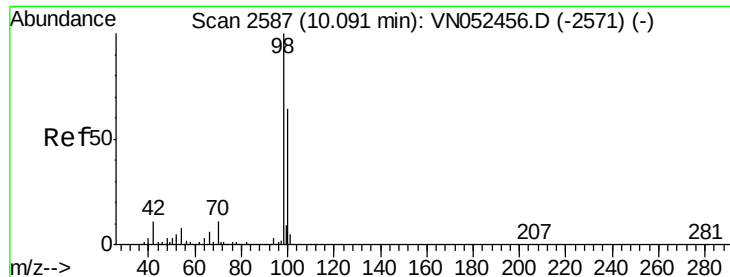
92 56.9 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 49.67 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052457.D

Acq: 26 Nov 2018 13:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 98 Resp: 1223327

Ion Ratio Lower Upper

98 100

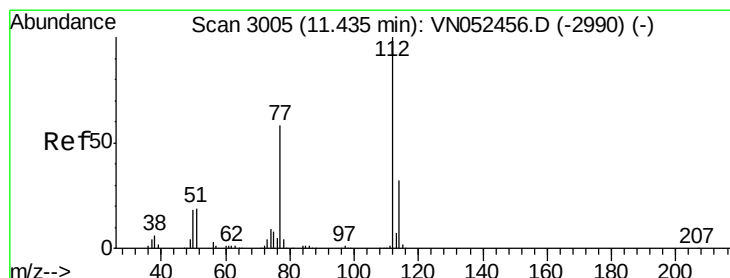
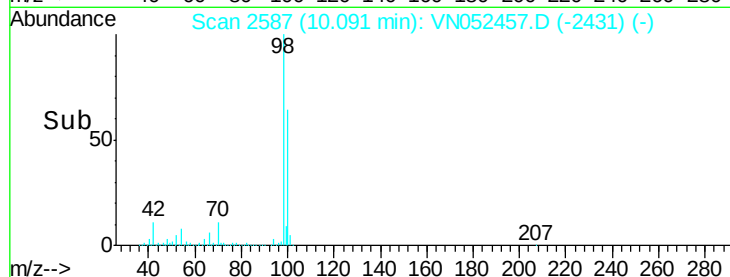
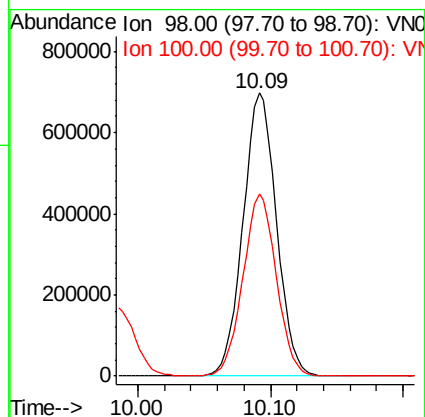
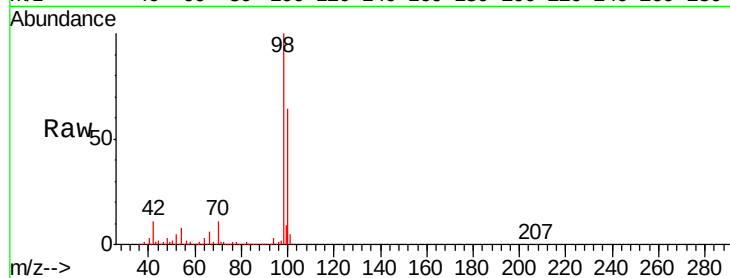
100 63.9 51.1 76.7

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#64

Chlorobenzene

Concen: 49.85 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN052457.D

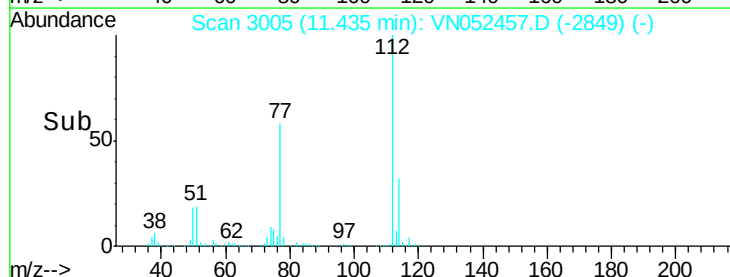
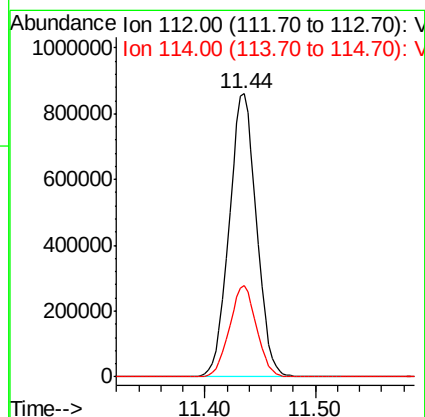
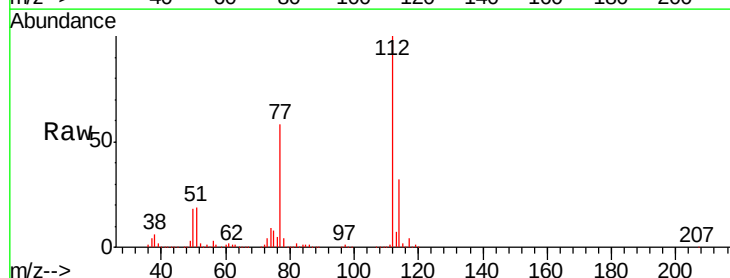
Acq: 26 Nov 2018 13:46

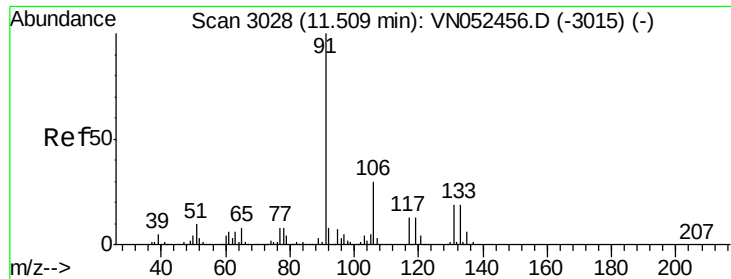
Tgt Ion: 112 Resp: 1476797

Ion Ratio Lower Upper

112 100

114 32.1 25.6 38.4





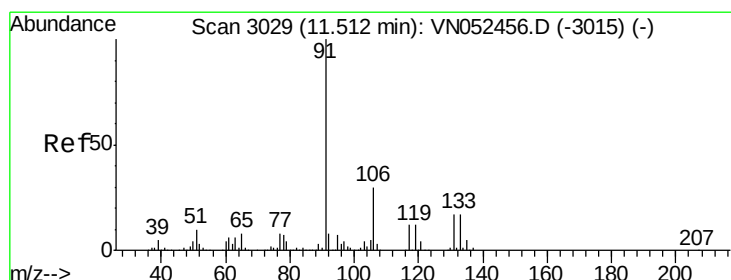
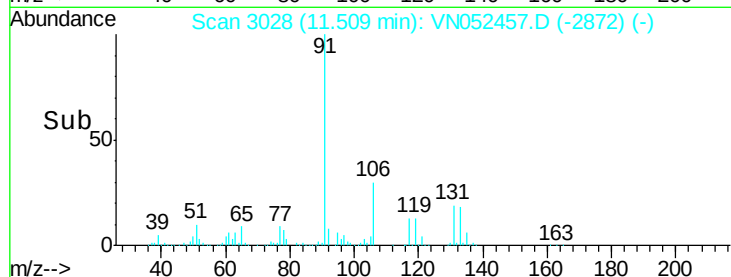
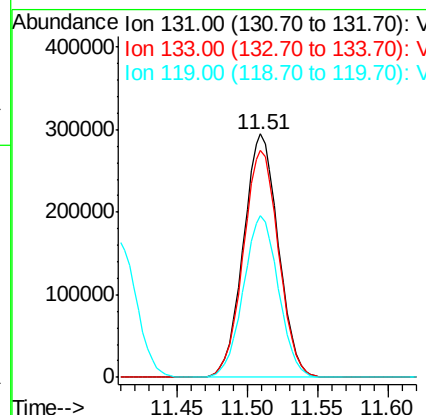
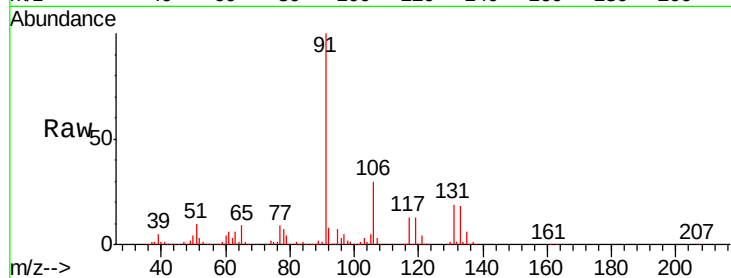
#65
 1,1,1,2-Tetrachloroethane
 Concen: 49.75 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN052457.D
 Acq: 26 Nov 2018 13:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	511545		
133	94.4	0.0	193.4	
119	66.6	0.0	133.0	

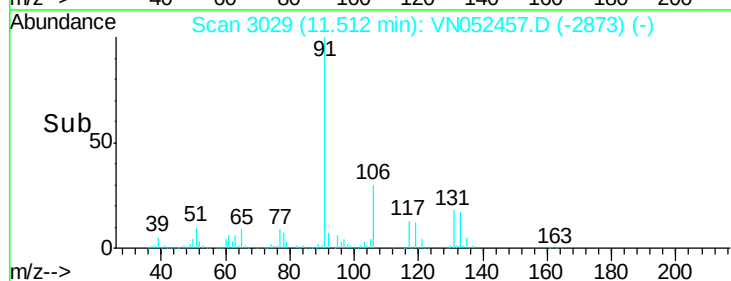
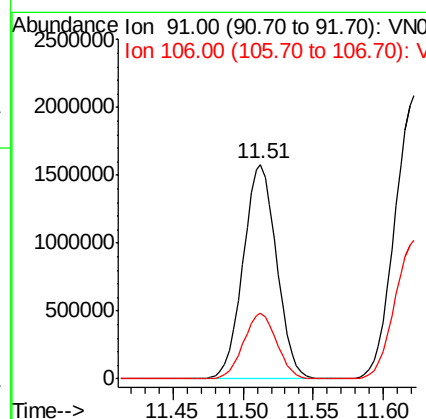
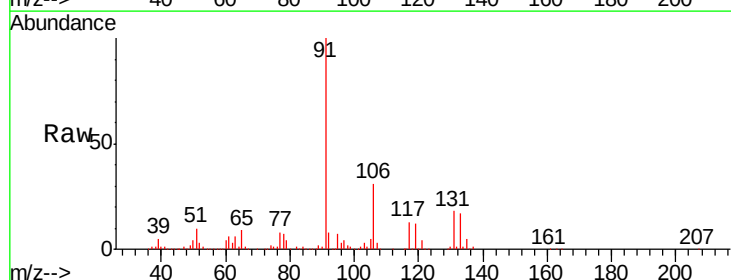
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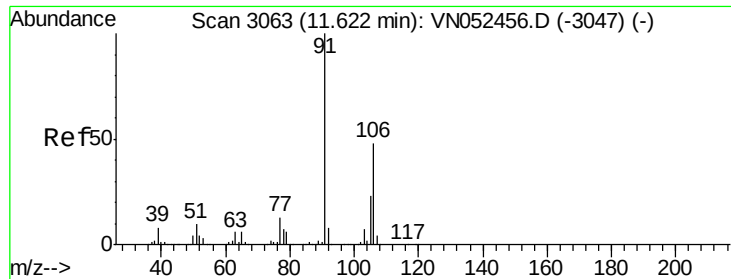
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#66
 Ethyl Benzene
 Concen: 50.29 ug/l
 RT: 11.51 min Scan# 3029
 Delta R.T. 0.00 min
 Lab File: VN052457.D
 Acq: 26 Nov 2018 13:46

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	2630492		
106	30.6	24.3	36.5	





#67

m/p-Xylenes

Concen: 100.41 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052457.D

Acq: 26 Nov 2018 13:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion:106 Resp: 1956723

Ion Ratio Lower Upper

106 100

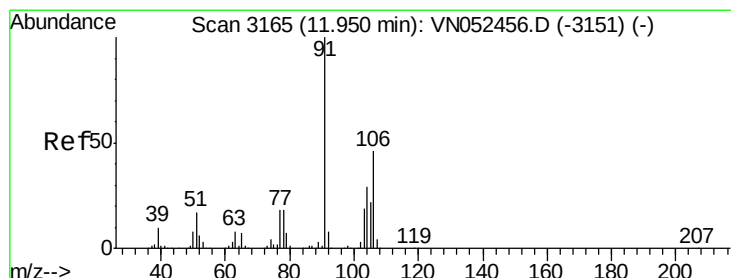
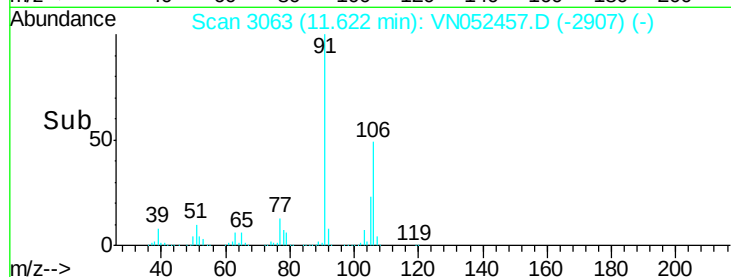
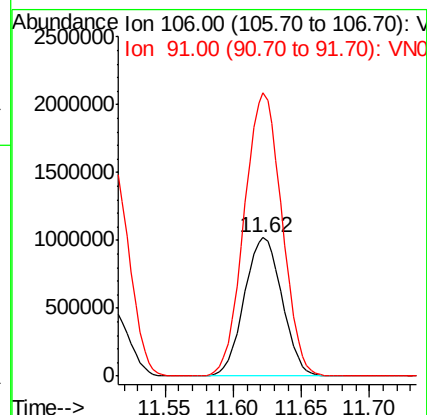
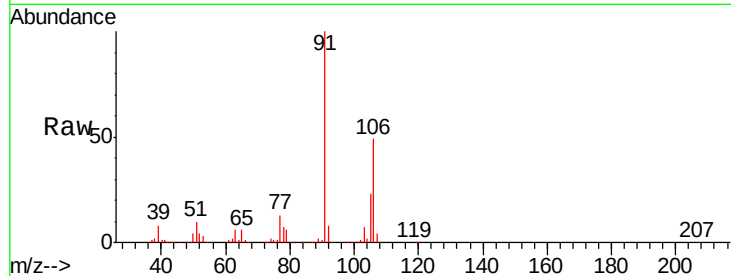
91 204.5 163.9 245.9

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#68

o-Xylene

Concen: 49.91 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN052457.D

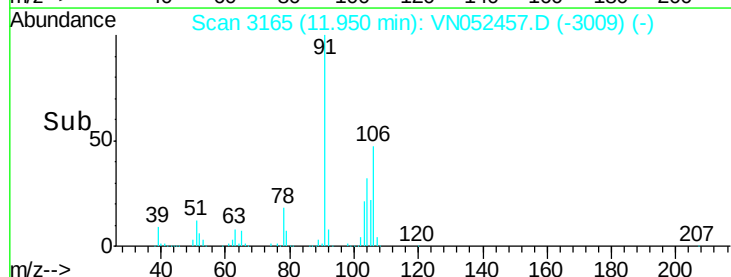
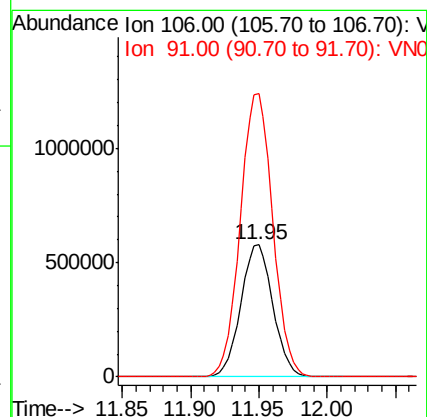
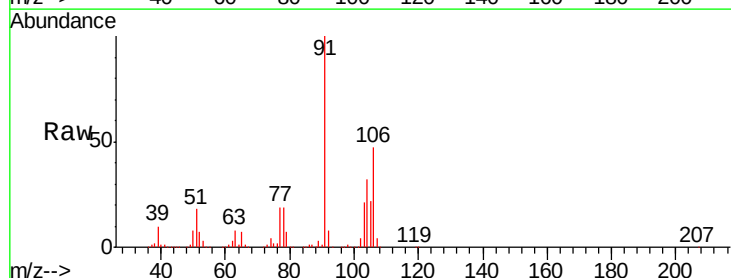
Acq: 26 Nov 2018 13:46

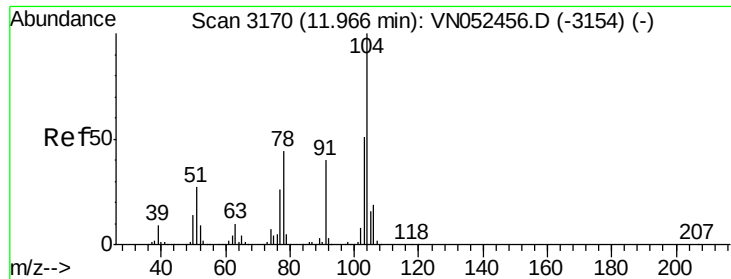
Tgt Ion:106 Resp: 944011

Ion Ratio Lower Upper

106 100

91 216.8 107.8 323.4





#69

Styrene

Concen: 50.82 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.00 min

Lab File: VN052457.D

Acq: 26 Nov 2018 13:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion:104 Resp: 1551574

Ion Ratio Lower Upper

104 100

78 49.2 39.3 58.9

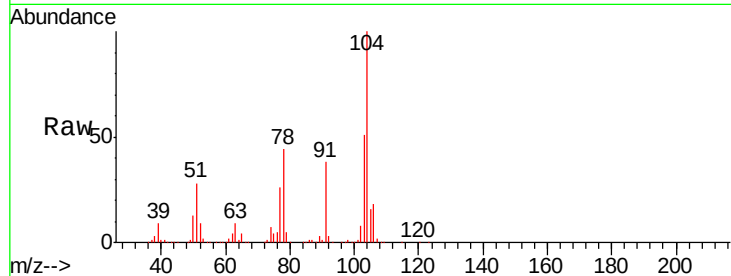
103 56.1 44.6 66.8

Manual Integrations

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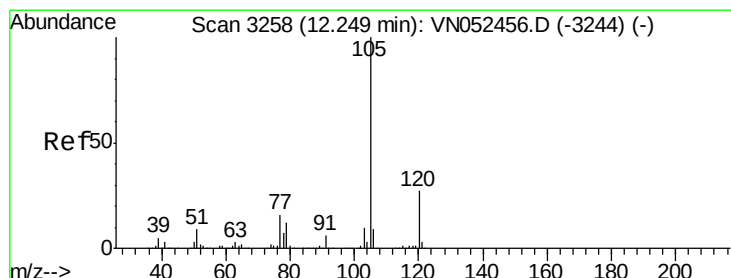
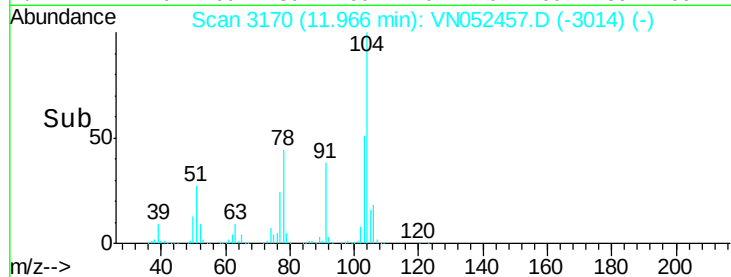
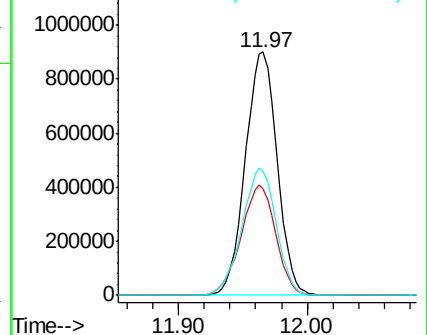
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Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 50.35 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052457.D

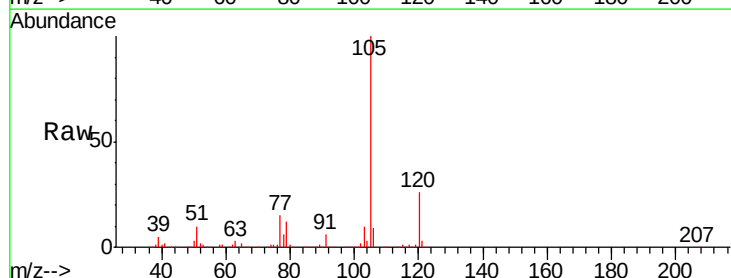
Acq: 26 Nov 2018 13:46

Tgt Ion:105 Resp: 2533997

Ion Ratio Lower Upper

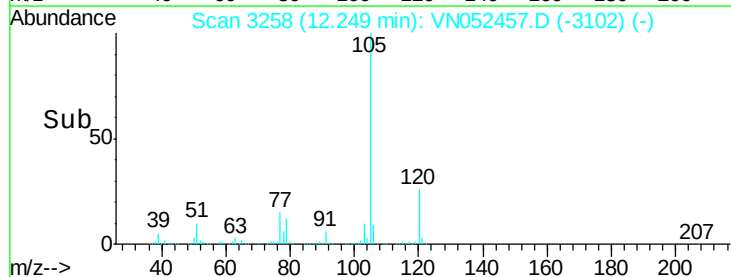
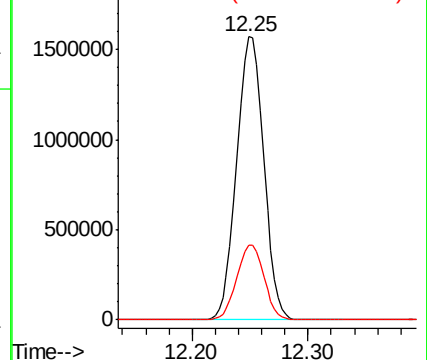
105 100

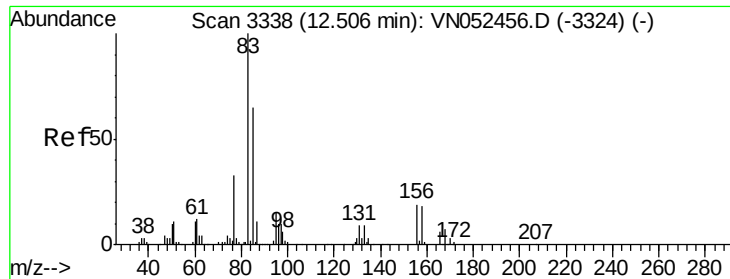
120 26.6 18.6 34.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





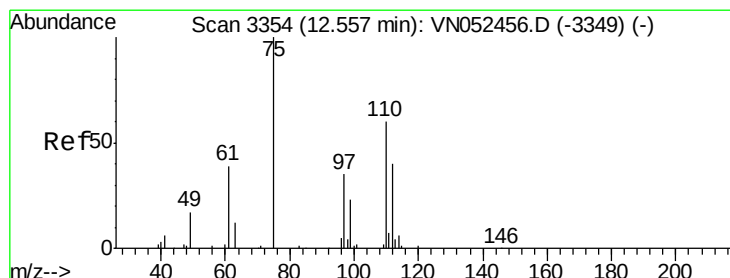
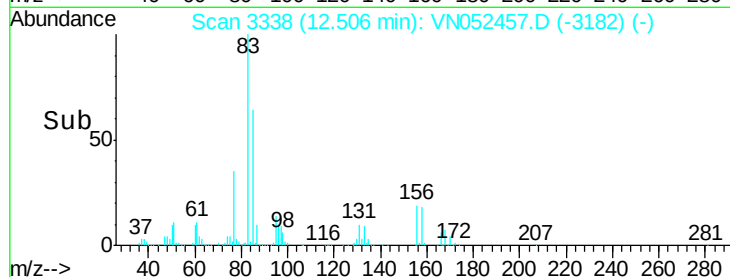
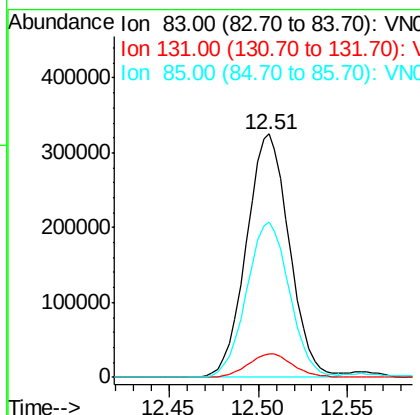
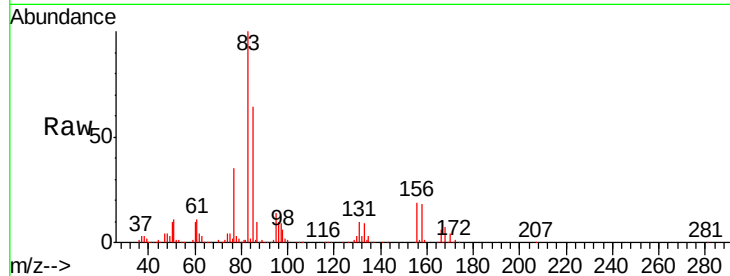
#71
 1,1,2,2-Tetrachloroethane
 Concen: 49.92 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN052457.D
 Acq: 26 Nov 2018 13:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.9	14.6
85	64.0	32.2	96.6

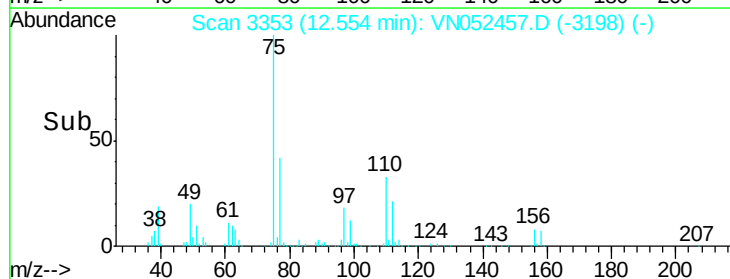
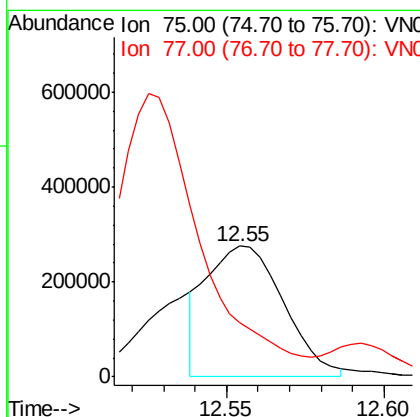
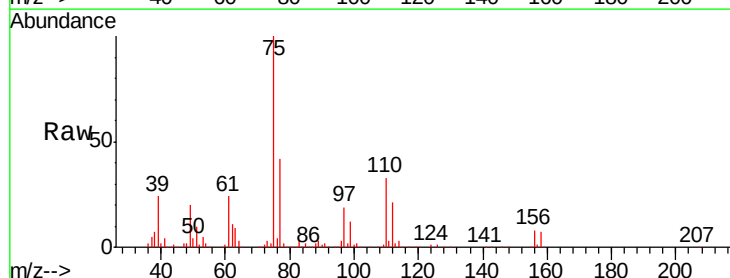
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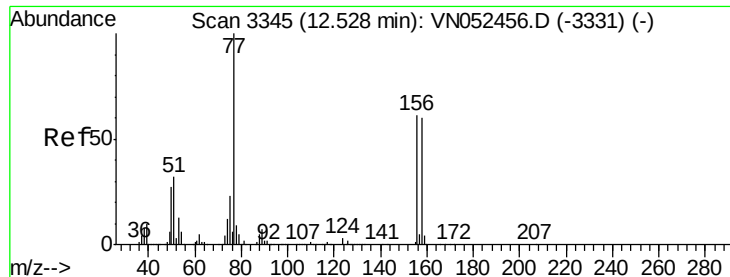
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#72
 1,2,3-Trichloropropane
 Concen: 51.54 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052457.D
 Acq: 26 Nov 2018 13:46

Tgt Ion	Ratio	Lower	Upper
75	100		
77	246.2	0.0	514.8





#73

Bromobenzene

Concen: 50.10 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052457.D

Acq: 26 Nov 2018 13:46

Instrument :

MSVOA_N

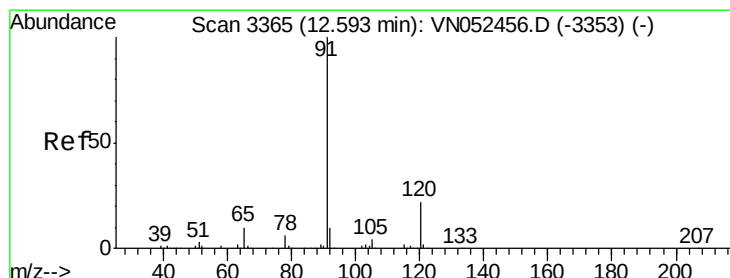
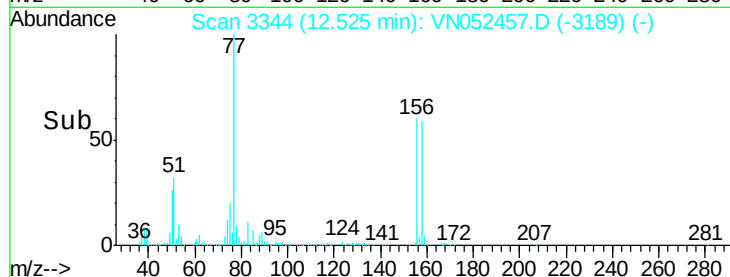
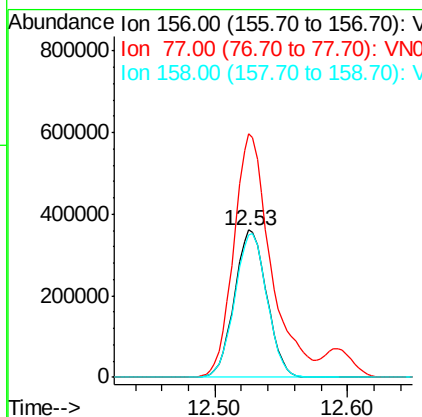
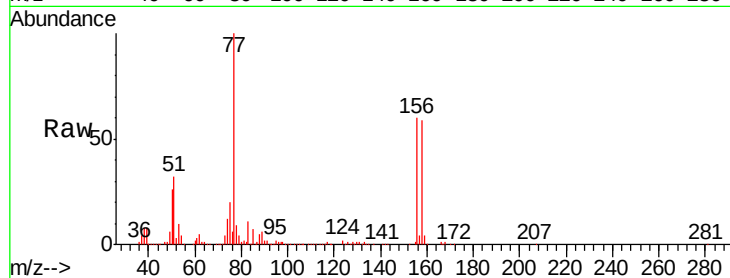
ClientSampleId :

VSTDIC050

Tgt Ion:	156	Resp:	609822
Ion Ratio	Lower	Upper	
156	100		
77	190.2	0.0	382.6
158	97.5	0.0	196.8

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#74

n-propylbenzene

Concen: 50.26 ug/l

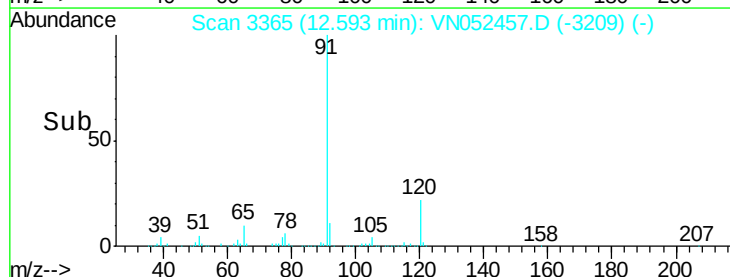
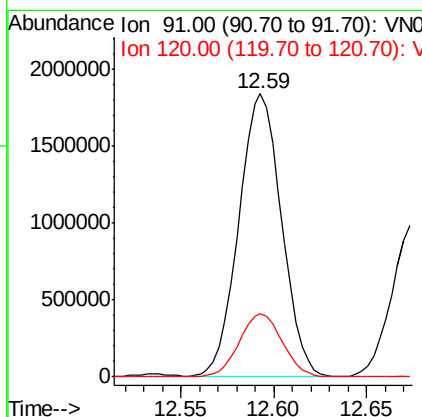
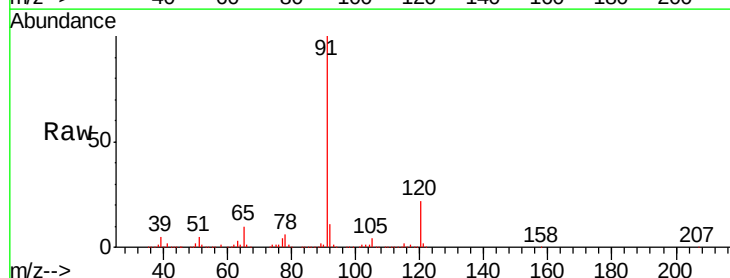
RT: 12.59 min Scan# 3365

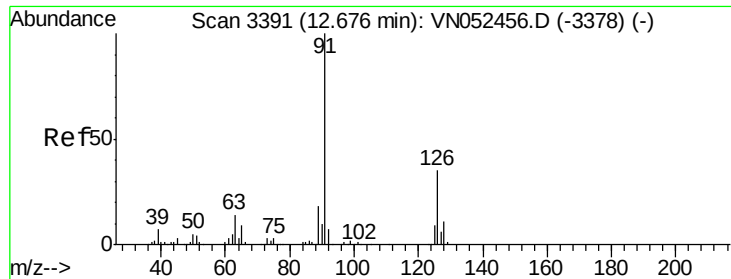
Delta R.T. 0.00 min

Lab File: VN052457.D

Acq: 26 Nov 2018 13:46

Tgt Ion:	91	Resp:	2947111
Ion Ratio	Lower	Upper	
91	100		
120	22.4	0.0	44.6





#75

2-Chlorotoluene

Concen: 50.15 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052457.D

Acq: 26 Nov 2018 13:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 91 Resp: 1706814

Ion Ratio Lower Upper

91 100

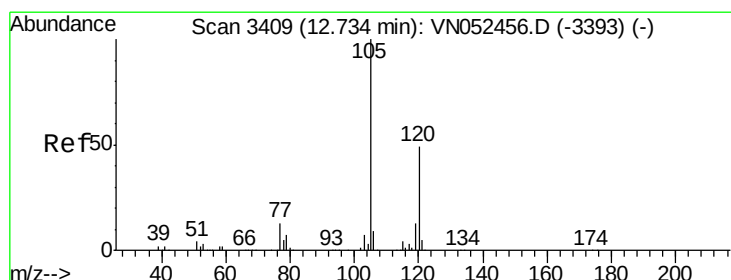
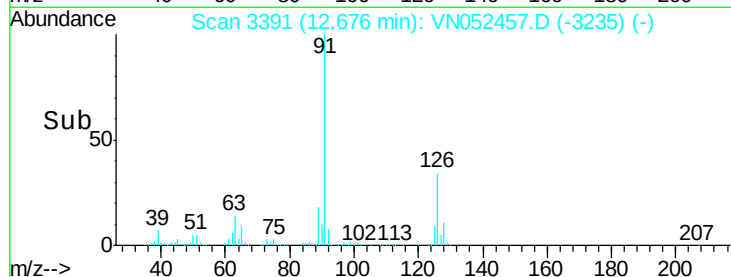
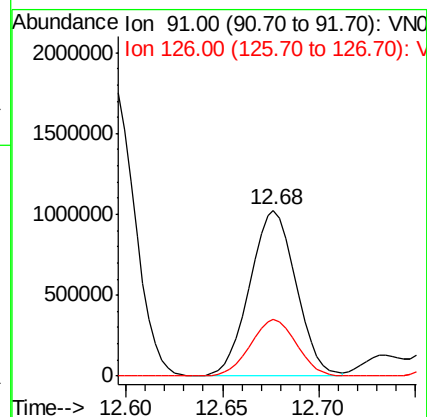
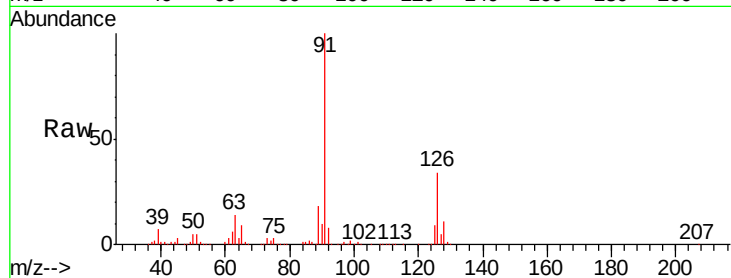
126 34.2 0.0 68.4

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#76

1,3,5-Trimethylbenzene

Concen: 50.32 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052457.D

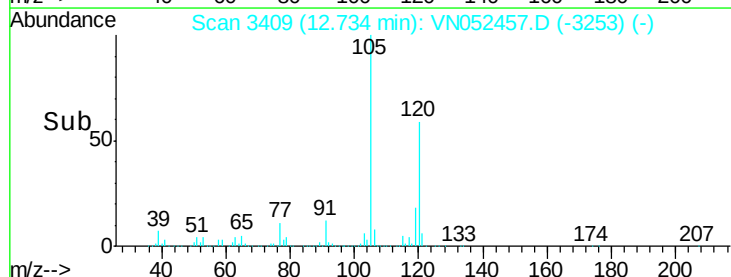
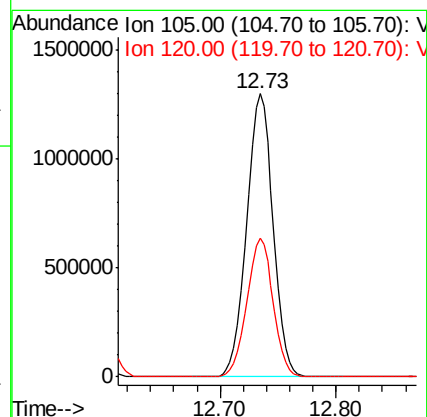
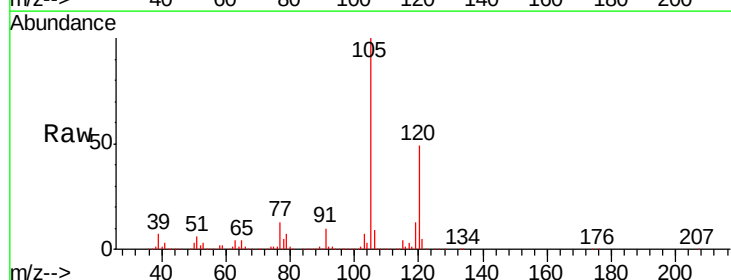
Acq: 26 Nov 2018 13:46

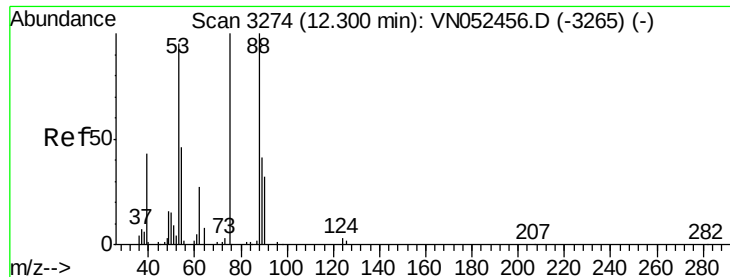
Tgt Ion: 105 Resp: 2045508

Ion Ratio Lower Upper

105 100

120 48.8 0.0 97.4





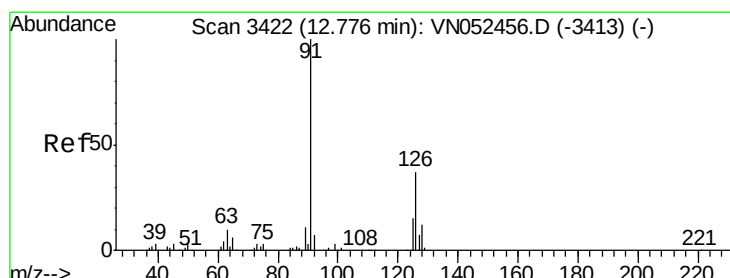
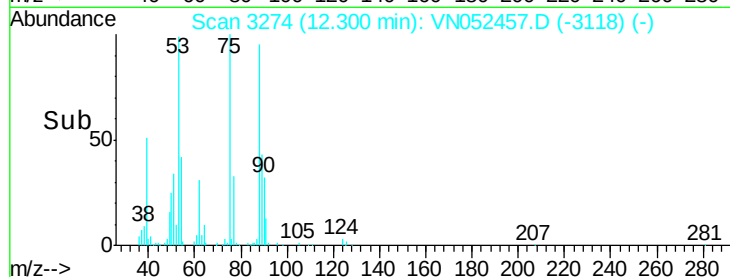
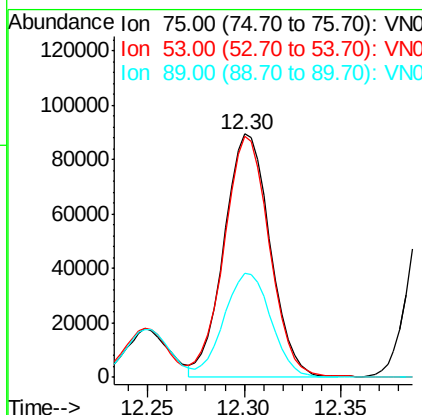
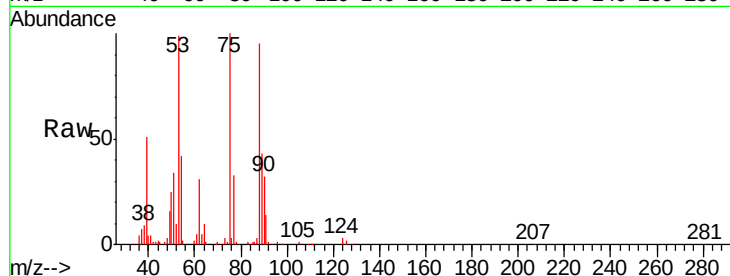
#77
t-1,4-Dichloro-2-butene
Concen: 49.97 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052457.D
Acq: 26 Nov 2018 13:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion	Ratio	Lower	Upper
75	100		
53	98.9	48.5	145.6
89	42.7	21.7	65.1

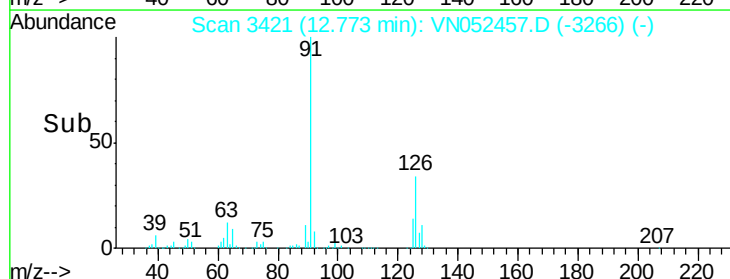
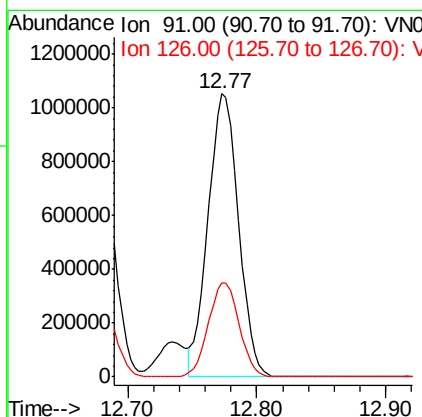
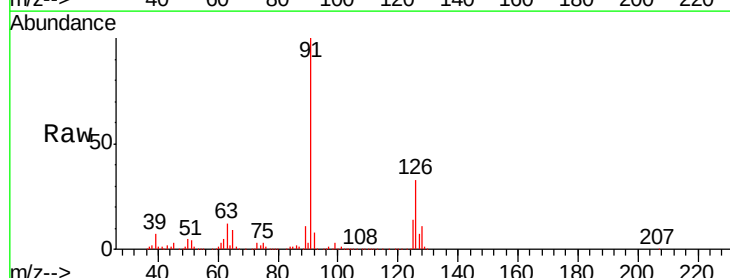
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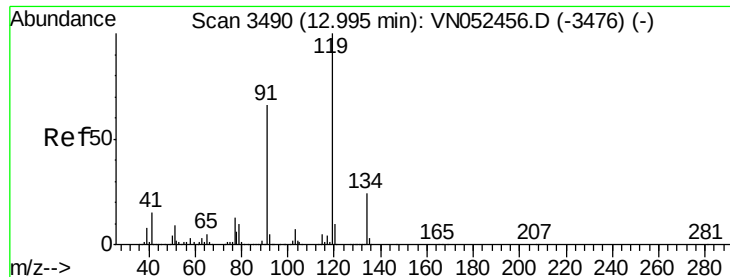
MMDadoda
11/27/2018 3:52:10 PM



#78
4-Chlorotoluene
Concen: 50.69 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052457.D
Acq: 26 Nov 2018 13:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	0.0	68.2





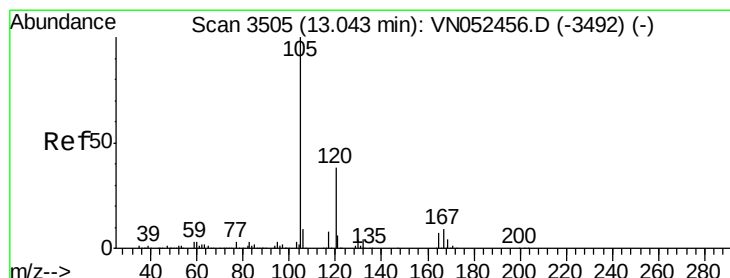
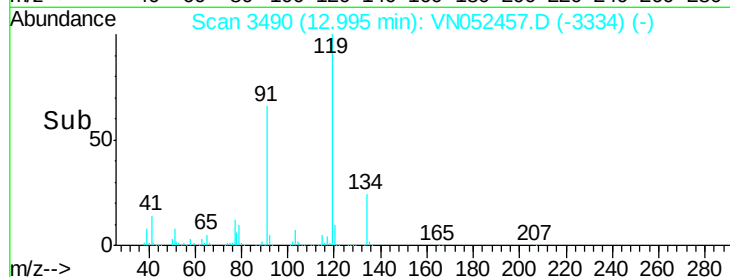
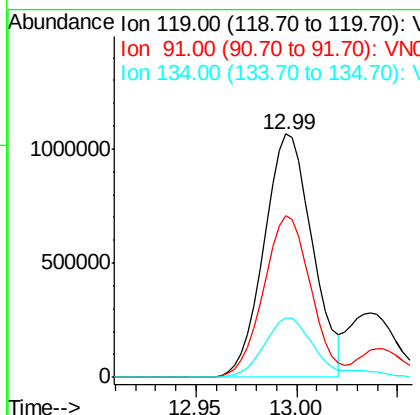
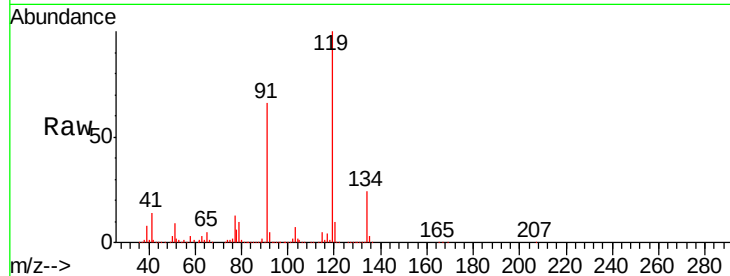
#79
tert-butylbenzene
Concen: 50.10 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052457.D
Acq: 26 Nov 2018 13:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion	Ratio	Lower	Upper
119	100		
91	64.9	0.0	129.8
134	24.8	0.0	52.2

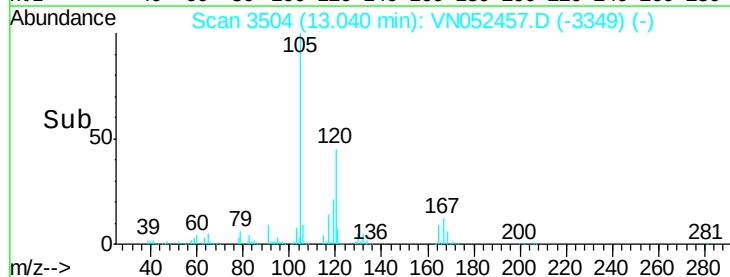
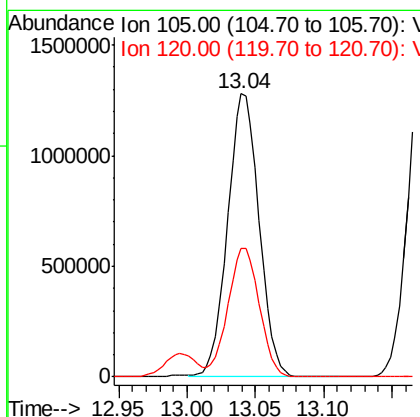
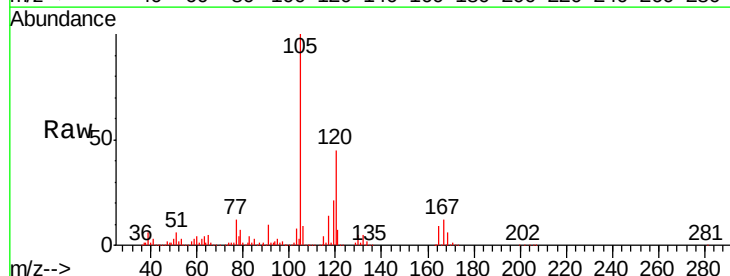
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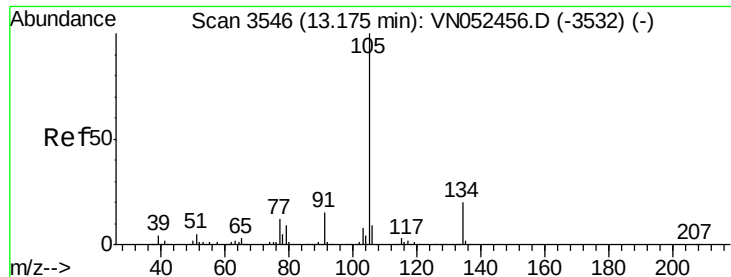
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#80
1,2,4-Trimethylbenzene
Concen: 50.34 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052457.D
Acq: 26 Nov 2018 13:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	0.0	91.0





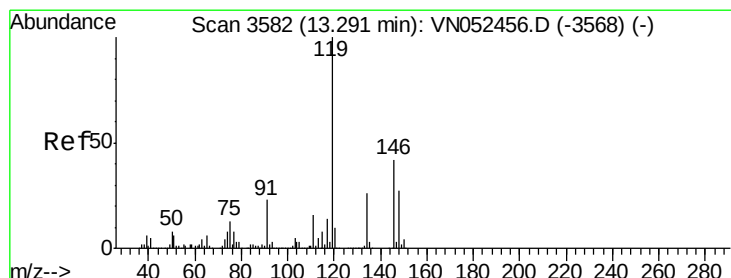
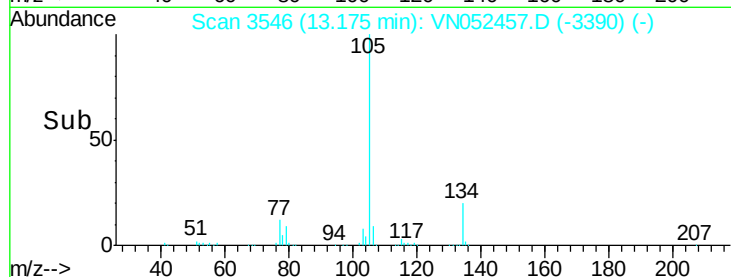
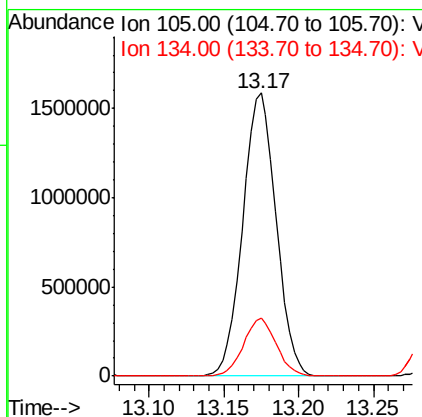
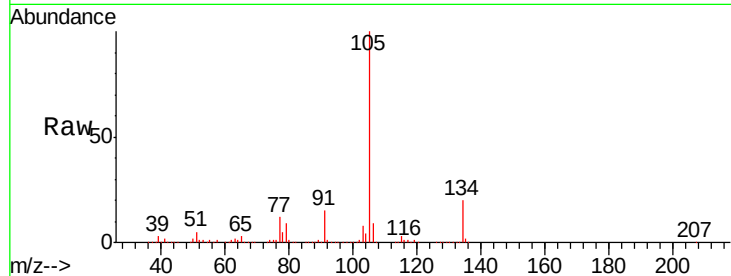
#81
 sec-Butylbenzene
 Concen: 49.97 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN052457.D
 Acq: 26 Nov 2018 13:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion:105 Resp: 2463669
 Ion Ratio Lower Upper
 105 100
 134 20.0 0.0 40.4

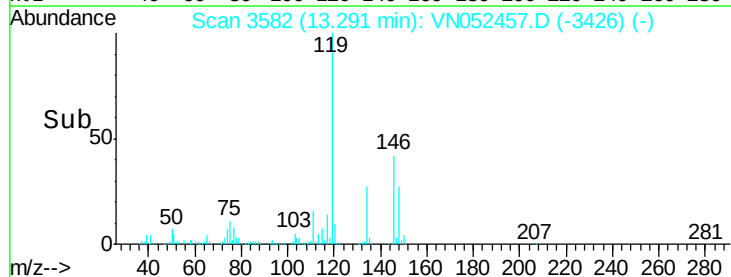
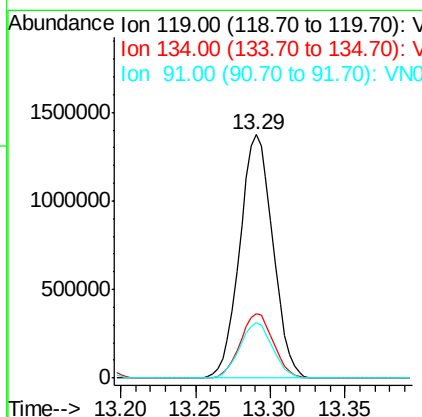
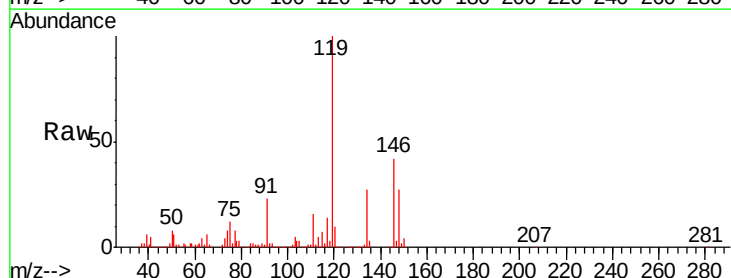
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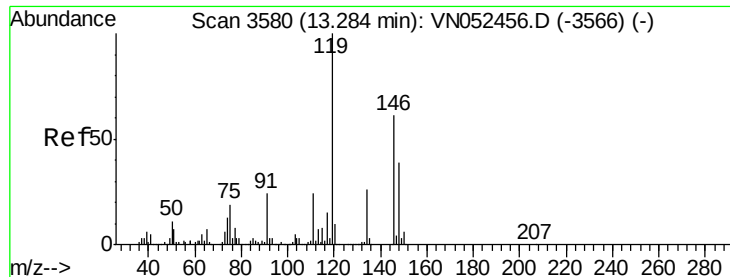
MMDadoda
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#82
 p-Isopropyltoluene
 Concen: 50.35 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052457.D
 Acq: 26 Nov 2018 13:46

Tgt Ion:119 Resp: 2113935
 Ion Ratio Lower Upper
 119 100
 134 26.5 0.0 52.6
 91 22.7 0.0 46.2





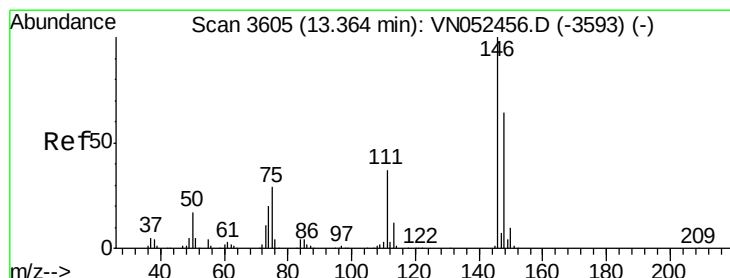
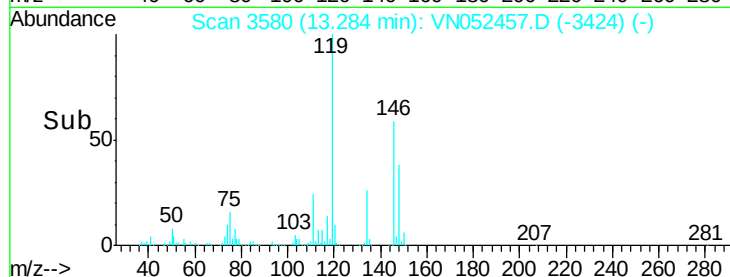
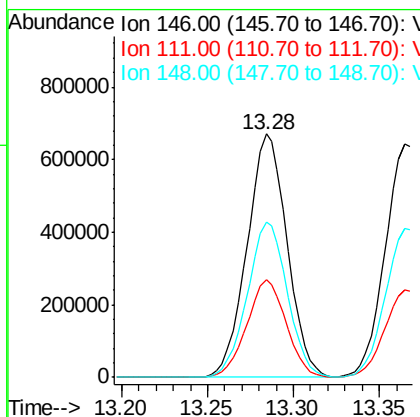
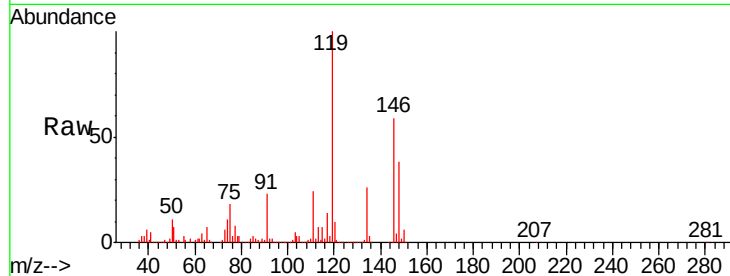
#83
1,3-Dichlorobenzene
Concen: 50.51 ug/l
RT: 13.28 min Scan# 3580
Delta R.T. 0.00 min
Lab File: VN052457.D
Acq: 26 Nov 2018 13:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:146 Resp: 1081242
Ion Ratio Lower Upper
146 100
111 39.4 19.7 59.0
148 63.5 32.3 96.8

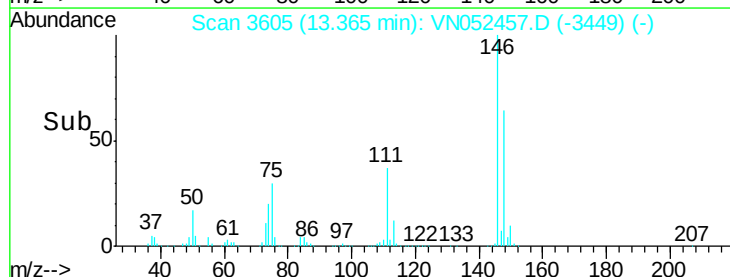
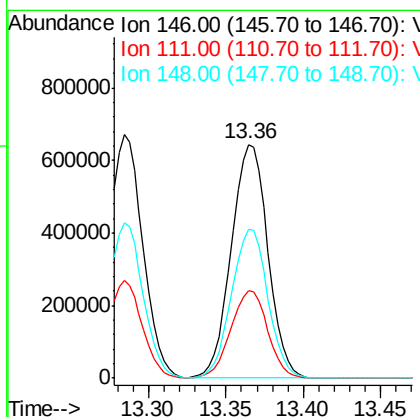
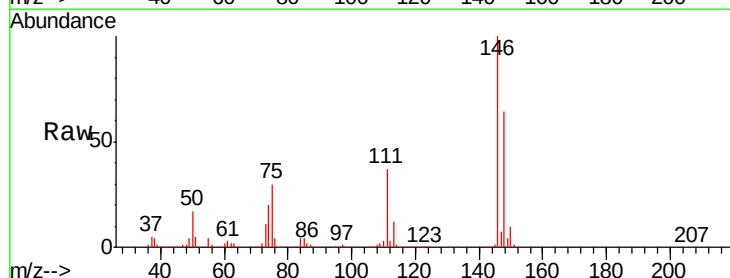
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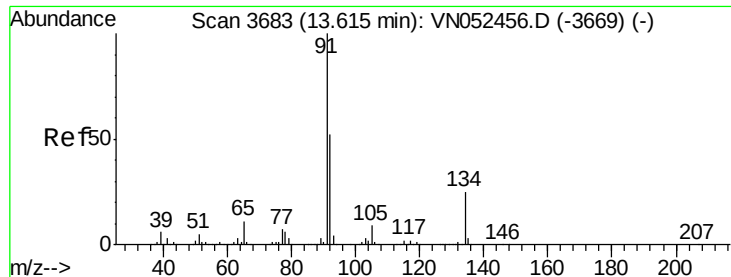
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#84
1,4-Dichlorobenzene
Concen: 50.94 ug/l
RT: 13.36 min Scan# 3605
Delta R.T. 0.00 min
Lab File: VN052457.D
Acq: 26 Nov 2018 13:46

Tgt Ion:146 Resp: 1053594
Ion Ratio Lower Upper
146 100
111 37.6 18.8 56.3
148 63.5 32.5 97.4





#85

n-Butylbenzene

Concen: 50.37 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052457.D

Acq: 26 Nov 2018 13:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 91 Resp: 1816571

Ion Ratio Lower Upper

91 100

92 52.7 0.0 104.2

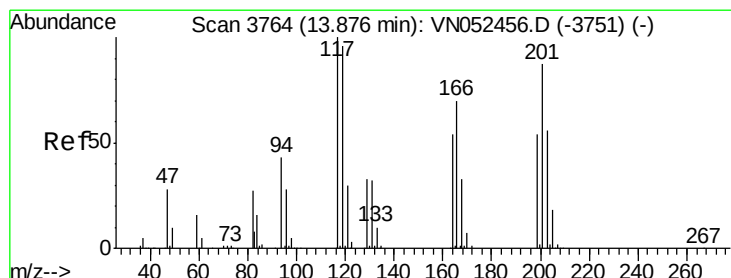
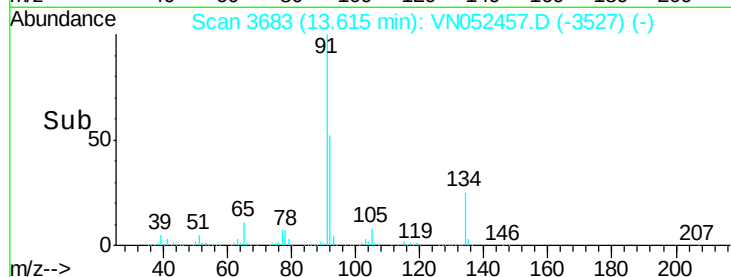
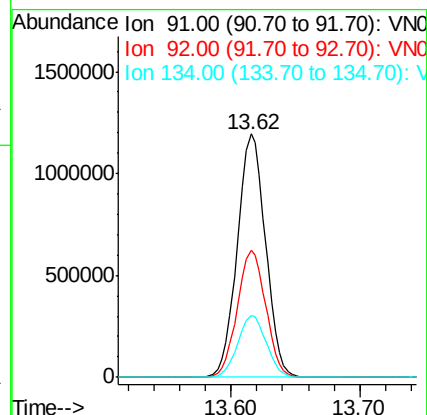
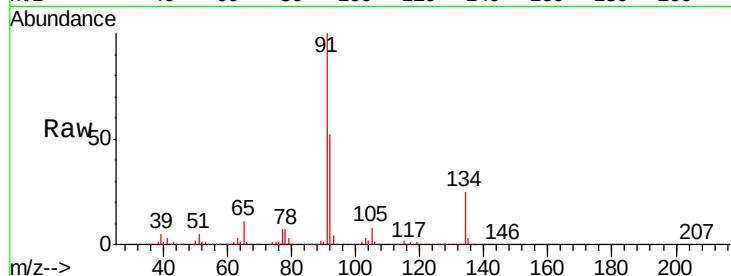
134 25.6 0.0 50.6

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#86

Hexachloroethane

Concen: 49.79 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052457.D

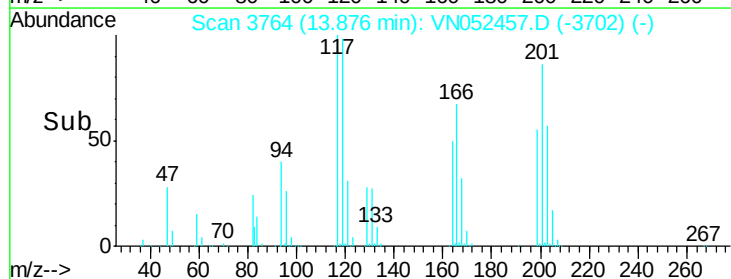
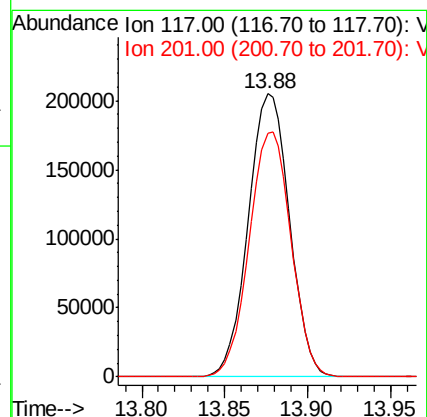
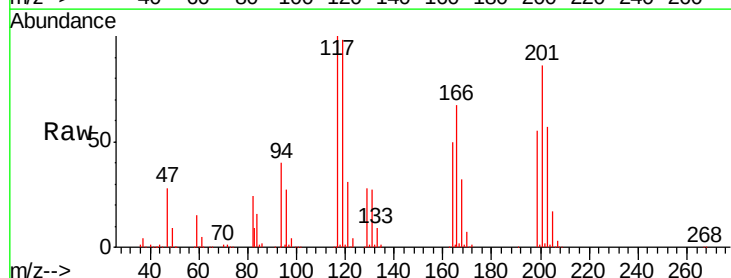
Acq: 26 Nov 2018 13:46

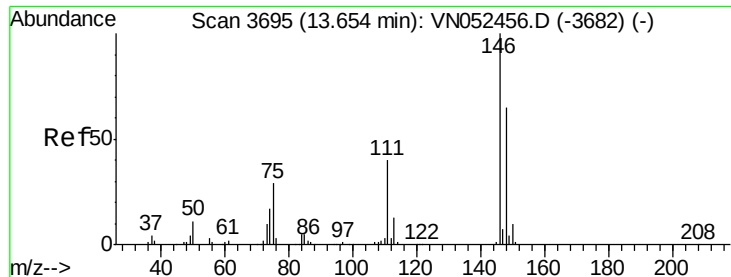
Tgt Ion: 117 Resp: 354192

Ion Ratio Lower Upper

117 100

201 87.8 43.8 131.3





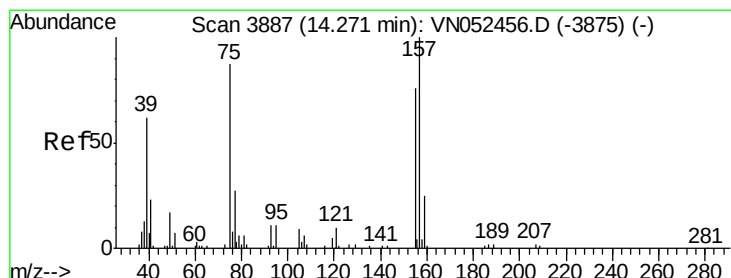
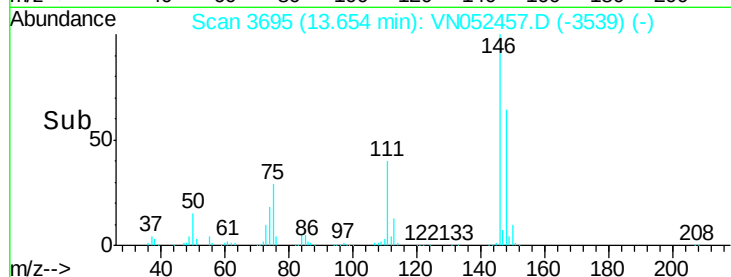
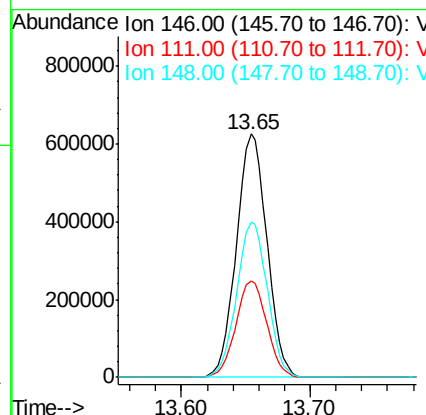
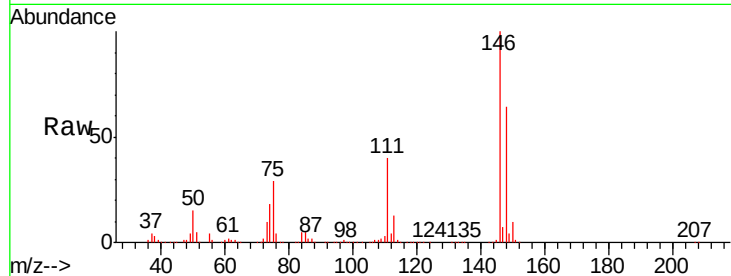
#87
 1,2-Dichlorobenzene
 Concen: 50.53 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052457.D
 Acq: 26 Nov 2018 13:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion: 146 Resp: 1029389
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.3 60.8
 148 64.1 32.1 96.5

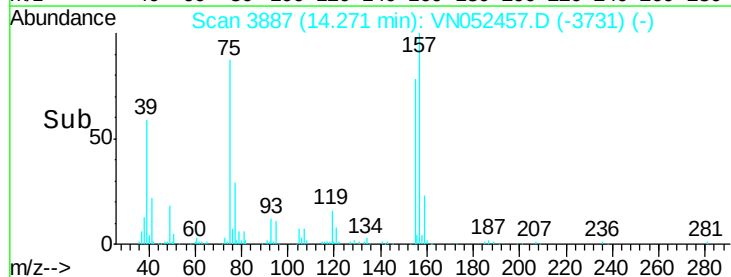
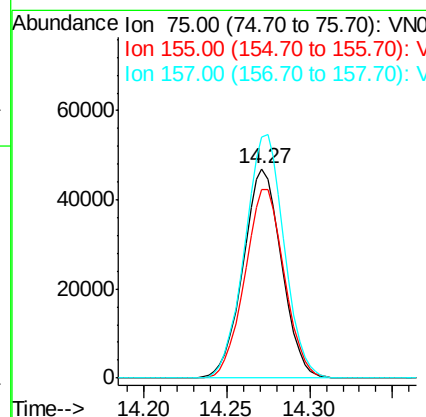
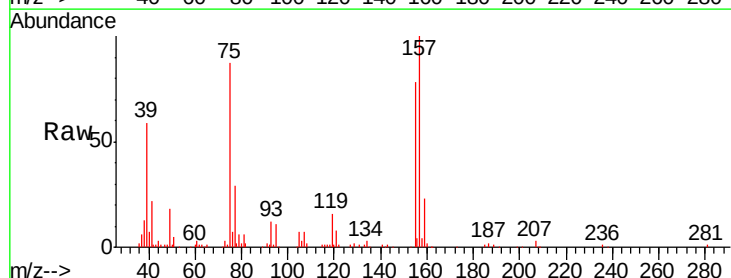
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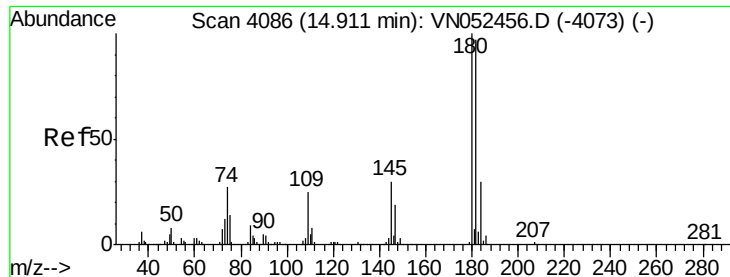
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 49.72 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052457.D
 Acq: 26 Nov 2018 13:46

Tgt Ion: 75 Resp: 76246
 Ion Ratio Lower Upper
 75 100
 155 91.9 72.2 108.2
 157 118.3 94.2 141.2





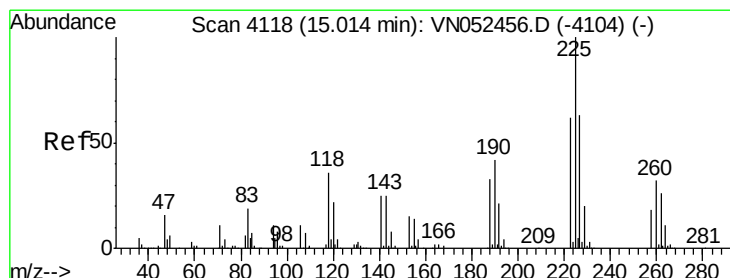
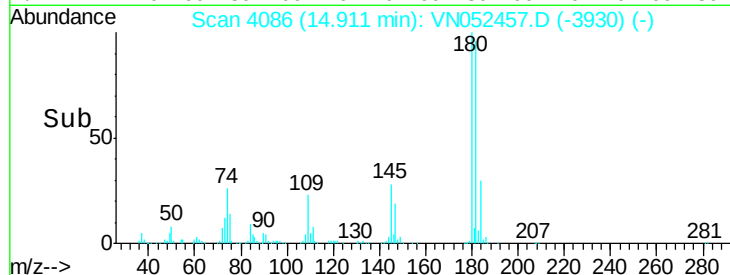
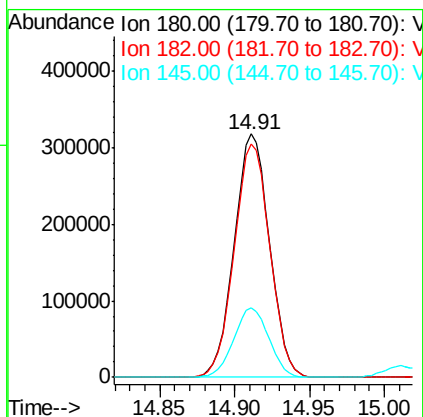
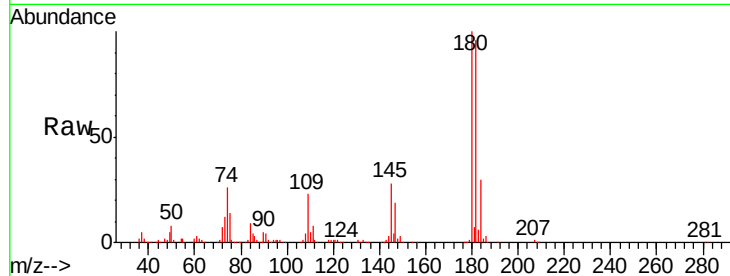
#89
 1,2,4-Trichlorobenzene
 Concen: 52.02 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052457.D
 Acq: 26 Nov 2018 13:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	522120		
182	96.7	76.6	114.8	
145	28.5	23.6	35.4	

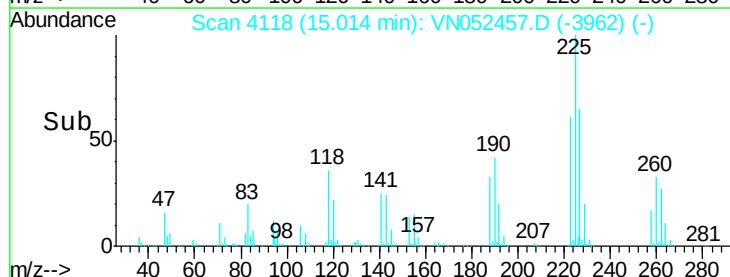
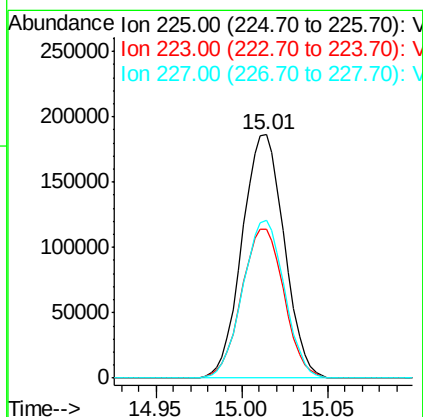
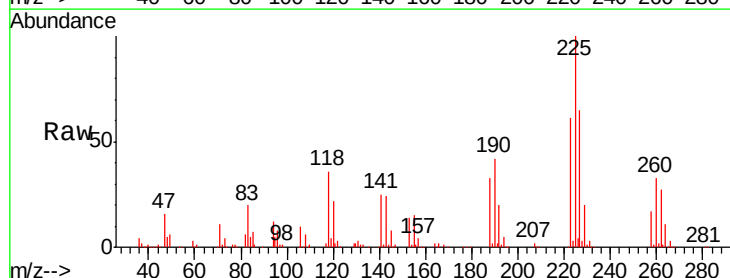
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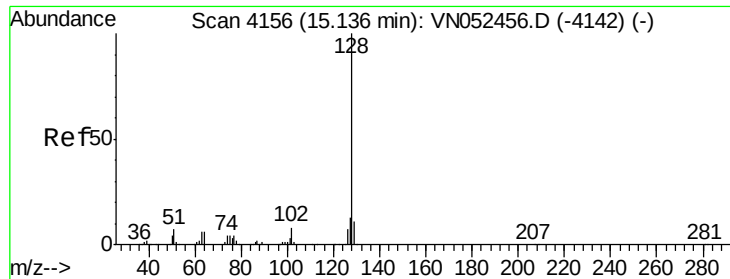
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 11/27/2018 3:52:10 PM



#90
 Hexachlorobutadiene
 Concen: 48.08 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN052457.D
 Acq: 26 Nov 2018 13:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	316542		
223	61.6	0.0	125.6	
227	64.0	0.0	127.8	





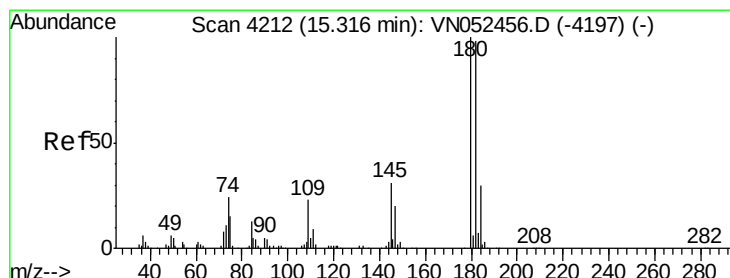
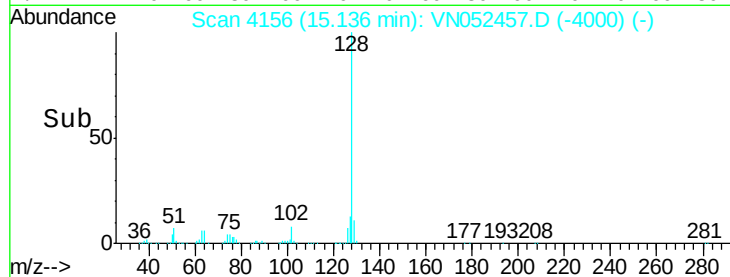
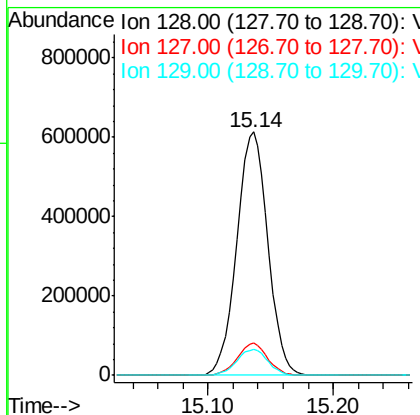
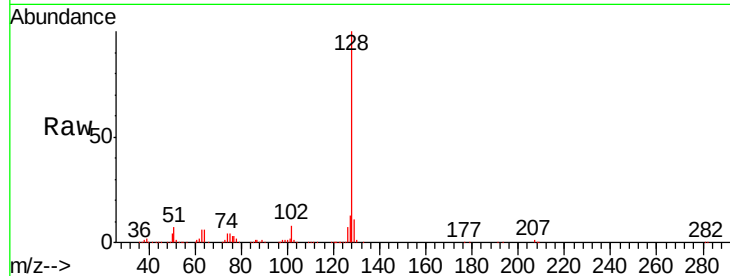
#91
Naphthalene
Concen: 52.14 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN052457.D
Acq: 26 Nov 2018 13:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	9.9	14.9
129	10.7	8.5	12.7

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#92
1,2,3-Trichlorobenzene
Concen: 51.29 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052457.D
Acq: 26 Nov 2018 13:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	0.0	196.2
145	30.5	0.0	62.2

