

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121718\
 Data File : VN052944.D
 Acq On : 17 Dec 2018 23:38
 Operator : MD\SY
 Sample : VN1217MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 33 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217MBS01

Manual Integrations
 APPROVED

MMDadoda
 12/18/2018 1:33:54 PM

Quant Time: Dec 18 06:41:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1143056	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1765189	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1583329	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	703211	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	585475	48.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.34%	
35) Dibromofluoromethane	7.59	113	357985	36.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.66%	
50) Toluene-d8	10.09	98	2103133	49.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.46%	
62) 4-Bromofluorobenzene	12.40	95	721335	49.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.66%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	217718	18.503	ug/l	100
3) Chloromethane	2.06	50	267902	18.970	ug/l	99
4) Vinyl Chloride	2.19	62	269550	19.078	ug/l	99
5) Bromomethane	2.58	94	172445	19.789	ug/l	99
6) Chloroethane	2.71	64	159013	19.041	ug/l	99
7) Trichlorofluoromethane	3.03	101	333558	19.042	ug/l	99
8) Diethyl Ether	3.41	74	127959	20.026	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.77	101	200529	18.472	ug/l	98
10) Methyl Iodide	3.96	142	287975	18.942	ug/l	99
11) Tert butyl alcohol	4.77	59	72218	106.342	ug/l	100
12) 1,1-Dichloroethene	3.74	96	202525	19.271	ug/l	97
13) Acrolein	3.61	56	55317	86.516	ug/l	99
14) Allyl chloride	4.33	41	311985	18.175	ug/l	97
15) Acrylonitrile	4.99	53	387574	101.729	ug/l	99
16) Acetone	3.82	43	246655	90.360	ug/l	95
17) Carbon Disulfide	4.06	76	590836	18.301	ug/l	99
18) Methyl Acetate	4.32	43	208706	20.833	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	573980	20.118	ug/l	98
20) Methylene Chloride	4.56	84	234304	19.074	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	214042	18.799	ug/l	99
22) Diisopropyl ether	5.95	45	712581	19.459	ug/l	97
23) Vinyl Acetate	5.90	43	2056256	94.367	ug/l	99
24) 1,1-Dichloroethane	5.85	63	407037	19.275	ug/l	99
25) 2-Butanone	6.83	43	407270	96.156	ug/l	96
26) 2,2-Dichloropropane	6.83	77	265818	17.093	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	249202	19.285	ug/l	99
28) Bromochloromethane	7.19	49	194514	20.513	ug/l	96
29) Tetrahydrofuran	7.21	42	286263	99.001	ug/l	99
30) Chloroform	7.37	83	399335	19.392	ug/l	98
31) Cyclohexane	7.66	56	382817	18.218	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	334400	19.408	ug/l	100
36) 1,1-Dichloropropene	7.79	75	305176	18.774	ug/l	99
37) Ethyl Acetate	6.93	43	195083	19.978	ug/l	99
38) Carbon Tetrachloride	7.77	117	281508	18.815	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	362239	18.159	ug/l	98
40) Benzene	8.04	78	942583	19.320	ug/l	99
41) Methacrylonitrile	7.18	41	109978	20.327	ug/l	93
42) 1,2-Dichloroethane	8.12	62	279799	19.050	ug/l	99
43) Isopropyl Acetate	8.16	43	395090	19.734	ug/l	97
44) Trichloroethene	8.84	130	269857	20.478	ug/l	96
45) 1,2-Dichloropropane	9.12	63	249513	19.526	ug/l	99
46) Dibromomethane	9.21	93	145960	19.695	ug/l	98
47) Bromodichloromethane	9.40	83	305431	19.875	ug/l	99
48) Methyl methacrylate	9.20	41	180862	20.599	ug/l	99
49) 1,4-Dioxane	9.20	88	42572	427.168	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	947591	103.218	ug/l	99
52) Toluene	10.16	92	583325	19.741	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	315582	20.407	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	358810	19.471	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	211668	20.067	ug/l	98
56) Ethyl methacrylate	10.43	69	287470	21.236	ug/l	98
57) 1,3-Dichloropropane	10.71	76	360313	19.920	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	787661	104.282	ug/l	98
59) 2-Hexanone	10.75	43	642816	102.172	ug/l	99
60) Dibromochloromethane	10.90	129	229181	20.104	ug/l	98
61) 1,2-Dibromoethane	11.01	107	213210	20.449	ug/l	99
64) Tetrachloroethene	10.63	164	315690	23.198	ug/l	98
65) Chlorobenzene	11.43	112	648812	19.752	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	225045	19.699	ug/l	99
67) Ethyl Benzene	11.51	91	1113122	19.732	ug/l	100
68) m/p-Xylenes	11.62	106	846376	39.958	ug/l	99
69) o-Xylene	11.95	106	415261	20.077	ug/l	99
70) Styrene	11.96	104	676855	20.357	ug/l	99
71) Bromoform	12.13	173	157677	20.316	ug/l #	100
73) Isopropylbenzene	12.25	105	1093612	20.829	ug/l	100
74) N-amyl acetate	12.07	43	327393	22.713	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	227728	19.353	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	214125m	20.638	ug/l	
77) Bromobenzene	12.53	156	280581	21.011	ug/l	98
78) n-propylbenzene	12.59	91	1225658	20.468	ug/l	100
79) 2-Chlorotoluene	12.68	91	721264	20.374	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	867306	20.463	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	69330	21.467	ug/l	98
82) 4-Chlorotoluene	12.77	91	723396	19.986	ug/l	99
83) tert-Butylbenzene	12.99	119	770661	20.612	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	866479	20.194	ug/l	99
85) sec-Butylbenzene	13.17	105	1029173	20.326	ug/l	100
86) p-Isopropyltoluene	13.29	119	873601	19.914	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	466264	19.648	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	461188	19.624	ug/l	99
89) n-Butylbenzene	13.62	91	708779	19.193	ug/l	100
90) Hexachloroethane	13.88	117	128285	17.464	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	438578	19.212	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	35480	20.003	ug/l	100

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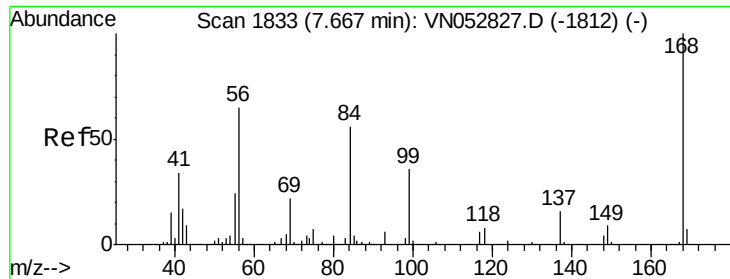
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	224593	18.099	ug/l	98
94) Hexachlorobutadiene	15.01	225	129805	18.072	ug/l	99
95) Naphthalene	15.13	128	499053	19.418	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	208722	18.331	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Instrument :

MSVOA_N

ClientSampleId :

VN1217MBS01

Tgt Ion:168 Resp: 1143056

Ion Ratio Lower Upper

168 100

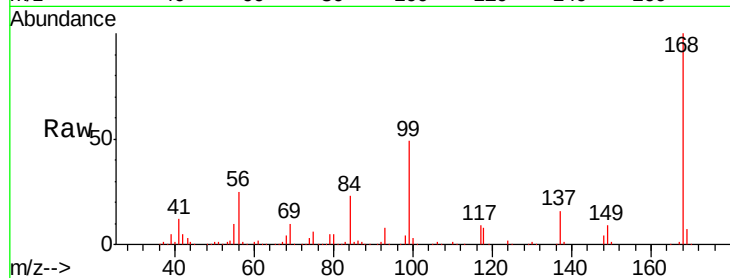
99 49.0 40.2 60.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

500000

400000

300000

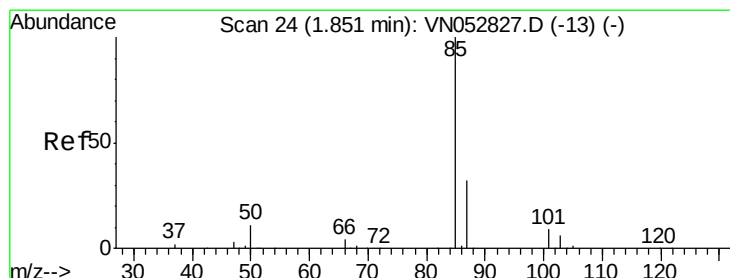
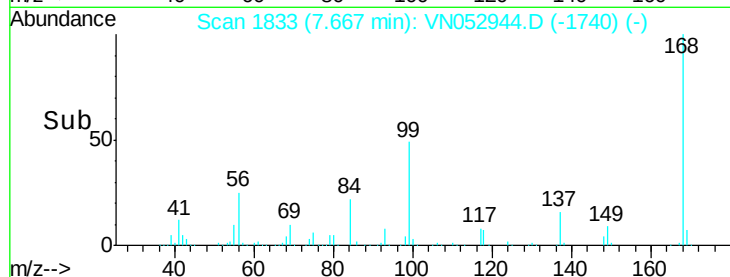
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.503 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052944.D

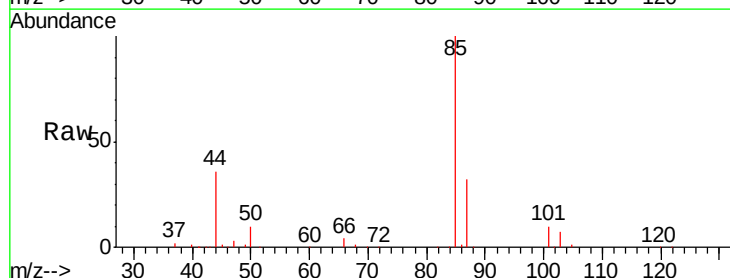
Acq: 17 Dec 2018 23:38

Tgt Ion: 85 Resp: 217718

Ion Ratio Lower Upper

85 100

87 32.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

150000

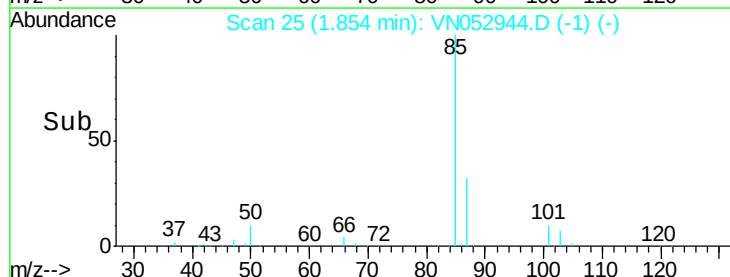
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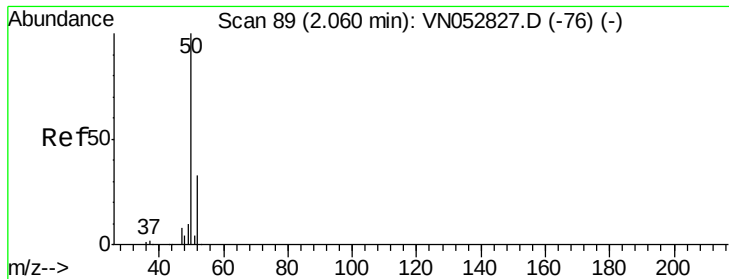
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.970 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Instrument :

MSVOA_N

ClientSampleId :

VN1217MBS01

Tgt Ion: 50 Resp: 267902

Ion Ratio Lower Upper

50 100

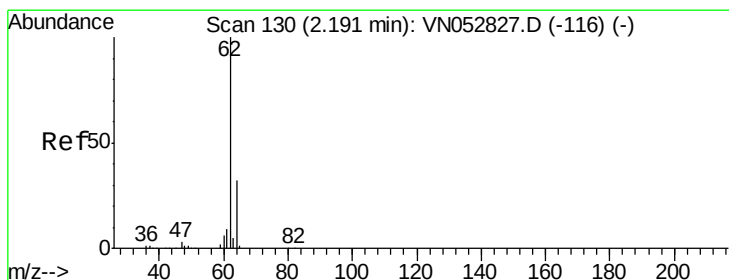
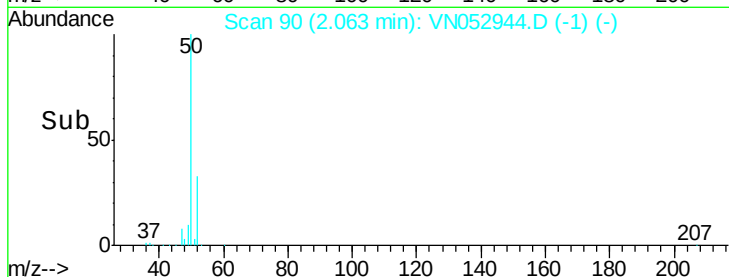
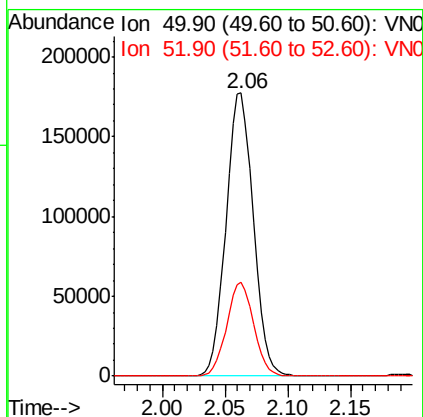
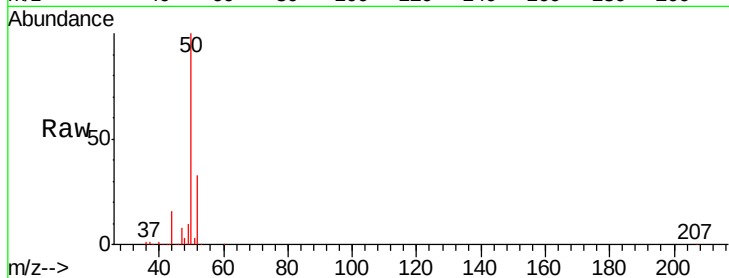
52 33.3 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.078 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052944.D

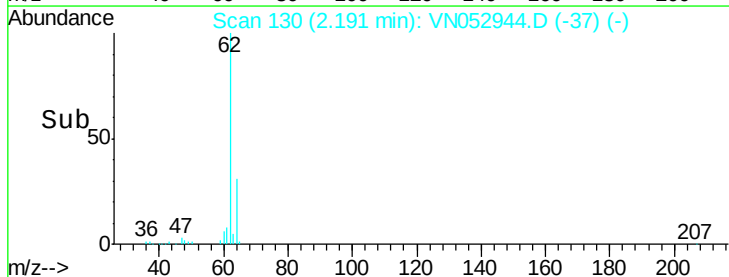
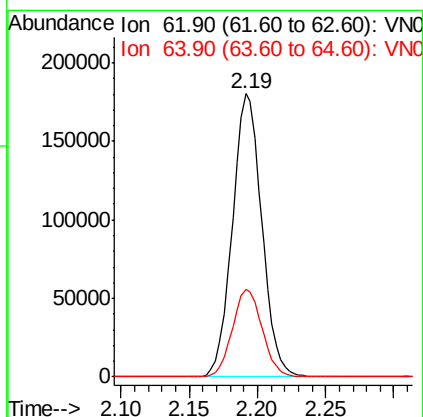
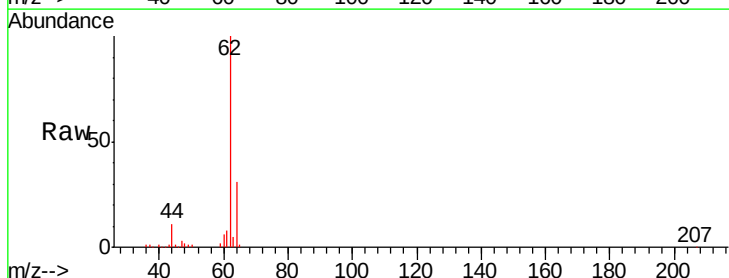
Acq: 17 Dec 2018 23:38

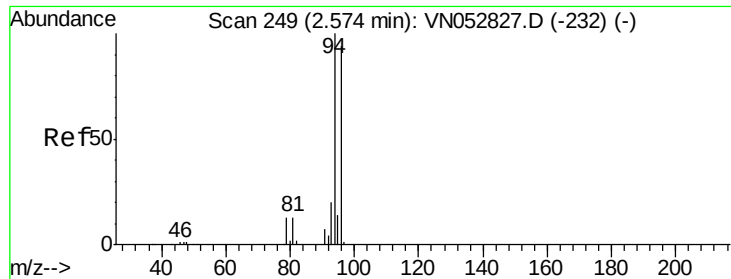
Tgt Ion: 62 Resp: 269550

Ion Ratio Lower Upper

62 100

64 31.1 25.5 38.3





#5

Bromomethane

Concen: 19.789 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Instrument :

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VN1217MBS01

Tgt Ion: 94 Resp: 172445

Ion Ratio Lower Upper

94 100

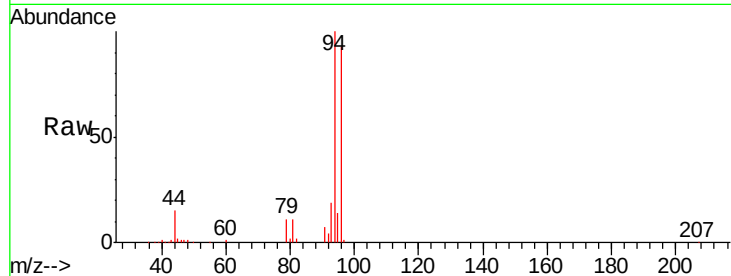
96 92.6 75.0 112.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.58

100000

80000

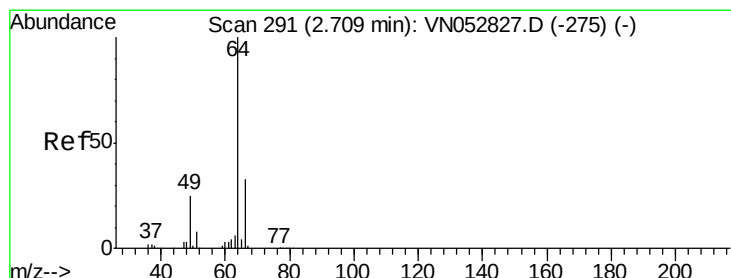
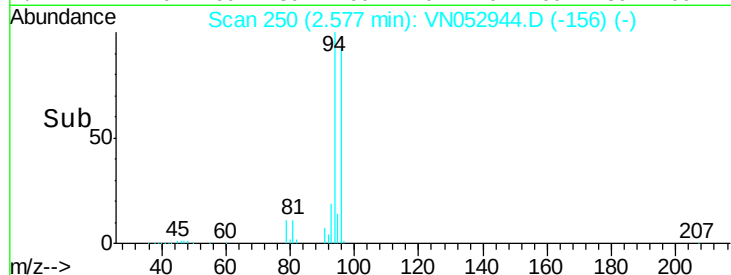
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 19.041 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052944.D

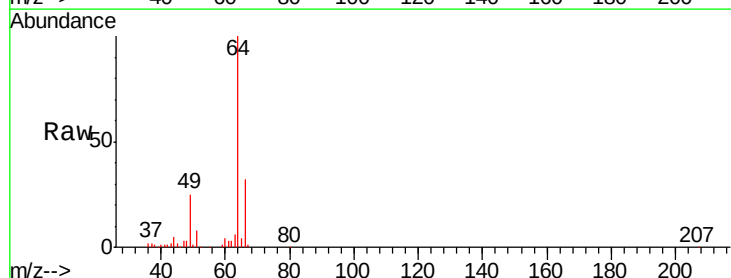
Acq: 17 Dec 2018 23:38

Tgt Ion: 64 Resp: 159013

Ion Ratio Lower Upper

64 100

66 32.1 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

80000

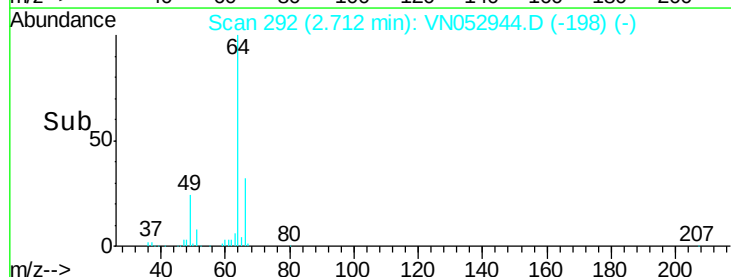
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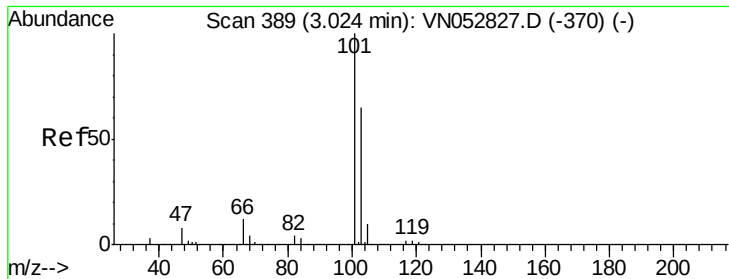
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20000

0

Time-->





#7

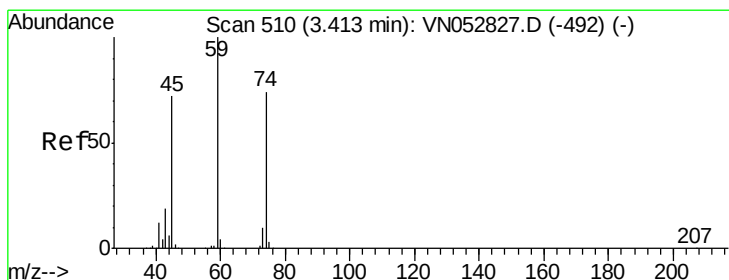
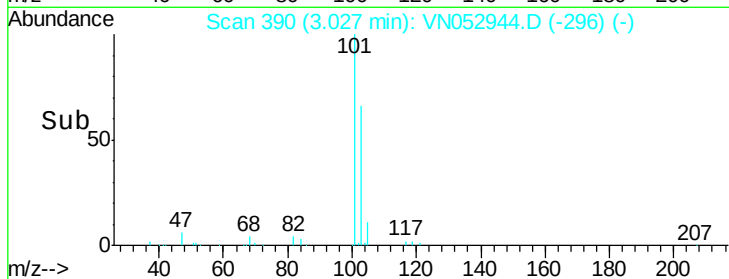
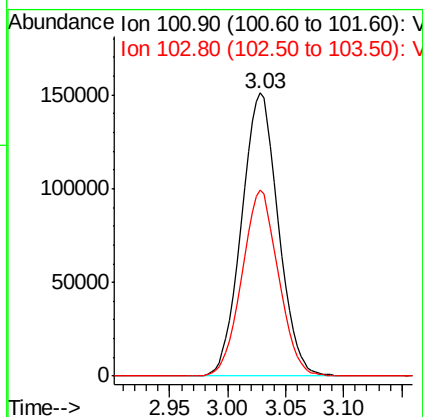
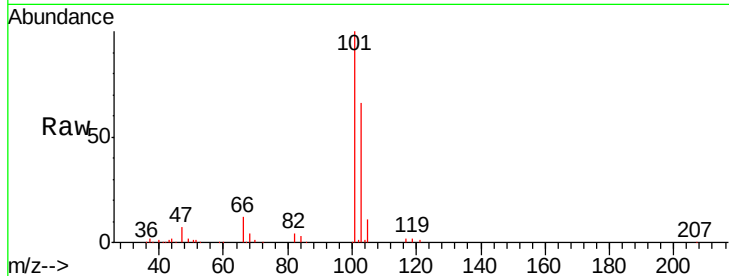
Trichlorofluoromethane
 Concen: 19.042 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN052944.D
 Acq: 17 Dec 2018 23:38

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 VN1217MBS01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.8	77.6

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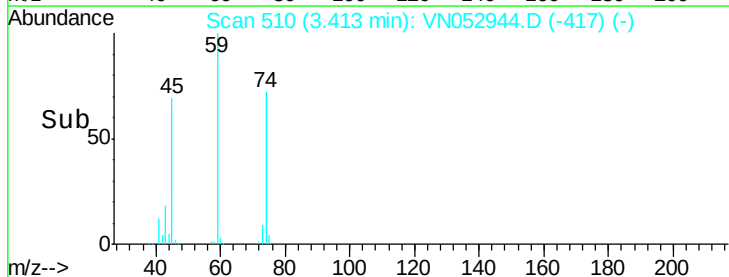
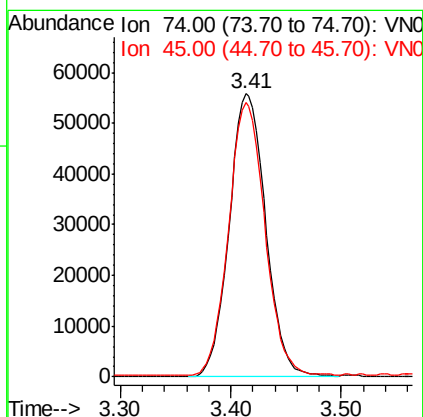
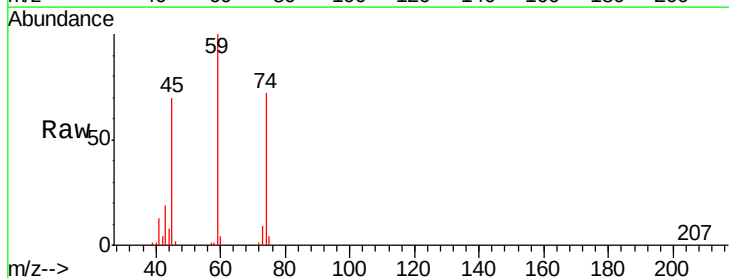
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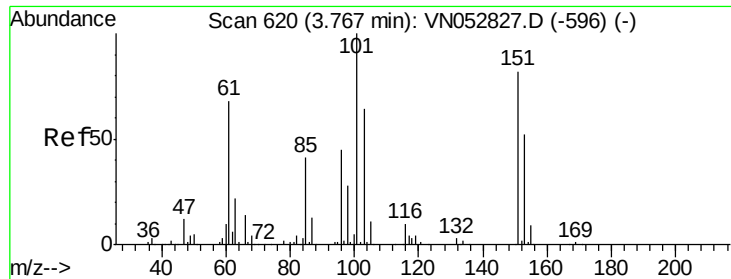


#8

Diethyl Ether
 Concen: 20.026 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052944.D
 Acq: 17 Dec 2018 23:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.1	49.4	148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.472 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Instrument :

MSVOA_N

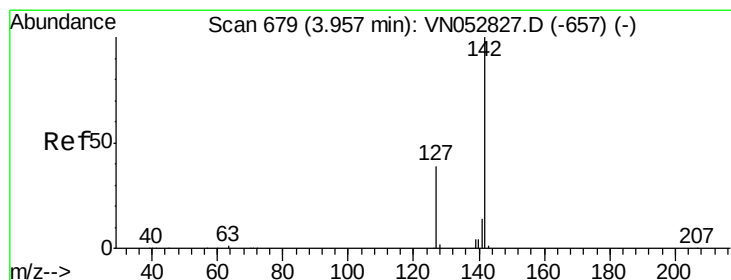
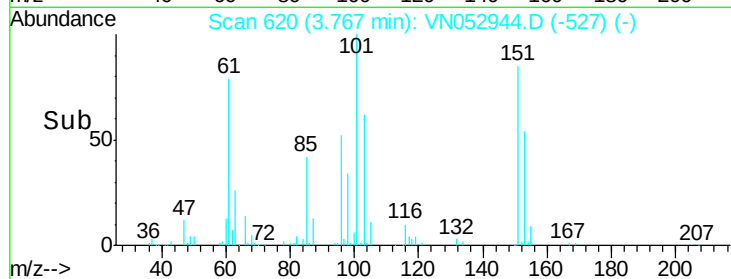
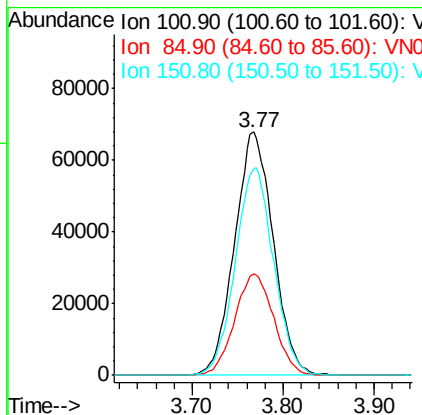
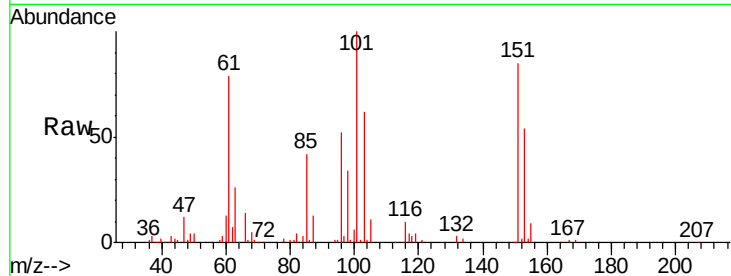
ClientSampleId :

VN1217MBS01

Tgt Ion:	101	Resp:	200529
Ion Ratio	Lower	Upper	
101	100		
85	42.0	33.6	50.4
151	85.0	65.5	98.3

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#10

Methyl Iodide

Concen: 18.942 ug/l

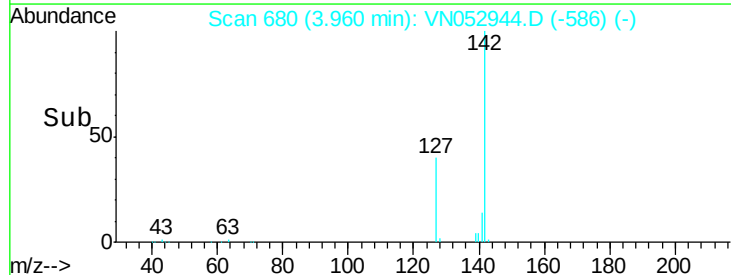
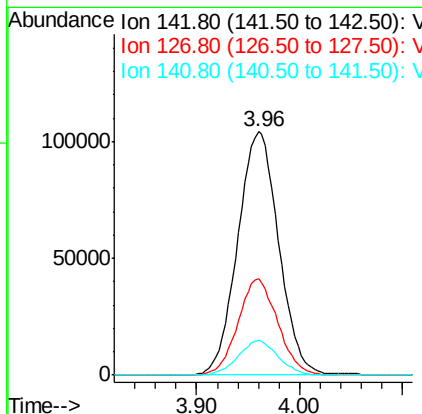
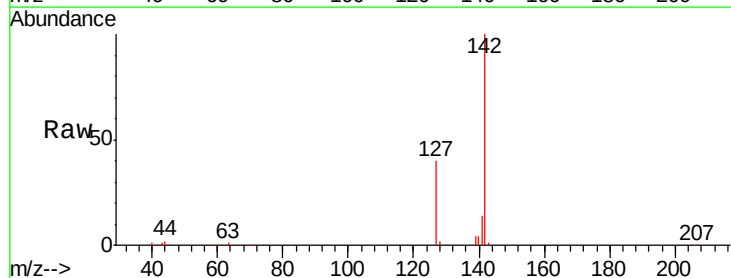
RT: 3.96 min Scan# 680

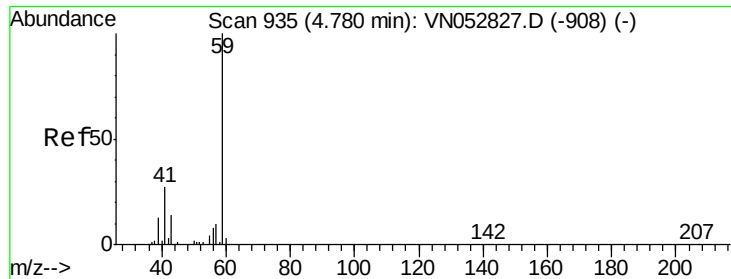
Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Tgt Ion:	142	Resp:	287975
Ion Ratio	Lower	Upper	
142	100		
127	38.2	31.0	46.6
141	13.9	11.2	16.8





#11

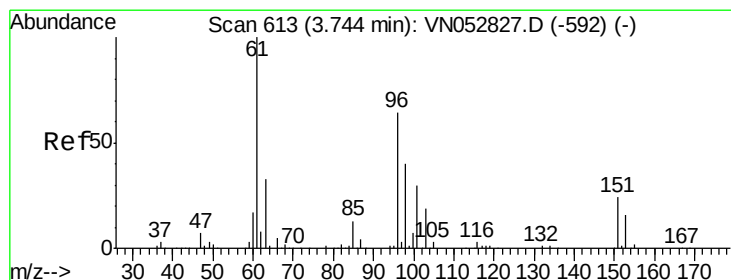
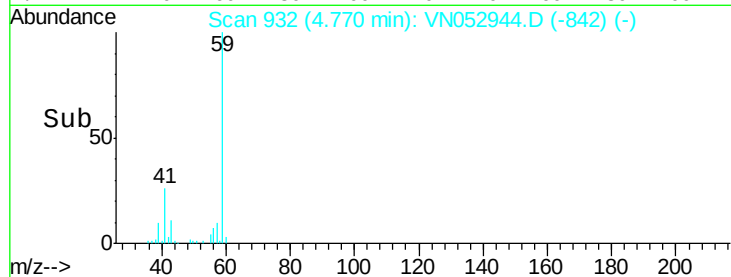
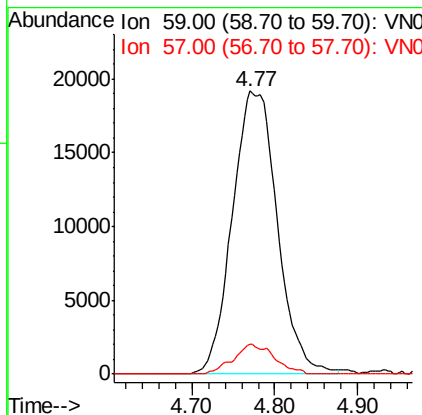
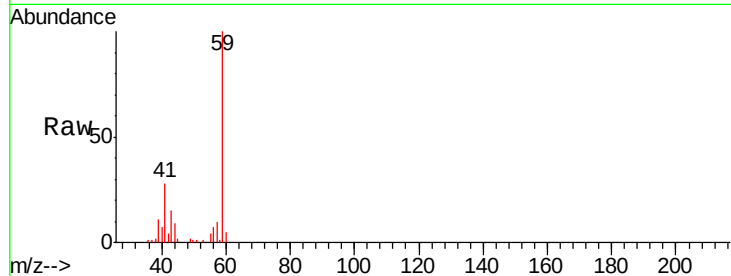
Tert butyl alcohol
Concen: 106.342 ug/l
RT: 4.77 min Scan# 932
Delta R.T. -0.01 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Instrument :
MSVOA_N
ClientSampleId :
VN1217MBS01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.7	7.7	11.5

Manual Integrations
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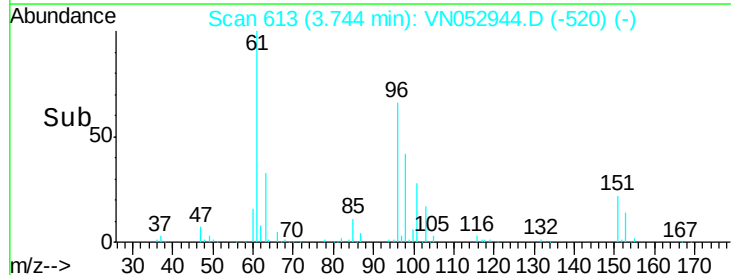
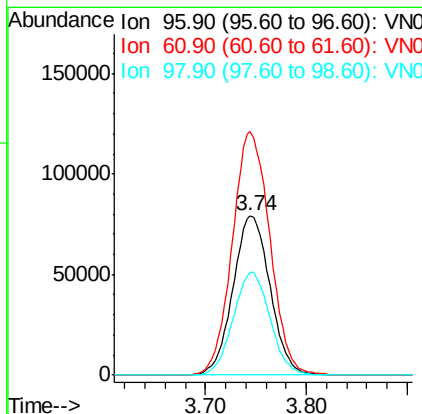
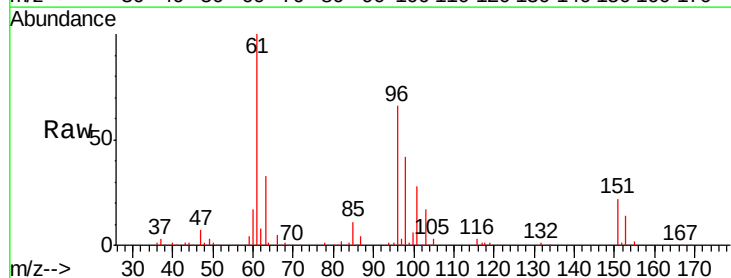
MMDadoda
12/18/2018 1:33:54 PM

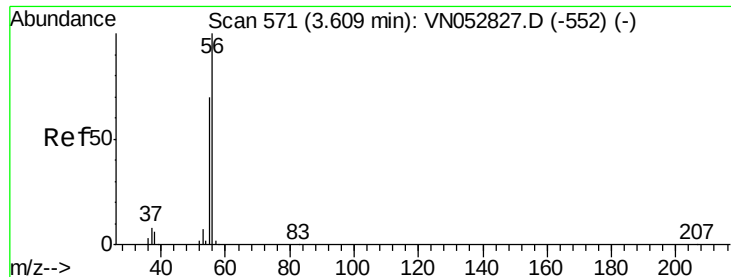


#12

1,1-Dichloroethene
Concen: 19.271 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.4	125.6	188.4
98	64.6	50.6	75.8





#13

Acrolein

Concen: 86.516 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Instrument :

MSVOA_N

ClientSampleId :

VN1217MBS01

Tgt Ion: 56 Resp: 55317

Ion Ratio Lower Upper

56 100

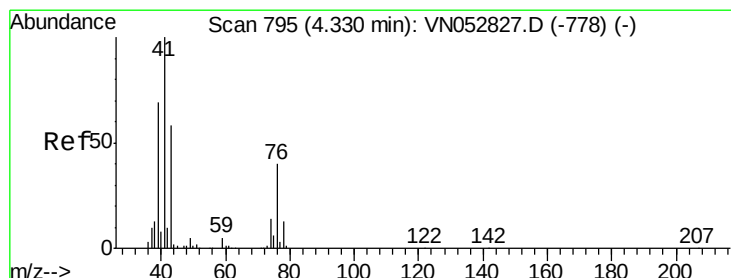
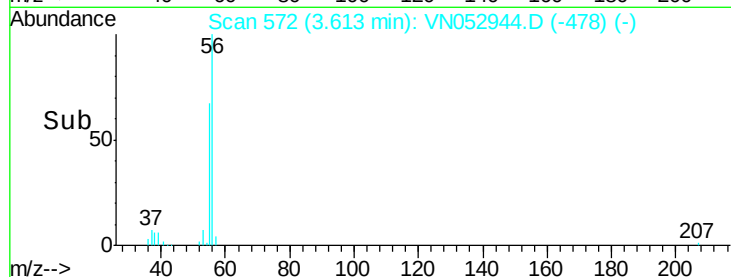
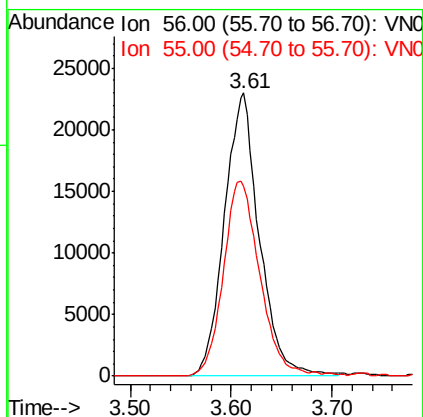
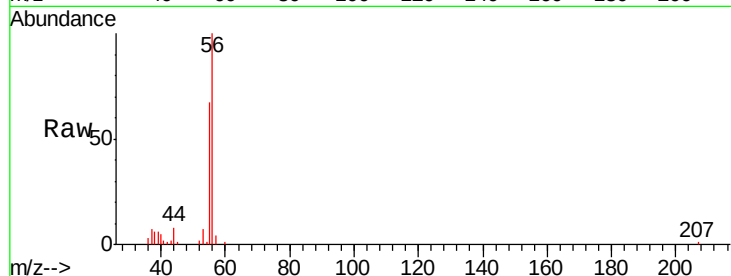
55 71.5 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 18.175 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

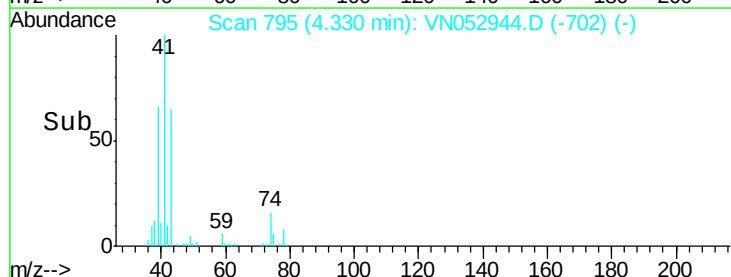
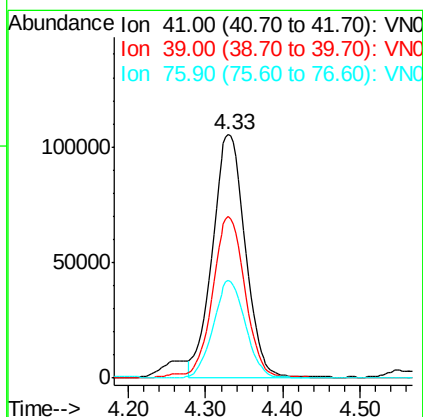
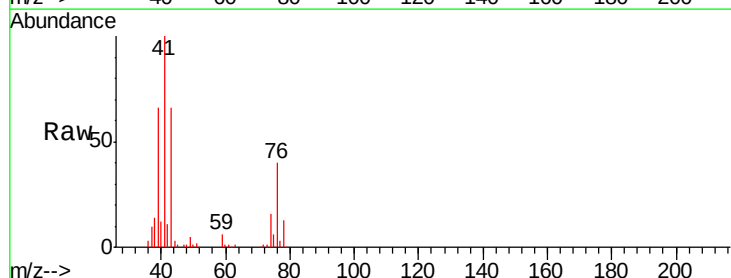
Tgt Ion: 41 Resp: 311985

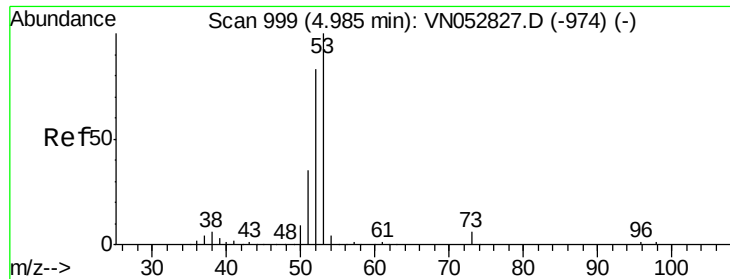
Ion Ratio Lower Upper

41 100

39 64.6 54.1 81.1

76 38.3 30.3 45.5





#15

Acrylonitrile

Concen: 101.729 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Instrument :

MSVOA_N

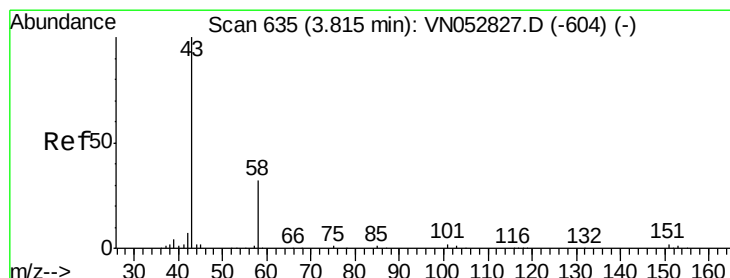
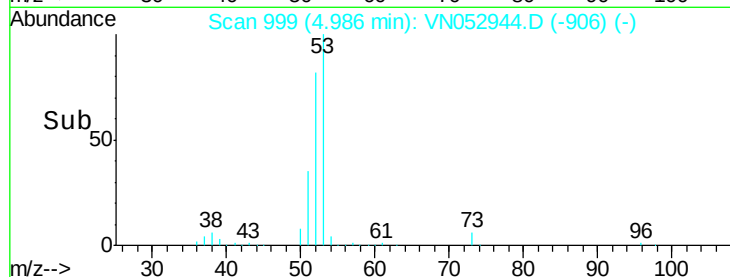
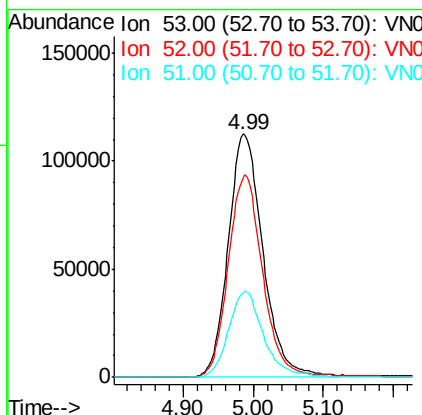
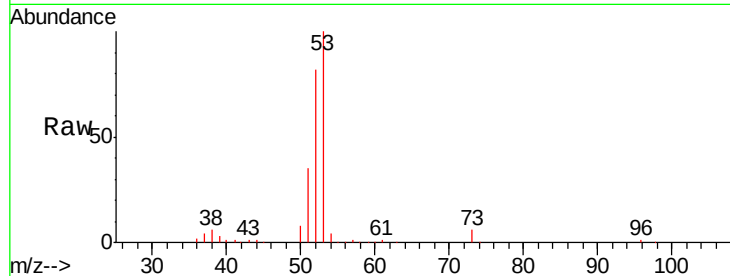
ClientSampleId :

VN1217MBS01

Tgt Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.1	97.7
51	35.5	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 90.360 ug/l

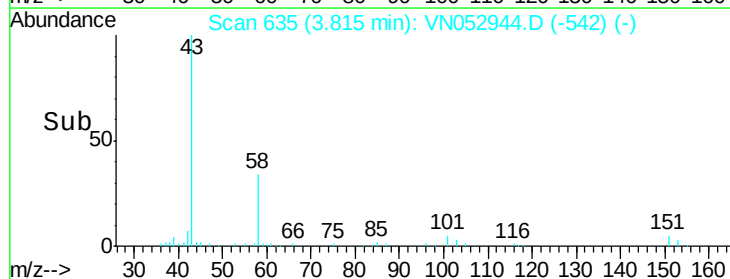
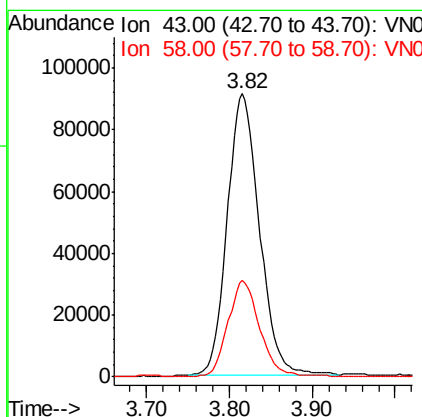
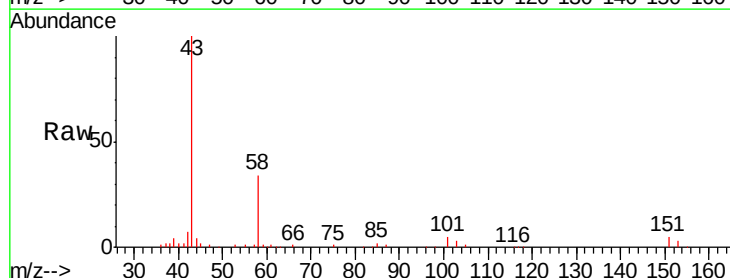
RT: 3.82 min Scan# 635

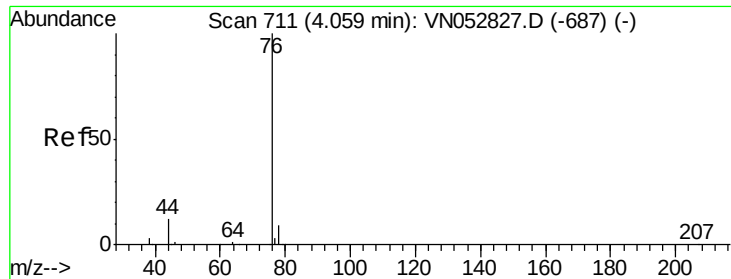
Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.4	25.4	38.0





#17

Carbon Disulfide

Concen: 18.301 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Instrument :

MSVOA_N

ClientSampleId :

VN1217MBS01

Tgt Ion: 76 Resp: 590836

Ion Ratio Lower Upper

76 100

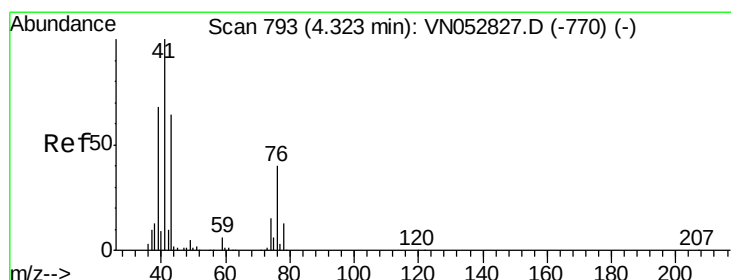
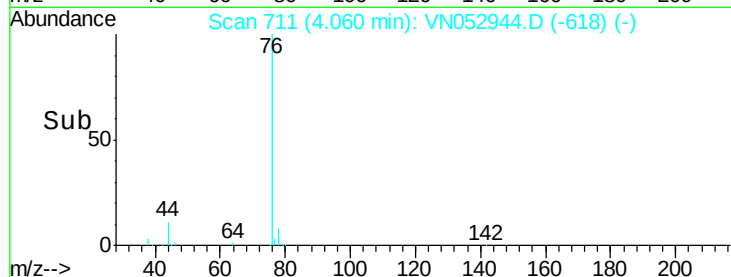
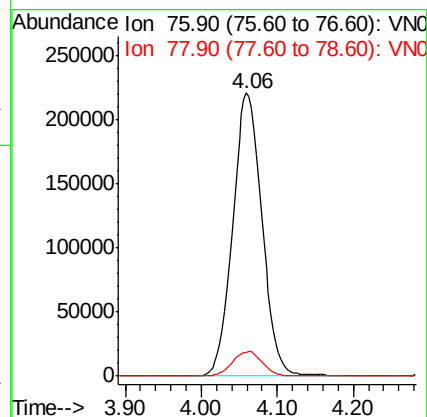
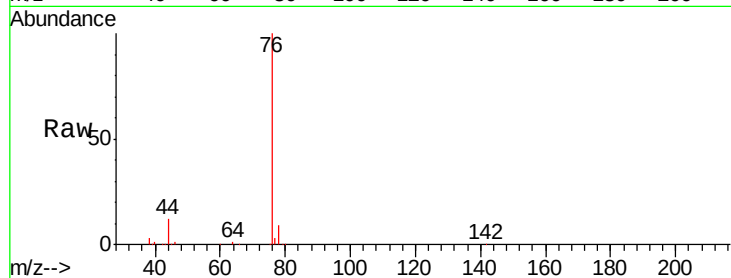
78 8.5 7.1 10.7

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#18

Methyl Acetate

Concen: 20.833 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN052944.D

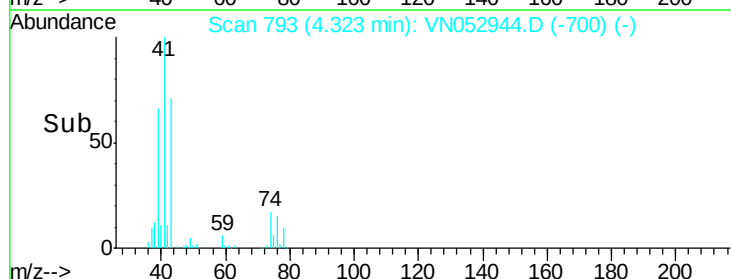
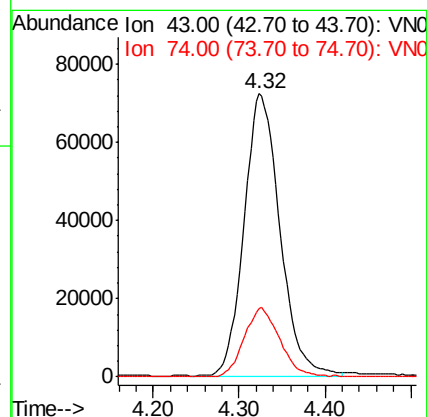
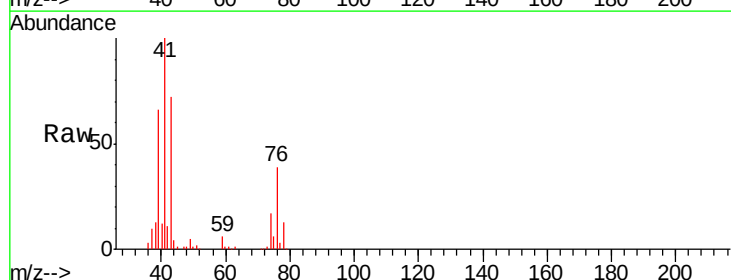
Acq: 17 Dec 2018 23:38

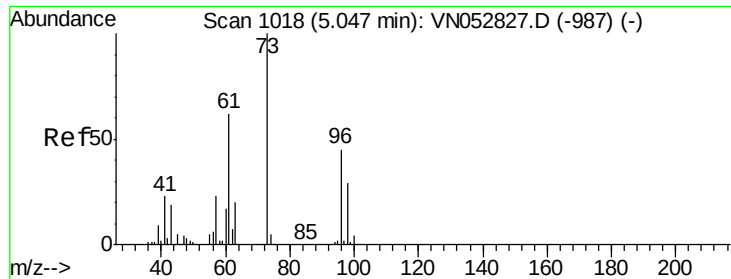
Tgt Ion: 43 Resp: 208706

Ion Ratio Lower Upper

43 100

74 24.5 19.2 28.8





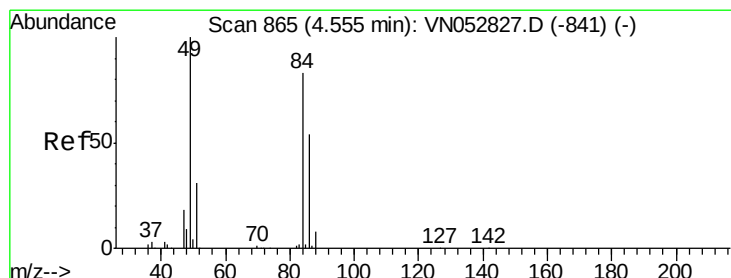
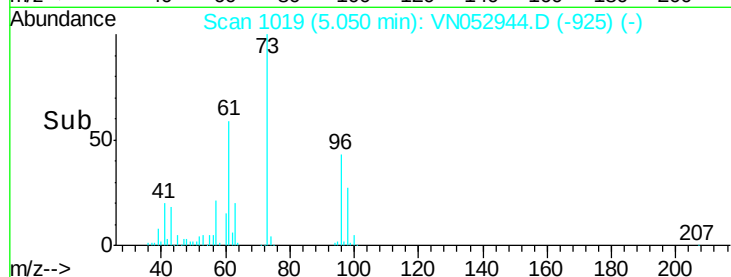
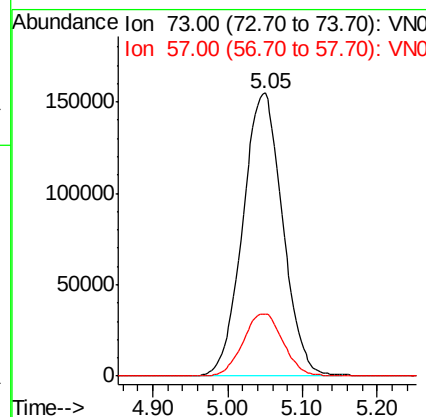
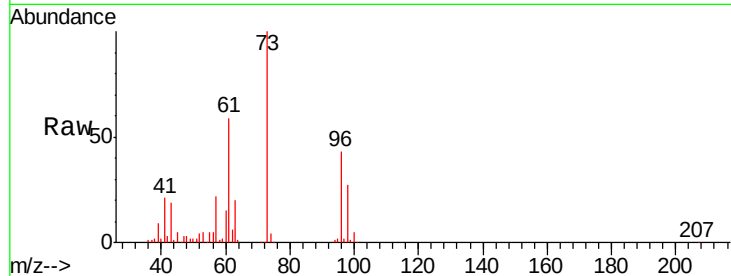
#19
Methyl tert-butyl Ether
Concen: 20.118 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Instrument :
MSVOA_N
ClientSampleId :
VN1217MBS01

Tgt Ion: 73 Resp: 573980
Ion Ratio Lower Upper
73 100
57 21.8 18.4 27.6

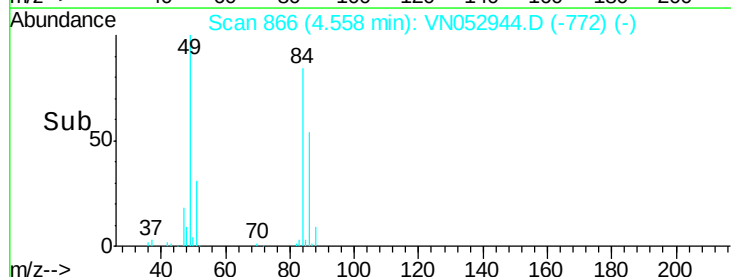
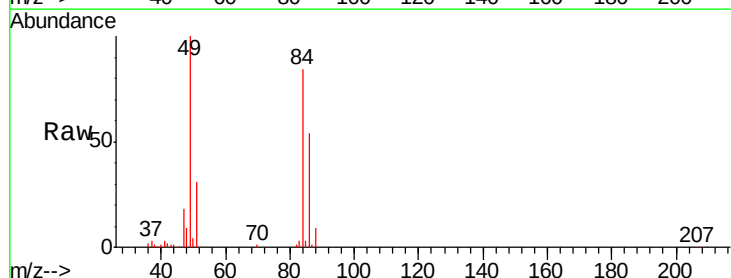
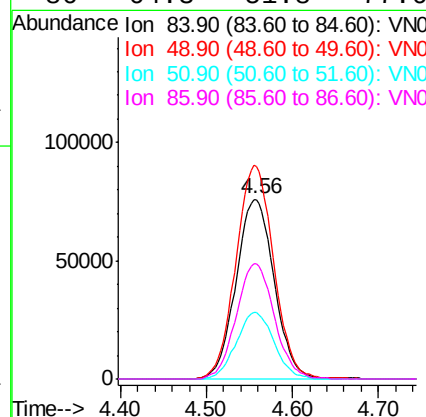
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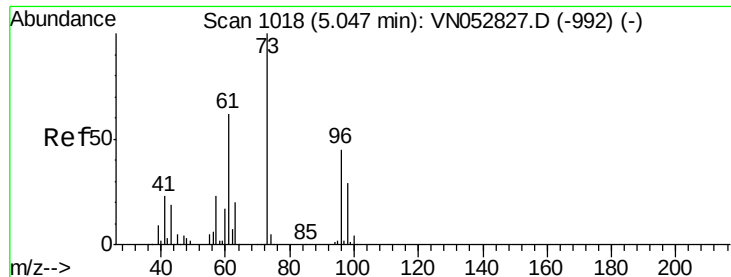
MMDadoda
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#20
Methylene Chloride
Concen: 19.074 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Tgt Ion: 84 Resp: 234304
Ion Ratio Lower Upper
84 100
49 118.3 96.8 145.2
51 37.0 29.9 44.9
86 64.3 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 18.799 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Instrument :

MSVOA_N

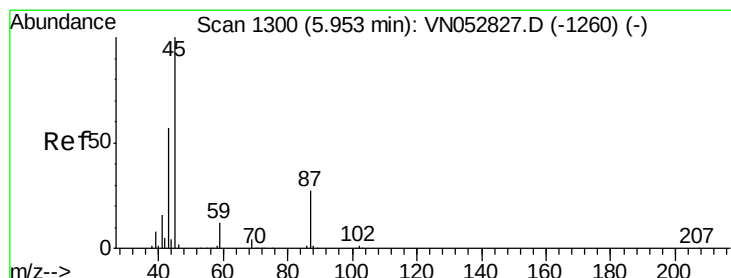
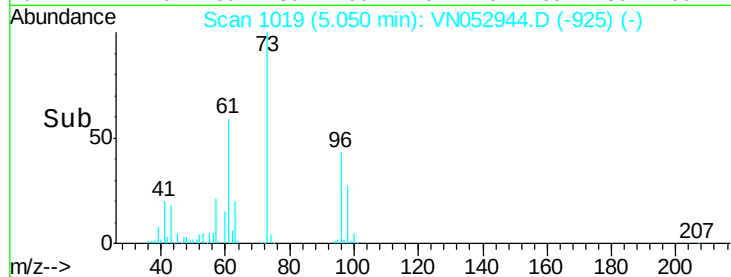
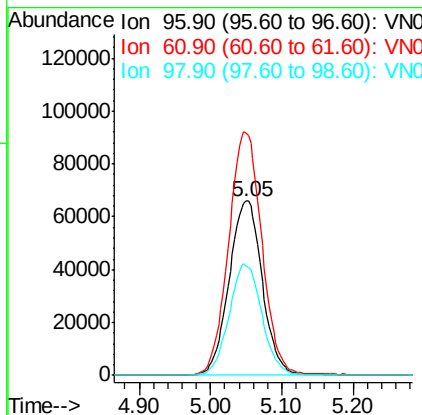
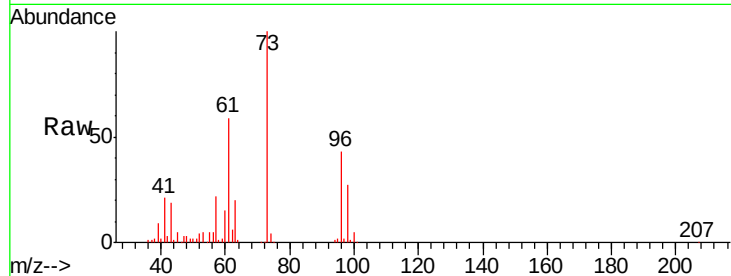
ClientSampleId :

VN1217MBS01

Tgt Ion:	96	Resp:	214042
Ion	Ratio	Lower	Upper
96	100		
61	139.2	110.8	166.2
98	62.9	51.4	77.2

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#22

Diisopropyl ether

Concen: 19.459 ug/l

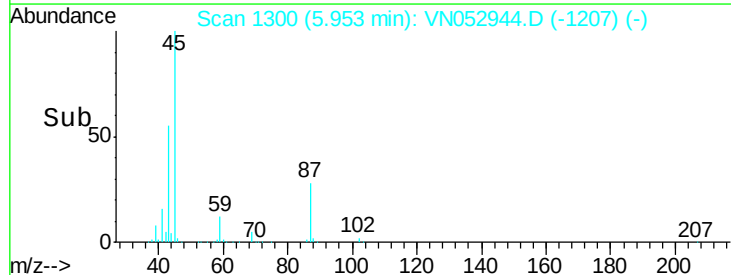
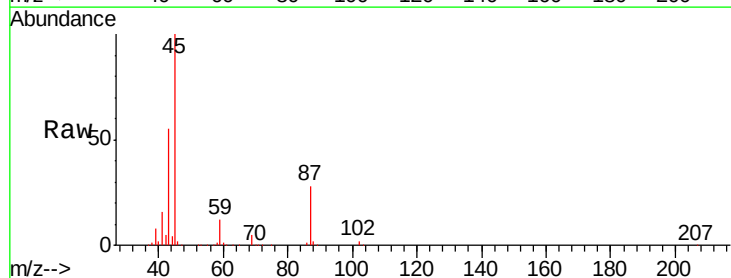
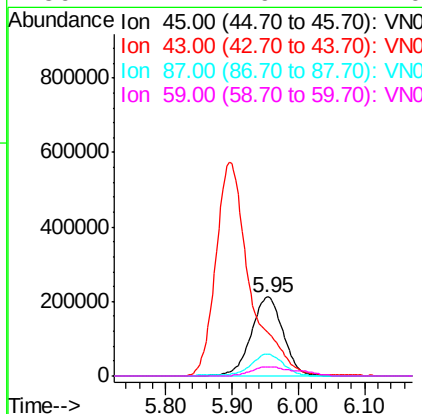
RT: 5.95 min Scan# 1300

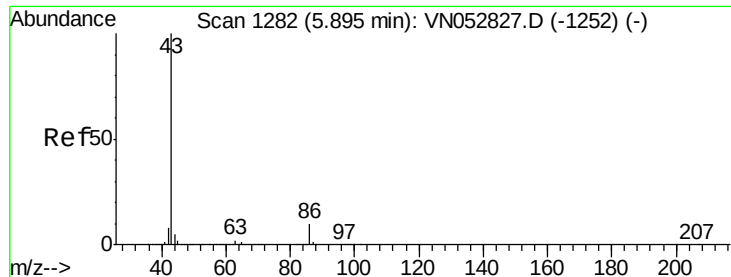
Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Tgt Ion:	45	Resp:	712581
Ion	Ratio	Lower	Upper
45	100		
43	54.1	45.5	68.3
87	28.2	22.0	33.0
59	11.4	9.4	14.0





#23

Vinyl Acetate

Concen: 94.367 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Instrument :

MSVOA_N

ClientSampleId :

VN1217MBS01

Tgt Ion: 43 Resp: 2056256

Ion Ratio Lower Upper

43 100

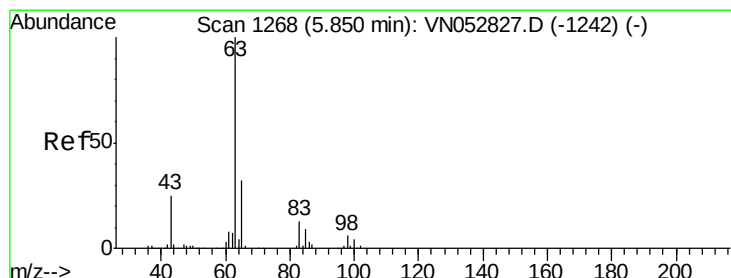
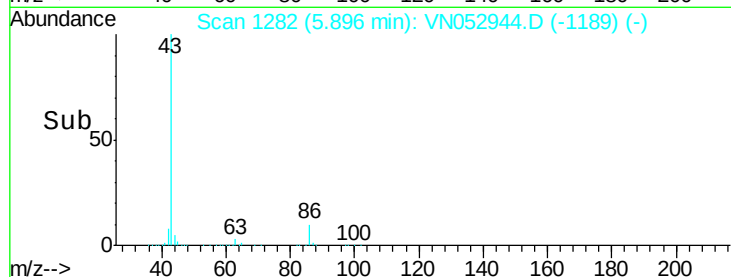
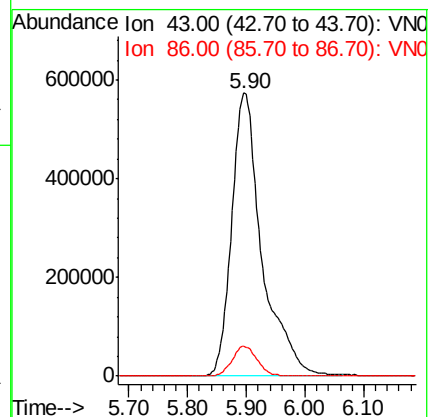
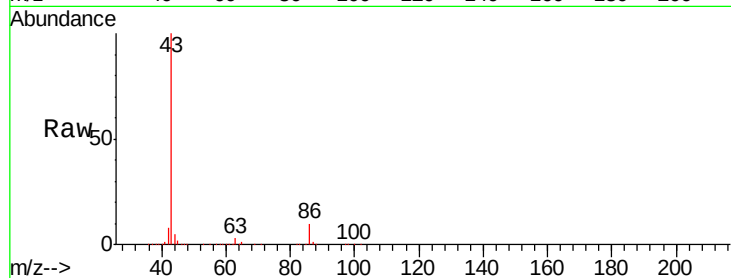
86 10.4 8.1 12.1

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#24

1,1-Dichloroethane

Concen: 19.275 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

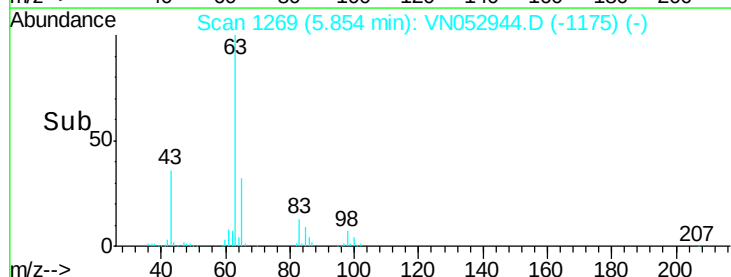
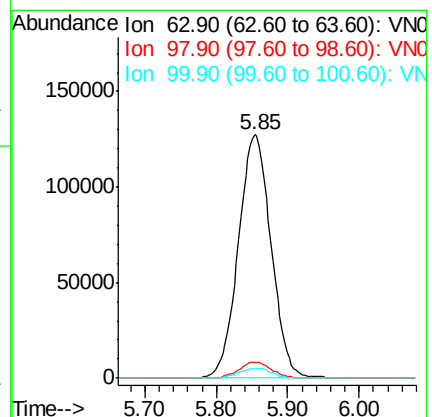
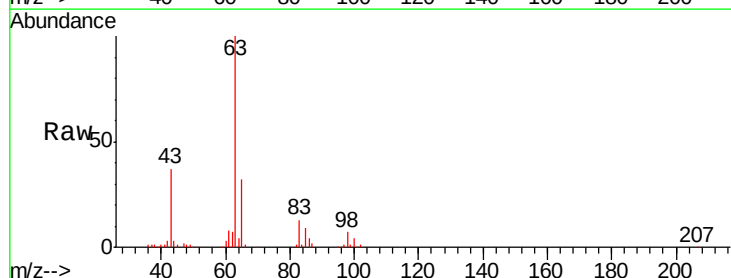
Tgt Ion: 63 Resp: 407037

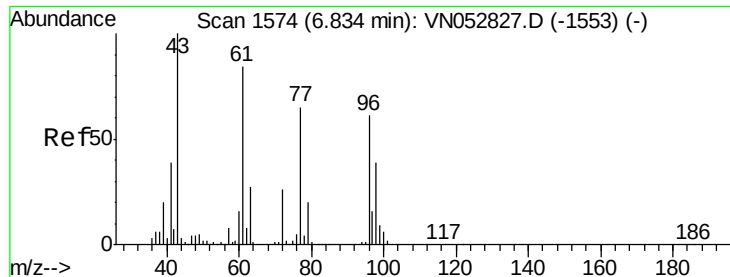
Ion Ratio Lower Upper

63 100

98 6.6 3.1 9.4

100 3.9 2.0 5.8





#25

2-Butanone

Concen: 96.156 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Instrument :

MSVOA_N

ClientSampleId :

VN1217MBS01

Tgt Ion: 43 Resp: 407270

Ion Ratio Lower Upper

43 100

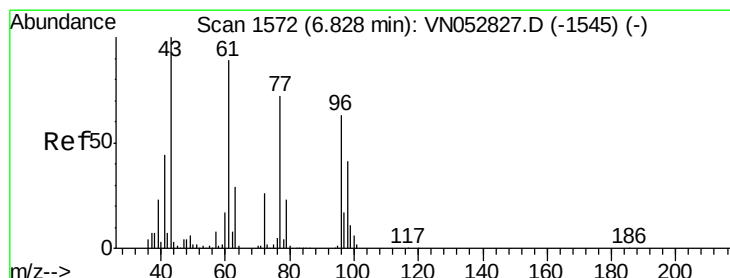
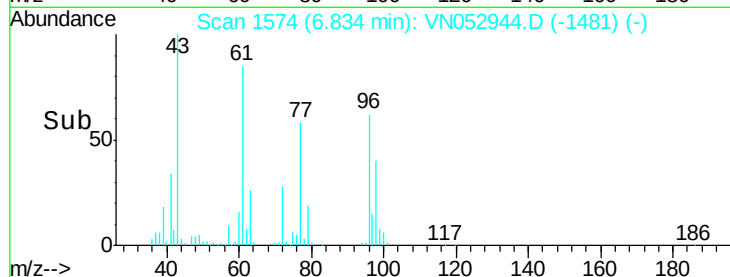
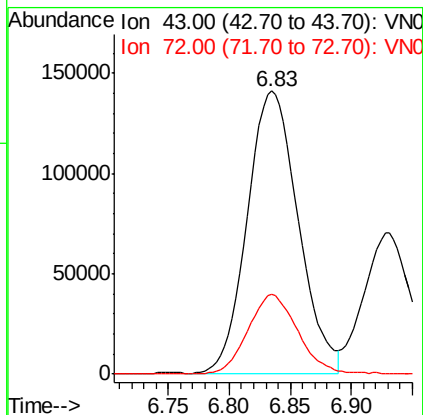
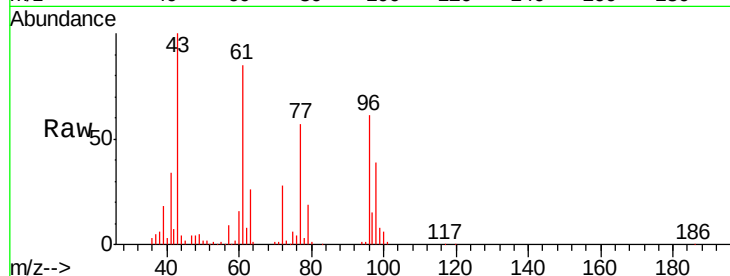
72 28.3 21.0 31.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 17.093 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052944.D

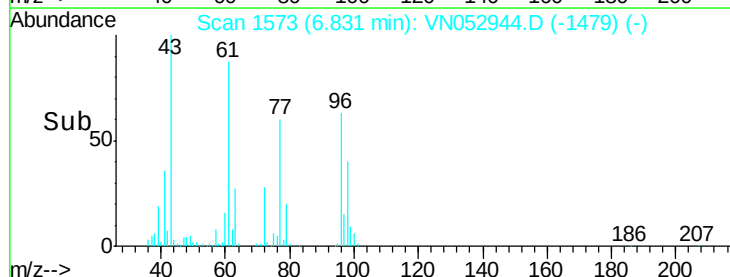
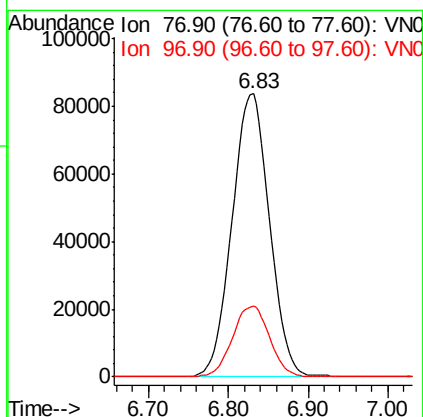
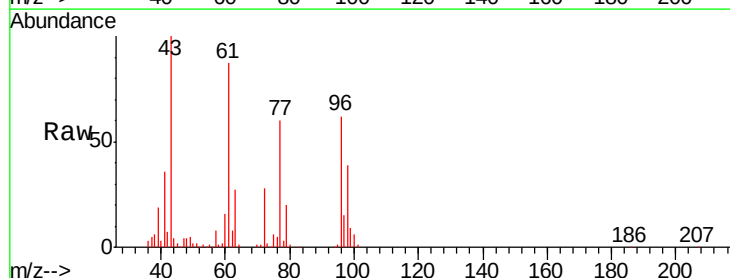
Acq: 17 Dec 2018 23:38

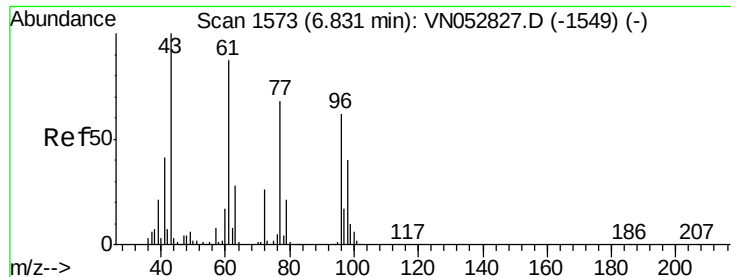
Tgt Ion: 77 Resp: 265818

Ion Ratio Lower Upper

77 100

97 24.8 11.9 35.9





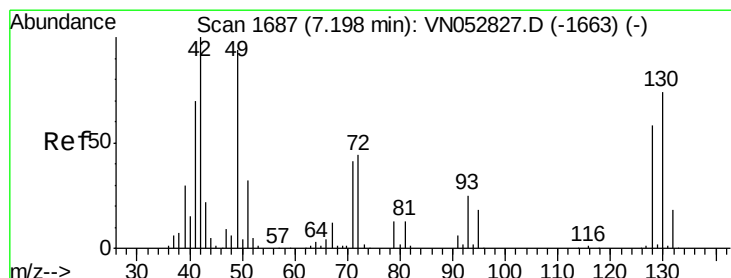
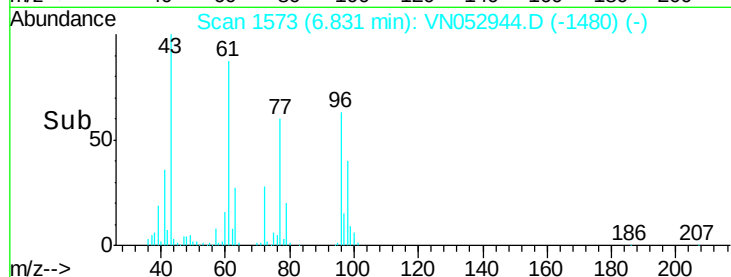
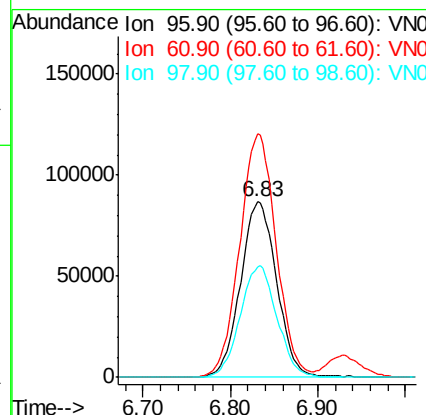
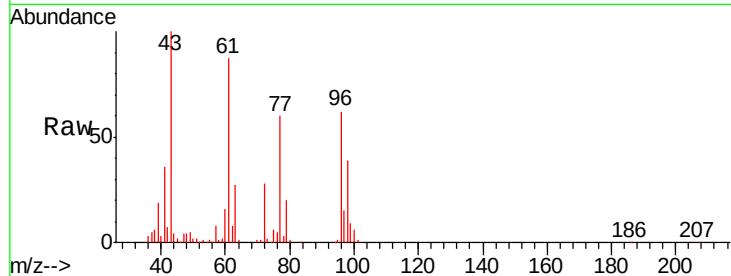
#27
 cis-1,2-Dichloroethene
 Concen: 19.285 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052944.D
 Acq: 17 Dec 2018 23:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217MBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.7	0.0	284.2
98	64.7	0.0	129.2

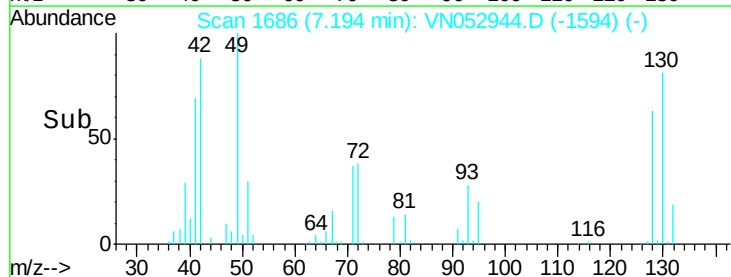
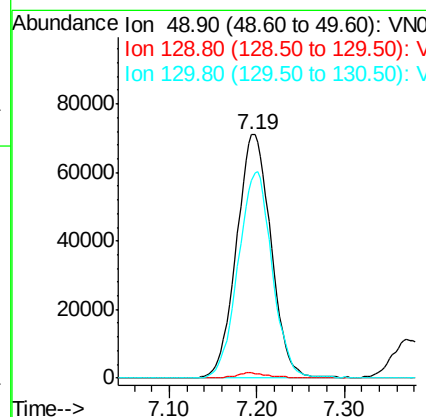
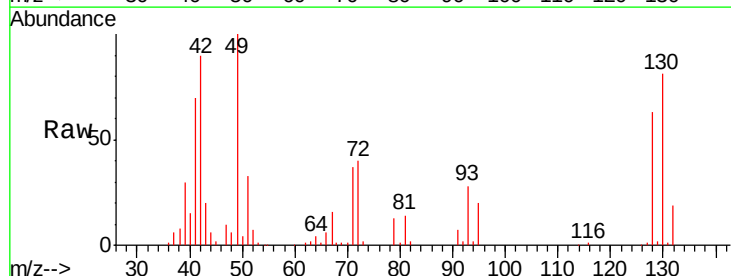
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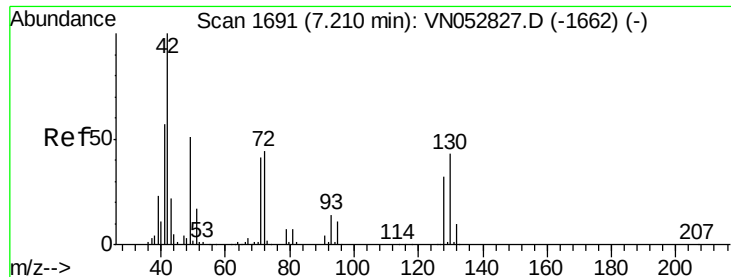
MMDadoda
 12/18/2018 1:33:54 PM



#28
 Bromochloromethane
 Concen: 20.513 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN052944.D
 Acq: 17 Dec 2018 23:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	83.1	63.3	94.9





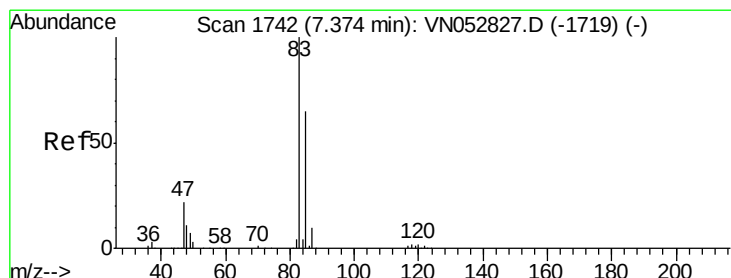
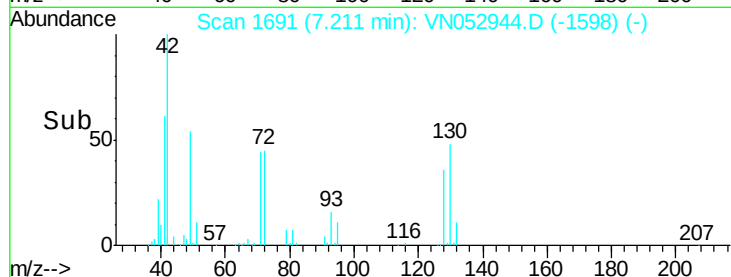
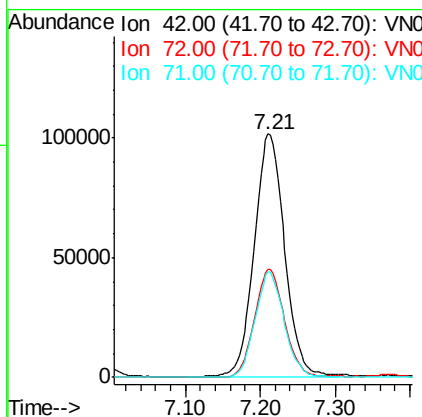
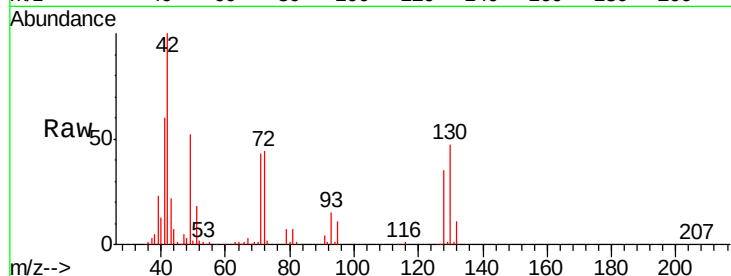
#29
Tetrahydrofuran
Concen: 99.001 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Instrument :
MSVOA_N
ClientSampleId :
VN1217MBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	44.0	34.7	52.1
71	41.7	32.3	48.5

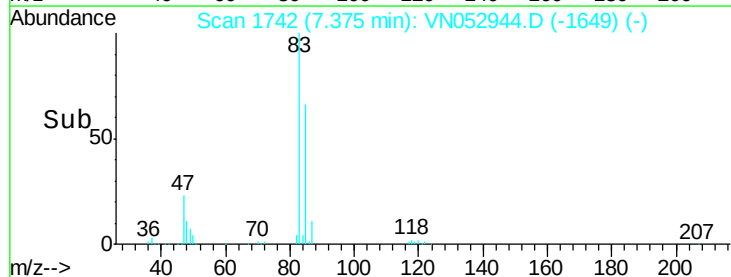
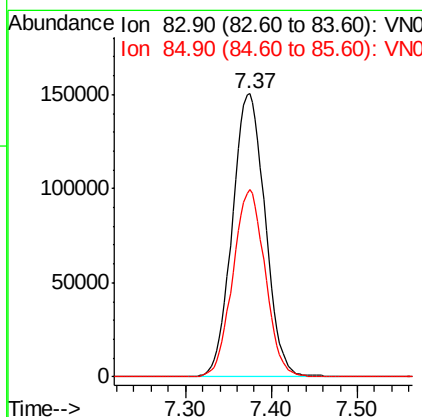
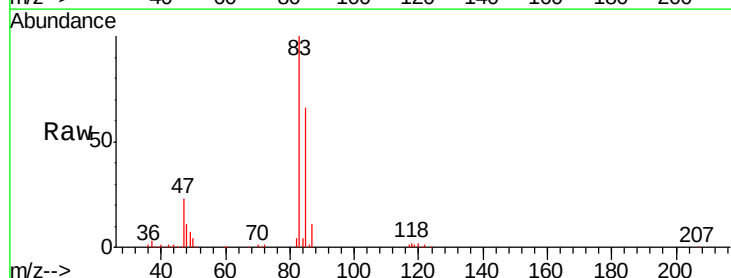
Manual Integrations
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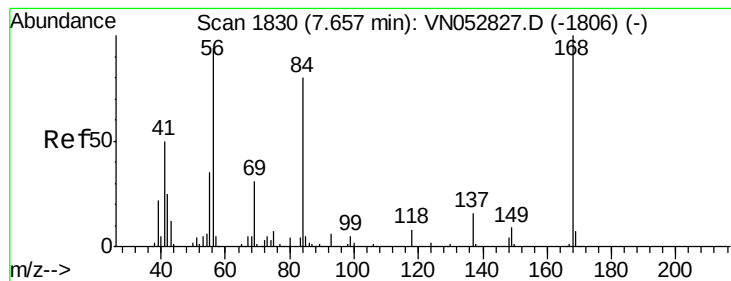
MMDadoda
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#30
Chloroform
Concen: 19.392 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.1	78.1





#31

Cyclohexane

Concen: 18.218 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Instrument :

MSVOA_N

ClientSampleId :

VN1217MBS01

Tgt Ion: 56 Resp: 382817
Ion Ratio Lower Upper

56 100

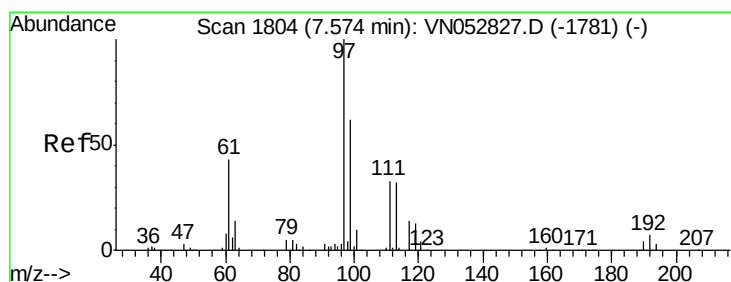
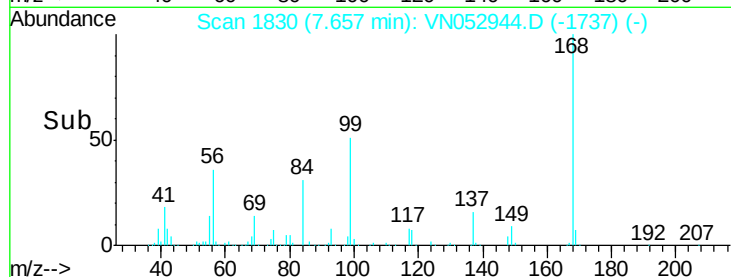
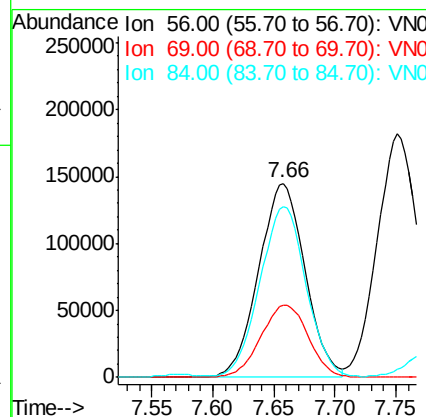
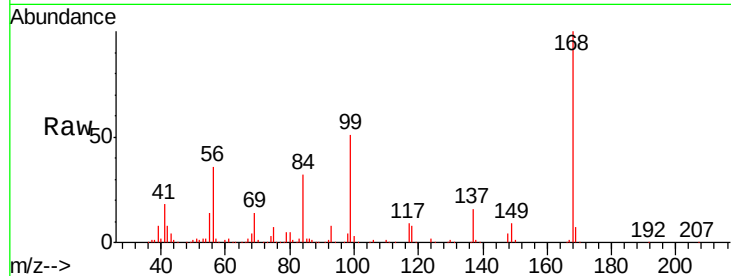
69 37.3 26.6 39.8

84 87.1 68.4 102.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.408 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052944.D

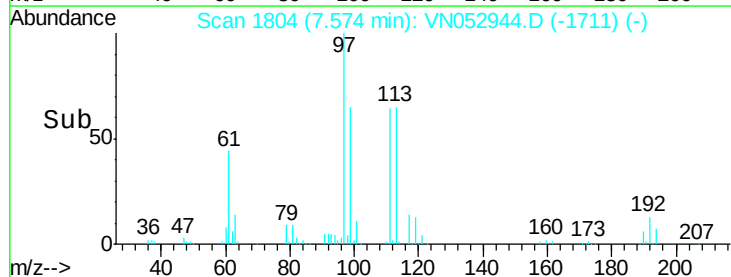
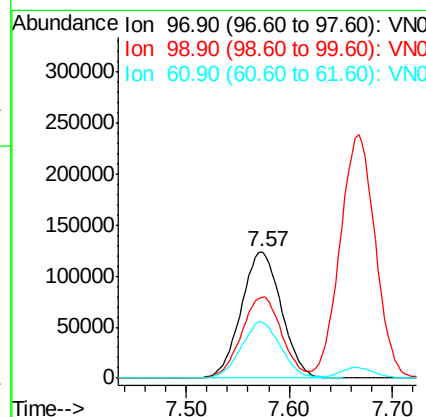
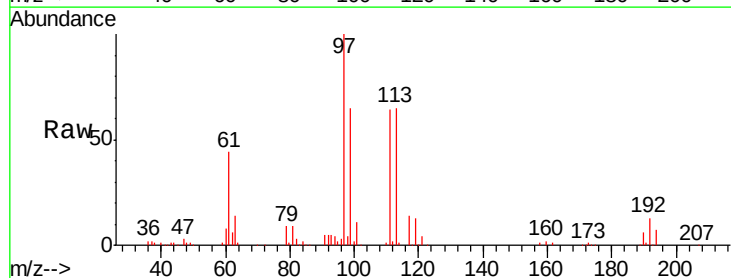
Acq: 17 Dec 2018 23:38

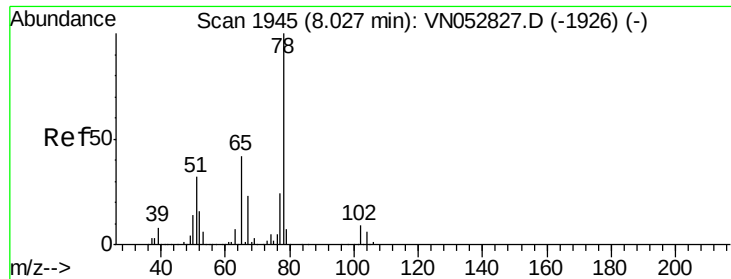
Tgt Ion: 97 Resp: 334400
Ion Ratio Lower Upper

97 100

99 64.2 51.1 76.7

61 43.7 35.0 52.6





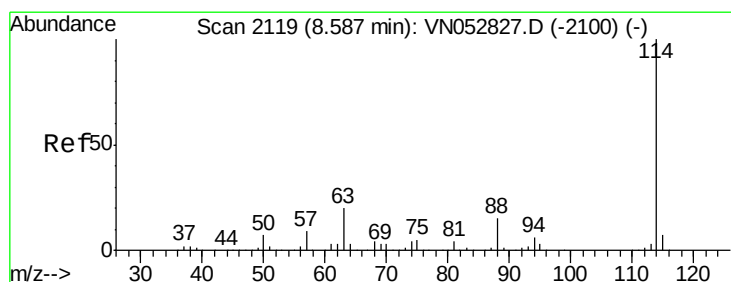
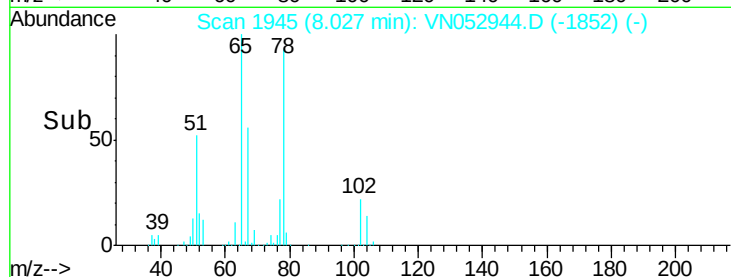
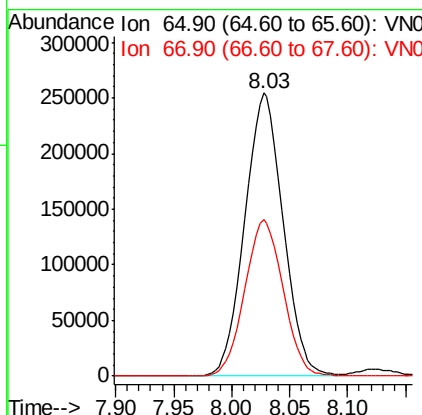
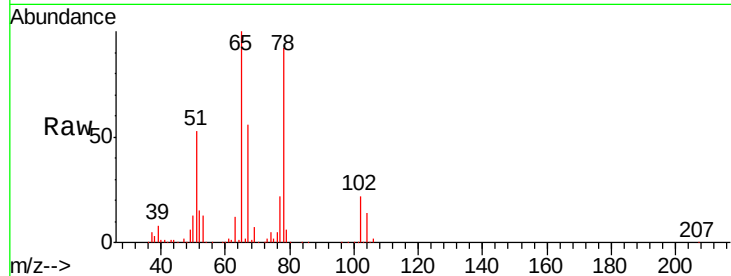
#33
 1,2-Dichloroethane-d4
 Concen: 19.408 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052944.D
 Acq: 17 Dec 2018 23:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217MBS01

Tgt Ion: 65 Resp: 585475
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 110.4

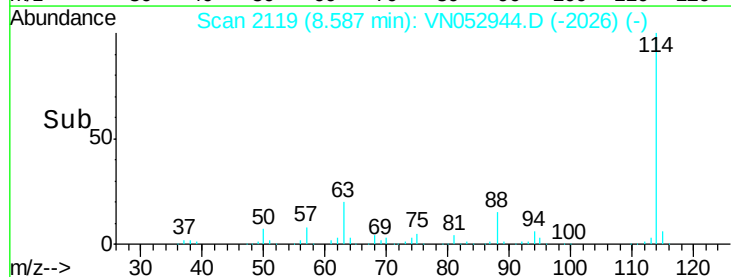
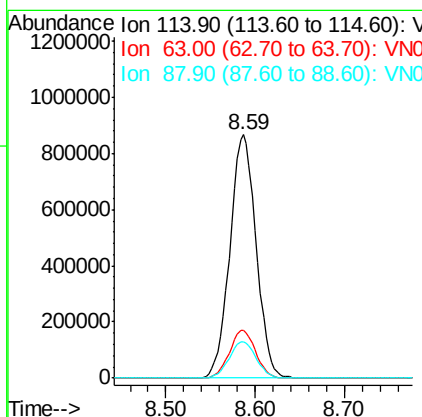
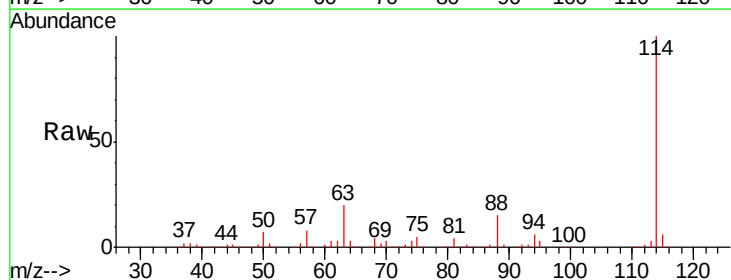
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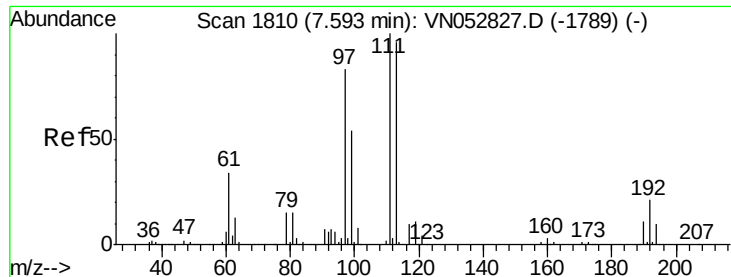
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052944.D
 Acq: 17 Dec 2018 23:38

Tgt Ion: 114 Resp: 1765189
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.8
 88 15.1 0.0 31.0





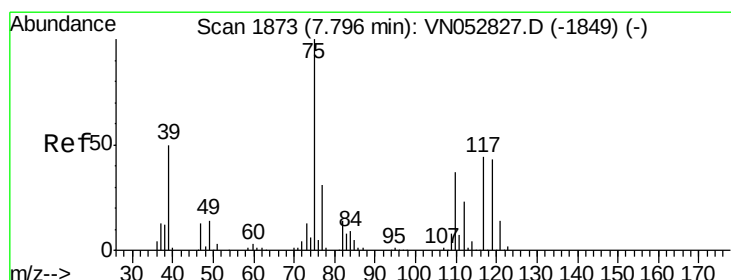
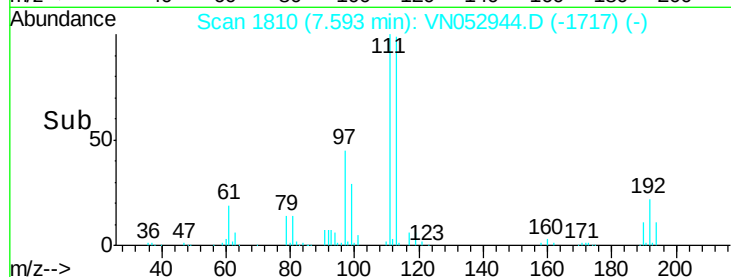
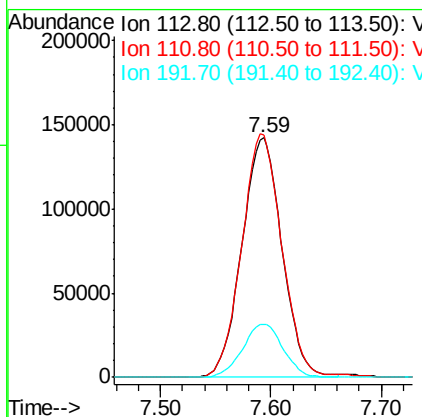
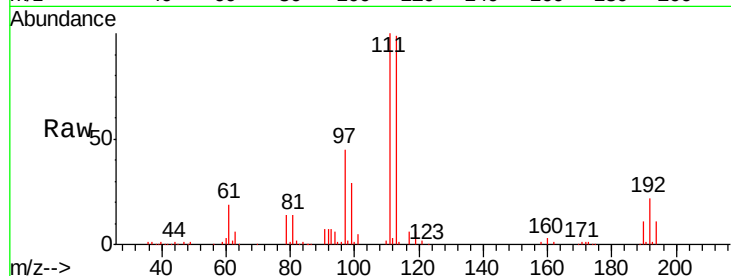
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Instrument :
MSVOA_N
ClientSampleId :
VN1217MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	357985		
111	101.3	83.0	124.4	
192	22.5	17.5	26.3	

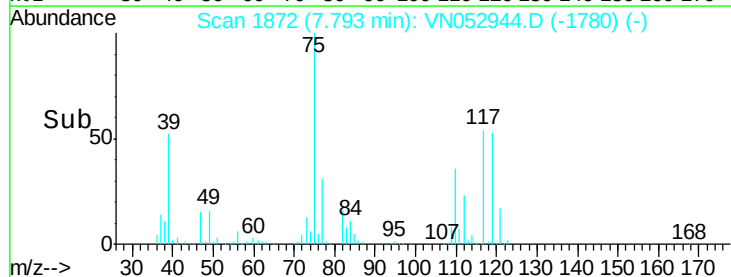
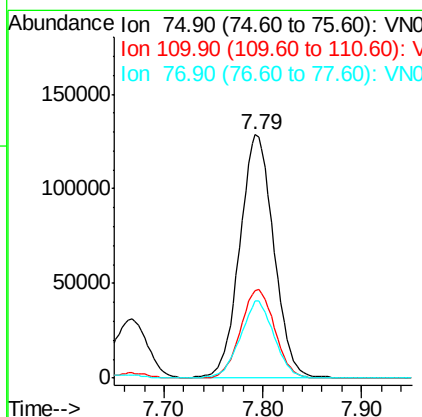
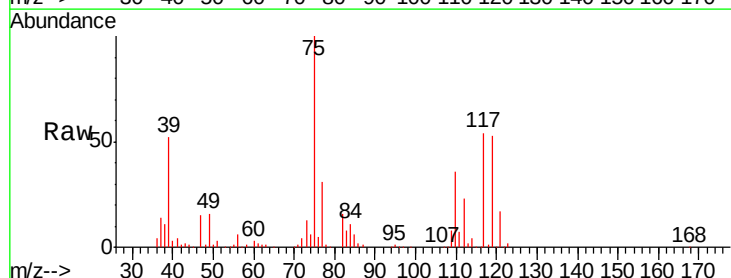
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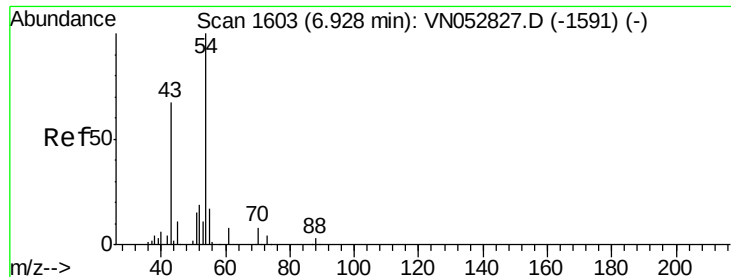
MMDadoda
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#36
1,1-Dichloropropene
Concen: 18.774 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	305176		
110	36.7	18.2	54.6	
77	31.7	24.9	37.3	





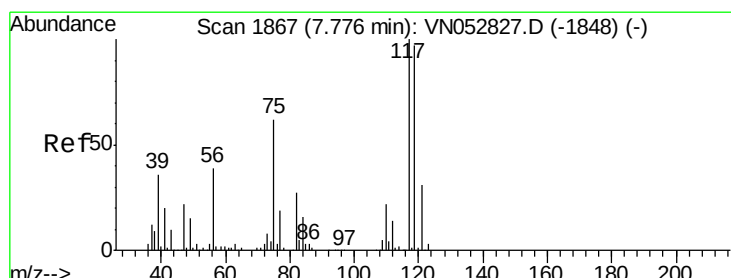
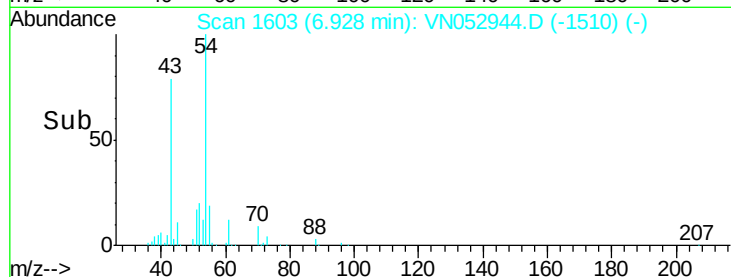
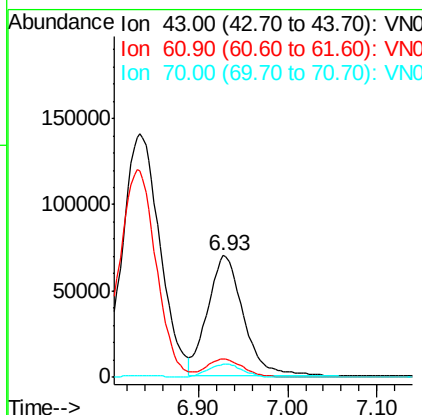
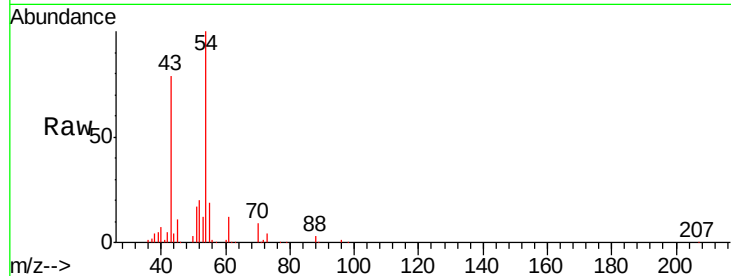
#37
Ethyl Acetate
Concen: 19.978 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Instrument :
MSVOA_N
ClientSampleId :
VN1217MBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.8	17.6
70	10.9	8.4	12.6

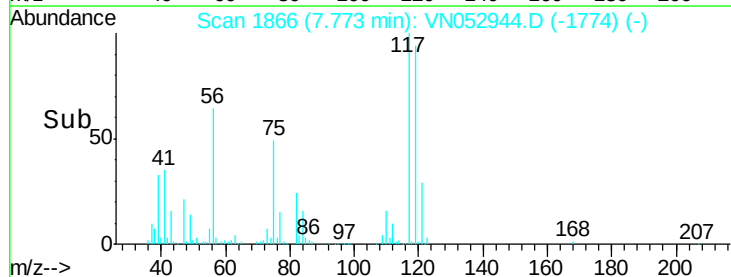
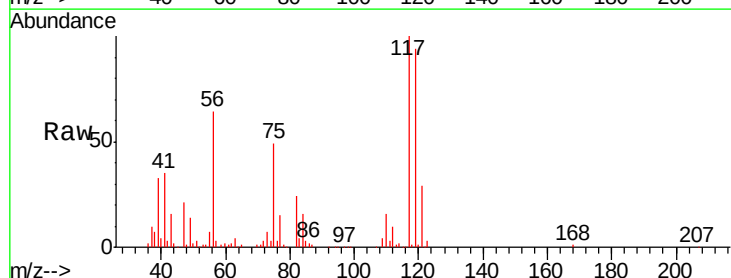
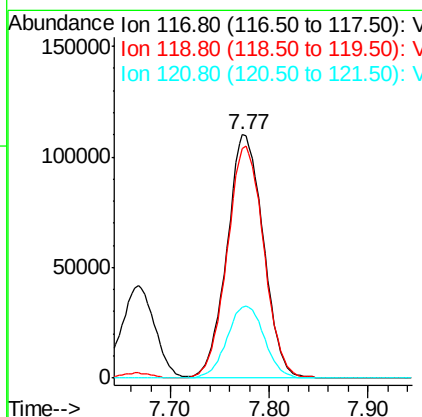
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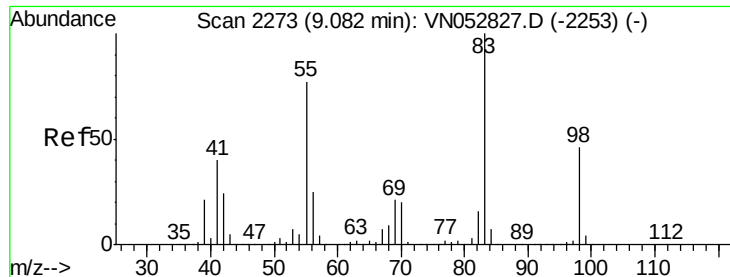
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.815 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	77.1	115.7
121	29.4	24.9	37.3





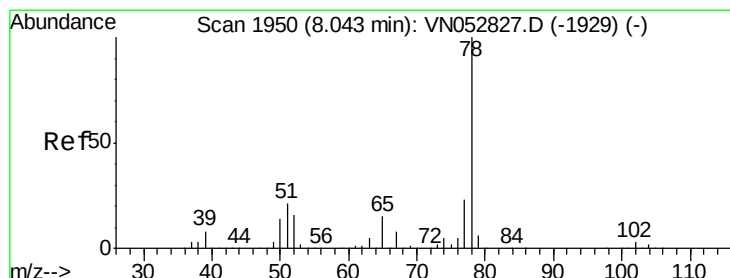
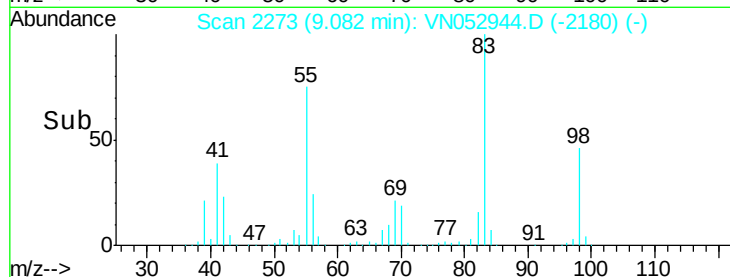
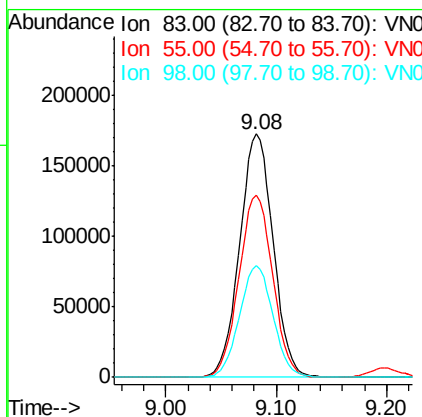
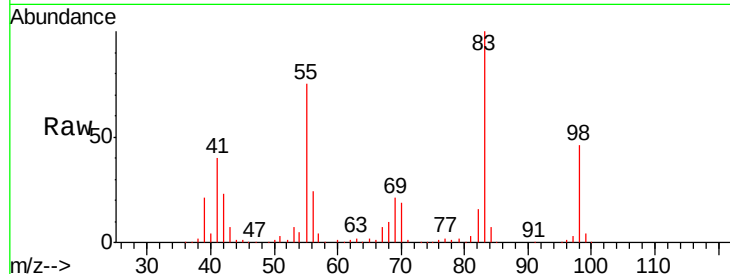
#39
Methylcyclohexane
Concen: 18.159 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Instrument :
MSVOA_N
ClientSampleId :
VN1217MBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	74.6	61.3	91.9
98	45.7	37.0	55.4

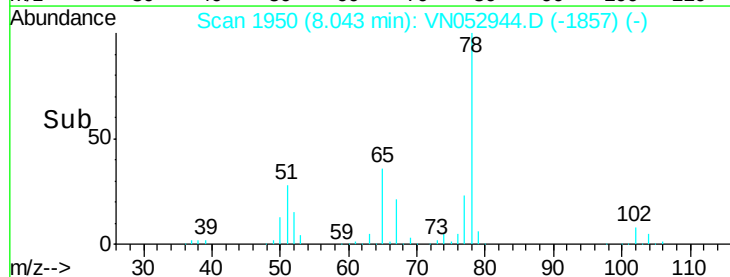
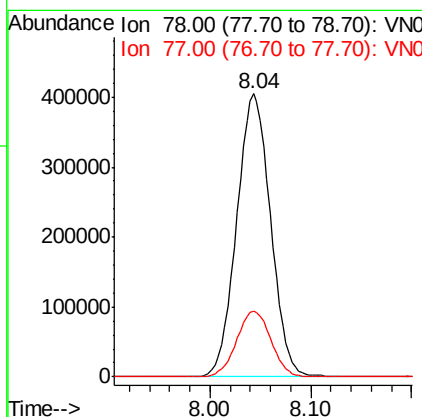
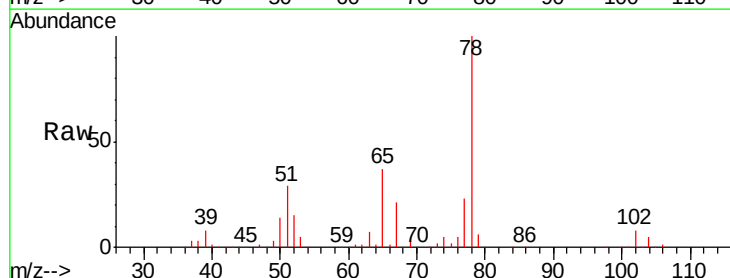
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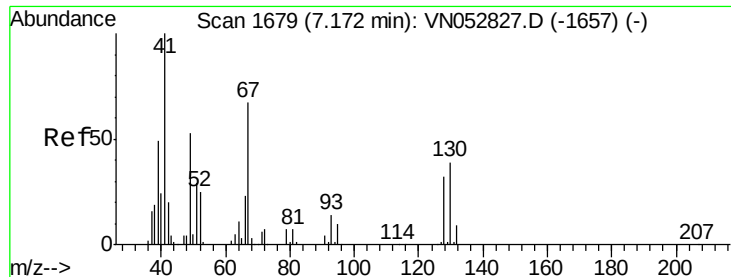
MMDadoda
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#40
Benzene
Concen: 19.320 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.5	27.7





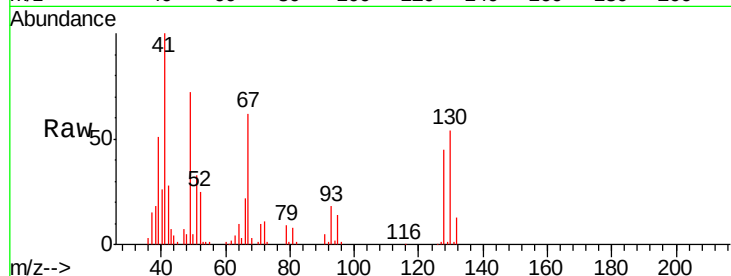
#41
Methacrylonitrile
Concen: 20.327 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Instrument :
MSVOA_N
ClientSampleId :
VN1217MBS01

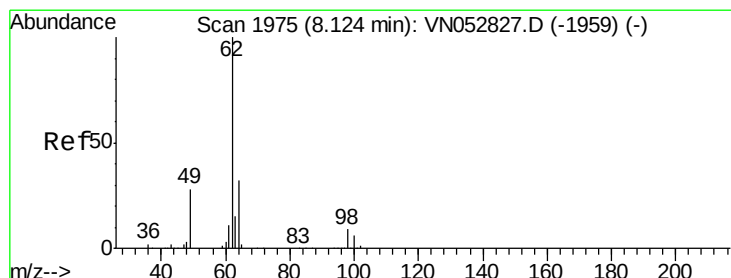
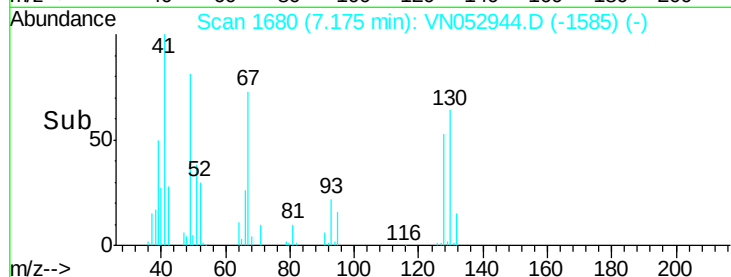
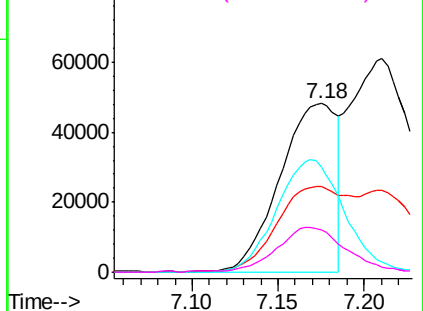
Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.6	48.0	72.0
67	80.3	70.3	105.5
52	31.8	26.9	40.3

Manual Integrations
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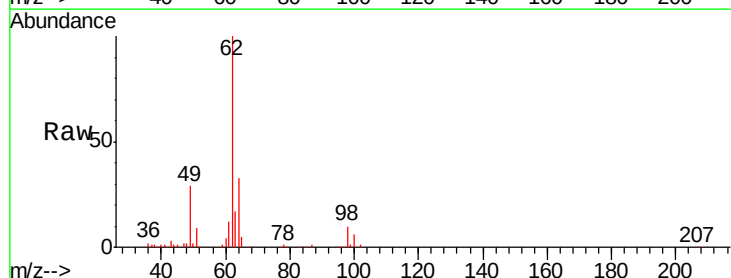


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

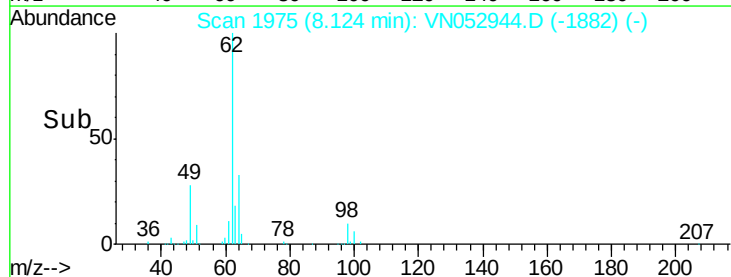
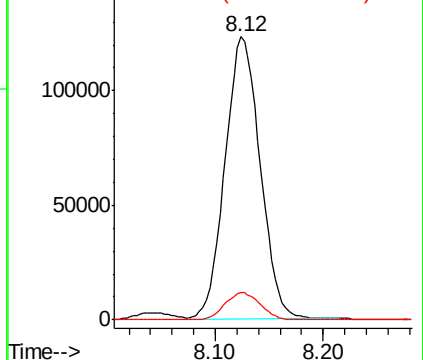


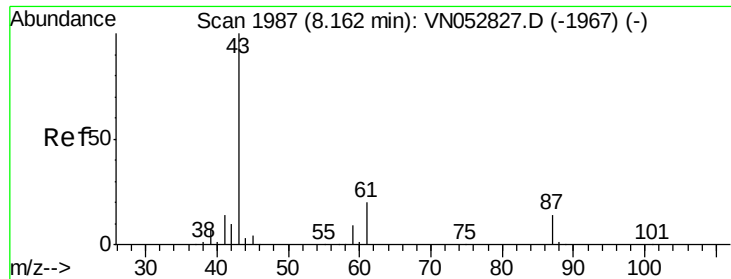
#42
1,2-Dichloroethane
Concen: 19.050 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.0



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 19.734 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Instrument :

MSVOA_N

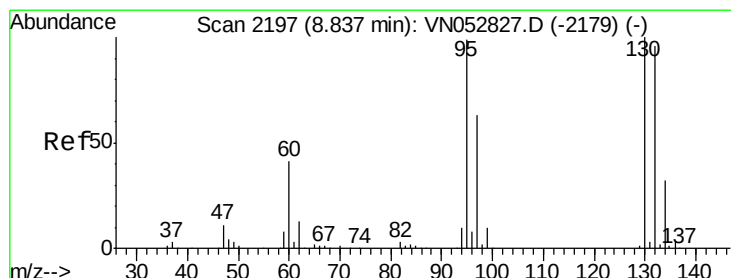
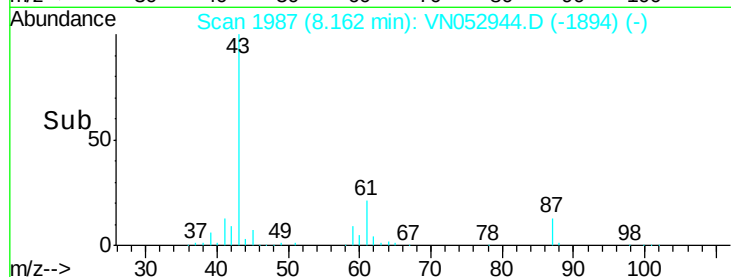
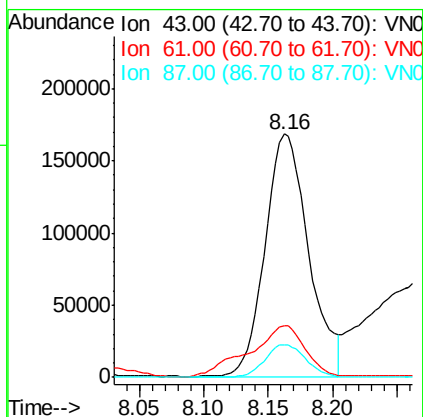
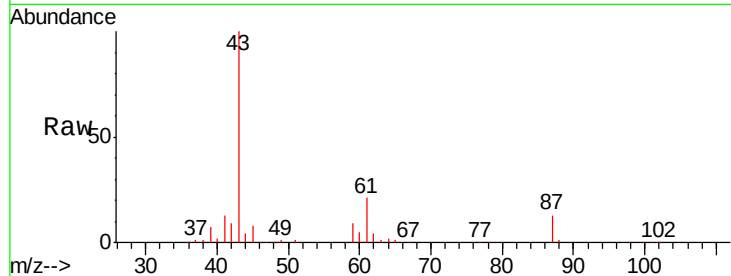
ClientSampleId :

VN1217MBS01

Tgt Ion:	43	Resp:	395090
Ion	Ratio	Lower	Upper
43	100		
61	26.9	22.9	34.3
87	12.7	10.6	15.8

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#44

Trichloroethene

Concen: 20.478 ug/l

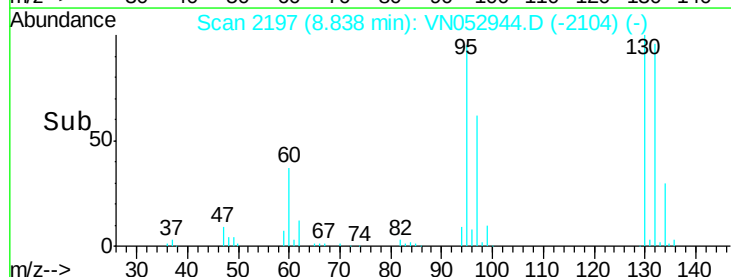
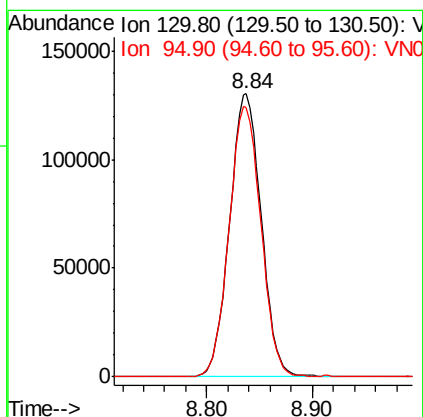
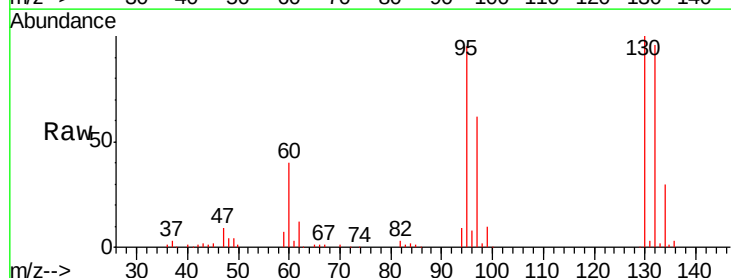
RT: 8.84 min Scan# 2197

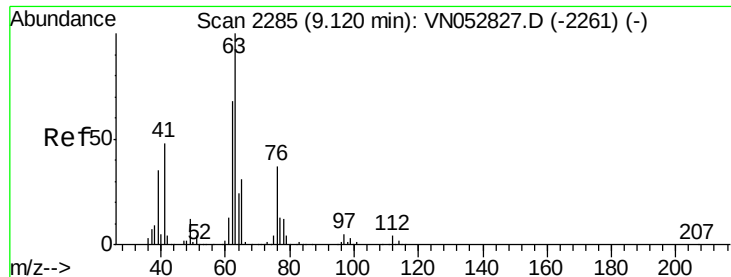
Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Tgt Ion:	130	Resp:	269857
Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	197.8





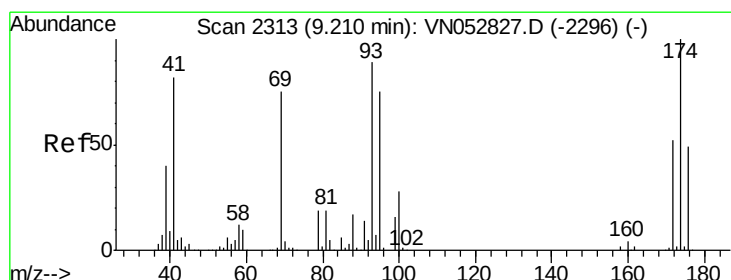
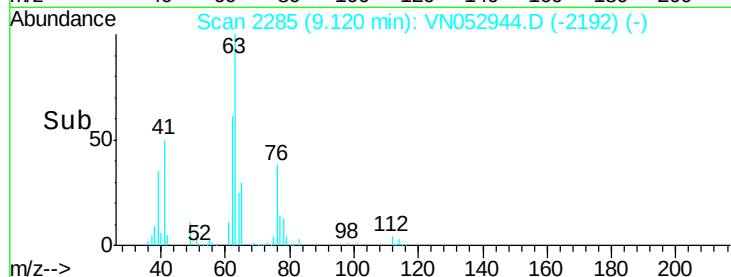
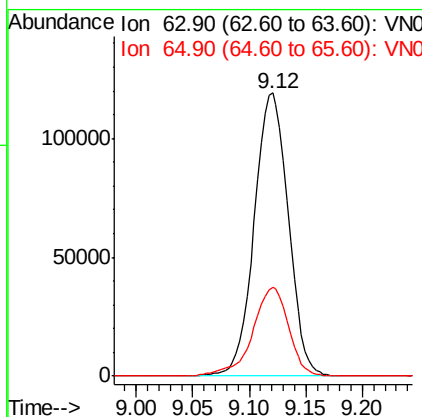
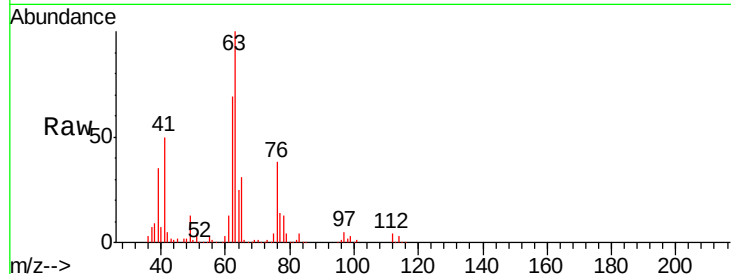
#45
 1,2-Dichloropropane
 Concen: 19.526 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052944.D
 Acq: 17 Dec 2018 23:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217MBS01

Tgt Ion: 63 Resp: 249513
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.6 37.0

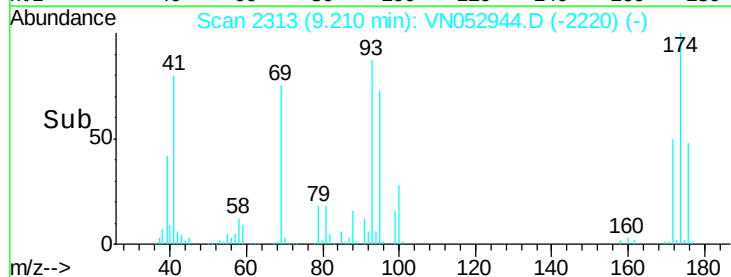
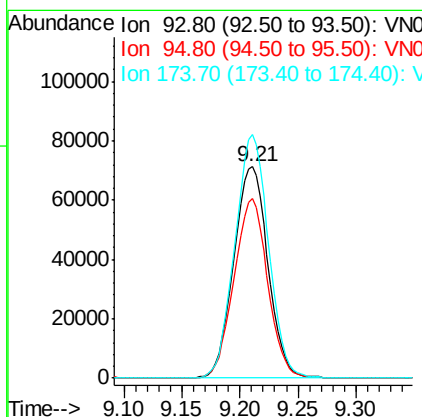
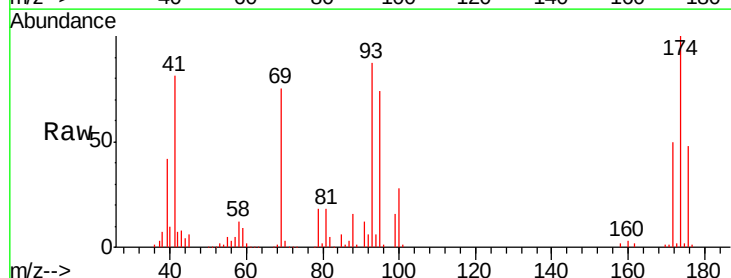
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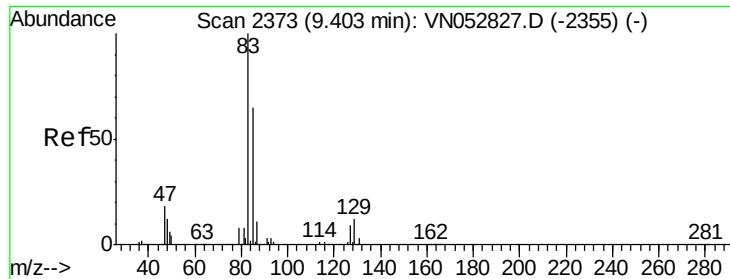
MMDadoda
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#46
 Dibromomethane
 Concen: 19.695 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052944.D
 Acq: 17 Dec 2018 23:38

Tgt Ion: 93 Resp: 145960
 Ion Ratio Lower Upper
 93 100
 95 84.0 67.8 101.6
 174 113.6 89.0 133.4





#47

Bromodichloromethane

Concen: 19.875 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Instrument :

MSVOA_N

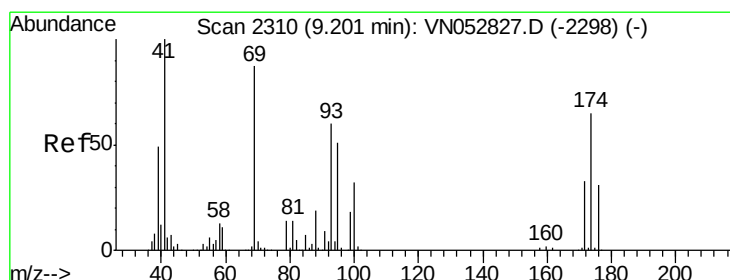
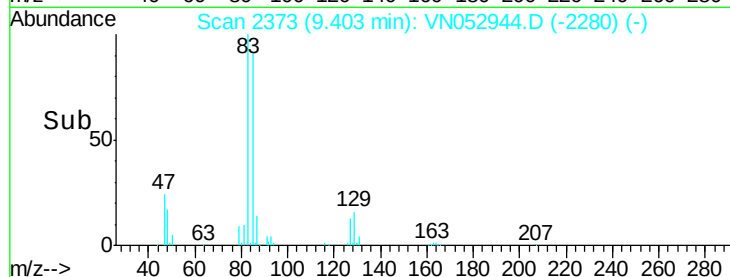
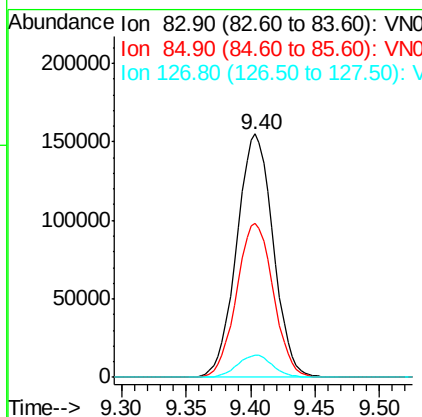
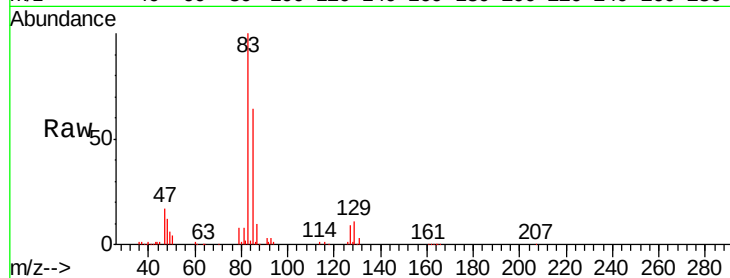
ClientSampleId :

VN1217MBS01

Tgt Ion:	83	Resp:	305431
Ion Ratio	Lower	Upper	
83	100		
85	63.5	51.6	77.4
127	9.0	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.599 ug/l

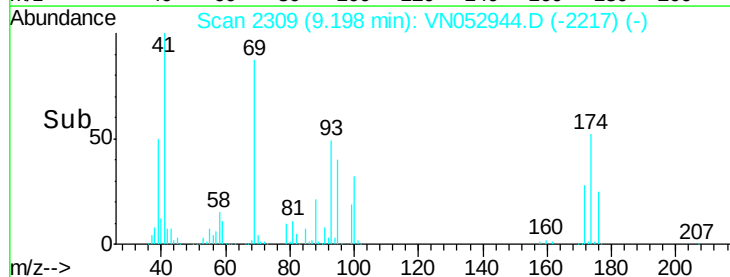
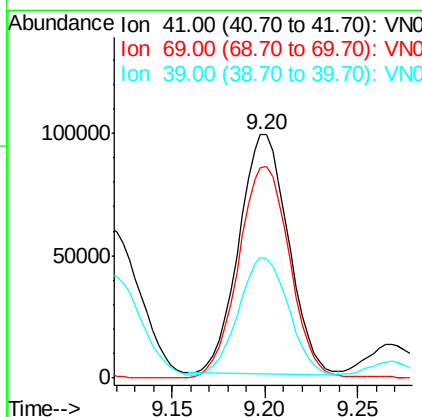
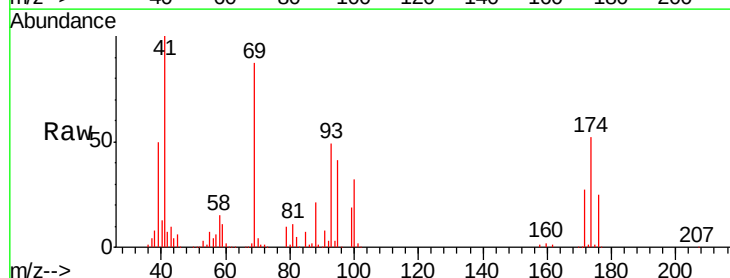
RT: 9.20 min Scan# 2309

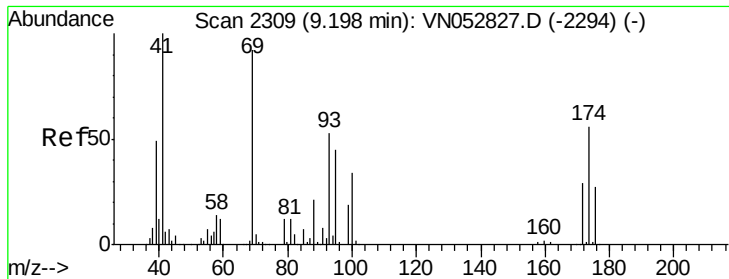
Delta R.T. -0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Tgt Ion:	41	Resp:	180862
Ion Ratio	Lower	Upper	
41	100		
69	91.6	72.2	108.2
39	52.4	41.9	62.9





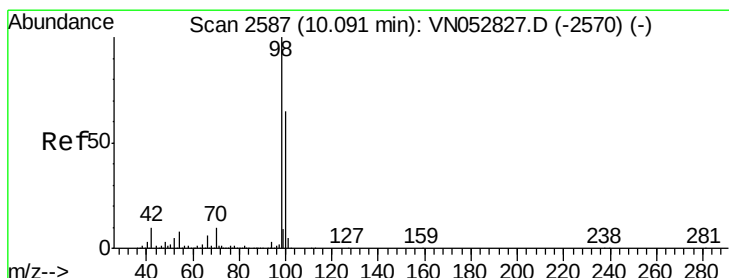
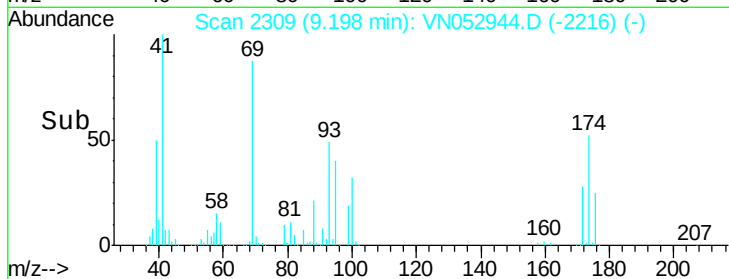
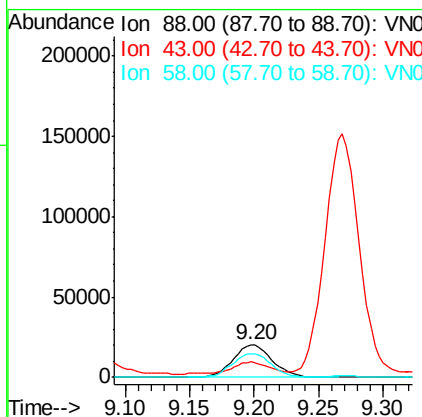
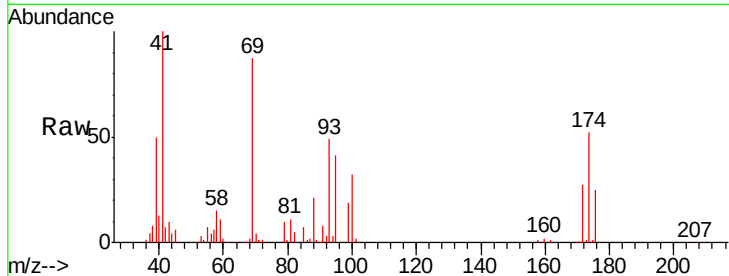
#49
 1,4-Dioxane
 Concen: 427.168 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN052944.D
 Acq: 17 Dec 2018 23:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217MBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	30.8	26.6	40.0
58	73.7	58.4	87.6

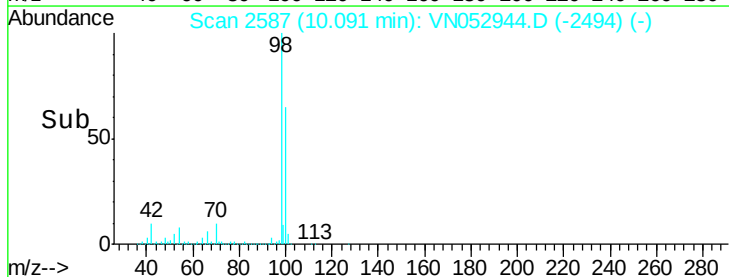
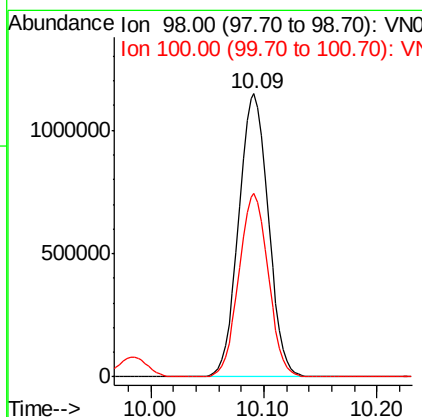
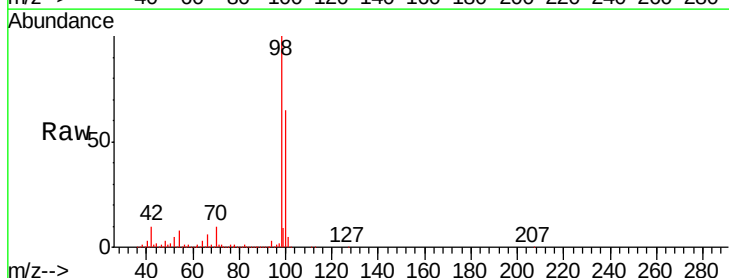
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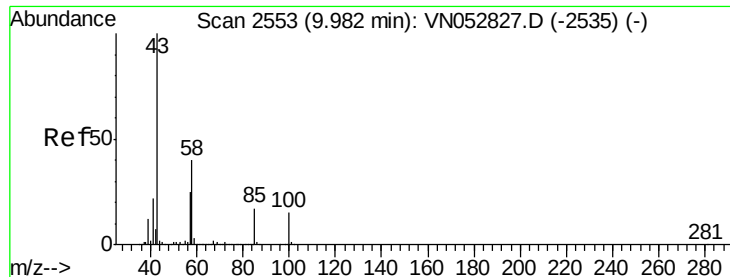
MMDadoda
 12/18/2018 1:33:54 PM



#50
 Toluene-d8
 Concen: 427.168 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN052944.D
 Acq: 17 Dec 2018 23:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.6	77.4





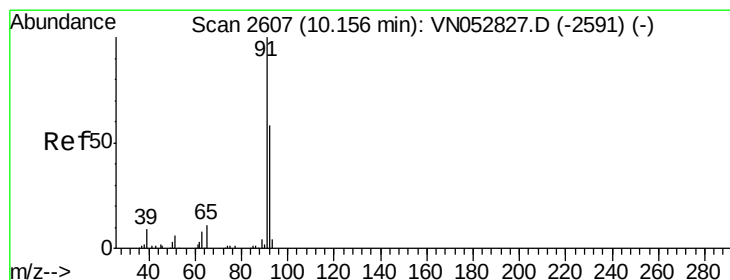
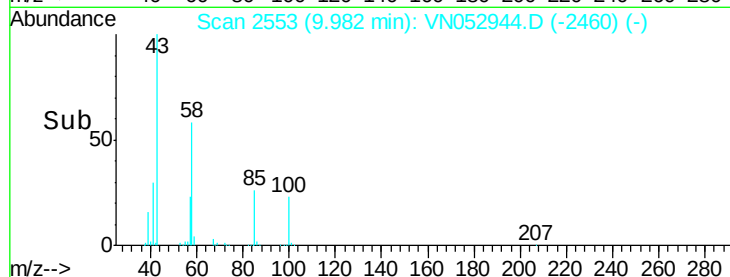
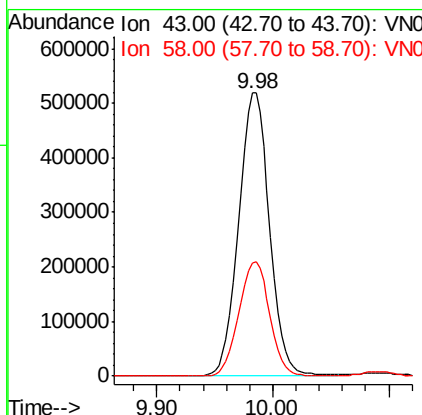
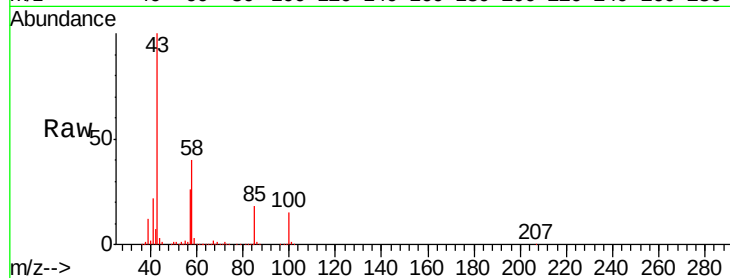
#51
4-Methyl-2-Pentanone
Concen: 103.218 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Instrument :
MSVOA_N
ClientSampleId :
VN1217MBS01

Tgt Ion: 43 Resp: 947591
Ion Ratio Lower Upper
43 100
58 41.0 32.2 48.4

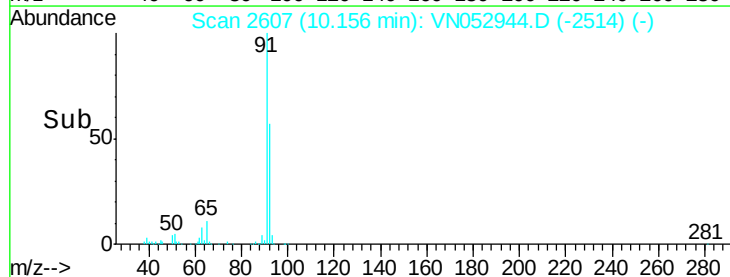
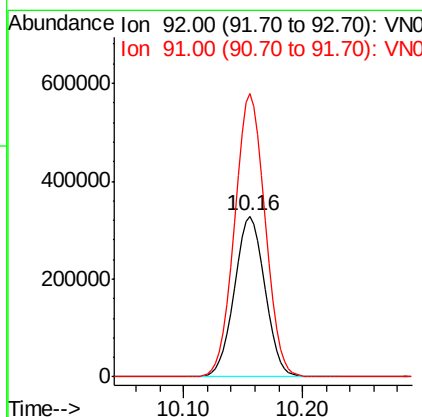
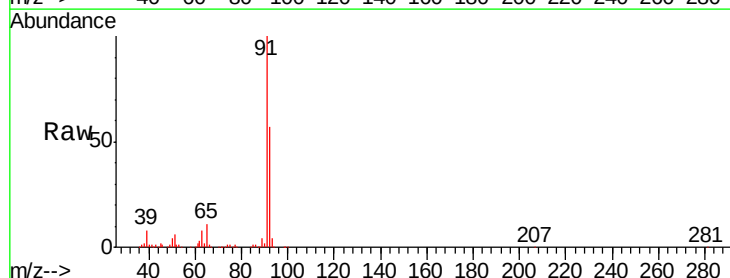
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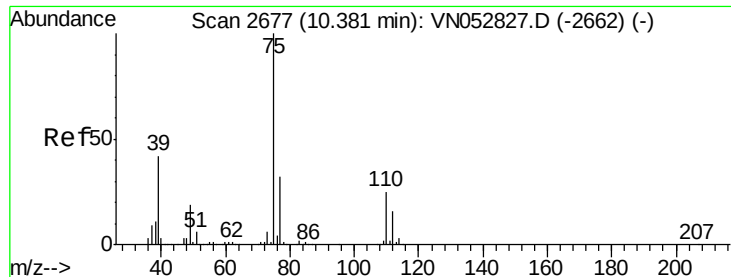
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#52
Toluene
Concen: 19.741 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Tgt Ion: 92 Resp: 583325
Ion Ratio Lower Upper
92 100
91 176.4 139.8 209.6





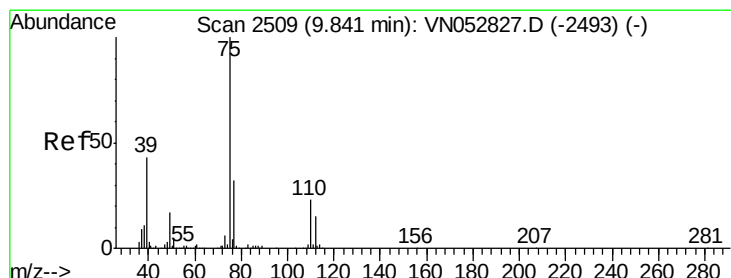
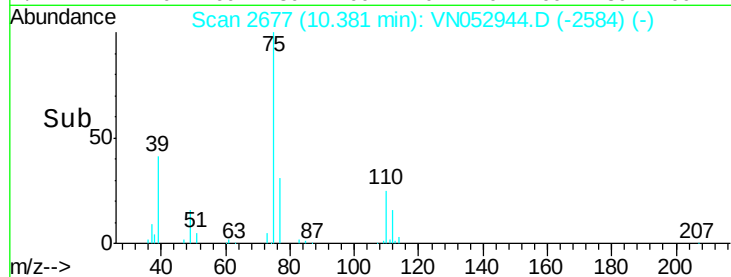
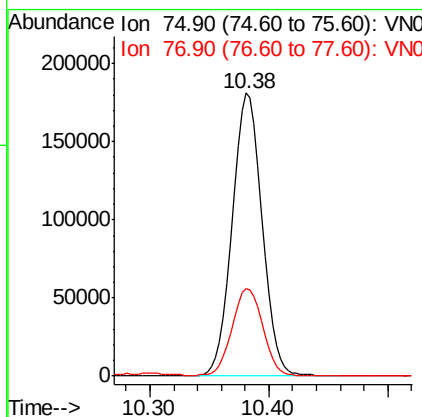
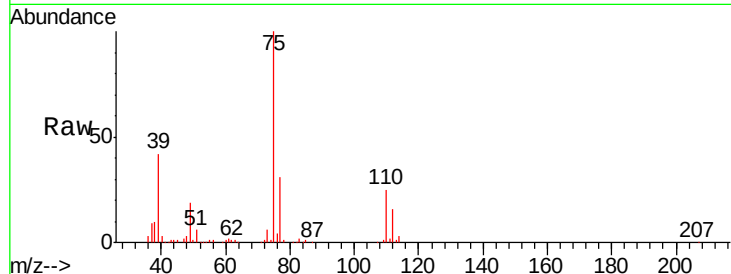
#53
t-1,3-Dichloropropene
Concen: 20.407 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Instrument :
MSVOA_N
ClientSampleId :
VN1217MBS01

Tgt Ion: 75 Resp: 315582
Ion Ratio Lower Upper
75 100
77 31.0 25.6 38.4

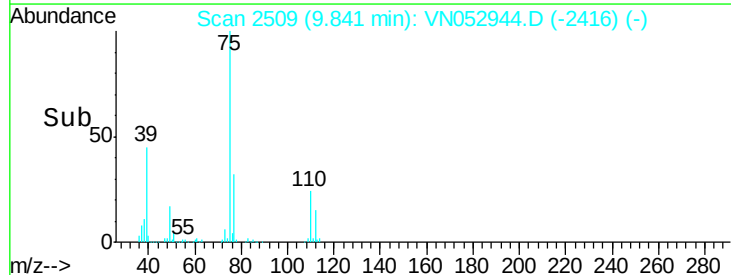
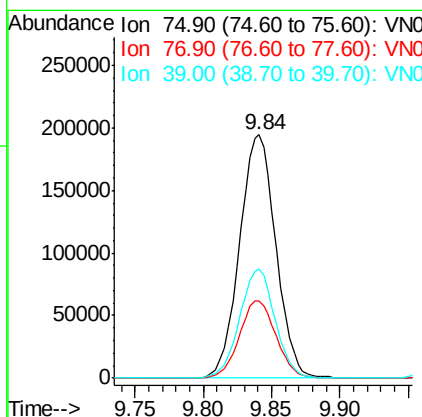
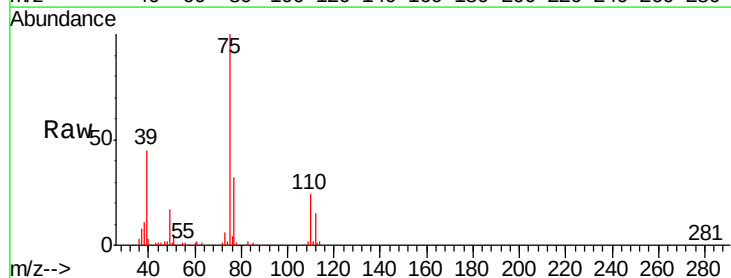
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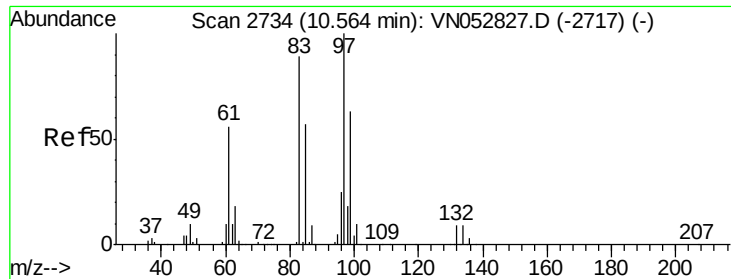
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#54
cis-1,3-Dichloropropene
Concen: 19.471 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Tgt Ion: 75 Resp: 358810
Ion Ratio Lower Upper
75 100
77 31.6 25.8 38.8
39 44.6 34.8 52.2





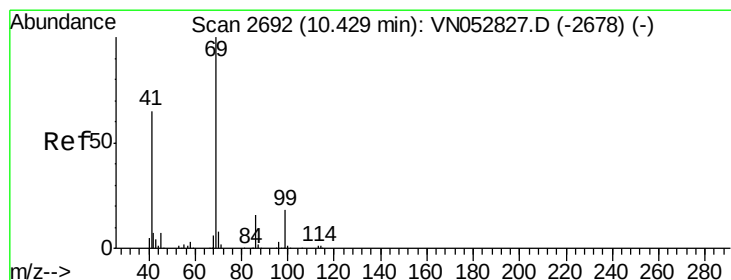
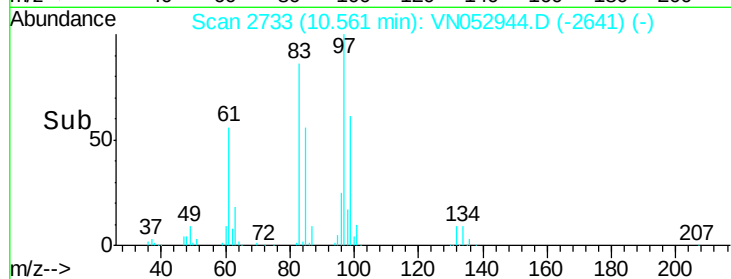
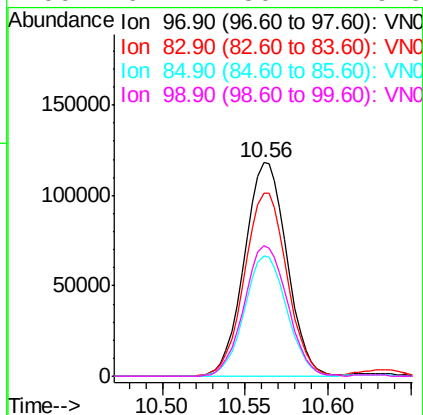
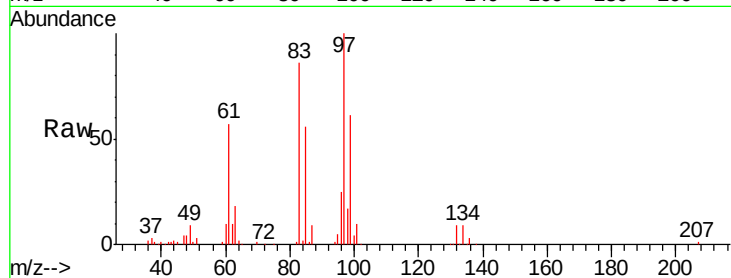
#55
 1,1,2-Trichloroethane
 Concen: 20.067 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052944.D
 Acq: 17 Dec 2018 23:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217MBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.8	70.9	106.3
85	56.5	45.4	68.2
99	61.2	50.4	75.6

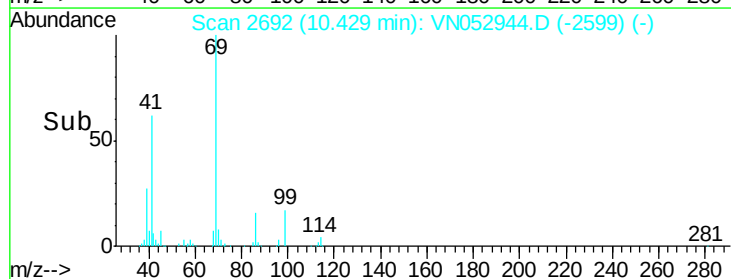
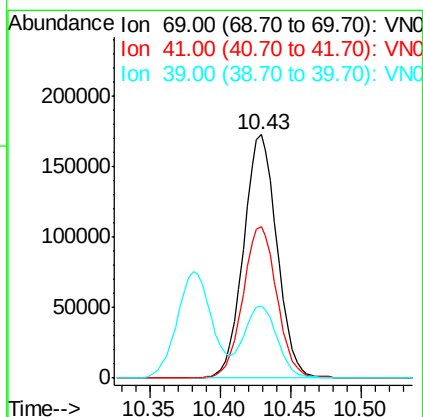
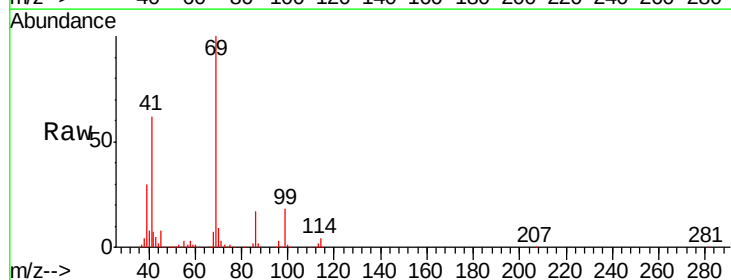
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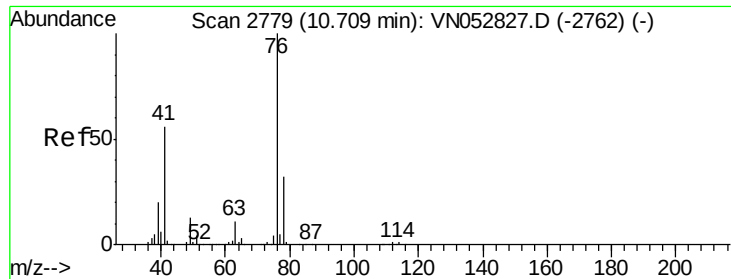
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#56
 Ethyl methacrylate
 Concen: 21.236 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052944.D
 Acq: 17 Dec 2018 23:38

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.8	51.7	77.5
39	29.6	24.6	37.0





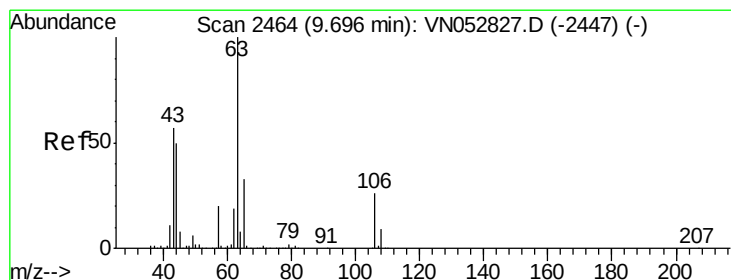
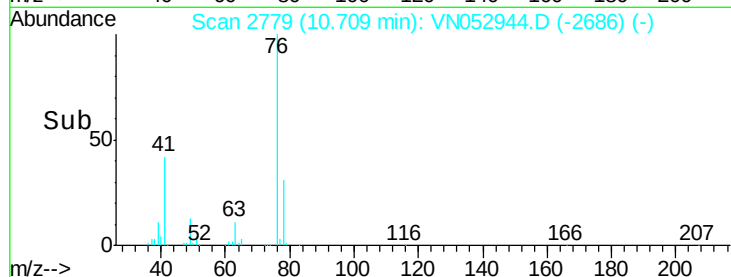
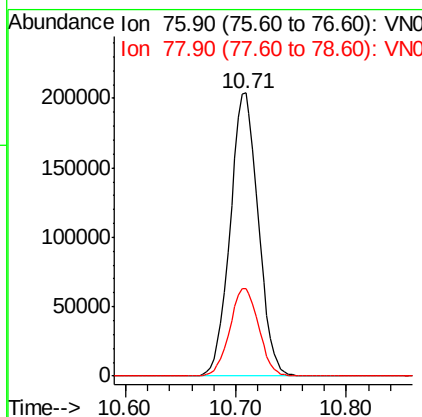
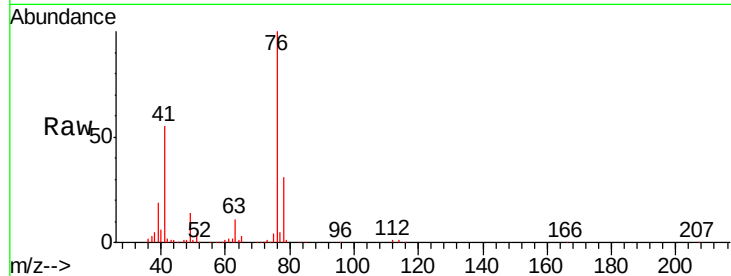
#57
 1,3-Dichloropropane
 Concen: 19.920 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052944.D
 Acq: 17 Dec 2018 23:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217MBS01

Tgt Ion: 76 Resp: 360313
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.8 38.8

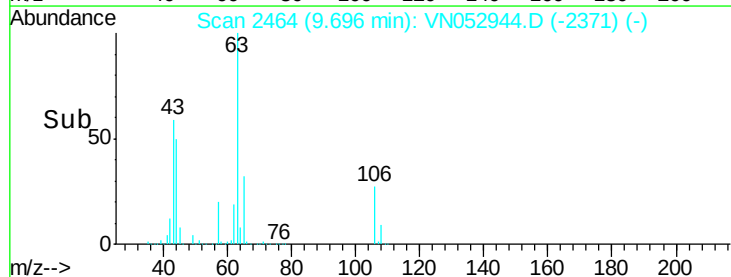
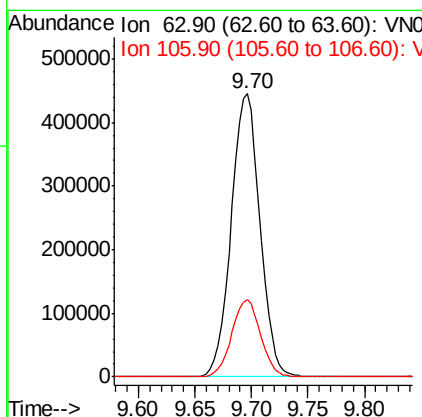
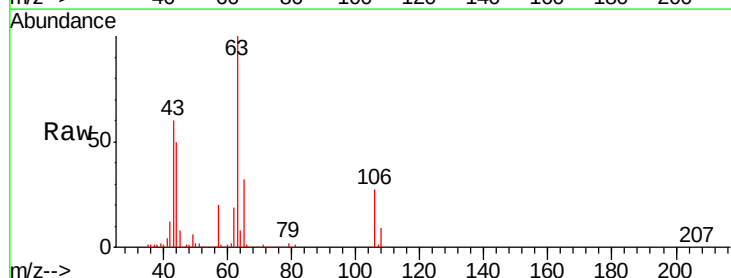
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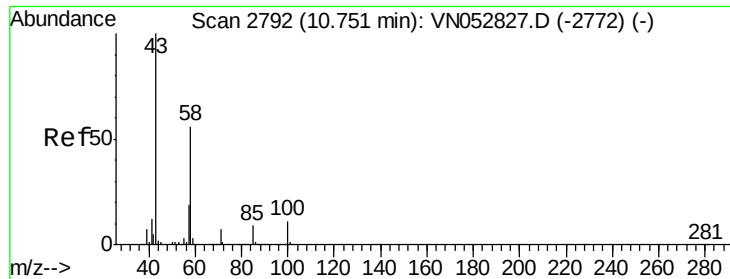
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#58
 2-Chloroethyl Vinyl ether
 Concen: 104.282 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052944.D
 Acq: 17 Dec 2018 23:38

Tgt Ion: 63 Resp: 787661
 Ion Ratio Lower Upper
 63 100
 106 27.4 21.0 31.6





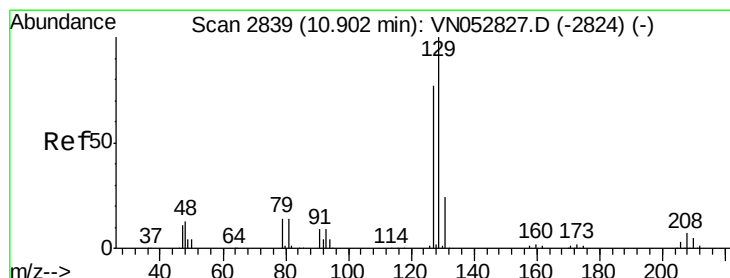
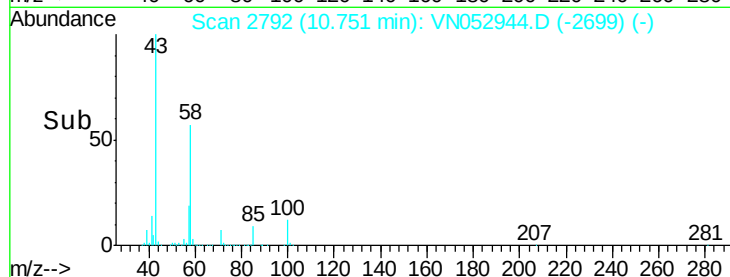
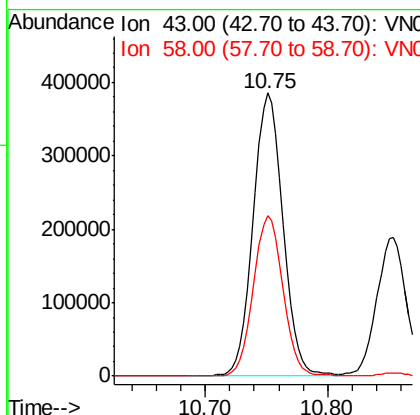
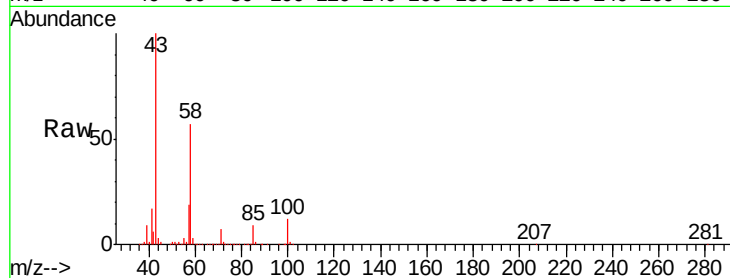
#59
2-Hexanone
Concen: 102.172 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Instrument :
MSVOA_N
ClientSampleId :
VN1217MBS01

Tgt Ion: 43 Resp: 642816
Ion Ratio Lower Upper
43 100
58 57.0 28.1 84.3

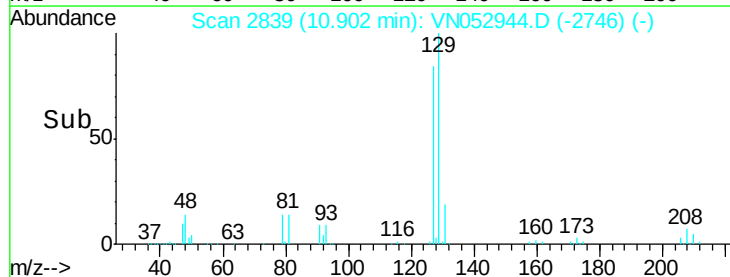
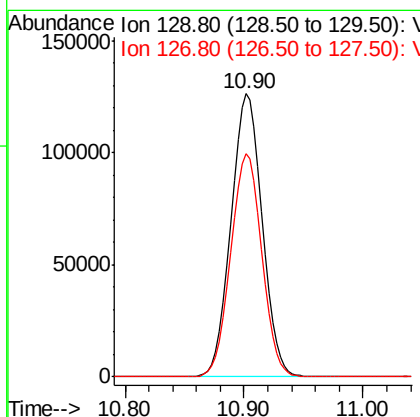
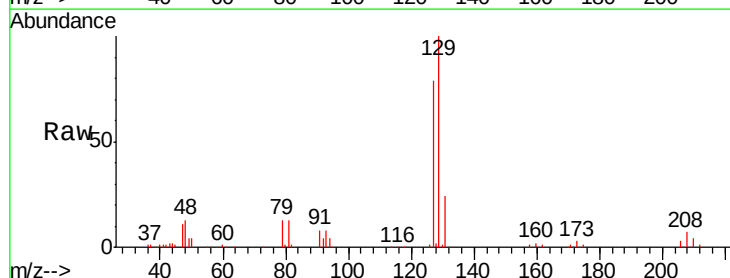
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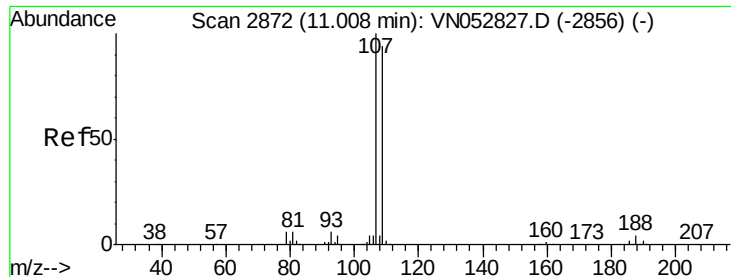
MMDadoda
12/18/2018 1:33:54 PM



#60
Dibromochloromethane
Concen: 20.104 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Tgt Ion: 129 Resp: 229181
Ion Ratio Lower Upper
129 100
127 78.7 38.6 116.0





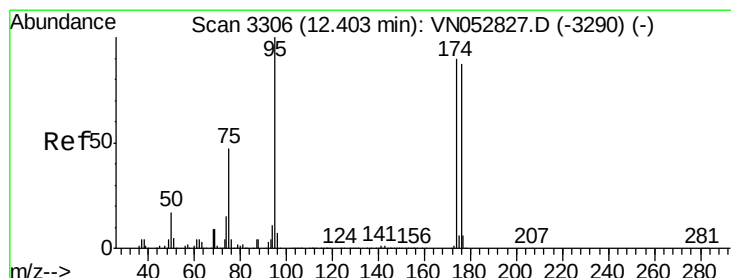
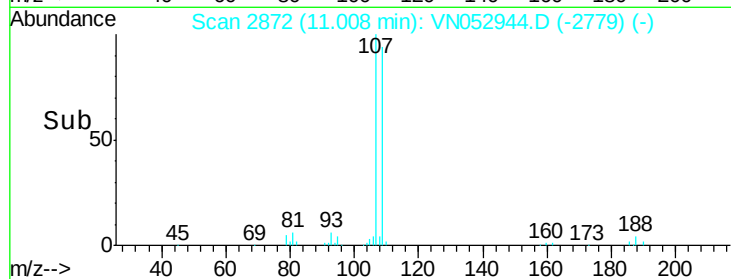
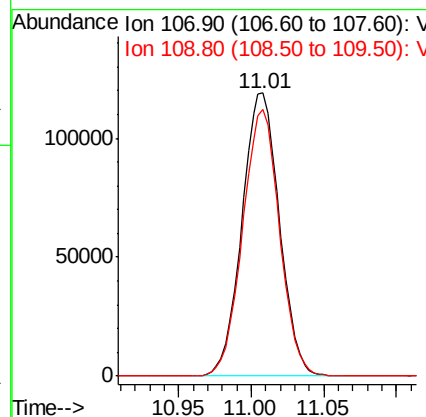
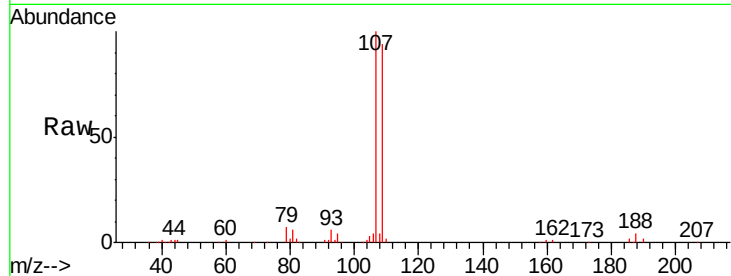
#61
 1,2-Dibromoethane
 Concen: 20.449 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052944.D
 Acq: 17 Dec 2018 23:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	213210		
109	93.3	75.4	113.0	

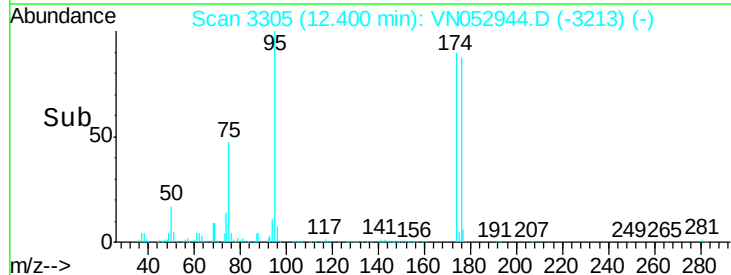
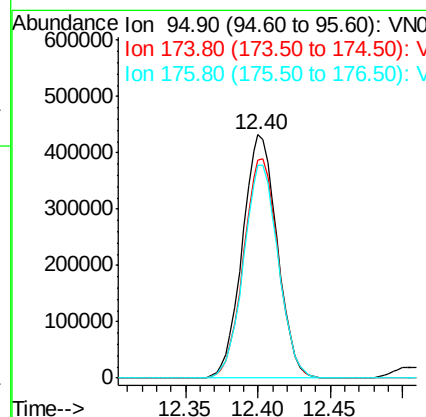
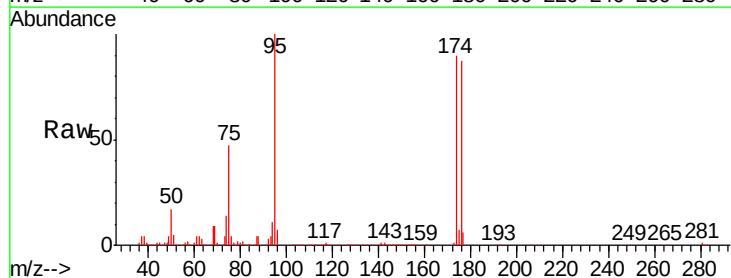
Manual Integrations
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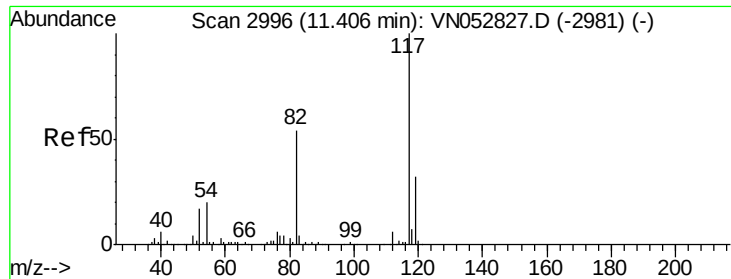
MMDadoda
 12/18/2018 1:33:54 PM



#62
 4-Bromofluorobenzene
 Concen: 20.449 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052944.D
 Acq: 17 Dec 2018 23:38

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	721335		
174	89.8	0.0	178.8	
176	87.2	0.0	173.8	





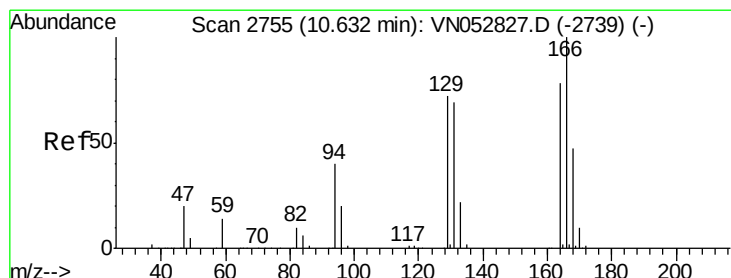
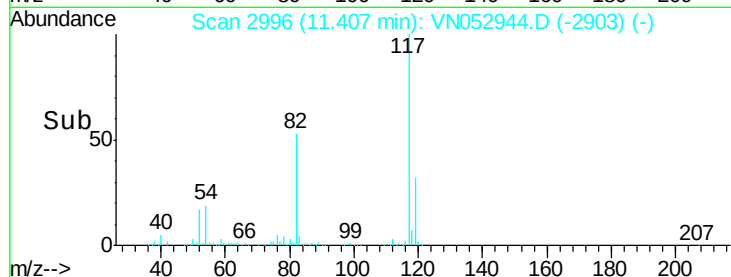
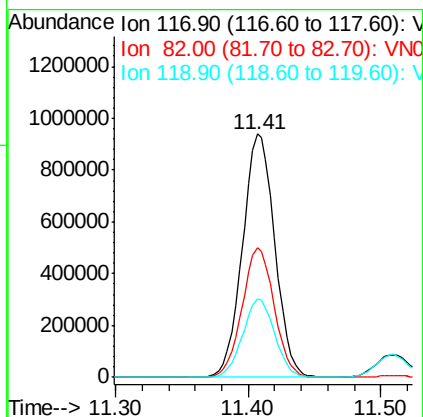
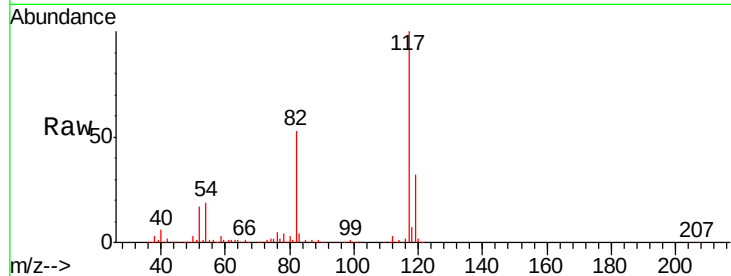
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Instrument :
MSVOA_N
ClientSampleId :
VN1217MBS01

Tgt Ion:117 Resp: 1583329
Ion Ratio Lower Upper
117 100
82 53.2 42.8 64.2
119 32.0 25.5 38.3

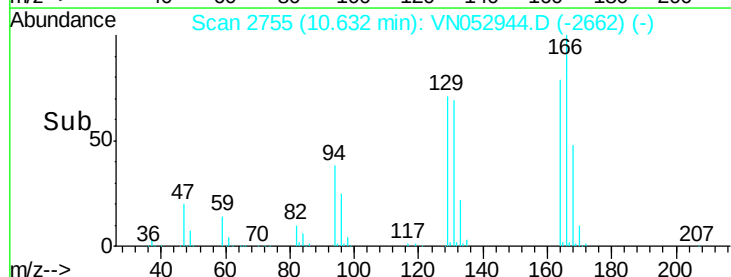
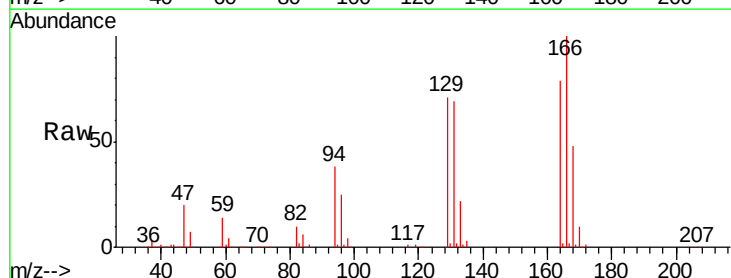
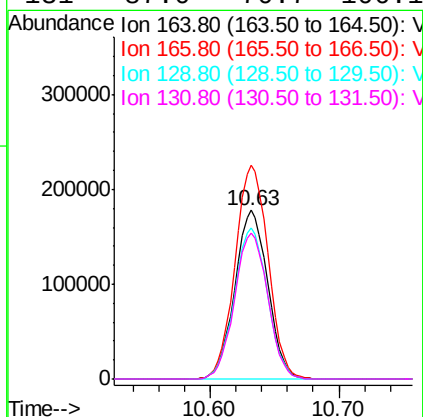
Manual Integrations
APPROVED

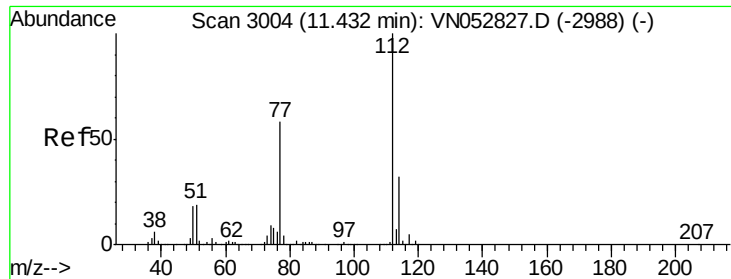
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#64
Tetrachloroethene
Concen: 23.198 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Tgt Ion:164 Resp: 315690
Ion Ratio Lower Upper
164 100
166 126.8 102.9 154.3
129 89.9 73.7 110.5
131 87.0 70.7 106.1





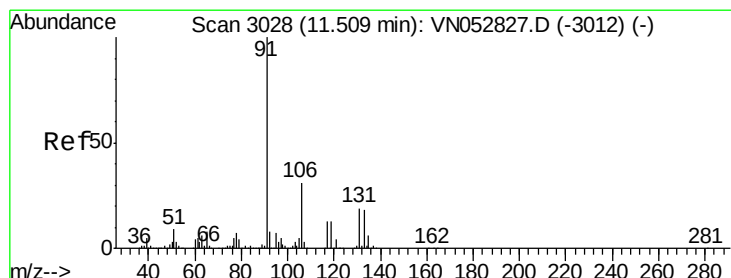
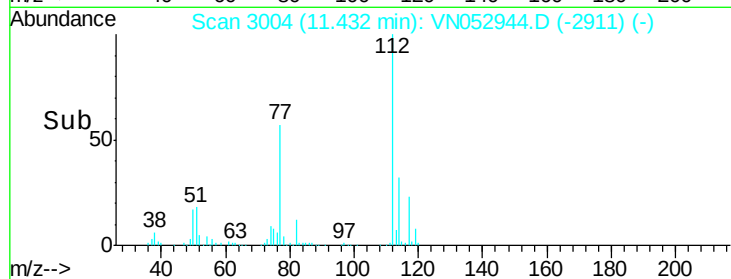
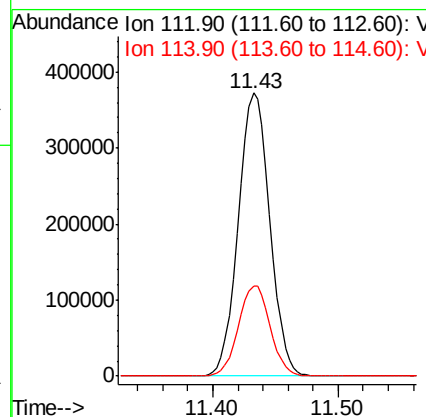
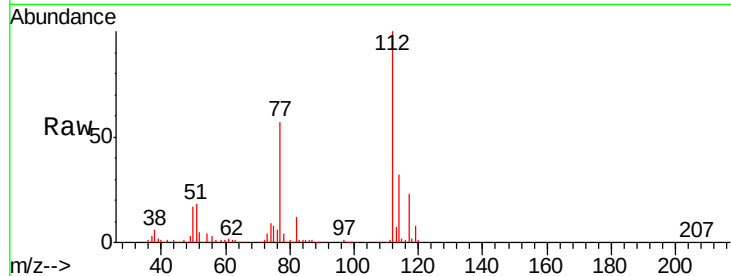
#65
Chlorobenzene
Concen: 19.752 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Instrument :
MSVOA_N
ClientSampleId :
VN1217MBS01

Tgt Ion:112 Resp: 648812
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3

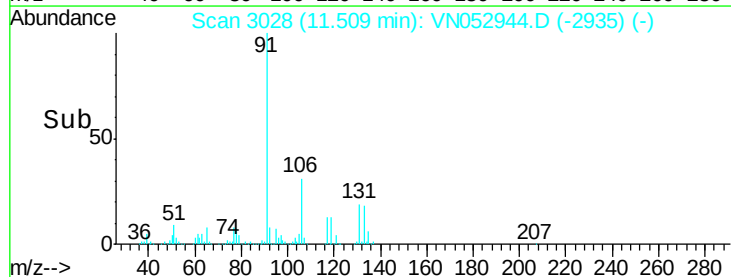
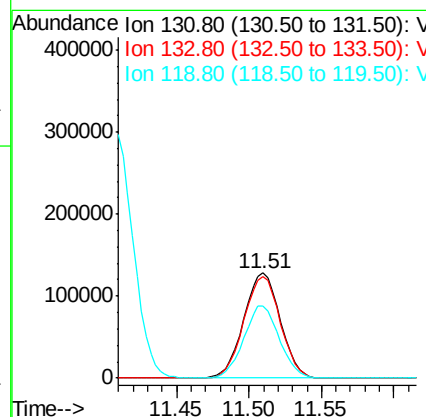
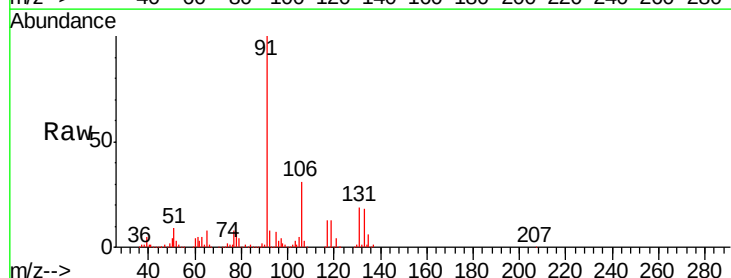
Manual Integrations
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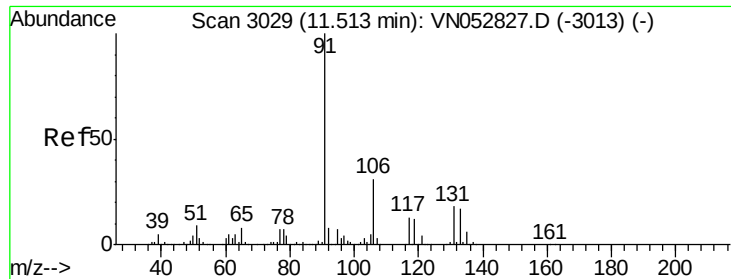
MMDadoda
12/18/2018 1:33:54 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.699 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Tgt Ion:131 Resp: 225045
Ion Ratio Lower Upper
131 100
133 96.6 47.6 142.9
119 67.2 33.3 99.8





#67

Ethyl Benzene

Concen: 19.732 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Instrument :

MSVOA_N

ClientSampleId :

VN1217MBS01

Tgt Ion: 91 Resp: 1113122

Ion Ratio Lower Upper

91 100

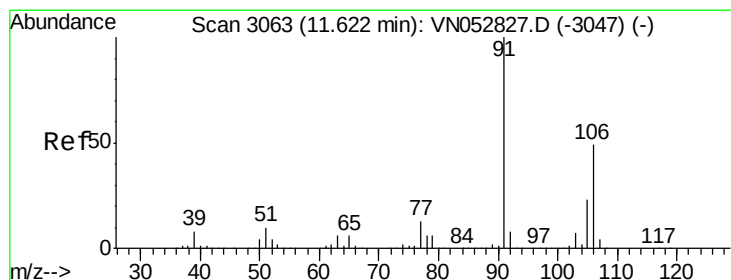
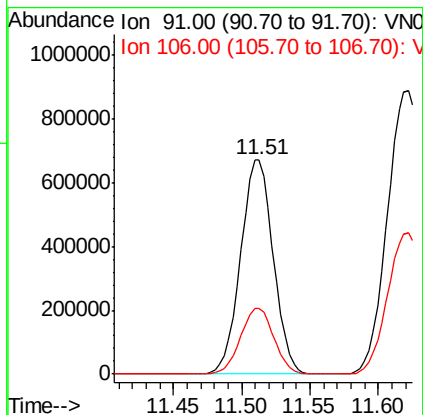
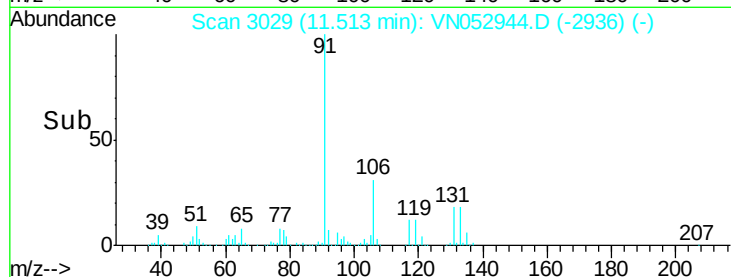
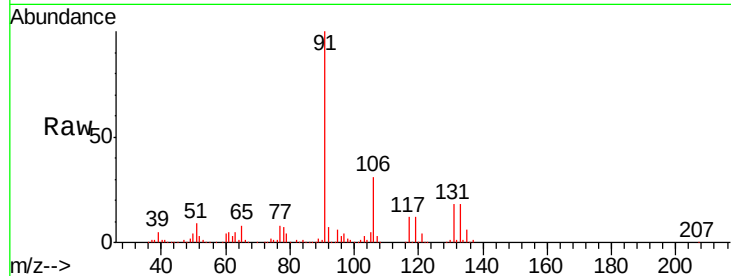
106 30.9 24.9 37.3

Manual Integrations

APPROVED

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#68

m/p-Xylenes

Concen: 39.958 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052944.D

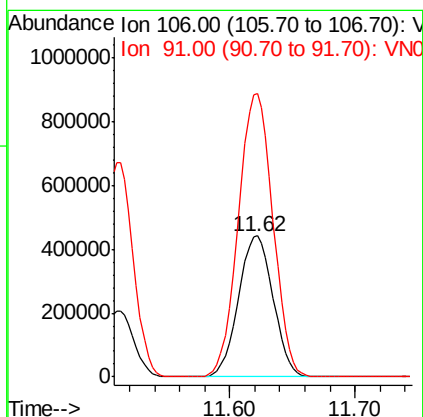
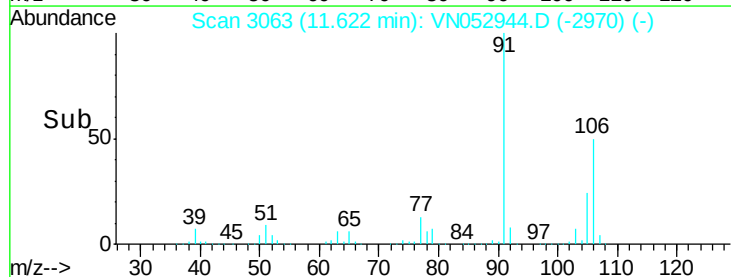
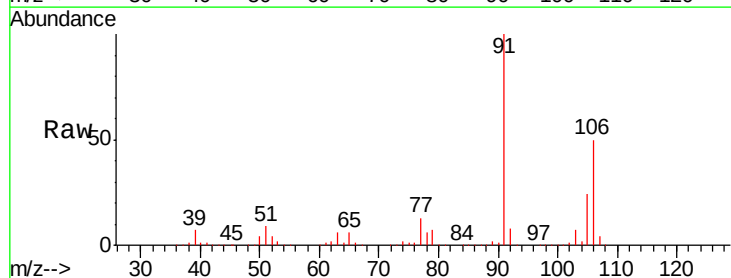
Acq: 17 Dec 2018 23:38

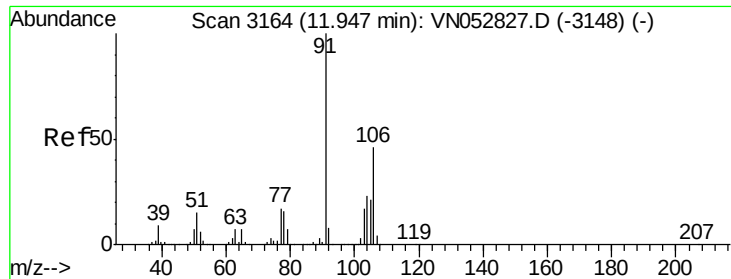
Tgt Ion: 106 Resp: 846376

Ion Ratio Lower Upper

106 100

91 200.7 162.2 243.4





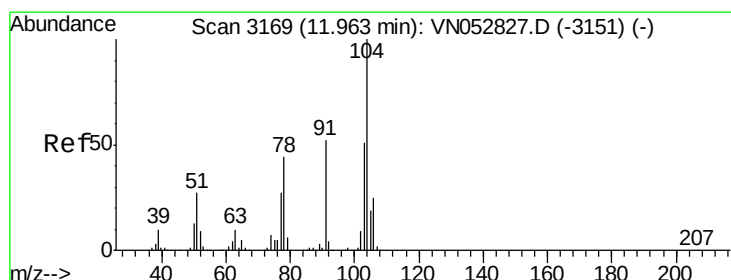
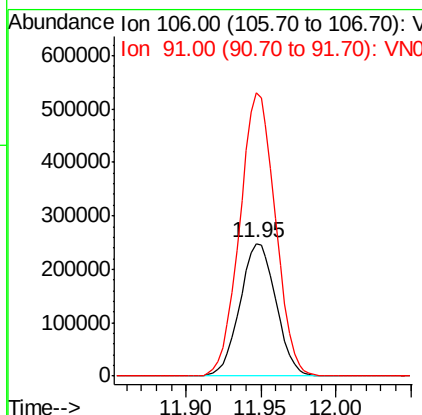
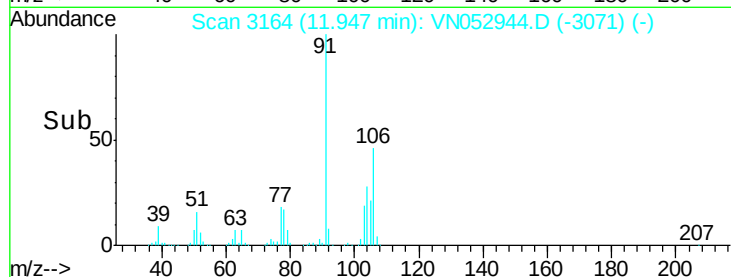
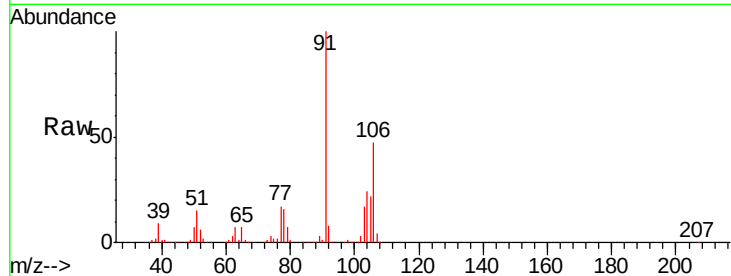
#69
o-Xylene
Concen: 20.077 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Instrument :
MSVOA_N
ClientSampleId :
VN1217MBS01

Tgt Ion:106 Resp: 415261
Ion Ratio Lower Upper
106 100
91 211.2 106.6 319.8

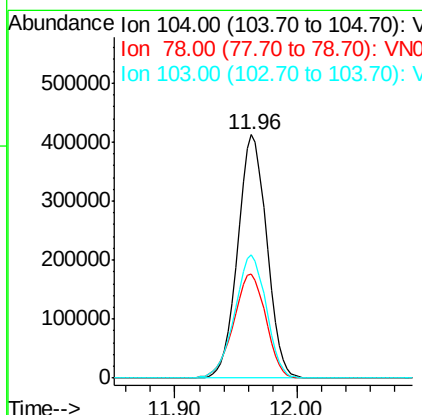
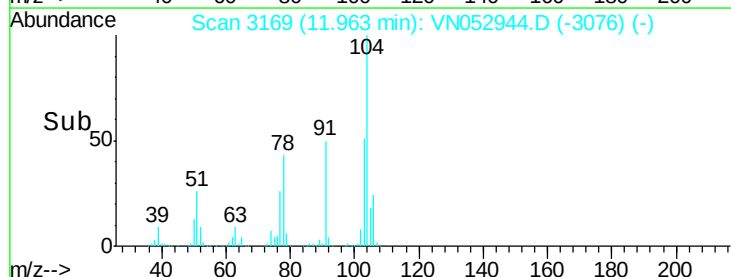
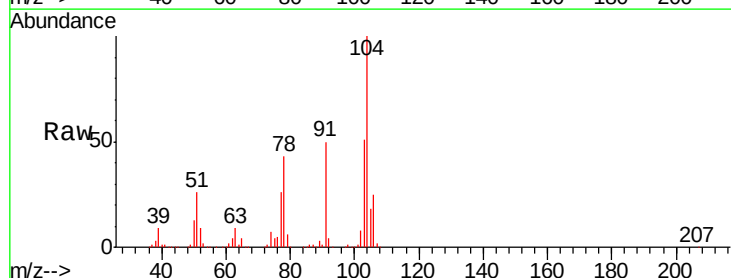
Manual Integrations
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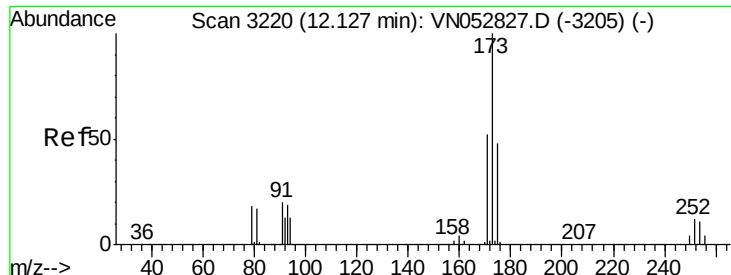
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#70
Styrene
Concen: 20.357 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Tgt Ion:104 Resp: 676855
Ion Ratio Lower Upper
104 100
78 47.7 38.9 58.3
103 55.2 44.3 66.5





#71

Bromoform

Concen: 20.316 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Instrument :

MSVOA_N

ClientSampleId :

VN1217MBS01

Tgt Ion:173 Resp: 157677

Ion Ratio Lower Upper

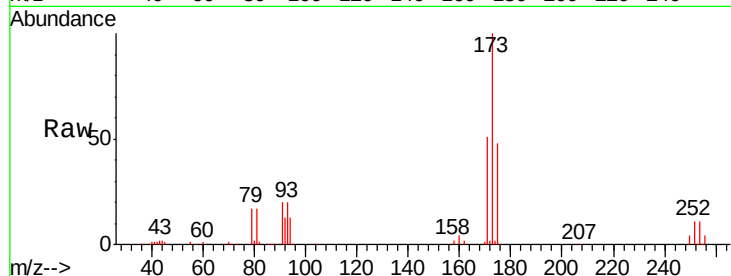
173 100

175 48.4 24.3 72.9

254 0.1 0.1 0.1#

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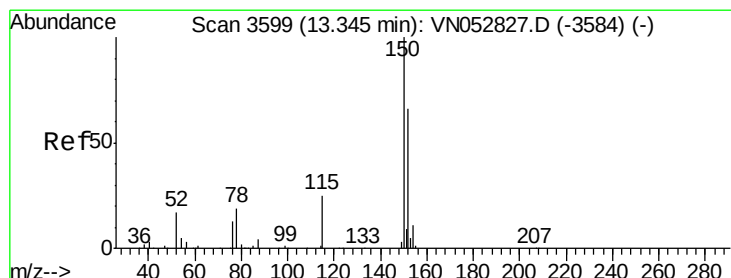
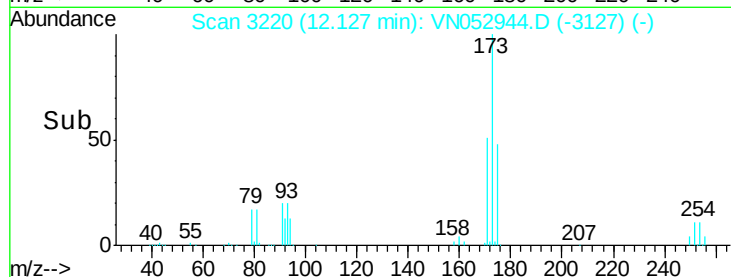
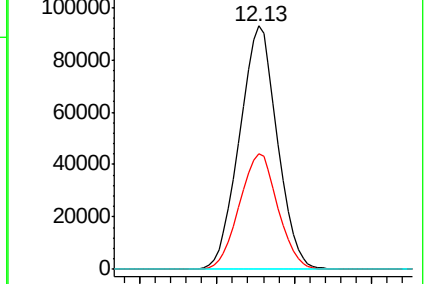
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

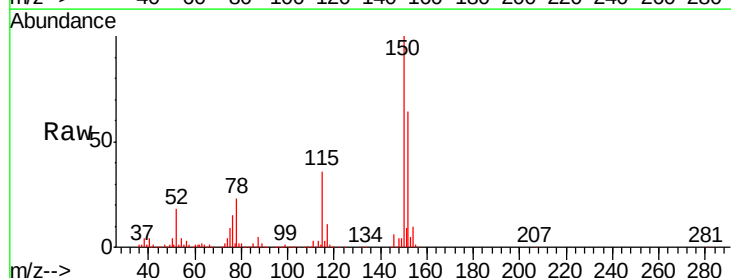
Tgt Ion:152 Resp: 703211

Ion Ratio Lower Upper

152 100

115 55.9 28.3 85.0

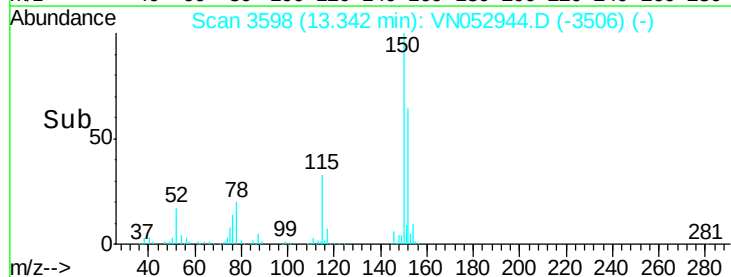
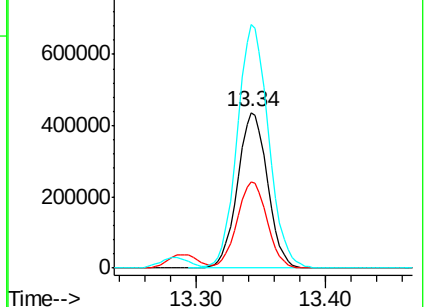
150 164.0 0.0 347.8

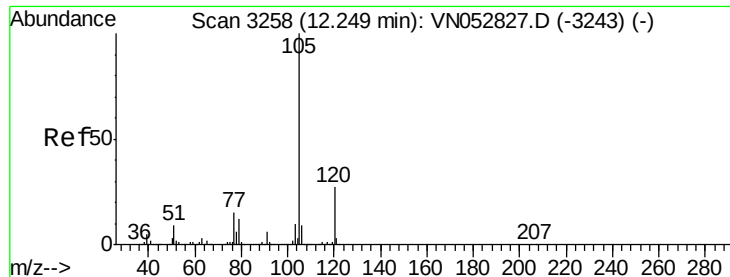


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





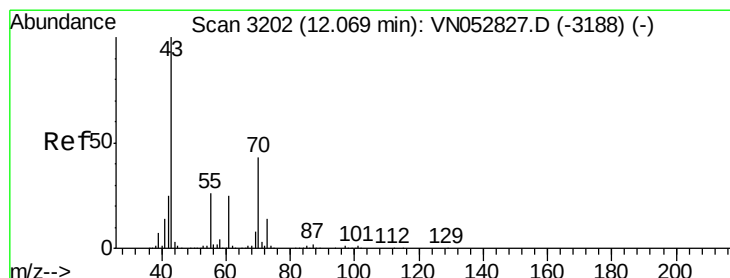
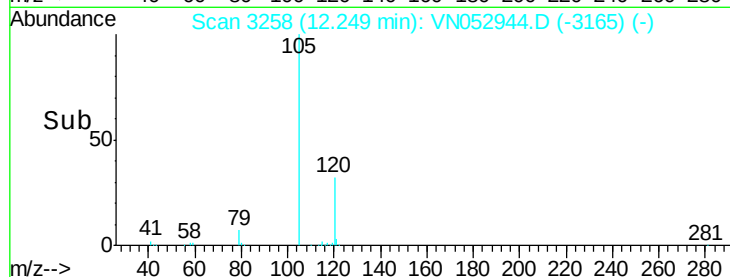
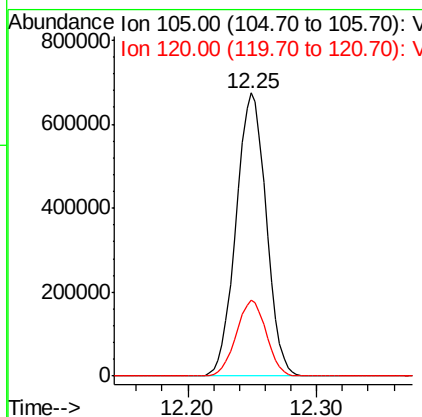
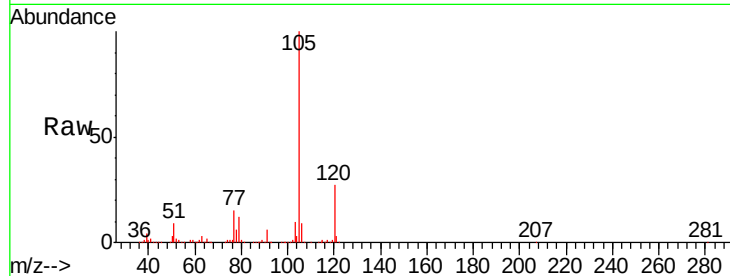
#73
Isopropylbenzene
Concen: 20.829 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Instrument :
MSVOA_N
ClientSampleId :
VN1217MBS01

Tgt Ion: 105 Resp: 1093612
Ion Ratio Lower Upper
105 100
120 26.8 13.3 39.9

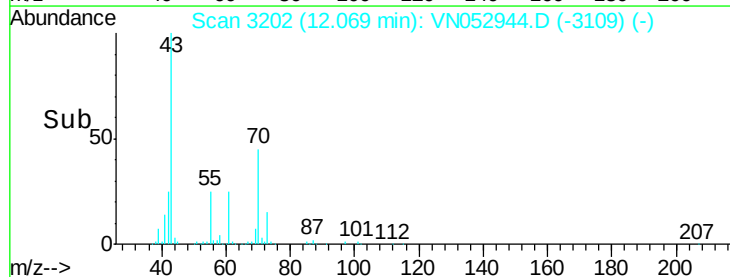
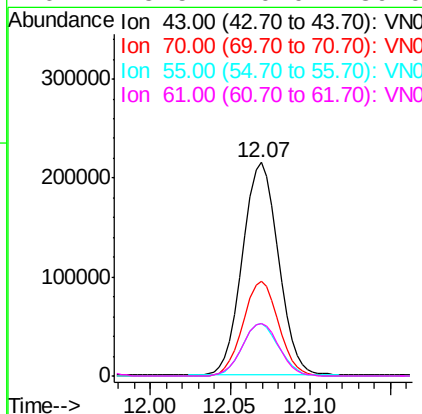
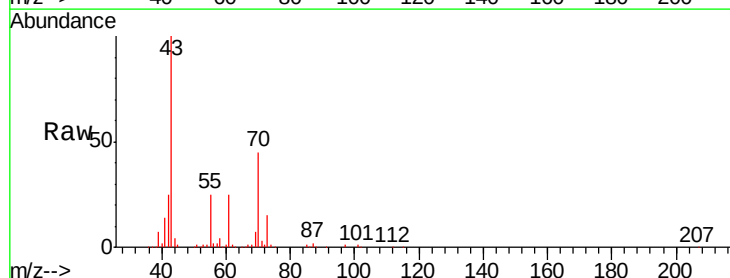
Manual Integrations
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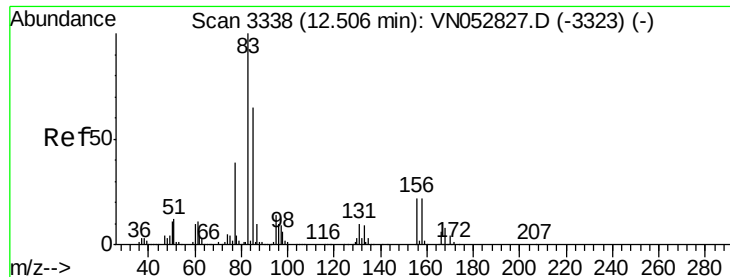
MMDadoda
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#74
N-ethyl acetate
Concen: 22.713 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Tgt Ion: 43 Resp: 327393
Ion Ratio Lower Upper
43 100
70 44.4 34.2 51.4
55 25.6 20.3 30.5
61 25.5 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.353 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Instrument :

MSVOA_N

ClientSampleId :

VN1217MBS01

Tgt Ion: 83 Resp: 227728
Ion Ratio Lower Upper

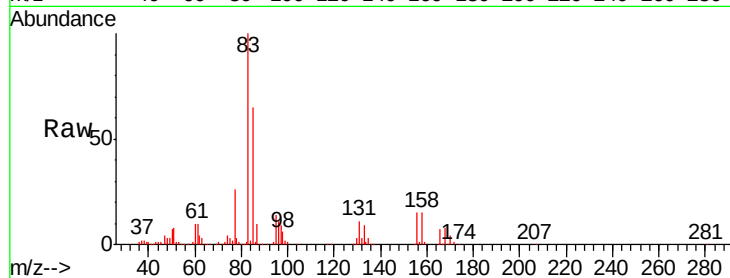
83 100

131 10.8 5.2 15.6

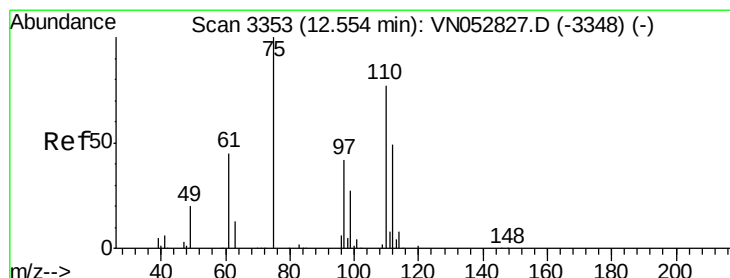
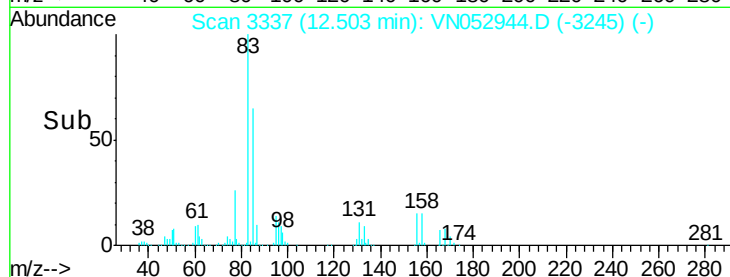
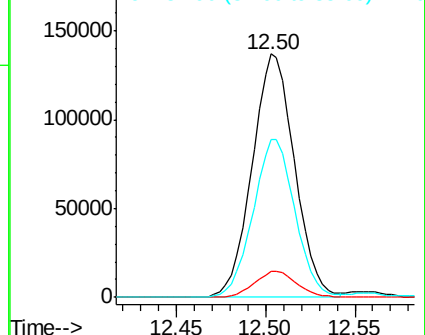
85 64.2 32.4 97.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN052827.D (-3323) (-)
Ion 130.80 (130.50 to 131.50): VN052827.D (-3323) (-)
Ion 84.90 (84.60 to 85.60): VN052827.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 20.638 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

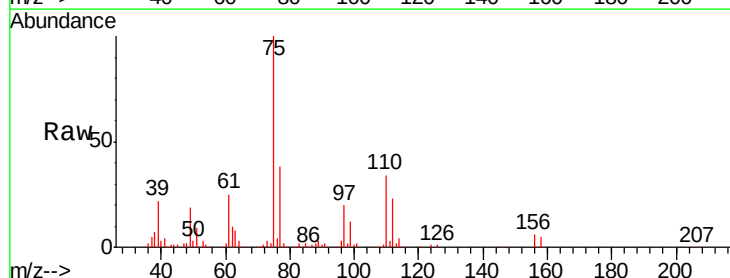
Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

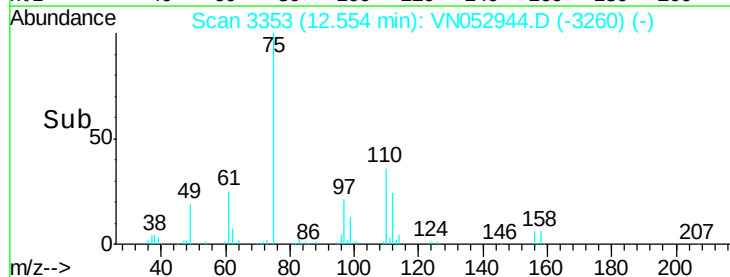
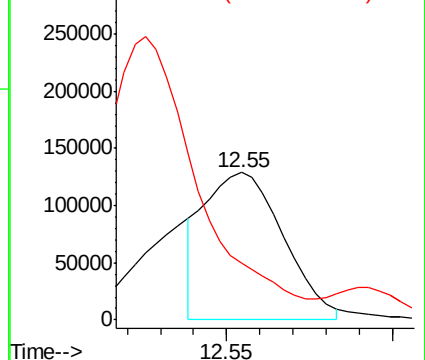
Tgt Ion: 75 Resp: 214125
Ion Ratio Lower Upper

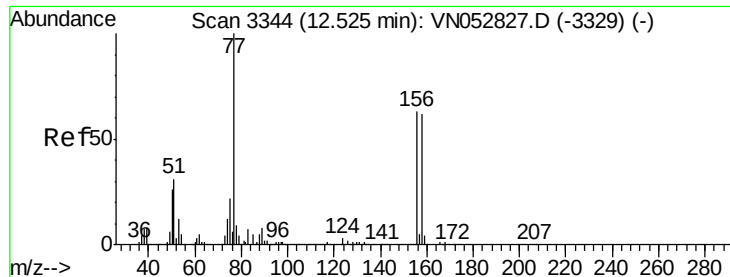
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052827.D (-3348) (-)
Ion 77.00 (76.70 to 77.70): VN052827.D (-3348) (-)





#77

Bromobenzene

Concen: 21.011 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Instrument :

MSVOA_N

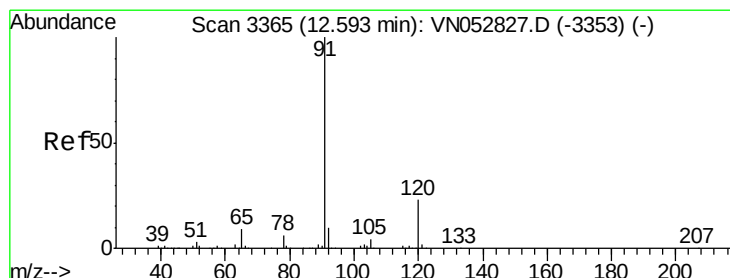
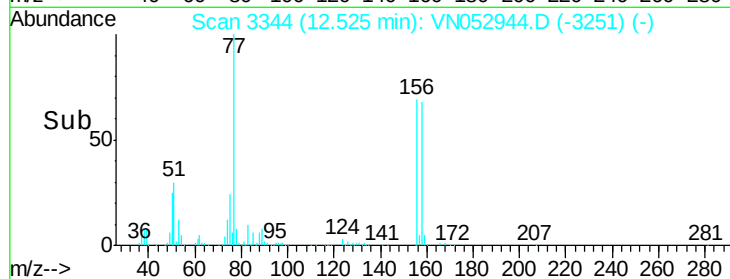
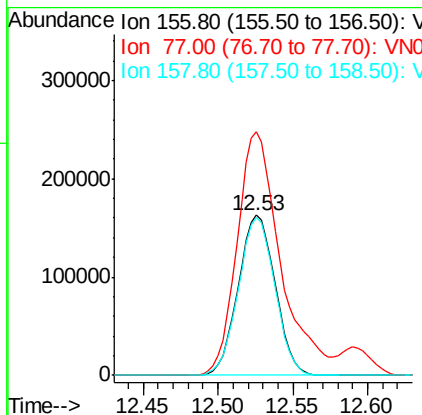
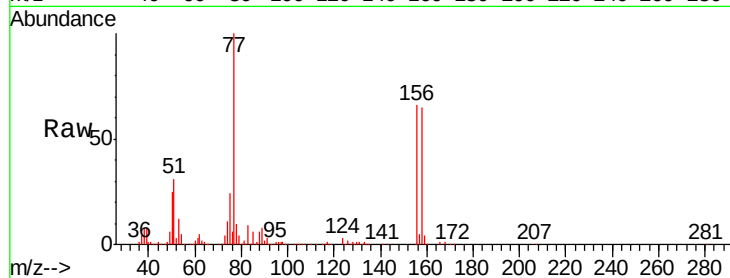
ClientSampleId :

VN1217MBS01

Tgt Ion:	156	Resp:	280581
Ion Ratio	Lower	Upper	
156	100		
77	178.7	91.3	273.8
158	97.6	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 20.468 ug/l

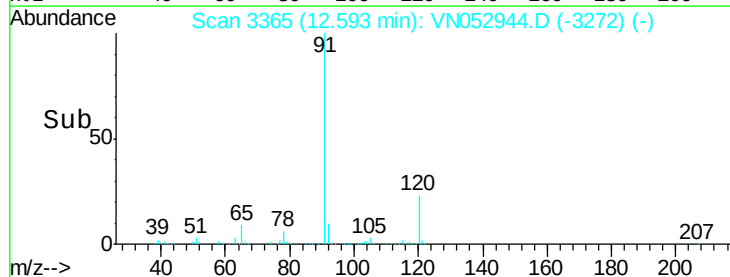
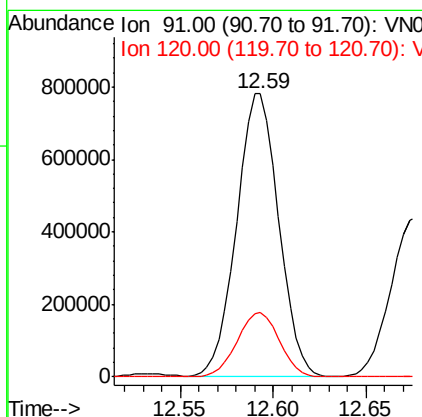
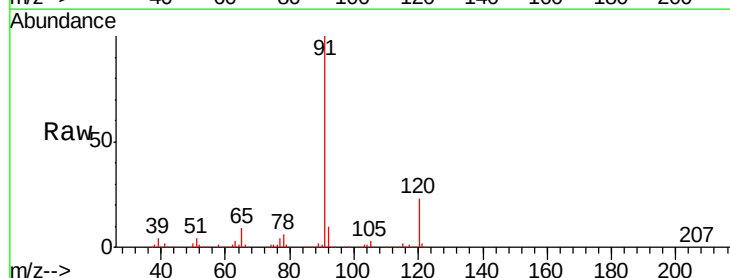
RT: 12.59 min Scan# 3365

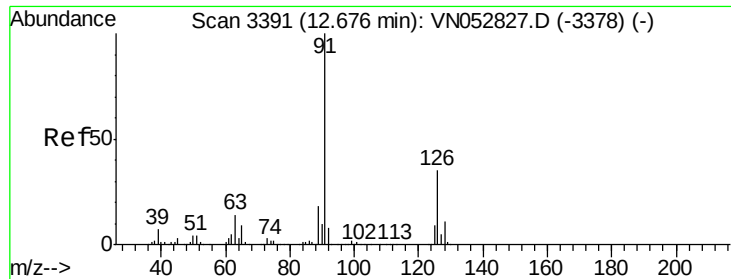
Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Tgt Ion:	91	Resp:	1225658
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.5	34.5





#79

2-Chlorotoluene

Concen: 20.374 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Instrument :

MSVOA_N

ClientSampleId :

VN1217MBS01

Tgt Ion: 91 Resp: 721264

Ion Ratio Lower Upper

91 100

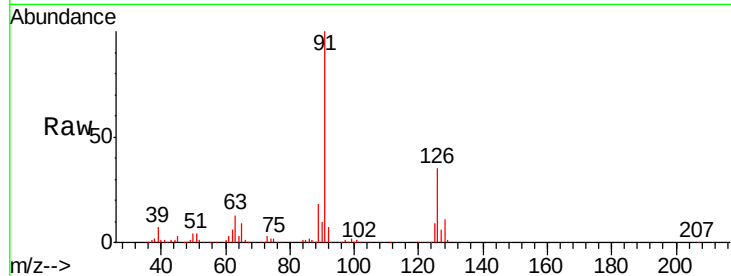
126 35.5 17.4 52.3

Manual Integrations

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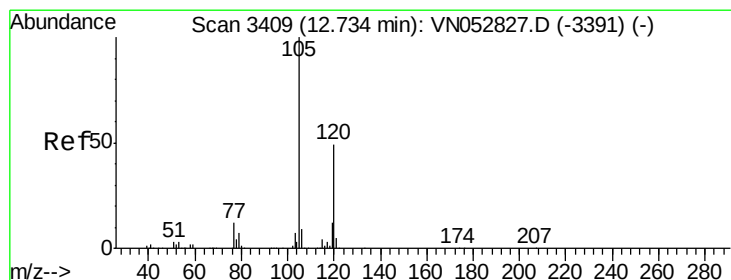
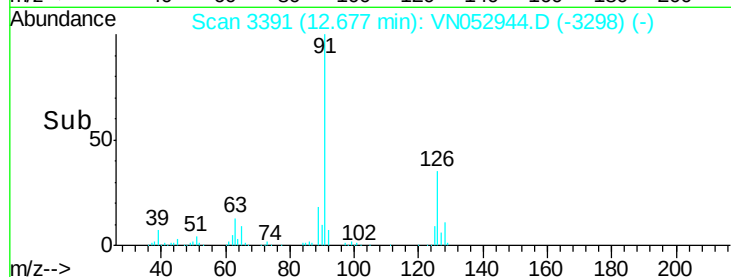
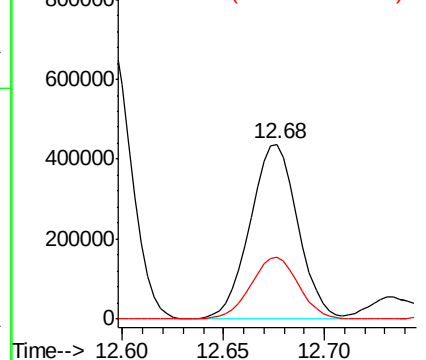
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Abundance Ion 91.00 (90.70 to 91.70): VN052827.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN052827.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.463 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052944.D

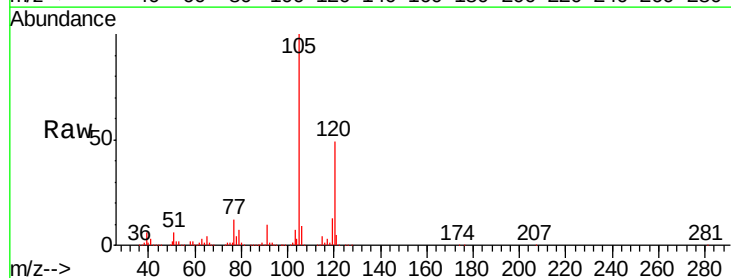
Acq: 17 Dec 2018 23:38

Tgt Ion: 105 Resp: 867306

Ion Ratio Lower Upper

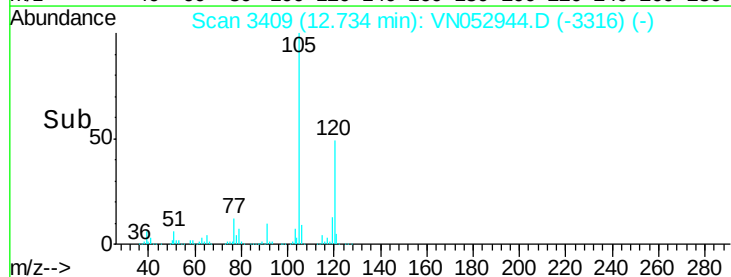
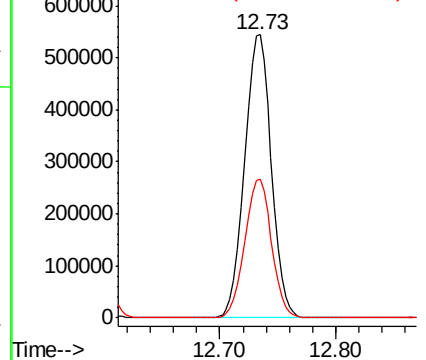
105 100

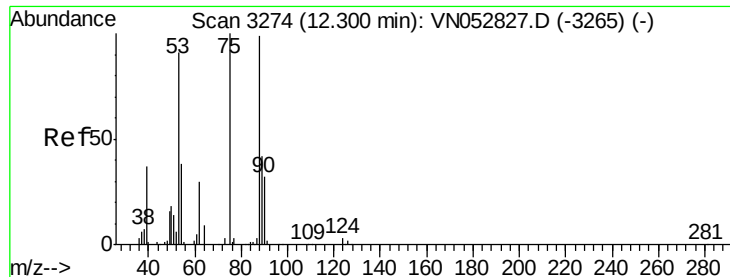
120 49.1 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN052827.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN052827.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.467 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Instrument :

MSVOA_N

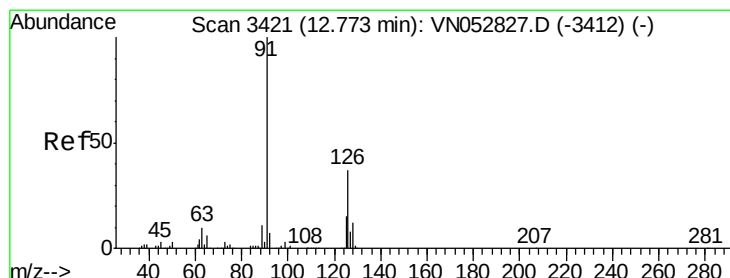
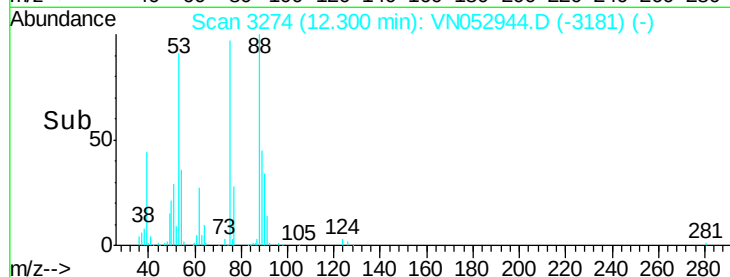
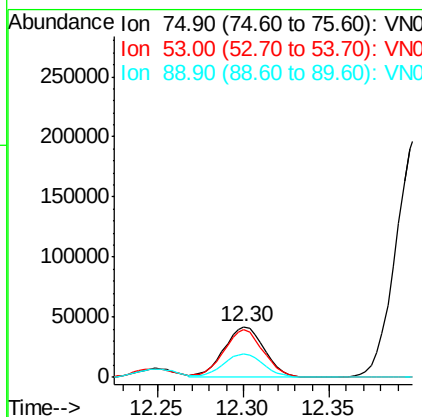
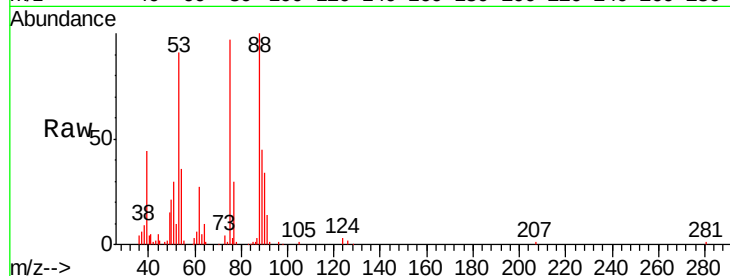
ClientSampleId :

VN1217MBS01

Tgt Ion:	75	Resp:	69330
Ion	Ratio	Lower	Upper
75	100		
53	91.6	74.7	112.1
89	46.1	36.1	54.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.986 ug/l

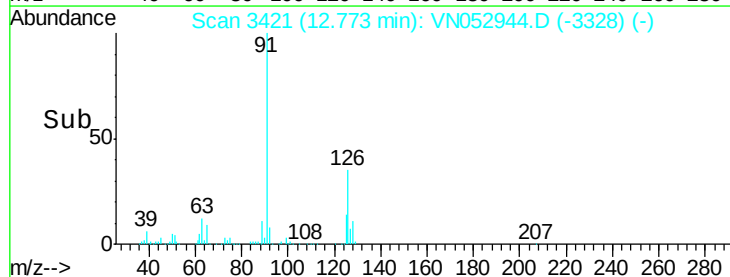
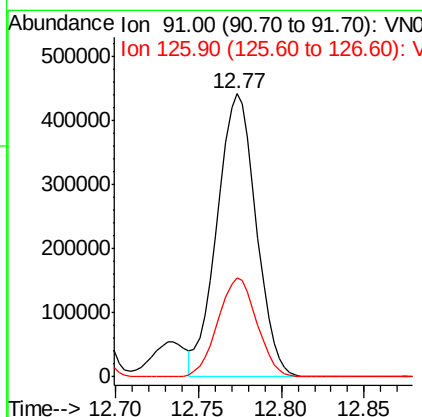
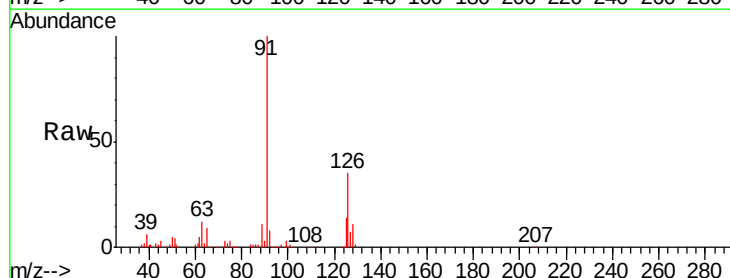
RT: 12.77 min Scan# 3421

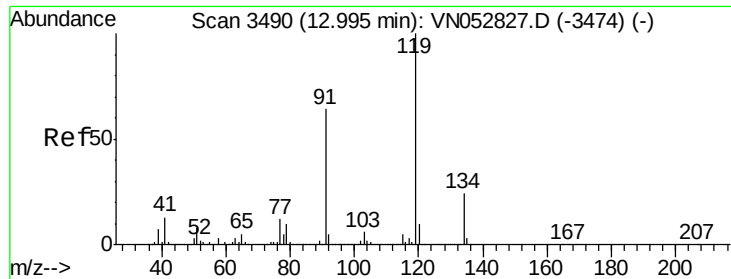
Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Tgt Ion:	91	Resp:	723396
Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.3	51.7





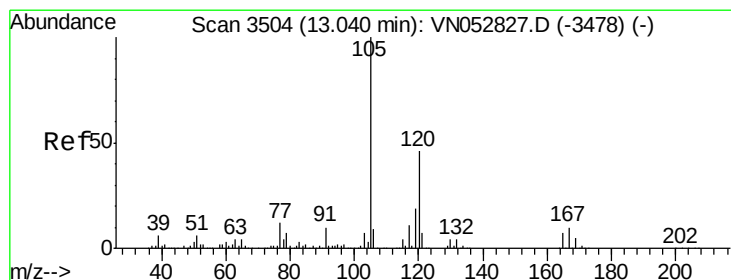
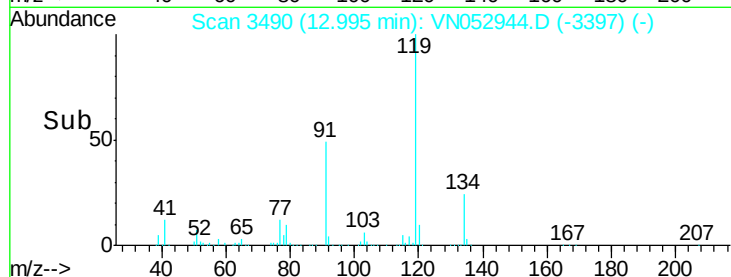
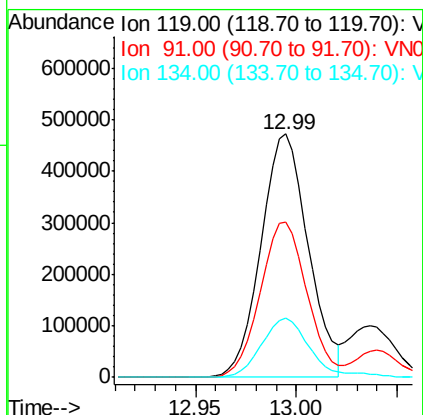
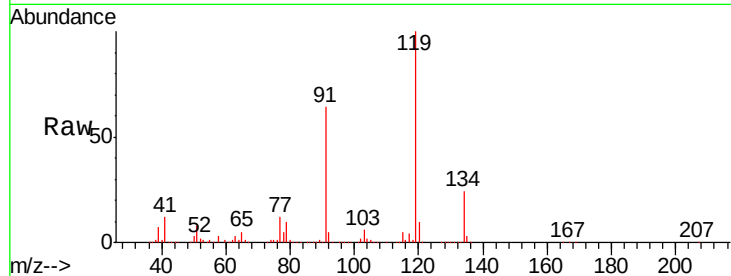
#83
 tert-Butylbenzene
 Concen: 20.612 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052944.D
 Acq: 17 Dec 2018 23:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	770661		
91	63.5		31.9	95.5
134	25.1		12.8	38.4

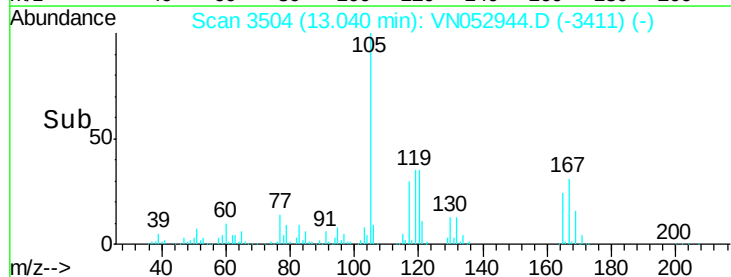
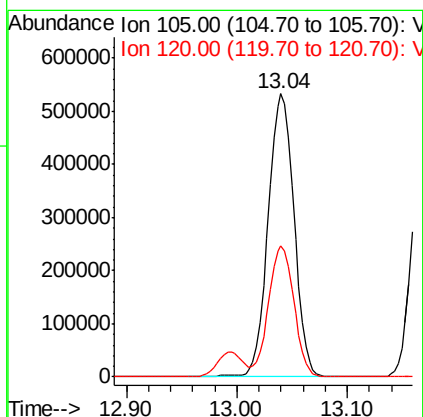
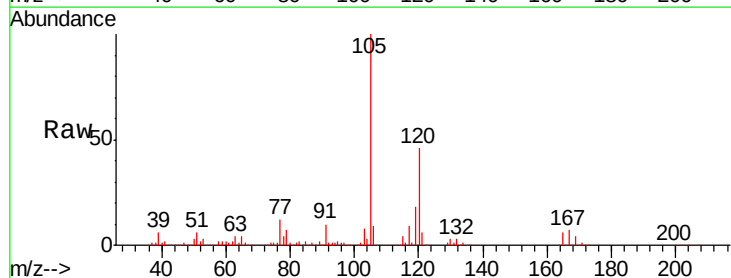
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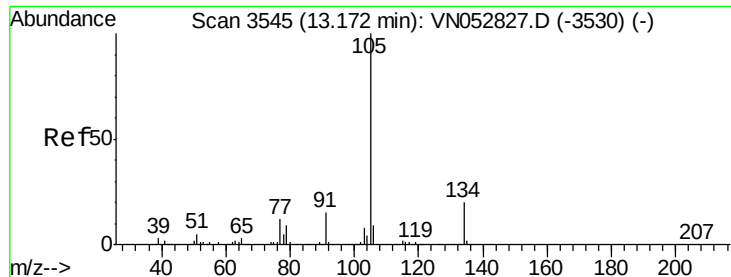
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.194 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052944.D
 Acq: 17 Dec 2018 23:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	866479		
120	45.5		22.9	68.8





#85

sec-Butylbenzene

Concen: 20.326 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

Instrument :

MSVOA_N

ClientSampleId :

VN1217MBS01

Tgt Ion:105 Resp: 1029173

Ion Ratio Lower Upper

105 100

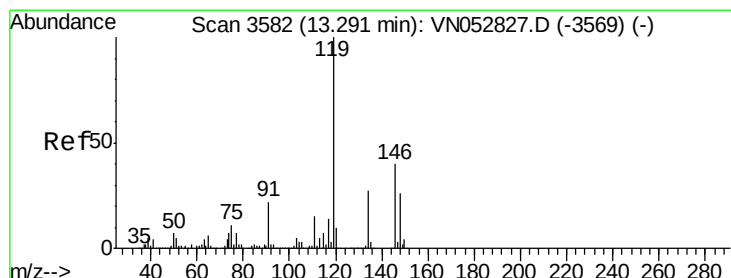
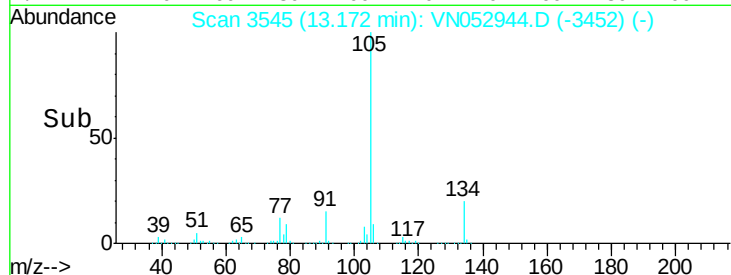
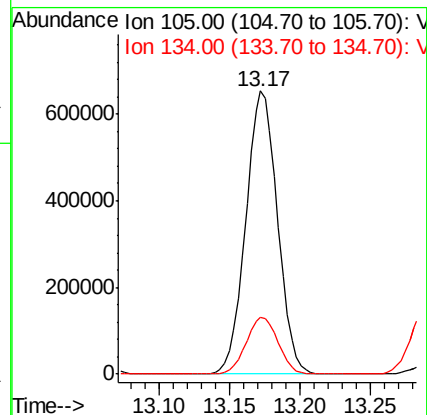
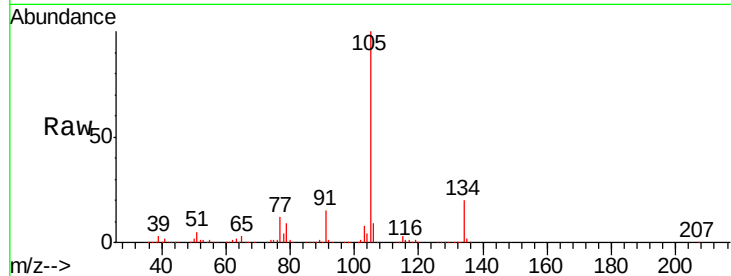
134 20.4 10.1 30.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.914 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN052944.D

Acq: 17 Dec 2018 23:38

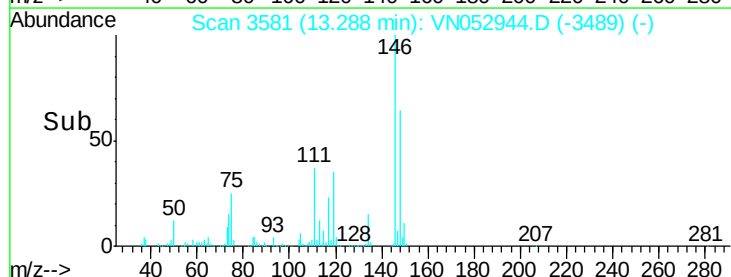
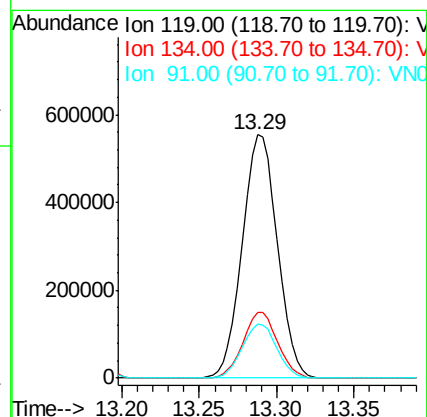
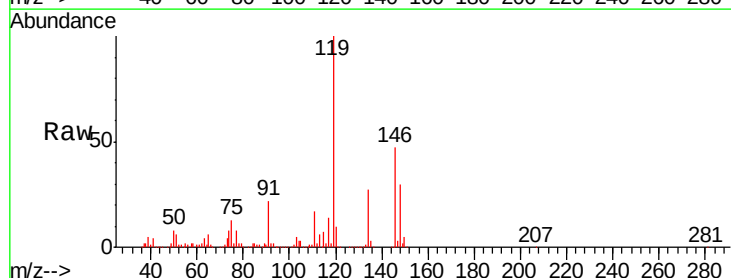
Tgt Ion:119 Resp: 873601

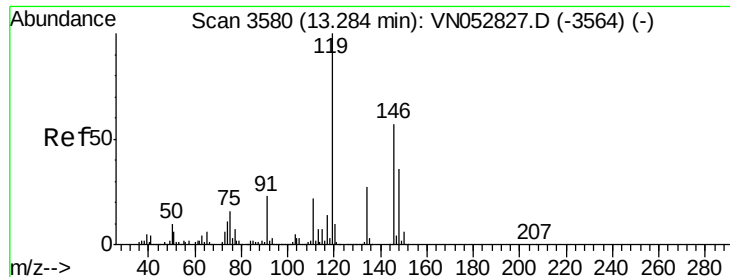
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 22.0 11.1 33.3





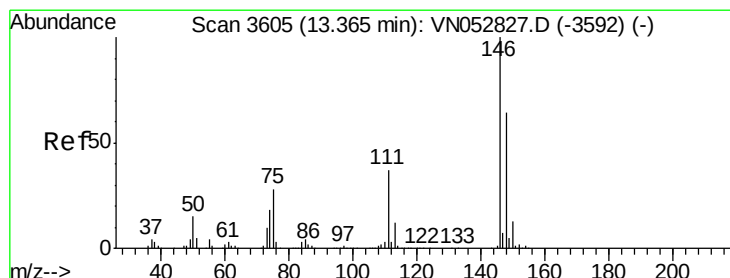
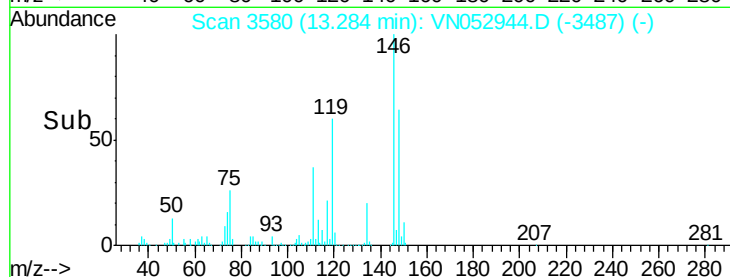
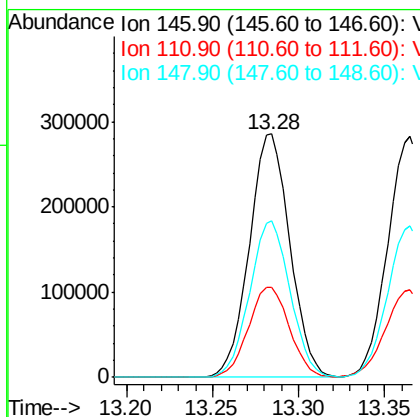
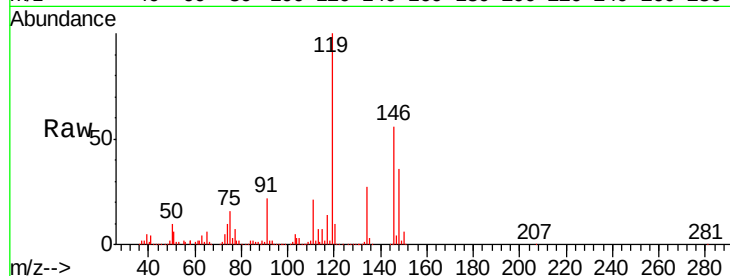
#87
 1,3-Dichlorobenzene
 Concen: 19.648 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052944.D
 Acq: 17 Dec 2018 23:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217MBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.1	57.1
148	64.1	32.0	96.0

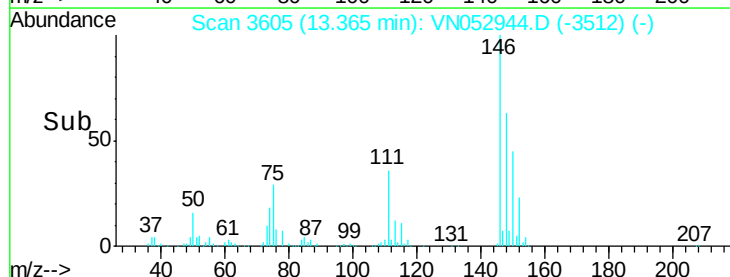
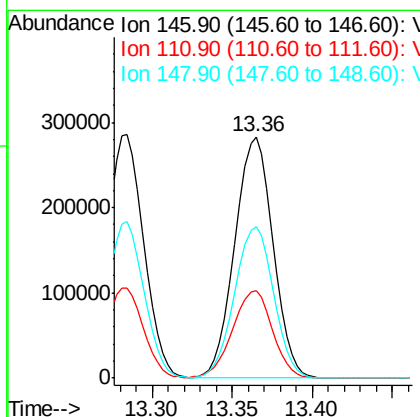
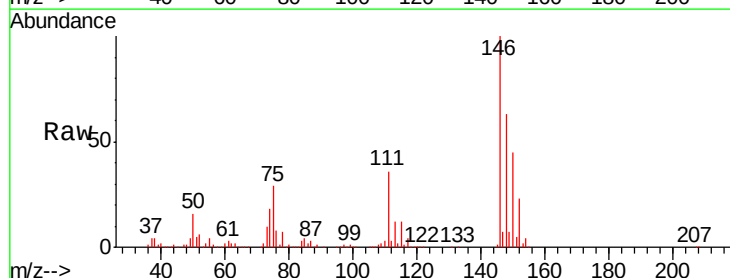
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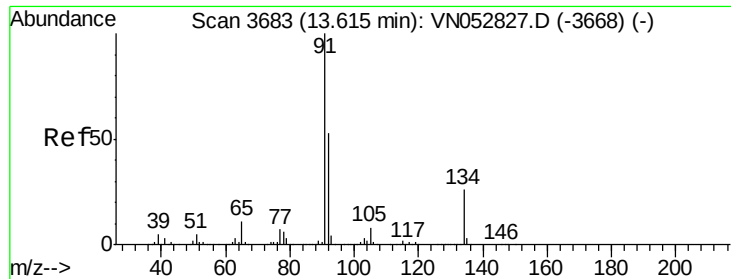
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#88
 1,4-Dichlorobenzene
 Concen: 19.624 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052944.D
 Acq: 17 Dec 2018 23:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.6	55.8
148	64.0	32.1	96.5





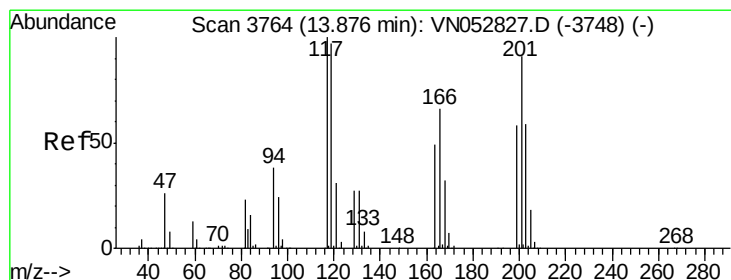
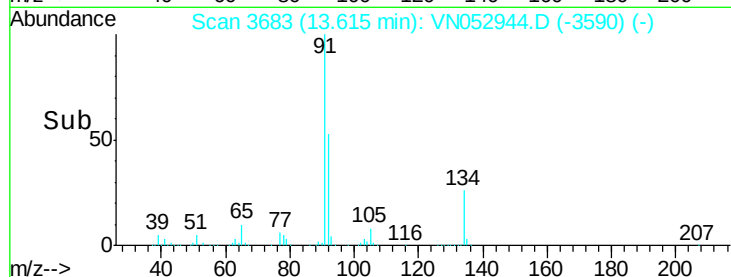
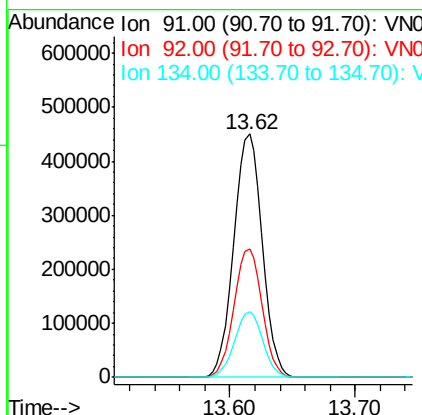
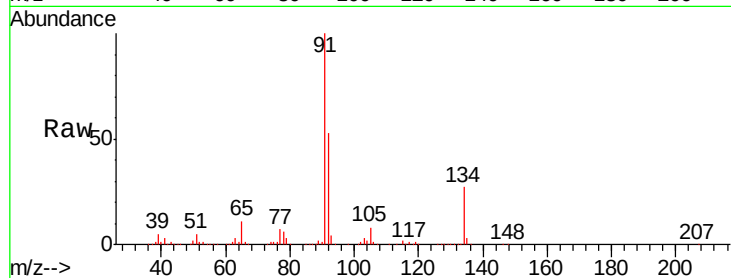
#89
n-Butylbenzene
Concen: 19.193 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Instrument :
MSVOA_N
ClientSampleId :
VN1217MBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.3	78.9
134	26.7	13.3	39.8

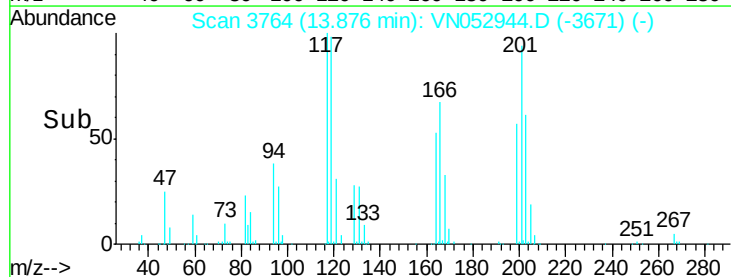
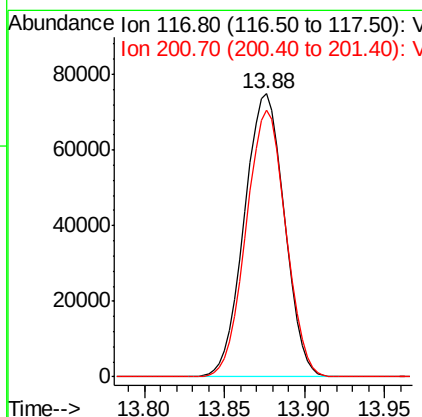
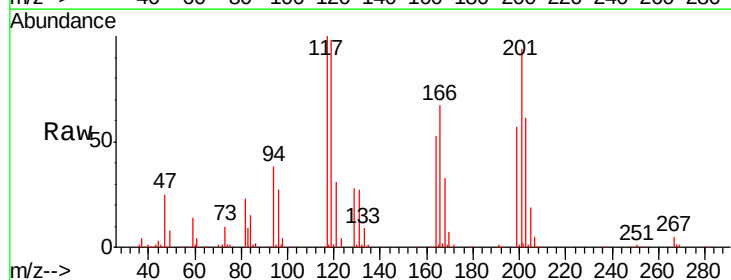
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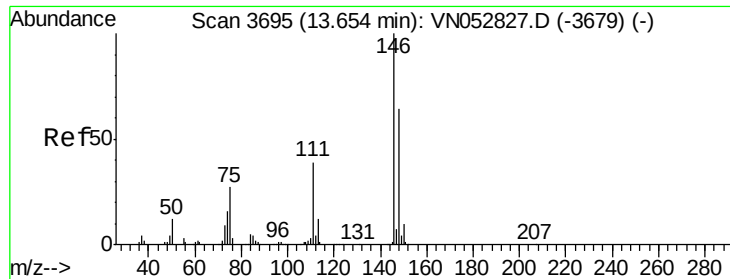
MMDadoda
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#90
Hexachloroethane
Concen: 17.464 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.9	45.7	137.1





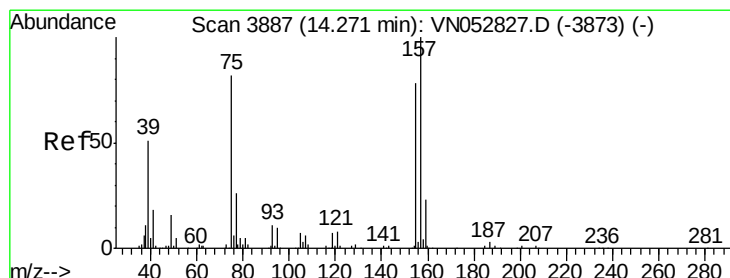
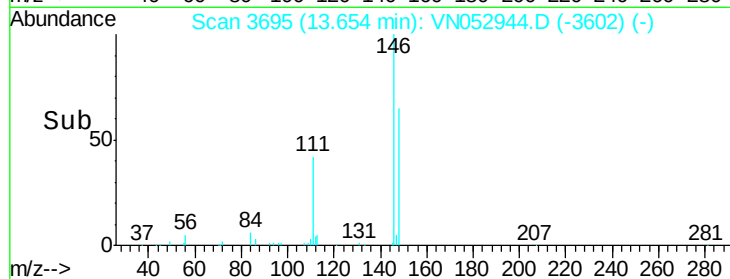
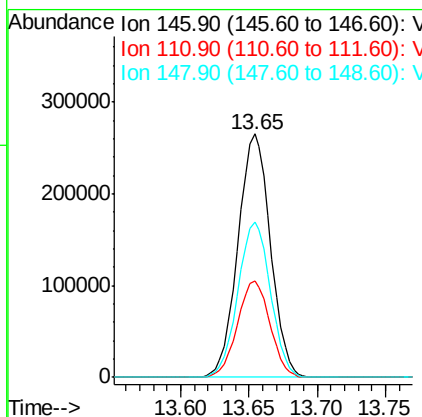
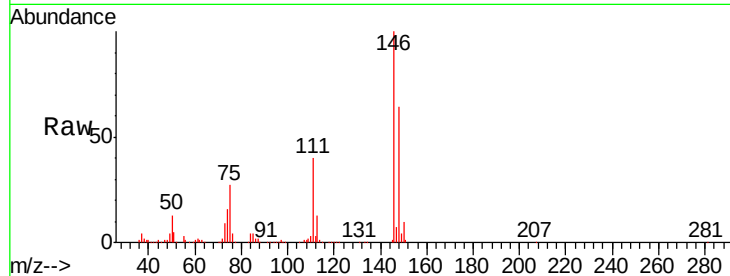
#91
 1,2-Dichlorobenzene
 Concen: 19.212 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052944.D
 Acq: 17 Dec 2018 23:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217MBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.7	59.0
148	63.9	32.0	96.0

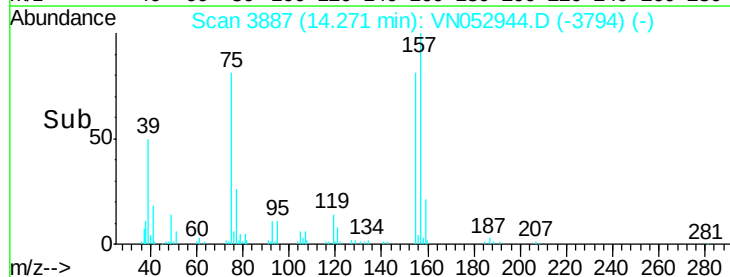
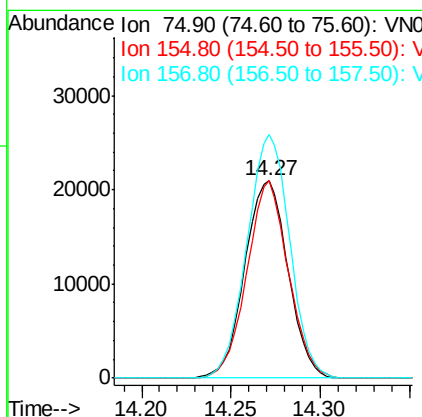
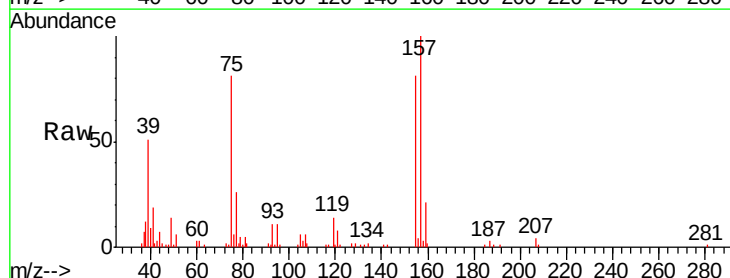
Manual Integrations
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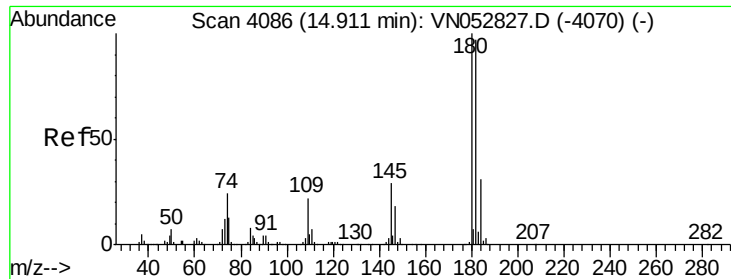
MMDadoda
 12/18/2018 1:33:54 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.003 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052944.D
 Acq: 17 Dec 2018 23:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.9	48.2	144.6
157	122.1	61.2	183.5





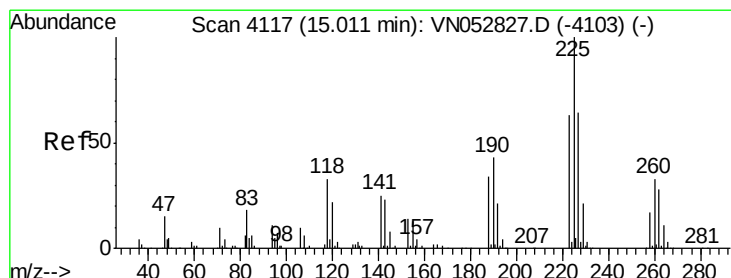
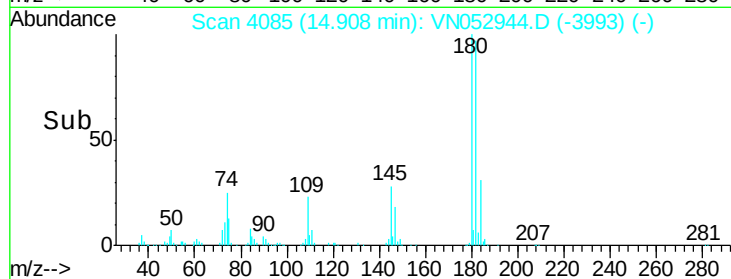
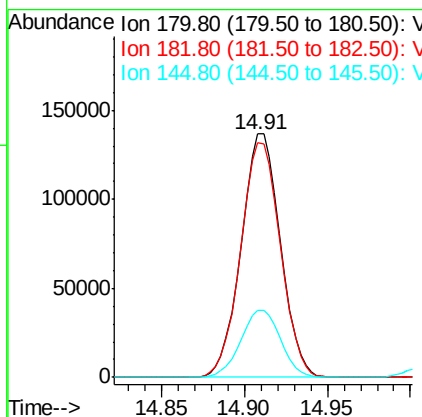
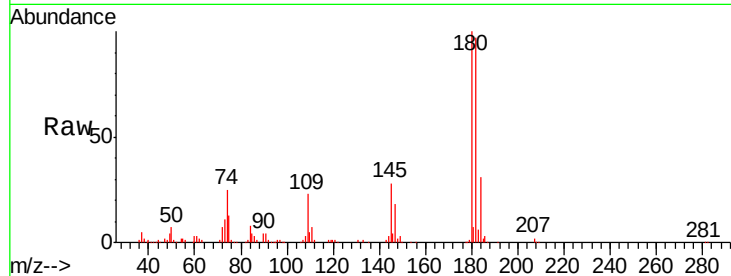
#93
 1,2,4-Trichlorobenzene
 Concen: 18.099 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052944.D
 Acq: 17 Dec 2018 23:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	224593		
182	97.9	47.8	143.3	
145	28.1	14.2	42.6	

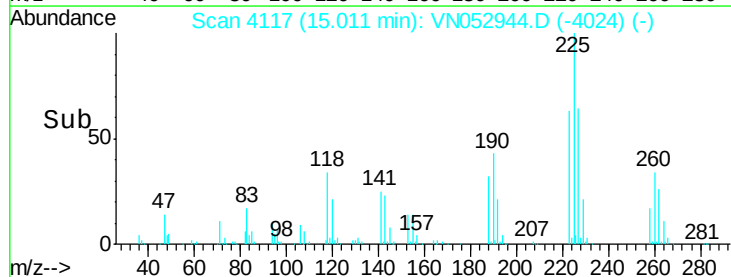
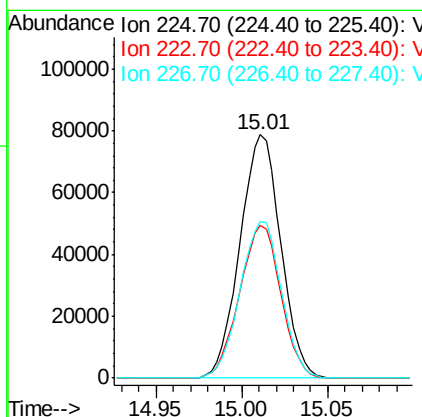
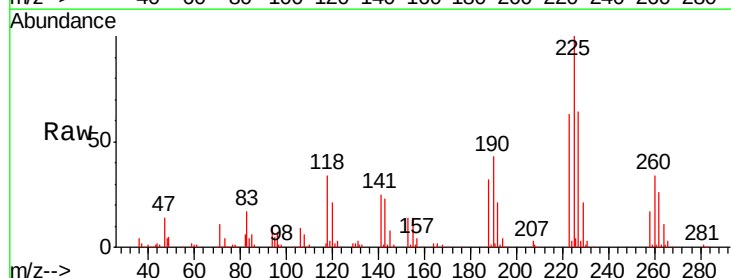
Manual Integrations
 APPROVED

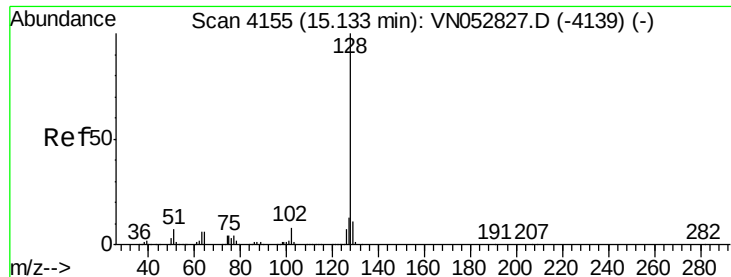
MMDadoda
 12/18/2018 1:33:54 PM



#94
 Hexachlorobutadiene
 Concen: 18.072 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052944.D
 Acq: 17 Dec 2018 23:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	129805		
223	63.3	31.5	94.5	
227	65.0	31.9	95.7	





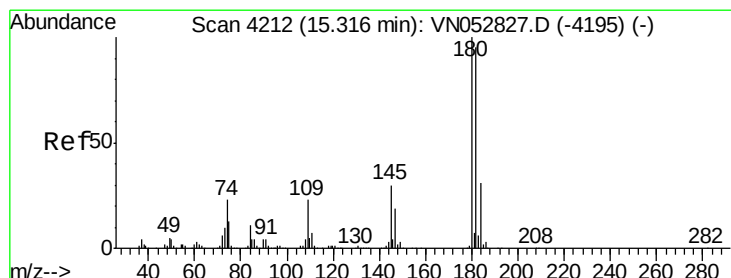
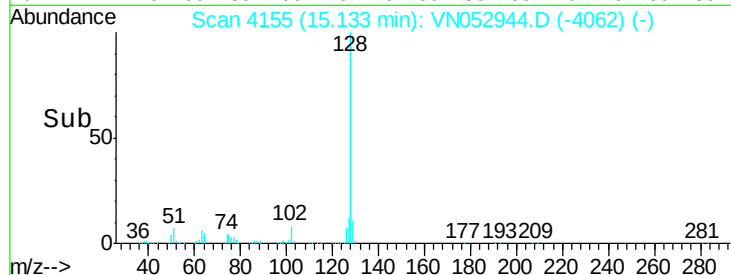
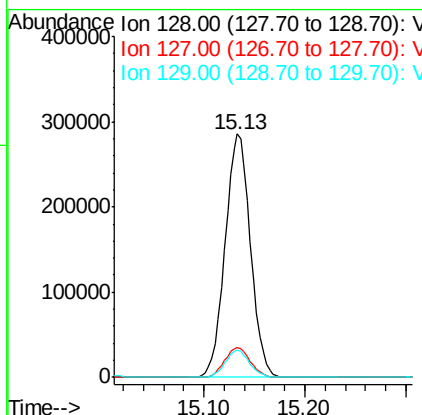
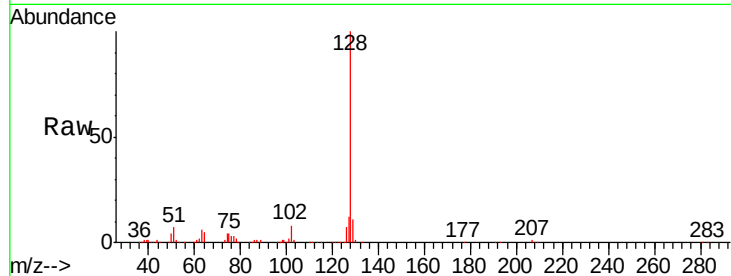
#95
Naphthalene
Concen: 19.418 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Instrument :
MSVOA_N
ClientSampleId :
VN1217MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	499053		
127	12.4	10.2	15.4	
129	10.8	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
12/18/2018 1:33:54 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.331 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN052944.D
Acq: 17 Dec 2018 23:38

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	208722		
182	96.8	47.9	143.7	
145	29.4	15.0	45.0	

