

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121218\
 Data File : VN052832.D
 Acq On : 12 Dec 2018 17:33
 Operator : MD\SY
 Sample : VN1212WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS02

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 1:36:32 PM

Quant Time: Dec 13 04:22:26 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	1066085	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1597558	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1424863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	662316	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	548987	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
35) Dibromofluoromethane	7.59	113	444688	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
50) Toluene-d8	10.09	98	1953318	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
62) 4-Bromofluorobenzene	12.40	95	660925	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	216912	19.765	ug/l 99
3) Chloromethane	2.06	50	254409	19.315	ug/l 99
4) Vinyl Chloride	2.19	62	256426	19.460	ug/l 100
5) Bromomethane	2.58	94	154847	19.052	ug/l 99
6) Chloroethane	2.71	64	150080	19.269	ug/l 99
7) Trichlorofluoromethane	3.02	101	318083	19.470	ug/l 99
8) Diethyl Ether	3.41	74	116957	19.626	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.77	101	203705	20.119	ug/l 99
10) Methyl Iodide	3.96	142	248000	17.490	ug/l 100
11) Tert butyl alcohol	4.78	59	59356	93.713	ug/l 98
12) 1,1-Dichloroethene	3.74	96	189016	19.284	ug/l 100
13) Acrolein	3.61	56	67288	112.837	ug/l 98
14) Allyl chloride	4.33	41	314193	19.626	ug/l 96
15) Acrylonitrile	4.99	53	345636	97.272	ug/l 100
16) Acetone	3.82	43	230642	90.594	ug/l 98
17) Carbon Disulfide	4.06	76	576553	19.148	ug/l 99
18) Methyl Acetate	4.33	43	175343	18.767	ug/l 99
19) Methyl tert-butyl Ether	5.05	73	515721	19.381	ug/l 98
20) Methylene Chloride	4.55	84	215659	18.823	ug/l 100
21) trans-1,2-Dichloroethene	5.05	96	202632	19.082	ug/l 96
22) Diisopropyl ether	5.95	45	663981	19.441	ug/l 100
23) Vinyl Acetate	5.90	43	2004378	98.627	ug/l 99
24) 1,1-Dichloroethane	5.85	63	382341	19.413	ug/l 99
25) 2-Butanone	6.83	43	369943	93.649	ug/l 99
26) 2,2-Dichloropropane	6.83	77	280688	19.352	ug/l 100
27) cis-1,2-Dichloroethene	6.83	96	230881	19.157	ug/l 98
28) Bromochloromethane	7.20	49	177705	20.093	ug/l 99
29) Tetrahydrofuran	7.21	42	254103	94.223	ug/l 98
30) Chloroform	7.37	83	368001	19.160	ug/l 98
31) Cyclohexane	7.66	56	382821	19.576	ug/l 97
32) 1,1,1-Trichloroethane	7.57	97	309756	19.276	ug/l 99
36) 1,1-Dichloropropene	7.79	75	295380	20.078	ug/l 99
37) Ethyl Acetate	6.93	43	172568	19.526	ug/l 99
38) Carbon Tetrachloride	7.78	117	273763	20.217	ug/l 100

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 28

Instrument :
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Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	370249	20.509	ug/l	99
40) Benzene	8.04	78	879691	19.923	ug/l	100
41) Methacrylonitrile	7.18	41	97174	19.845	ug/l	93
42) 1,2-Dichloroethane	8.13	62	264912	19.929	ug/l	99
43) Isopropyl Acetate	8.17	43	318891	17.599	ug/l	99
44) Trichloroethene	8.84	130	236353	19.817	ug/l	95
45) 1,2-Dichloropropane	9.12	63	229999	19.887	ug/l	99
46) Dibromomethane	9.21	93	130011	19.384	ug/l	98
47) Bromodichloromethane	9.40	83	275017	19.773	ug/l	100
48) Methyl methacrylate	9.20	41	160293	20.172	ug/l	99
49) 1,4-Dioxane	9.20	88	34603	383.639	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	831677	100.098	ug/l	100
52) Toluene	10.16	92	535440	20.022	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	281331	20.101	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	332527	19.938	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	190828	19.990	ug/l	97
56) Ethyl methacrylate	10.43	69	244839	19.985	ug/l	99
57) 1,3-Dichloropropane	10.71	76	325344	19.874	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	677179	99.062	ug/l	99
59) 2-Hexanone	10.75	43	558076	98.010	ug/l	99
60) Dibromochloromethane	10.90	129	205018	19.871	ug/l	100
61) 1,2-Dibromoethane	11.01	107	188954	20.024	ug/l	100
64) Tetrachloroethene	10.63	164	243983	19.923	ug/l	98
65) Chlorobenzene	11.43	112	586446	19.839	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	201770	19.626	ug/l	99
67) Ethyl Benzene	11.51	91	1018427	20.062	ug/l	99
68) m/p-Xylenes	11.62	106	770561	40.424	ug/l	100
69) o-Xylene	11.95	106	373361	20.059	ug/l	98
70) Styrene	11.96	104	603337	20.164	ug/l	99
71) Bromoform	12.13	173	136333	19.519	ug/l #	99
73) Isopropylbenzene	12.25	105	1002424	20.271	ug/l	99
74) N-amyl acetate	12.07	43	264497	19.482	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	217783	19.651	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	187315m	19.169	ug/l	
77) Bromobenzene	12.53	156	248621	19.767	ug/l	100
78) n-propylbenzene	12.59	91	1139219	20.200	ug/l	100
79) 2-Chlorotoluene	12.68	91	666423	19.988	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	815496	20.429	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	57017	18.745	ug/l	95
82) 4-Chlorotoluene	12.77	91	682182	20.011	ug/l	99
83) tert-Butylbenzene	12.99	119	719578	20.434	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	817491	20.228	ug/l	100
85) sec-Butylbenzene	13.17	105	974389	20.432	ug/l	99
86) p-Isopropyltoluene	13.29	119	846646	20.491	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	442956	19.818	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	432486	19.539	ug/l	98
89) n-Butylbenzene	13.62	91	693598	19.941	ug/l	99
90) Hexachloroethane	13.88	117	135834	19.633	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	422382	19.645	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32908	19.698	ug/l	97

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ClientSampleId :
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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)
93) 1,2,4-Trichlorobenzene	14.91	180	231454	19.804	ug/l	99
94) Hexachlorobutadiene	15.01	225	139603	20.637	ug/l	99
95) Naphthalene	15.13	128	460611	19.029	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	206584	19.264	ug/l	99

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

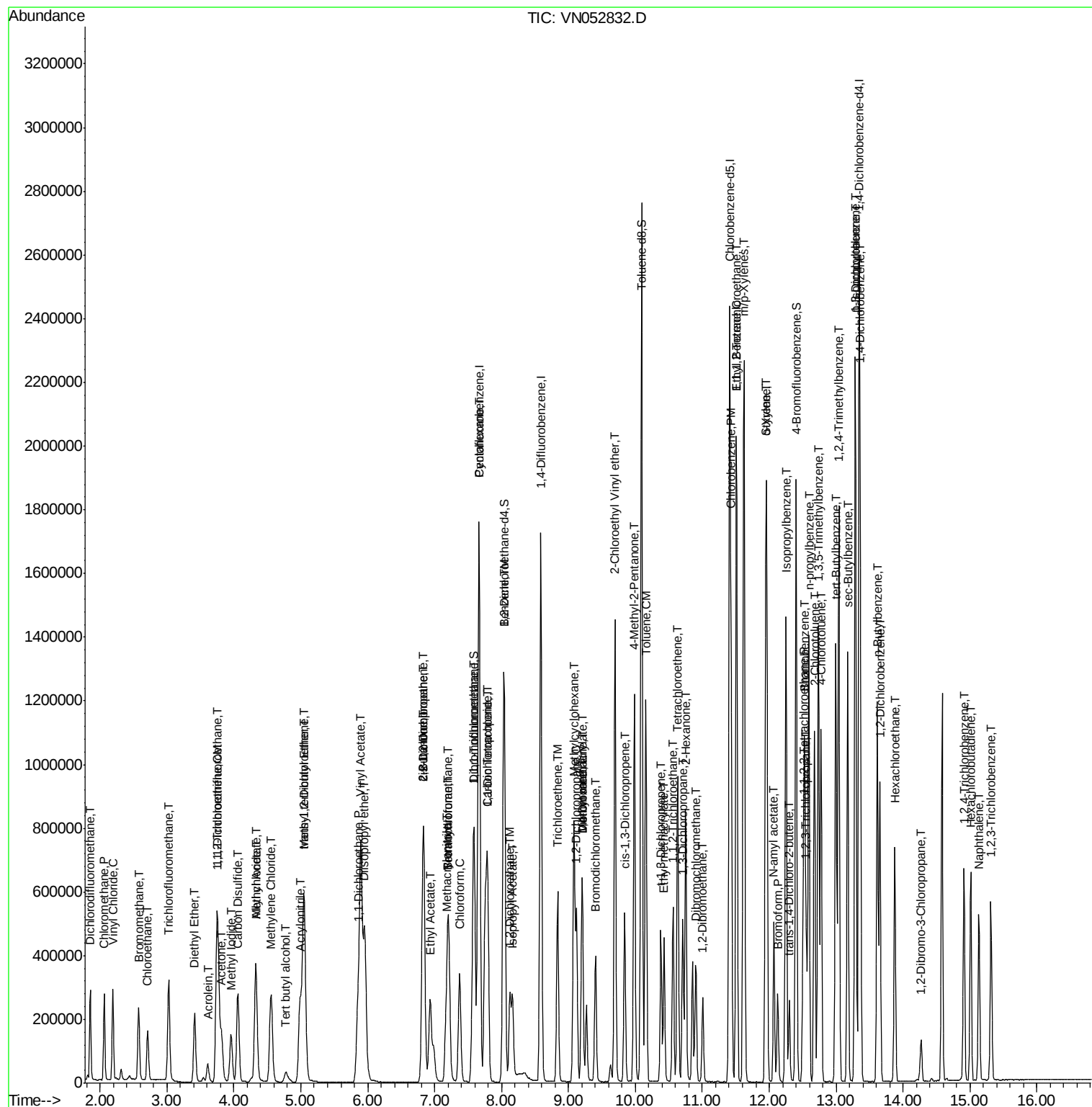
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 Data File : VN052832.D
 Acq On : 12 Dec 2018 17:33
 Operator : MD\SY
 Sample : VN1212WBS02
 Misc : 5.00mL/MSVOA N/WATER
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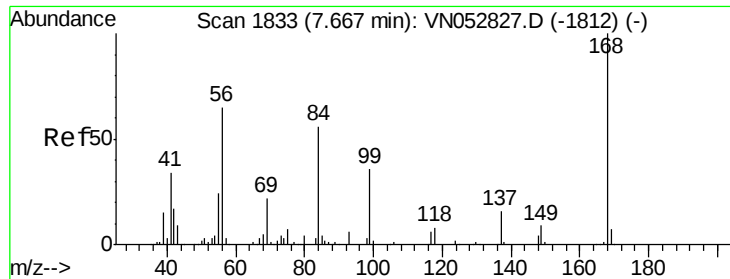
Instrument :
 MSVOA_N
 Client Sample Id :
 VN1212WBS02

Manual Integrations
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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS02

Tot Ion:168 Resp: 1066085

Ion Ratio Lower Upper

168 100

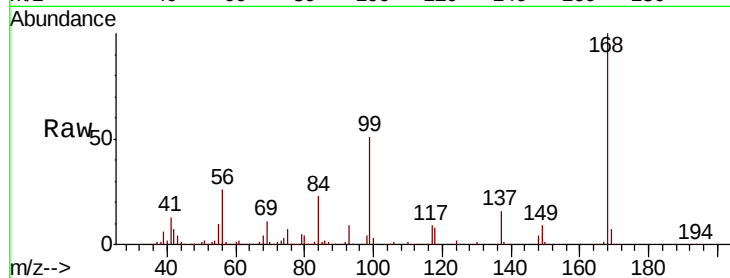
99 50.9 40.2 60.2

Manual Integrations

APPROVED

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12/13/2018 1:36:32 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

500000

400000

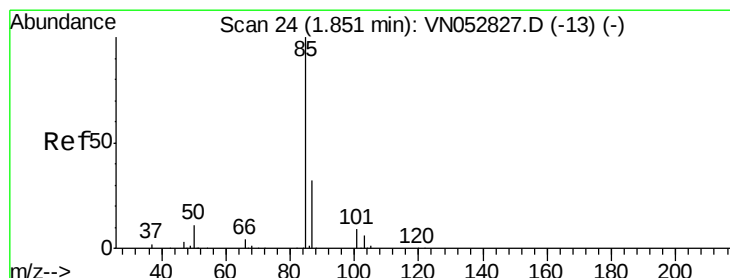
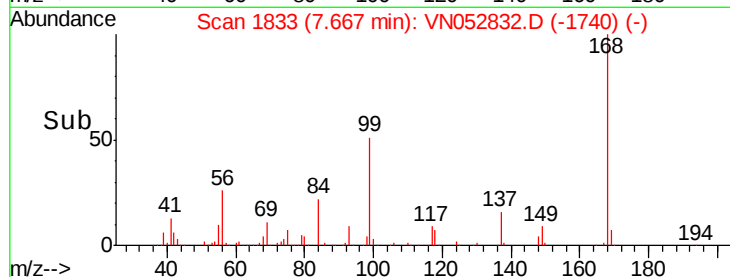
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.765 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052832.D

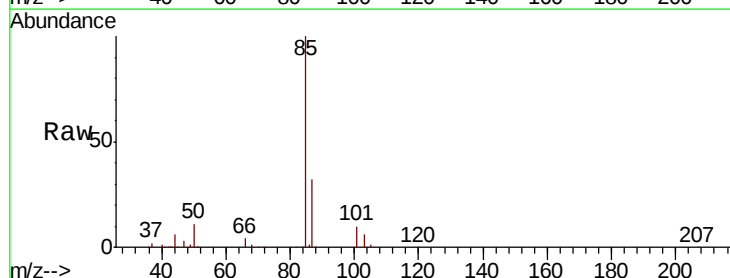
Acq: 12 Dec 2018 17:33

Tgt Ion: 85 Resp: 216912

Ion Ratio Lower Upper

85 100

87 32.1 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

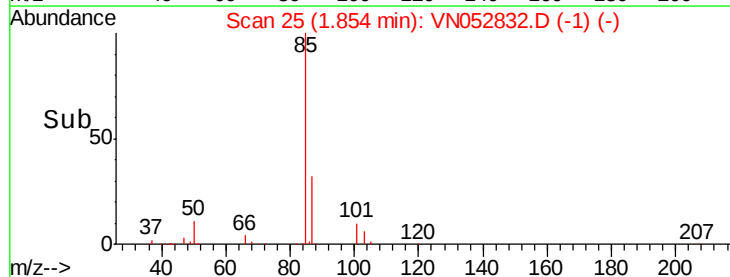
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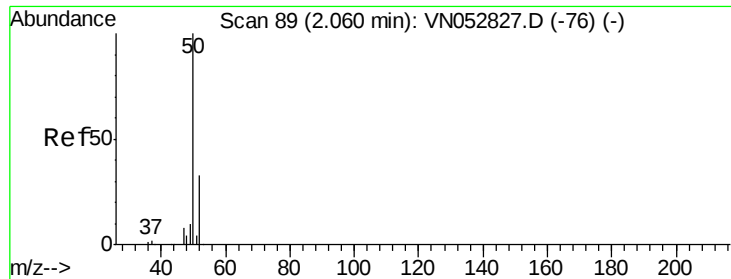
100000

50000

0

Time-->





#3

Chloromethane

Concen: 19.315 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS02

Tot Ion: 50 Resp: 254409

Ion Ratio Lower Upper

50 100

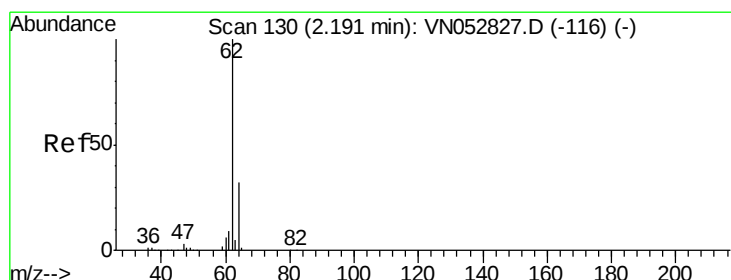
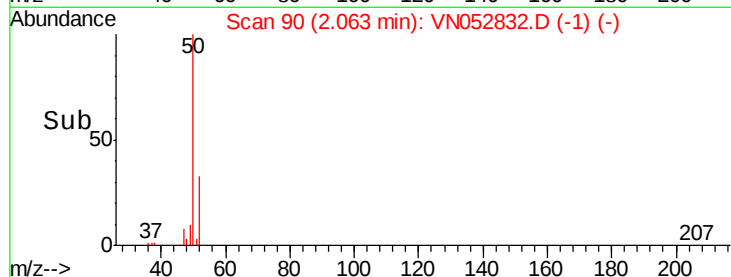
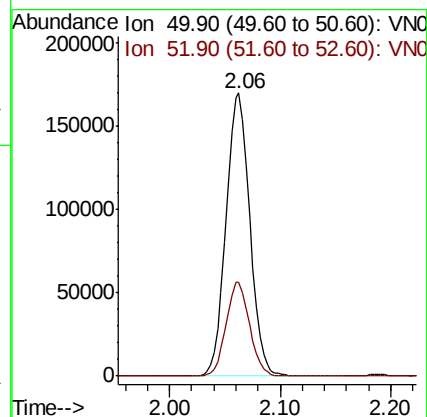
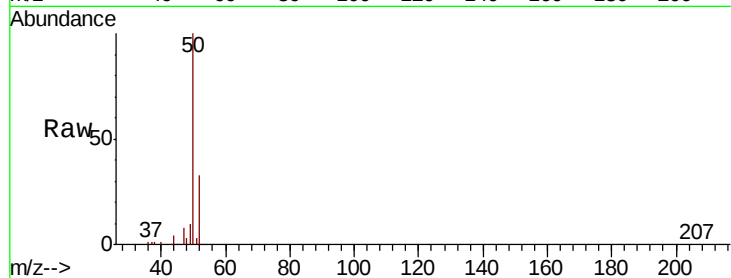
52 33.2 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.460 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052832.D

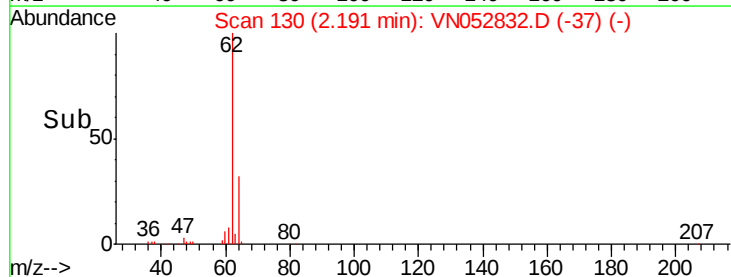
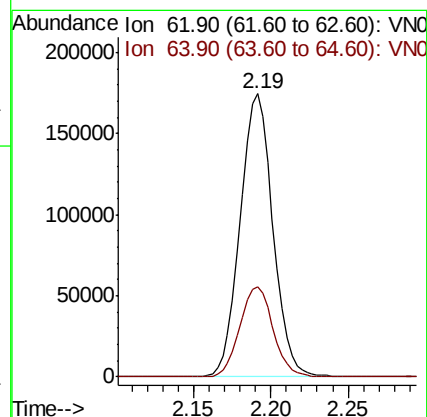
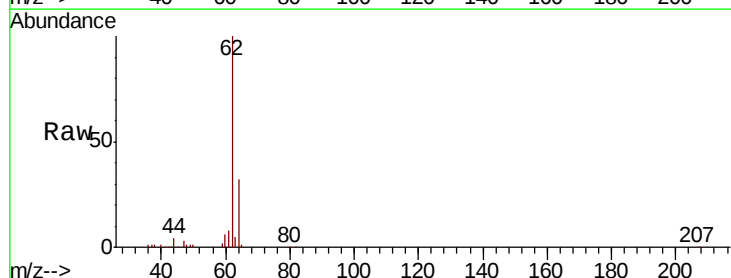
Acq: 12 Dec 2018 17:33

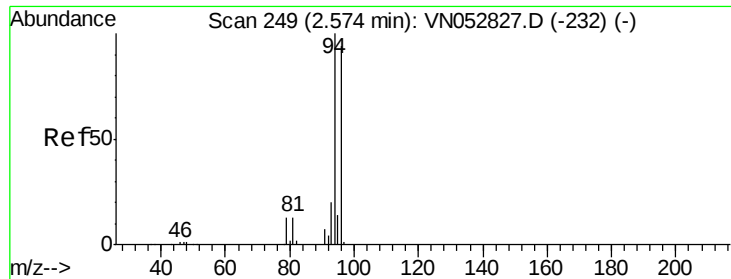
Tgt Ion: 62 Resp: 256426

Ion Ratio Lower Upper

62 100

64 31.8 25.5 38.3





#5

Bromomethane

Concen: 19.052 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS02

Tot Ion: 94 Resp: 154847

Ion Ratio Lower Upper

94 100

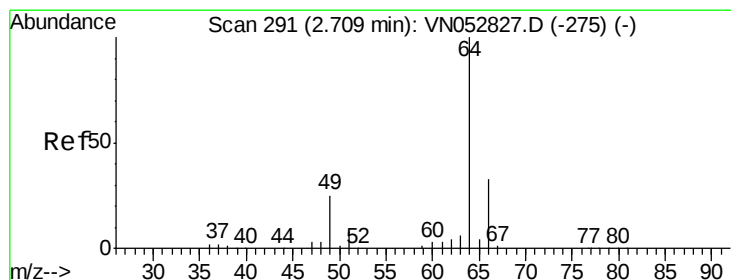
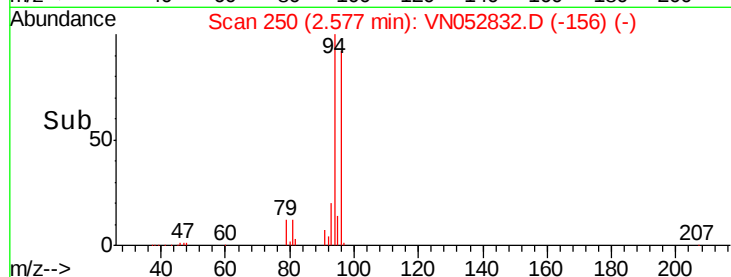
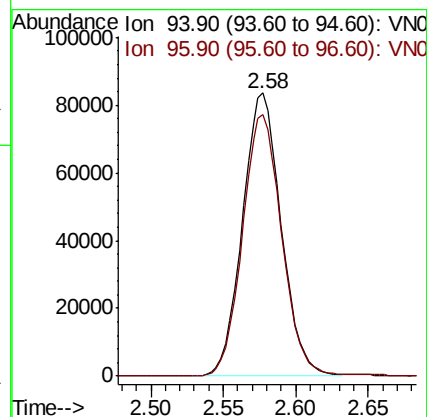
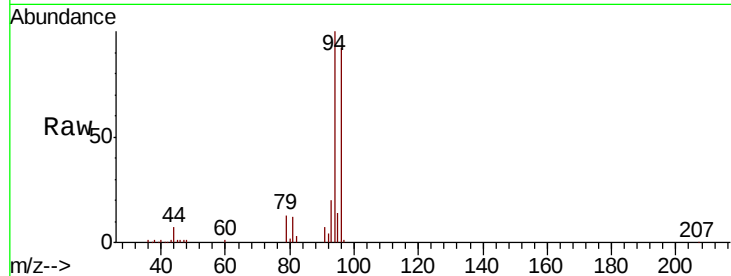
96 92.4 75.0 112.4

Manual Integrations

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#6

Chloroethane

Concen: 19.269 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052832.D

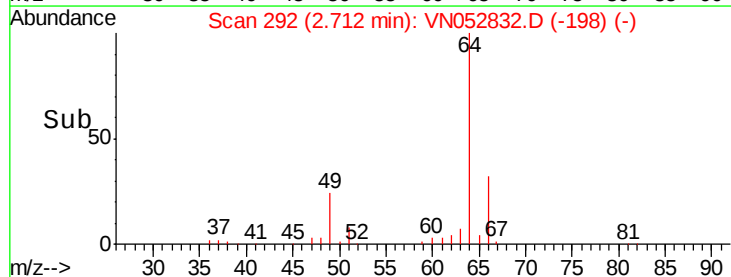
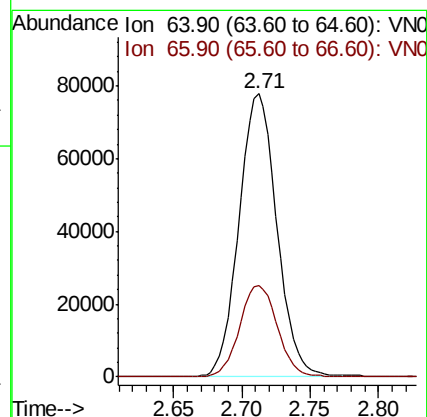
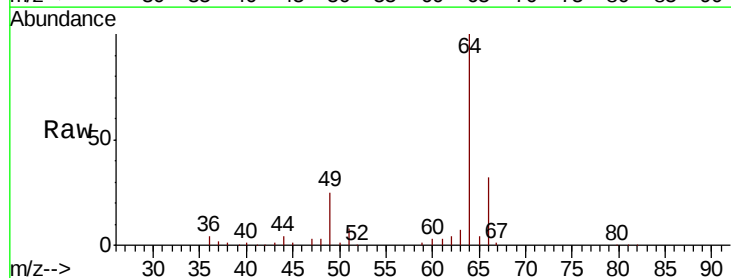
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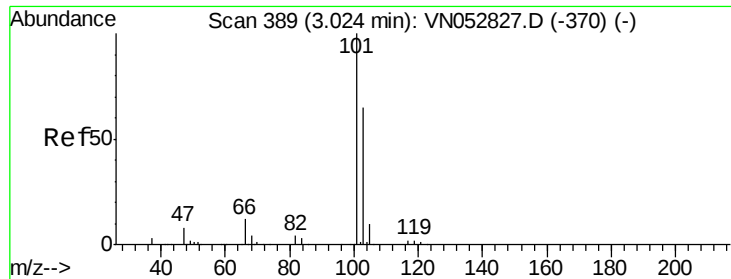
Tgt Ion: 64 Resp: 150080

Ion Ratio Lower Upper

64 100

66 32.1 26.2 39.2





#7

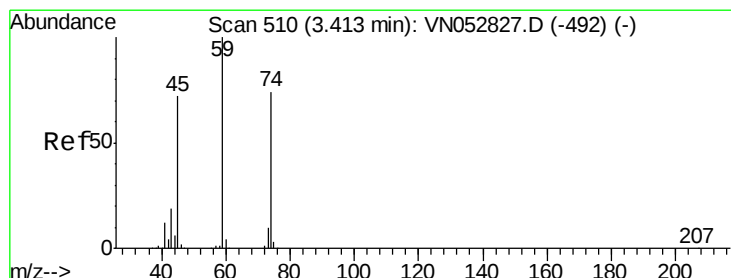
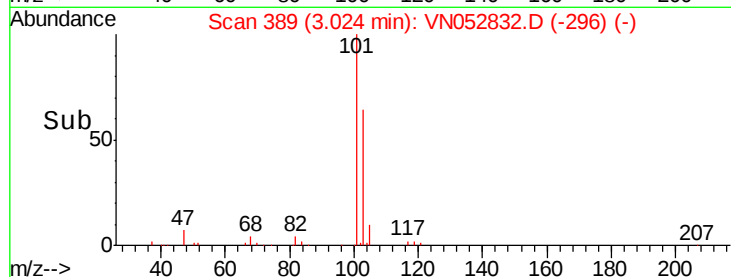
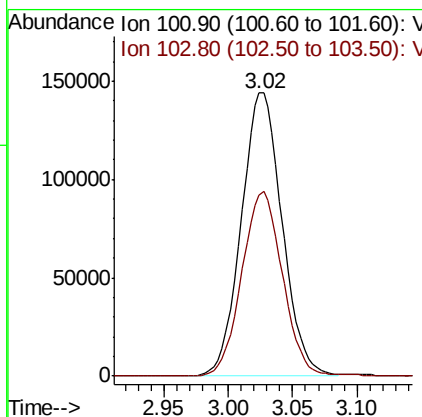
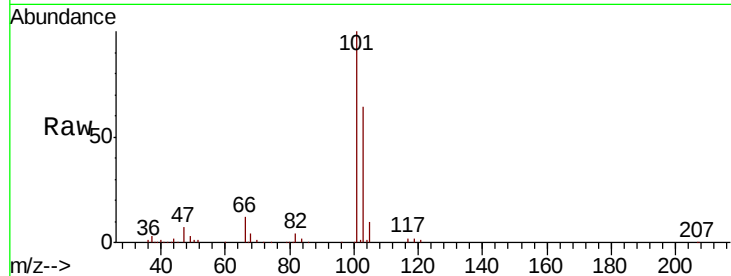
Trichlorofluoromethane
 Concen: 19.470 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN052832.D
 Acq: 12 Dec 2018 17:33

Instrument :
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 VN1212WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.8	77.6

Manual Integrations
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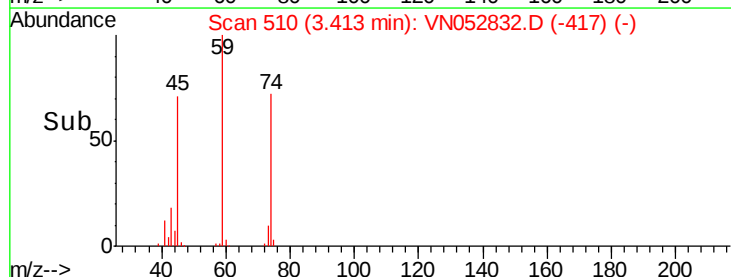
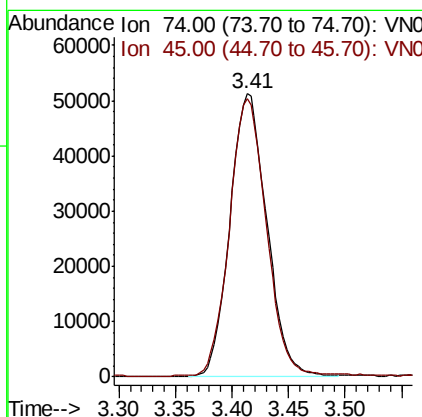
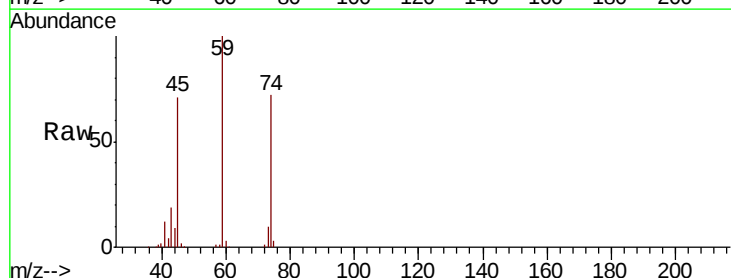
MMDadoda
 12/13/2018 1:36:32 PM

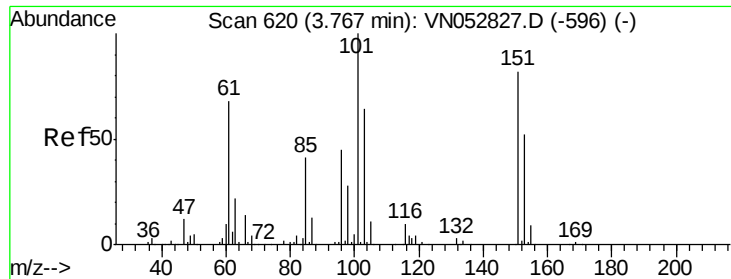


#8

Diethyl Ether
 Concen: 19.626 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN052832.D
 Acq: 12 Dec 2018 17:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.7	49.4	148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.119 ug/l

RT: 3.77 min Scan# 620

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

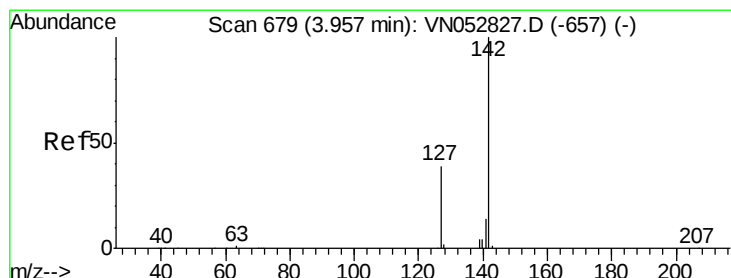
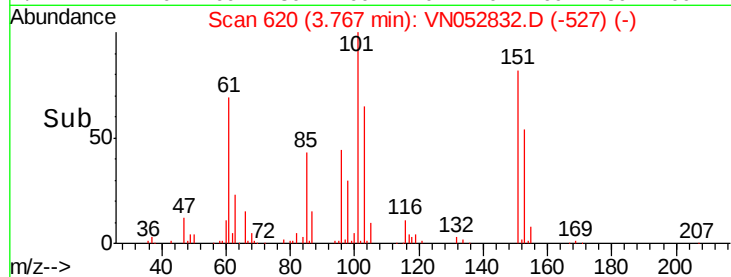
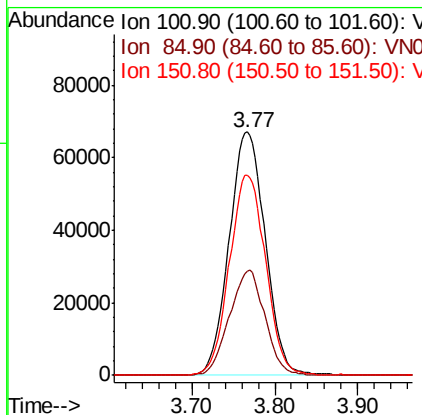
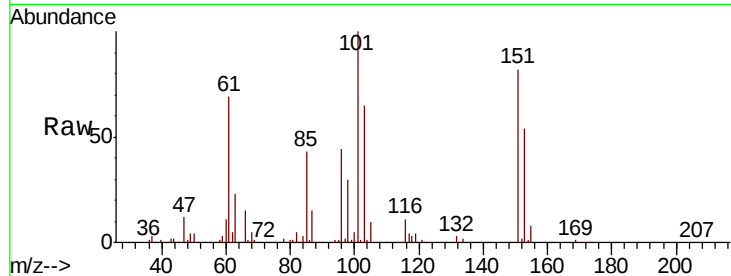
ClientSampleId :

VN1212WBS02

Tot Ion:	101	Resp:	203705
Ion Ratio	Lower	Upper	
101	100		
85	42.4	33.6	50.4
151	82.3	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 17.490 ug/l

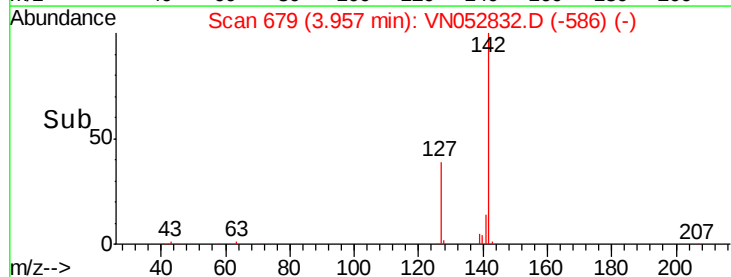
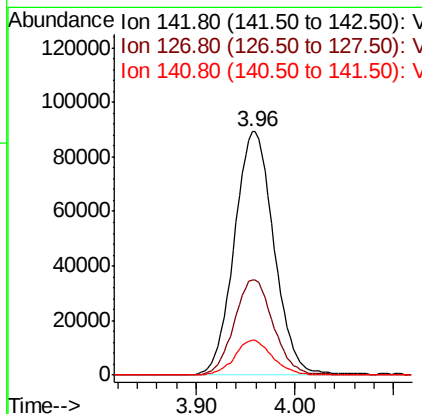
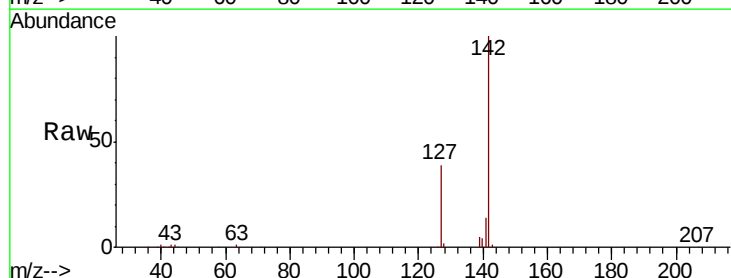
RT: 3.96 min Scan# 679

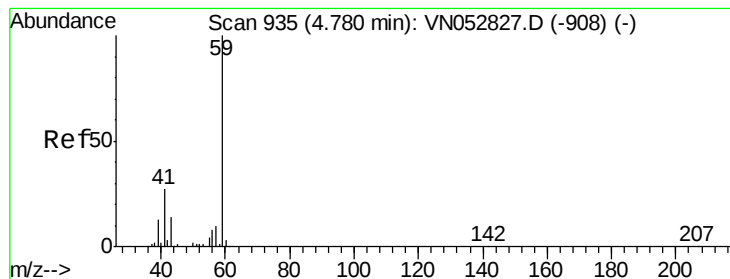
Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Tgt Ion:	142	Resp:	248000
Ion Ratio	Lower	Upper	
142	100		
127	38.9	31.0	46.6
141	13.8	11.2	16.8





#11

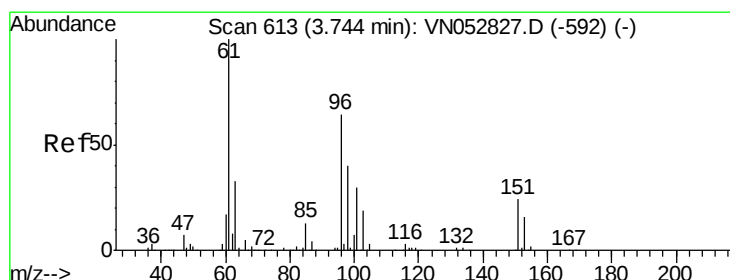
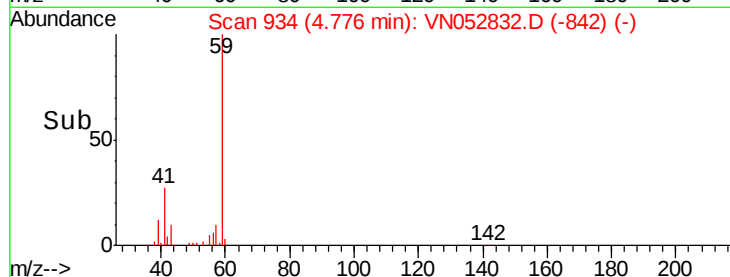
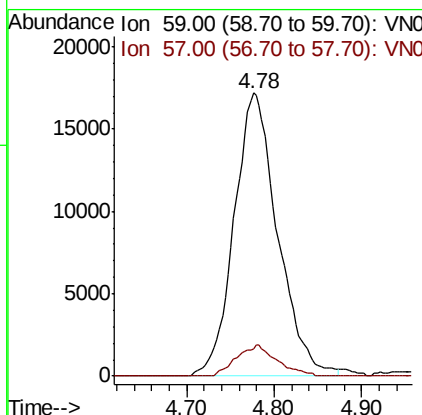
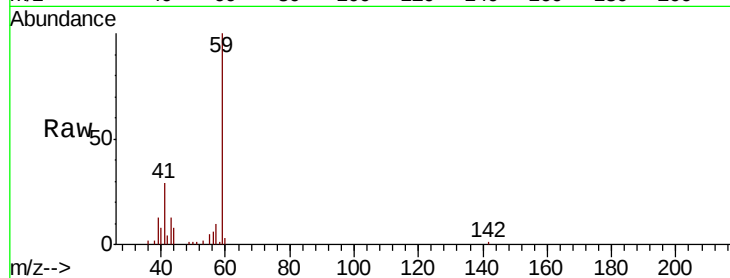
Tert butyl alcohol
 Concen: 93.713 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VN052832.D
 Acq: 12 Dec 2018 17:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	7.7	11.5

Manual Integrations
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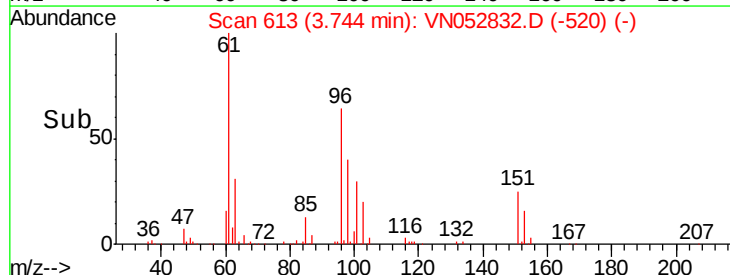
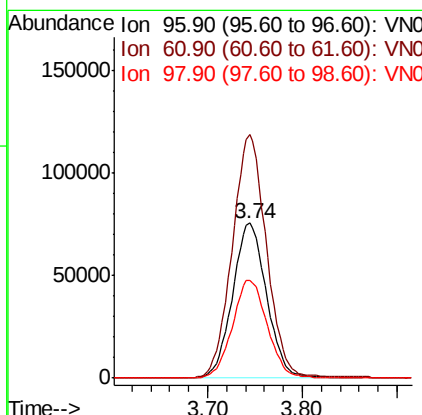
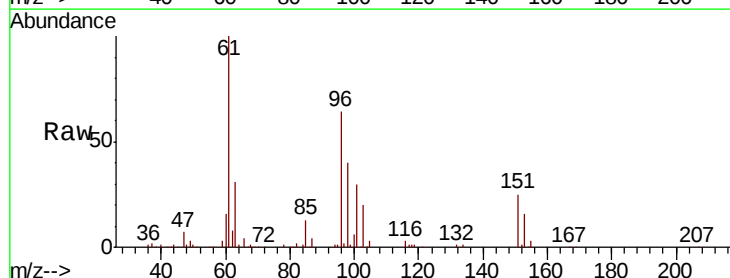
MMDadoda
 12/13/2018 1:36:32 PM

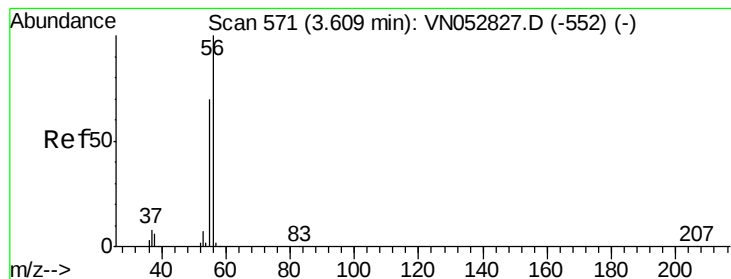


#12

1,1-Dichloroethene
 Concen: 19.284 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN052832.D
 Acq: 12 Dec 2018 17:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.2	125.6	188.4
98	63.1	50.6	75.8





#13

Acrolein

Concen: 112.837 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS02

Tot Ion: 56 Resp: 67288

Ion Ratio Lower Upper

56 100

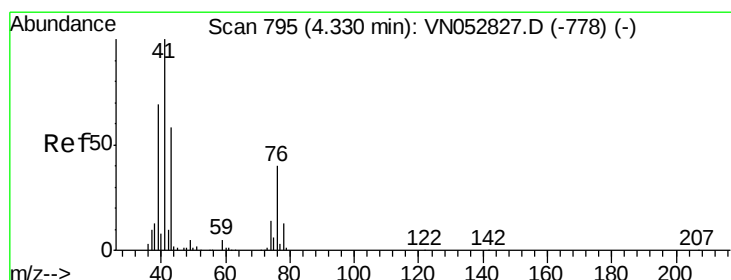
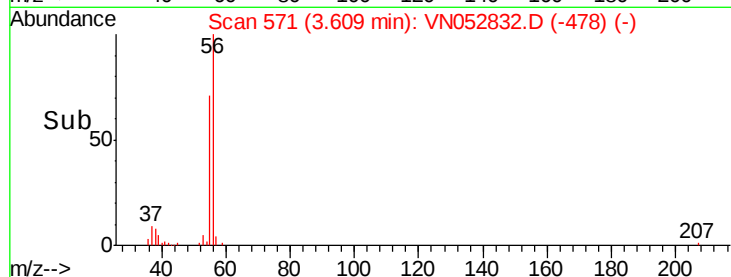
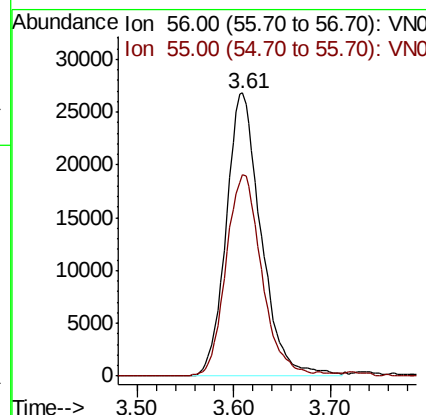
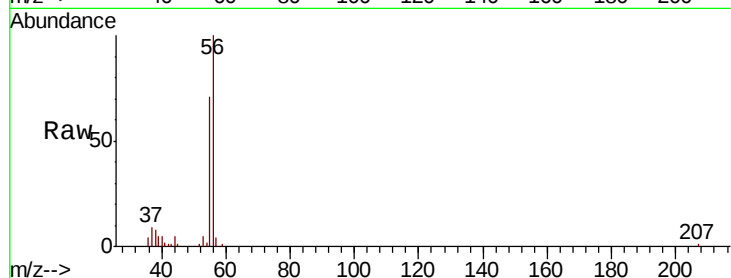
55 72.6 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 19.626 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

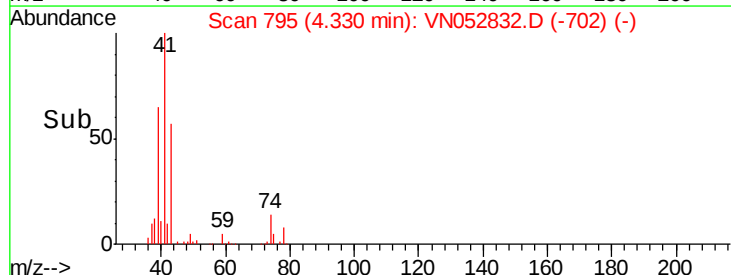
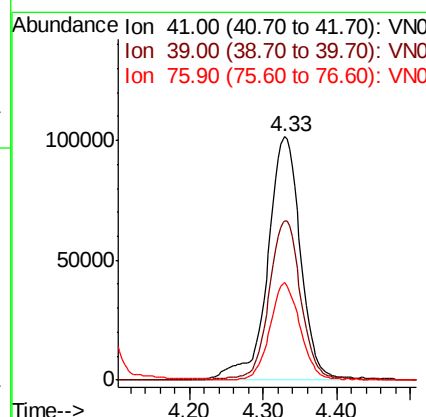
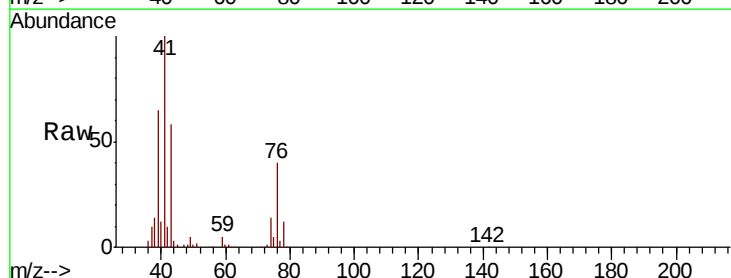
Tgt Ion: 41 Resp: 314193

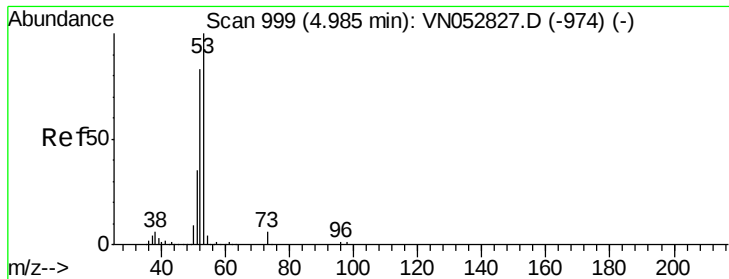
Ion Ratio Lower Upper

41 100

39 63.8 54.1 81.1

76 36.3 30.3 45.5





#15

Acrylonitrile

Concen: 97.272 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

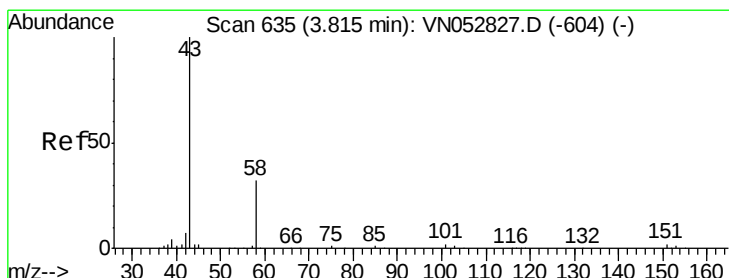
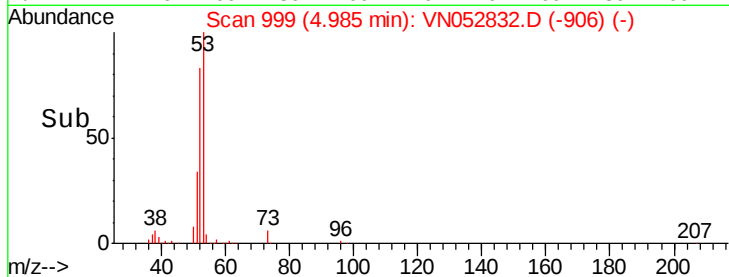
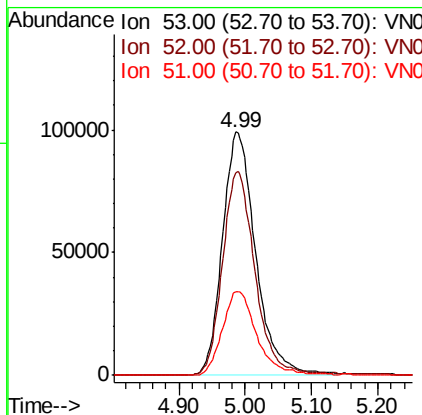
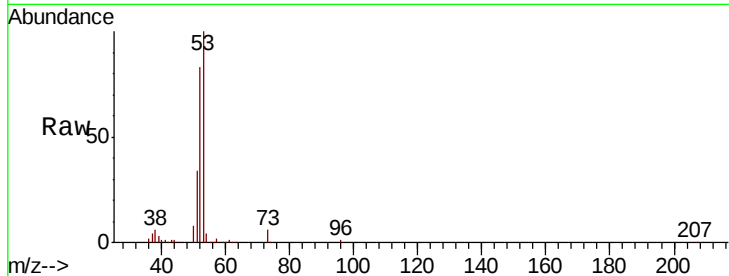
ClientSampleId :

VN1212WBS02

Tot Ion:	53	Resp:	345636
Ion Ratio	Lower	Upper	
53	100		
52	81.5	65.1	97.7
51	35.6	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 90.594 ug/l

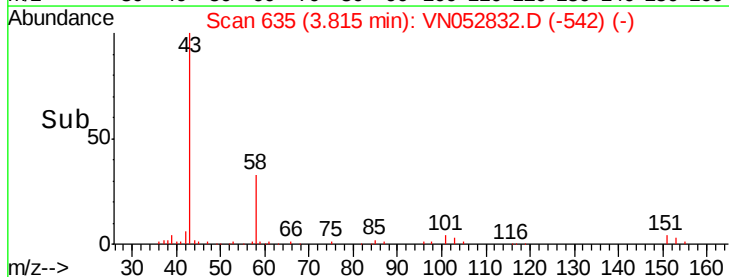
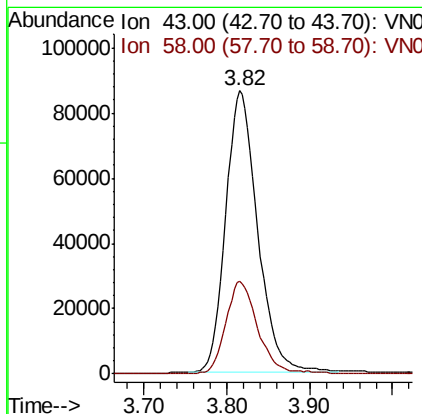
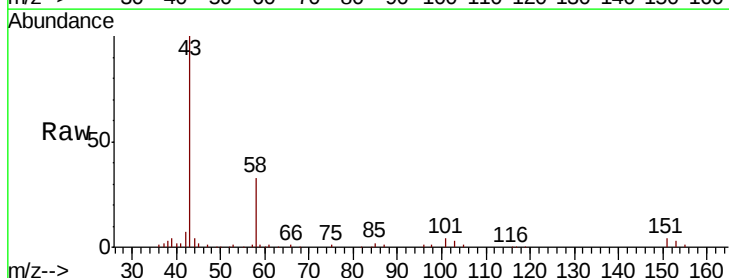
RT: 3.82 min Scan# 635

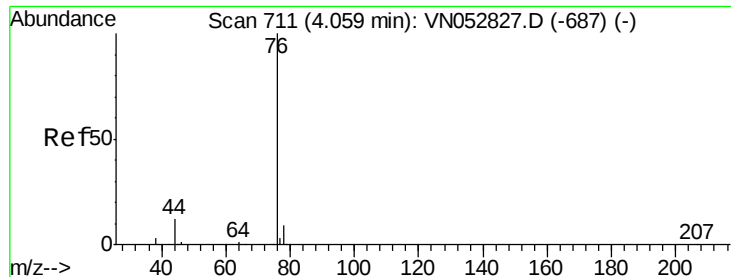
Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Tgt Ion:	43	Resp:	230642
Ion Ratio	Lower	Upper	
43	100		
58	32.8	25.4	38.0





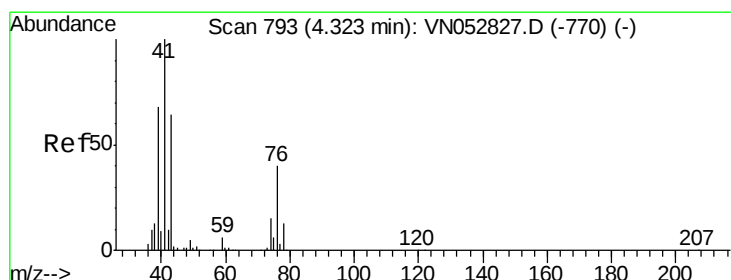
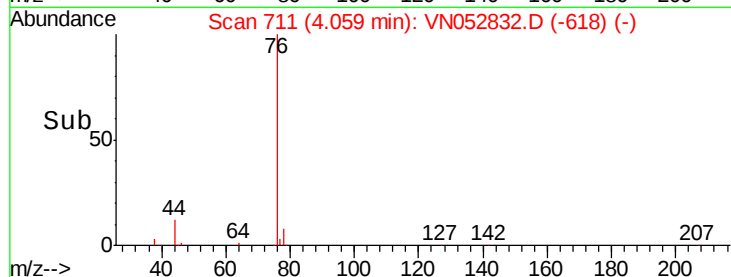
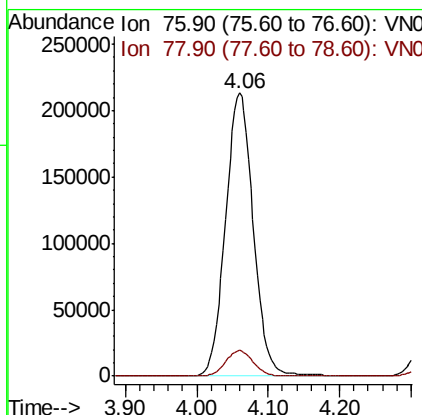
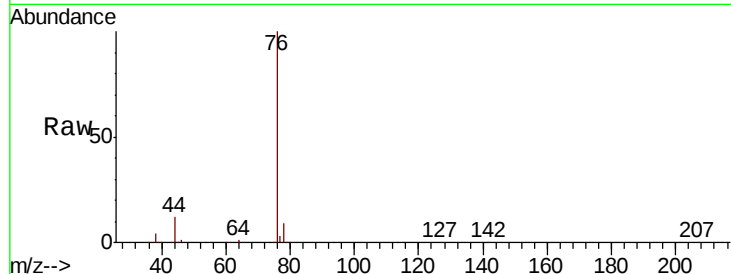
#17
Carbon Disulfide
Concen: 19.148 ug/l
RT: 4.06 min Scan# 711
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

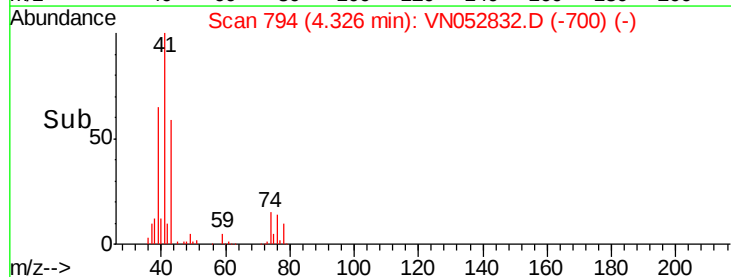
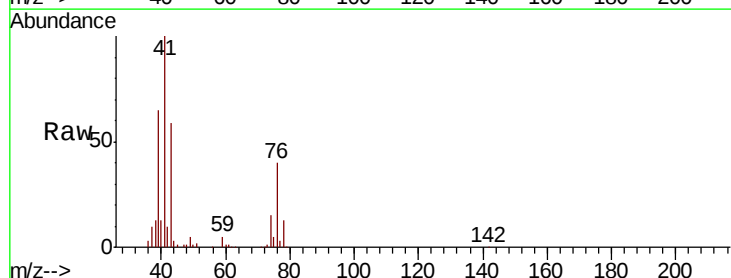
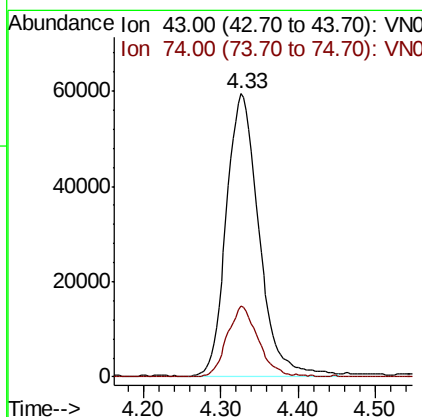
Manual Integrations
APPROVED

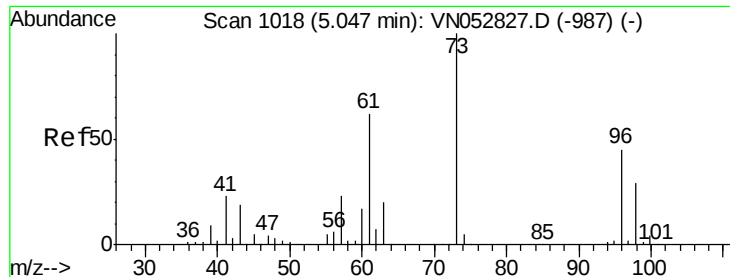
MMDadoda
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#18
Methyl Acetate
Concen: 18.767 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.2	28.8





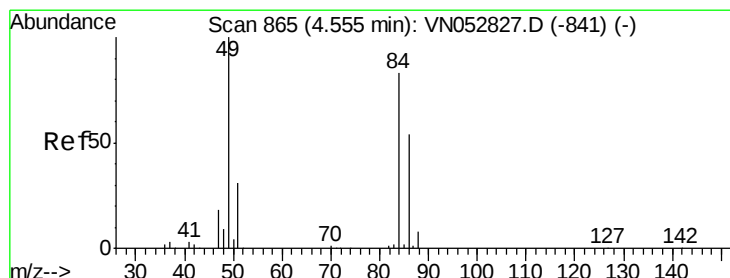
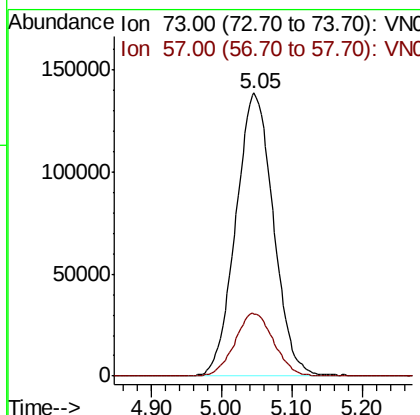
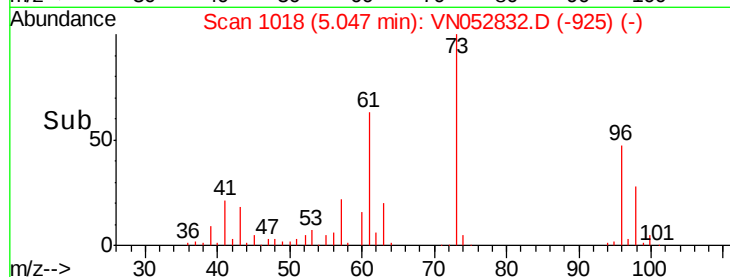
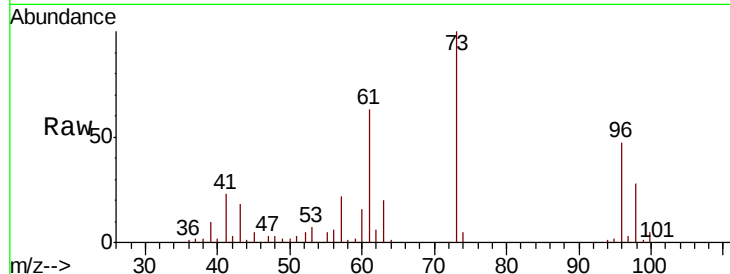
#19
Methvl tert-butvl Ether
Concen: 19.381 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS02

Tot Ion: 73 Resp: 515721
Ion Ratio Lower Upper
73 100
57 22.1 18.4 27.6

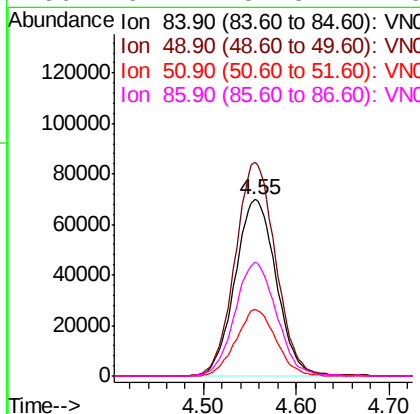
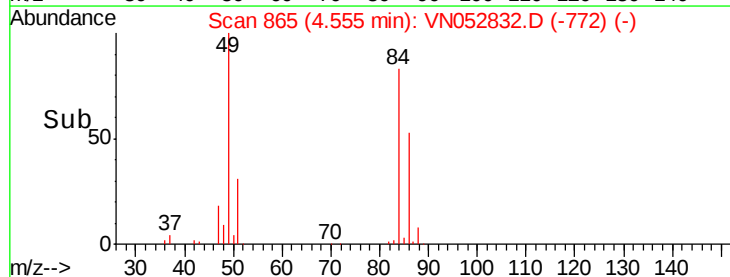
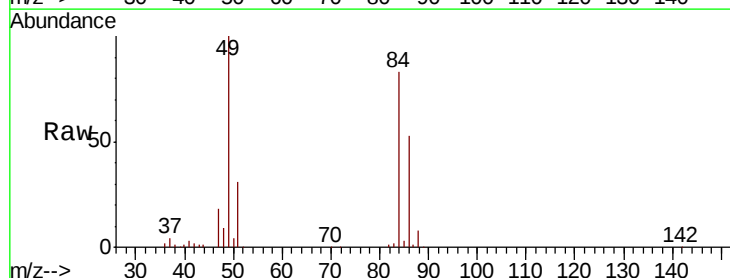
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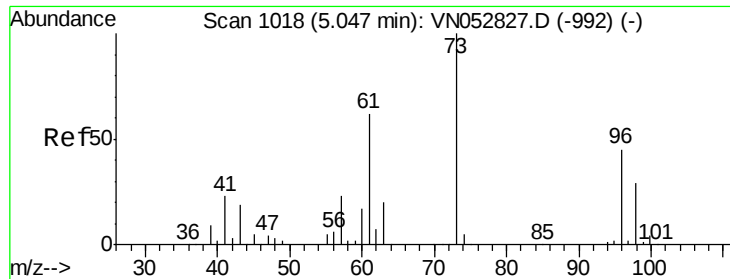
MMDadoda
12/13/2018 1:36:32 PM



#20
Methylene Chloride
Concen: 18.823 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Tgt Ion: 84 Resp: 215659
Ion Ratio Lower Upper
84 100
49 120.7 96.8 145.2
51 37.6 29.9 44.9
86 64.4 51.8 77.6





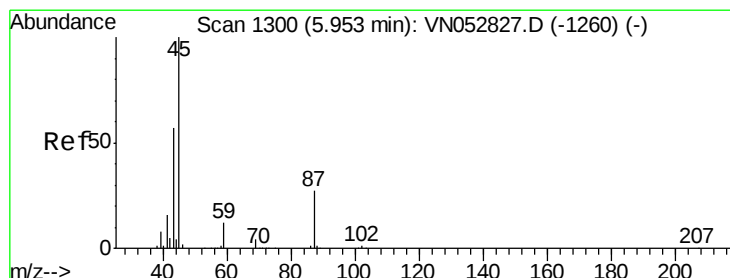
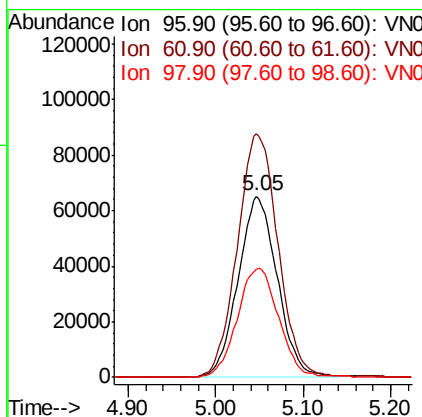
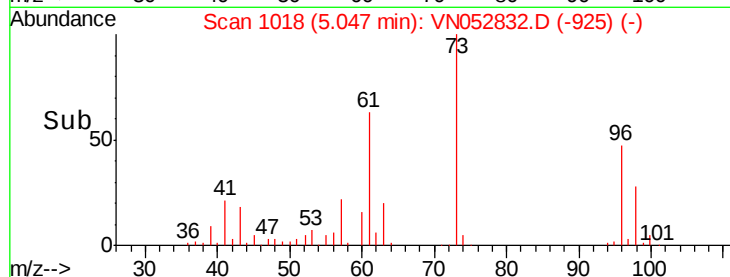
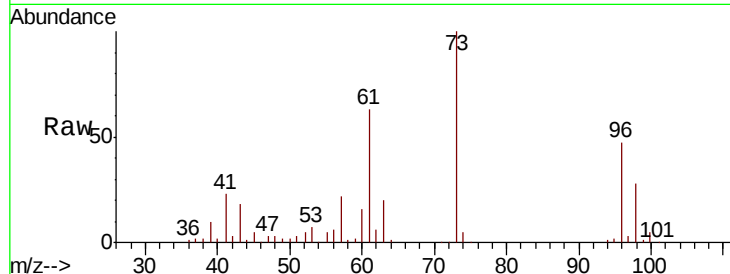
#21
trans-1,2-Dichloroethene
Concen: 19.082 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.4	110.8	166.2
98	59.5	51.4	77.2

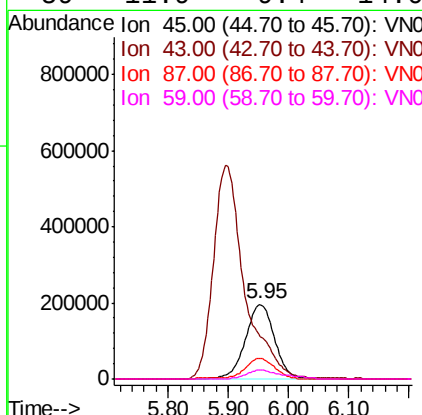
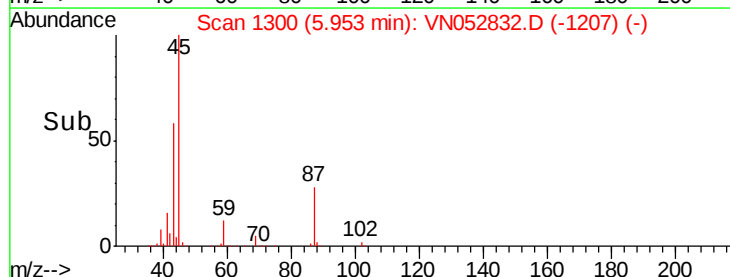
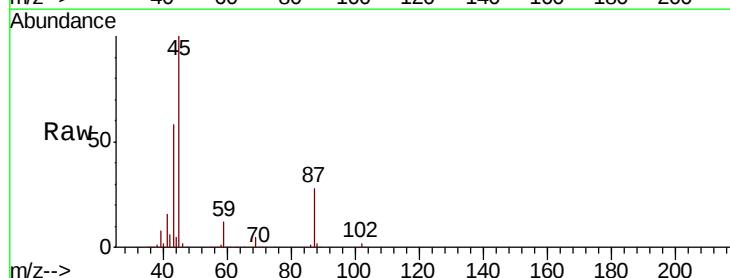
Manual Integrations
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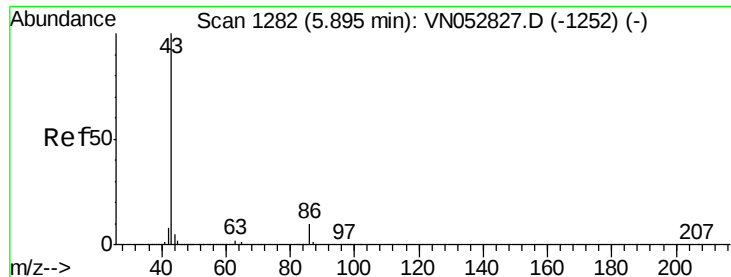
MMDadoda
12/13/2018 1:36:32 PM



#22
Diisopropyl ether
Concen: 19.441 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.7	45.5	68.3
87	27.6	22.0	33.0
59	11.9	9.4	14.0





#23

Vinyl Acetate

Concen: 98.627 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS02

Tot Ion: 43 Resp: 2004378

Ion Ratio Lower Upper

43 100

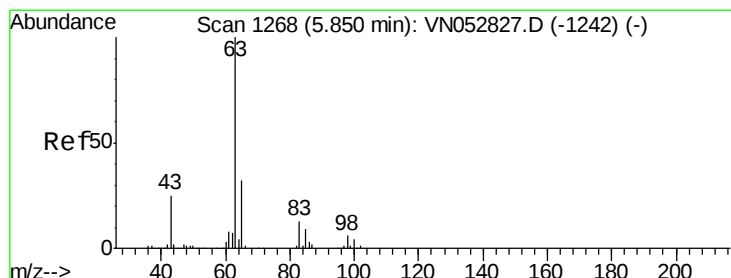
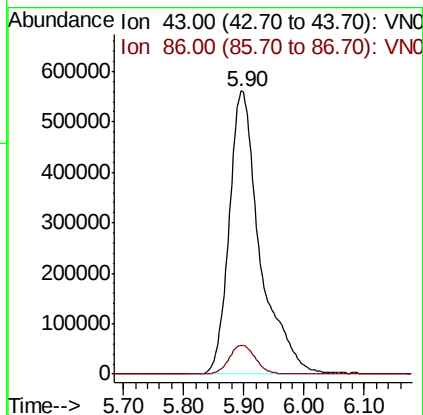
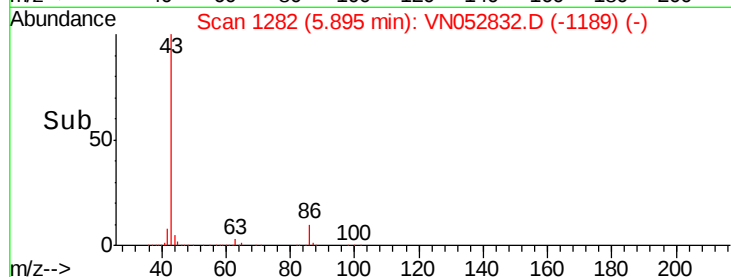
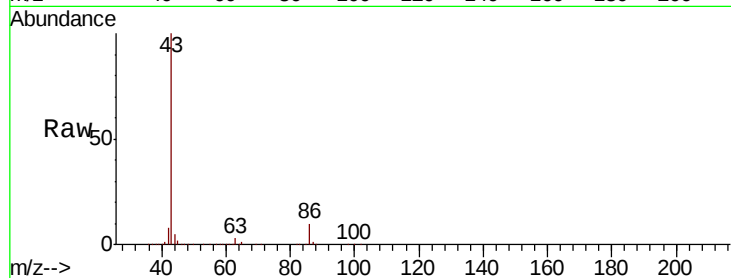
86 10.3 8.1 12.1

Manual Integrations

APPROVED

MMDadoda

12/13/2018 1:36:32 PM



#24

1,1-Dichloroethane

Concen: 19.413 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

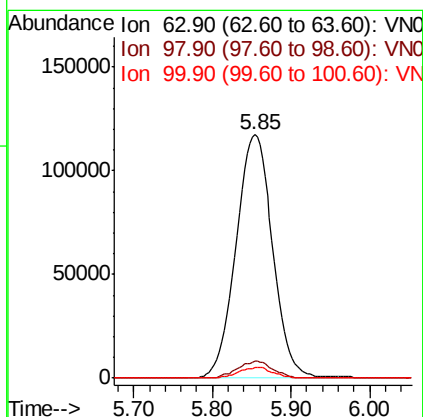
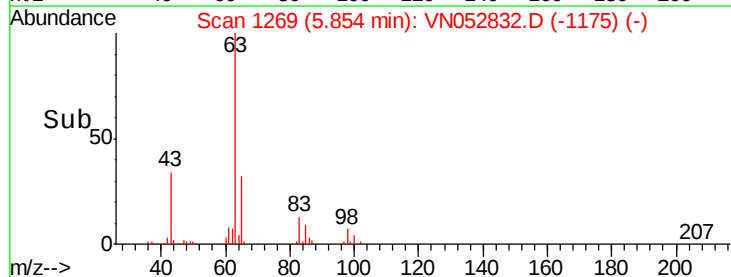
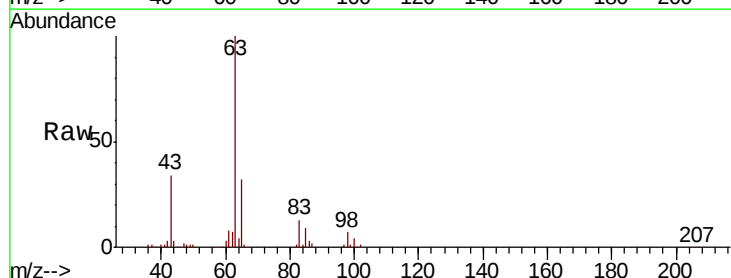
Tgt Ion: 63 Resp: 382341

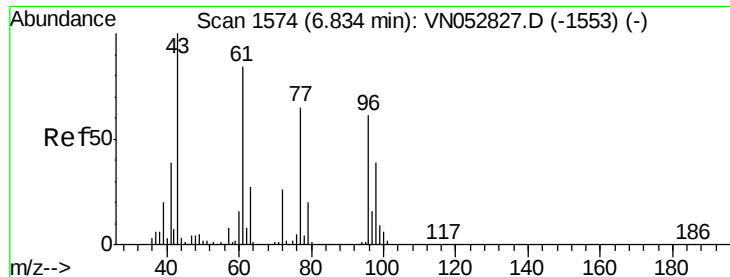
Ion Ratio Lower Upper

63 100

98 6.8 3.1 9.4

100 4.2 2.0 5.8





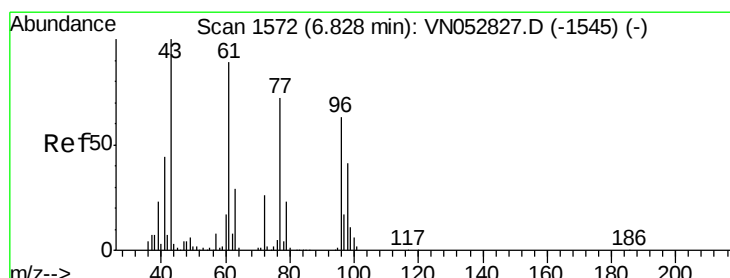
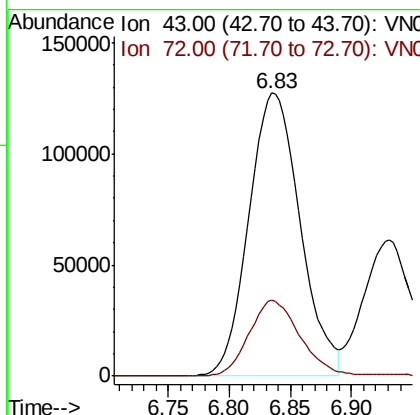
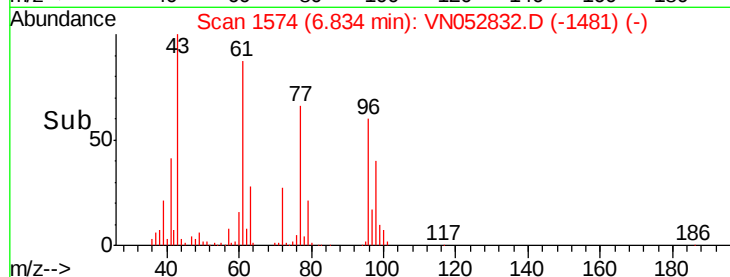
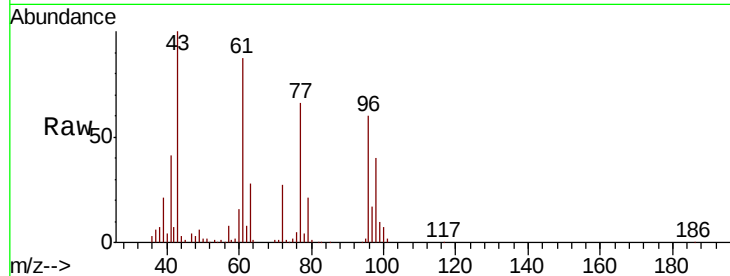
#25
2-Butanone
Concen: 93.649 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS02

Tot Ion: 43 Resp: 369943
Ion Ratio Lower Upper
43 100
72 27.1 21.0 31.6

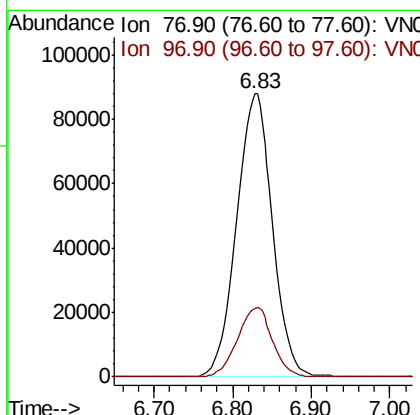
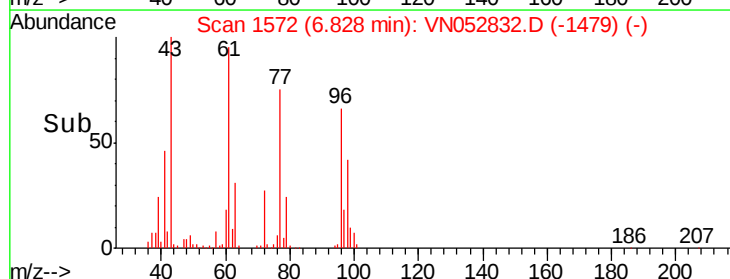
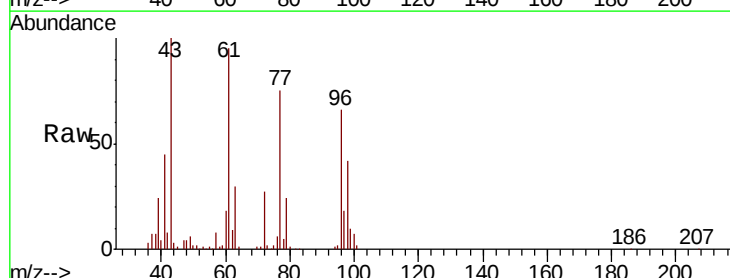
Manual Integrations
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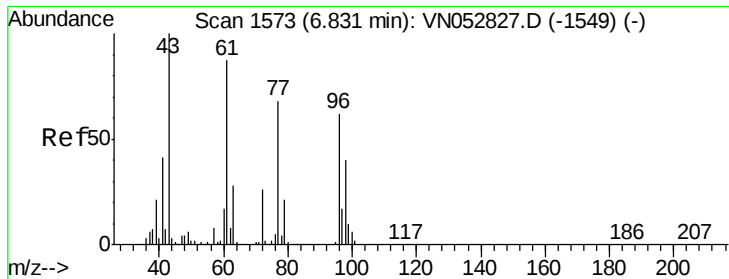
MMDadoda
12/13/2018 1:36:32 PM



#26
2,2-Dichloropropane
Concen: 19.352 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Tgt Ion: 77 Resp: 280688
Ion Ratio Lower Upper
77 100
97 24.0 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 19.157 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

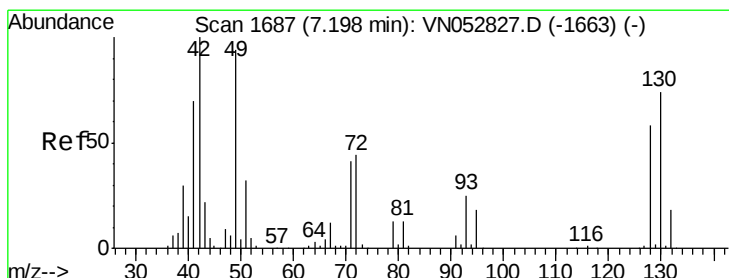
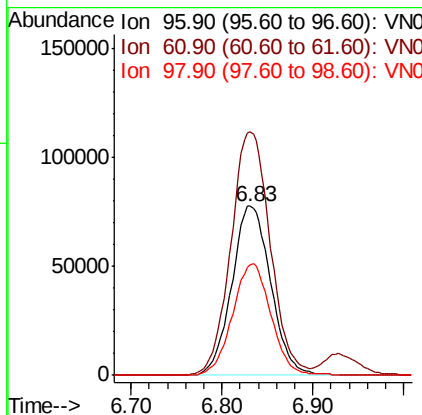
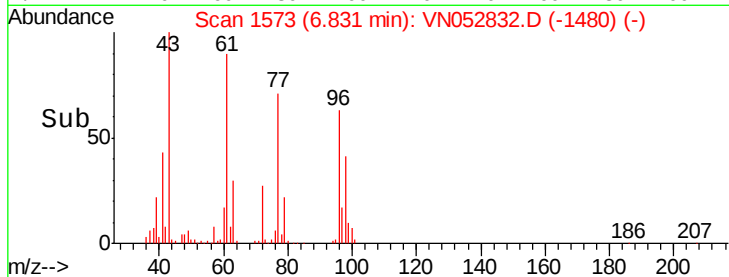
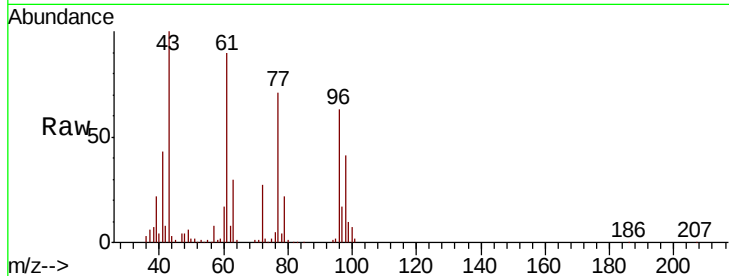
ClientSampleId :

VN1212WBS02

Tot Ion:	96	Resp:	230881
Ion Ratio	Lower	Upper	
96	100		
61	145.1	0.0	284.2
98	65.3	0.0	129.2

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12/13/2018 1:36:32 PM



#28

Bromochloromethane

Concen: 20.093 ug/l

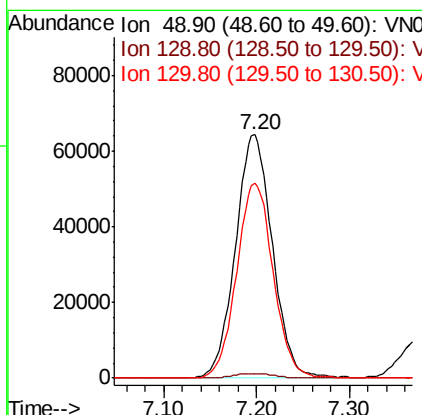
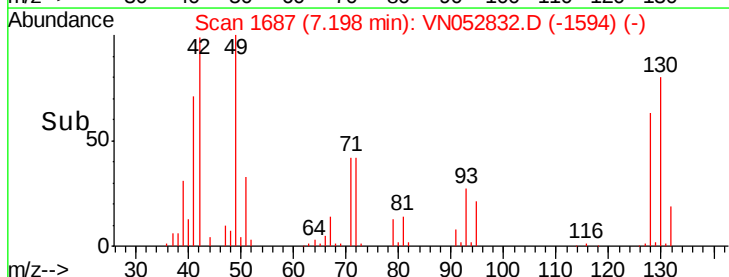
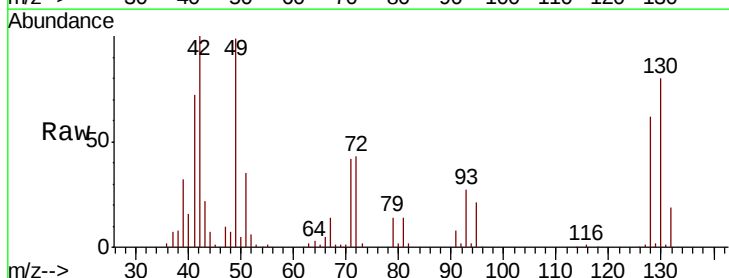
RT: 7.20 min Scan# 1687

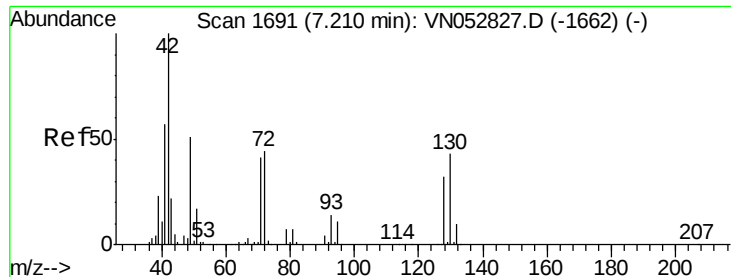
Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Tgt Ion:	49	Resp:	177705
Ion Ratio	Lower	Upper	
49	100		
129	0.8	0.0	4.0
130	79.5	63.3	94.9





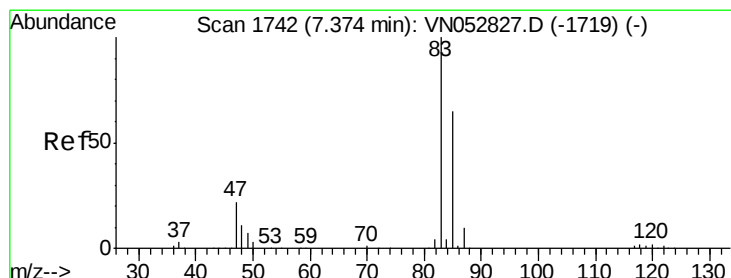
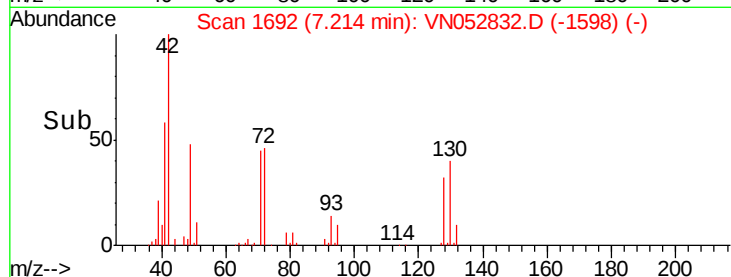
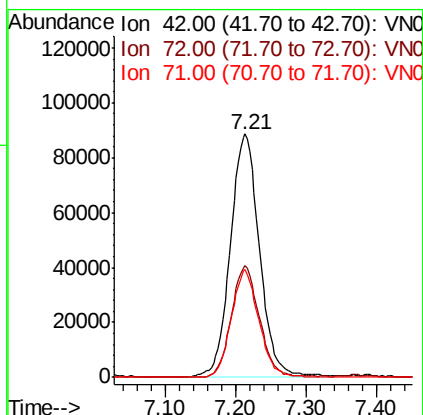
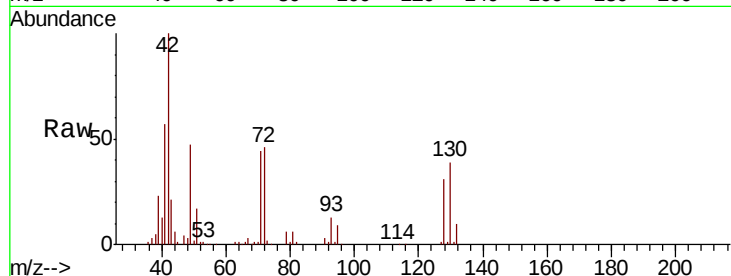
#29
Tetrahydrofuran
Concen: 94.223 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.3	34.7	52.1
71	42.0	32.3	48.5

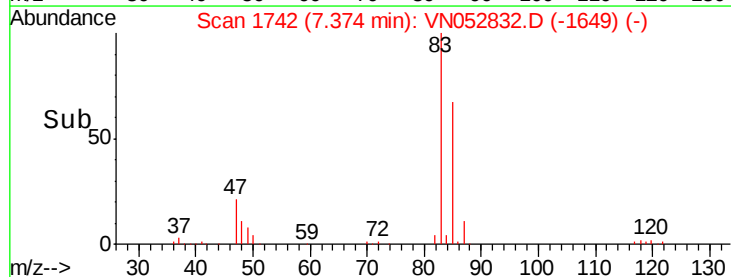
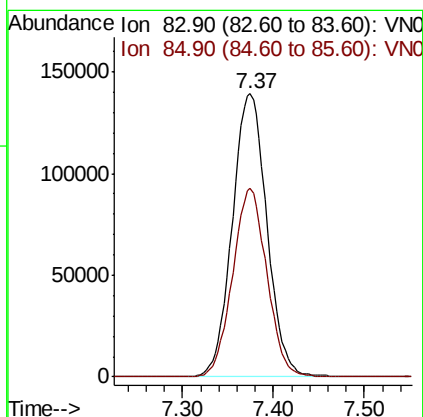
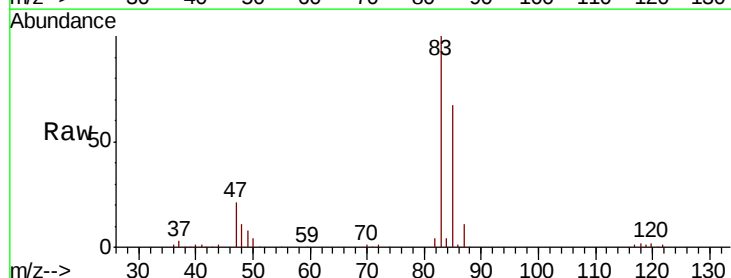
Manual Integrations
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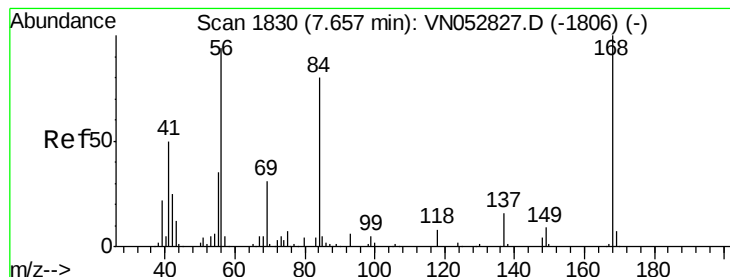
MMDadoda
12/13/2018 1:36:32 PM



#30
Chloroform
Concen: 19.160 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	52.1	78.1





#31

Cyclohexane

Concen: 19.576 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS02

Tot Ion: 56 Resp: 382821

Ion Ratio Lower Upper

56 100

69 37.4 26.6 39.8

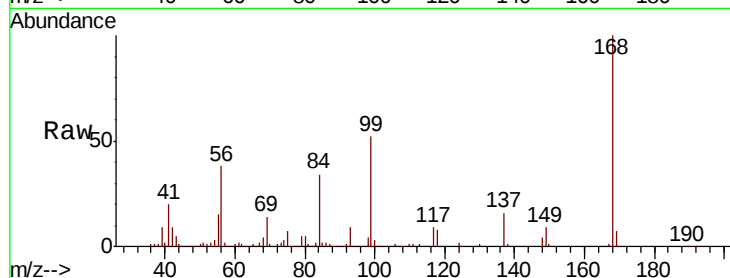
84 87.3 68.4 102.6

Manual Integrations

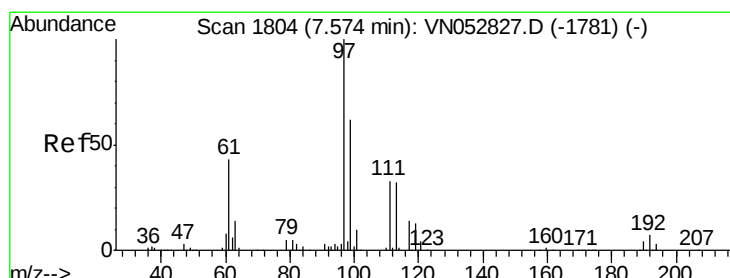
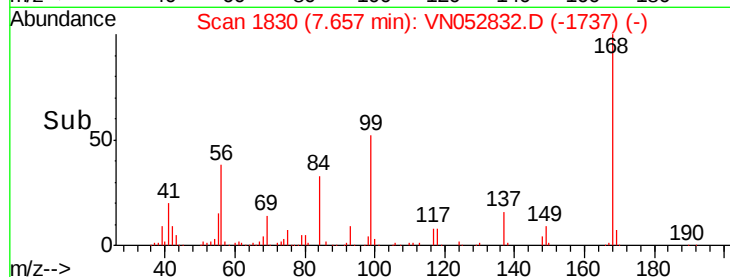
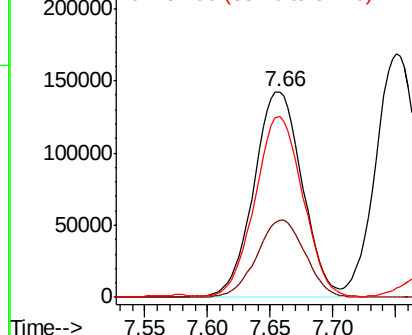
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Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 19.276 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

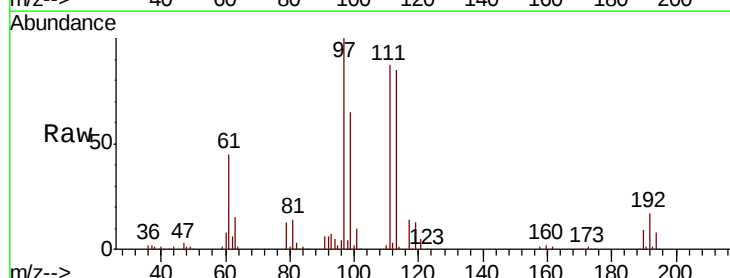
Tgt Ion: 97 Resp: 309756

Ion Ratio Lower Upper

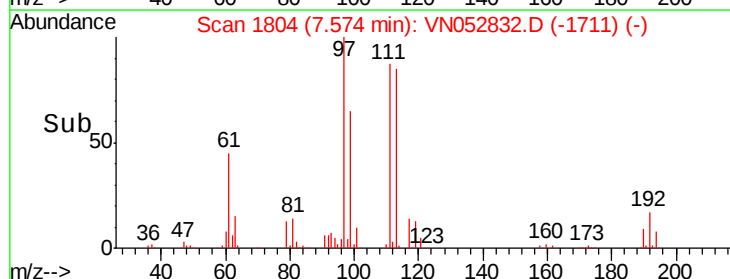
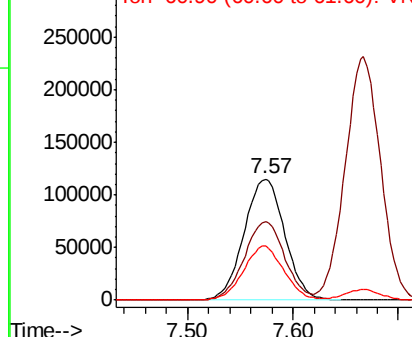
97 100

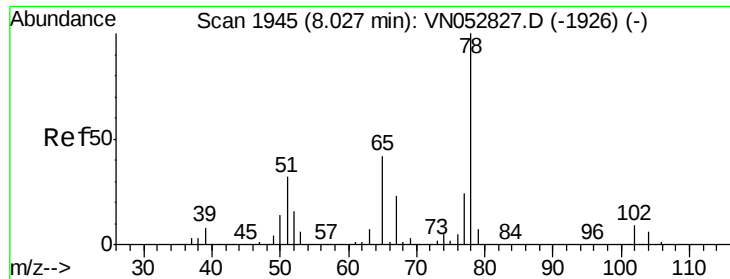
99 64.5 51.1 76.7

61 44.0 35.0 52.6



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





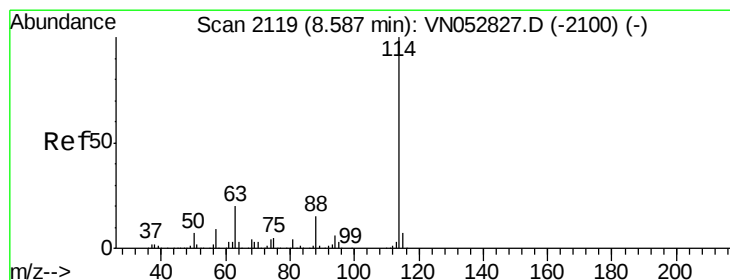
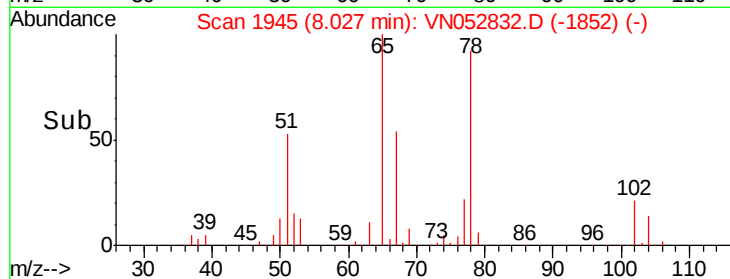
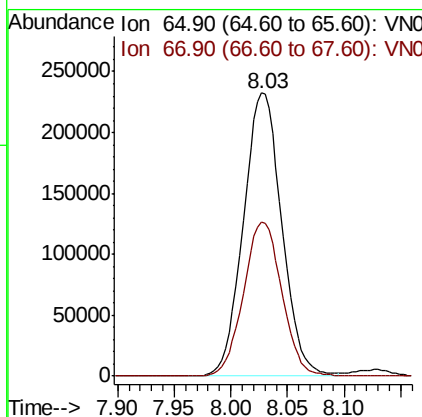
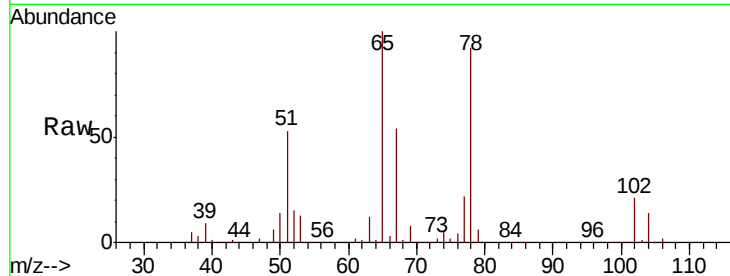
#33
 1,2-Dichloroethane-d4
 Concen: 19.276 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052832.D
 Acq: 12 Dec 2018 17:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.6	0.0	110.4	

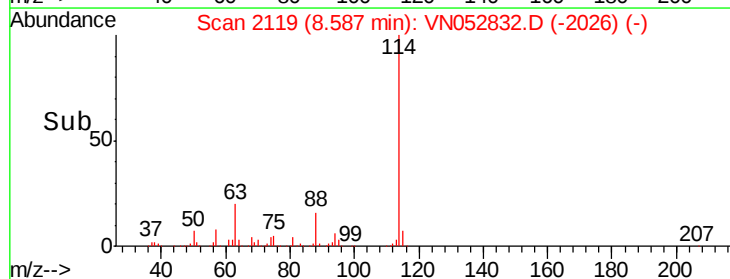
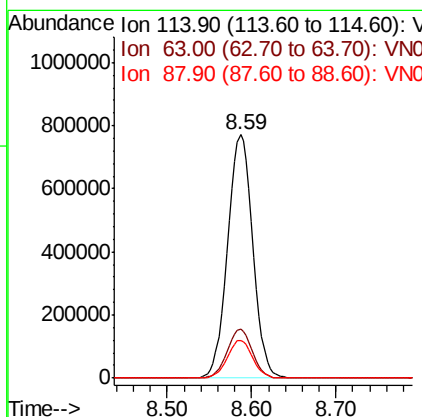
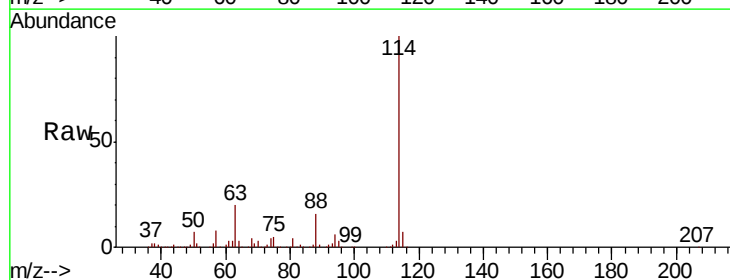
Manual Integrations
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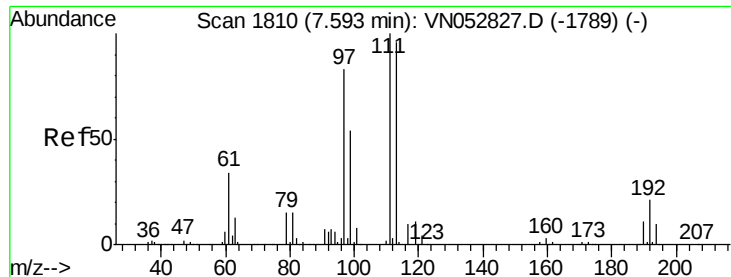
MMDadoda
 12/13/2018 1:36:32 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052832.D
 Acq: 12 Dec 2018 17:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.9	0.0	39.8	
88	15.7	0.0	31.0	





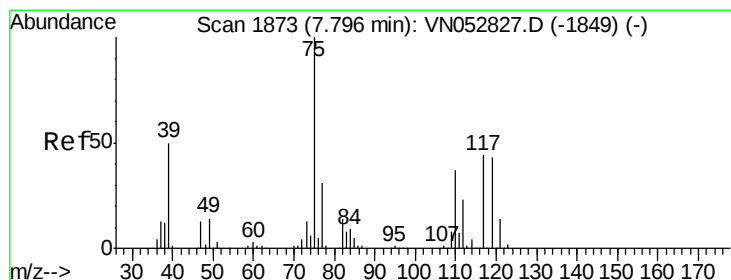
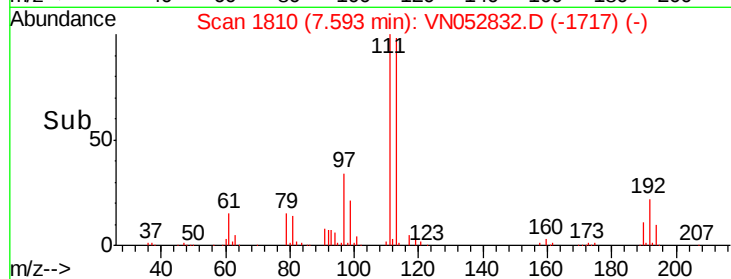
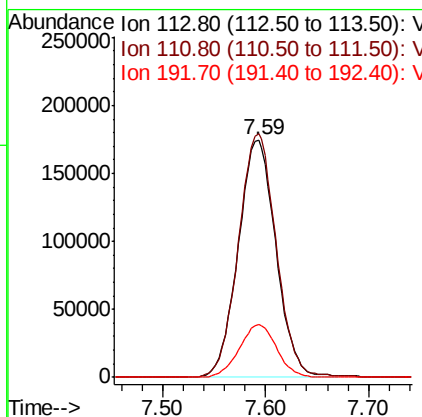
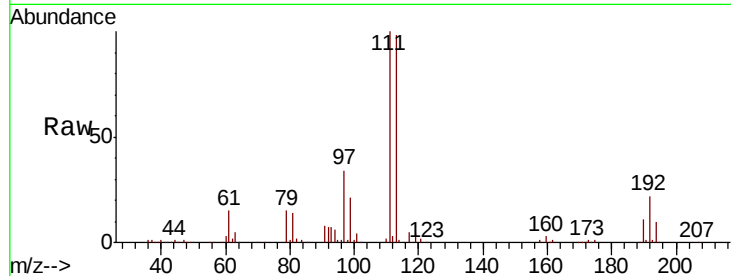
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	444688		
111	102.8	83.0	124.4	
192	22.0	17.5	26.3	

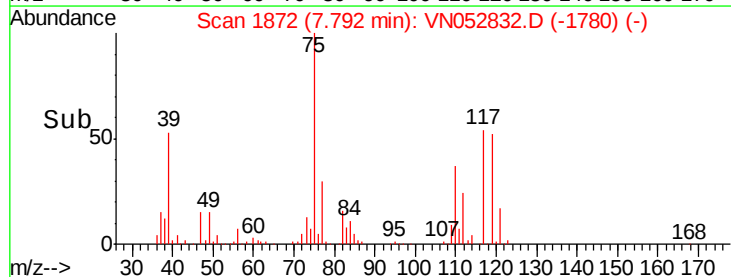
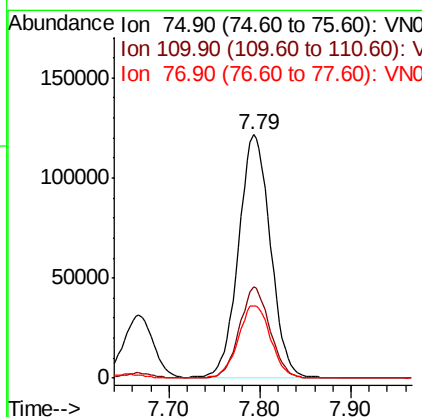
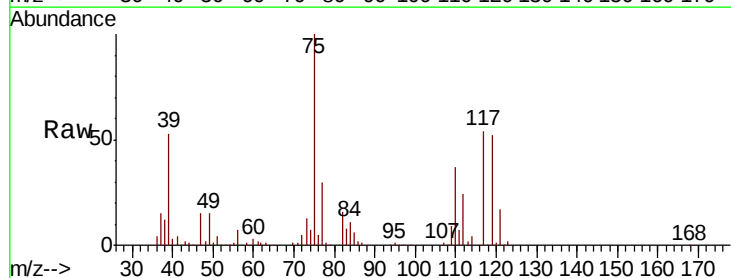
Manual Integrations
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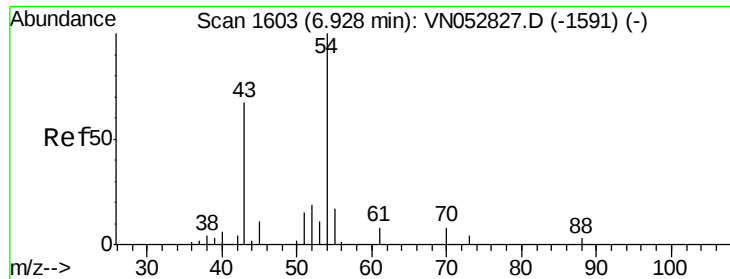
MMDadoda
12/13/2018 1:36:32 PM



#36
1,1-Dichloropropene
Concen: 20.078 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	295380		
110	35.8	18.2	54.6	
77	30.4	24.9	37.3	





#37

Ethyl Acetate

Concen: 19.526 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

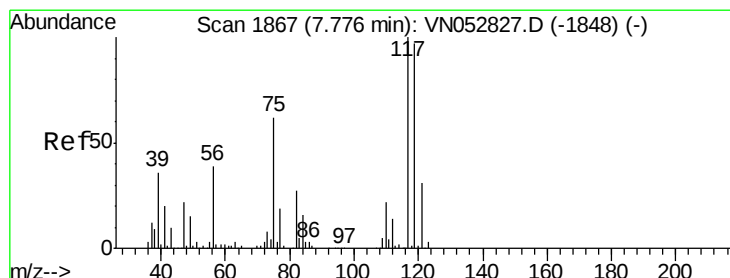
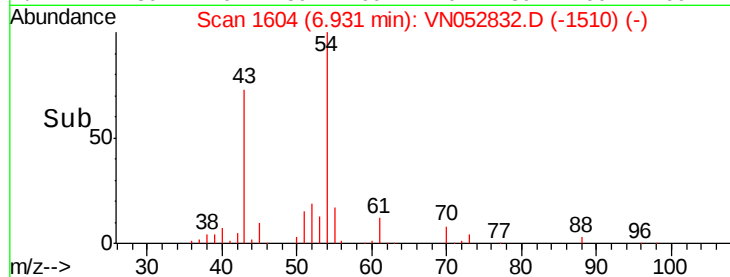
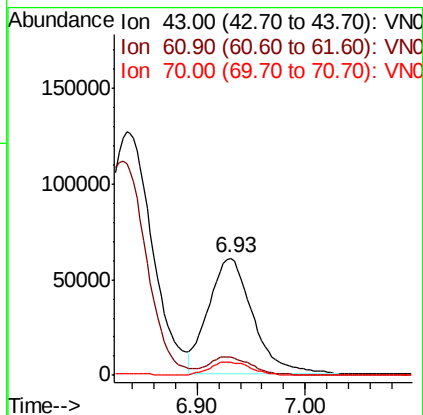
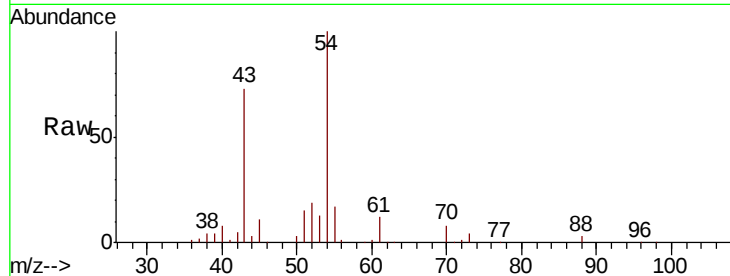
ClientSampleId :

VN1212WBS02

Tot Ion:	43	Resp:	172568
Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.8	17.6
70	11.0	8.4	12.6

Manual Integrations
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12/13/2018 1:36:32 PM



#38

Carbon Tetrachloride

Concen: 20.217 ug/l

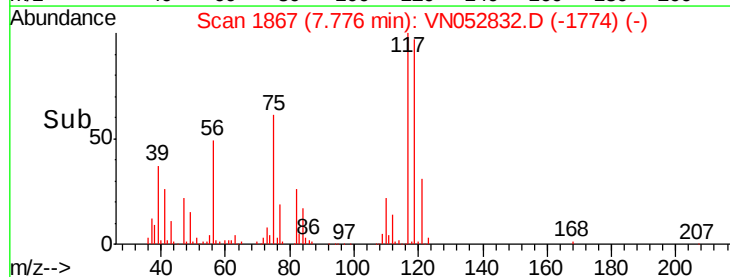
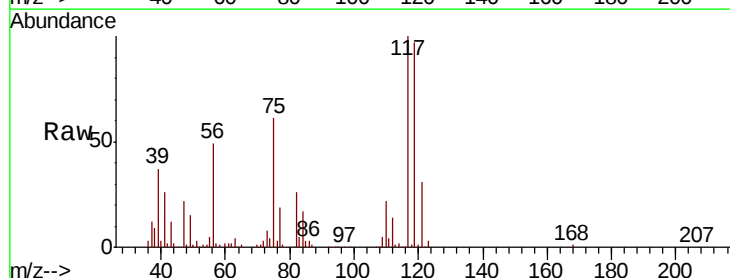
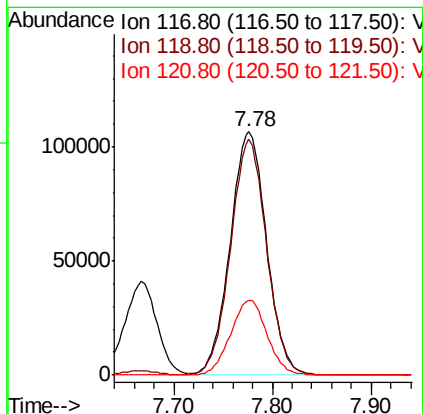
RT: 7.78 min Scan# 1867

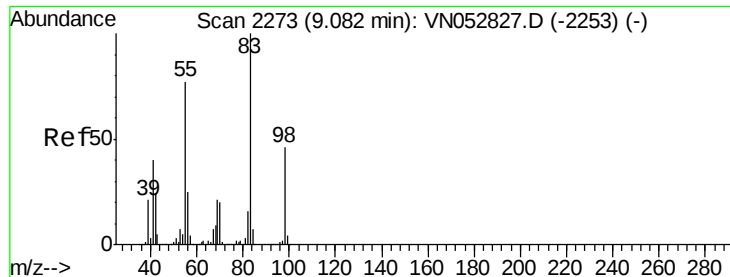
Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Tgt Ion:	117	Resp:	273763
Ion	Ratio	Lower	Upper
117	100		
119	96.8	77.1	115.7
121	30.9	24.9	37.3





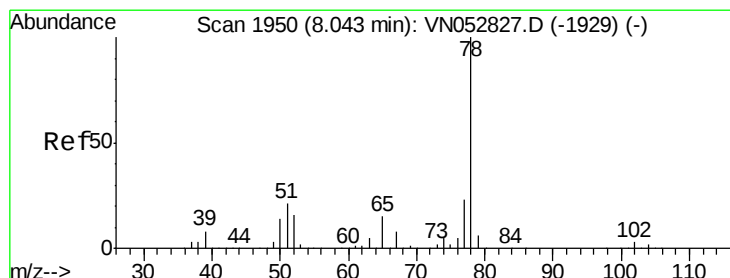
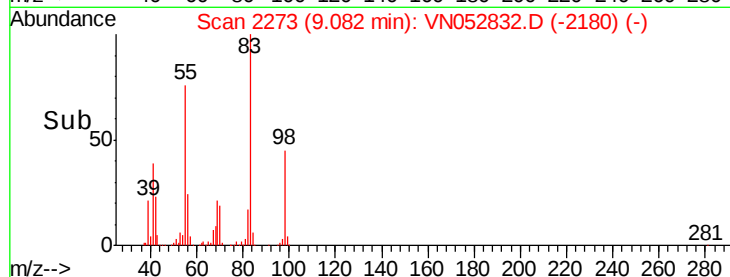
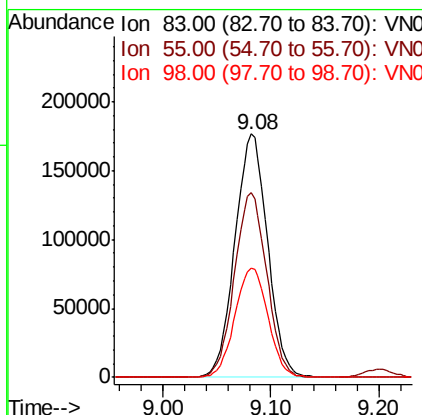
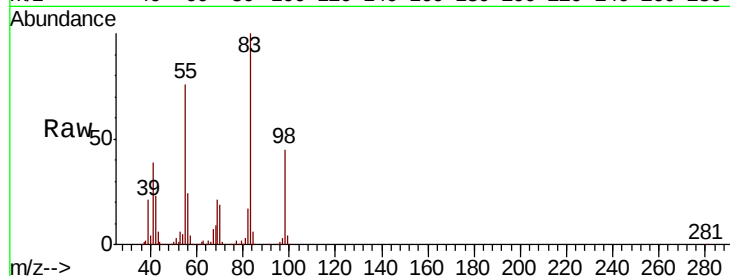
#39
Methylvlcyclohexane
Concen: 20.509 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.1	61.3	91.9
98	44.8	37.0	55.4

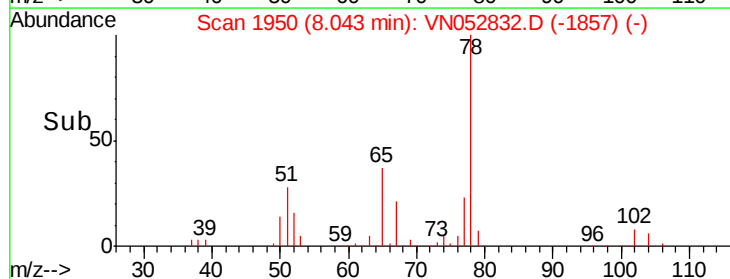
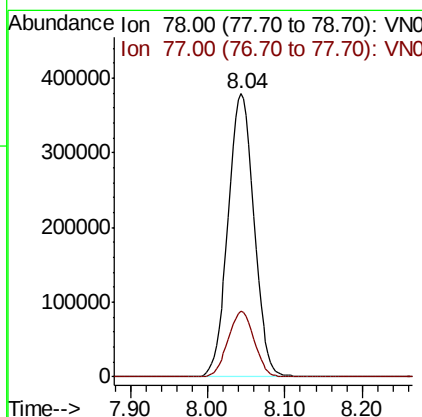
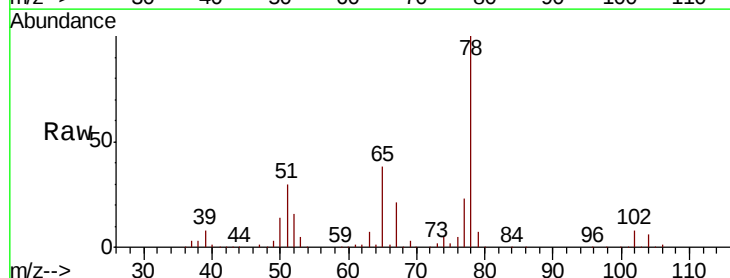
Manual Integrations
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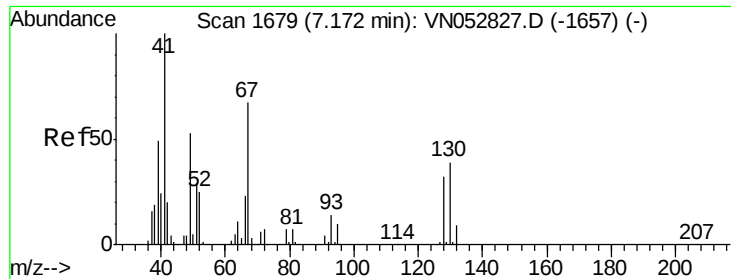
MMDadoda
12/13/2018 1:36:32 PM



#40
Benzene
Concen: 19.923 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.5	27.7





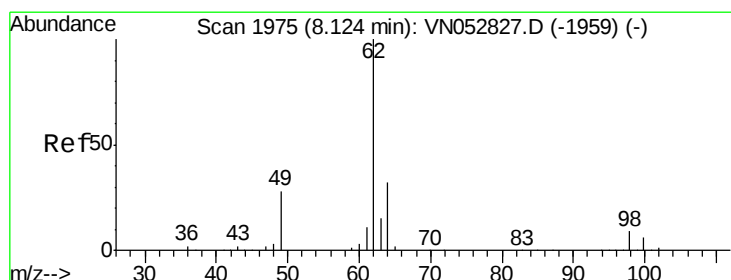
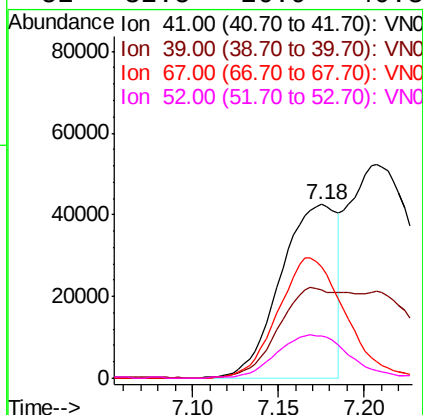
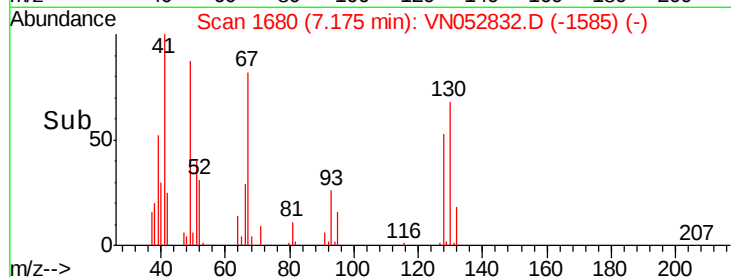
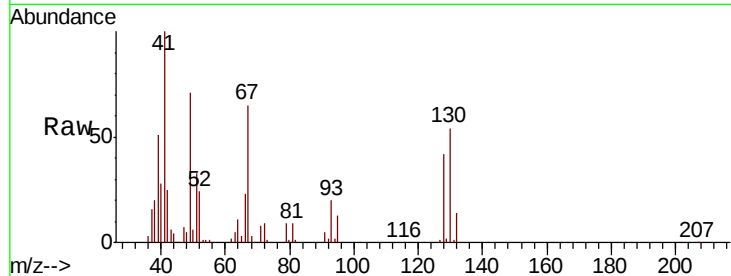
#41
Methacrylonitrile
Concen: 19.845 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	69.1	48.0	72.0
67	83.0	70.3	105.5
52	32.5	26.9	40.3

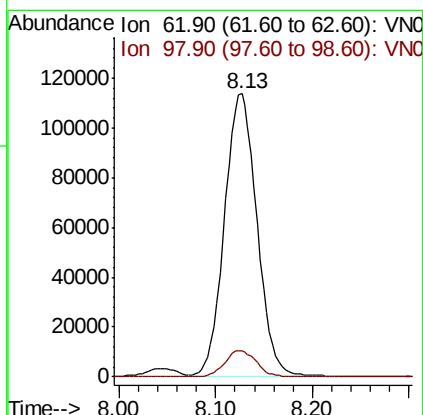
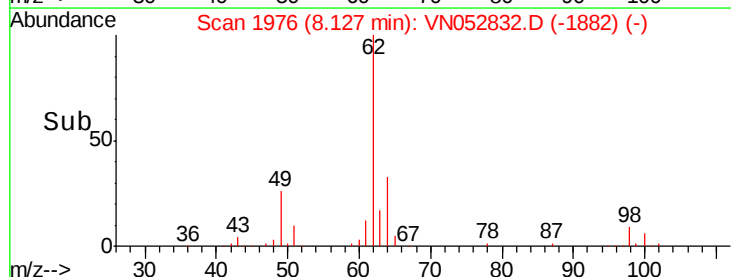
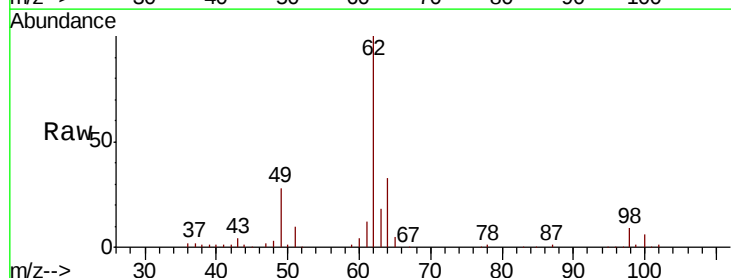
Manual Integrations
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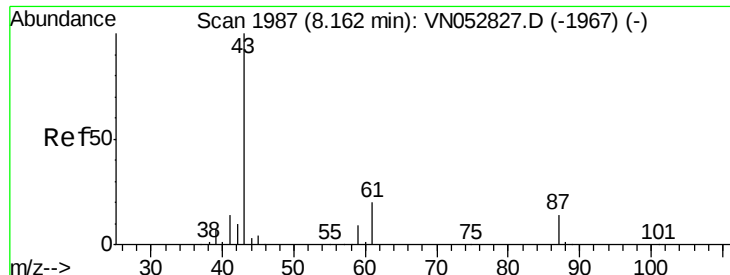
MMDadoda
12/13/2018 1:36:32 PM



#42
1,2-Dichloroethane
Concen: 19.929 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	19.0





#43

Isopropyl Acetate

Concen: 17.599 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

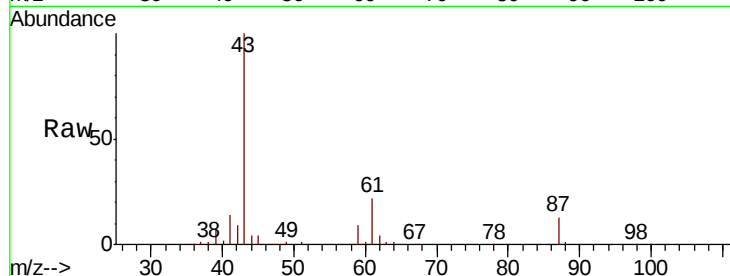
ClientSampleId :

VN1212WBS02

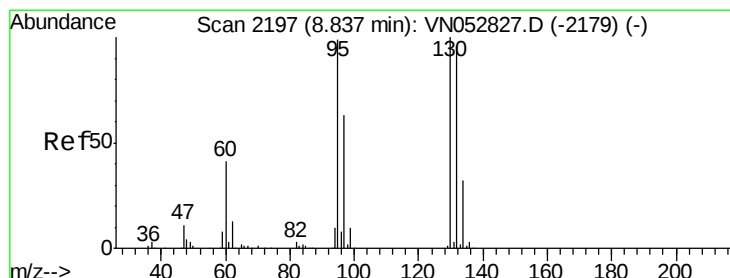
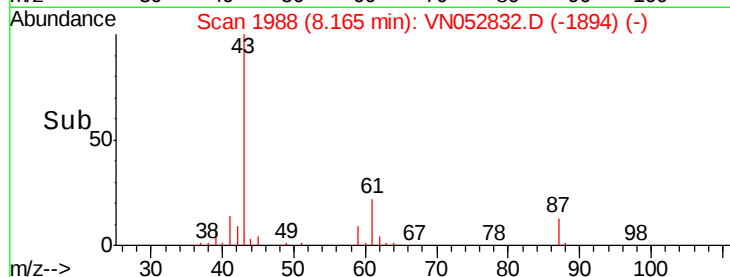
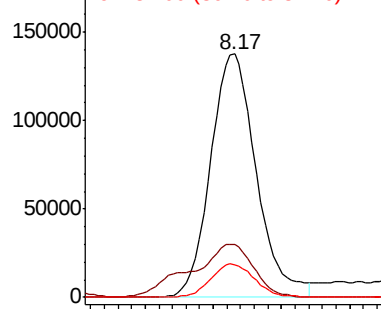
Tot Ion:	43	Resp:	318891
Ion Ratio	Lower	Upper	
43	100		
61	29.6	22.9	34.3
87	13.2	10.6	15.8

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Abundance Ion 43.00 (42.70 to 43.70): VN052832.D (-1967) (-)



#44

Trichloroethene

Concen: 19.817 ug/l

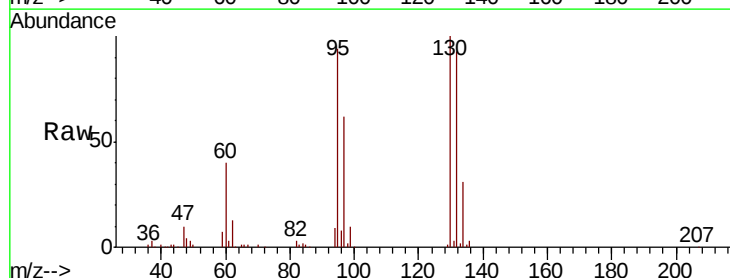
RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

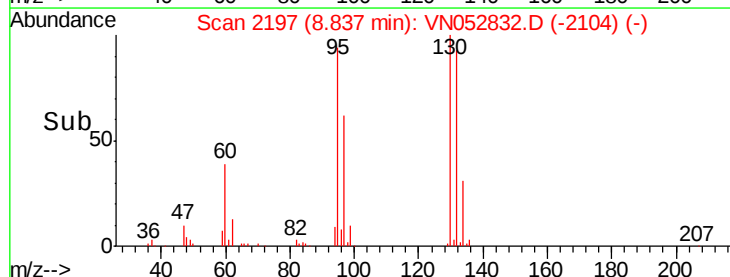
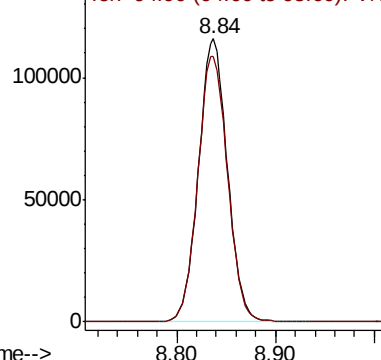
Lab File: VN052832.D

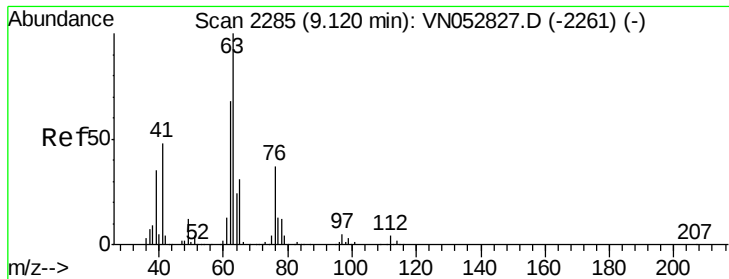
Acq: 12 Dec 2018 17:33

Tgt Ion:	130	Resp:	236353
Ion Ratio	Lower	Upper	
130	100		
95	93.6	0.0	197.8



Abundance Ion 129.80 (129.50 to 130.50): VN052832.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 19.887 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS02

Tot Ion: 63 Resp: 229999

Ion Ratio Lower Upper

63 100

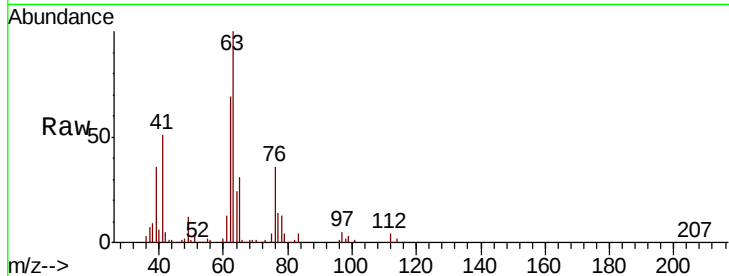
65 31.1 24.6 37.0

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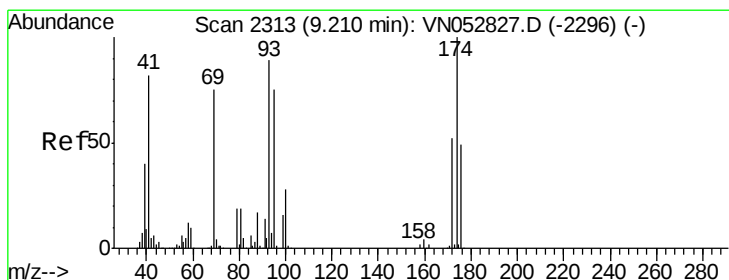
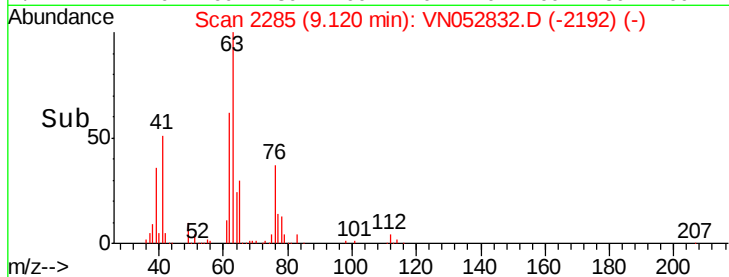
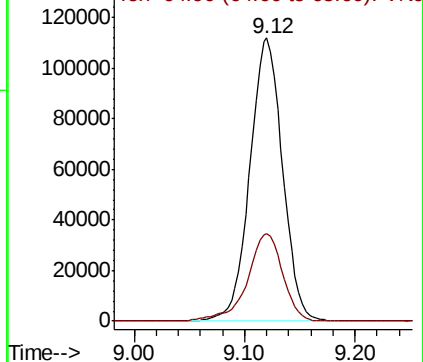
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.384 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

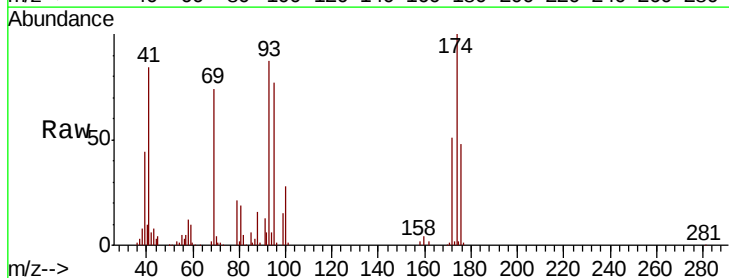
Tgt Ion: 93 Resp: 130011

Ion Ratio Lower Upper

93 100

95 85.9 67.8 101.6

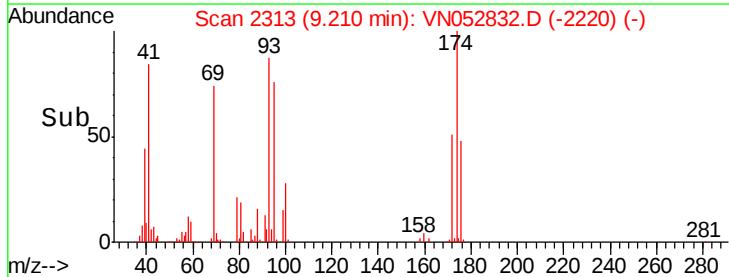
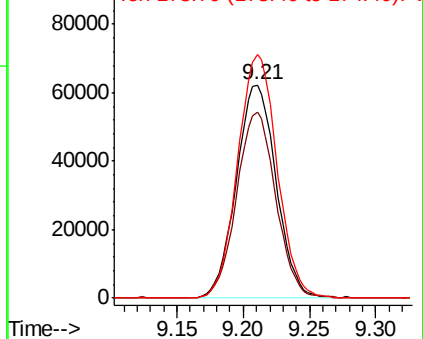
174 113.4 89.0 133.4

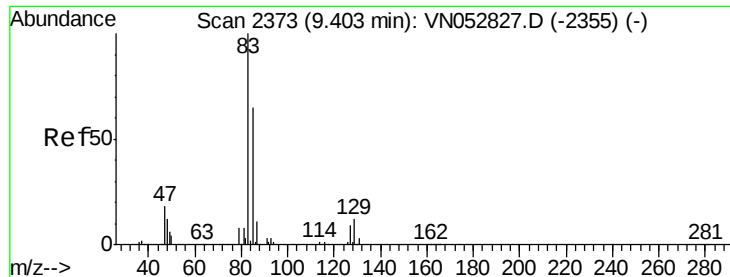


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.773 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

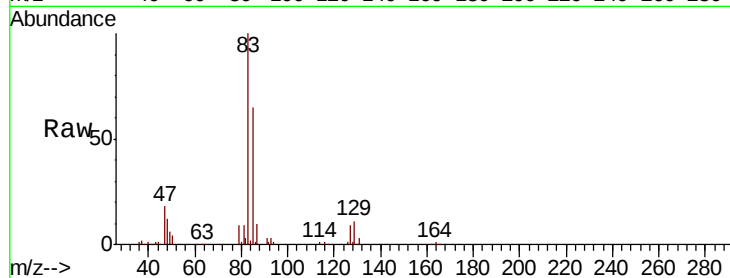
ClientSampleId :

VN1212WBS02

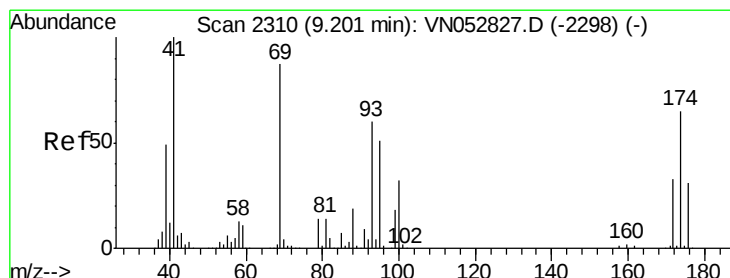
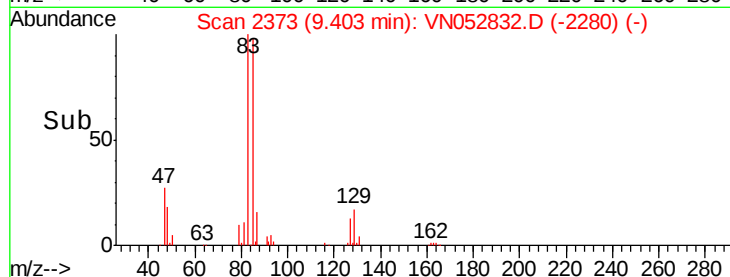
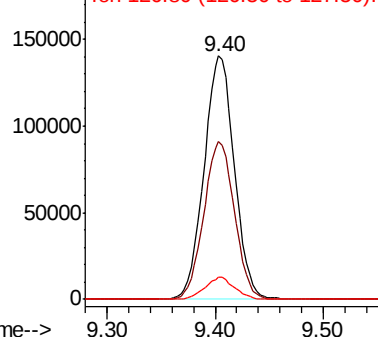
Tot Ion:	83	Resp:	275017
Ion Ratio	Lower	Upper	
83	100		
85	64.6	51.6	77.4
127	8.9	7.1	10.7

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Abundance Ion 82.90 (82.60 to 83.60): VN052832.D (-2280) (-)



#48

Methyl methacrylate

Concen: 20.172 ug/l

RT: 9.20 min Scan# 2310

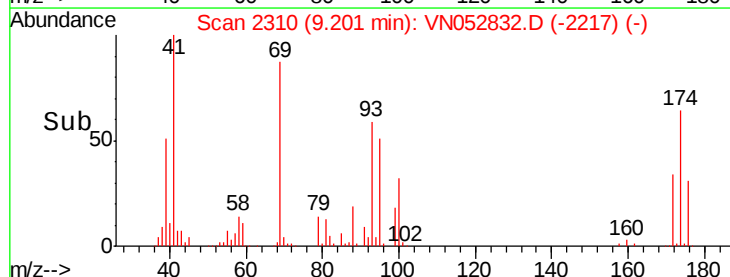
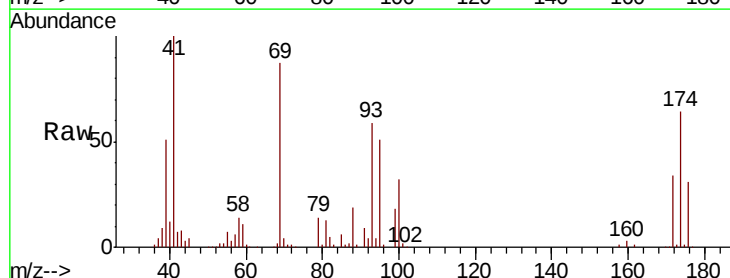
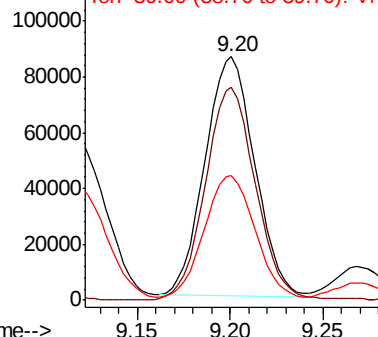
Delta R.T. -0.00 min

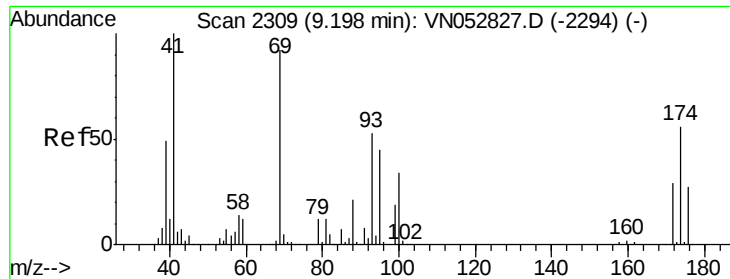
Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Tgt Ion:	41	Resp:	160293
Ion Ratio	Lower	Upper	
41	100		
69	89.8	72.2	108.2
39	53.6	41.9	62.9

Abundance Ion 41.00 (40.70 to 41.70): VN052832.D (-2217) (-)





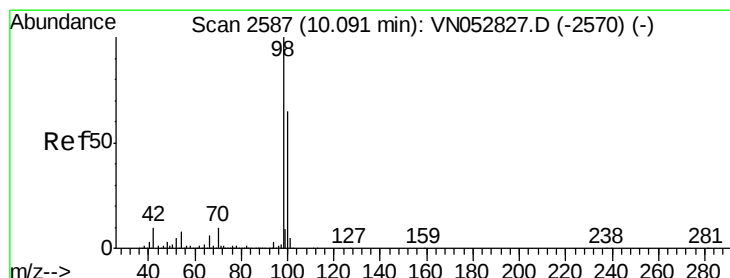
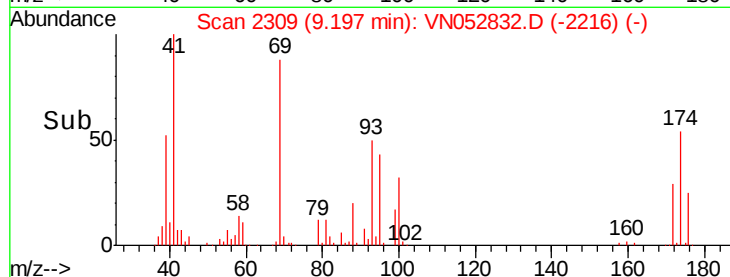
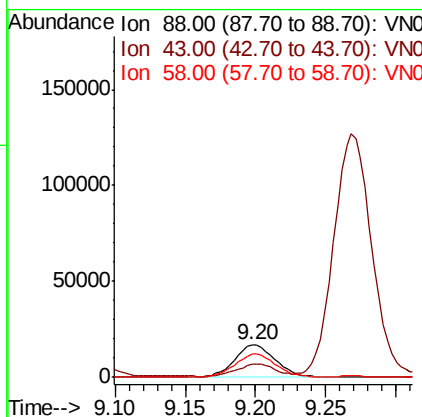
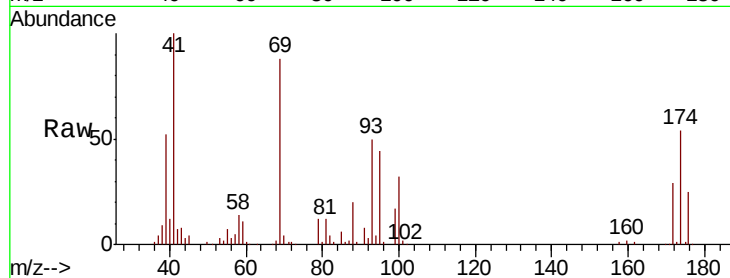
#49
1,4-Dioxane
Concen: 383.639 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.2	26.6	40.0
58	72.0	58.4	87.6

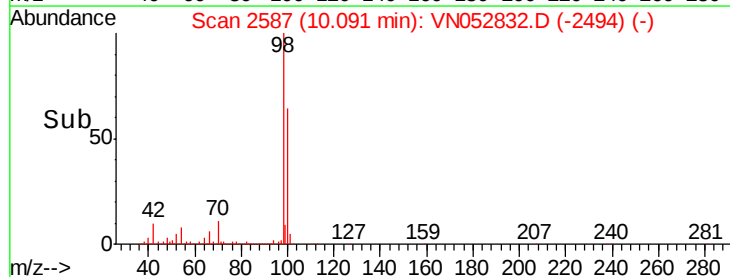
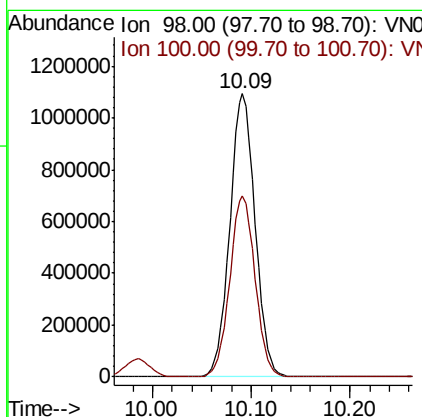
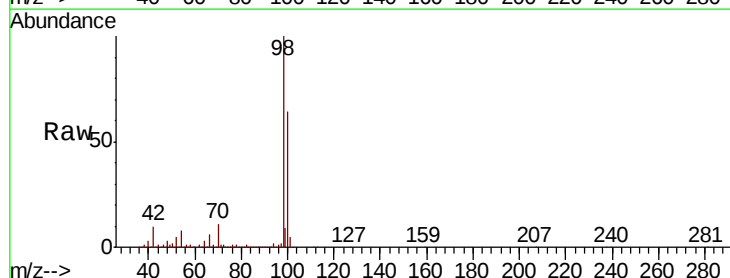
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#50
Toluene-d8
Concen: 383.639 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.6	77.4





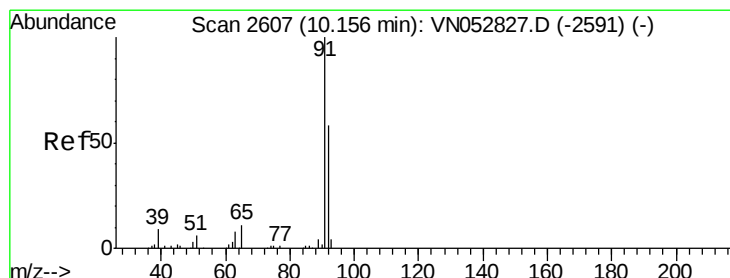
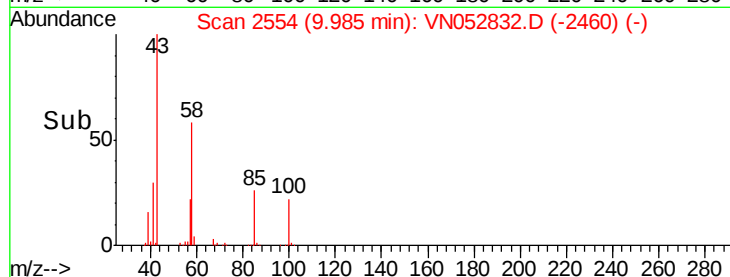
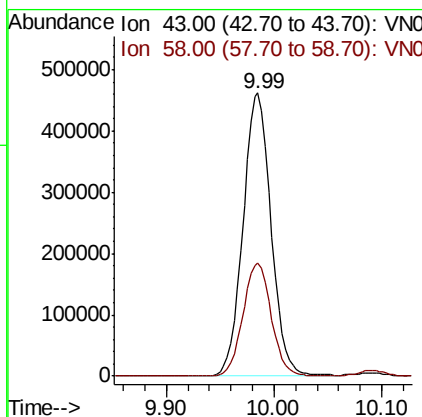
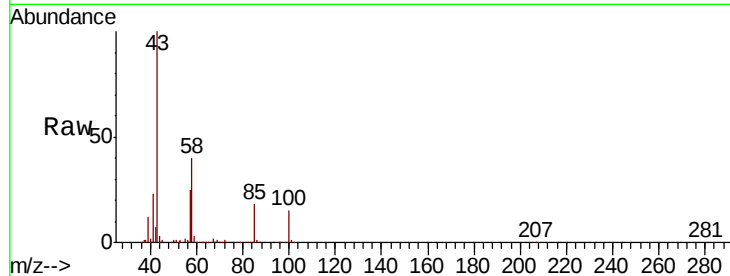
#51
4-Methyl-2-Pentanone
Concen: 100.098 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.4	32.2	48.4

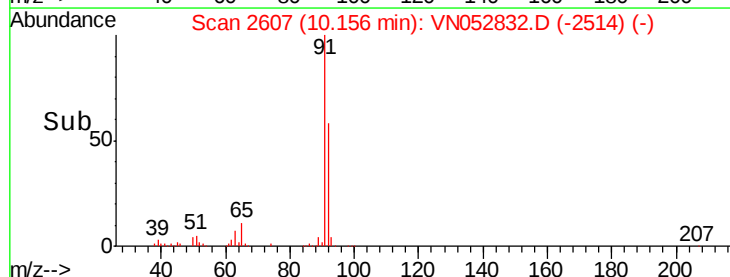
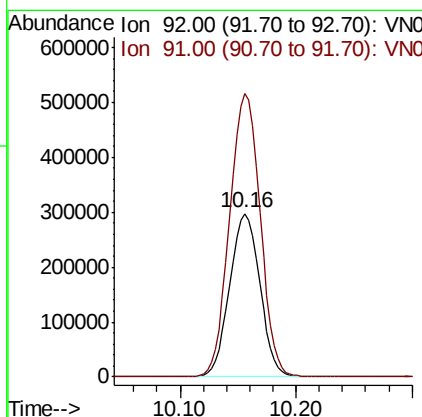
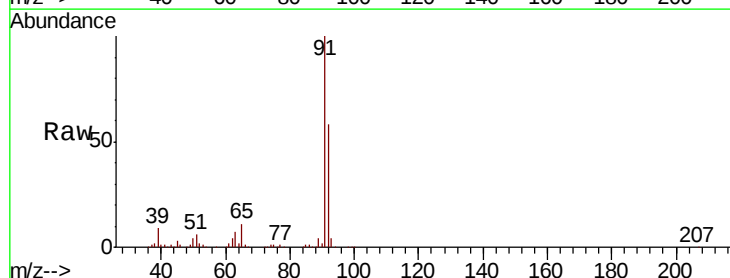
Manual Integrations
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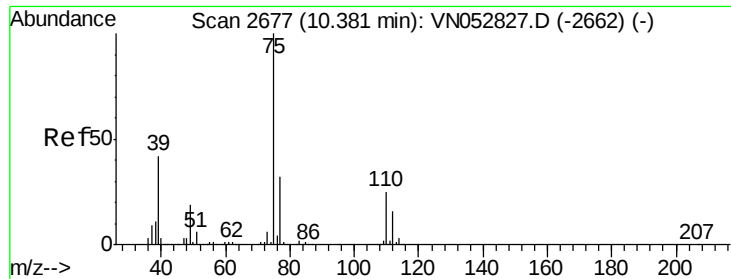
MMDadoda
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#52
Toluene
Concen: 20.022 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.1	139.8	209.6





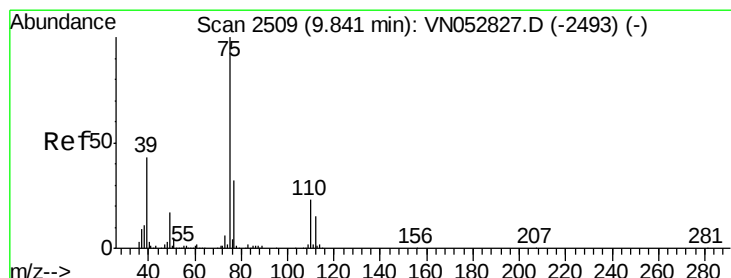
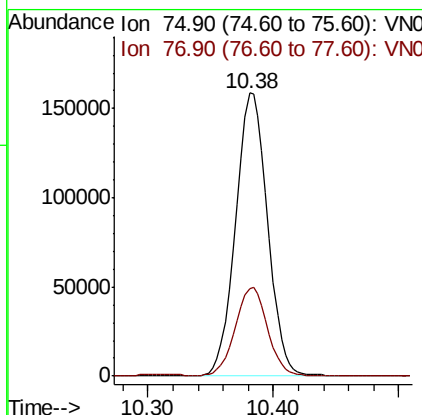
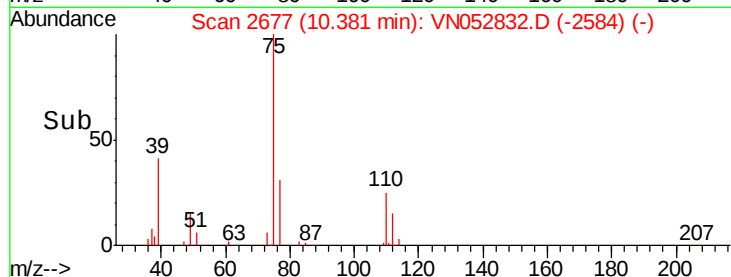
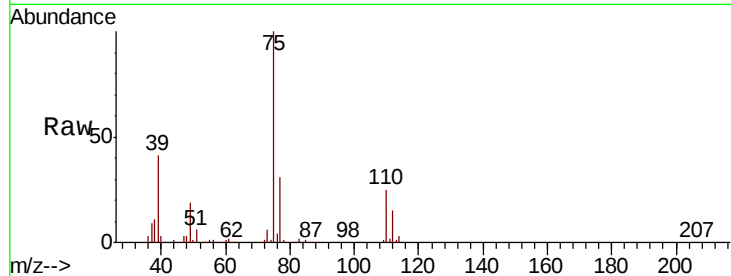
#53
t-1,3-Dichloropropene
Concen: 20.101 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.6	38.4

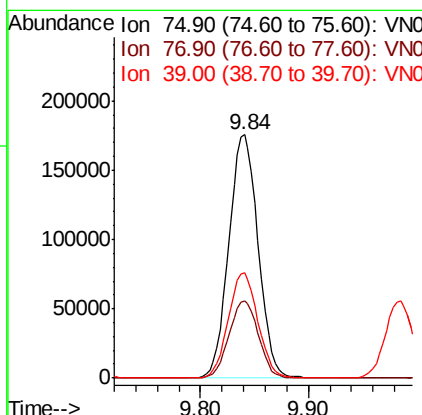
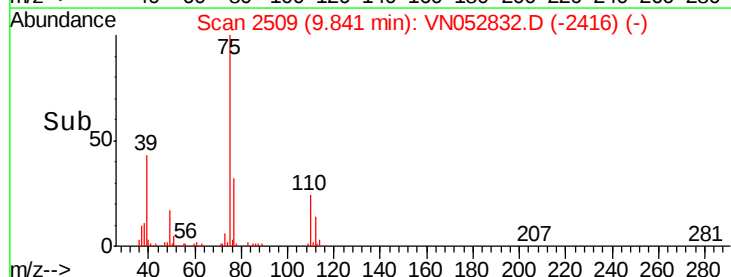
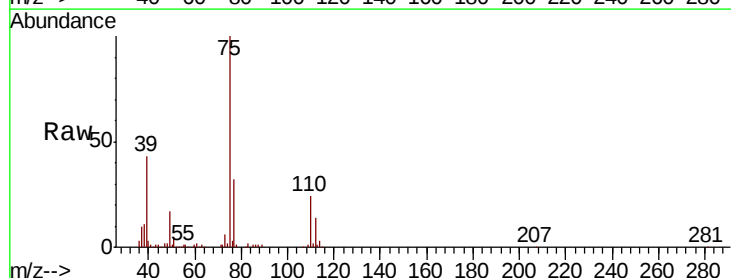
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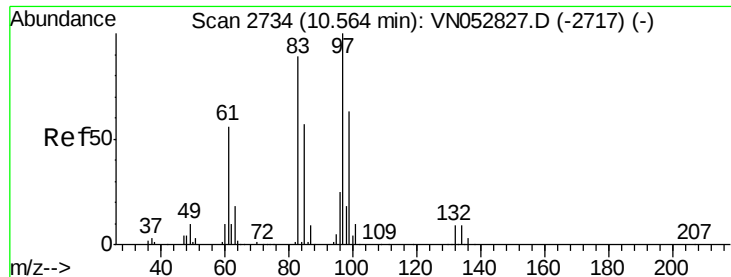
MMDadoda
12/13/2018 1:36:32 PM



#54
cis-1,3-Dichloropropene
Concen: 19.938 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.8	38.8
39	43.4	34.8	52.2





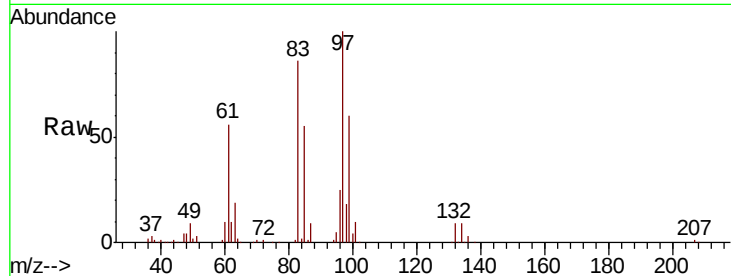
#55
 1,1,2-Trichloroethane
 Concen: 19.990 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN052832.D
 Acq: 12 Dec 2018 17:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS02

Tot Ion:	97	Resp:	190828
Ion	Ratio	Lower	Upper
97	100		
83	86.0	70.9	106.3
85	54.7	45.4	68.2
99	60.2	50.4	75.6

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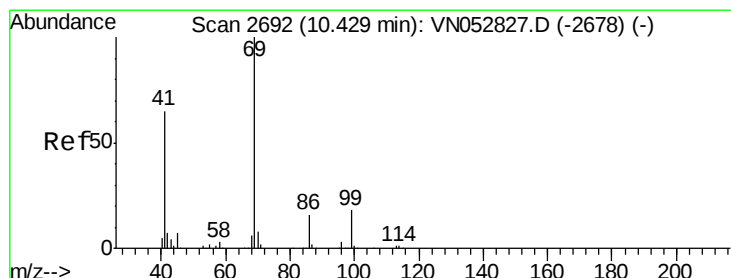
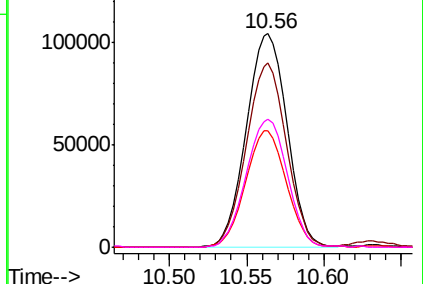
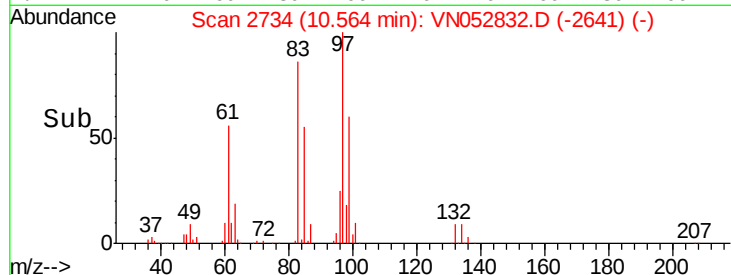
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

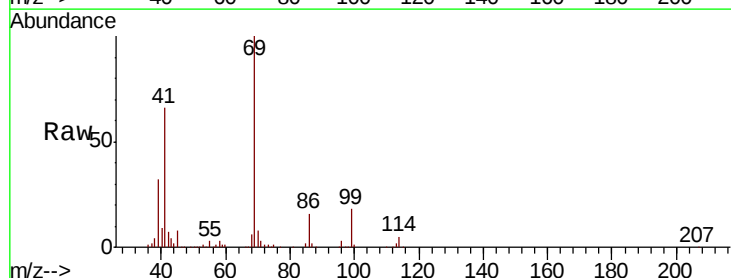
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 19.985 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052832.D
 Acq: 12 Dec 2018 17:33

Tgt Ion:	69	Resp:	244839
Ion	Ratio	Lower	Upper
69	100		
41	64.0	51.7	77.5
39	31.2	24.6	37.0

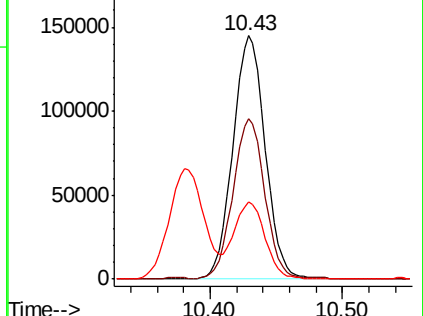
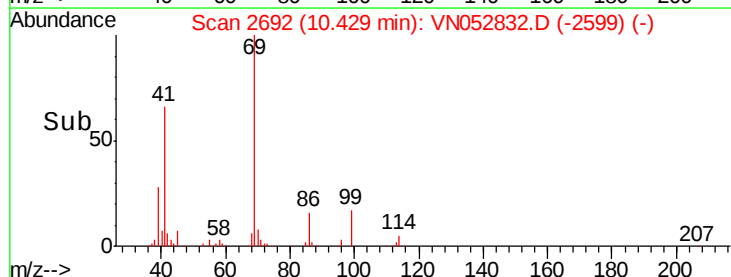


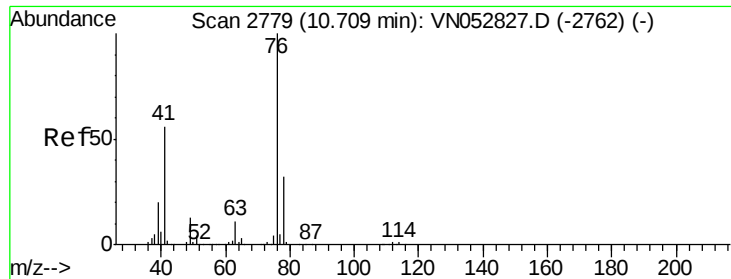
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 19.874 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS02

Tot Ion: 76 Resp: 325344

Ion Ratio Lower Upper

76 100

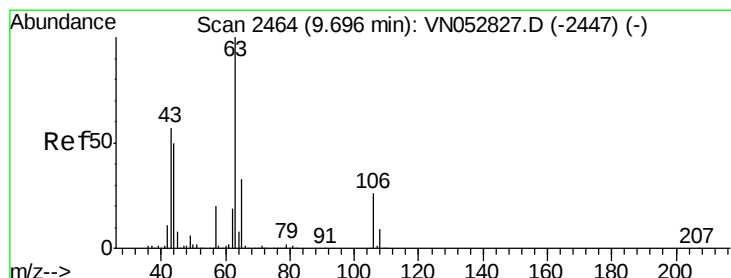
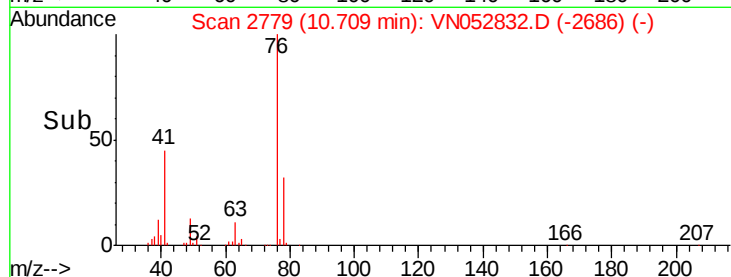
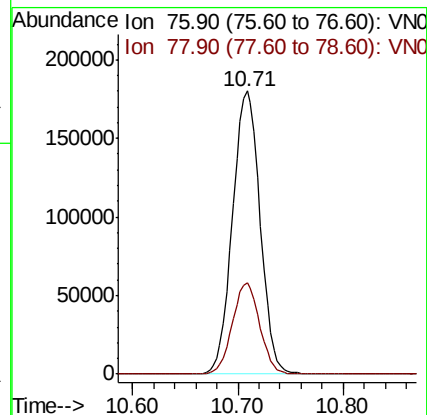
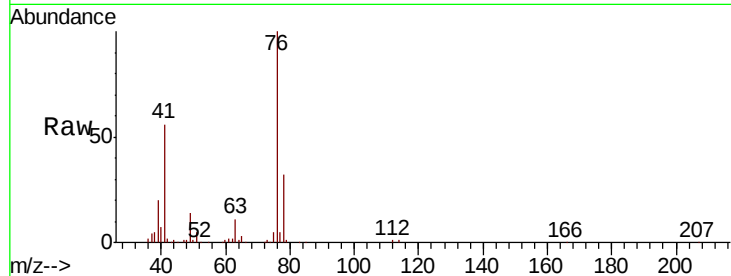
78 31.9 25.8 38.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 99.062 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN052832.D

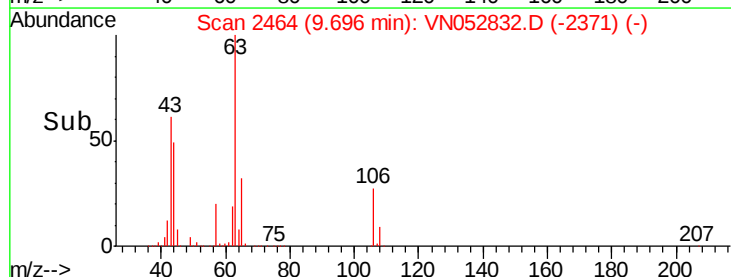
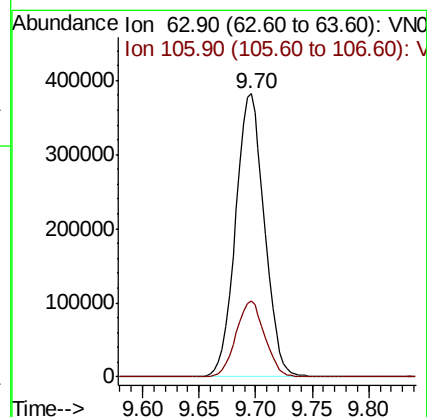
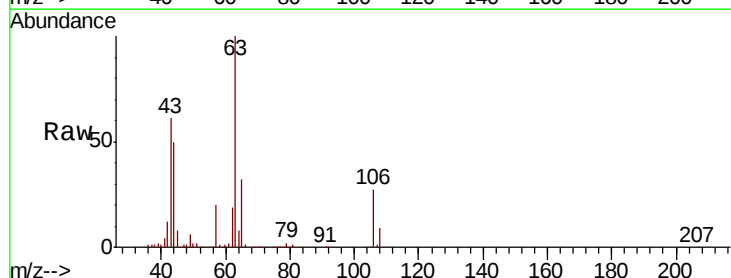
Acq: 12 Dec 2018 17:33

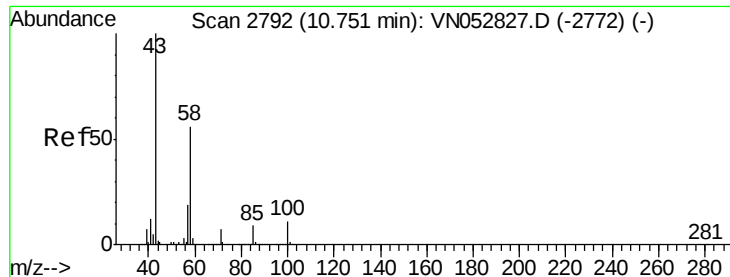
Tgt Ion: 63 Resp: 677179

Ion Ratio Lower Upper

63 100

106 26.8 21.0 31.6





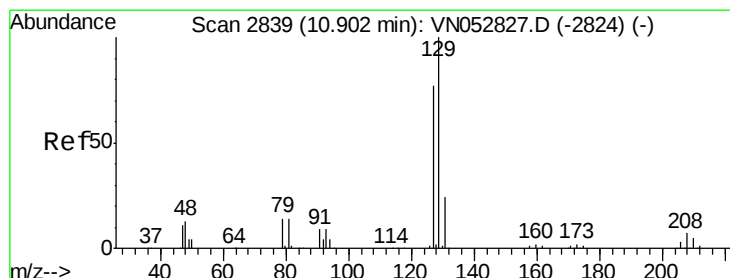
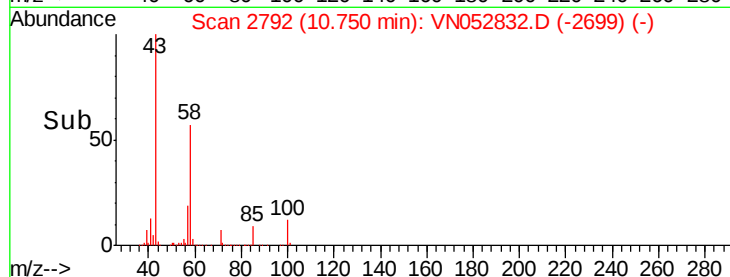
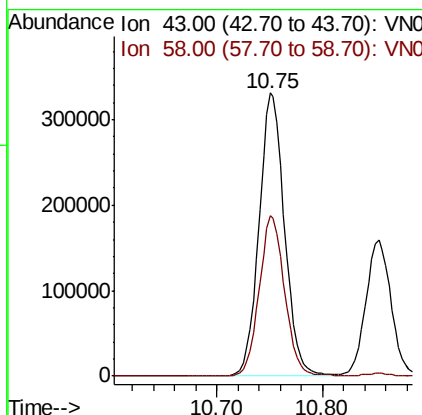
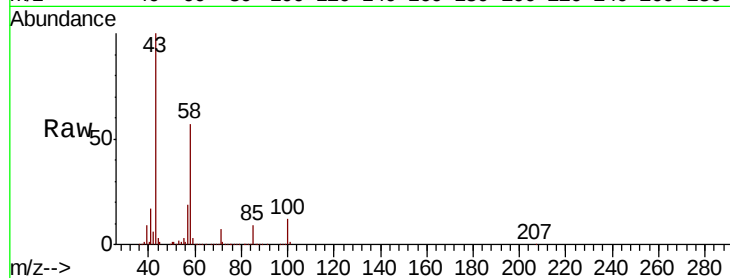
#59
2-Hexanone
Concen: 98.010 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS02

Tot Ion: 43 Resp: 558076
Ion Ratio Lower Upper
43 100
58 56.6 28.1 84.3

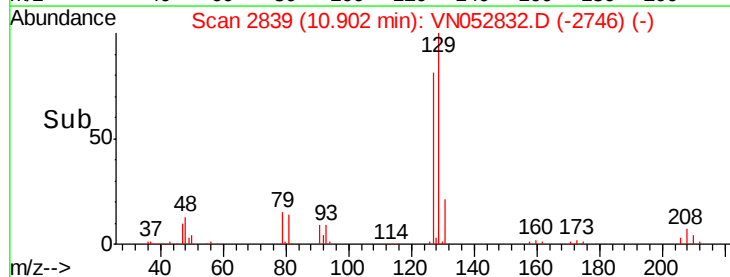
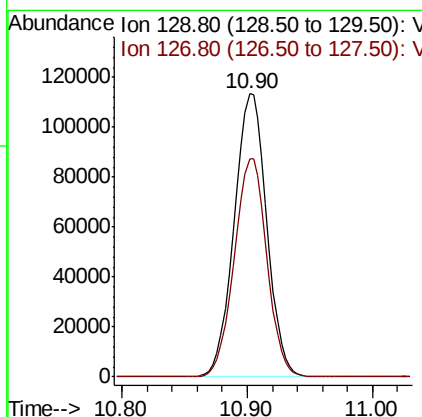
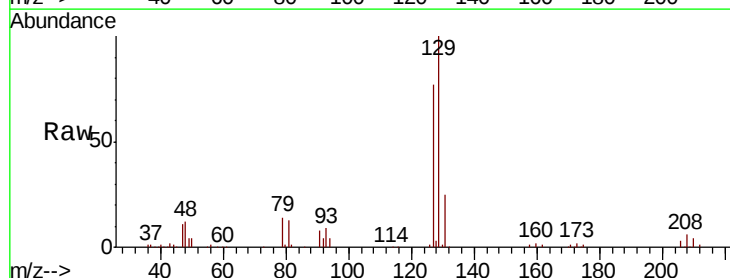
Manual Integrations
APPROVED

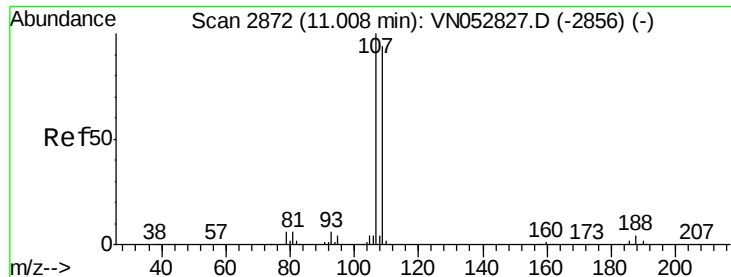
MMDadoda
12/13/2018 1:36:32 PM



#60
Dibromochloromethane
Concen: 19.871 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Tgt Ion: 129 Resp: 205018
Ion Ratio Lower Upper
129 100
127 77.1 38.6 116.0





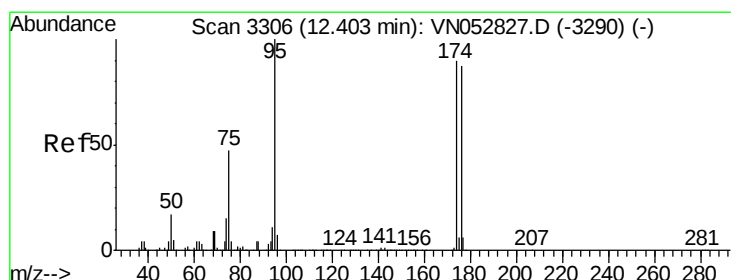
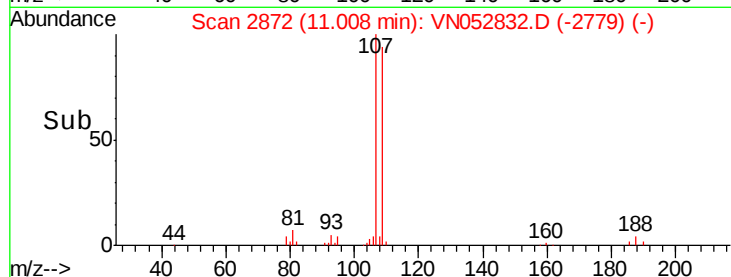
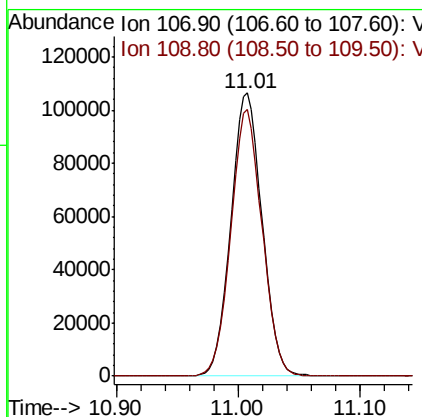
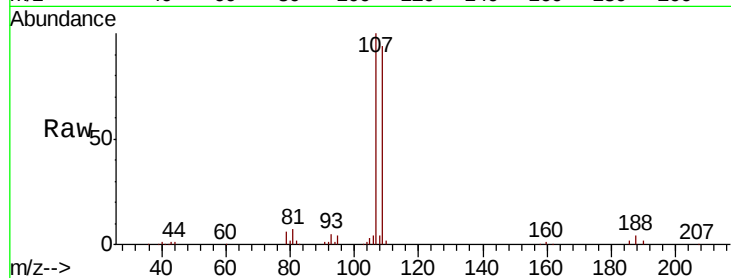
#61
 1,2-Dibromoethane
 Concen: 20.024 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN052832.D
 Acq: 12 Dec 2018 17:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS02

Tot Ion: 107 Resp: 188954
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.4 113.0

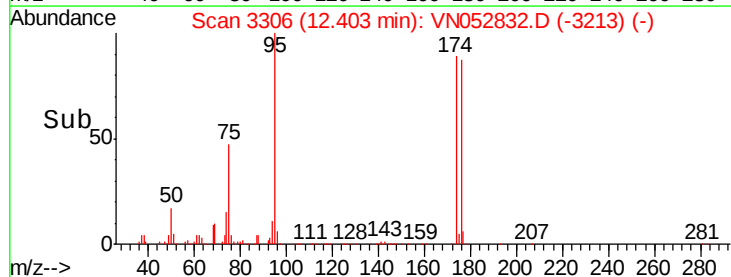
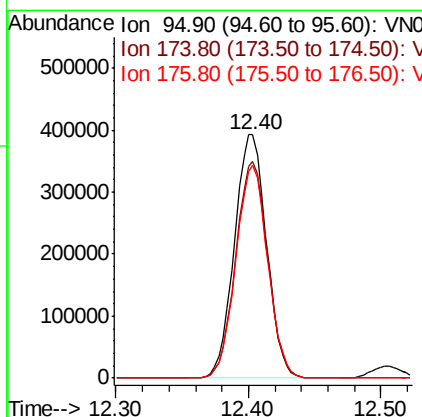
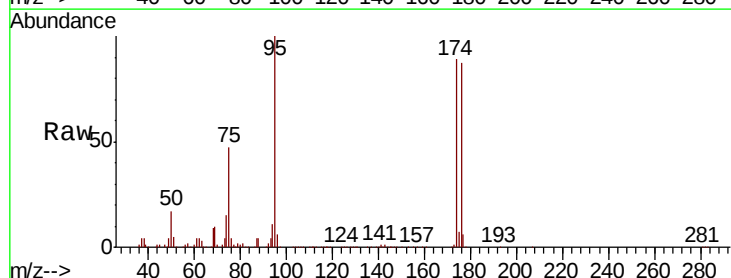
Manual Integrations
 APPROVED

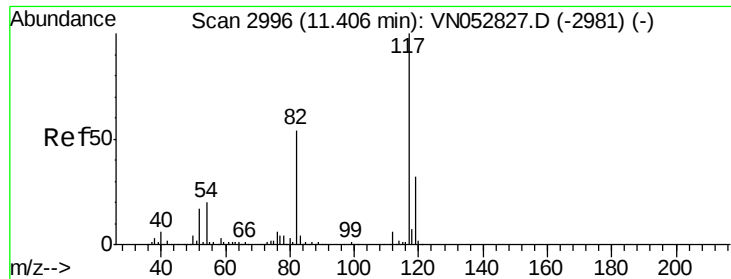
MMDadoda
 12/13/2018 1:36:32 PM



#62
 4-Bromofluorobenzene
 Concen: 20.024 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.00 min
 Lab File: VN052832.D
 Acq: 12 Dec 2018 17:33

Tgt Ion: 95 Resp: 660925
 Ion Ratio Lower Upper
 95 100
 174 88.6 0.0 178.8
 176 86.3 0.0 173.8





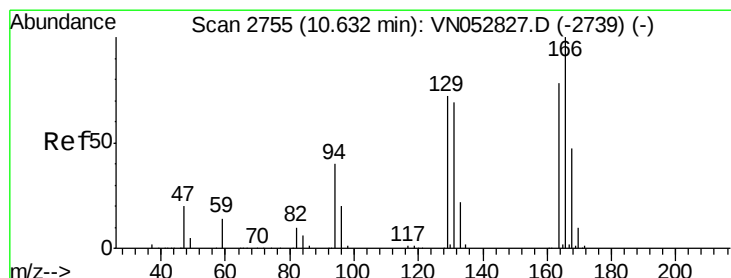
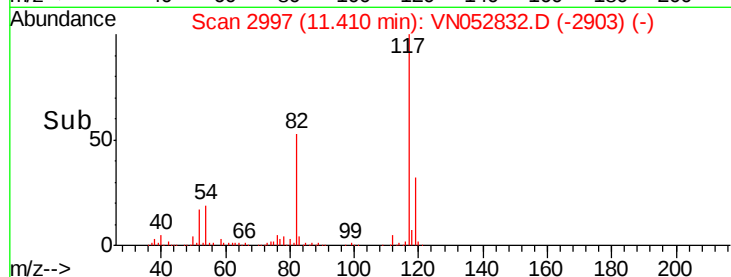
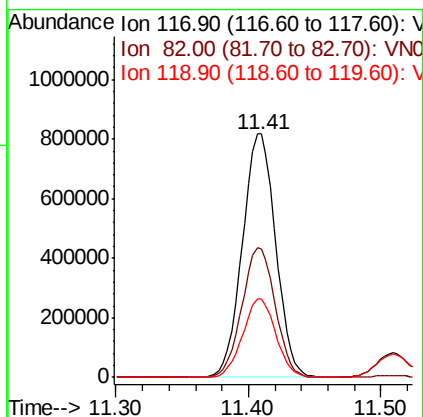
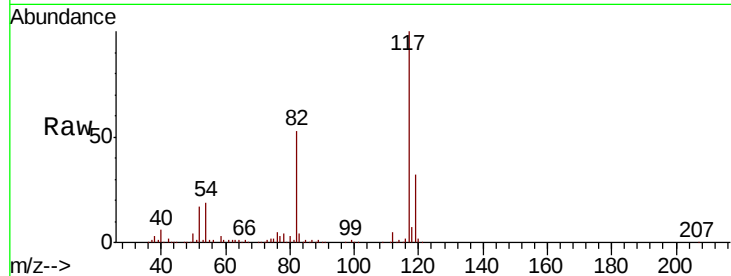
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS02

Tot Ion:117 Resp: 1424863
Ion Ratio Lower Upper
117 100
82 53.0 42.8 64.2
119 32.2 25.5 38.3

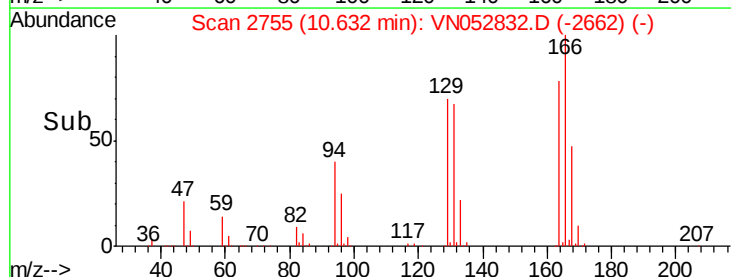
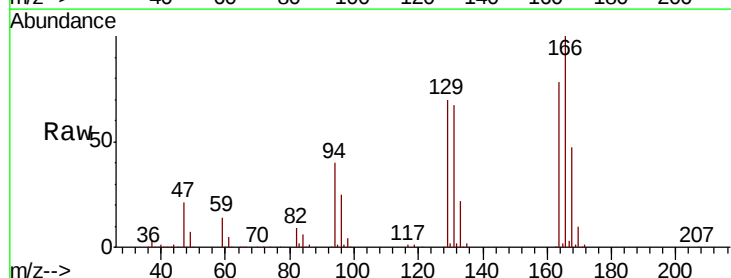
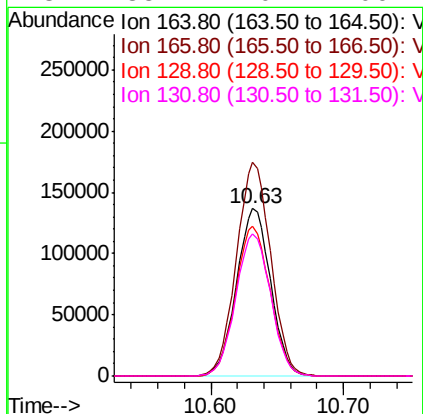
Manual Integrations
APPROVED

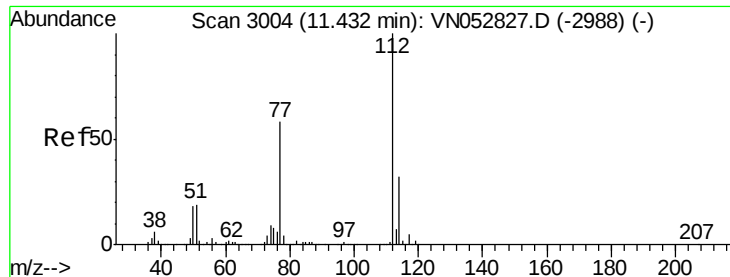
MMDadoda
12/13/2018 1:36:32 PM



#64
Tetrachloroethene
Concen: 19.923 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Tgt Ion:164 Resp: 243983
Ion Ratio Lower Upper
164 100
166 127.7 102.9 154.3
129 89.5 73.7 110.5
131 85.1 70.7 106.1





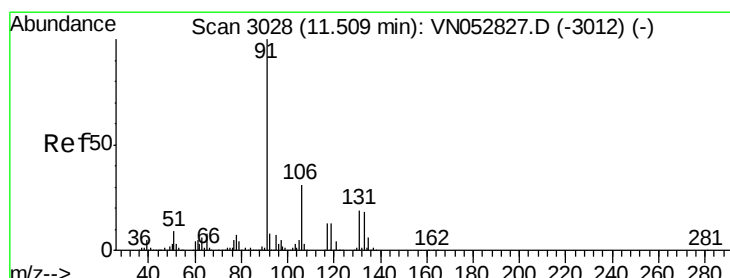
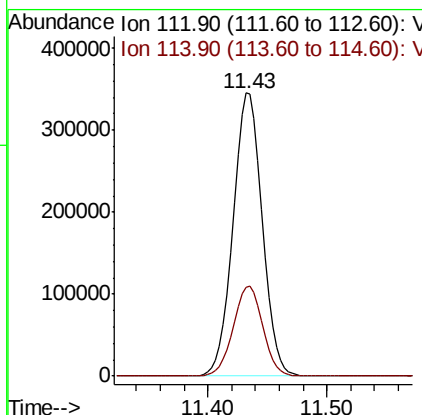
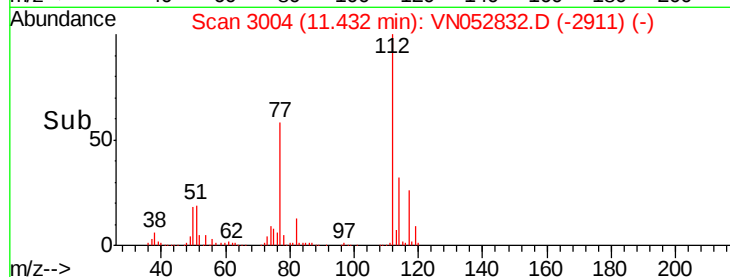
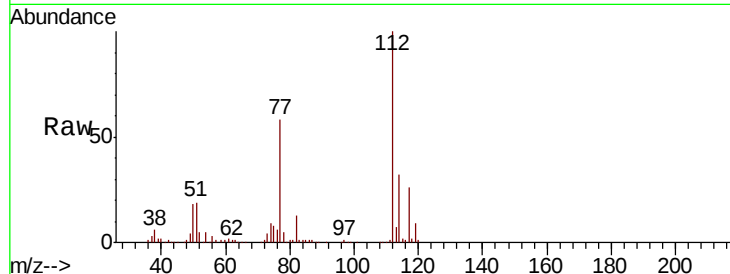
#65
Chlorobenzene
Concen: 19.839 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.5	38.3

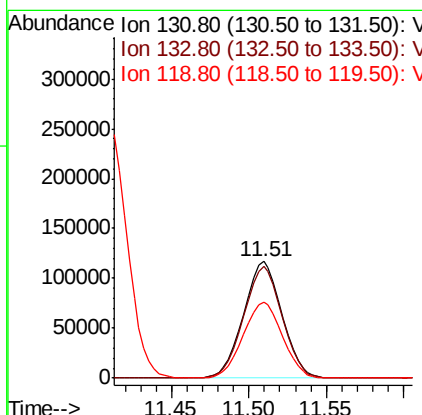
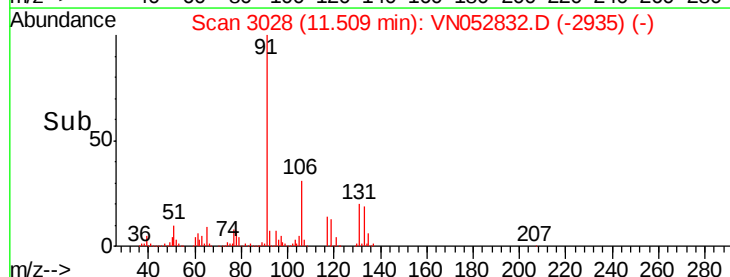
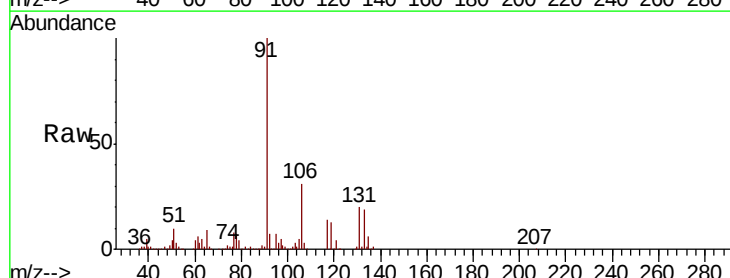
Manual Integrations
APPROVED

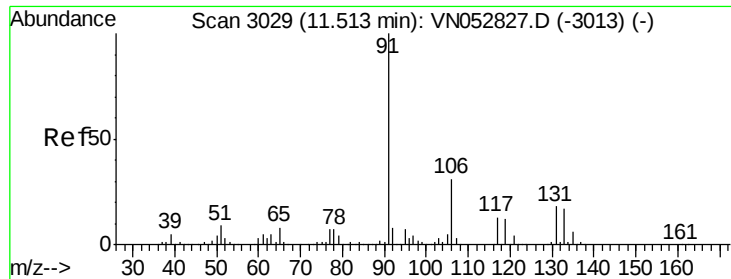
MMDadoda
12/13/2018 1:36:32 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.626 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	47.6	142.9
119	67.0	33.3	99.8





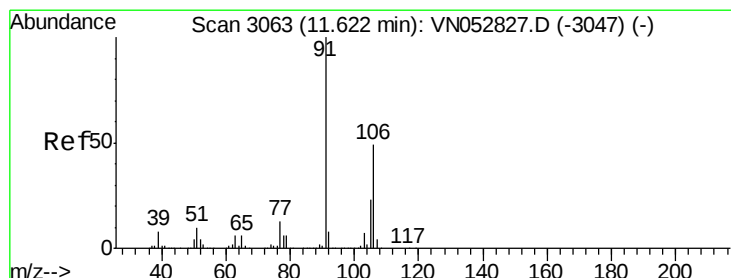
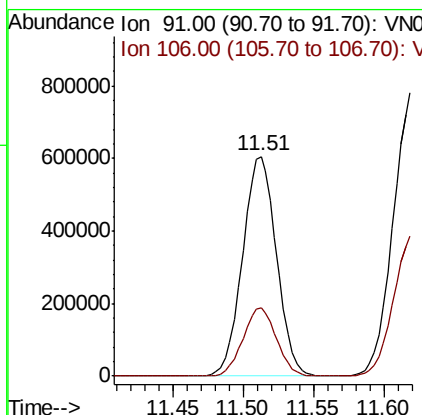
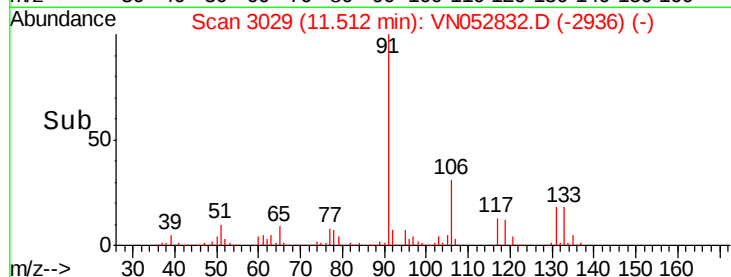
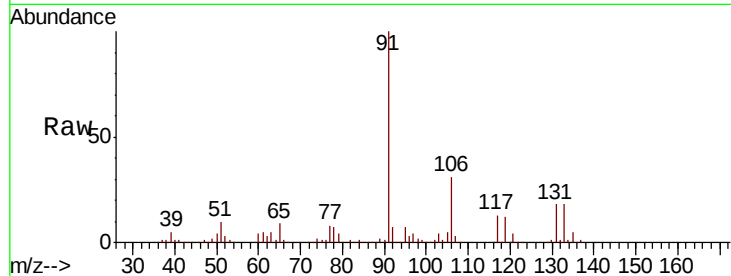
#67
Ethyl Benzene
Concen: 20.062 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS02

Tot Ion: 91 Resp: 1018427
Ion Ratio Lower Upper
91 100
106 31.4 24.9 37.3

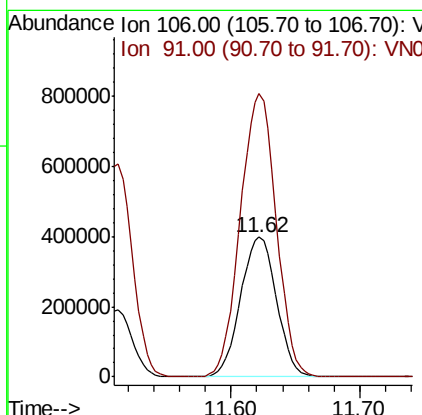
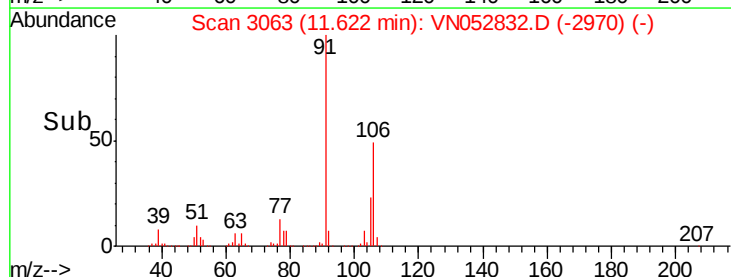
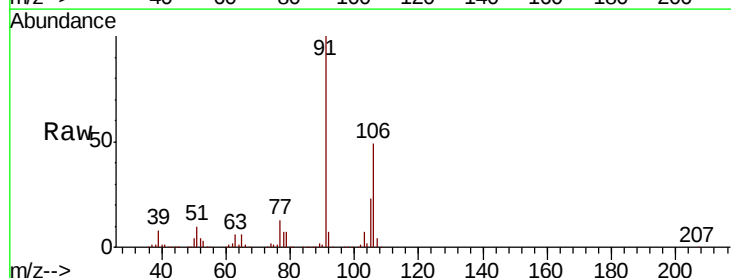
Manual Integrations
APPROVED

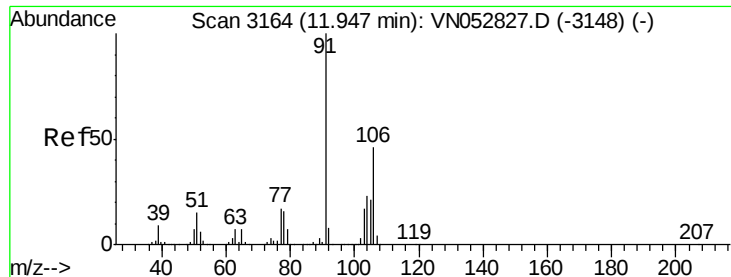
MMDadoda
12/13/2018 1:36:32 PM



#68
m/p-Xylenes
Concen: 40.424 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Tgt Ion: 106 Resp: 770561
Ion Ratio Lower Upper
106 100
91 202.5 162.2 243.4





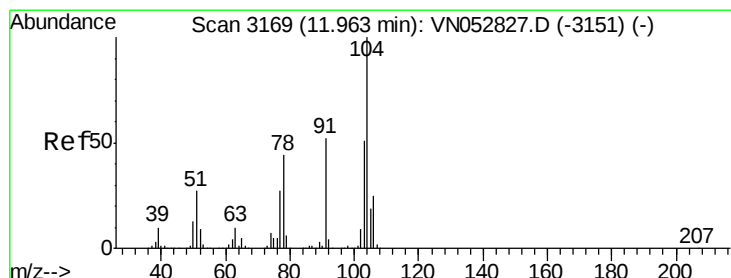
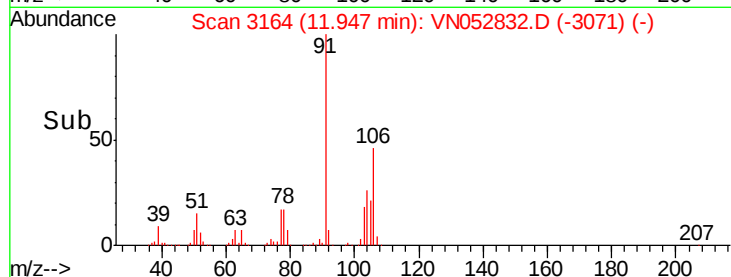
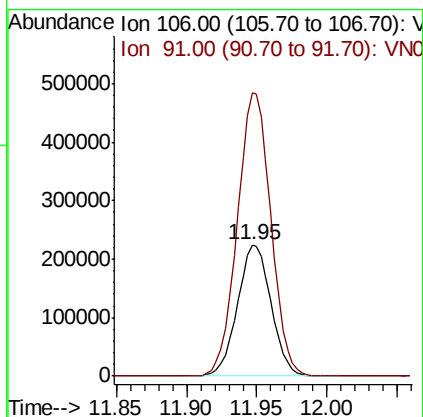
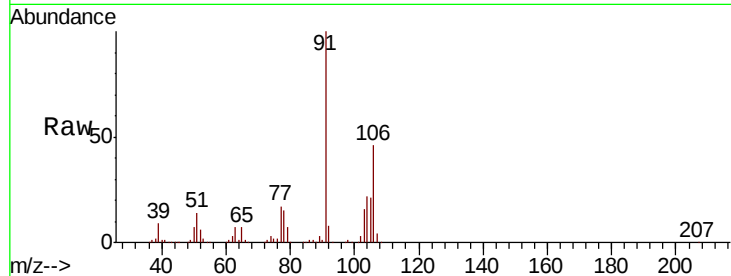
#69
o-Xylene
Concen: 20.059 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	216.2	106.6	373361	319.8	

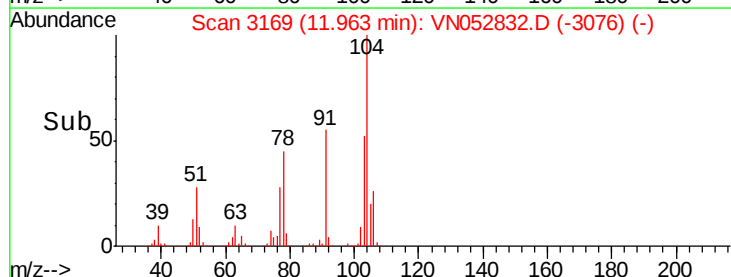
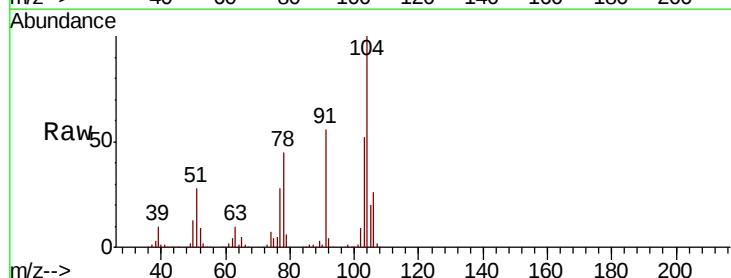
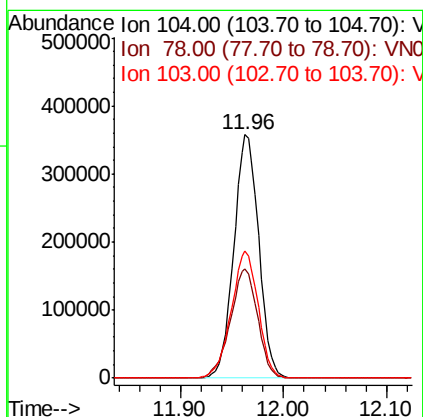
Manual Integrations
APPROVED

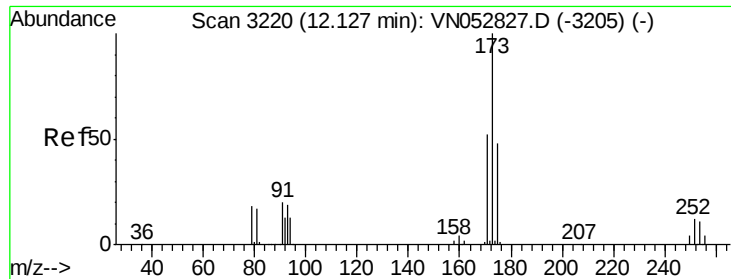
MMDadoda
12/13/2018 1:36:32 PM



#70
Styrene
Concen: 20.164 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	48.9	38.9	603337	58.3	
103	56.2	44.3		66.5	





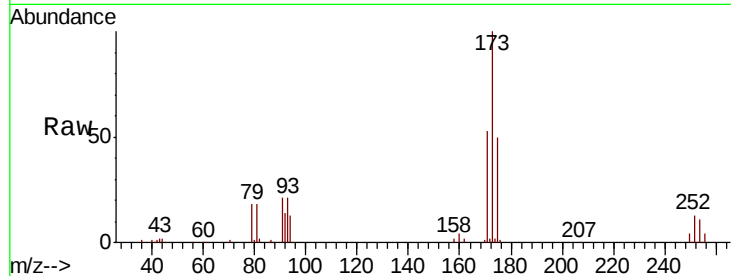
#71
Bromoform
Concen: 19.519 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.3	72.9
254	0.1	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
12/13/2018 1:36:32 PM

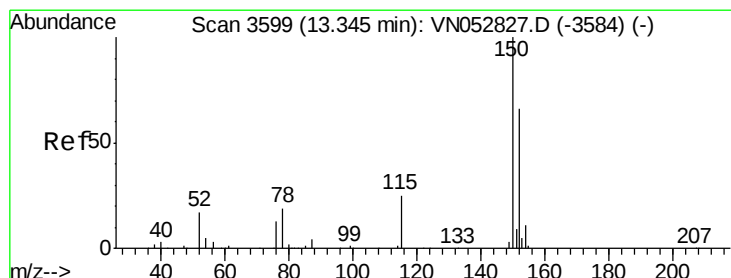
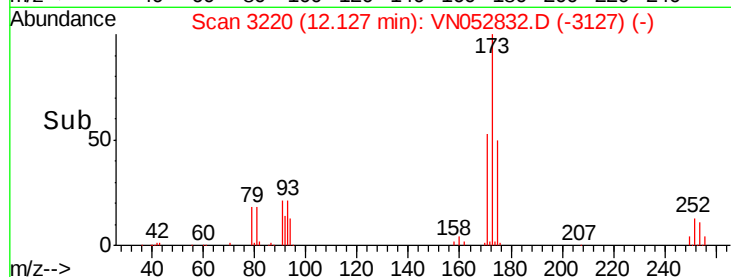
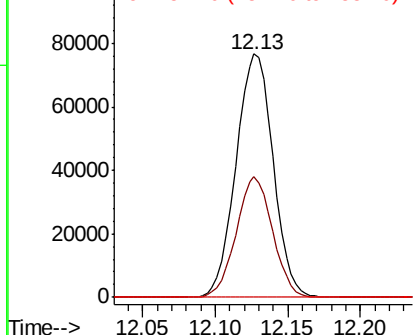


Abundance

Ion 172.70 (172.40 to 173.40): V

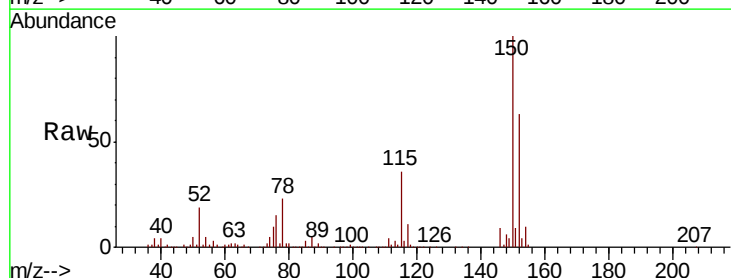
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	28.3	85.0
150	163.4	0.0	347.8

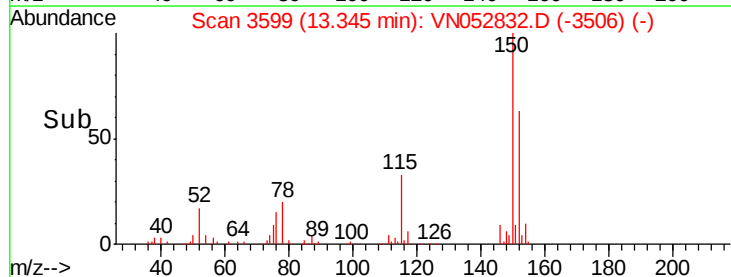
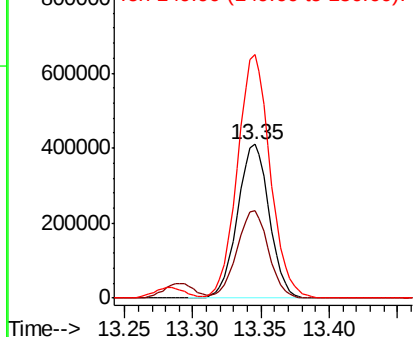


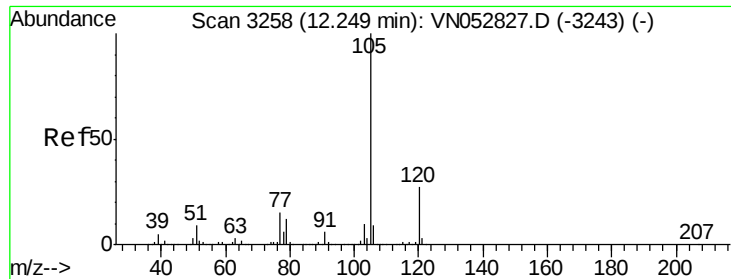
Abundance

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





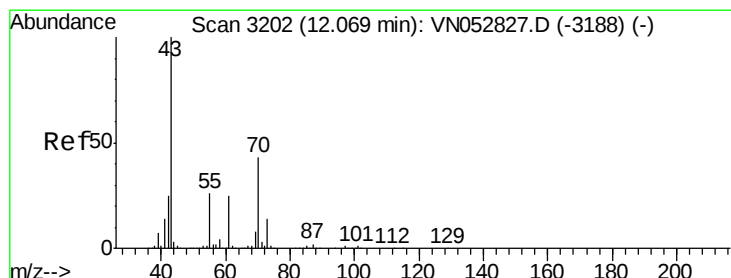
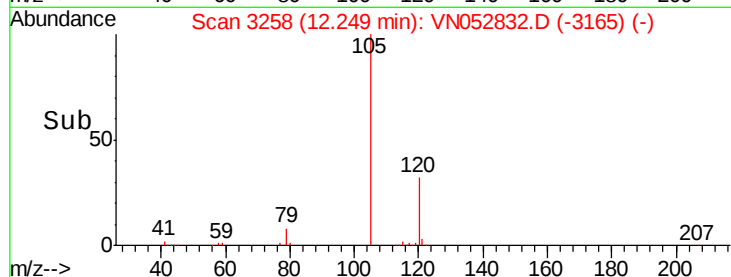
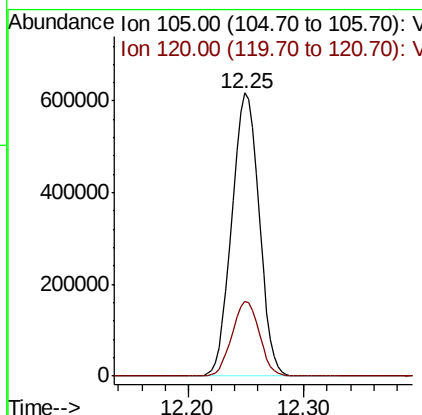
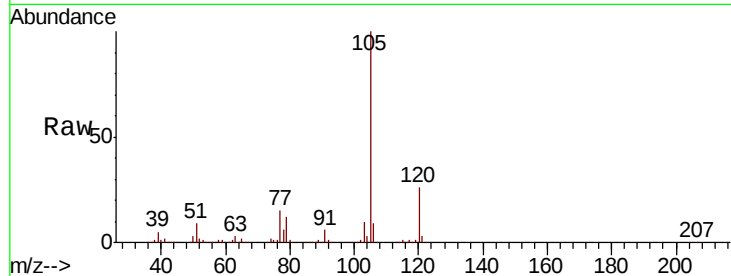
#73
Isopropylbenzene
Concen: 20.271 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS02

Tot Ion: 105 Resp: 1002424
Ion Ratio Lower Upper
105 100
120 26.3 13.3 39.9

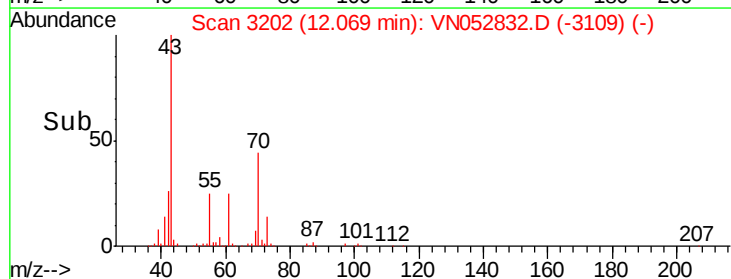
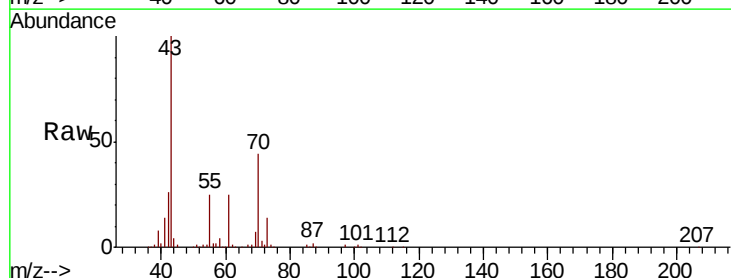
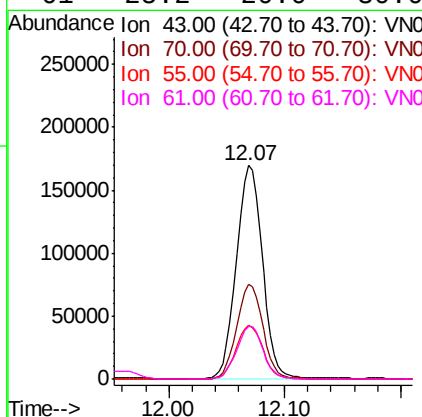
Manual Integrations
APPROVED

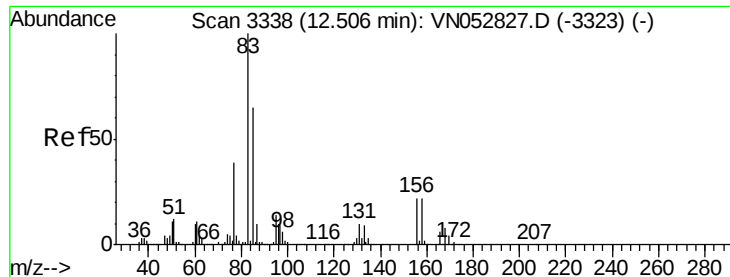
MMDadoda
12/13/2018 1:36:32 PM



#74
N-ethyl acetate
Concen: 19.482 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Tgt Ion: 43 Resp: 264497
Ion Ratio Lower Upper
43 100
70 44.3 34.2 51.4
55 25.8 20.3 30.5
61 25.2 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.651 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

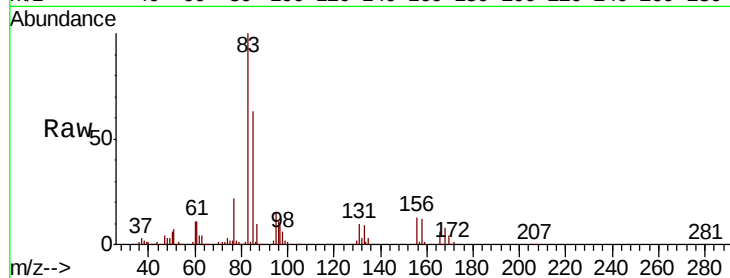
ClientSampleId :

VN1212WBS02

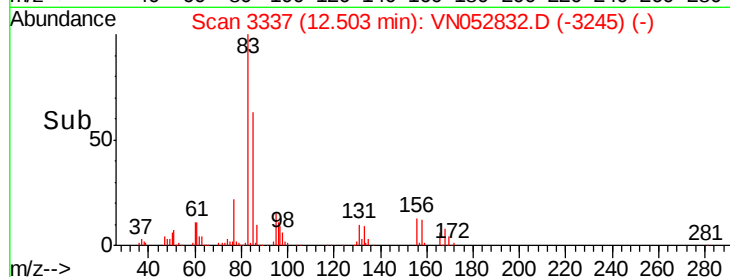
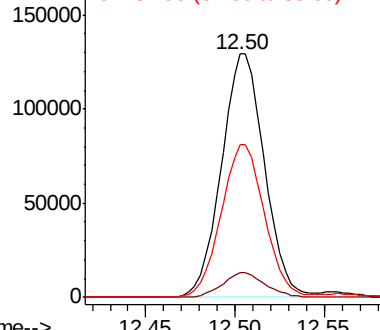
Tot Ion:	83	Resp:	217783
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.2	15.6
85	63.1	32.4	97.0

Manual Integrations
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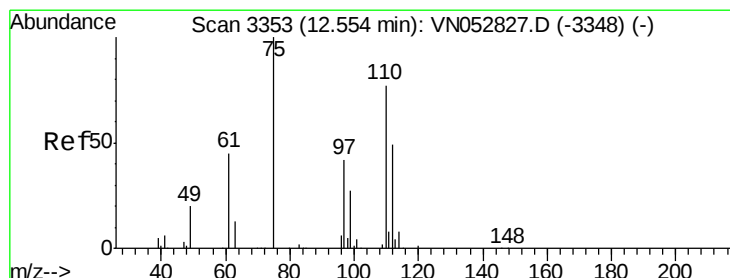
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VN052827.D (-3323) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 19.169 ug/l m

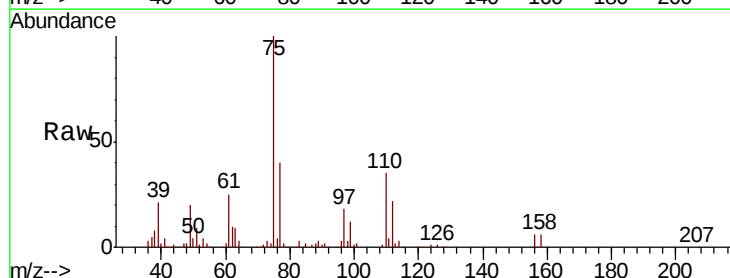
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

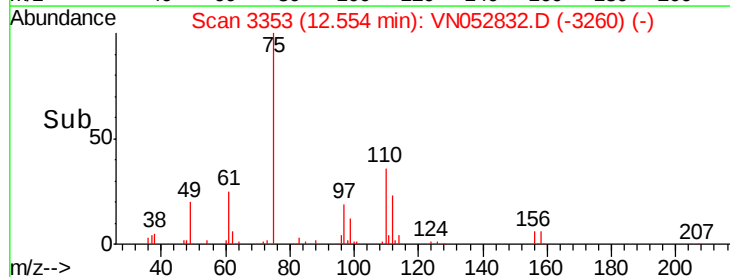
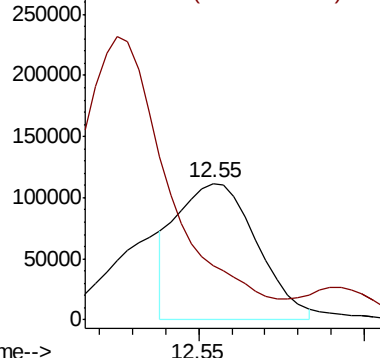
Lab File: VN052832.D

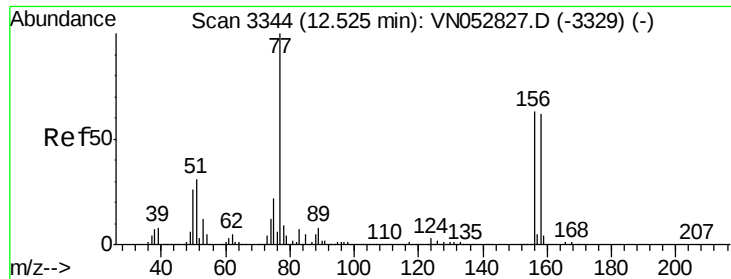
Acq: 12 Dec 2018 17:33

Tgt Ion:	75	Resp:	187315
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) (-)





#77

Bromobenzene

Concen: 19.767 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

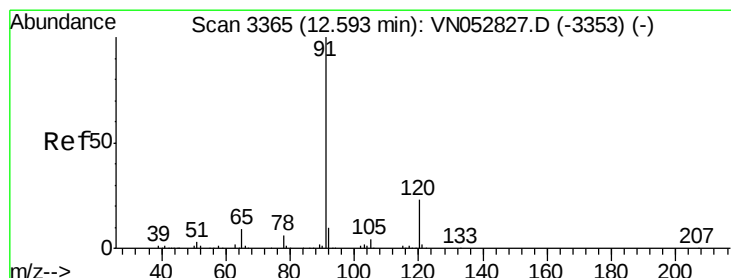
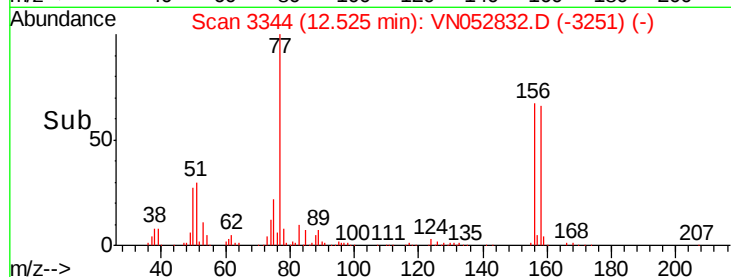
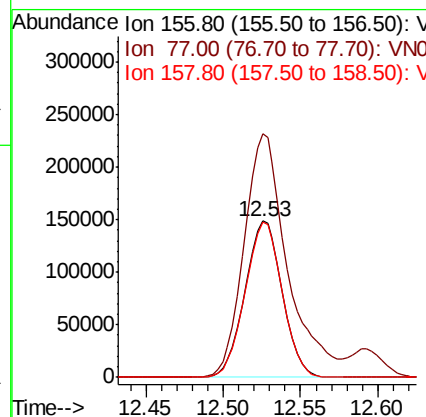
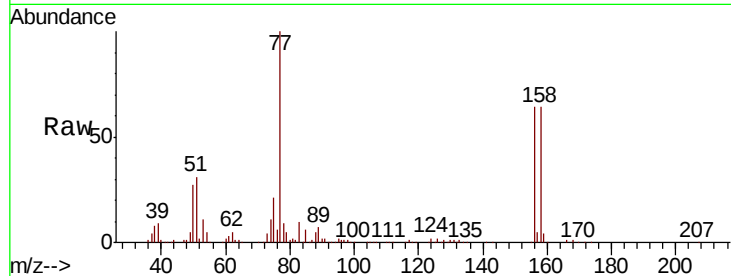
ClientSampleId :

VN1212WBS02

Tot Ion:	156	Resp:	248621
Ion Ratio	Lower	Upper	
156	100		
77	182.4	91.3	273.8
158	98.9	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 20.200 ug/l

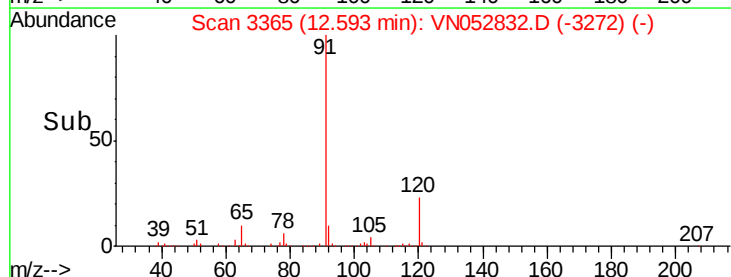
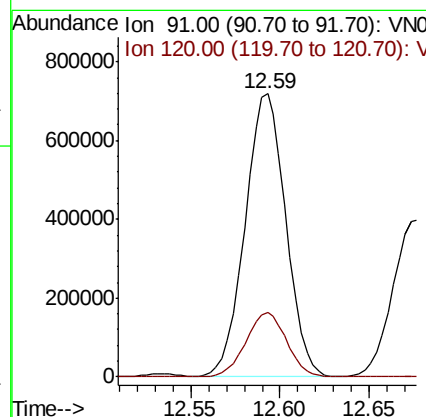
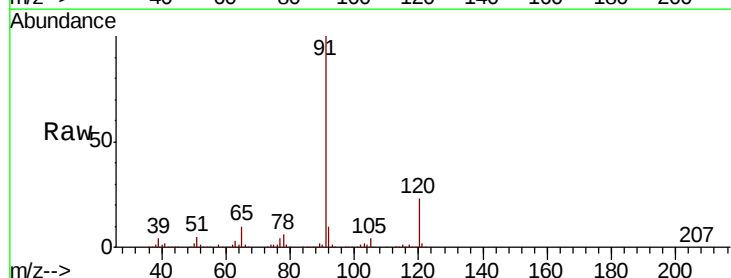
RT: 12.59 min Scan# 3365

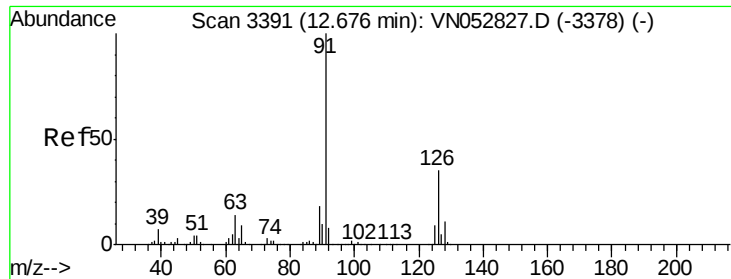
Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Tgt Ion:	91	Resp:	1139219
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.5	34.5





#79

2-Chlorotoluene

Concen: 19.988 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS02

Tot Ion: 91 Resp: 666423

Ion Ratio Lower Upper

91 100

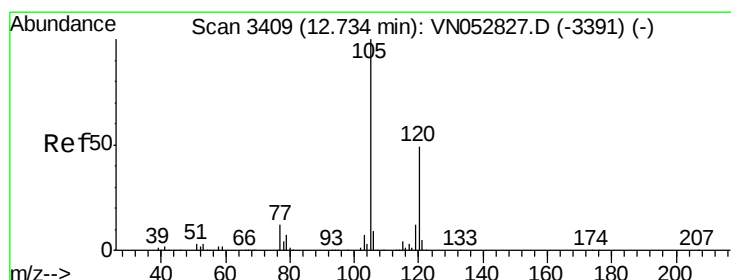
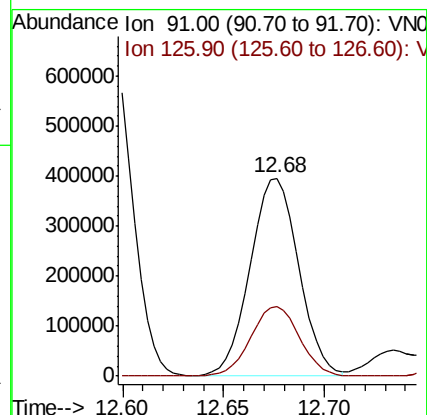
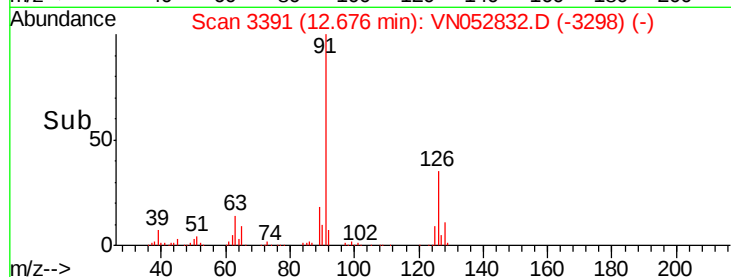
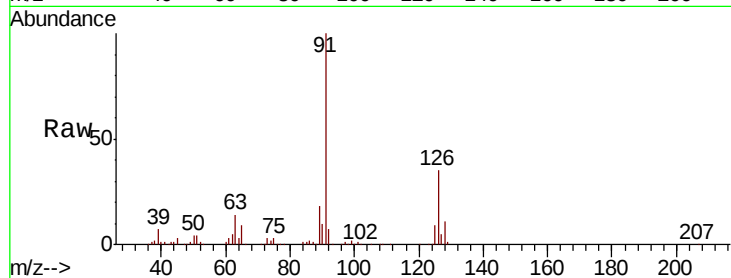
126 35.4 17.4 52.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.429 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052832.D

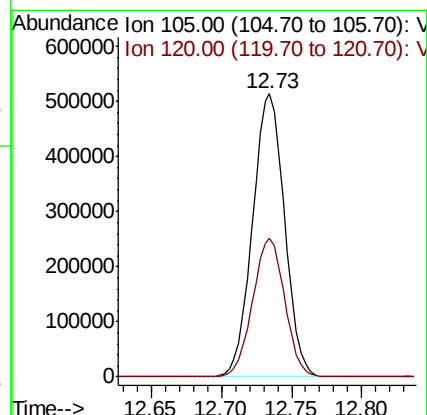
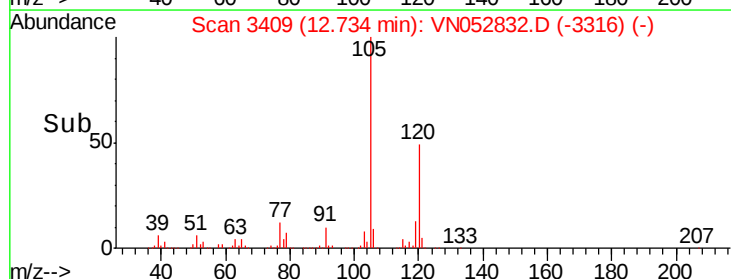
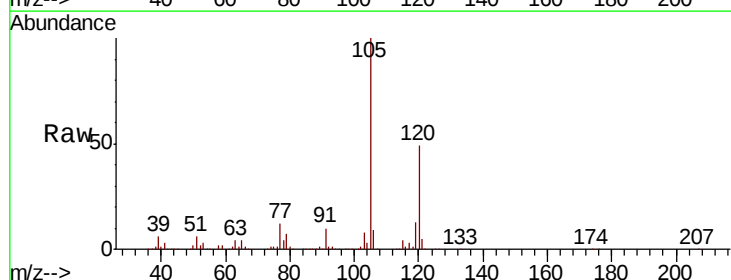
Acq: 12 Dec 2018 17:33

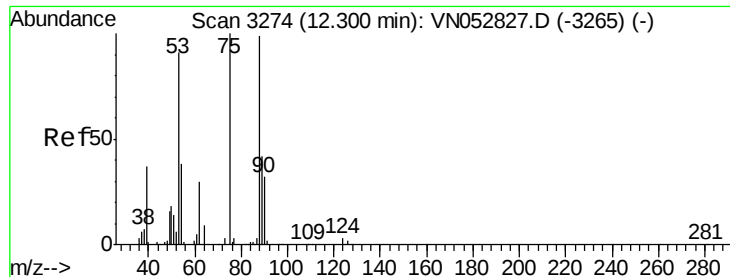
Tgt Ion: 105 Resp: 815496

Ion Ratio Lower Upper

105 100

120 49.2 24.4 73.2





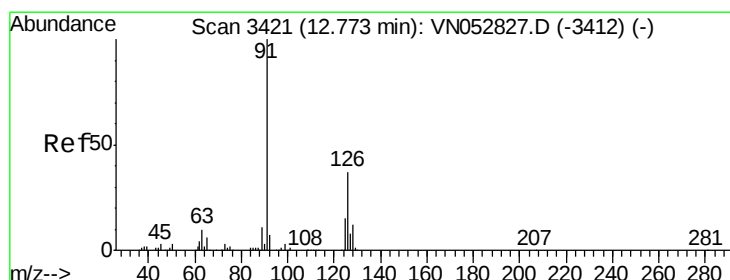
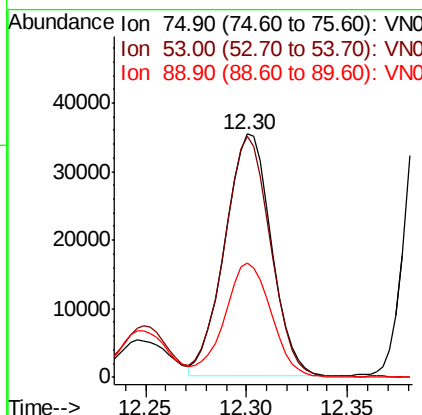
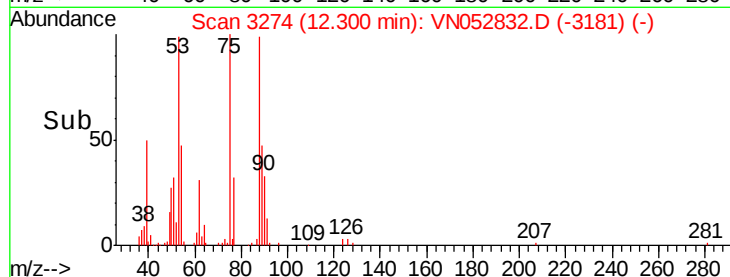
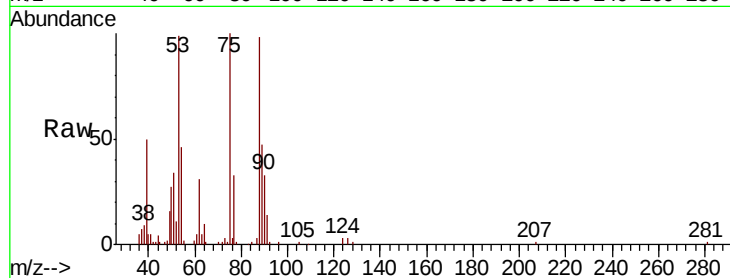
#81
trans-1,4-Dichloro-2-butene
Concen: 18.745 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.5	74.7	112.1
89	47.5	36.1	54.1

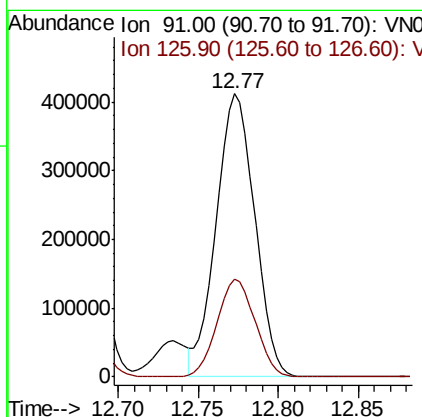
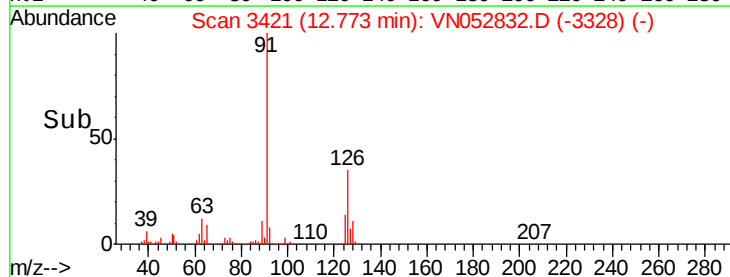
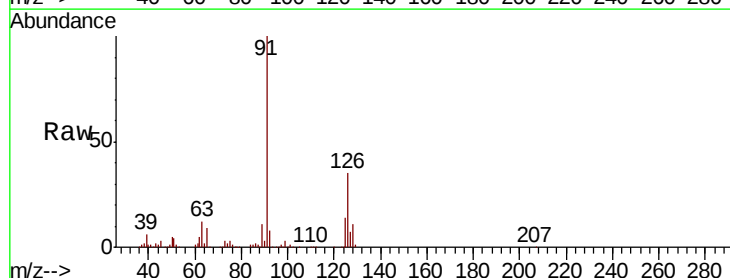
Manual Integrations
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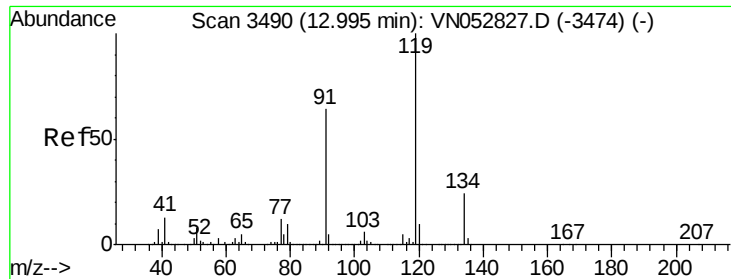
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.011 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.3	51.7





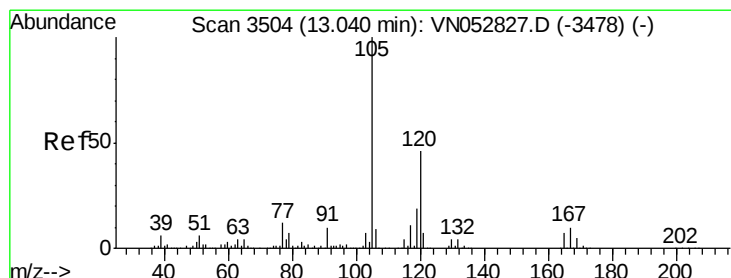
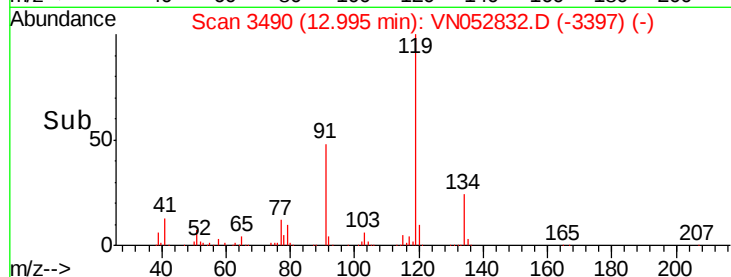
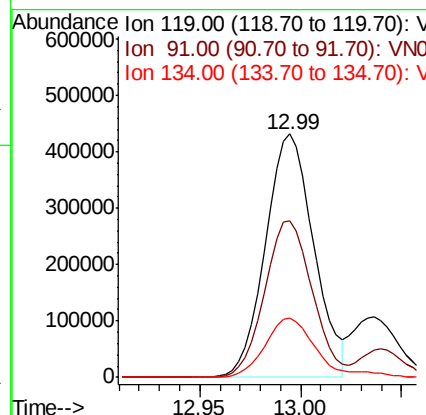
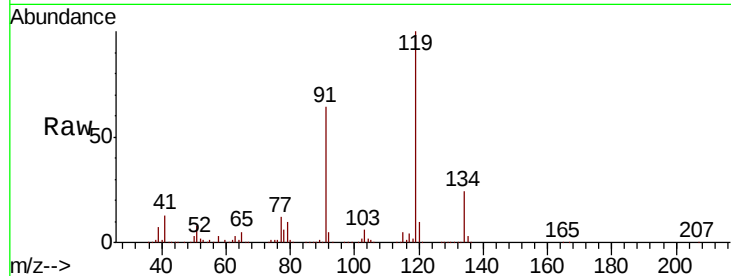
#83
tert-Butylbenzene
Concen: 20.434 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	719578		
91	63.7		31.9	95.5
134	25.9		12.8	38.4

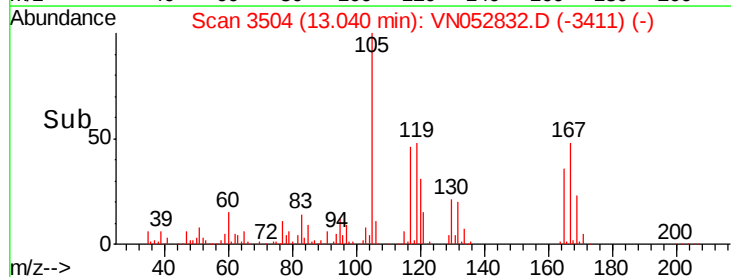
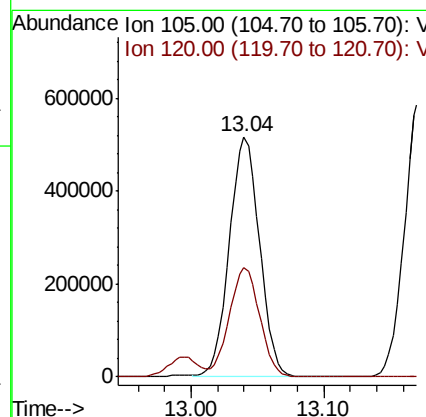
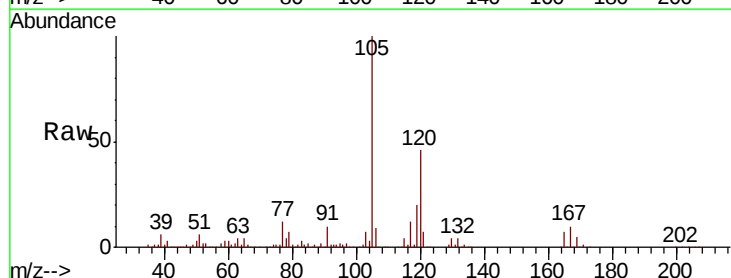
Manual Integrations
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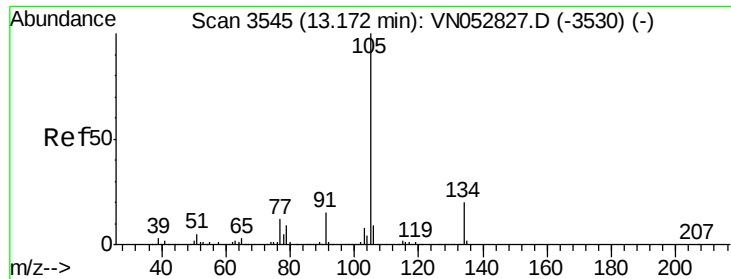
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.228 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	817491		
120	46.2		22.9	68.8





#85

sec-Butylbenzene

Concen: 20.432 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS02

Tot Ion:105 Resp: 974389

Ion Ratio Lower Upper

105 100

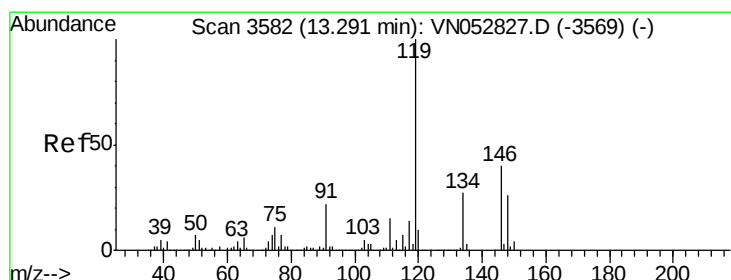
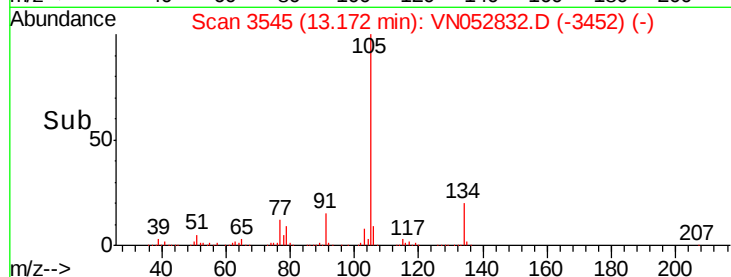
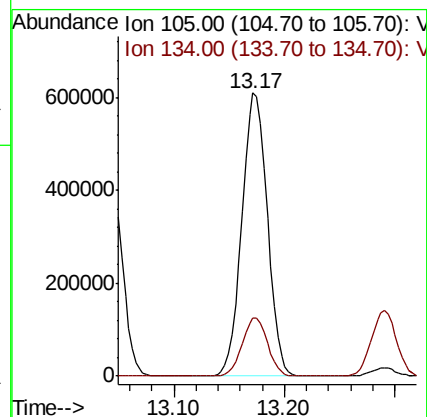
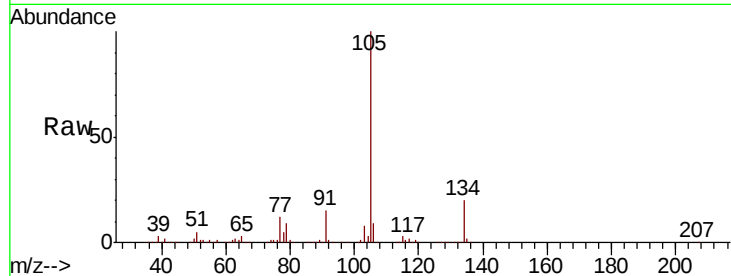
134 20.4 10.1 30.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.491 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

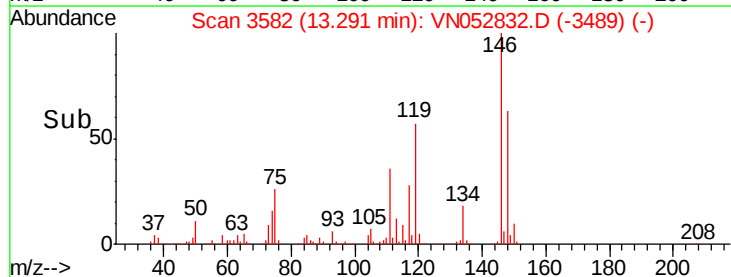
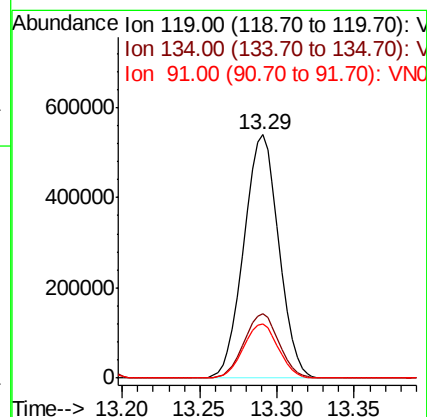
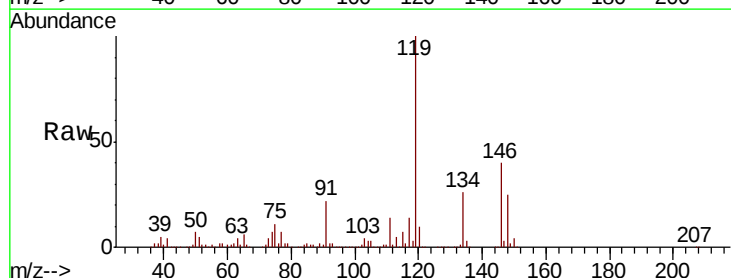
Tgt Ion:119 Resp: 846646

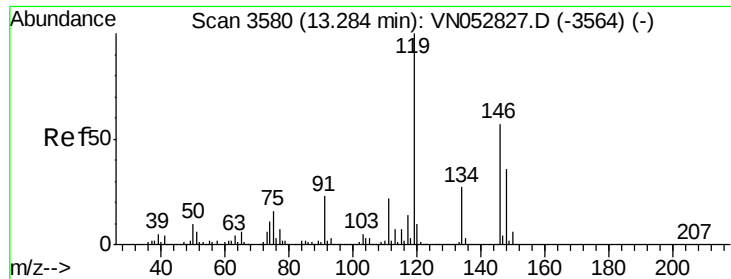
Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.2

91 22.3 11.1 33.3





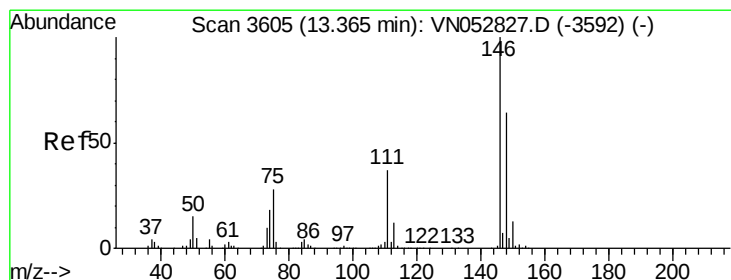
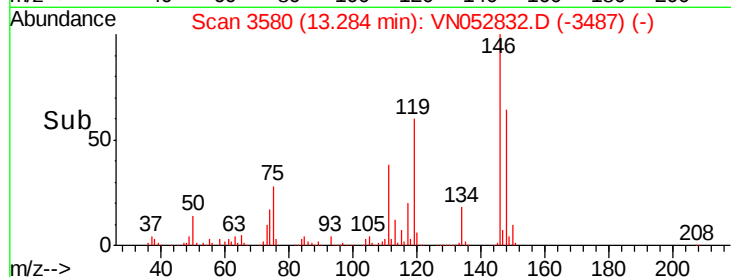
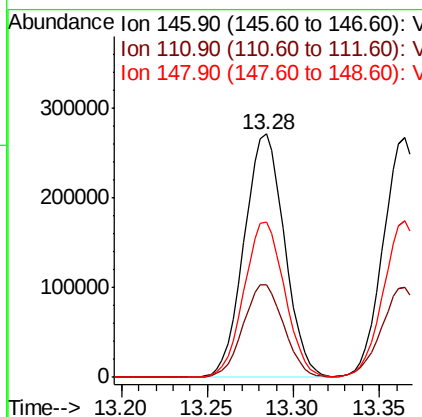
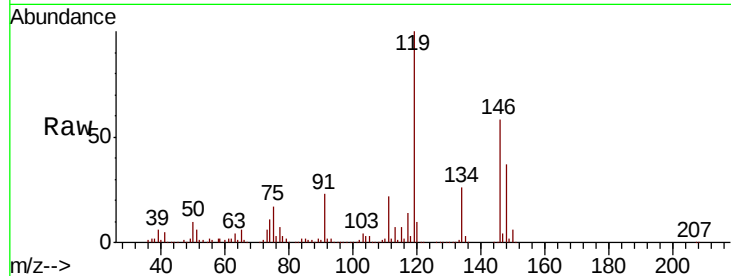
#87
 1,3-Dichlorobenzene
 Concen: 19.818 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN052832.D
 Acq: 12 Dec 2018 17:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.1
148	64.0	32.0	96.0

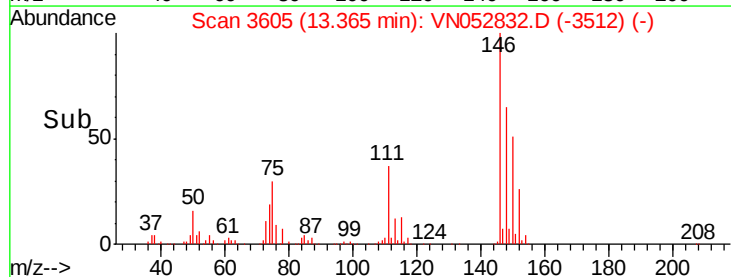
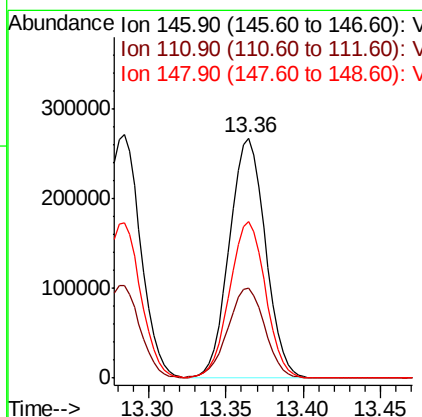
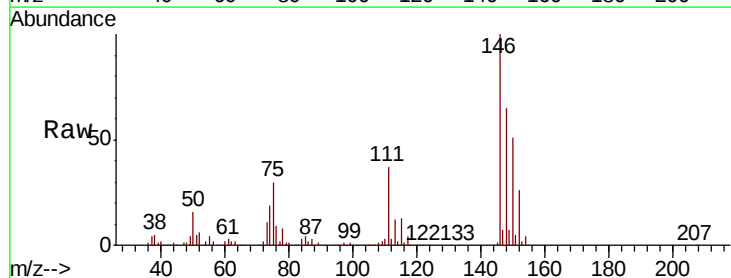
Manual Integrations
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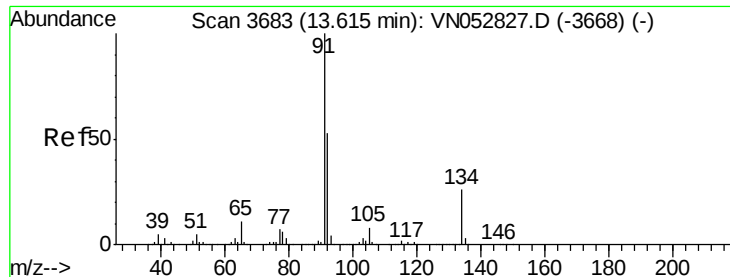
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#88
 1,4-Dichlorobenzene
 Concen: 19.539 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN052832.D
 Acq: 12 Dec 2018 17:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.6	55.8
148	65.0	32.1	96.5





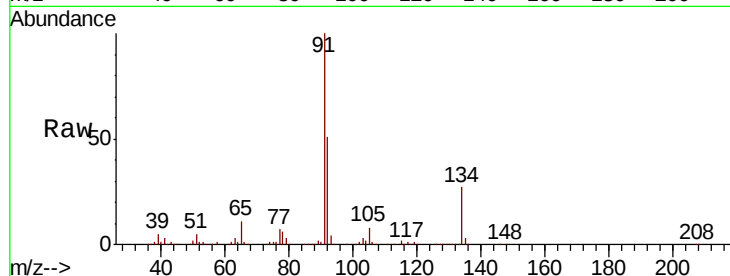
#89
n-Butylbenzene
Concen: 19.941 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.3	78.9
134	26.4	13.3	39.8

Manual Integrations
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12/13/2018 1:36:32 PM

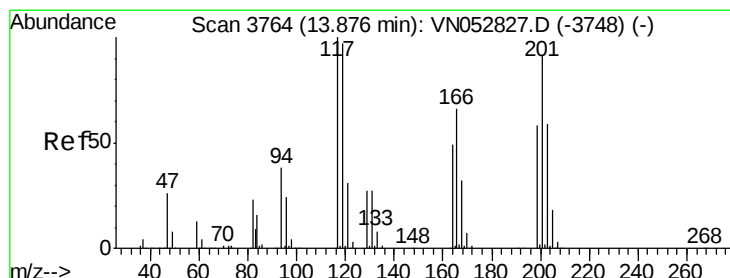
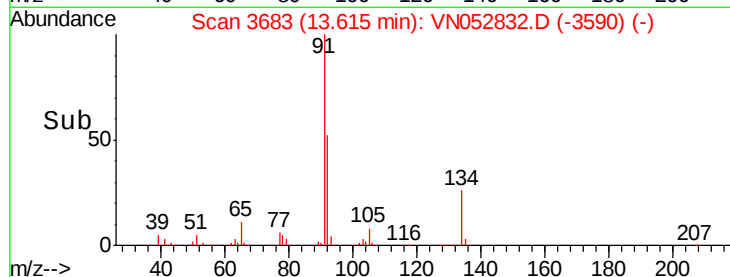
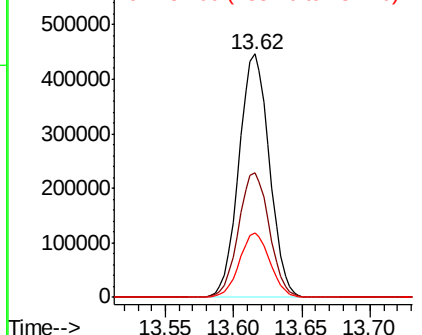


Abundance

Ion 91.00 (90.70 to 91.70): VN052832.D (-3590) (-)

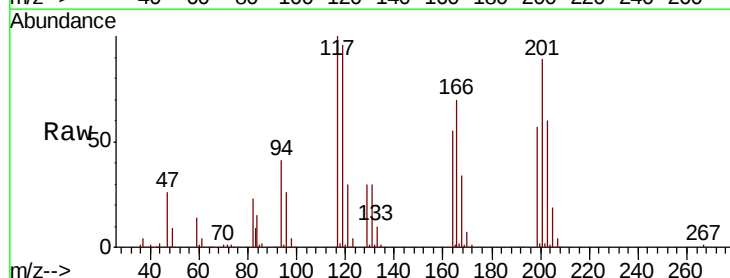
Ion 92.00 (91.70 to 92.70): VN052832.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN052832.D (-3590) (-)



#90
Hexachloroethane
Concen: 19.633 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

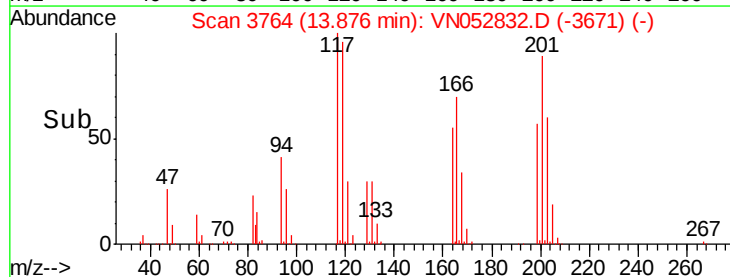
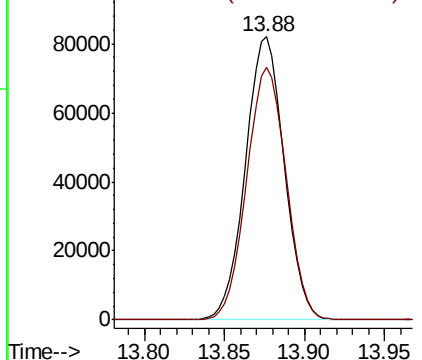
Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.0	45.7	137.1

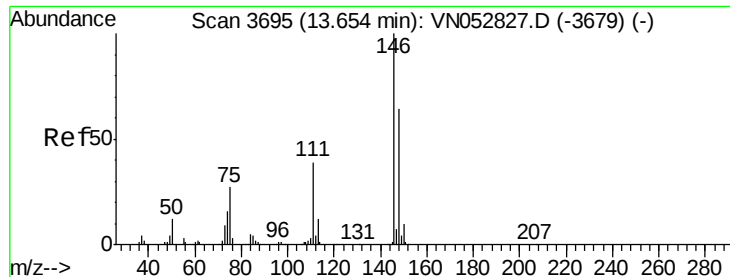


Abundance

Ion 116.80 (116.50 to 117.50): VN052832.D (-3671) (-)

Ion 200.70 (200.40 to 201.40): VN052832.D (-3671) (-)





#91

1,2-Dichlorobenzene

Concen: 19.645 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

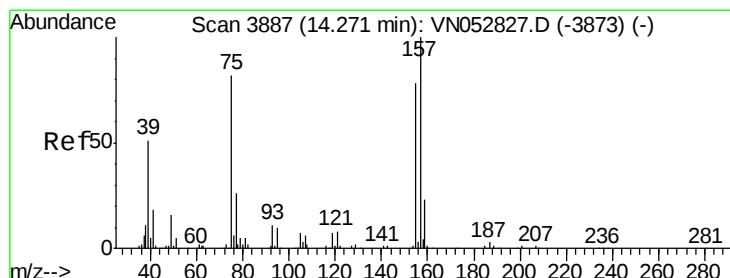
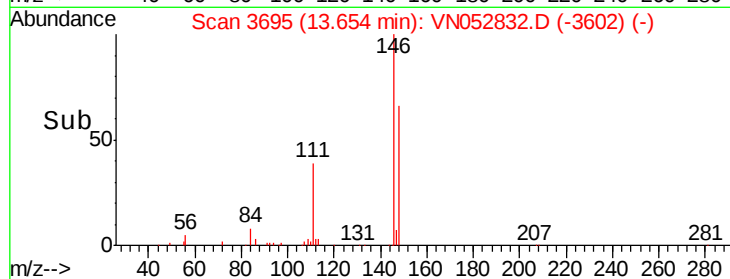
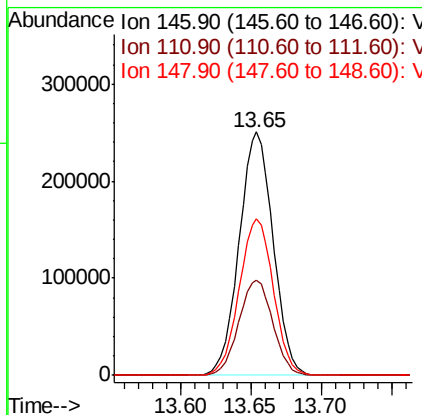
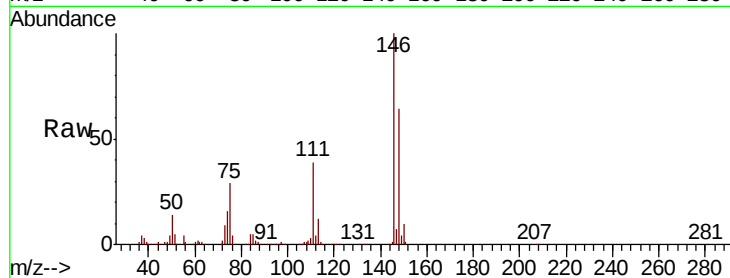
ClientSampleId :

VN1212WBS02

Tot Ion:	146	Resp:	422382
Ion Ratio	Lower	Upper	
146	100		
111	39.2	19.7	59.0
148	64.5	32.0	96.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.698 ug/l

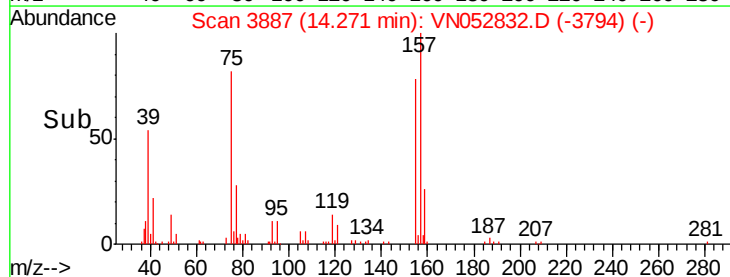
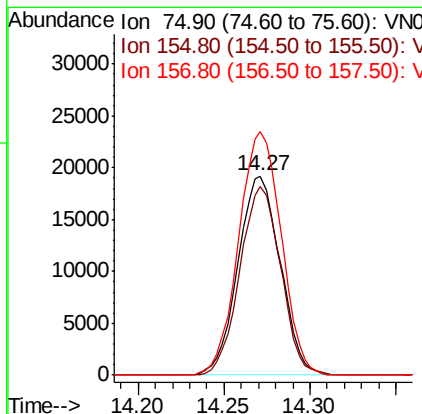
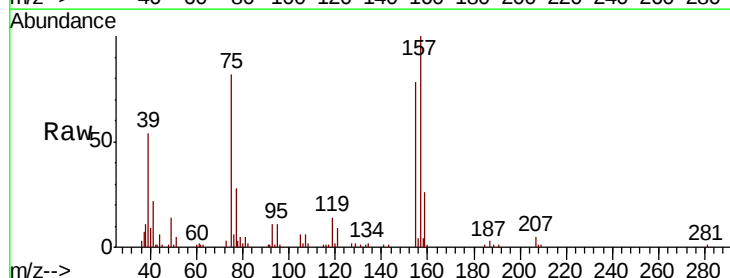
RT: 14.27 min Scan# 3887

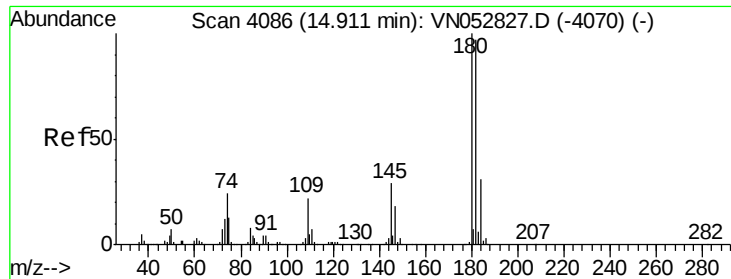
Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Tgt Ion:	75	Resp:	32908
Ion Ratio	Lower	Upper	
75	100		
155	90.9	48.2	144.6
157	122.9	61.2	183.5





#93

1,2,4-Trichlorobenzene

Concen: 19.804 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. -0.00 min

Lab File: VN052832.D

Acq: 12 Dec 2018 17:33

Instrument :

MSVOA_N

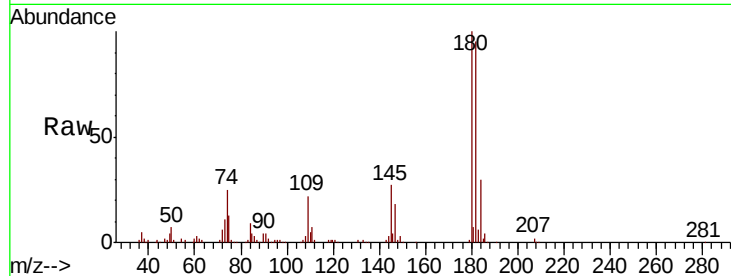
ClientSampleId :

VN1212WBS02

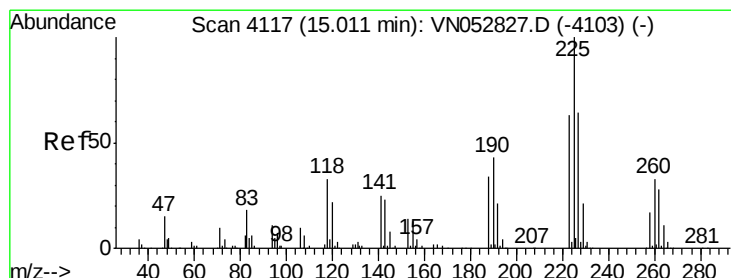
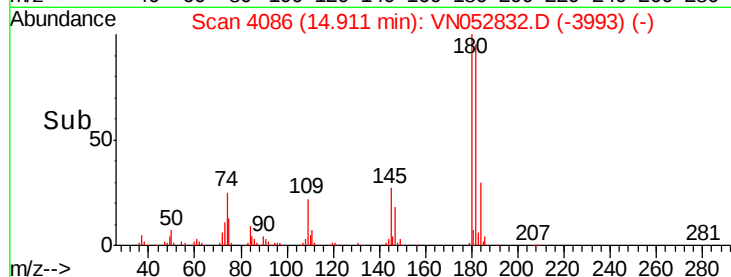
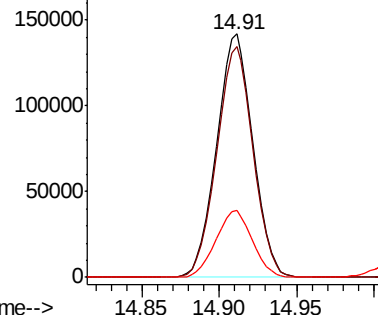
Tot Ion:	180	Resp:	231454
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.8	143.3
145	27.6	14.2	42.6

Manual Integrations
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Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 20.637 ug/l

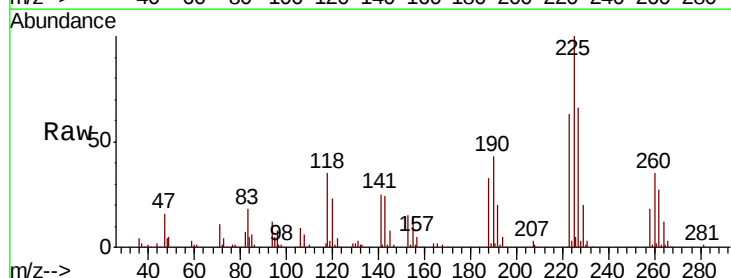
RT: 15.01 min Scan# 4117

Delta R.T. -0.00 min

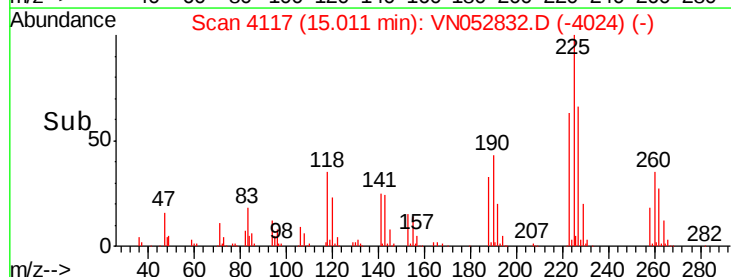
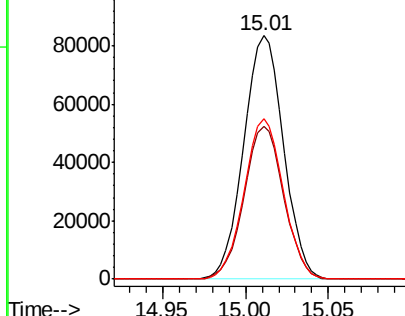
Lab File: VN052832.D

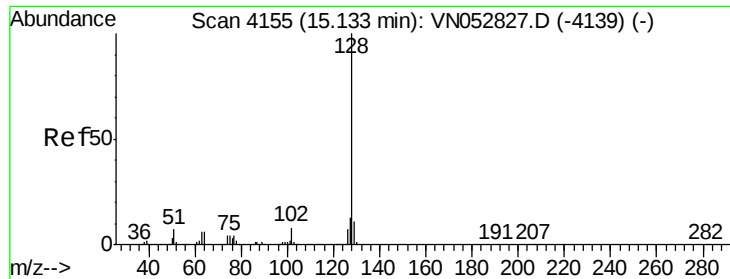
Acq: 12 Dec 2018 17:33

Tgt Ion:	225	Resp:	139603
Ion Ratio	Lower	Upper	
225	100		
223	62.2	31.5	94.5
227	64.7	31.9	95.7



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





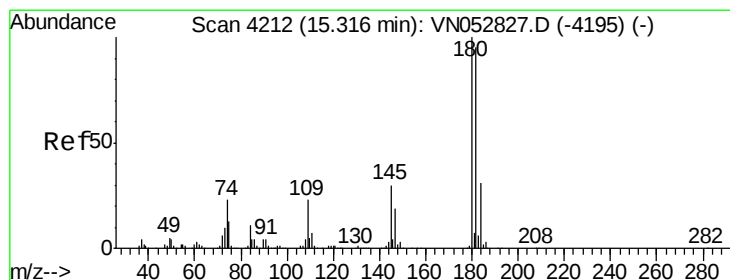
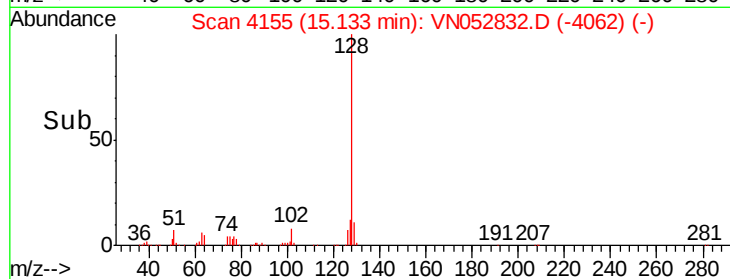
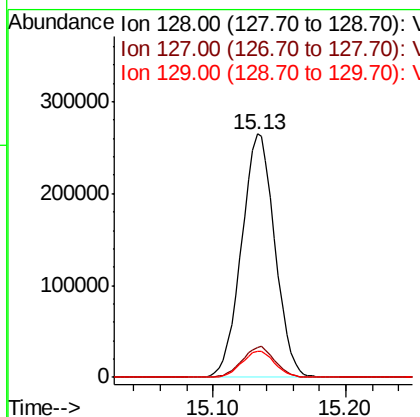
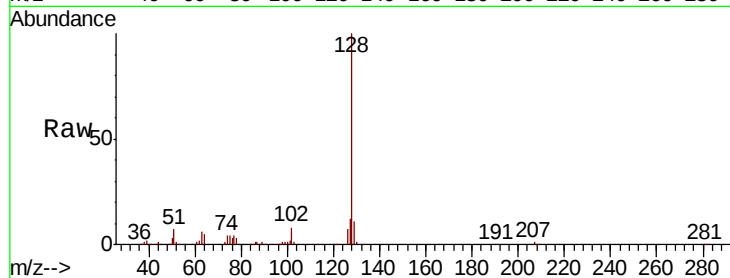
#95
Naphthalene
Concen: 19.029 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.4
129	10.8	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.264 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN052832.D
Acq: 12 Dec 2018 17:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.5	47.9	143.7
145	29.6	15.0	45.0

