

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112918\
 Data File : VN052577.D
 Acq On : 29 Nov 2018 20:38
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/30/2018 11:11:27 AM

Quant Time: Nov 30 03:52:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 01:11:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1076679	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1692383	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1498398	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	687493	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	570825	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
35) Dibromofluoromethane	7.59	113	526061	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
50) Toluene-d8	10.09	98	2009258	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
62) 4-Bromofluorobenzene	12.40	95	679940	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	452323	44.868	ug/l	98
3) Chloromethane	2.06	50	586248	44.054	ug/l	100
4) Vinyl Chloride	2.19	62	616182	45.076	ug/l	99
5) Bromomethane	2.57	94	360639	42.282	ug/l	99
6) Chloroethane	2.71	64	380008	45.893	ug/l	100
7) Trichlorofluoromethane	3.02	101	805532	47.972	ug/l	99
8) Diethyl Ether	3.41	74	296751	47.856	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	499757	47.697	ug/l	98
10) Methyl Iodide	3.96	142	731532	52.420	ug/l	99
11) Tert butyl alcohol	4.78	59	128376	218.740	ug/l	98
12) 1,1-Dichloroethene	3.74	96	487216	48.308	ug/l	99
13) Acrolein	3.61	56	181977	186.576	ug/l	98
14) Allyl chloride	4.33	41	771164	44.364	ug/l	92
15) Acrylonitrile	4.99	53	831361	223.780	ug/l	100
16) Acetone	3.82	43	558061	180.481	ug/l	99
17) Carbon Disulfide	4.06	76	1382227	43.549	ug/l	99
18) Methyl Acetate	4.33	43	405709	45.742	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1296664	48.321	ug/l	100
20) Methylene Chloride	4.55	84	556362	45.980	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	525846	48.817	ug/l	95
22) Diisopropyl ether	5.95	45	1740683	47.673	ug/l	98
23) Vinyl Acetate	5.90	43	5371028	236.171	ug/l	99
24) 1,1-Dichloroethane	5.85	63	1008867	48.393	ug/l	100
25) 2-Butanone	6.83	43	901534	205.703	ug/l	96
26) 2,2-Dichloropropane	6.82	77	672076	46.575	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	610699	48.670	ug/l	98
28) Bromochloromethane	7.20	49	444392	46.670	ug/l	95
29) Tetrahydrofuran	7.21	42	598607	211.760	ug/l	98
30) Chloroform	7.37	83	984491	47.332	ug/l	98
31) Cyclohexane	7.65	56	923101	45.716	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	814049	49.397	ug/l	99
36) 1,1-Dichloropropene	7.80	75	759580	47.528	ug/l	99
37) Ethyl Acetate	6.93	43	413776	42.423	ug/l	98
38) Carbon Tetrachloride	7.78	117	704411	48.689	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	915983	47.155	ug/l	98
40) Benzene	8.04	78	2280781	47.887	ug/l	100
41) Methacrylonitrile	7.18	41	244109	45.779	ug/l	95
42) 1,2-Dichloroethane	8.12	62	688422	47.737	ug/l	100
43) Isopropyl Acetate	8.17	43	784846	47.550	ug/l	99
44) Trichloroethene	8.84	130	595655	48.824	ug/l	100
45) 1,2-Dichloropropane	9.12	63	611504	48.292	ug/l	99
46) Dibromomethane	9.21	93	334448	47.711	ug/l	98
47) Bromodichloromethane	9.40	83	737180	48.370	ug/l	100
48) Methyl methacrylate	9.20	41	391007	45.431	ug/l	99
49) 1,4-Dioxane	9.20	88	83808	938.269	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	2054743	221.872	ug/l	99
52) Toluene	10.16	92	1384380	48.921	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	720805	49.162	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	865820	49.278	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	476488	47.869	ug/l	99
56) Ethyl methacrylate	10.43	69	611348	44.540	ug/l	98
57) 1,3-Dichloropropane	10.71	76	832181	47.348	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1703371	235.831	ug/l	99
59) 2-Hexanone	10.75	43	1340634	215.692	ug/l	99
60) Dibromochloromethane	10.90	129	529445	48.973	ug/l	99
61) 1,2-Dibromoethane	11.01	107	473073	47.851	ug/l	99
64) Tetrachloroethene	10.63	164	570170	49.078	ug/l	99
65) Chlorobenzene	11.44	112	1514721	49.025	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	536887	49.976	ug/l	100
67) Ethyl Benzene	11.51	91	2669346	49.336	ug/l	100
68) m/p-Xylenes	11.62	106	1994088	99.000	ug/l	100
69) o-Xylene	11.95	106	978190	50.010	ug/l	99
70) Styrene	11.96	104	1595601	51.216	ug/l	99
71) Bromoform	12.13	173	344285	48.401	ug/l #	100
73) Isopropylbenzene	12.25	105	2612578	48.437	ug/l	99
74) N-amyl acetate	12.07	43	651049	47.777	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	544299	44.361	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	456679m	43.077	ug/l	
77) Bromobenzene	12.53	156	641221	48.096	ug/l	97
78) n-propylbenzene	12.59	91	2989290	48.784	ug/l	99
79) 2-Chlorotoluene	12.67	91	1739220	47.663	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2110961	49.072	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	144843	45.626	ug/l	100
82) 4-Chlorotoluene	12.77	91	1766280	48.028	ug/l	99
83) tert-Butylbenzene	12.99	119	1850193	48.244	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2144508	49.744	ug/l	100
85) sec-Butylbenzene	13.17	105	2514267	48.134	ug/l	100
86) p-Isopropyltoluene	13.29	119	2160865	48.570	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1131737	48.529	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1108020	48.236	ug/l	99
89) n-Butylbenzene	13.62	91	1827524	49.393	ug/l	100
90) Hexachloroethane	13.88	117	357451	47.451	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	1081659	48.547	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	77675	44.263	ug/l	95

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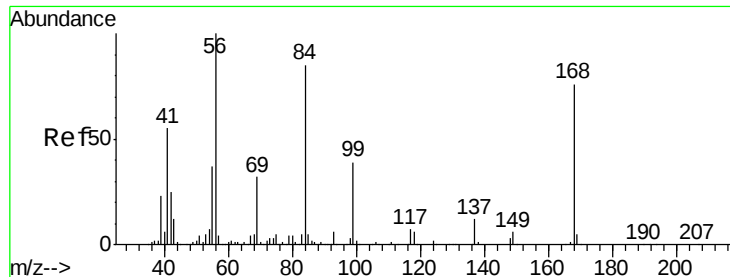
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	551745	45.477	ug/l	99
94) Hexachlorobutadiene	15.01	225	324447	45.265	ug/l	100
95) Naphthalene	15.13	128	1115227	43.560	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	503980	45.187	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052577.D

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Instrument :

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ClientSampleId :

VSTDCCC050EC

Tgt Ion: 168 Resp: 1076679

Ion Ratio Lower Upper

168 100

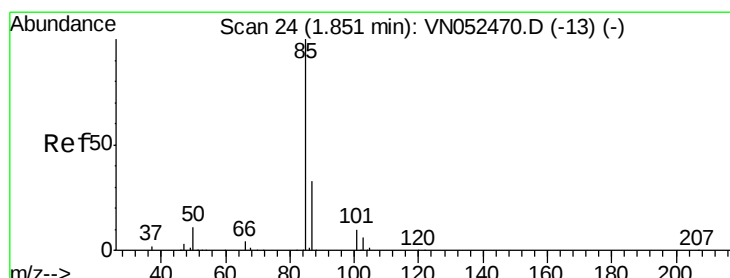
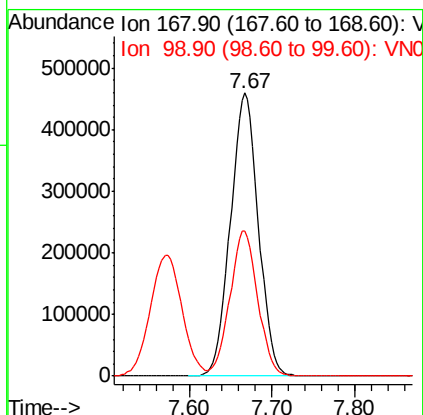
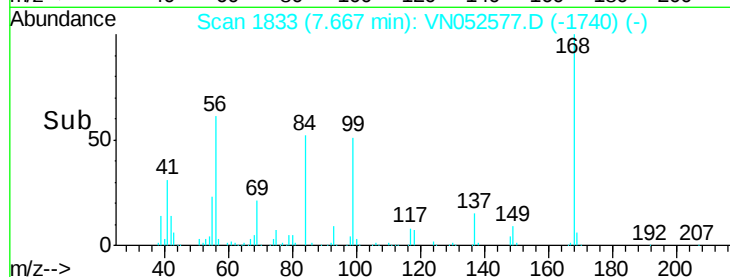
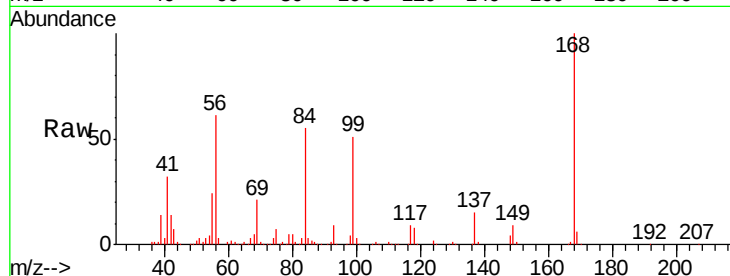
99 51.2 41.7 62.5

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 44.868 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052577.D

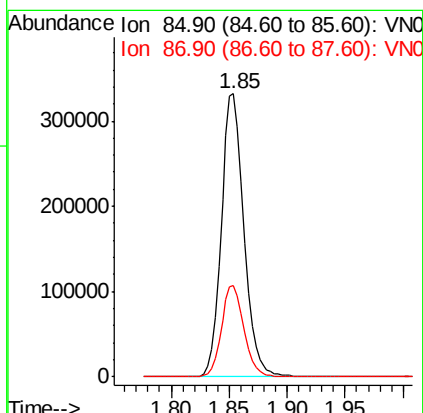
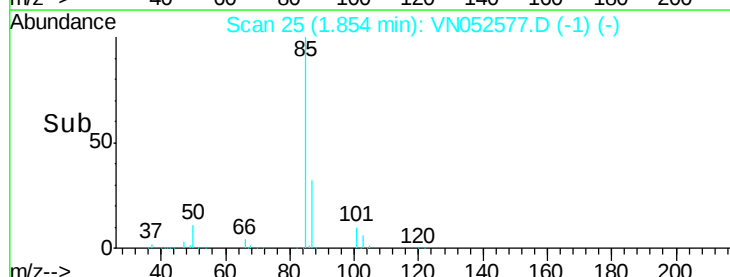
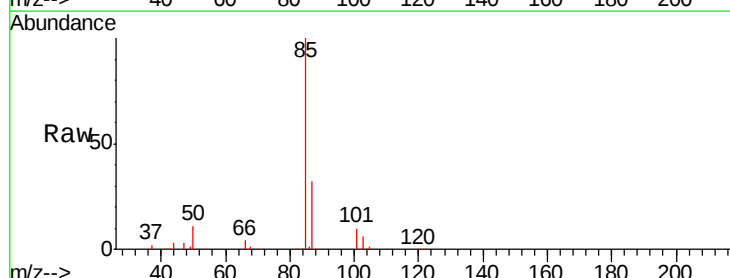
Acq: 29 Nov 2018 20:38

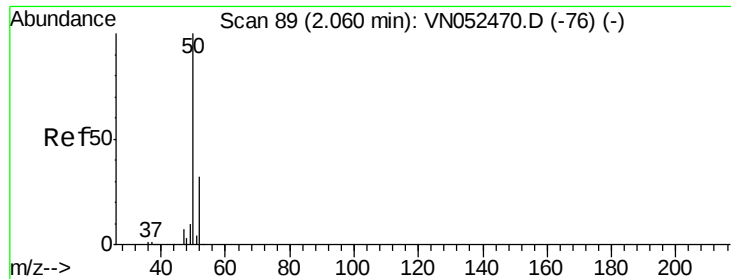
Tgt Ion: 85 Resp: 452323

Ion Ratio Lower Upper

85 100

87 32.5 16.7 50.1





#3

Chloromethane

Concen: 44.054 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052577.D

Acq: 29 Nov 2018 20:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 586248

Ion Ratio Lower Upper

50 100

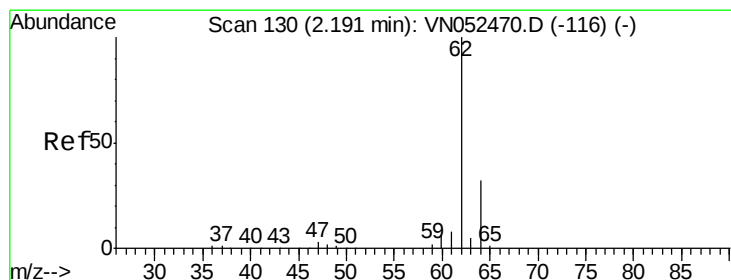
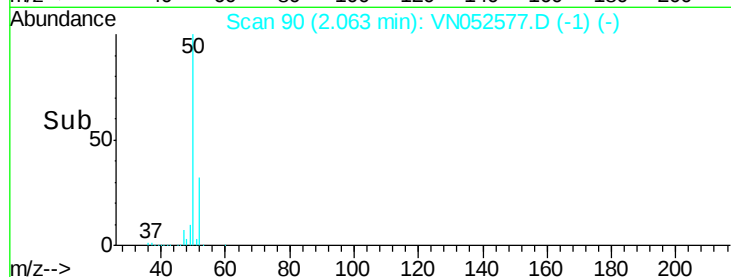
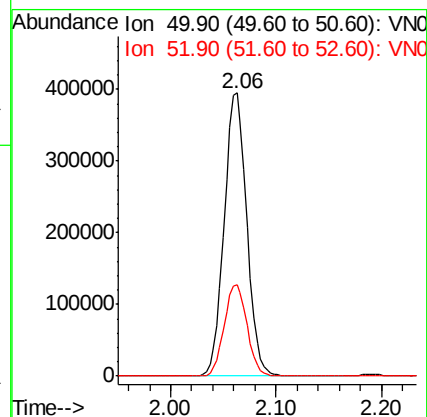
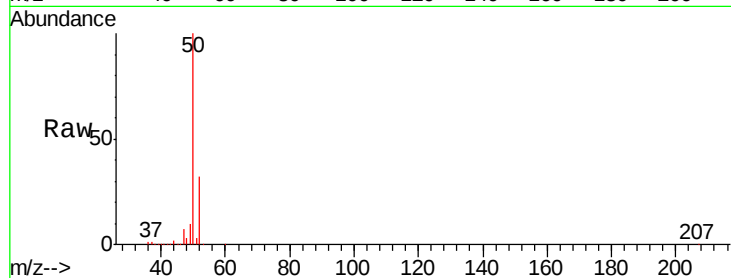
52 32.2 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.076 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052577.D

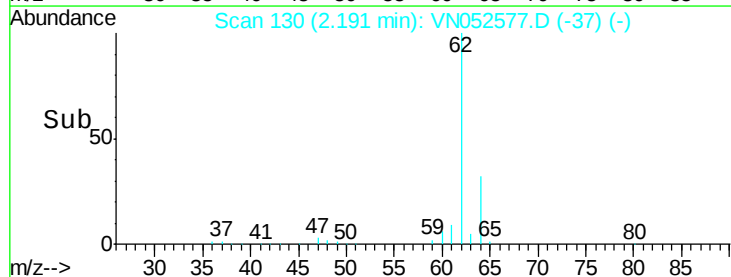
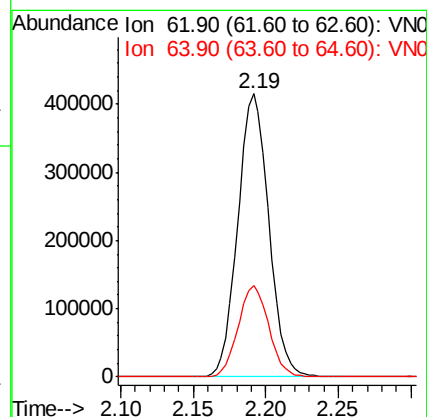
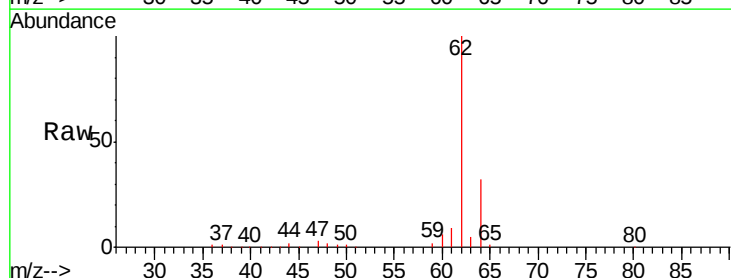
Acq: 29 Nov 2018 20:38

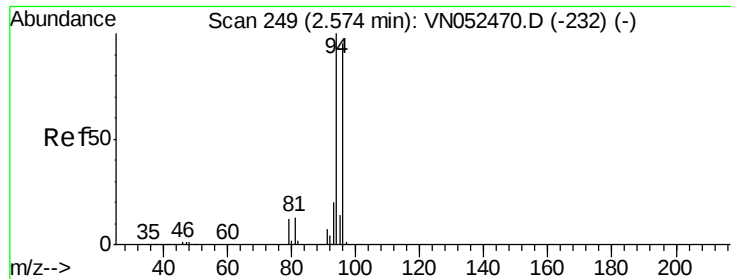
Tgt Ion: 62 Resp: 616182

Ion Ratio Lower Upper

62 100

64 32.1 25.4 38.2





#5

Bromomethane

Concen: 42.282 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN052577.D

Acq: 29 Nov 2018 20:38

Instrument :

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VSTDCCC050EC

Tgt Ion: 94 Resp: 360639

Ion Ratio Lower Upper

94 100

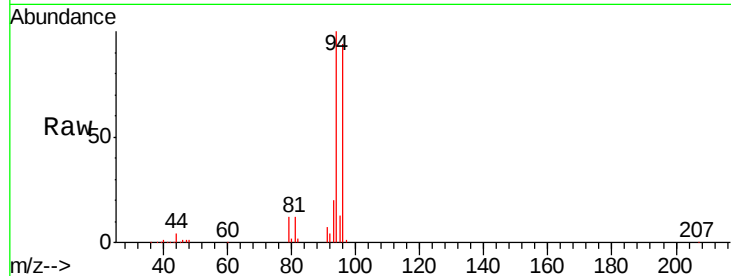
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Manual Integrations

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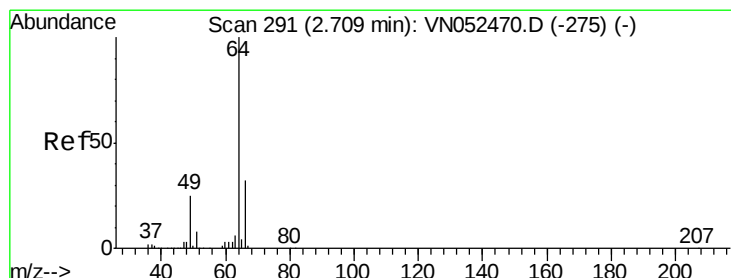
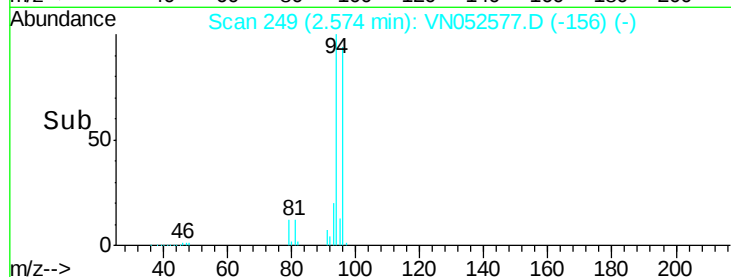
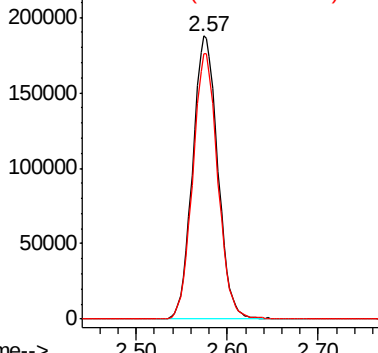
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 45.893 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052577.D

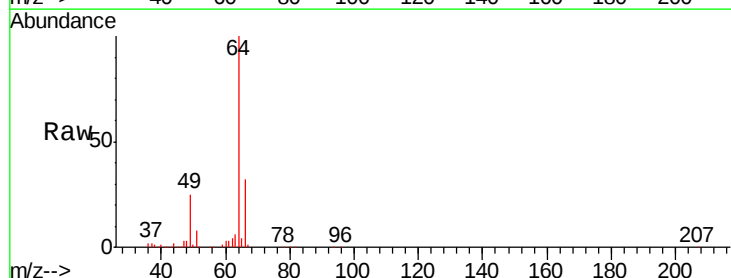
Acq: 29 Nov 2018 20:38

Tgt Ion: 64 Resp: 380008

Ion Ratio Lower Upper

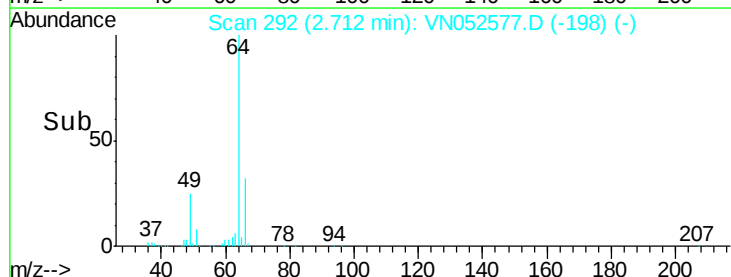
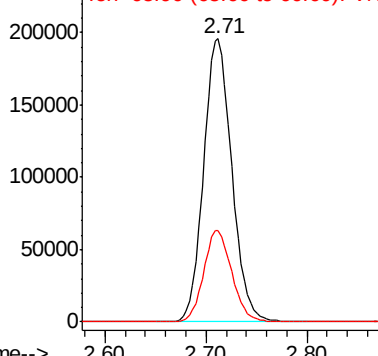
64 100

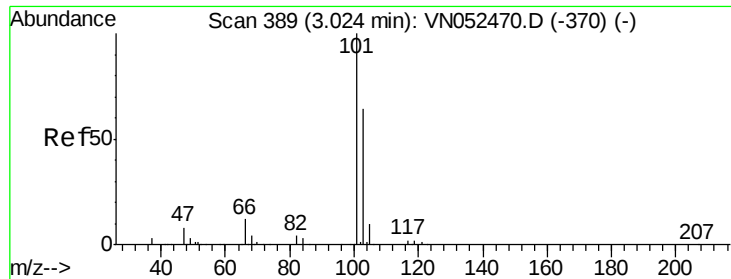
66 32.3 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

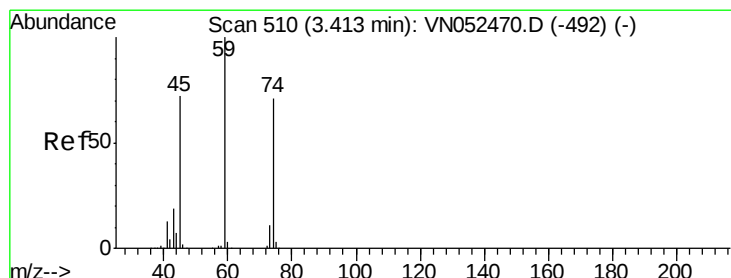
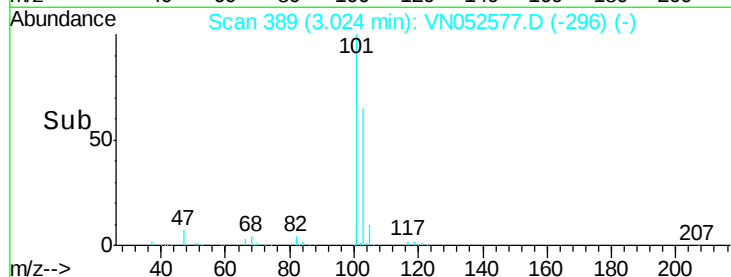
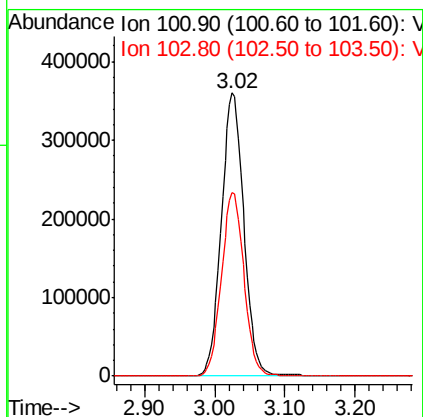
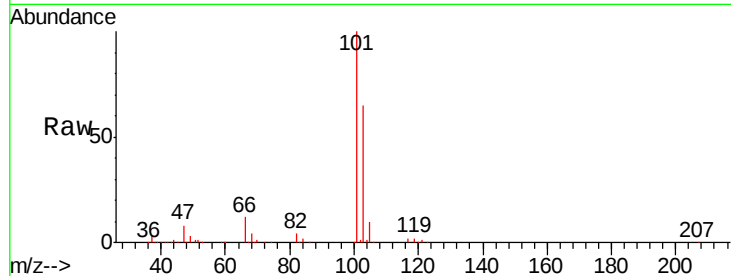
Trichlorofluoromethane
Concen: 47.972 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN052577.D
Acq: 29 Nov 2018 20:38

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Tgt Ion	Ratio	Resp	Lower	Upper
101	100	805532		
103	65.0	51.4	77.2	

Manual Integrations
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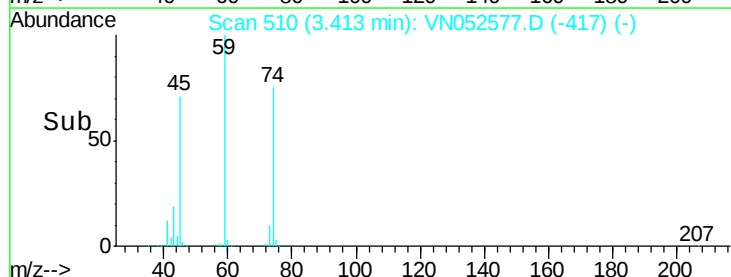
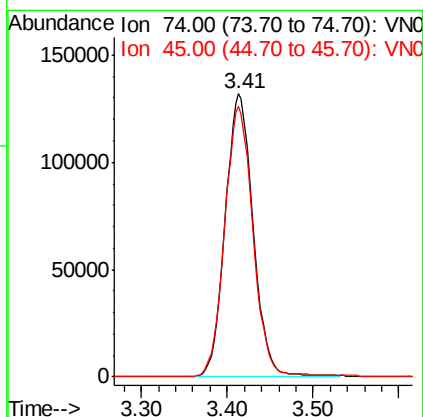
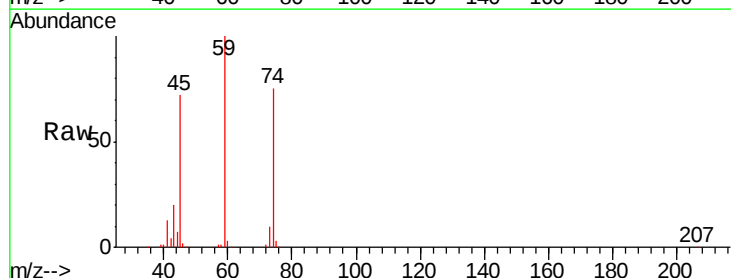
MMDadoda
11/30/2018 11:11:27 AM

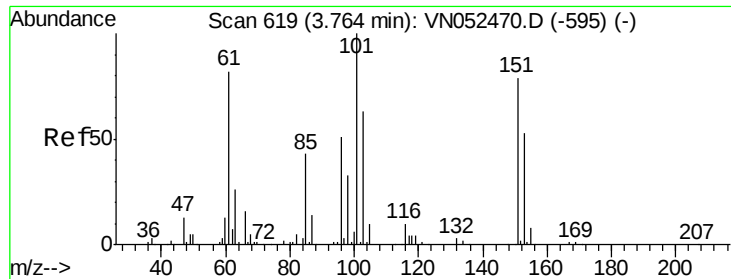


#8

Diethyl Ether
Concen: 47.856 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN052577.D
Acq: 29 Nov 2018 20:38

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	296751		
45	95.8	50.4	151.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.697 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052577.D

Acq: 29 Nov 2018 20:38

Instrument :

MSVOA_N

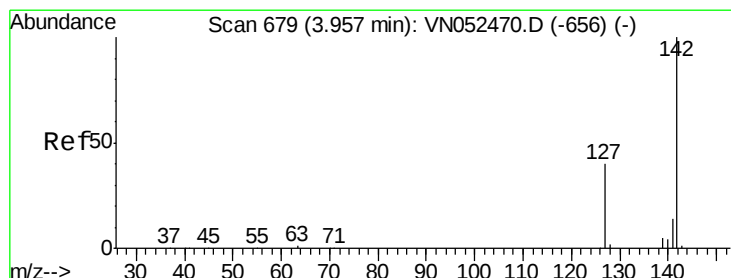
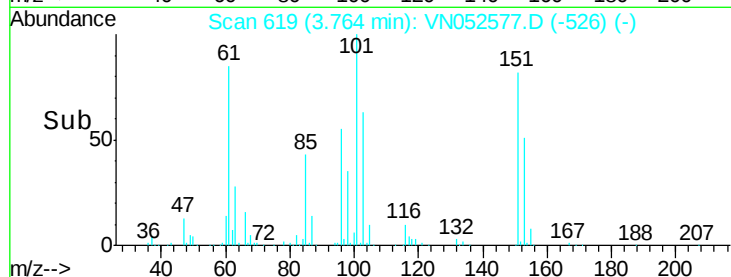
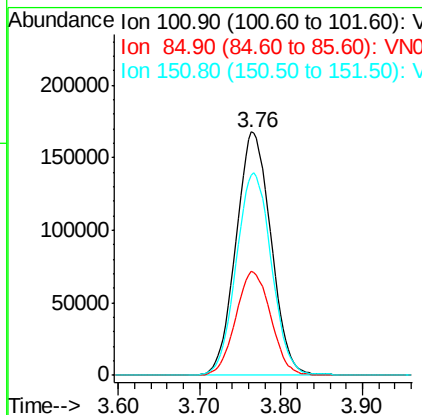
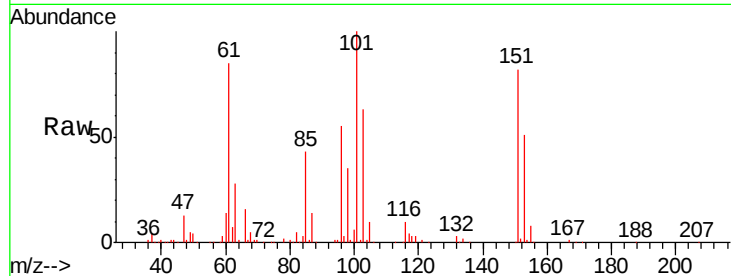
ClientSampleId :

VSTDCCC050EC

Tgt	Ion	101	Resp:	499757
Ion	Ratio	Lower	Upper	
101	100			
85	43.0	34.2	51.4	
151	83.8	64.6	96.8	

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#10

Methyl Iodide

Concen: 52.420 ug/l

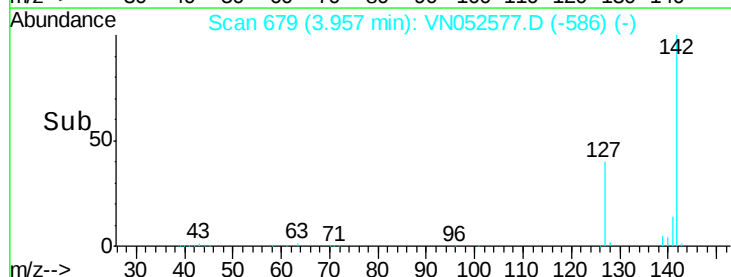
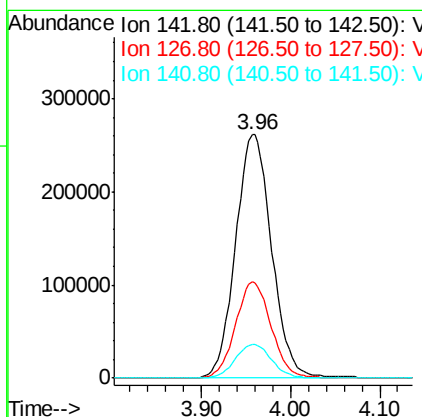
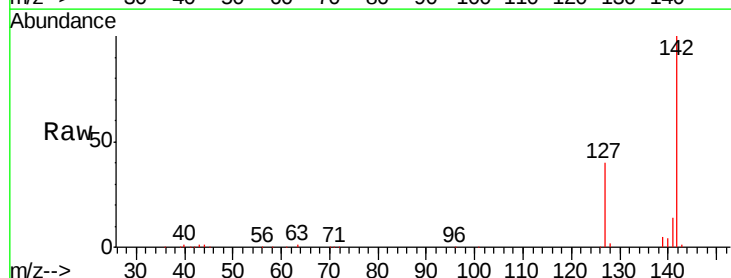
RT: 3.96 min Scan# 679

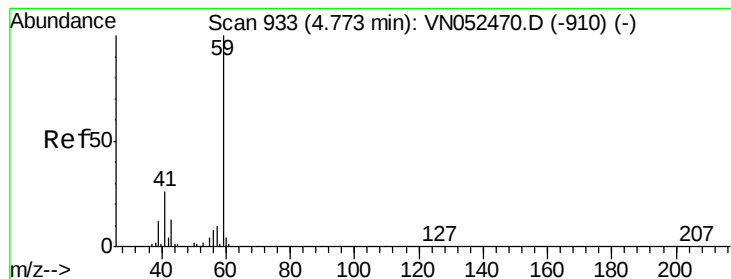
Delta R.T. -0.00 min

Lab File: VN052577.D

Acq: 29 Nov 2018 20:38

Tgt	Ion	142	Resp:	731532
Ion	Ratio	Lower	Upper	
142	100			
127	39.2	31.8	47.6	
141	14.0	11.4	17.0	





#11

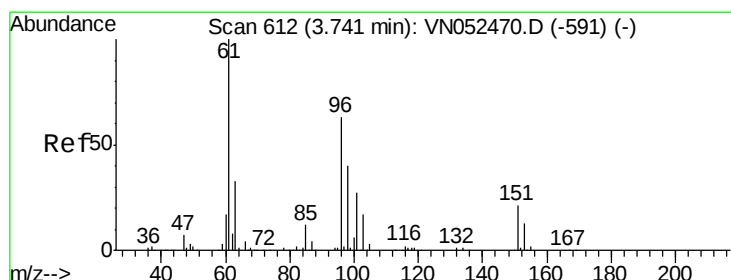
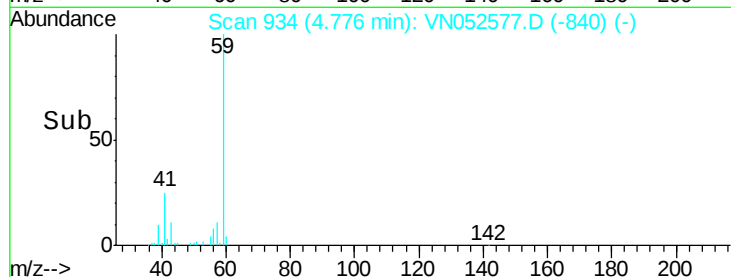
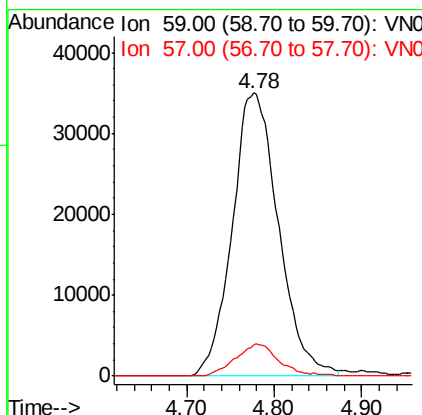
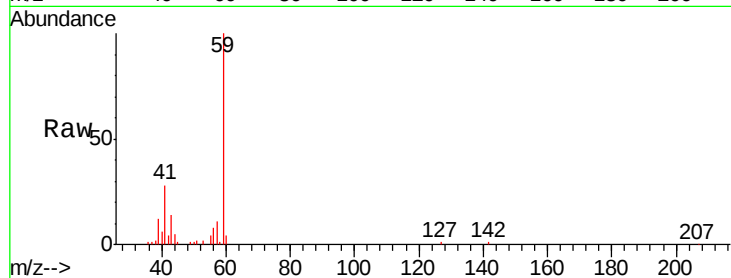
Tert butyl alcohol
Concen: 218.740 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.00 min
Lab File: VN052577.D
Acq: 29 Nov 2018 20:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.7	7.9	11.9

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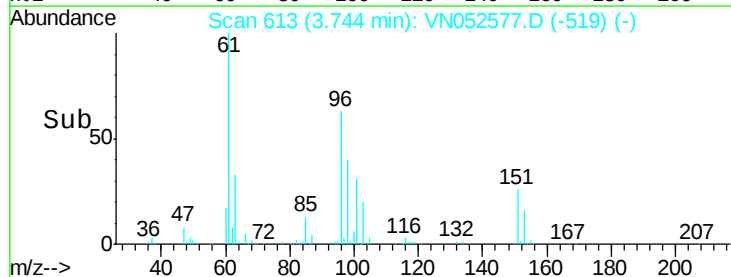
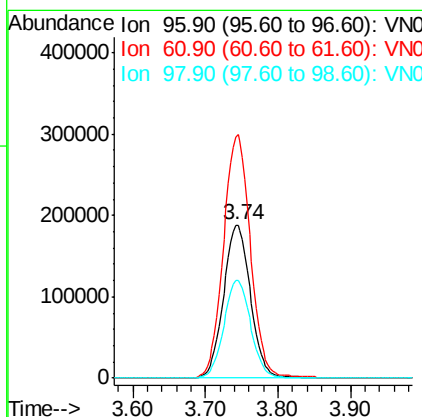
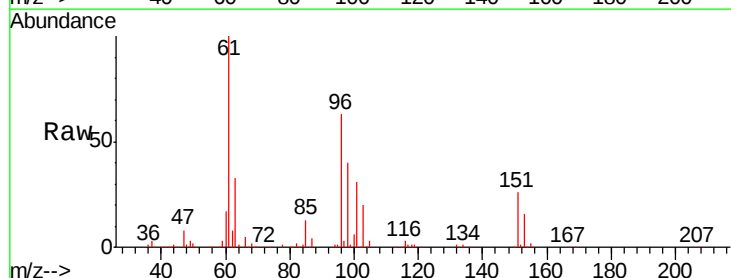
MMDadoda
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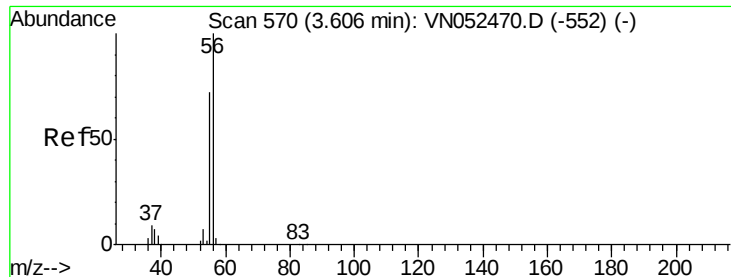


#12

1,1-Dichloroethene
Concen: 48.308 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN052577.D
Acq: 29 Nov 2018 20:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.3	127.0	190.6
98	64.0	50.3	75.5





#13

Acrolein

Concen: 186.576 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN052577.D

Acq: 29 Nov 2018 20:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 181977

Ion Ratio Lower Upper

56 100

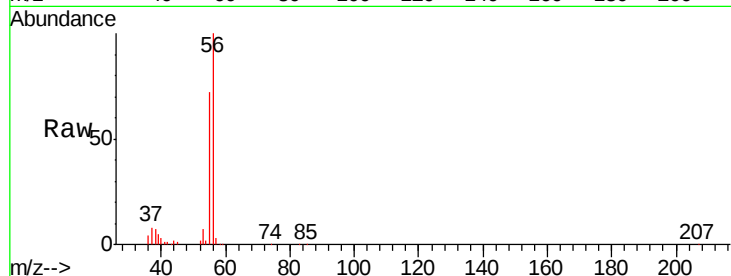
55 69.7 56.8 85.2

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

80000

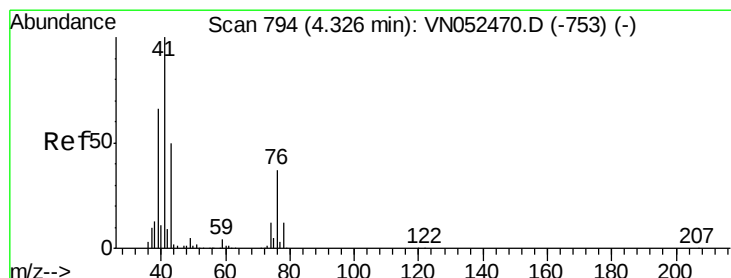
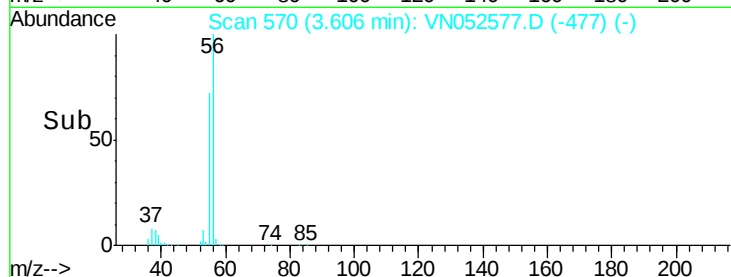
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 44.364 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052577.D

Acq: 29 Nov 2018 20:38

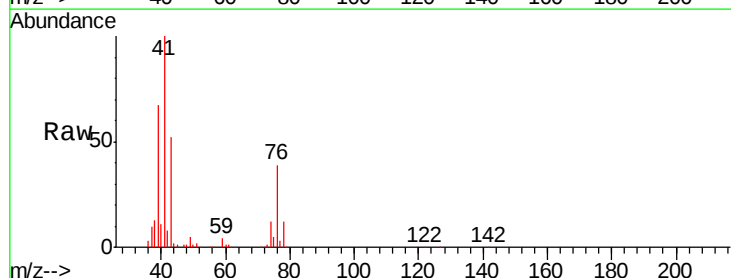
Tgt Ion: 41 Resp: 771164

Ion Ratio Lower Upper

41 100

39 69.8 50.6 76.0

76 38.4 27.4 41.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.33

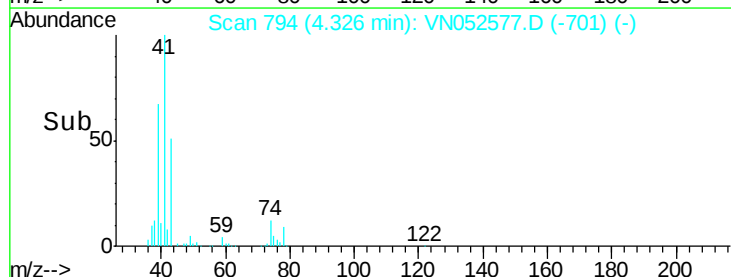
300000

200000

100000

0

Time-->





#15

Acrylonitrile

Concen: 223.780 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052577.D

Acq: 29 Nov 2018 20:38

Instrument :

MSVOA_N

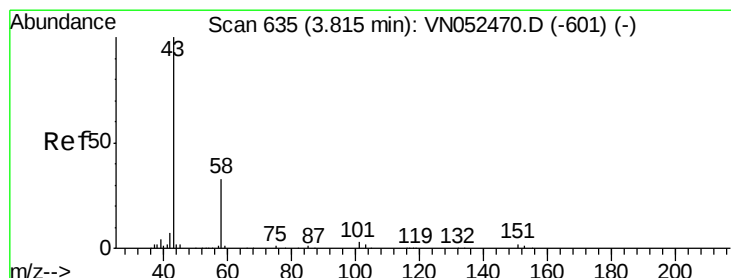
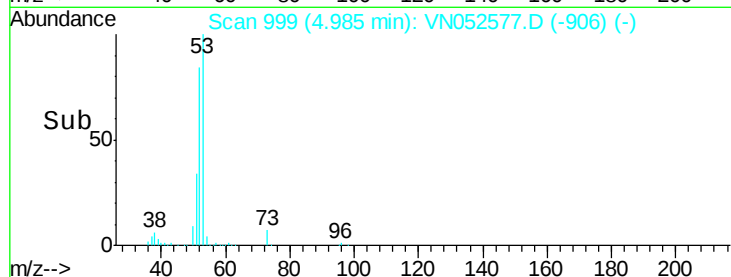
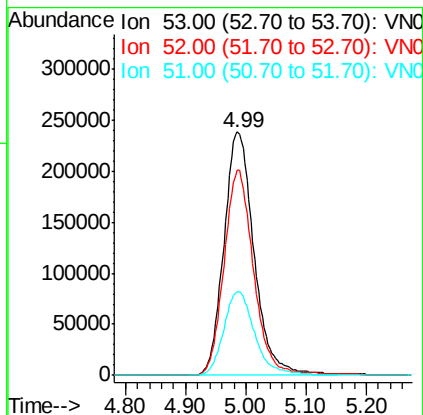
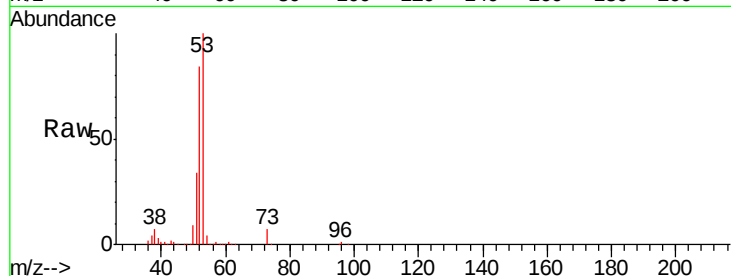
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	53	Resp:	831361
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.2	99.2
51	35.5	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 180.481 ug/l

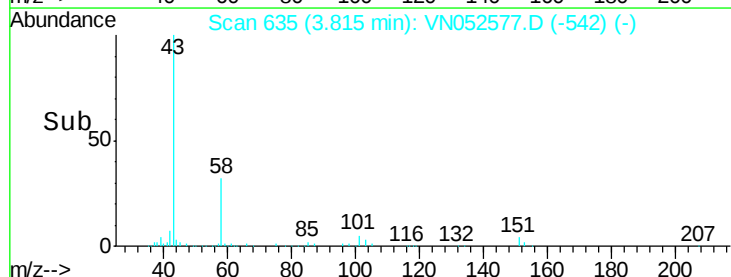
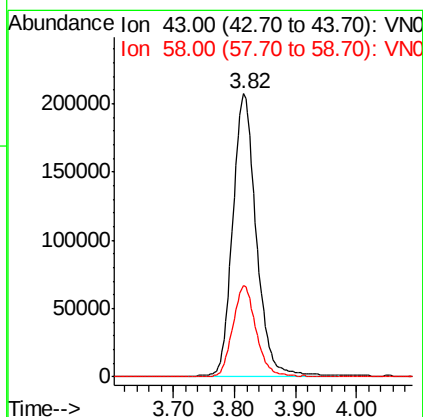
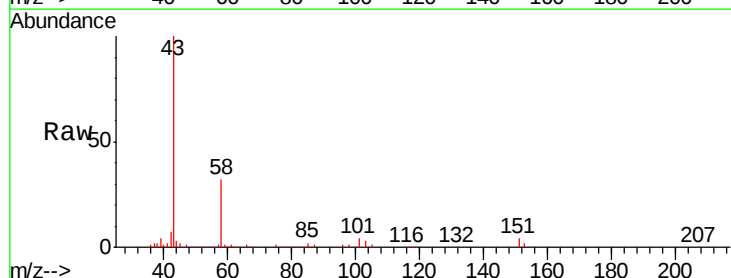
RT: 3.82 min Scan# 635

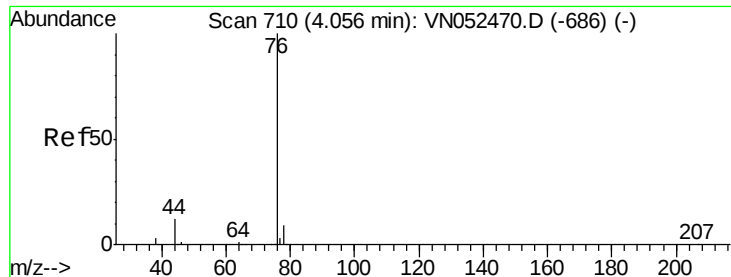
Delta R.T. -0.00 min

Lab File: VN052577.D

Acq: 29 Nov 2018 20:38

Tgt Ion:	43	Resp:	558061
Ion	Ratio	Lower	Upper
43	100		
58	32.1	26.0	39.0





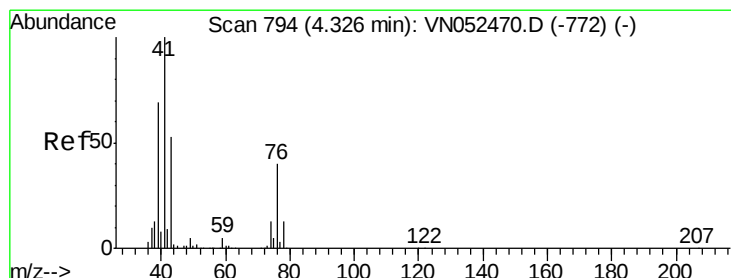
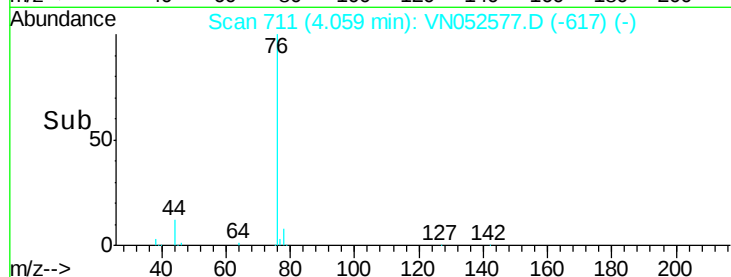
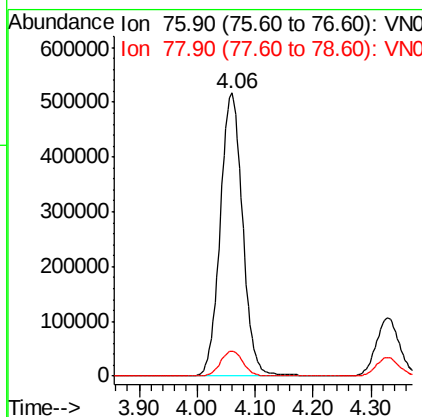
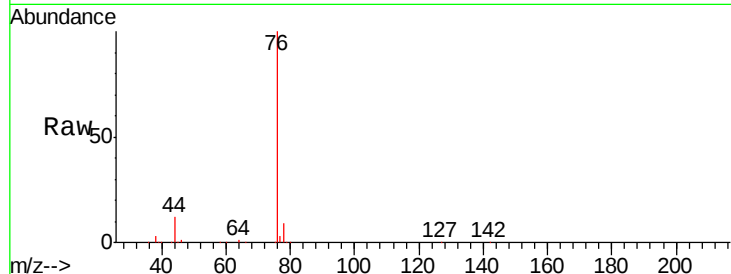
#17
Carbon Disulfide
Concen: 43.549 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052577.D
Acq: 29 Nov 2018 20:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 1382227
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0

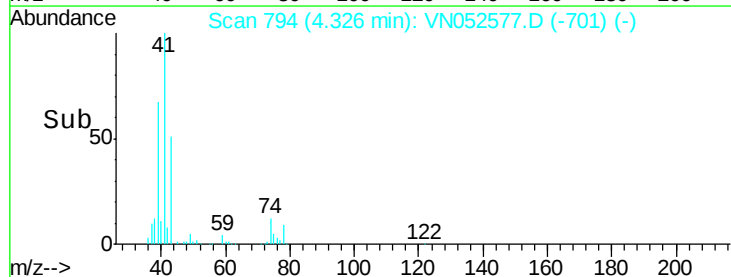
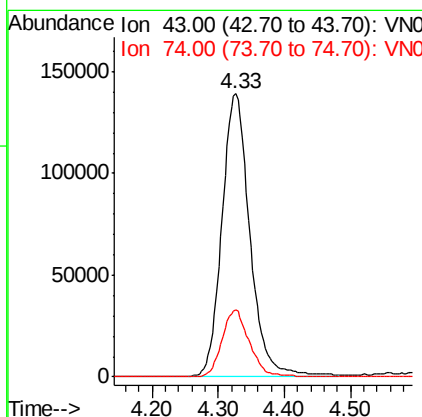
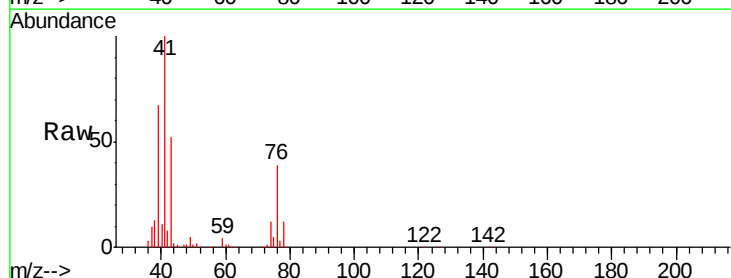
Manual Integrations
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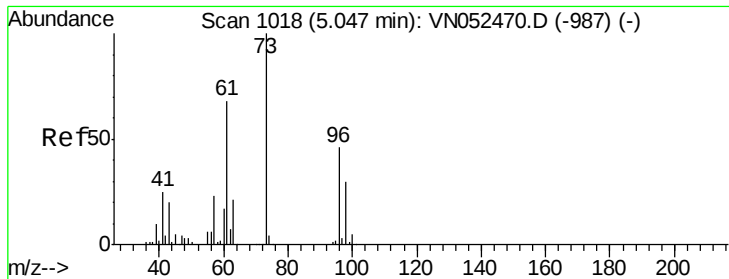
MMDadoda
11/30/2018 11:11:27 AM



#18
Methyl Acetate
Concen: 45.742 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052577.D
Acq: 29 Nov 2018 20:38

Tgt Ion: 43 Resp: 405709
Ion Ratio Lower Upper
43 100
74 23.1 18.6 27.8





#19

Methyl tert-butyl Ether

Concen: 48.321 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN052577.D

Acq: 29 Nov 2018 20:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 73 Resp: 1296664

Ion Ratio Lower Upper

73 100

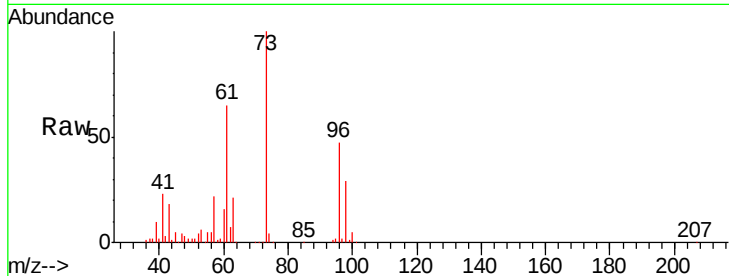
57 22.5 18.2 27.2

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Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

5.05

400000

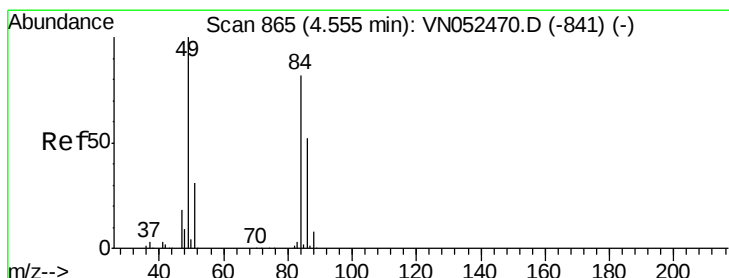
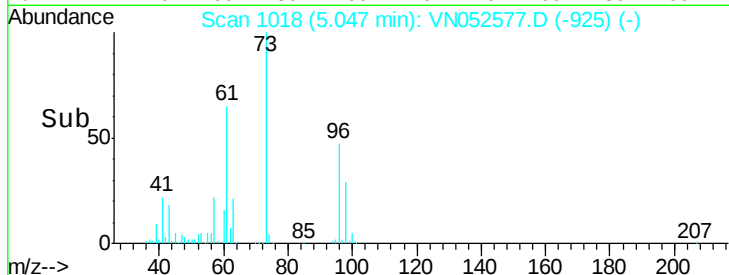
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 45.980 ug/l

RT: 4.55 min Scan# 865

Delta R.T. -0.00 min

Lab File: VN052577.D

Acq: 29 Nov 2018 20:38

Tgt Ion: 84 Resp: 556362

Ion Ratio Lower Upper

84 100

49 123.0 98.0 147.0

51 37.3 30.1 45.1

86 66.1 50.7 76.1

Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

4.55

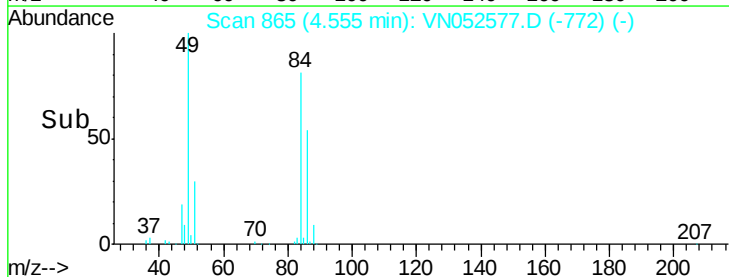
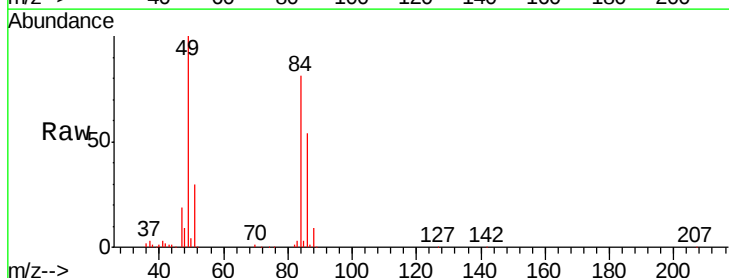
300000

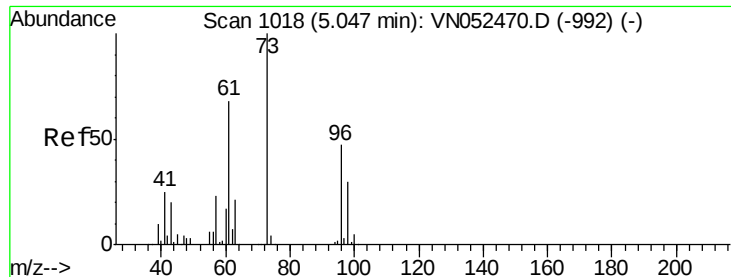
200000

100000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 48.817 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN052577.D

Acq: 29 Nov 2018 20:38

Instrument :

MSVOA_N

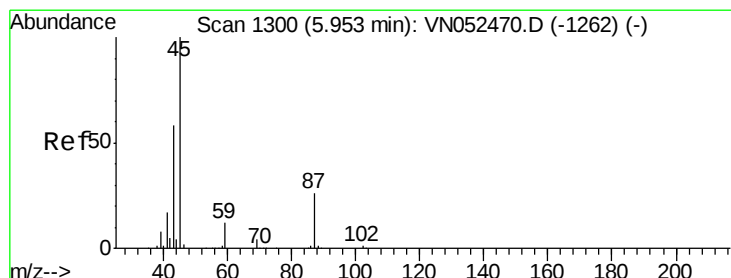
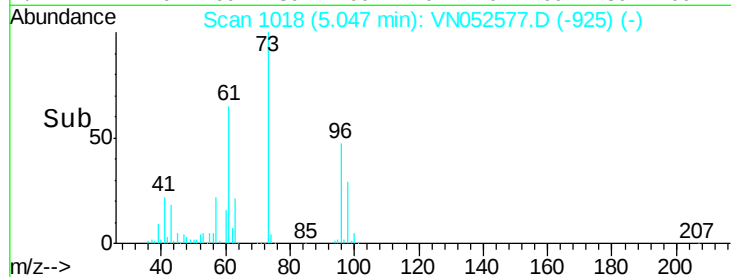
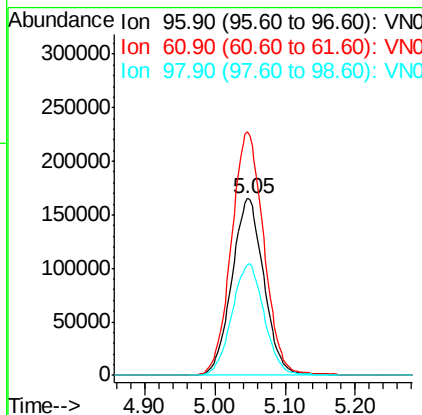
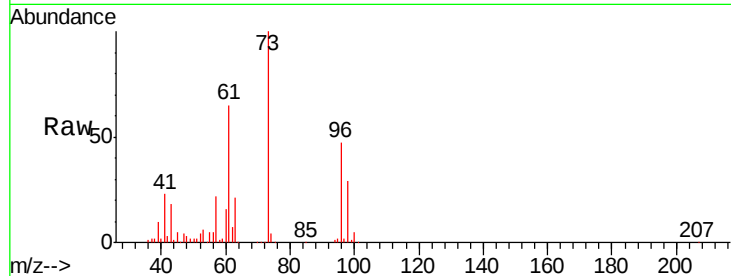
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	525846
Ion	Ratio	Lower	Upper
96	100		
61	137.8	117.0	175.4
98	62.9	51.8	77.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 47.673 ug/l

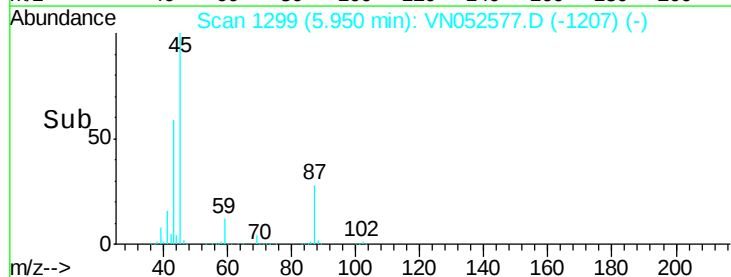
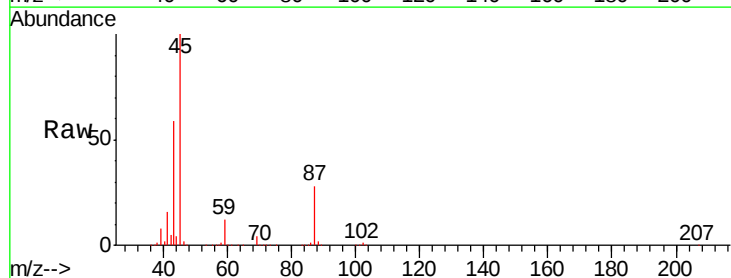
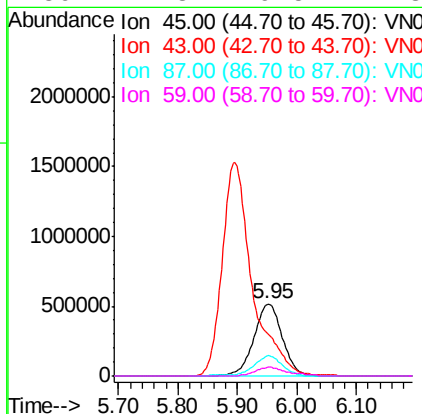
RT: 5.95 min Scan# 1299

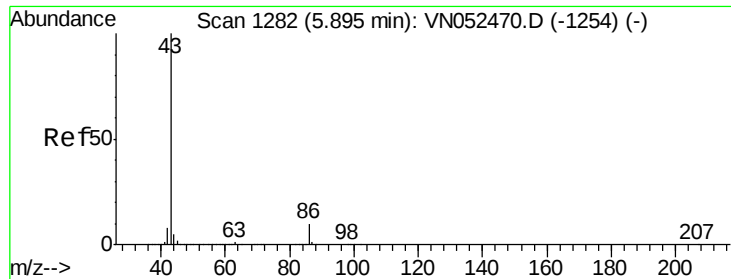
Delta R.T. -0.00 min

Lab File: VN052577.D

Acq: 29 Nov 2018 20:38

Tgt Ion:	45	Resp:	1740683
Ion	Ratio	Lower	Upper
45	100		
43	59.1	46.1	69.1
87	27.5	21.3	31.9
59	11.8	9.5	14.3





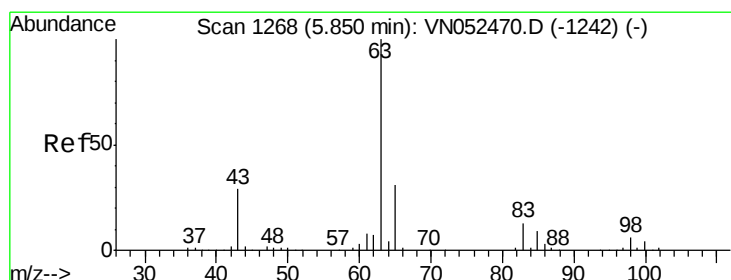
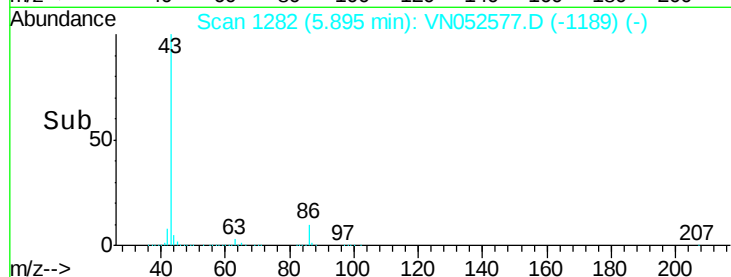
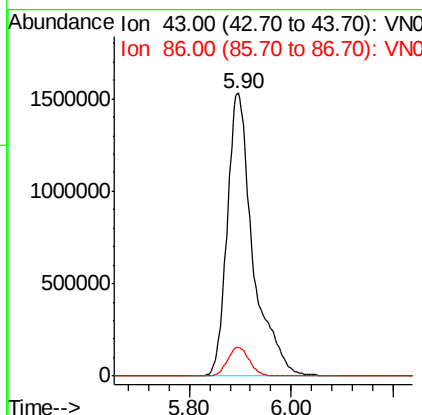
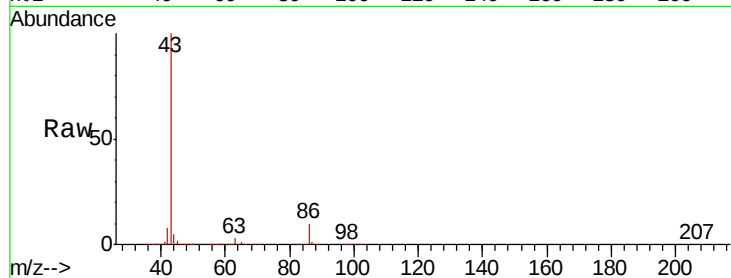
#23
 Vinyl Acetate
 Concen: 236.171 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN052577.D
 Acq: 29 Nov 2018 20:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 5371028
 Ion Ratio Lower Upper
 43 100
 86 10.2 7.8 11.8

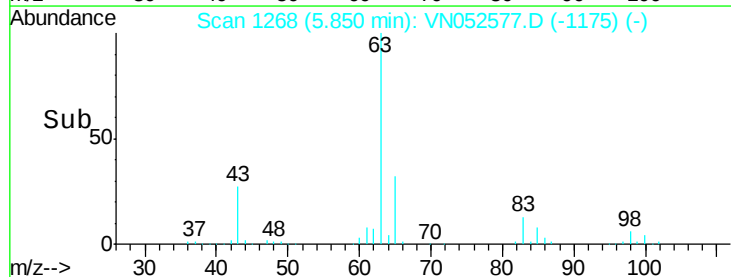
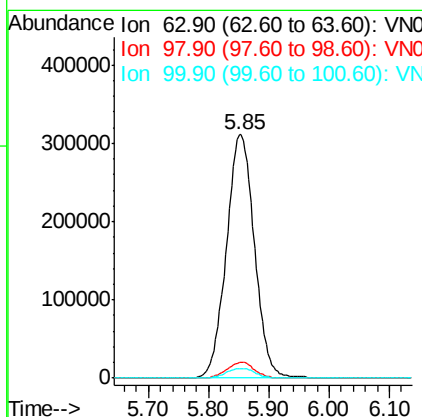
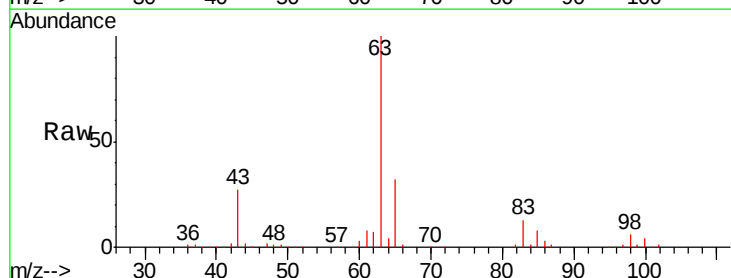
Manual Integrations
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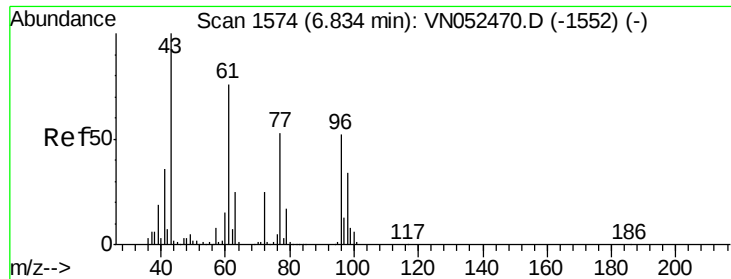
MMDadoda
 11/30/2018 11:11:27 AM



#24
 1,1-Dichloroethane
 Concen: 48.393 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN052577.D
 Acq: 29 Nov 2018 20:38

Tgt Ion: 63 Resp: 1008867
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.0 9.2
 100 4.0 2.0 5.8





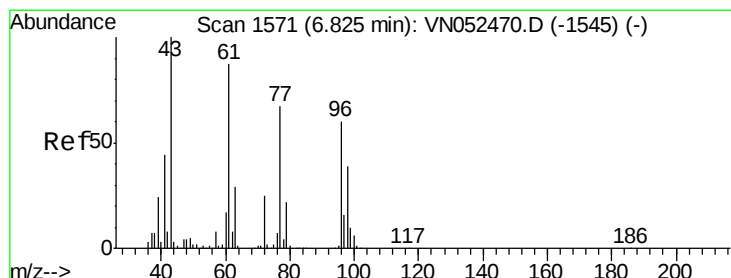
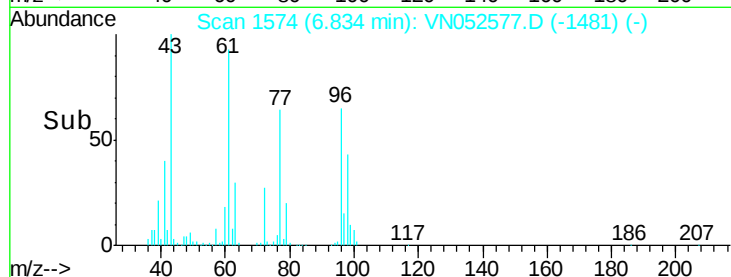
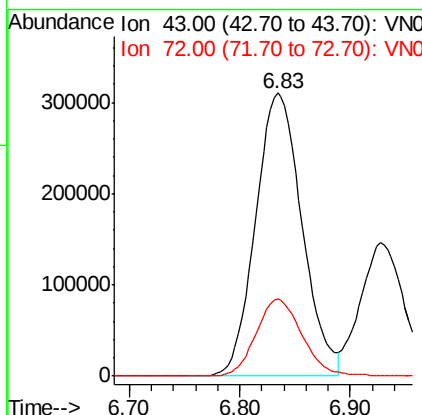
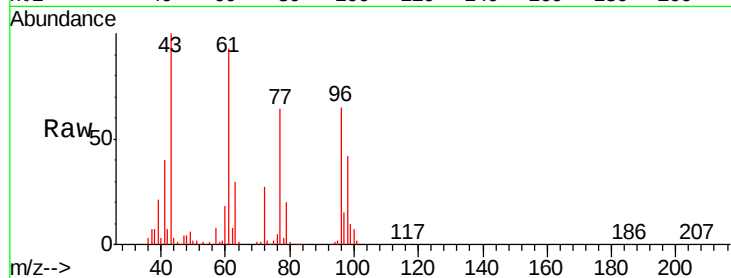
#25
2-Butanone
Concen: 205.703 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN052577.D
Acq: 29 Nov 2018 20:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 901534
Ion Ratio Lower Upper
43 100
72 27.2 20.1 30.1

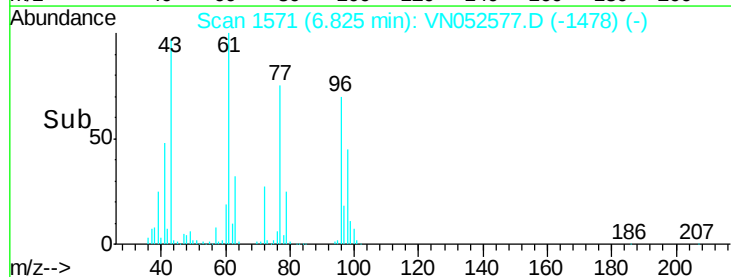
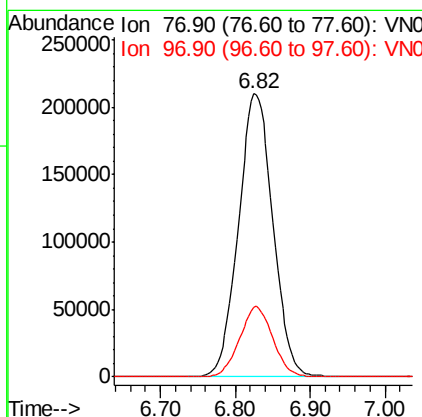
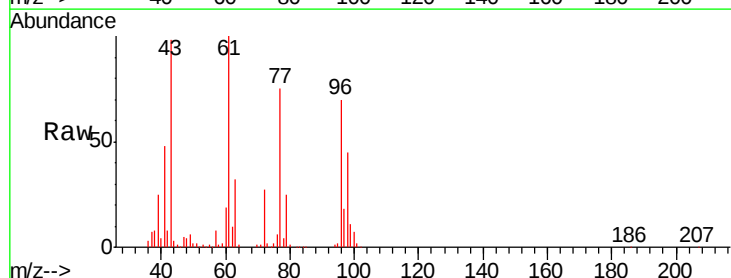
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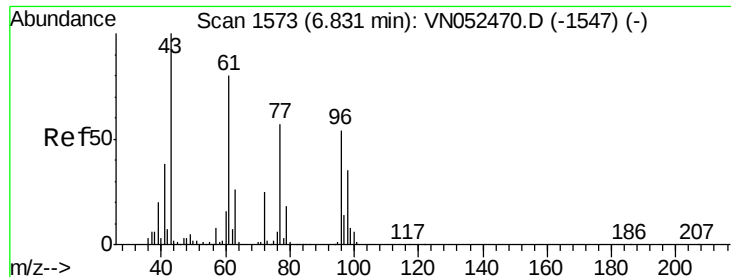
MMDadoda
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#26
2,2-Dichloropropane
Concen: 46.575 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN052577.D
Acq: 29 Nov 2018 20:38

Tgt Ion: 77 Resp: 672076
Ion Ratio Lower Upper
77 100
97 23.9 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 48.670 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052577.D

Acq: 29 Nov 2018 20:38

Instrument :

MSVOA_N

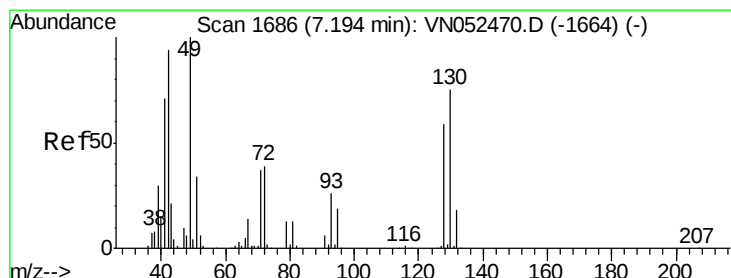
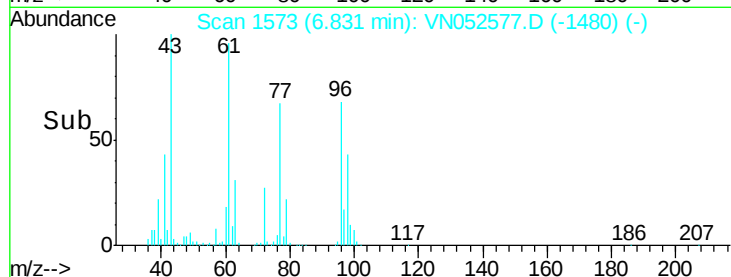
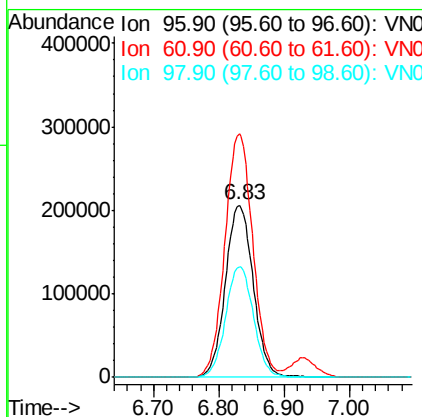
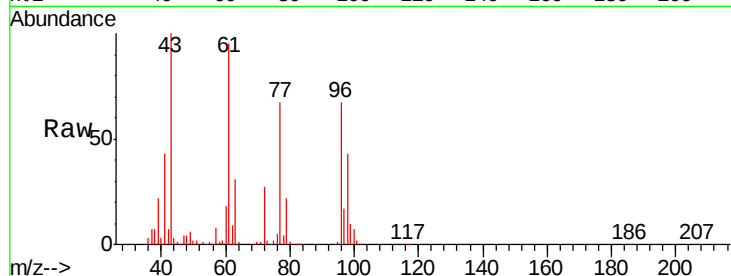
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	610699
Ion	Ratio	Lower	Upper
96	100		
61	141.7	0.0	291.0
98	64.5	0.0	130.0

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#28

Bromochloromethane

Concen: 46.670 ug/l

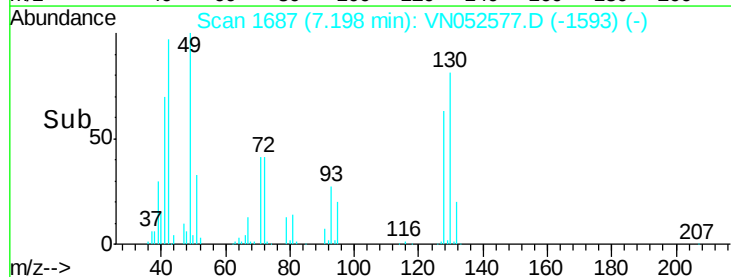
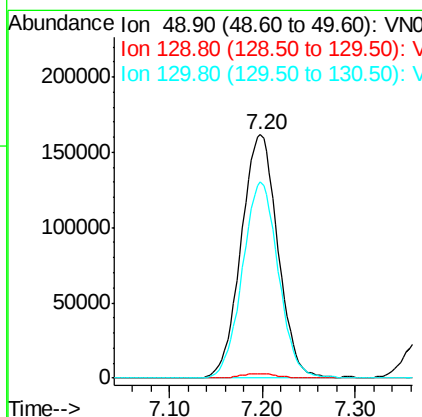
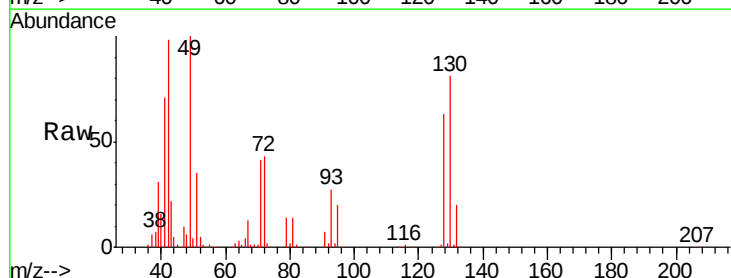
RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052577.D

Acq: 29 Nov 2018 20:38

Tgt Ion:	49	Resp:	444392
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	79.2	60.2	90.2





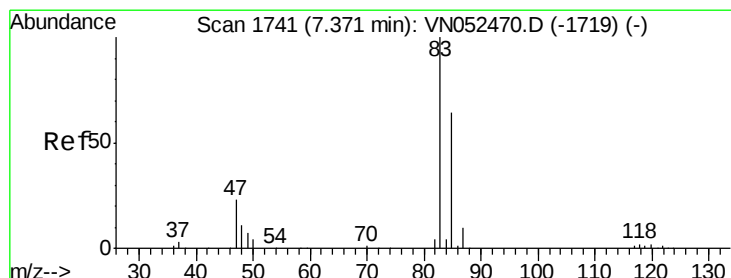
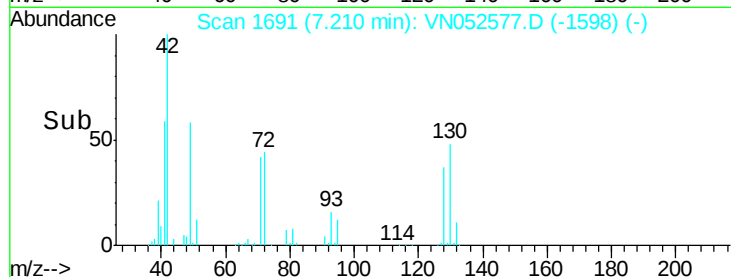
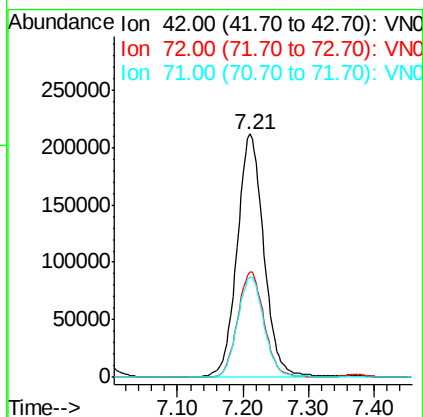
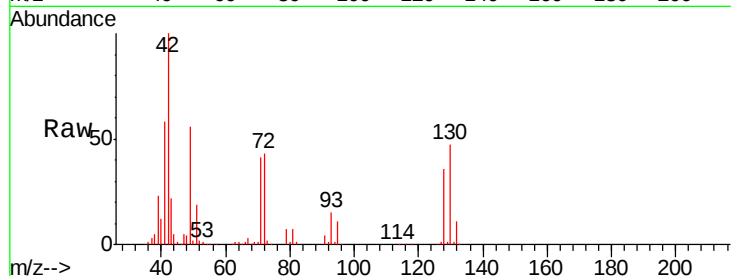
#29
Tetrahydrofuran
Concen: 211.760 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052577.D
Acq: 29 Nov 2018 20:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.1	33.3	49.9
71	41.3	32.0	48.0

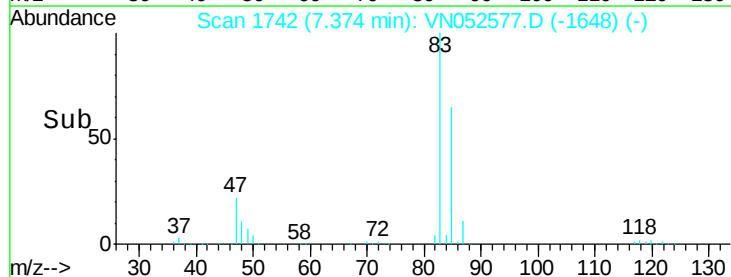
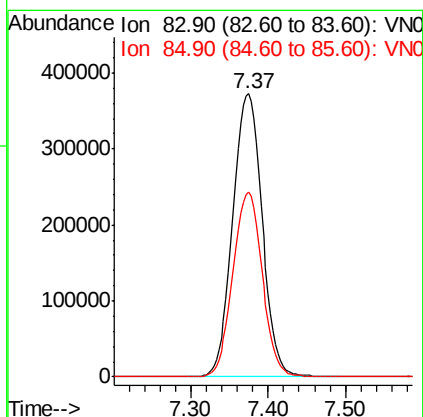
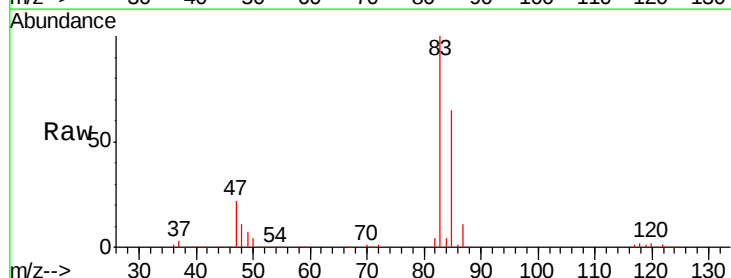
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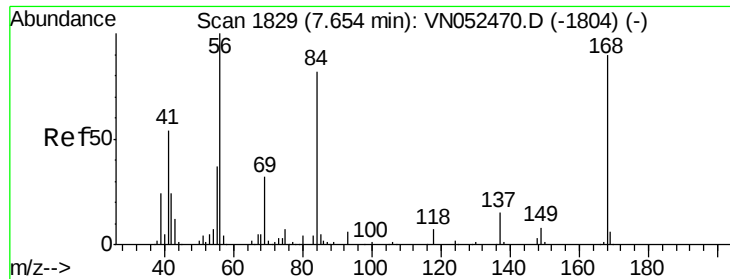
MMDadoda
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#30
Chloroform
Concen: 47.332 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052577.D
Acq: 29 Nov 2018 20:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.0	76.4





#31

Cyclohexane

Concen: 45.716 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN052577.D

Acq: 29 Nov 2018 20:38

Instrument :

MSVOA_N

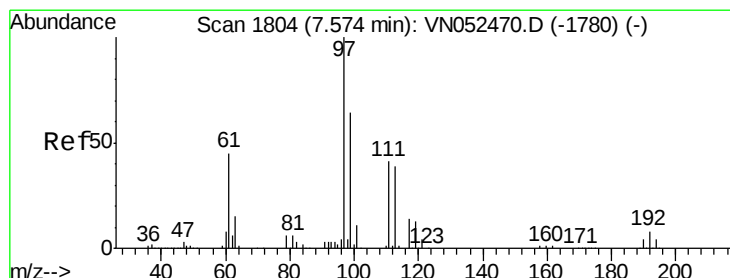
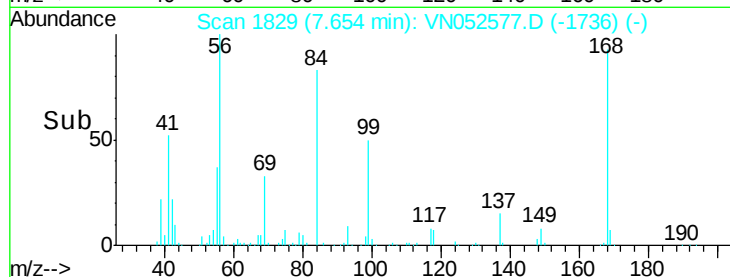
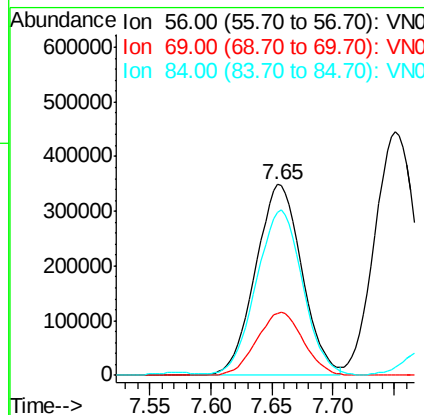
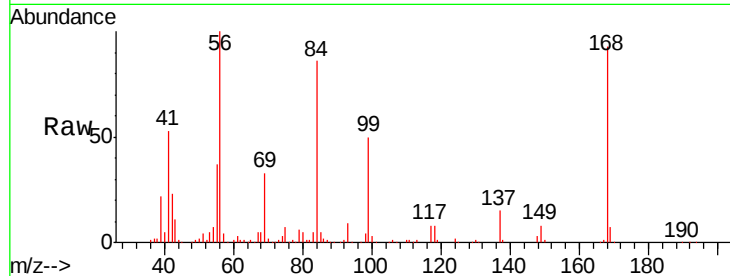
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	56	Resp:	923101
Ion Ratio	Lower	Upper	
56	100		
69	32.6	25.8	38.6
84	84.5	65.3	97.9

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#32

1,1,1-Trichloroethane

Concen: 49.397 ug/l

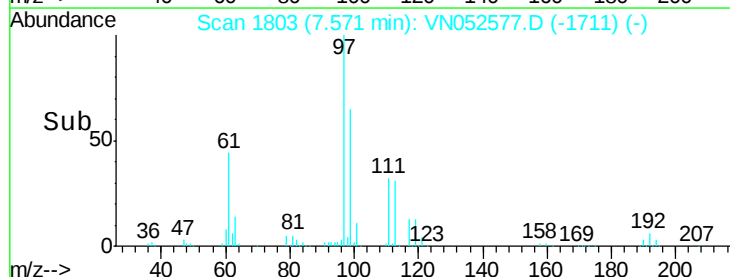
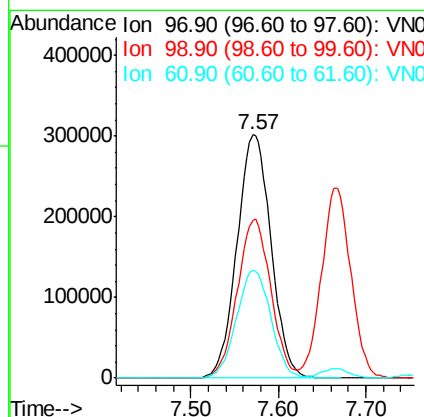
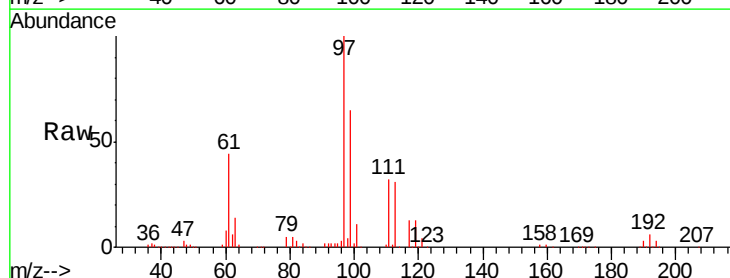
RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052577.D

Acq: 29 Nov 2018 20:38

Tgt Ion:	97	Resp:	814049
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.7	77.5
61	44.8	36.8	55.2





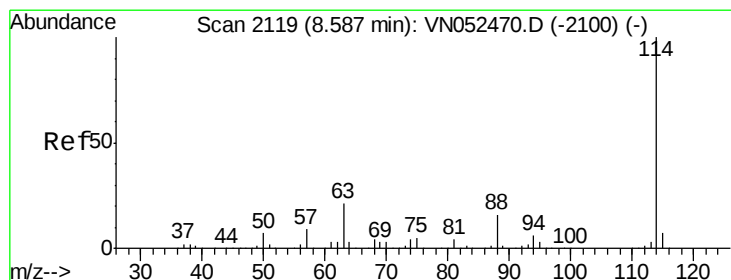
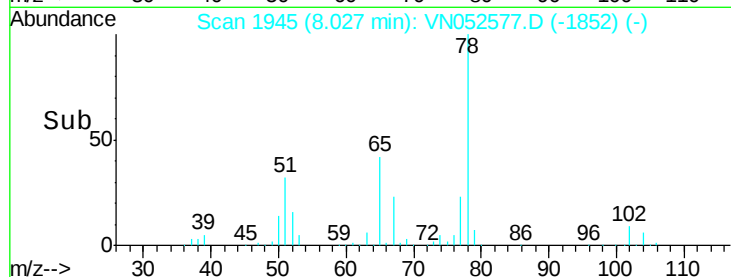
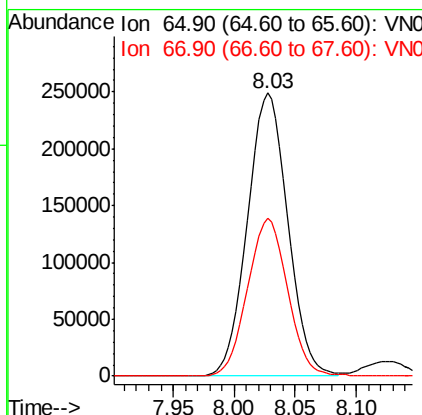
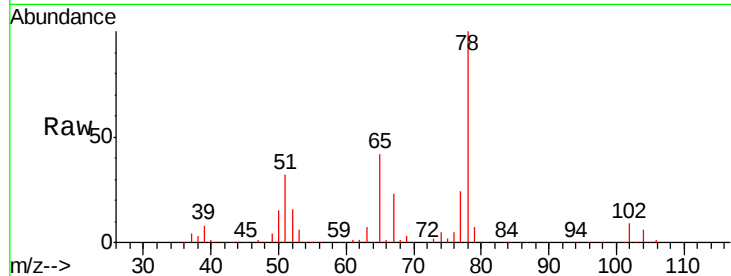
#33
 1,2-Dichloroethane-d4
 Concen: 49.397 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052577.D
 Acq: 29 Nov 2018 20:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 65 Resp: 570825
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 109.8

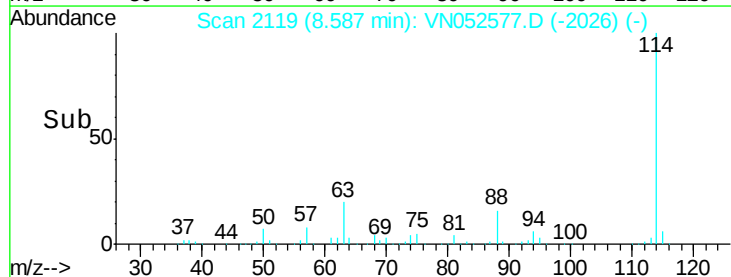
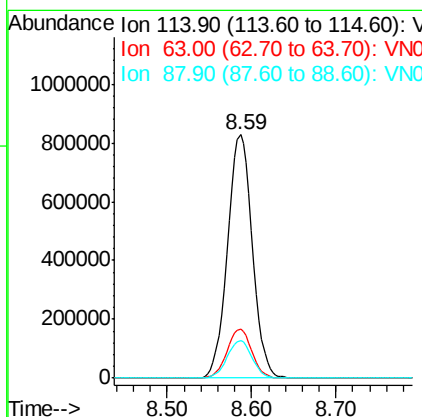
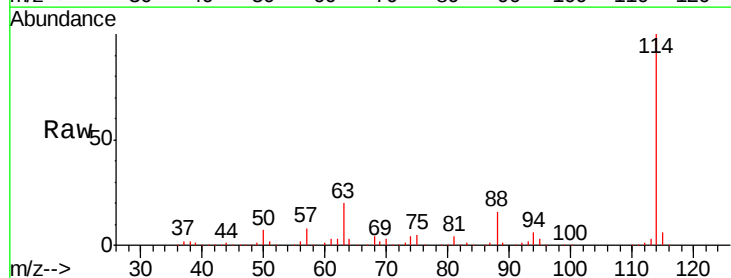
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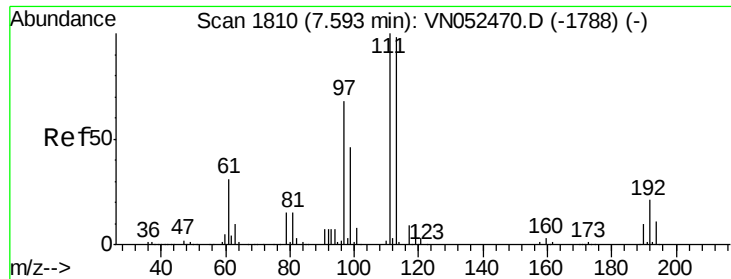
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052577.D
 Acq: 29 Nov 2018 20:38

Tgt Ion: 114 Resp: 1692383
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.8
 88 15.5 0.0 31.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN052577.D

Acq: 29 Nov 2018 20:38

Instrument :

MSVOA_N

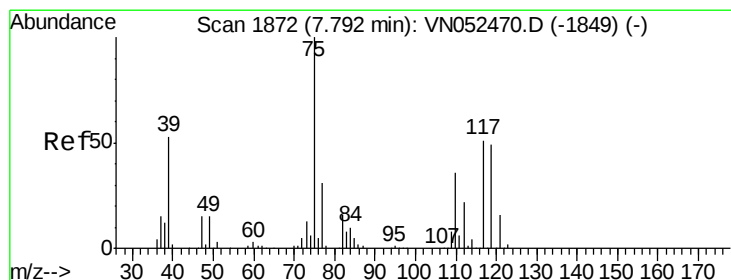
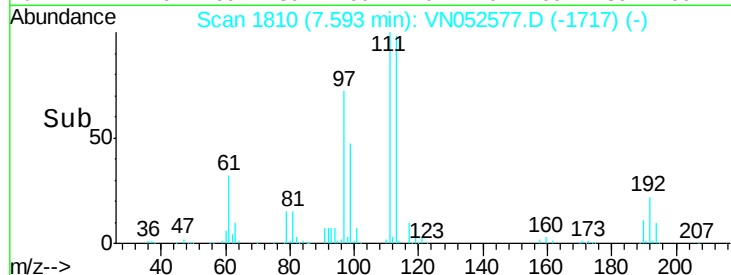
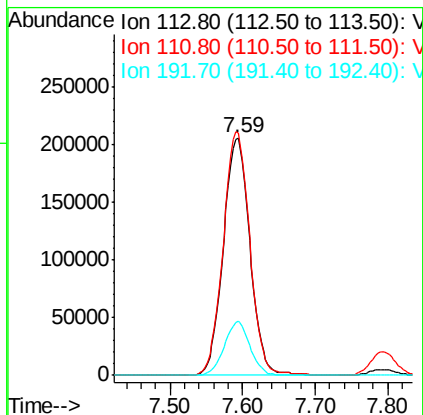
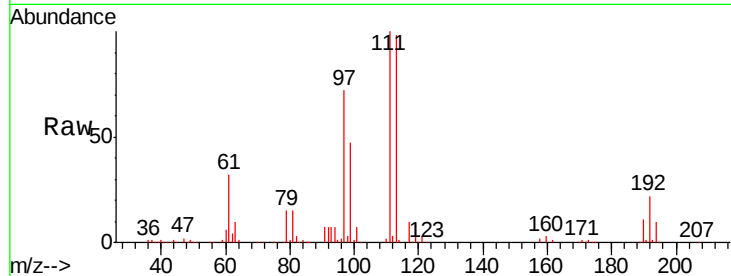
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	113	Resp:	526061
Ion Ratio	Lower	Upper	
113	100		
111	102.4	82.0	123.0
192	21.8	17.0	25.6

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#36

1,1-Dichloropropene

Concen: 47.528 ug/l

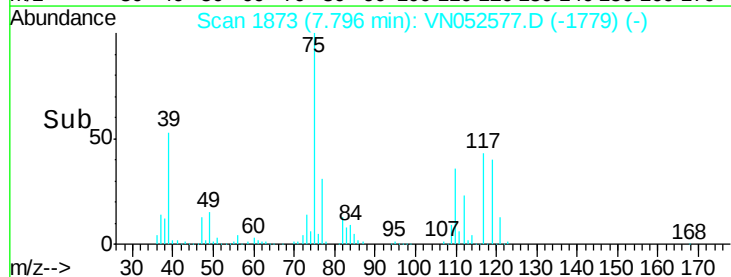
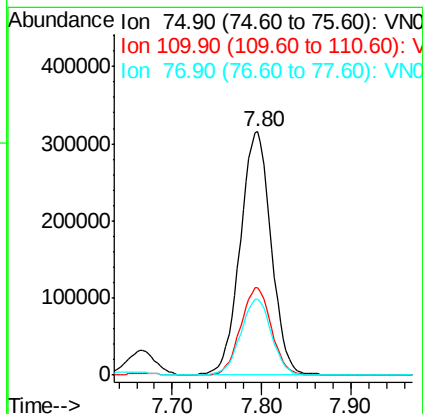
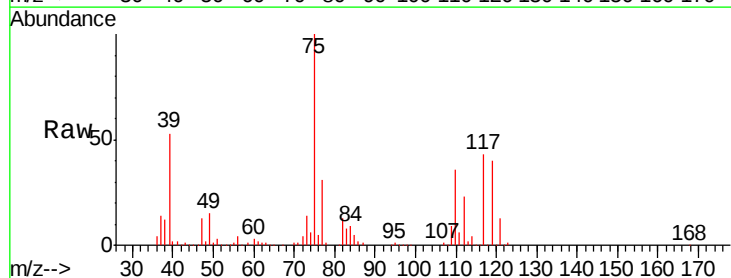
RT: 7.80 min Scan# 1873

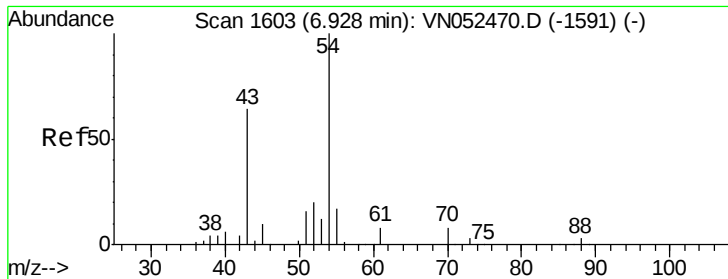
Delta R.T. 0.00 min

Lab File: VN052577.D

Acq: 29 Nov 2018 20:38

Tgt Ion:	75	Resp:	759580
Ion Ratio	Lower	Upper	
75	100		
110	35.8	17.5	52.6
77	31.3	24.5	36.7





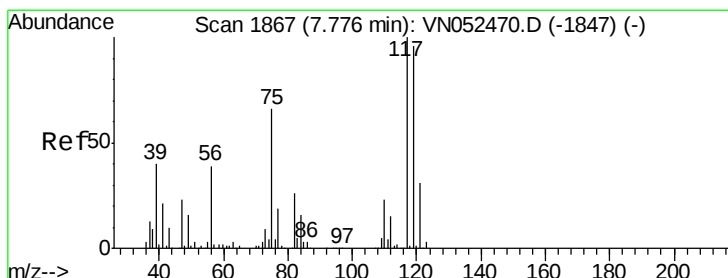
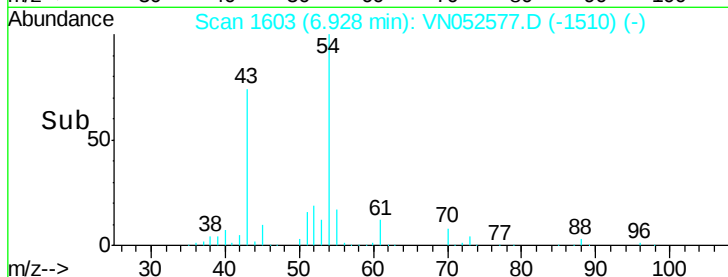
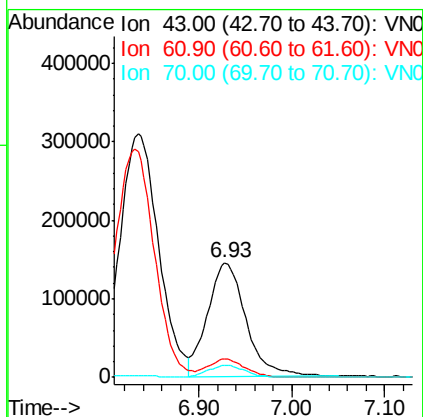
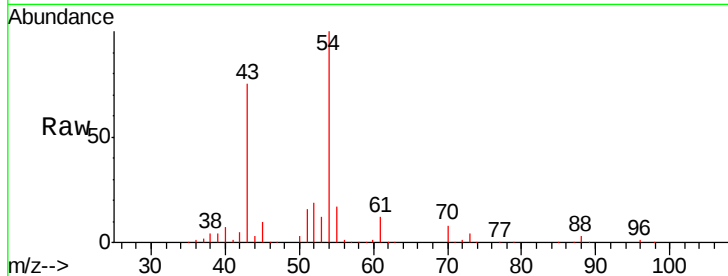
#37
Ethyl Acetate
Concen: 42.423 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052577.D
Acq: 29 Nov 2018 20:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 413776
Ion Ratio Lower Upper
43 100
61 15.4 11.8 17.8
70 10.4 7.8 11.8

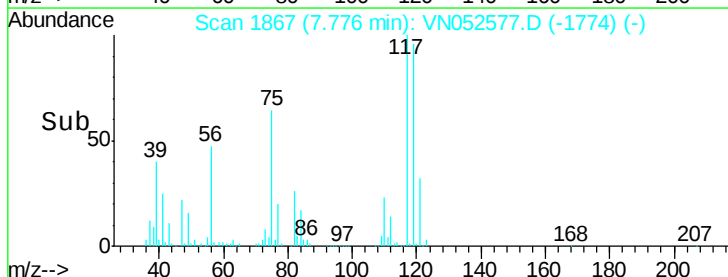
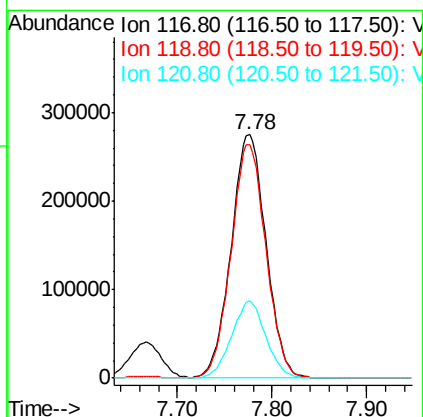
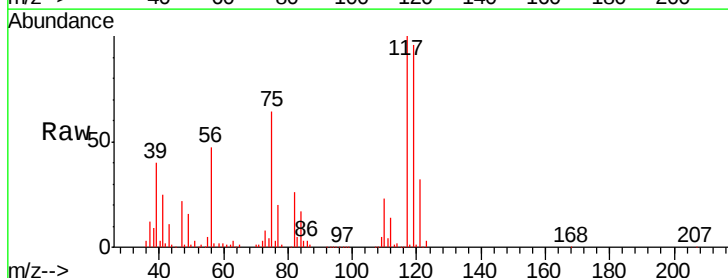
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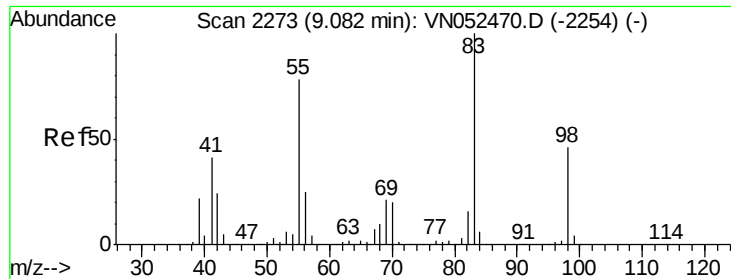
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#38
Carbon Tetrachloride
Concen: 48.689 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052577.D
Acq: 29 Nov 2018 20:38

Tgt Ion: 117 Resp: 704411
Ion Ratio Lower Upper
117 100
119 95.9 76.8 115.2
121 31.8 24.9 37.3





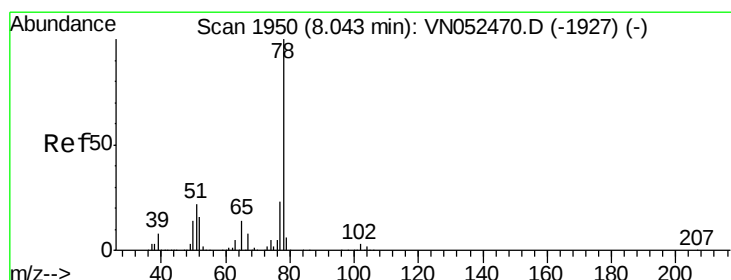
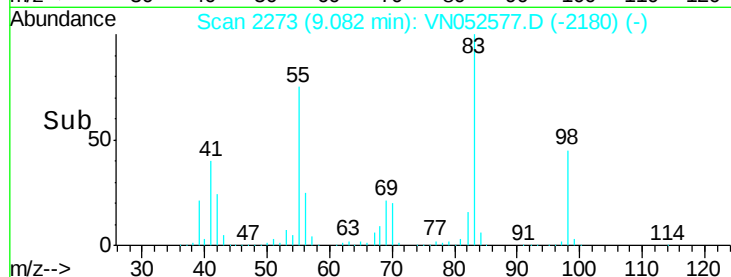
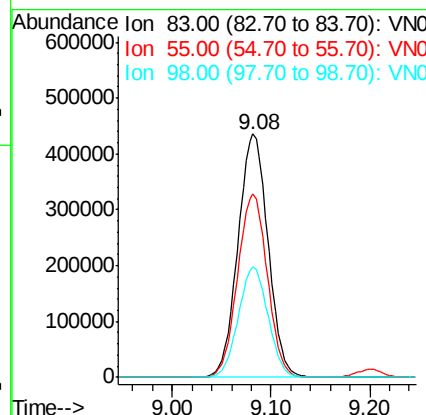
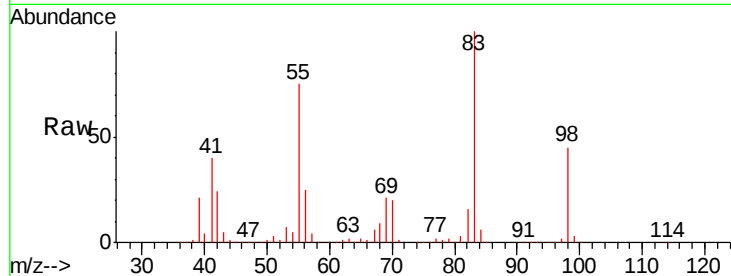
#39
Methylcyclohexane
Concen: 47.155 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052577.D
Acq: 29 Nov 2018 20:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	915983		
55	75.2	62.2	93.2	
98	45.2	36.4	54.6	

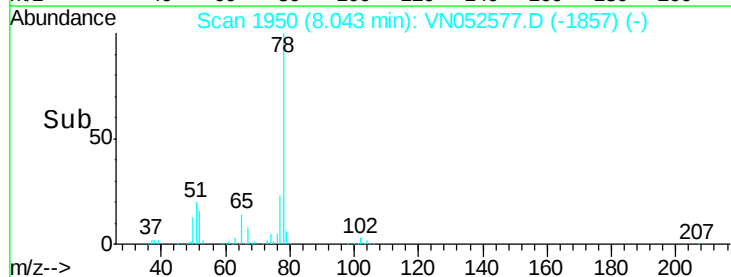
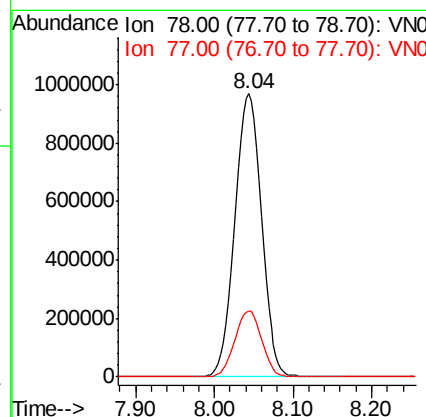
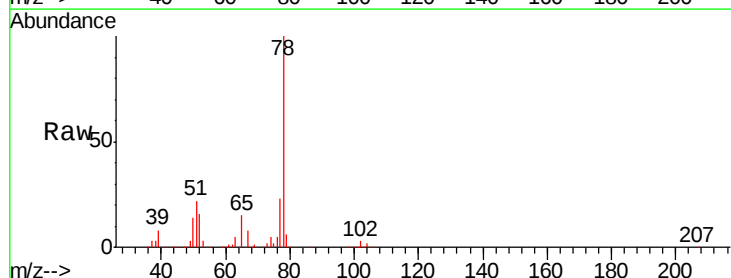
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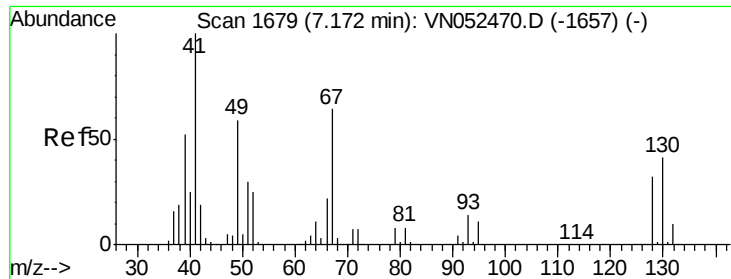
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#40
Benzene
Concen: 47.887 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052577.D
Acq: 29 Nov 2018 20:38

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	2280781		
77	23.4	18.8	28.2	





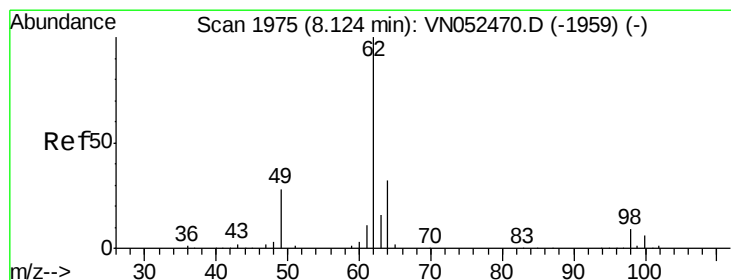
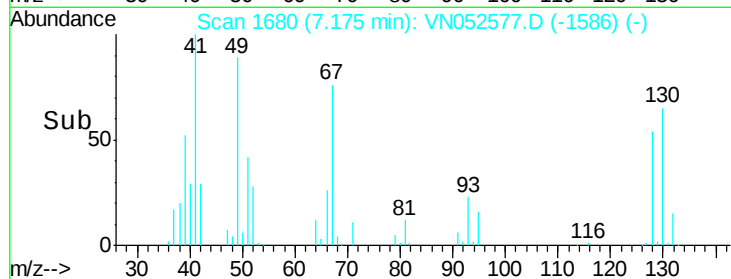
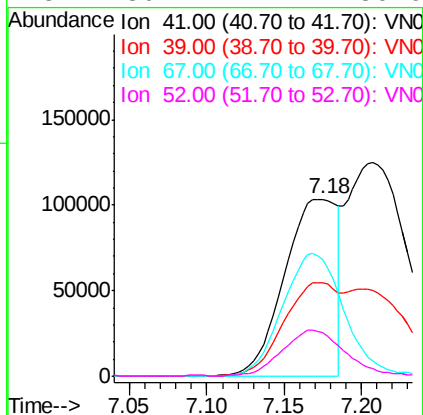
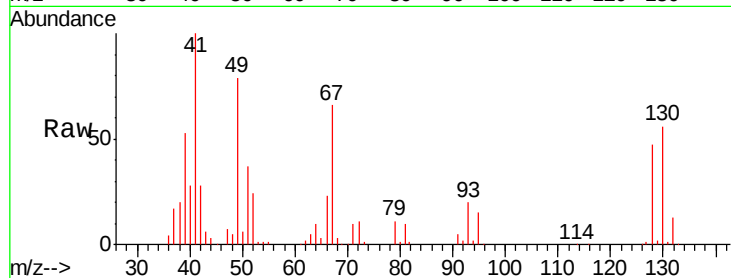
#41
Methacrylonitrile
Concen: 45.779 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN052577.D
Acq: 29 Nov 2018 20:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:	41	Resp:	244109
Ion	Ratio	Lower	Upper
41	100		
39	56.2	50.9	76.3
67	81.8	63.6	95.4
52	30.4	24.4	36.6

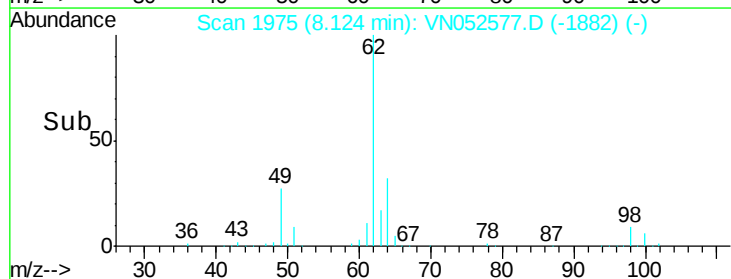
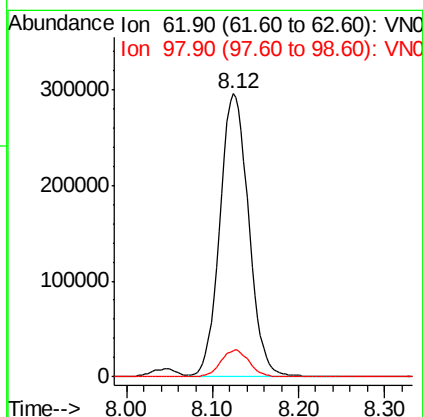
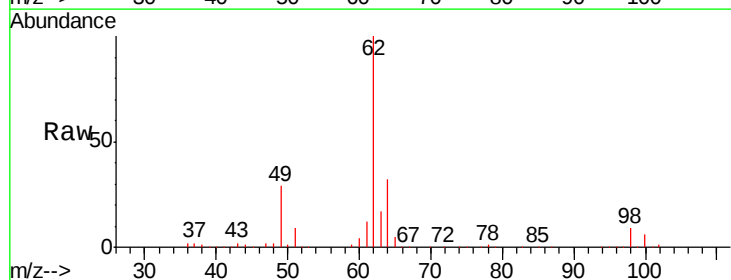
Manual Integrations
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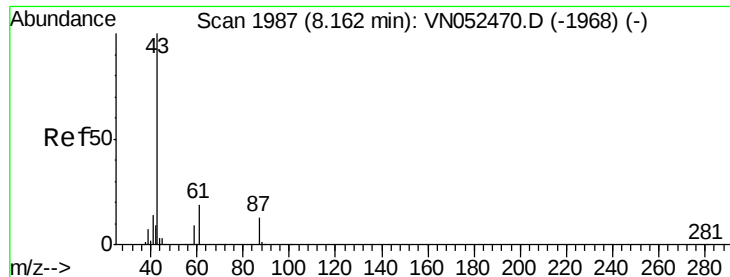
MMDadoda
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#42
1,2-Dichloroethane
Concen: 47.737 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052577.D
Acq: 29 Nov 2018 20:38

Tgt Ion:	62	Resp:	688422
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.6





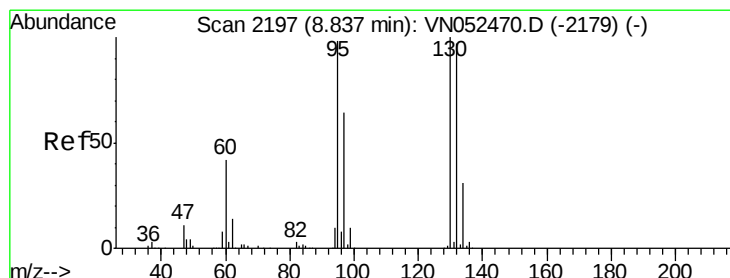
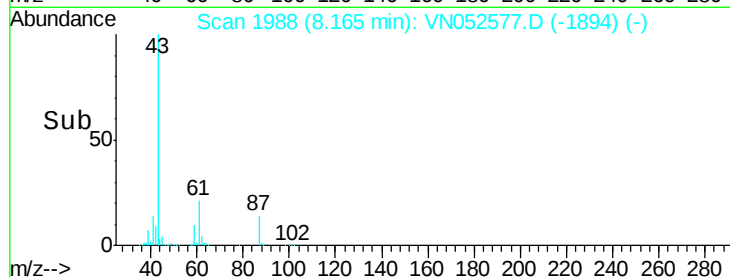
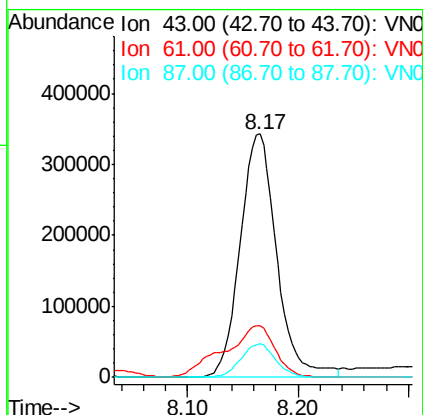
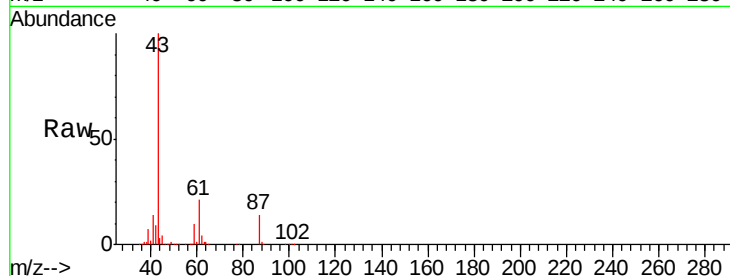
#43
Isopropyl Acetate
Concen: 47.550 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052577.D
Acq: 29 Nov 2018 20:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	29.4	24.1	36.1
87	13.2	10.6	15.8

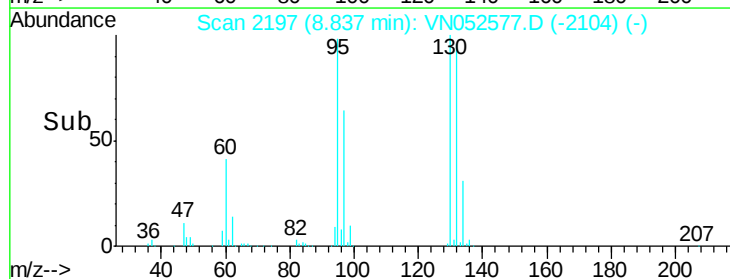
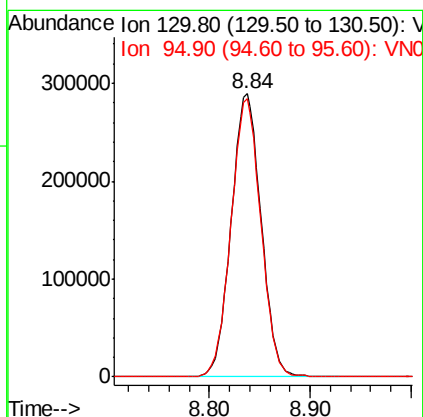
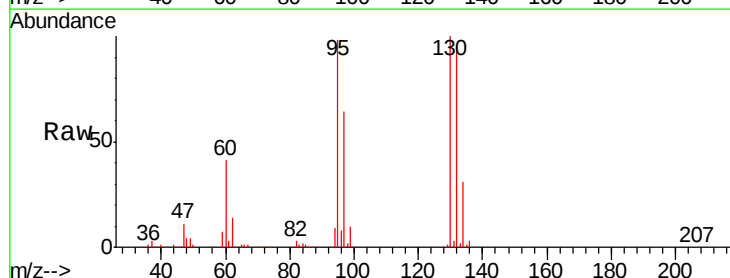
Manual Integrations
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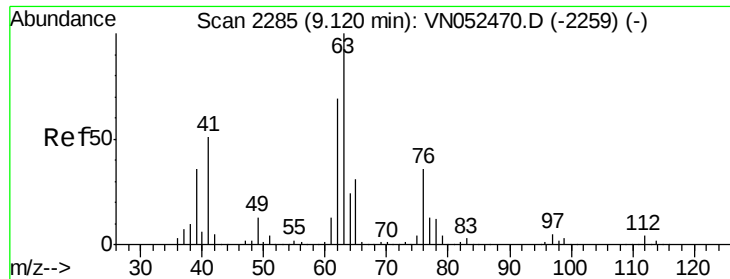
MMDadoda
11/30/2018 11:11:27 AM



#44
Trichloroethene
Concen: 48.824 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN052577.D
Acq: 29 Nov 2018 20:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	195.6





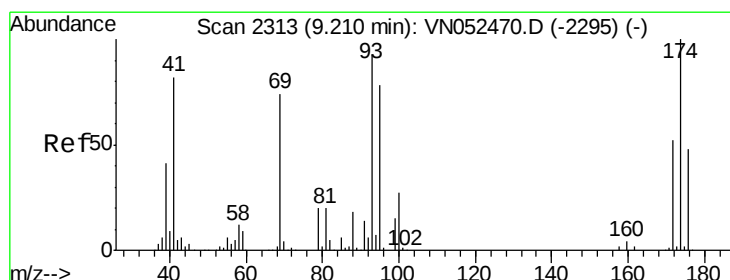
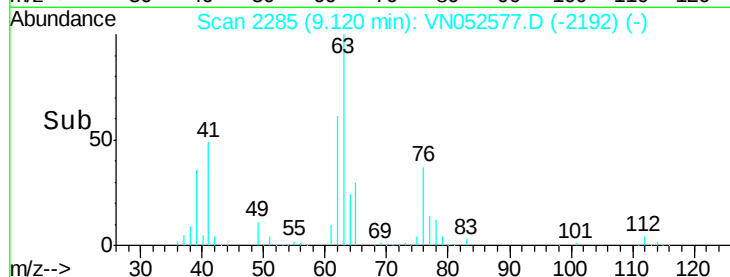
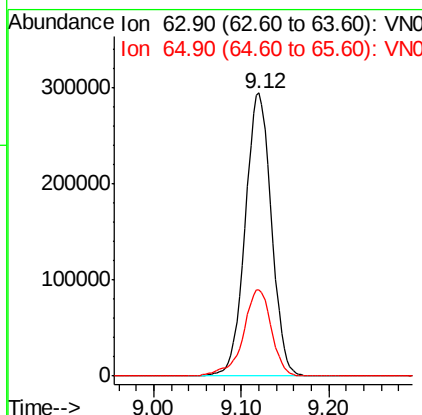
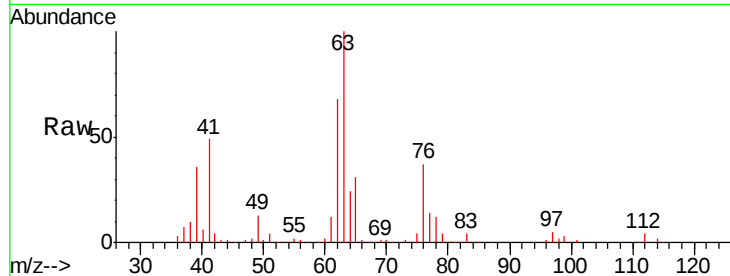
#45
 1,2-Dichloropropane
 Concen: 48.292 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN052577.D
 Acq: 29 Nov 2018 20:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 63 Resp: 611504
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.0 37.6

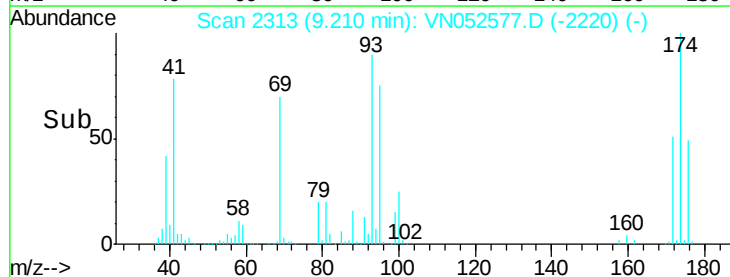
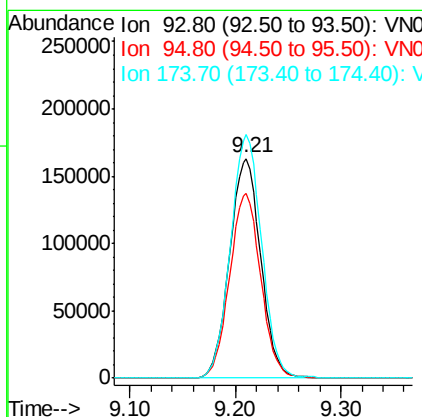
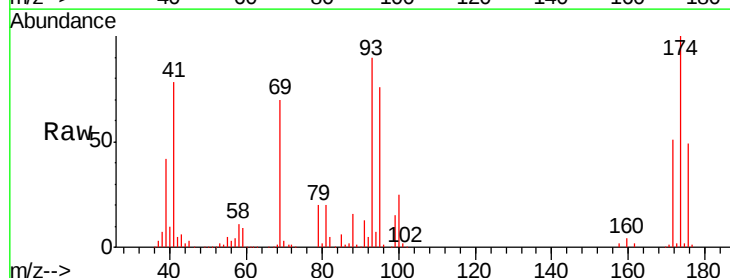
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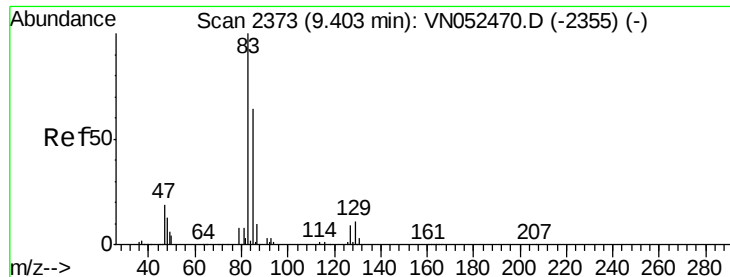
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 11/30/2018 11:11:27 AM



#46
 Dibromomethane
 Concen: 47.711 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN052577.D
 Acq: 29 Nov 2018 20:38

Tgt Ion: 93 Resp: 334448
 Ion Ratio Lower Upper
 93 100
 95 83.9 67.1 100.7
 174 110.7 85.8 128.8





#47

Bromodichloromethane

Concen: 48.370 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052577.D

Acq: 29 Nov 2018 20:38

Instrument :

MSVOA_N

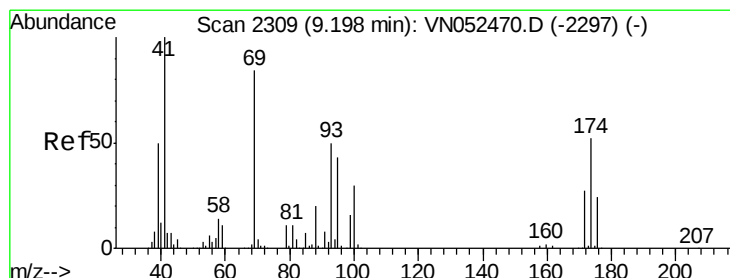
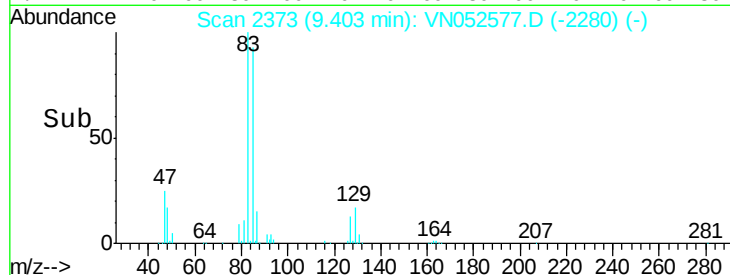
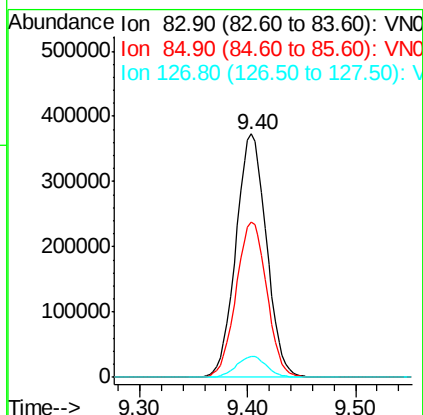
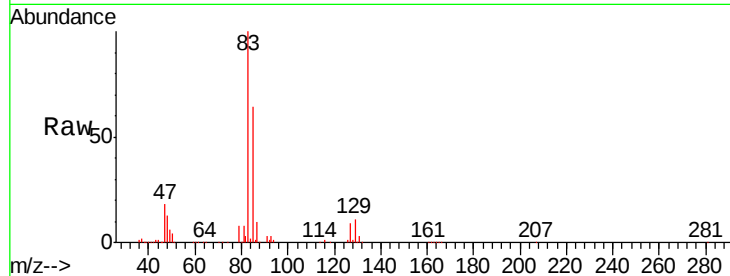
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	83	Resp:	737180
Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.3	76.9
127	8.6	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 45.431 ug/l

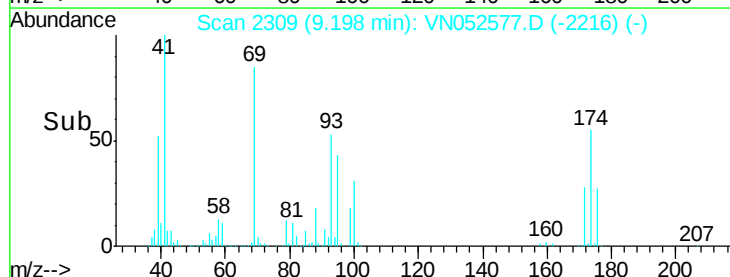
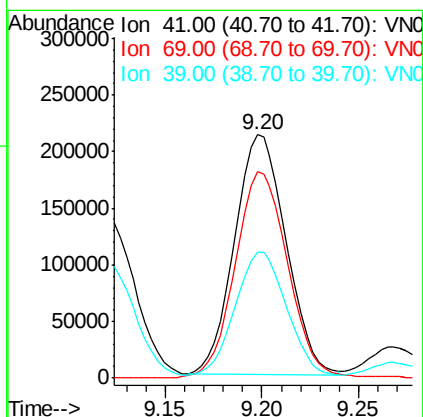
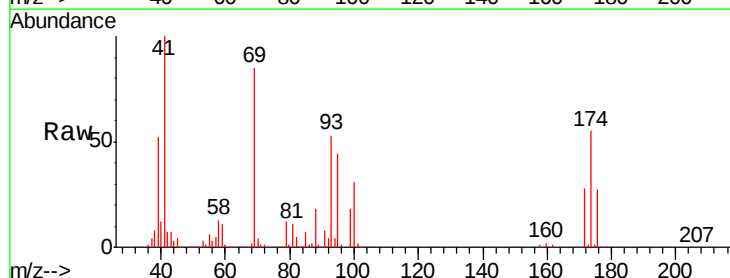
RT: 9.20 min Scan# 2309

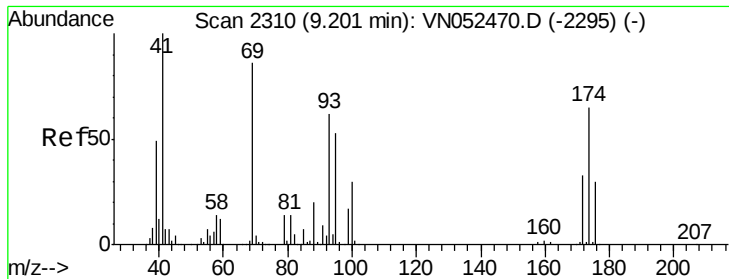
Delta R.T. -0.00 min

Lab File: VN052577.D

Acq: 29 Nov 2018 20:38

Tgt Ion:	41	Resp:	391007
Ion	Ratio	Lower	Upper
41	100		
69	88.7	70.0	105.0
39	53.7	42.6	64.0





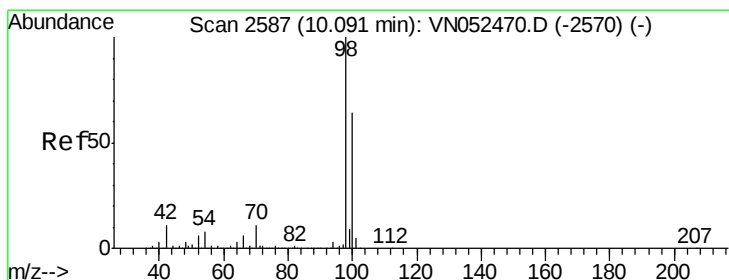
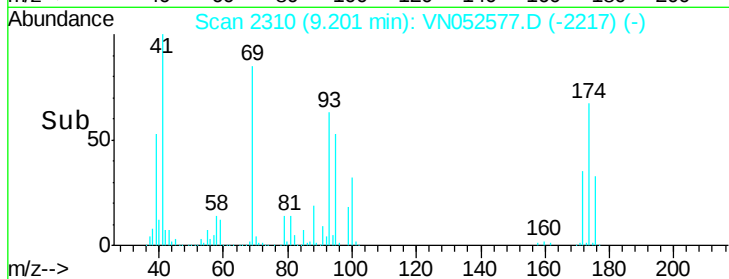
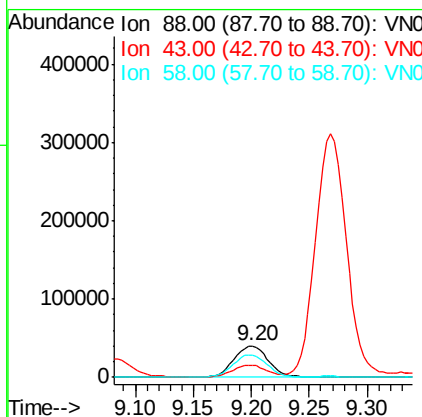
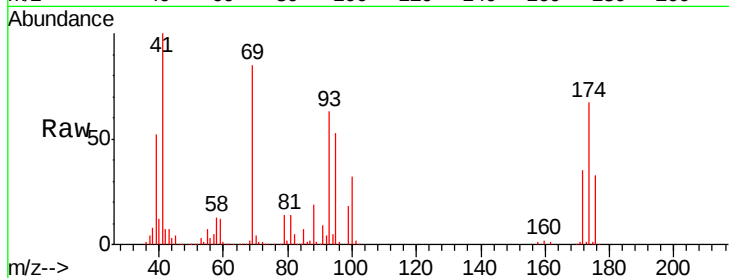
#49
1,4-Dioxane
Concen: 938.269 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN052577.D
Acq: 29 Nov 2018 20:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
88	100		
43	34.4	26.4	39.6
58	71.3	55.4	83.0

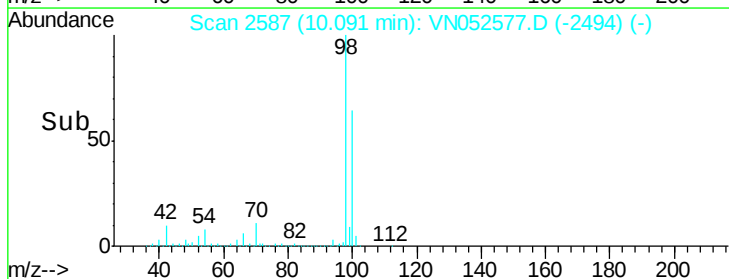
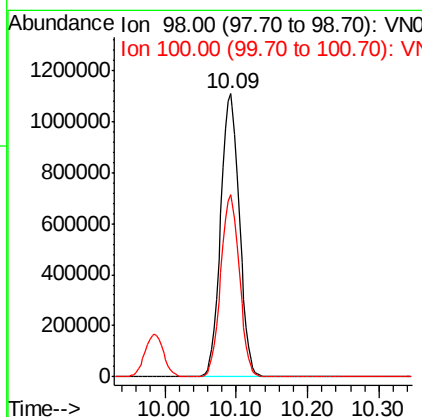
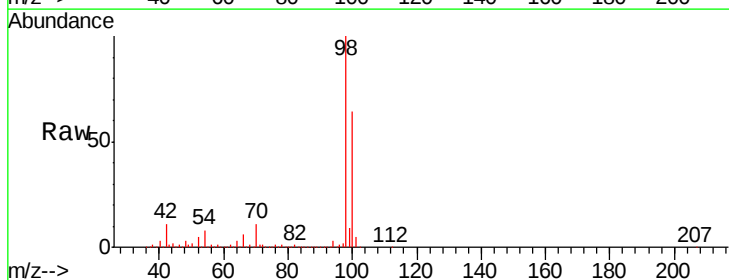
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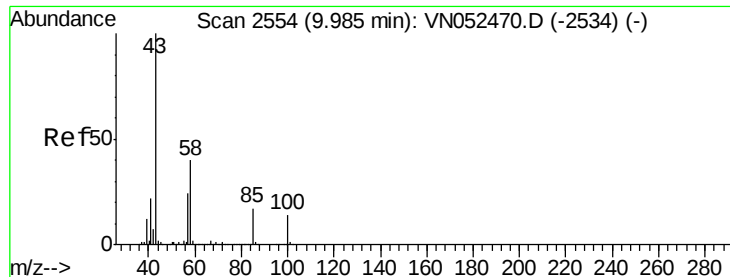
MMDadoda
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#50
Toluene-d8
Concen: 938.269 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052577.D
Acq: 29 Nov 2018 20:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.3	76.9





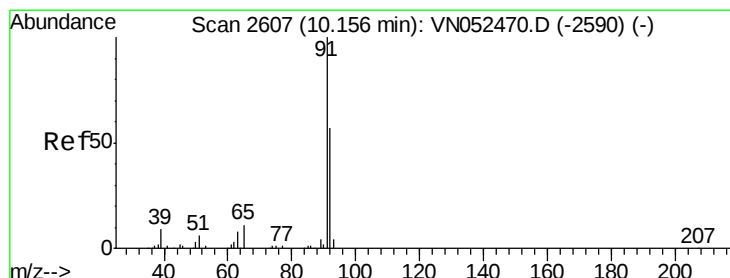
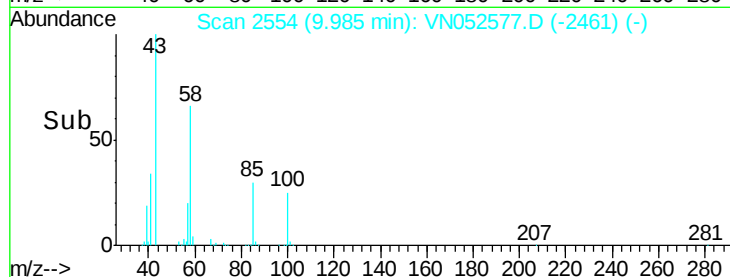
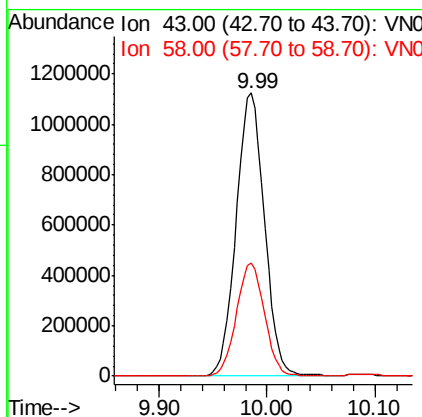
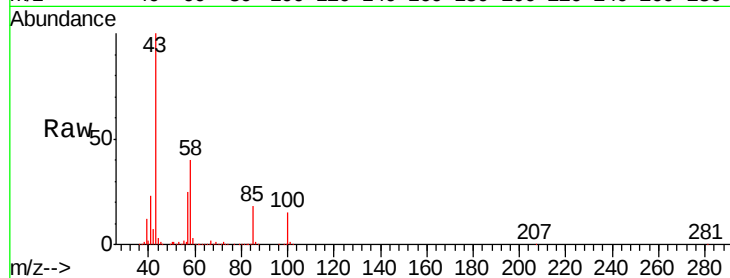
#51
 4-Methyl-2-Pentanone
 Concen: 221.872 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN052577.D
 Acq: 29 Nov 2018 20:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 2054743
 Ion Ratio Lower Upper
 43 100
 58 39.8 31.5 47.3

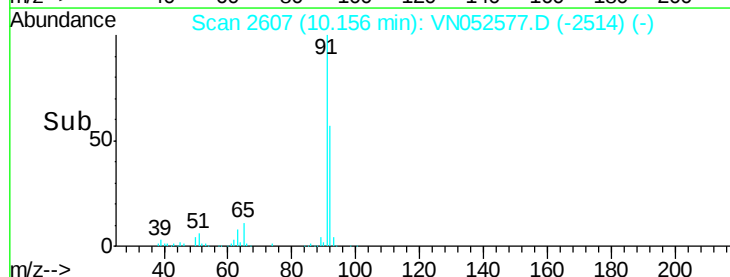
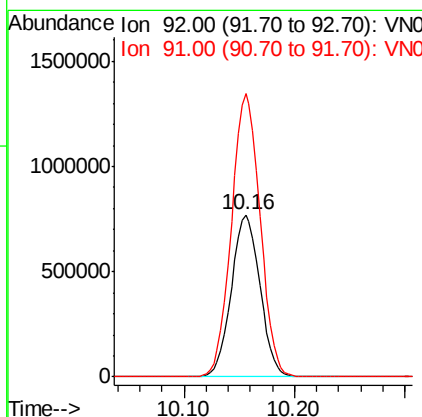
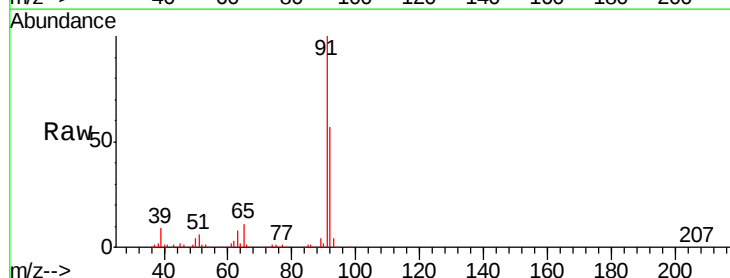
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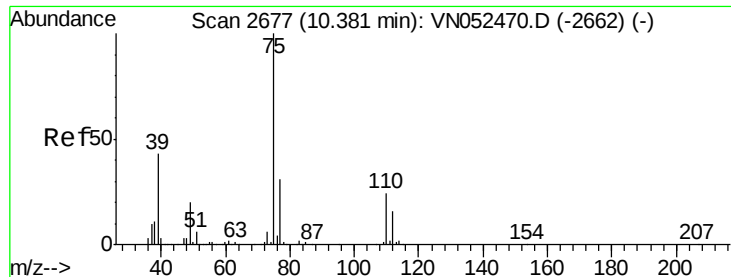
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#52
 Toluene
 Concen: 48.921 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN052577.D
 Acq: 29 Nov 2018 20:38

Tgt Ion: 92 Resp: 1384380
 Ion Ratio Lower Upper
 92 100
 91 175.5 141.0 211.4





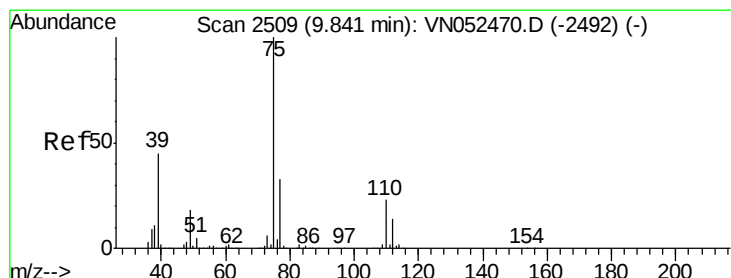
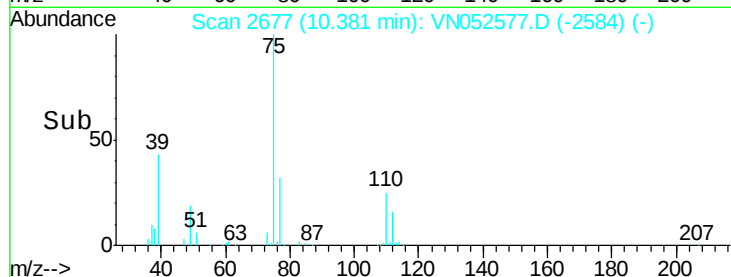
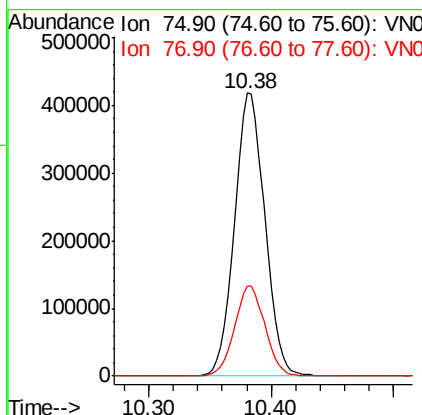
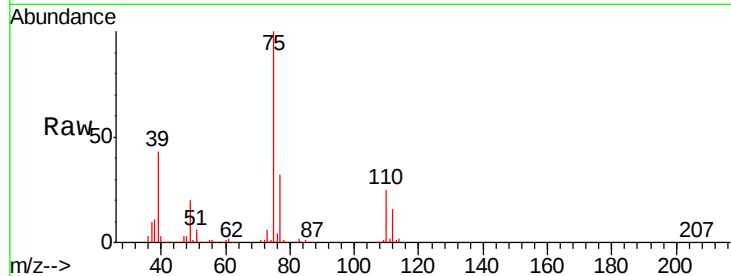
#53
t-1,3-Dichloropropene
Concen: 49.162 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052577.D
Acq: 29 Nov 2018 20:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 720805
Ion Ratio Lower Upper
75 100
77 31.7 25.0 37.4

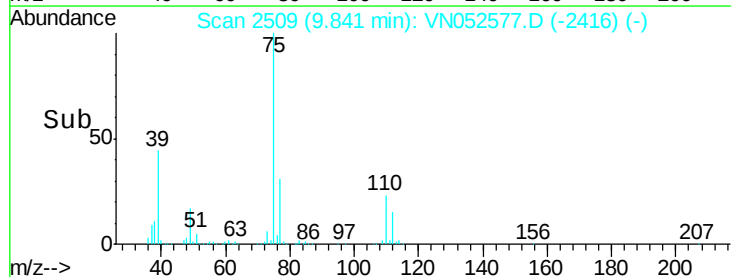
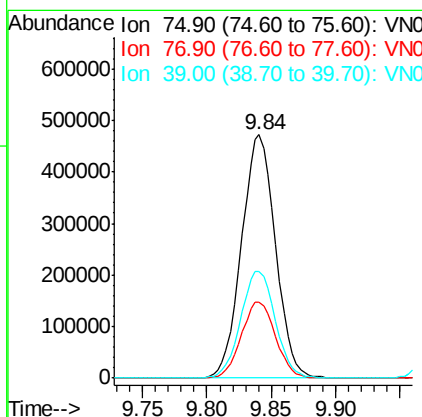
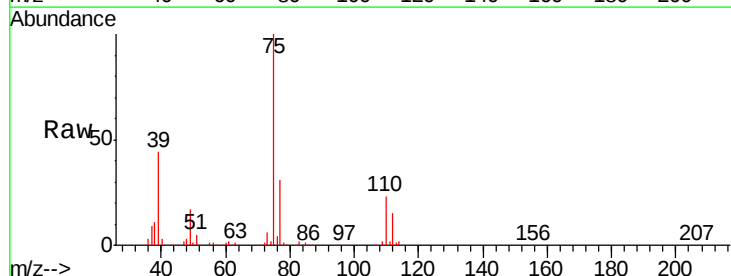
Manual Integrations
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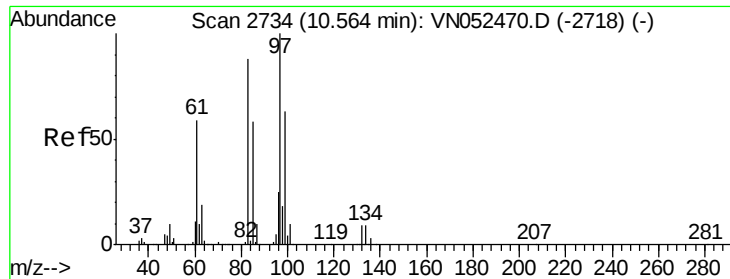
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11/30/2018 11:11:27 AM



#54
cis-1,3-Dichloropropene
Concen: 49.278 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN052577.D
Acq: 29 Nov 2018 20:38

Tgt Ion: 75 Resp: 865820
Ion Ratio Lower Upper
75 100
77 31.4 26.2 39.2
39 44.0 36.0 54.0





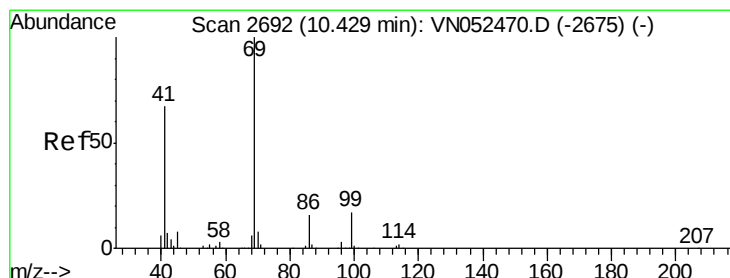
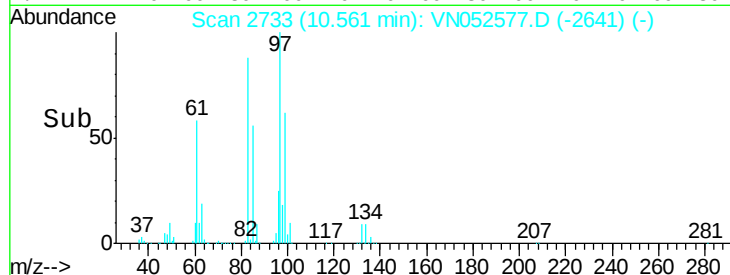
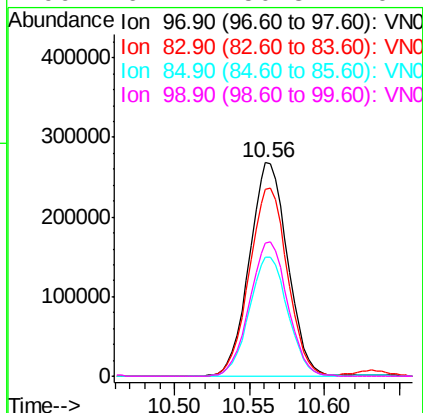
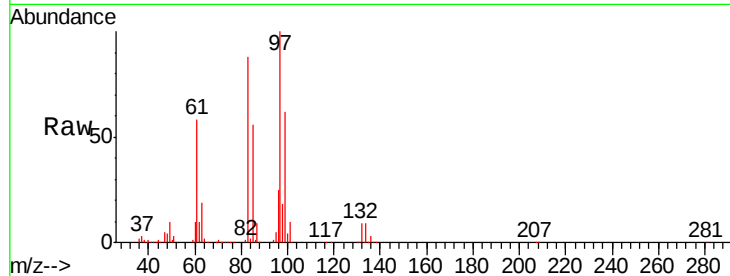
#55
 1,1,2-Trichloroethane
 Concen: 47.869 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052577.D
 Acq: 29 Nov 2018 20:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.7	70.7	106.1
85	56.0	46.1	69.1
99	62.1	50.8	76.2

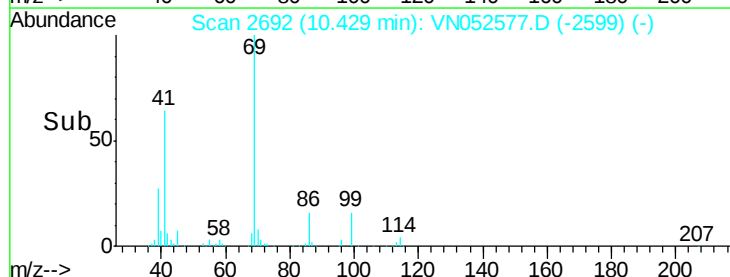
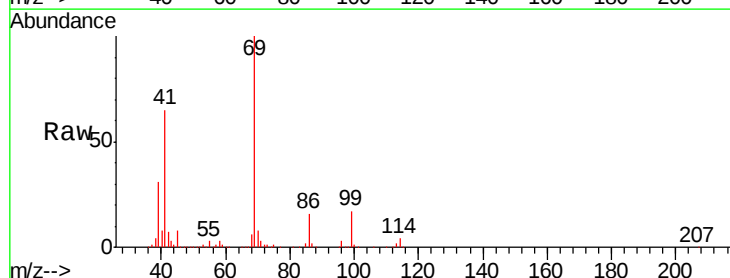
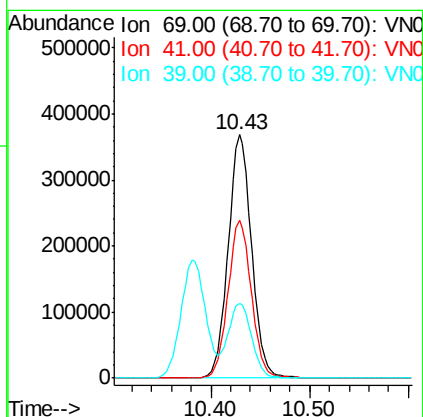
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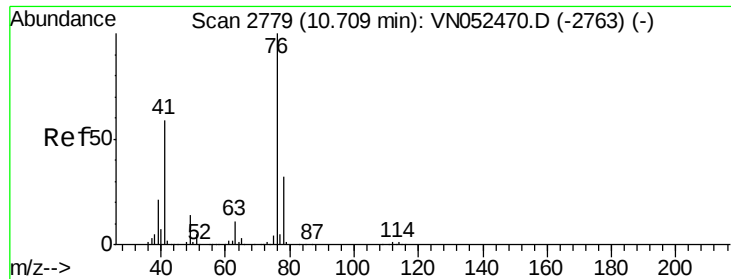
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#56
 Ethyl methacrylate
 Concen: 44.540 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052577.D
 Acq: 29 Nov 2018 20:38

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.8	52.6	79.0
39	31.5	25.9	38.9





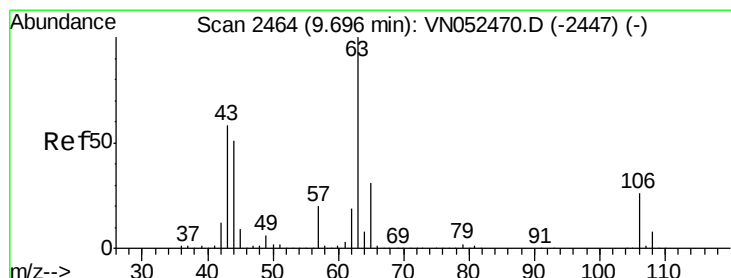
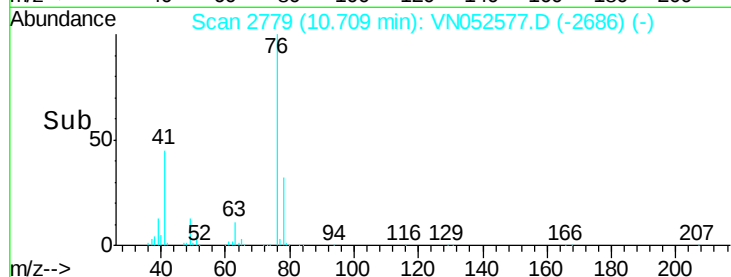
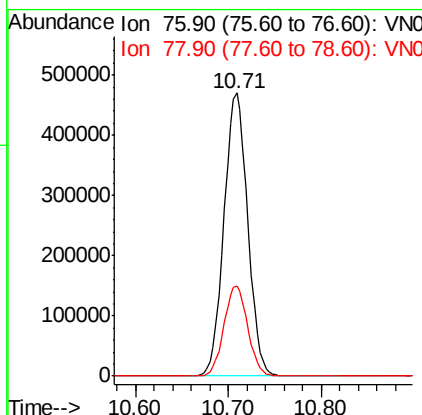
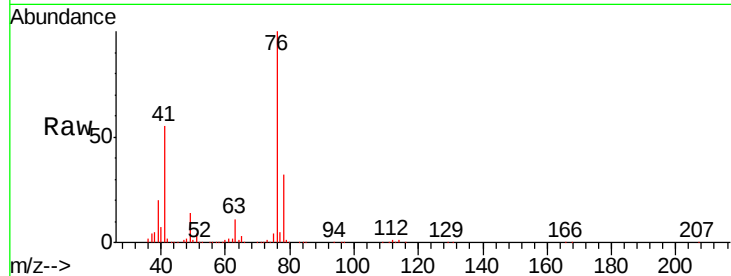
#57
 1,3-Dichloropropane
 Concen: 47.348 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN052577.D
 Acq: 29 Nov 2018 20:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 832181
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.6 38.4

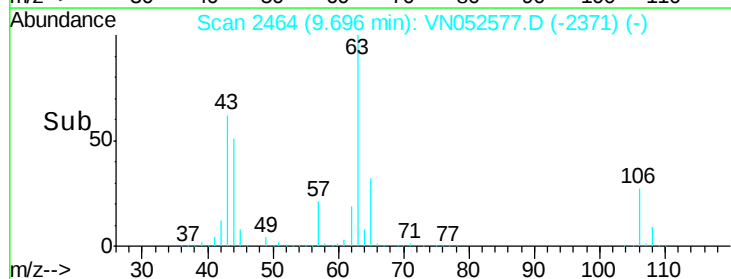
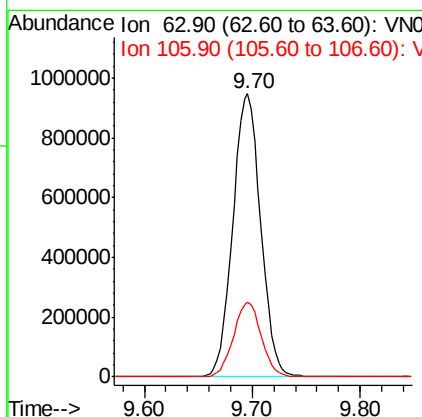
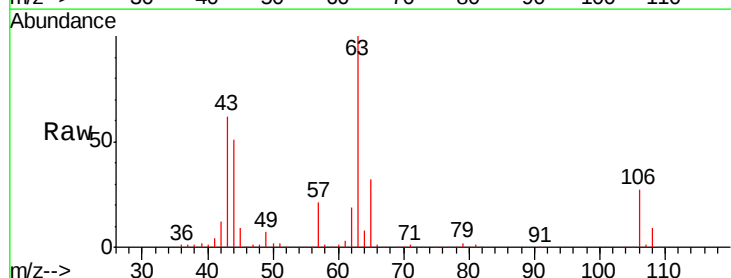
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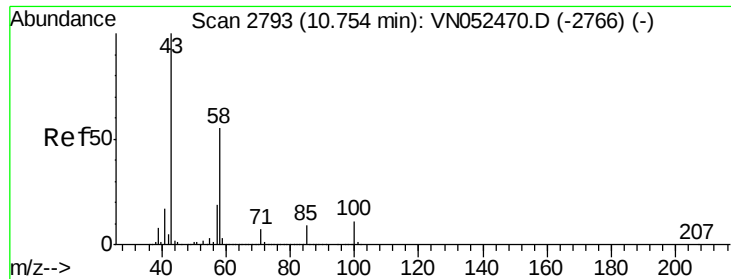
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#58
 2-Chloroethyl Vinyl ether
 Concen: 235.831 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN052577.D
 Acq: 29 Nov 2018 20:38

Tgt Ion: 63 Resp: 1703371
 Ion Ratio Lower Upper
 63 100
 106 26.4 20.6 30.8





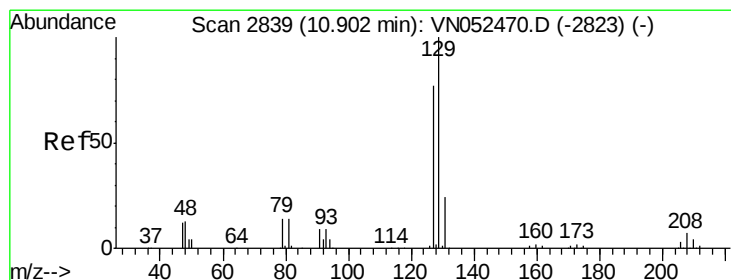
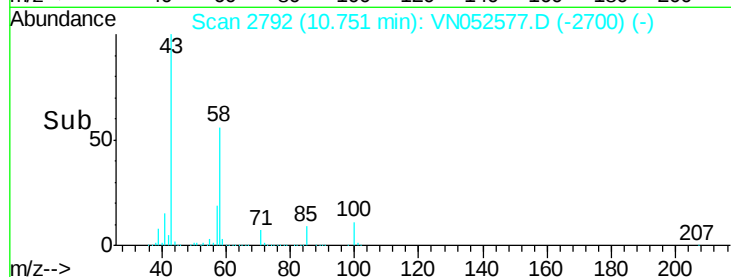
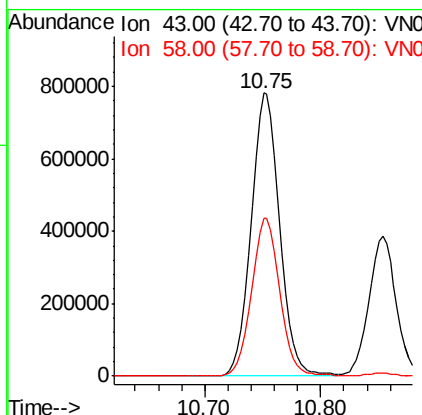
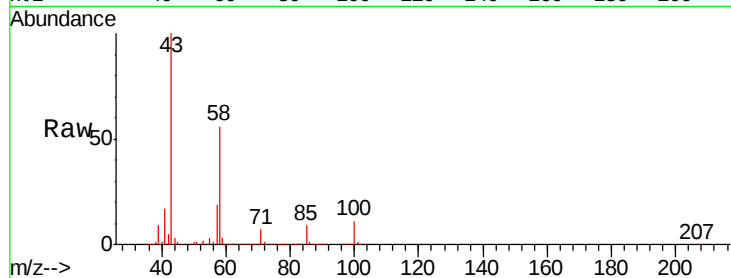
#59
2-Hexanone
Concen: 215.692 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052577.D
Acq: 29 Nov 2018 20:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1340634
Ion Ratio Lower Upper
43 100
58 55.6 27.4 82.0

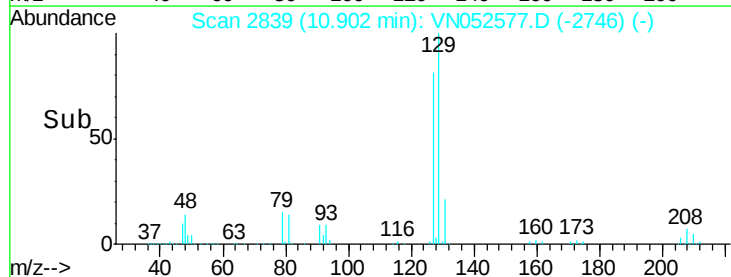
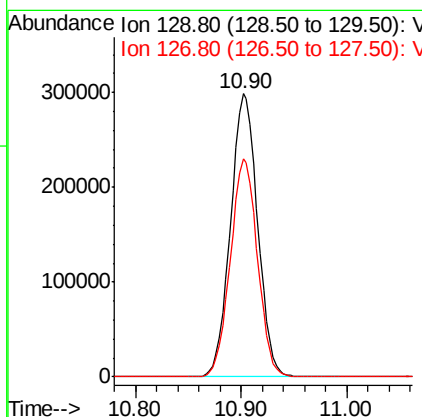
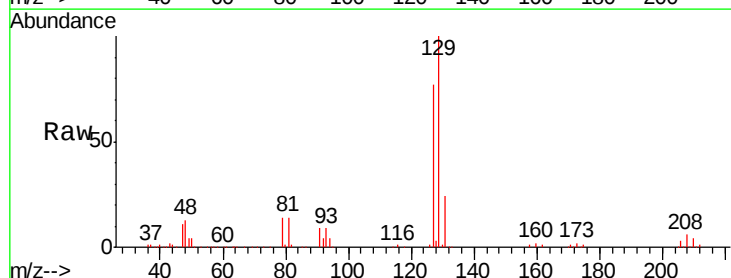
Manual Integrations
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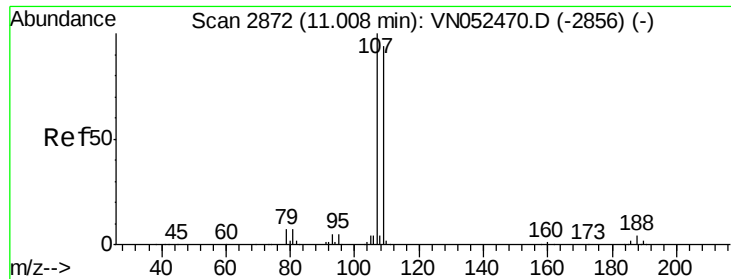
MMDadoda
11/30/2018 11:11:27 AM



#60
Dibromochloromethane
Concen: 48.973 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052577.D
Acq: 29 Nov 2018 20:38

Tgt Ion: 129 Resp: 529445
Ion Ratio Lower Upper
129 100
127 77.1 38.9 116.6





#61

1,2-Dibromoethane

Concen: 47.851 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN052577.D

Acq: 29 Nov 2018 20:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 107 Resp: 473073

Ion Ratio Lower Upper

107 100

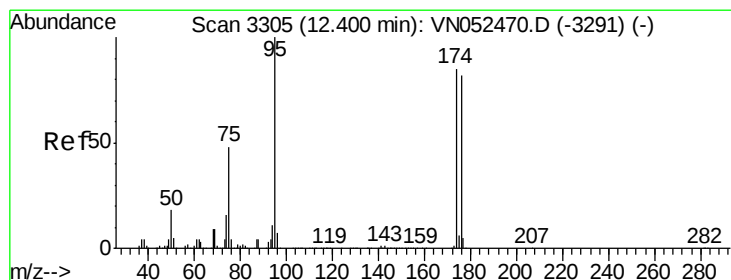
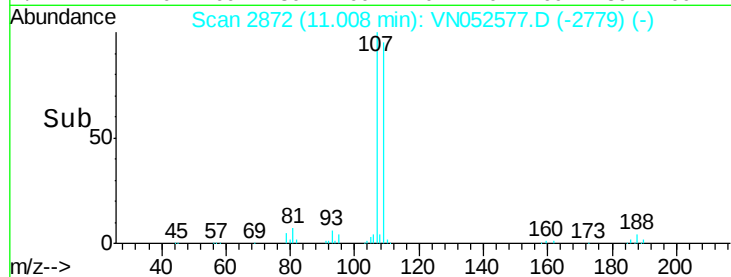
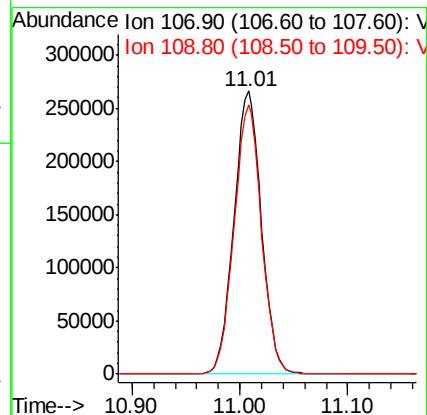
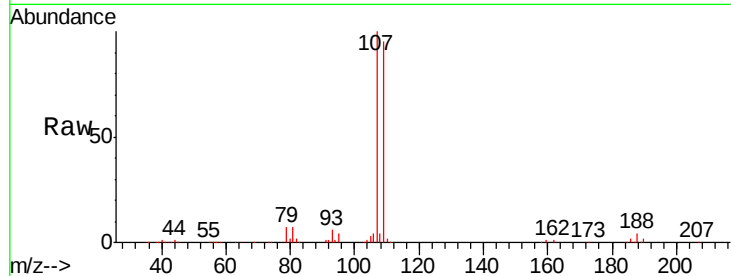
109 95.0 75.6 113.4

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#62

4-Bromofluorobenzene

Concen: 47.851 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052577.D

Acq: 29 Nov 2018 20:38

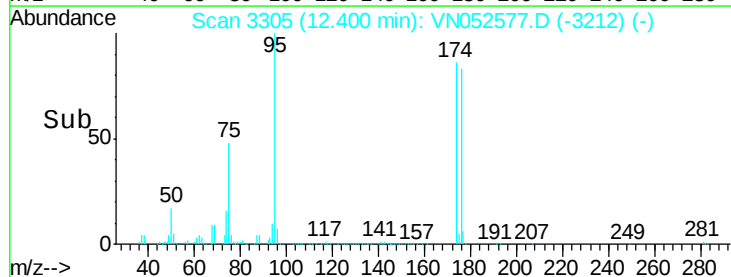
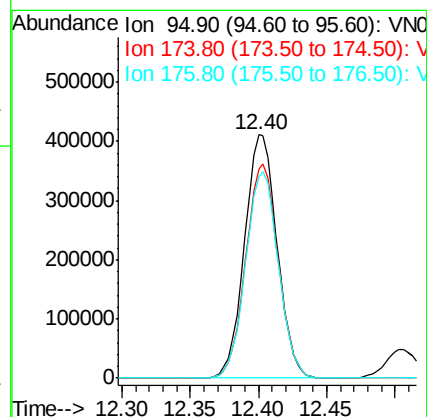
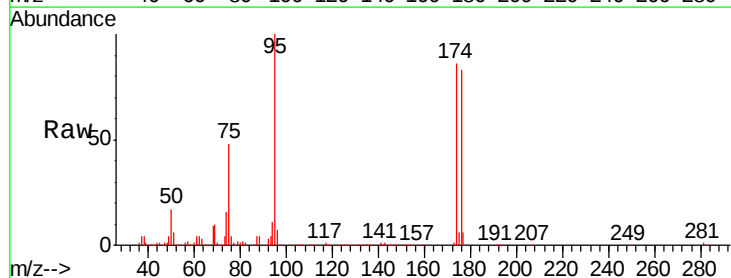
Tgt Ion: 95 Resp: 679940

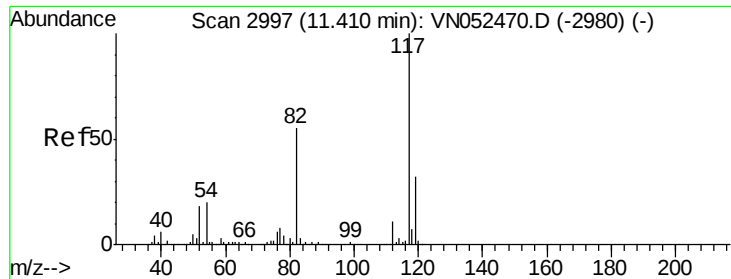
Ion Ratio Lower Upper

95 100

174 87.8 0.0 173.0

176 85.5 0.0 166.2





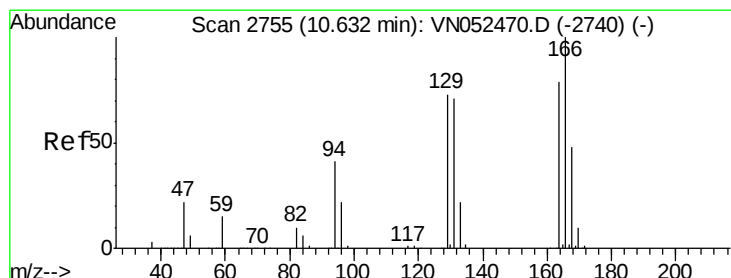
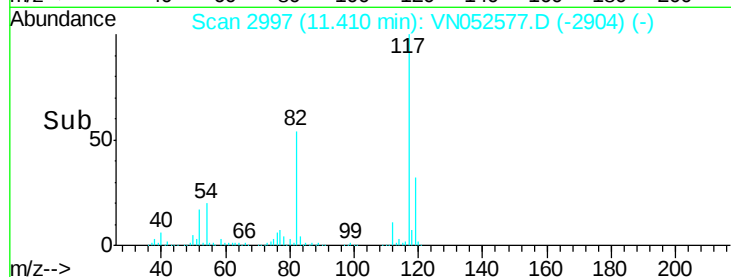
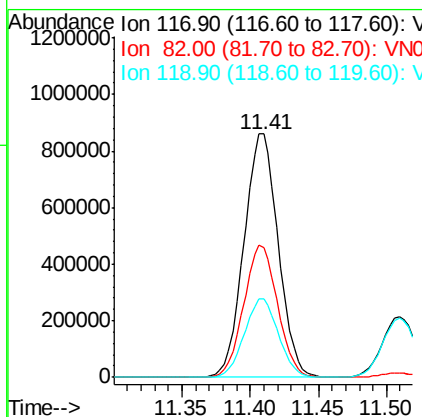
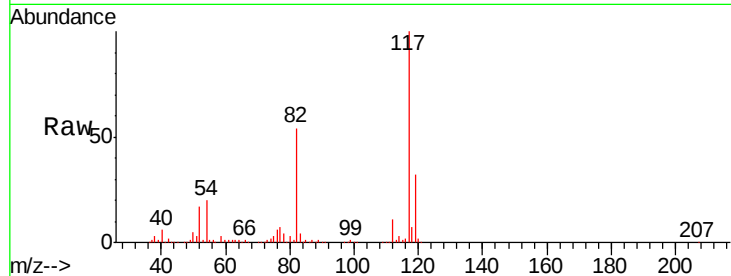
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN052577.D
Acq: 29 Nov 2018 20:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 1498398
Ion Ratio Lower Upper
117 100
82 53.5 43.6 65.4
119 32.1 25.4 38.2

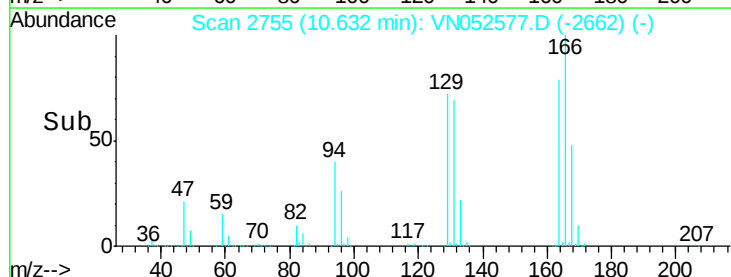
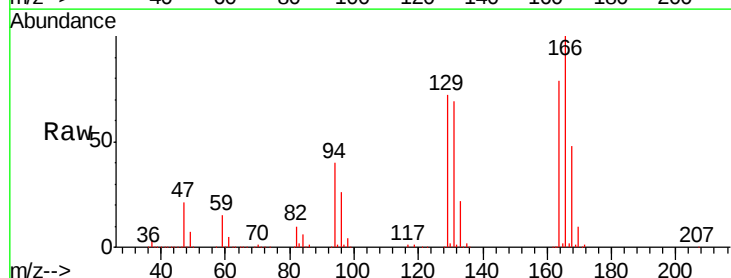
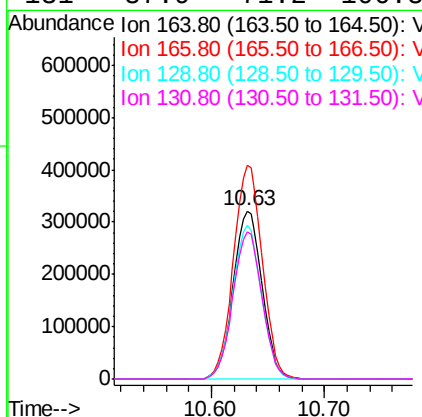
Manual Integrations
APPROVED

MMDadoda
11/30/2018 11:11:27 AM



#64
Tetrachloroethene
Concen: 49.078 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052577.D
Acq: 29 Nov 2018 20:38

Tgt Ion:164 Resp: 570170
Ion Ratio Lower Upper
164 100
166 127.4 101.0 151.4
129 91.4 73.8 110.6
131 87.9 71.2 106.8





#65

Chlorobenzene

Concen: 49.025 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN052577.D

Acq: 29 Nov 2018 20:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:112 Resp: 1514721

Ion Ratio Lower Upper

112 100

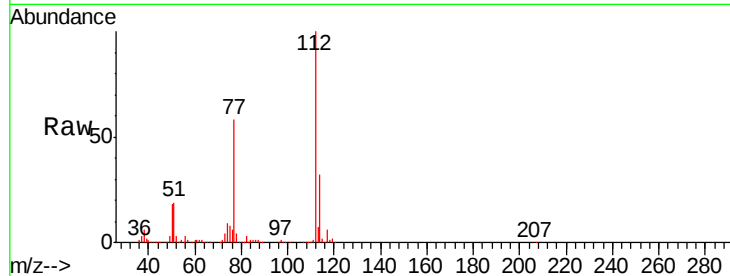
114 31.9 25.8 38.6

Manual Integrations

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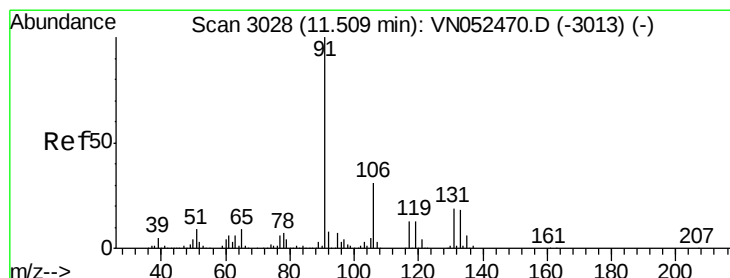
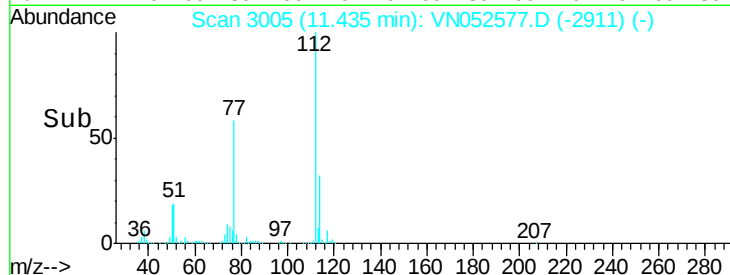
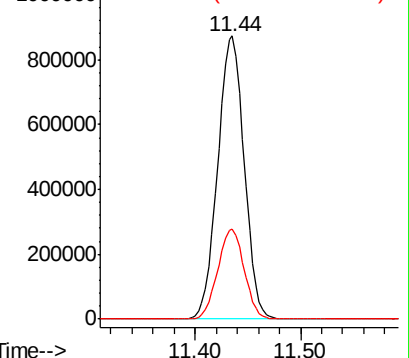
MMDadoda

11/30/2018 11:11:27 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.976 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052577.D

Acq: 29 Nov 2018 20:38

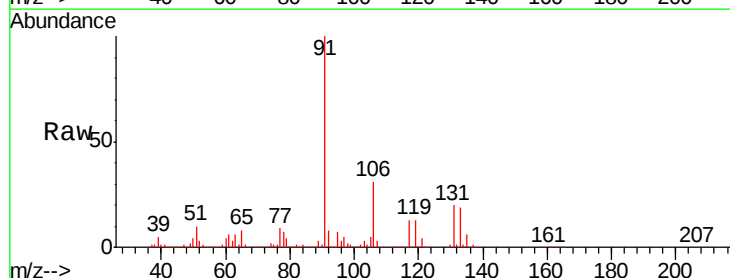
Tgt Ion:131 Resp: 536887

Ion Ratio Lower Upper

131 100

133 95.6 47.6 142.8

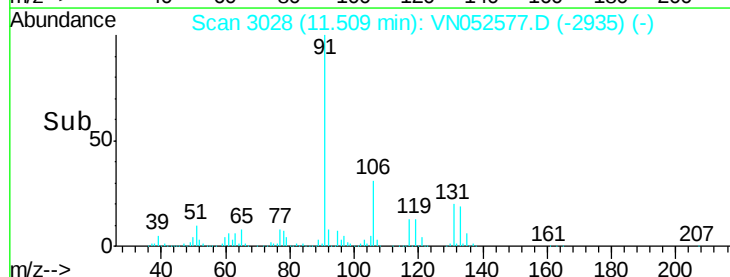
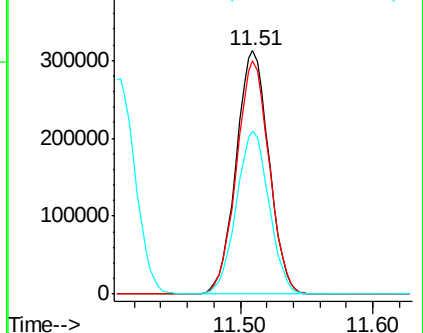
119 66.8 33.2 99.6

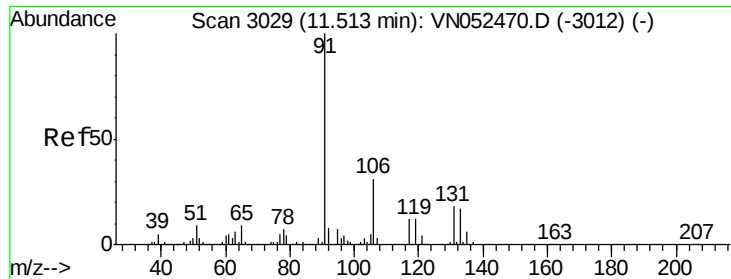


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





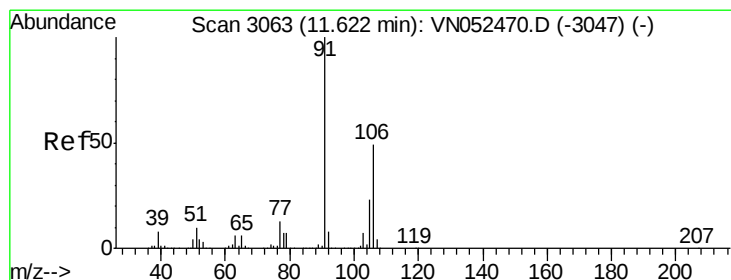
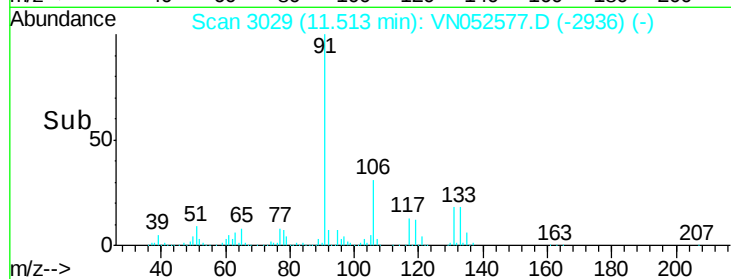
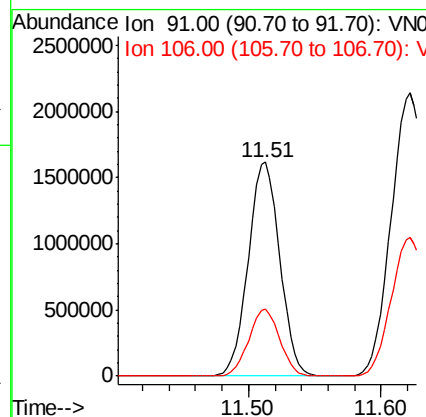
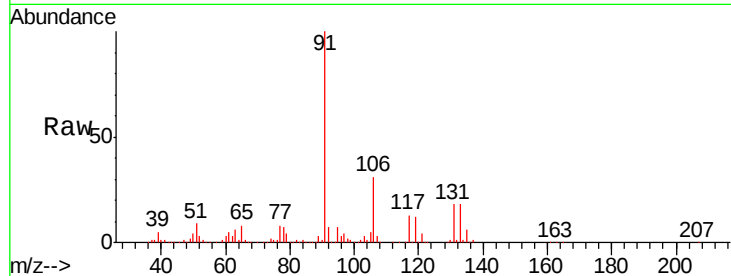
#67
Ethyl Benzene
Concen: 49.336 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN052577.D
Acq: 29 Nov 2018 20:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 2669346
Ion Ratio Lower Upper
91 100
106 31.1 24.9 37.3

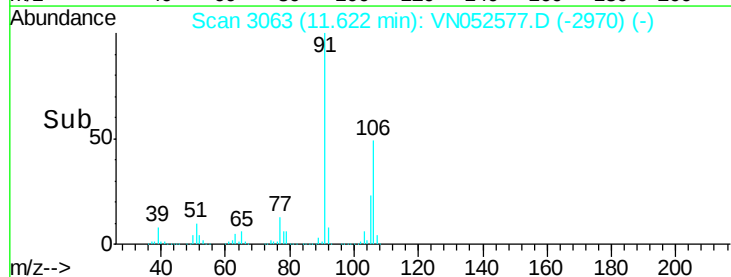
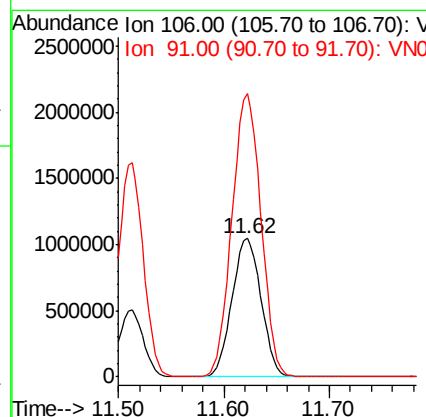
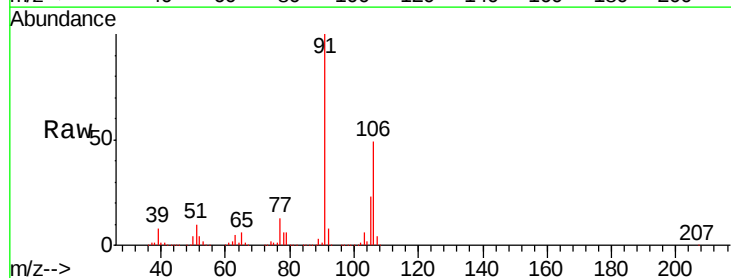
Manual Integrations
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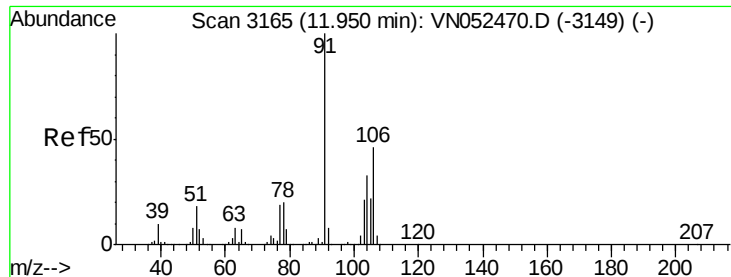
MMDadoda
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#68
m/p-Xylenes
Concen: 99.000 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052577.D
Acq: 29 Nov 2018 20:38

Tgt Ion: 106 Resp: 1994088
Ion Ratio Lower Upper
106 100
91 204.6 163.2 244.8





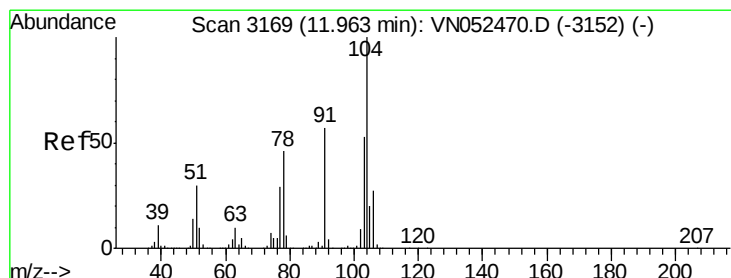
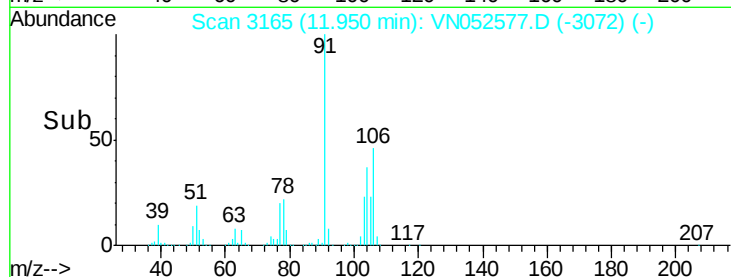
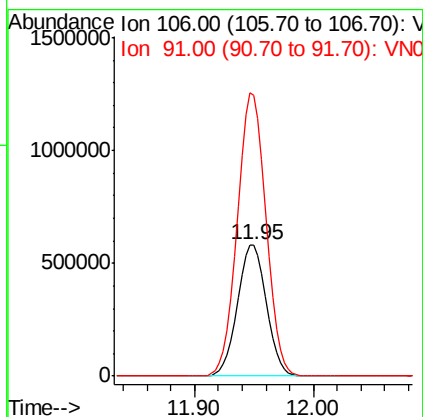
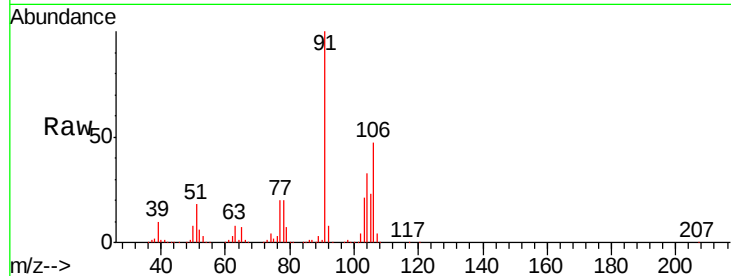
#69
o-Xylene
Concen: 50.010 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN052577.D
Acq: 29 Nov 2018 20:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 978190
Ion Ratio Lower Upper
106 100
91 213.9 107.7 323.1

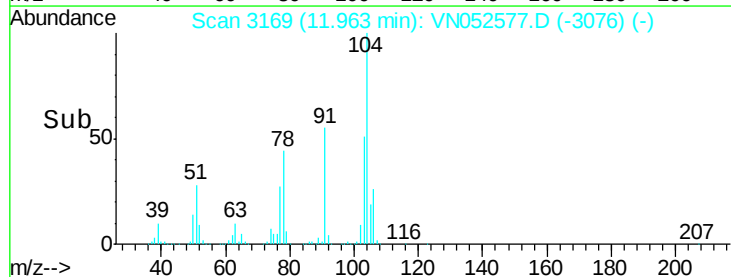
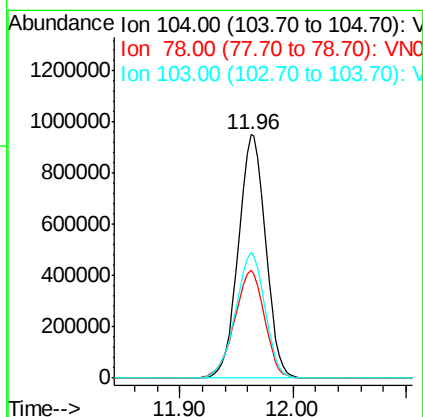
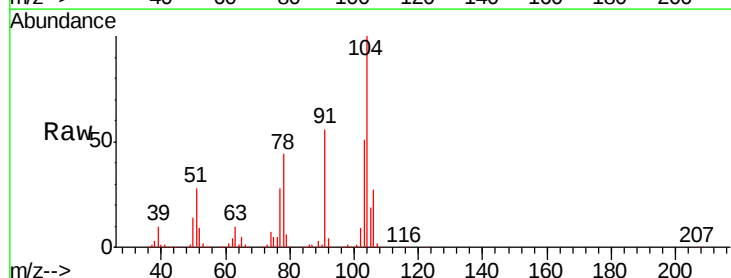
Manual Integrations
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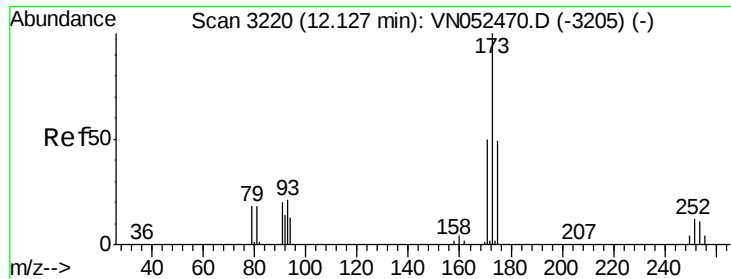
MMDadoda
11/30/2018 11:11:27 AM



#70
Styrene
Concen: 51.216 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052577.D
Acq: 29 Nov 2018 20:38

Tgt Ion:104 Resp: 1595601
Ion Ratio Lower Upper
104 100
78 48.7 39.4 59.2
103 55.6 44.9 67.3





#71

Bromoform

Concen: 48.401 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN052577.D

Acq: 29 Nov 2018 20:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:173 Resp: 344285

Ion Ratio Lower Upper

173 100

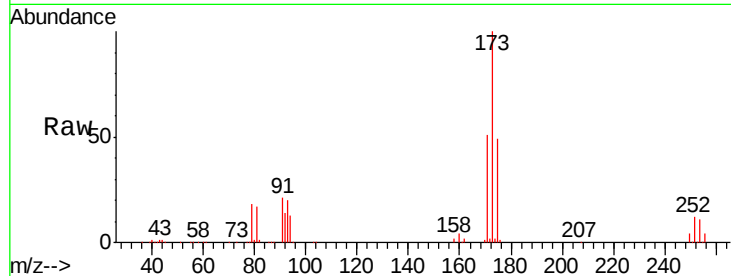
175 48.5 24.4 73.2

254 0.2 0.1 0.1#

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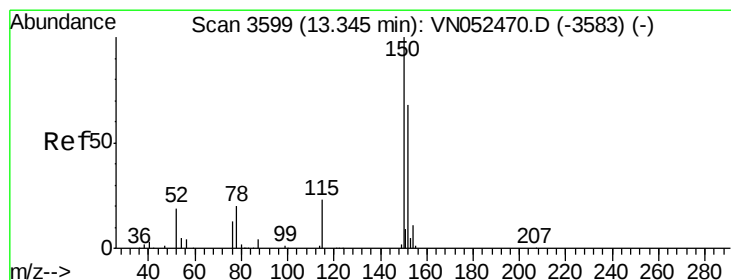
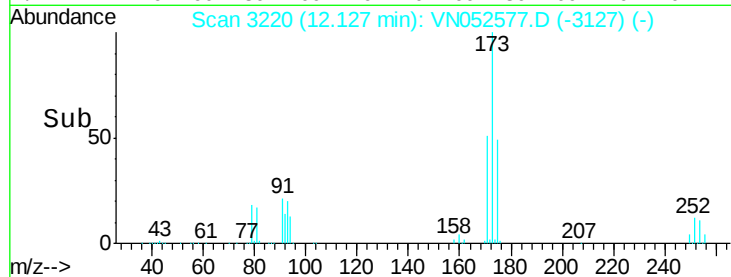
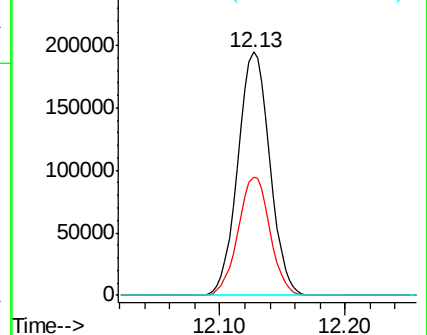
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN052577.D

Acq: 29 Nov 2018 20:38

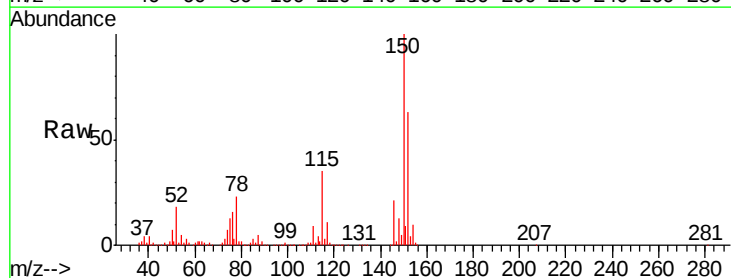
Tgt Ion:152 Resp: 687493

Ion Ratio Lower Upper

152 100

115 56.1 28.4 85.2

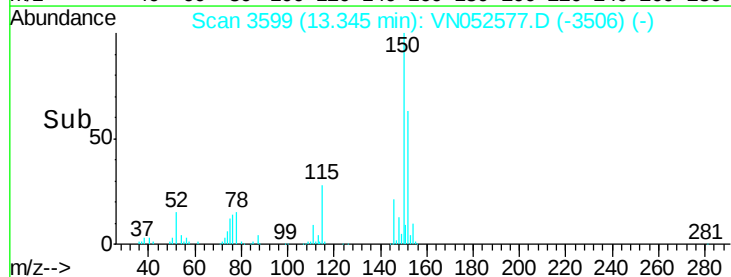
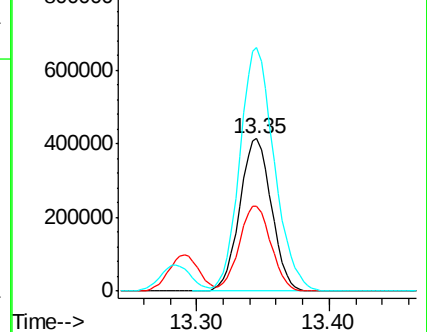
150 173.2 0.0 346.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.437 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052577.D

Acq: 29 Nov 2018 20:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 2612578

Ion Ratio Lower Upper

105 100

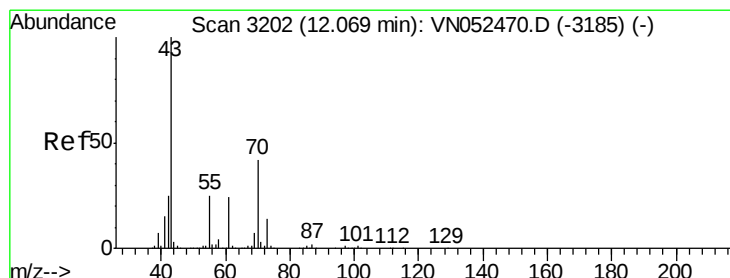
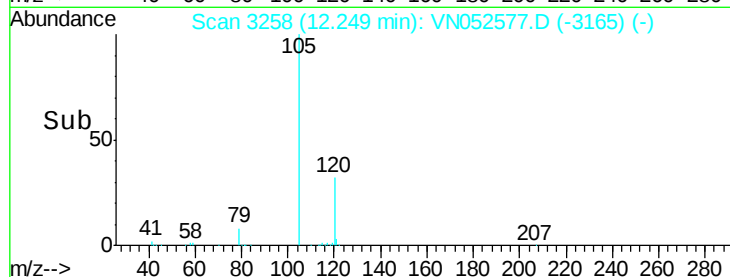
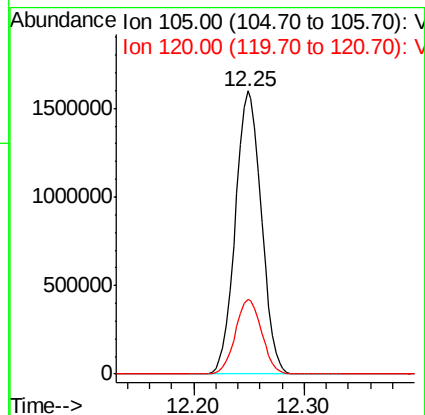
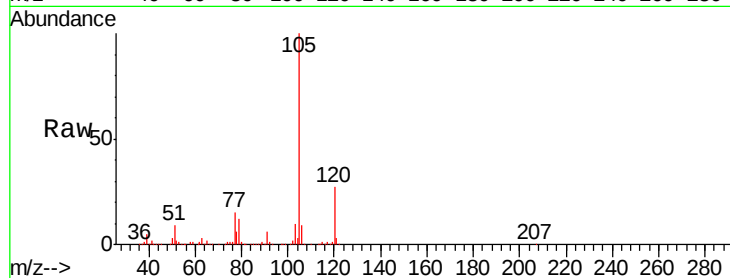
120 26.6 13.1 39.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 47.777 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052577.D

Acq: 29 Nov 2018 20:38

Tgt Ion: 43 Resp: 651049

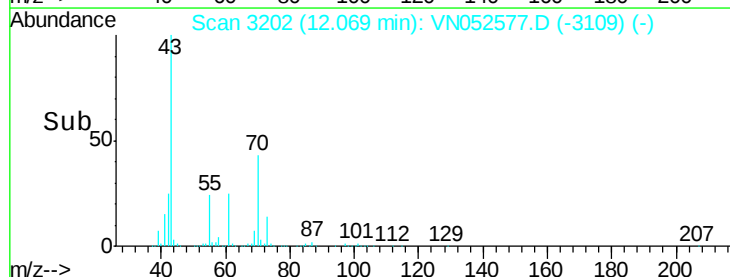
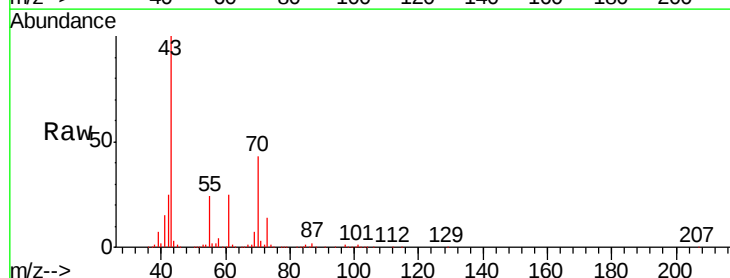
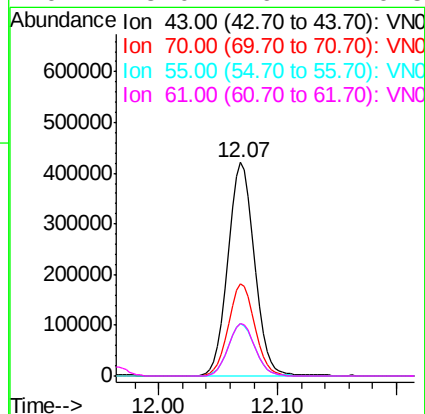
Ion Ratio Lower Upper

43 100

70 43.3 33.8 50.8

55 24.8 20.0 30.0

61 25.0 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 44.361 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN052577.D

Acq: 29 Nov 2018 20:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 544299

Ion Ratio Lower Upper

83 100

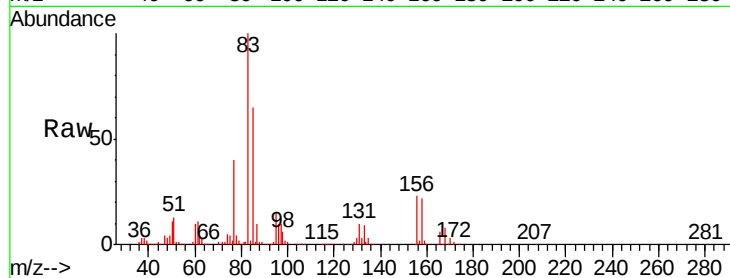
131 10.2 5.0 15.0

85 64.4 31.9 95.9

Manual Integrations
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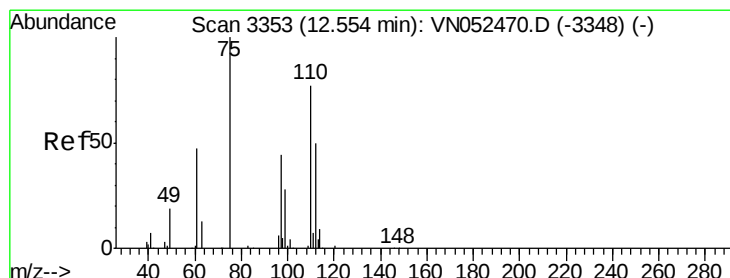
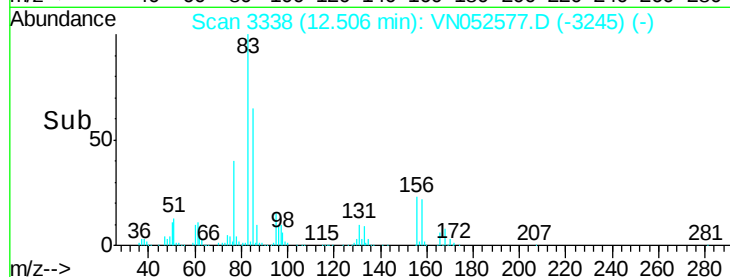
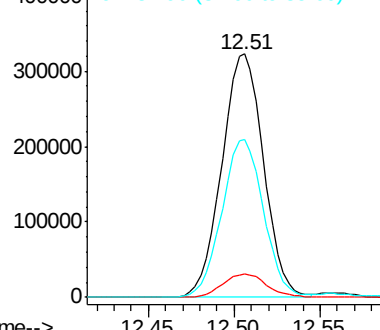
11/30/2018 11:11:27 AM



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 43.077 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN052577.D

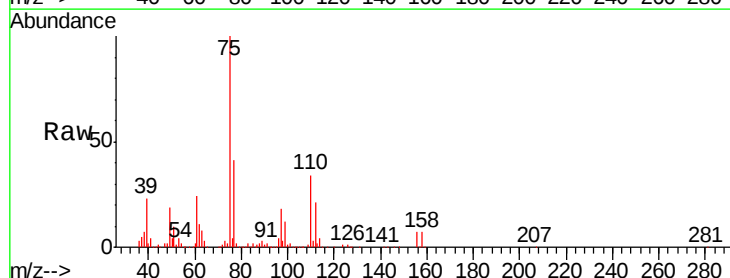
Acq: 29 Nov 2018 20:38

Tgt Ion: 75 Resp: 456679

Ion Ratio Lower Upper

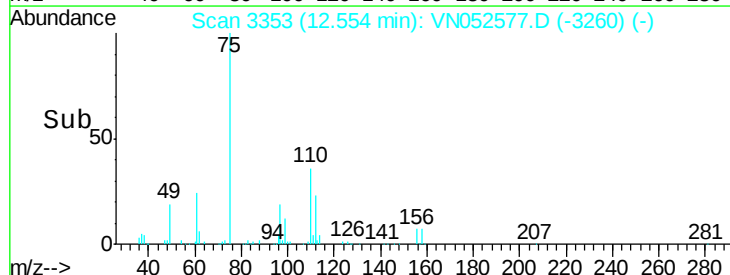
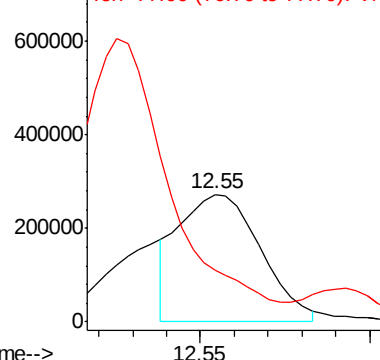
75 100

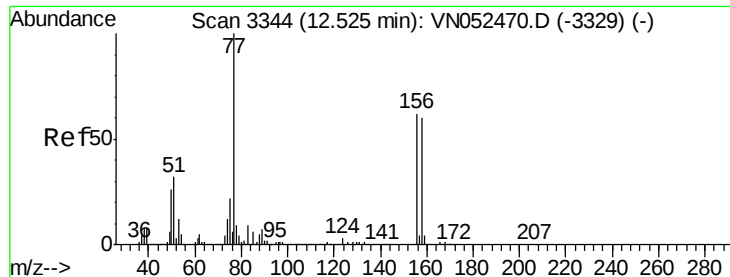
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 48.096 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052577.D

Acq: 29 Nov 2018 20:38

Instrument :

MSVOA_N

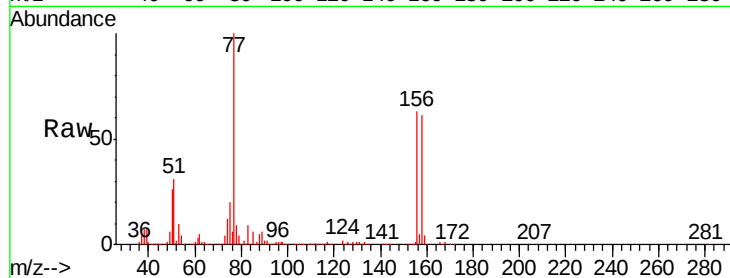
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	156	Resp:	641221
Ion Ratio	Lower	Upper	
156	100		
77	181.7	93.5	280.4
158	98.2	48.3	144.9

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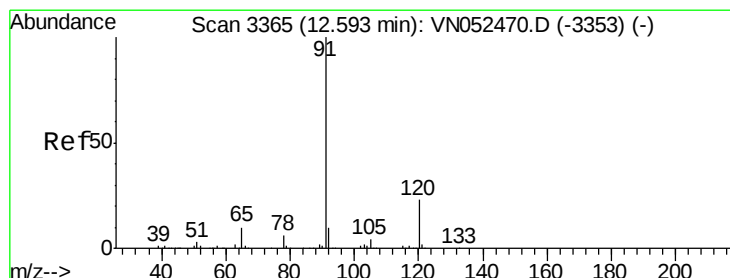
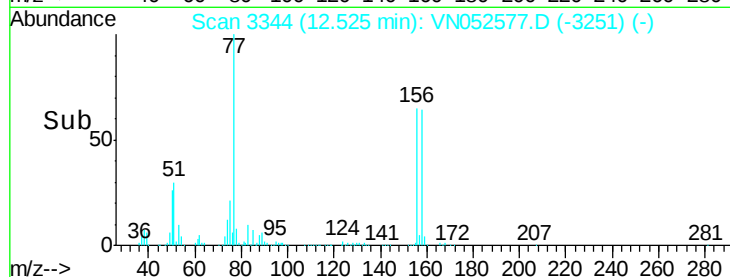
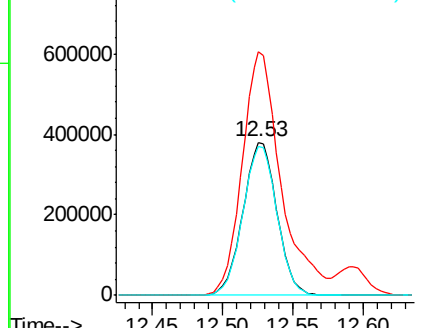
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.784 ug/l

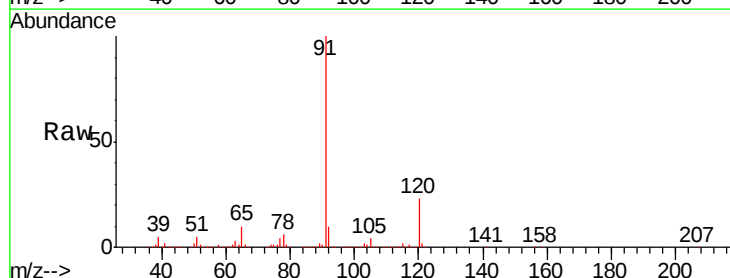
RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN052577.D

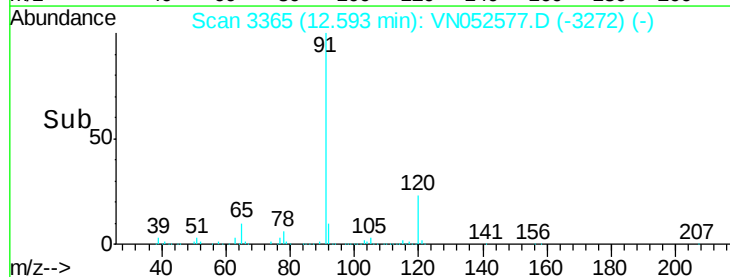
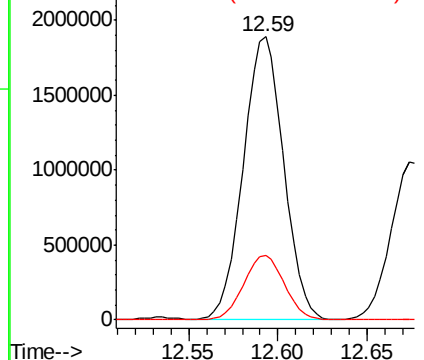
Acq: 29 Nov 2018 20:38

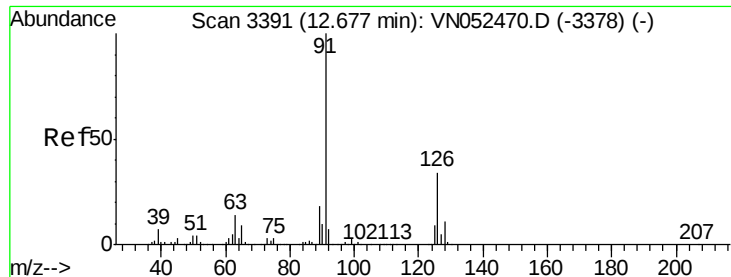
Tgt Ion:	91	Resp:	2989290
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.3	33.9



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.663 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052577.D

Acq: 29 Nov 2018 20:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 1739220

Ion Ratio Lower Upper

91 100

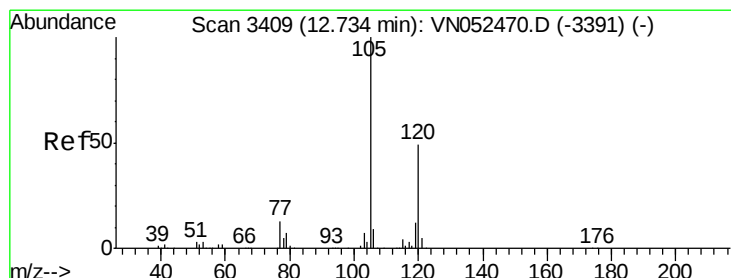
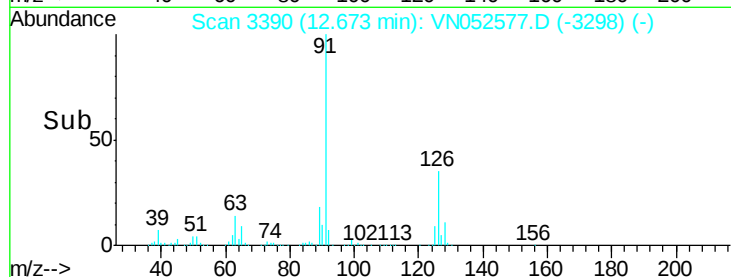
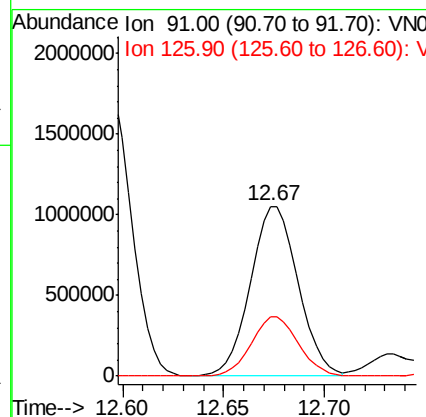
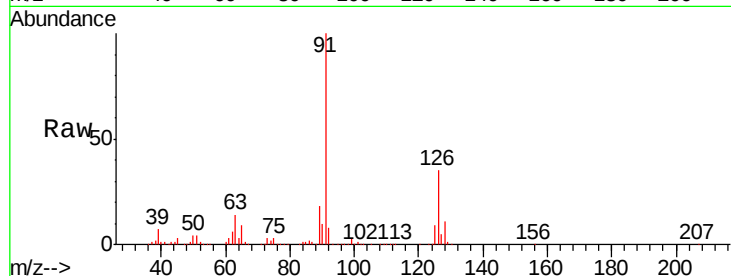
126 34.9 17.2 51.6

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#80

1,3,5-Trimethylbenzene

Concen: 49.072 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052577.D

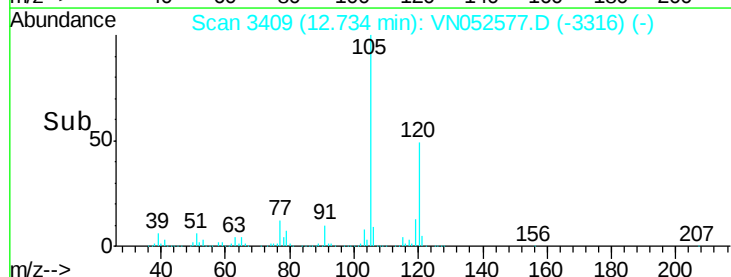
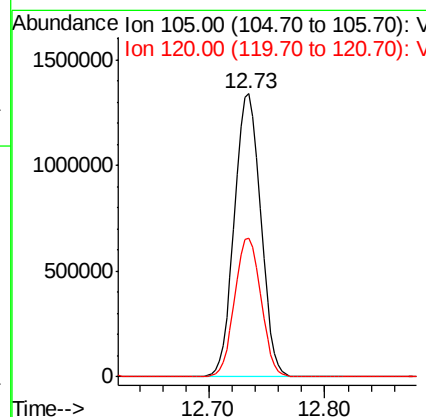
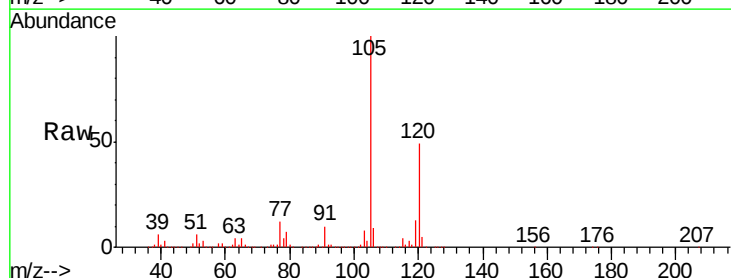
Acq: 29 Nov 2018 20:38

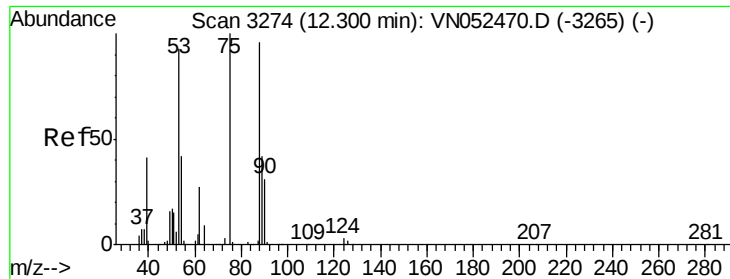
Tgt Ion: 105 Resp: 2110961

Ion Ratio Lower Upper

105 100

120 49.1 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 45.626 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052577.D

Acq: 29 Nov 2018 20:38

Instrument :

MSVOA_N

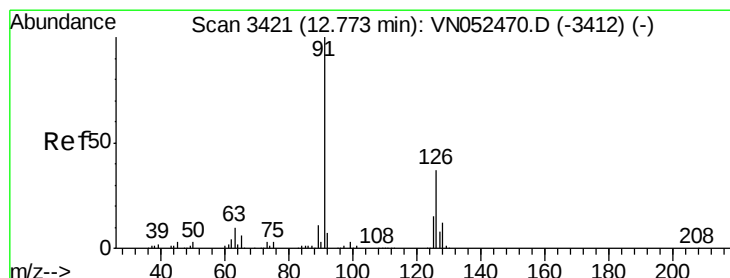
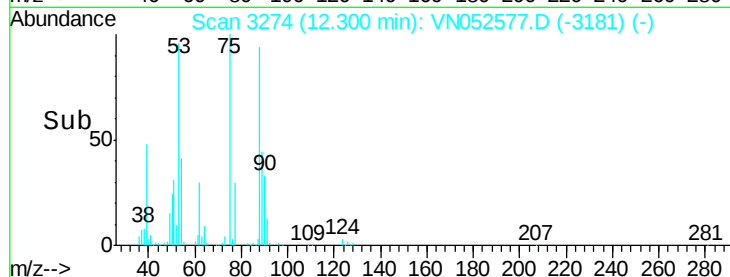
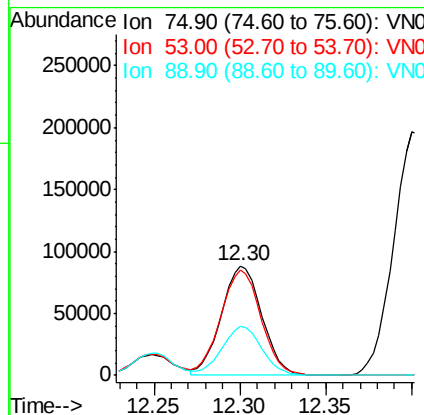
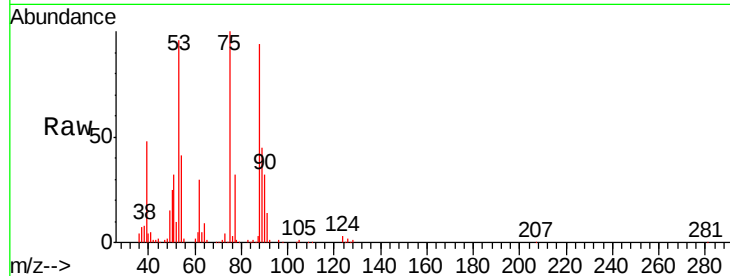
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	75	Resp:	144843
Ion	Ratio	Lower	Upper
75	100		
53	96.4	77.4	116.0
89	44.3	35.4	53.2

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#82

4-Chlorotoluene

Concen: 48.028 ug/l

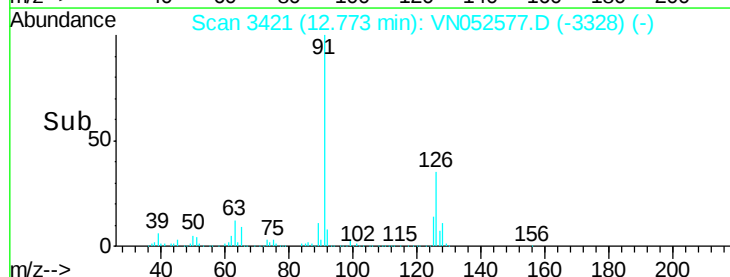
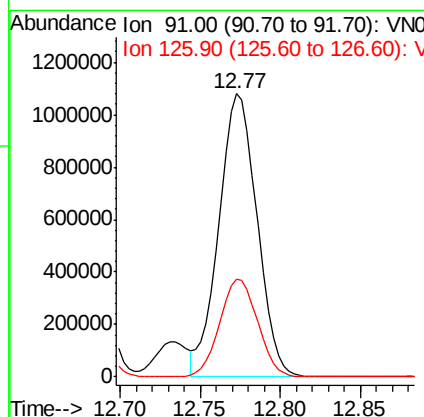
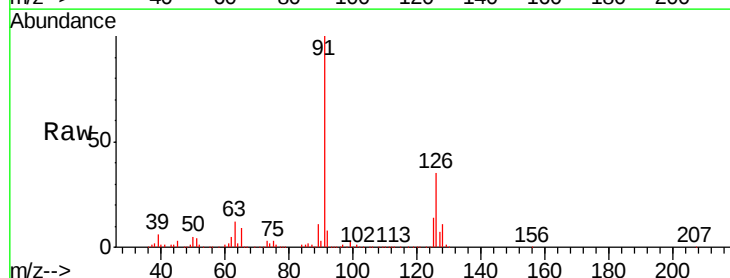
RT: 12.77 min Scan# 3421

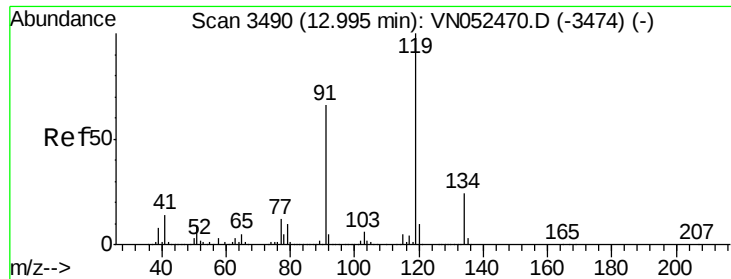
Delta R.T. -0.00 min

Lab File: VN052577.D

Acq: 29 Nov 2018 20:38

Tgt Ion:	91	Resp:	1766280
Ion	Ratio	Lower	Upper
91	100		
126	34.4	16.9	50.6





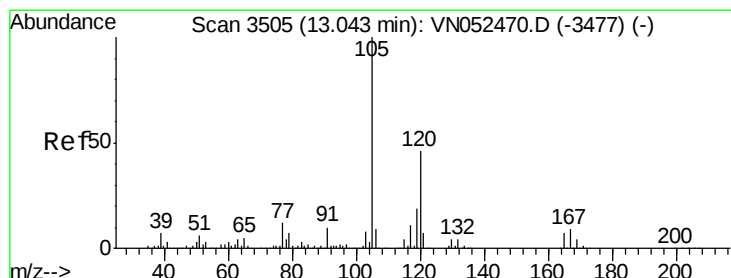
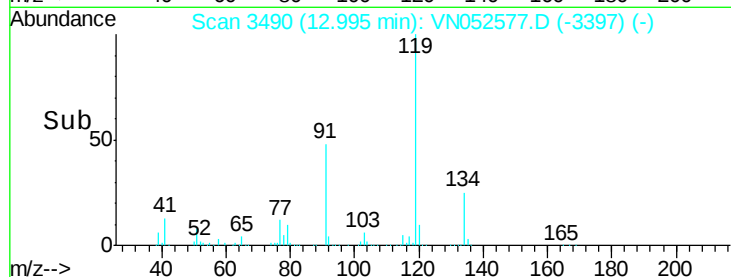
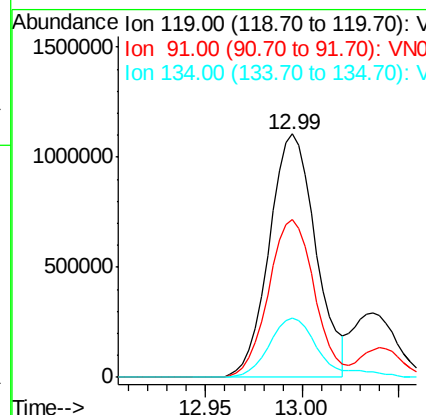
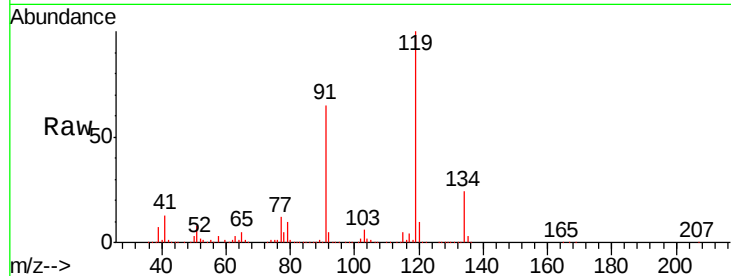
#83
 tert-Butylbenzene
 Concen: 48.244 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN052577.D
 Acq: 29 Nov 2018 20:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:119 Resp: 1850193
 Ion Ratio Lower Upper
 119 100
 91 64.1 32.3 96.9
 134 26.1 13.0 38.9

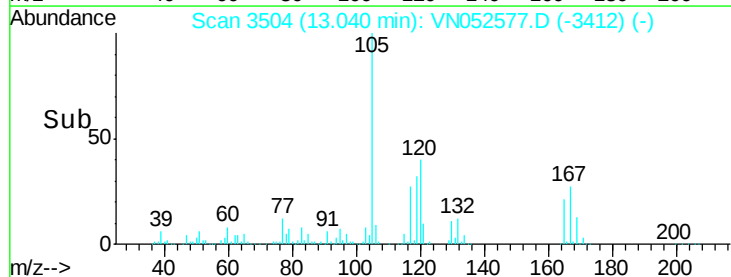
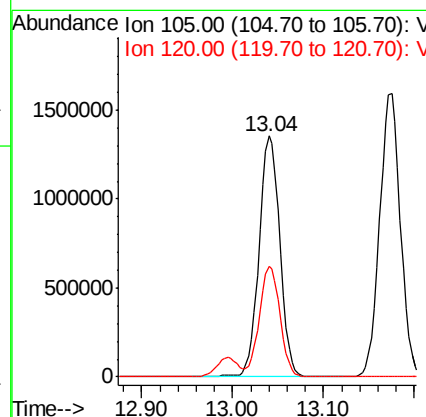
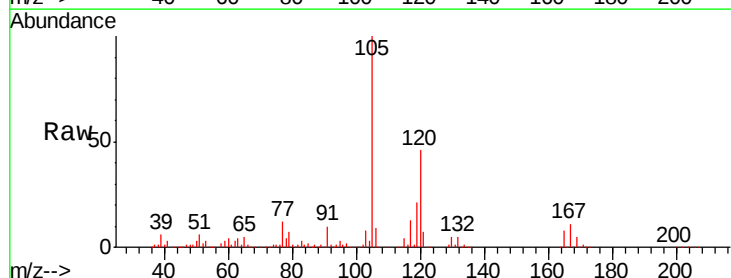
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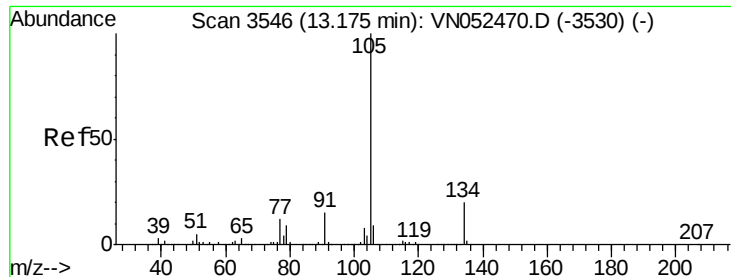
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.744 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052577.D
 Acq: 29 Nov 2018 20:38

Tgt Ion:105 Resp: 2144508
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.8 68.4





#85

sec-Butylbenzene

Concen: 48.134 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN052577.D

Acq: 29 Nov 2018 20:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:105 Resp: 2514267

Ion Ratio Lower Upper

105 100

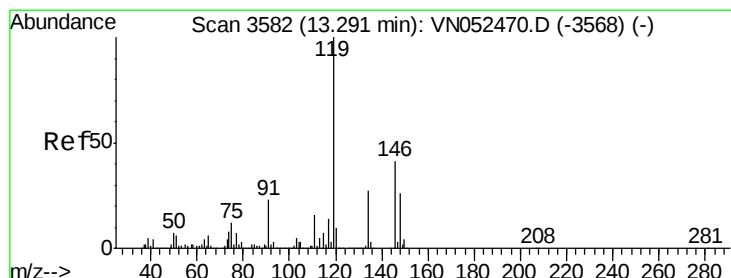
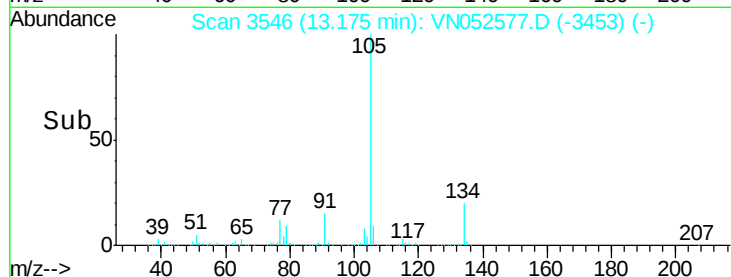
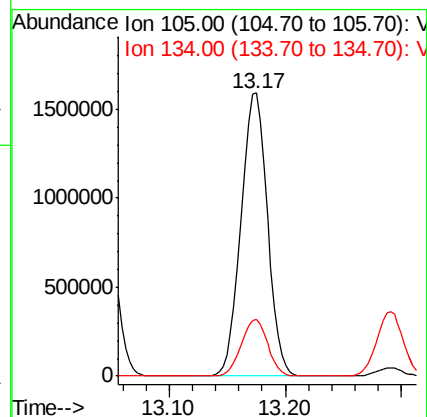
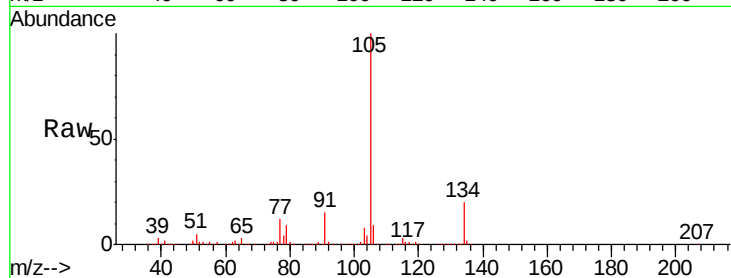
134 20.0 9.9 29.7

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#86

p-Isopropyltoluene

Concen: 48.570 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN052577.D

Acq: 29 Nov 2018 20:38

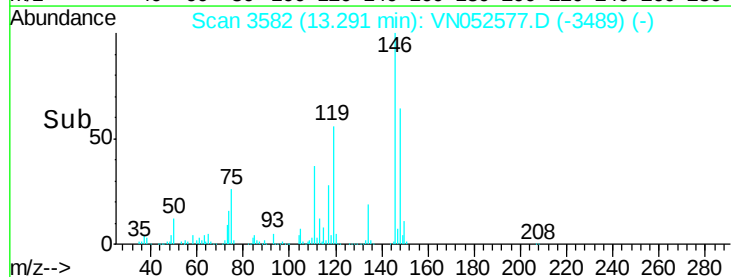
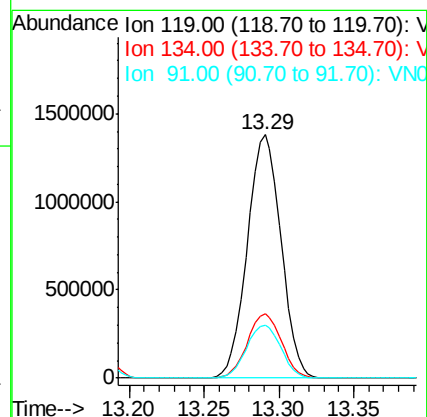
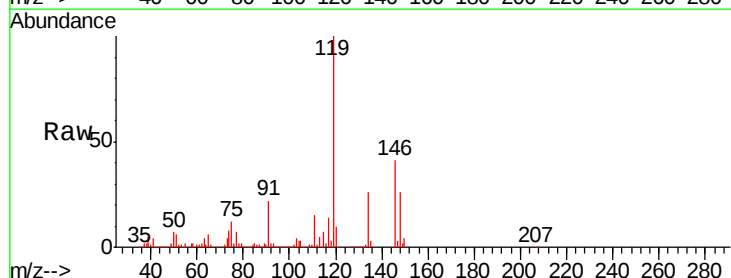
Tgt Ion:119 Resp: 2160865

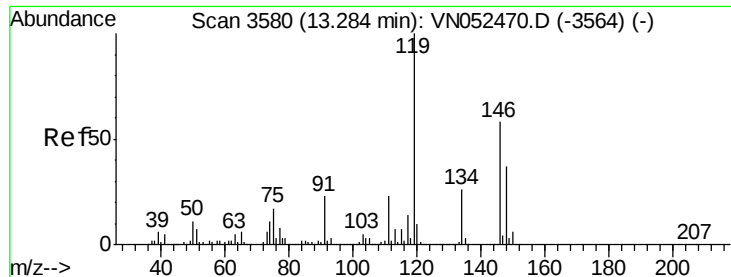
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

91 22.3 11.4 34.2





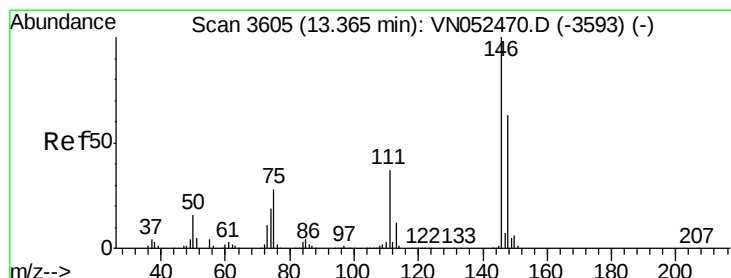
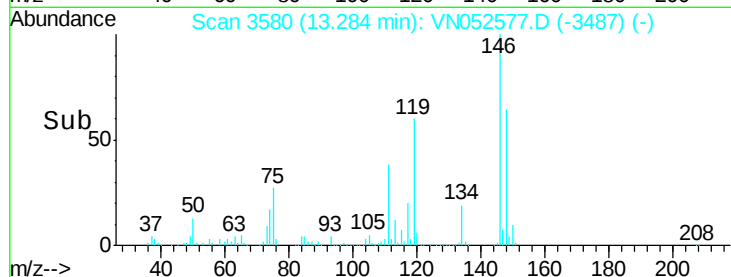
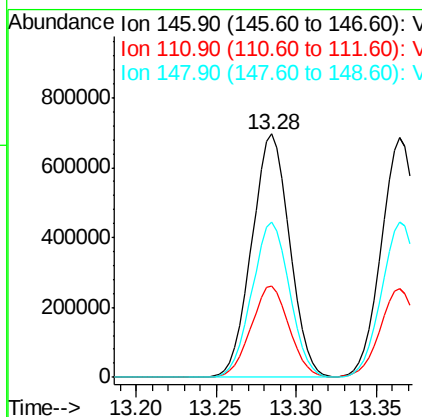
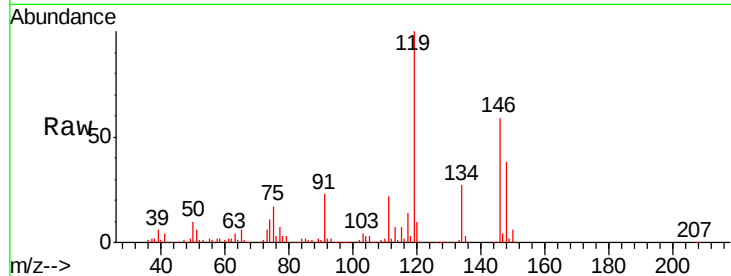
#87
 1,3-Dichlorobenzene
 Concen: 48.529 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN052577.D
 Acq: 29 Nov 2018 20:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:146 Resp: 1131737
 Ion Ratio Lower Upper
 146 100
 111 37.9 19.4 58.4
 148 63.6 31.8 95.4

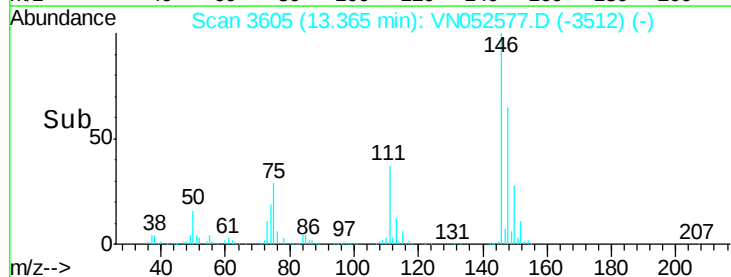
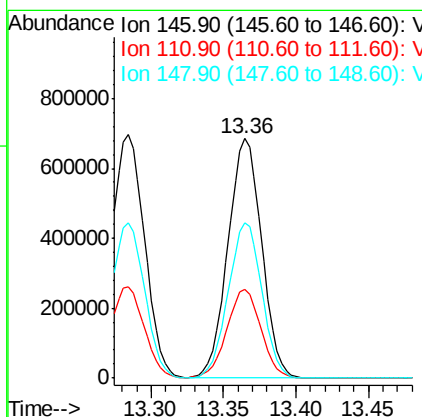
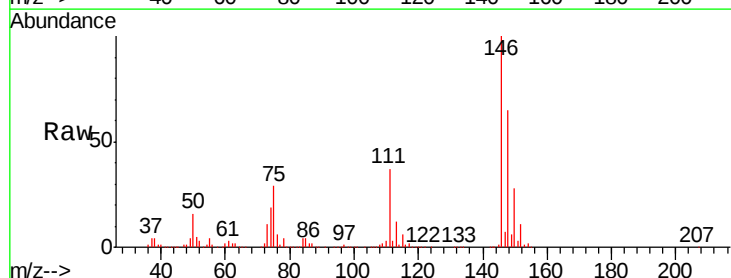
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#88
 1,4-Dichlorobenzene
 Concen: 48.236 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN052577.D
 Acq: 29 Nov 2018 20:38

Tgt Ion:146 Resp: 1108020
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.6 56.0
 148 64.9 31.9 95.9





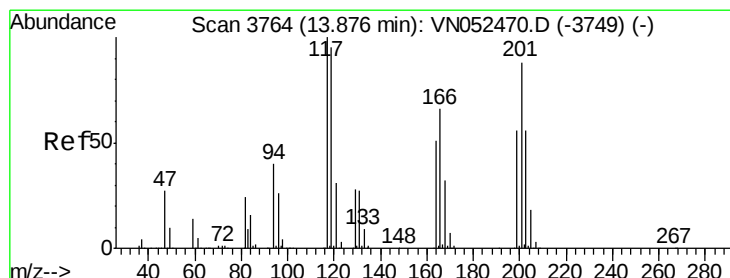
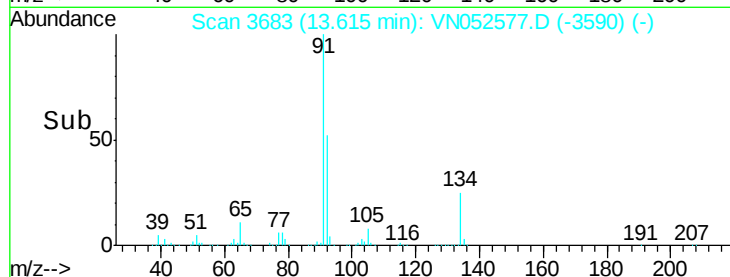
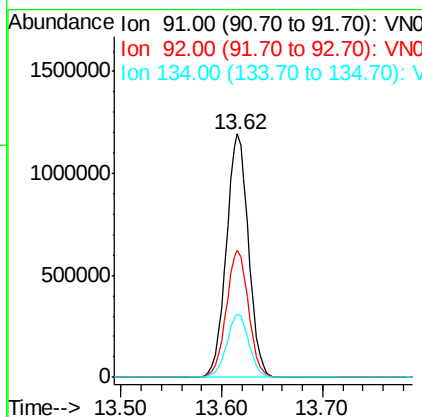
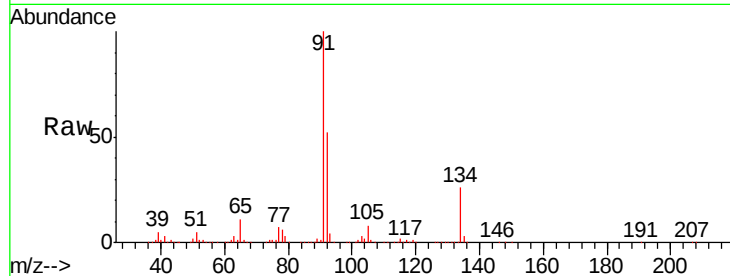
#89
n-Butylbenzene
Concen: 49.393 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN052577.D
Acq: 29 Nov 2018 20:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 1827524
Ion Ratio Lower Upper
91 100
92 52.3 26.1 78.3
134 26.0 13.0 38.9

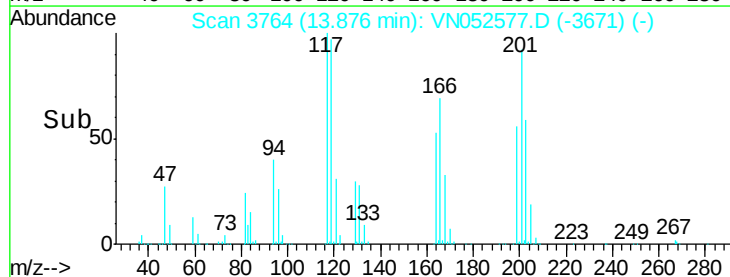
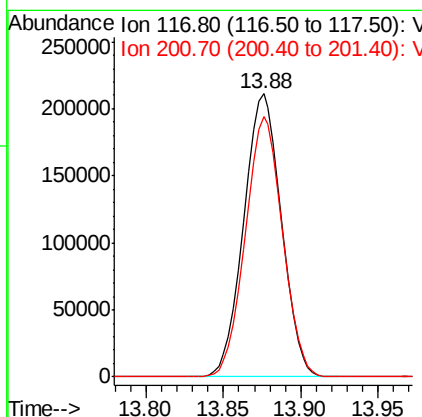
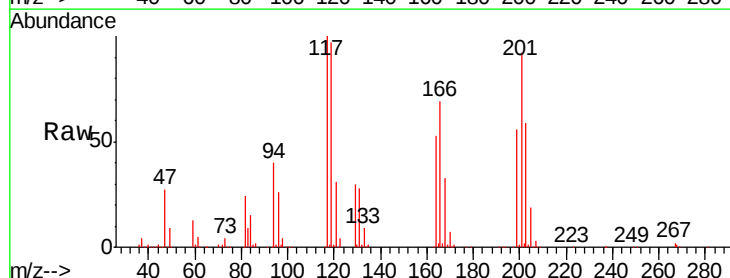
Manual Integrations
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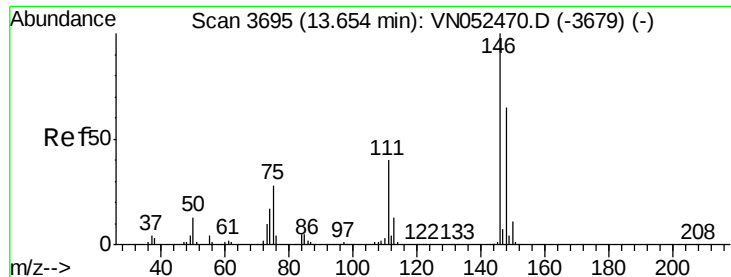
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#90
Hexachloroethane
Concen: 47.451 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN052577.D
Acq: 29 Nov 2018 20:38

Tgt Ion: 117 Resp: 357451
Ion Ratio Lower Upper
117 100
201 90.9 43.6 130.9





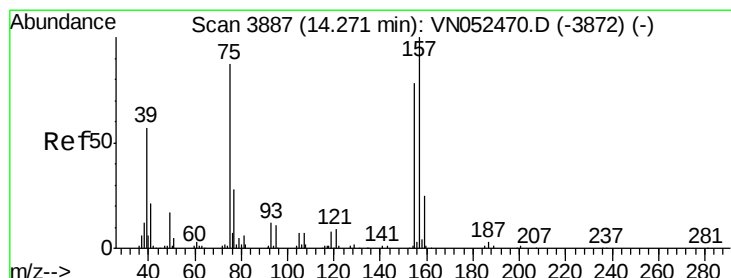
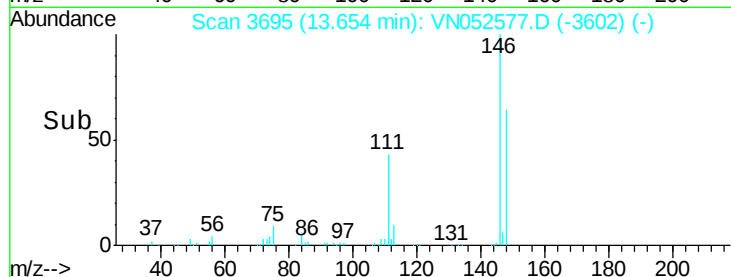
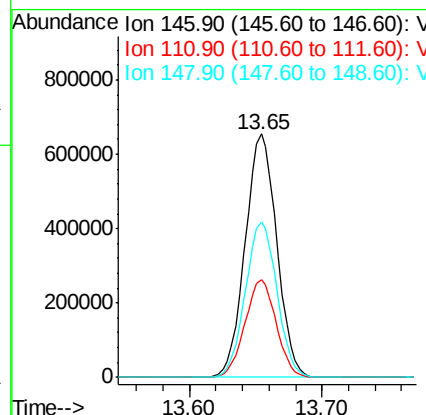
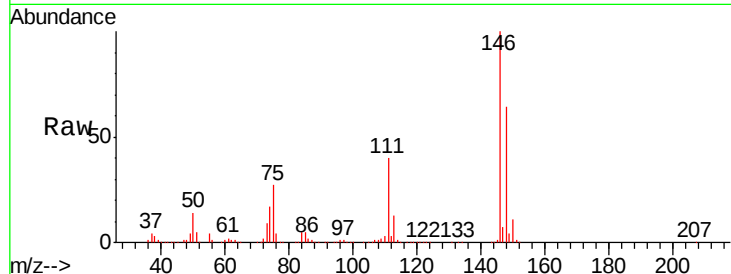
#91
 1,2-Dichlorobenzene
 Concen: 48.547 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052577.D
 Acq: 29 Nov 2018 20:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 146 Resp: 1081659
 Ion Ratio Lower Upper
 146 100
 111 39.5 20.0 60.0
 148 63.9 32.0 96.2

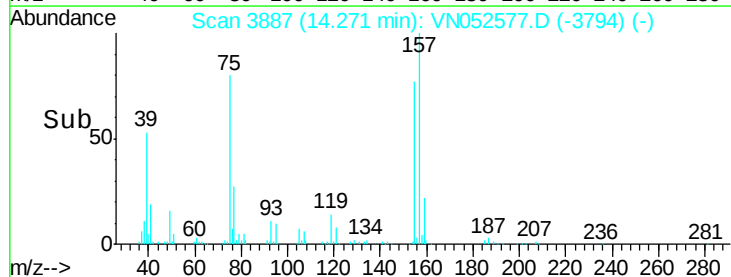
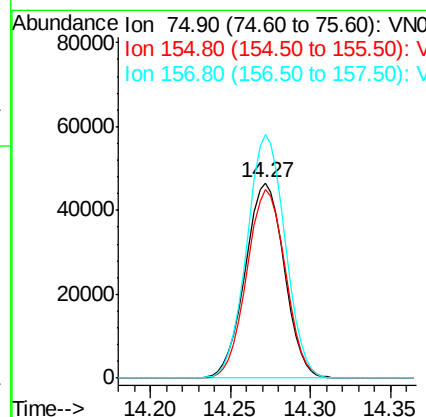
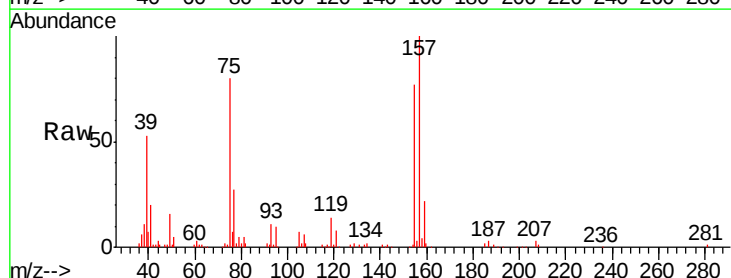
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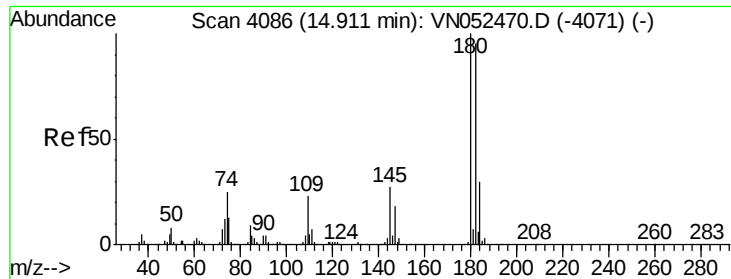
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.263 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN052577.D
 Acq: 29 Nov 2018 20:38

Tgt Ion: 75 Resp: 77675
 Ion Ratio Lower Upper
 75 100
 155 95.3 45.3 135.9
 157 121.8 58.1 174.2





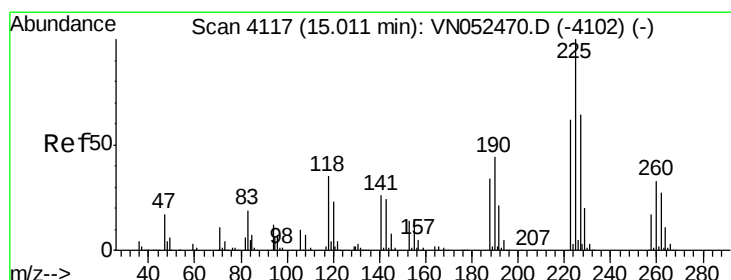
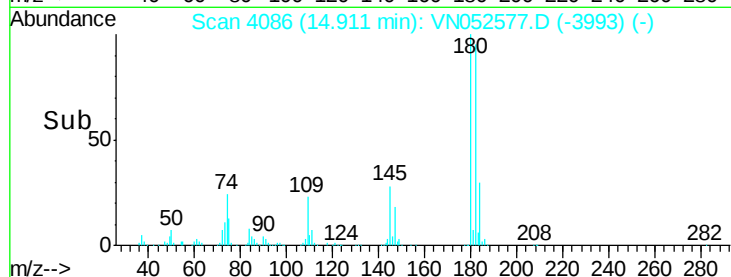
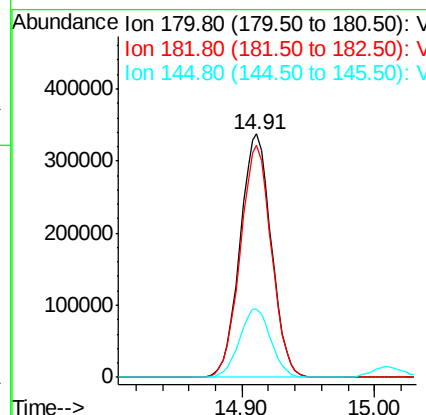
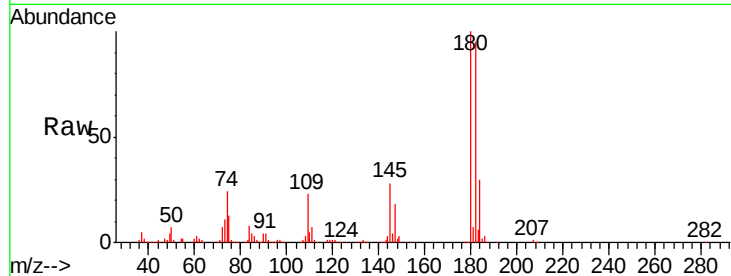
#93
 1,2,4-Trichlorobenzene
 Concen: 45.477 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052577.D
 Acq: 29 Nov 2018 20:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	551745		
182	94.8	47.8	143.4	
145	28.2	14.1	42.3	

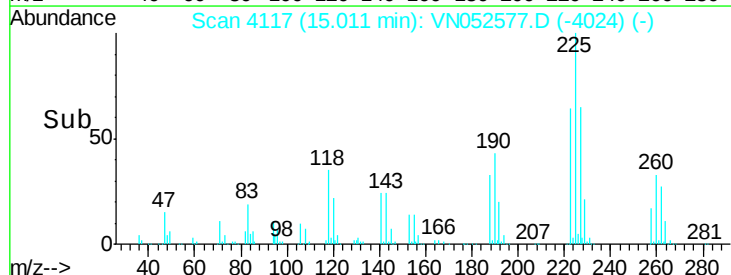
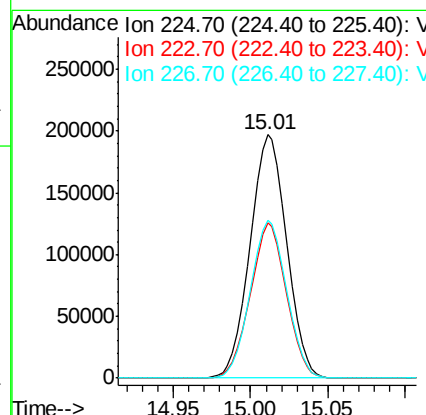
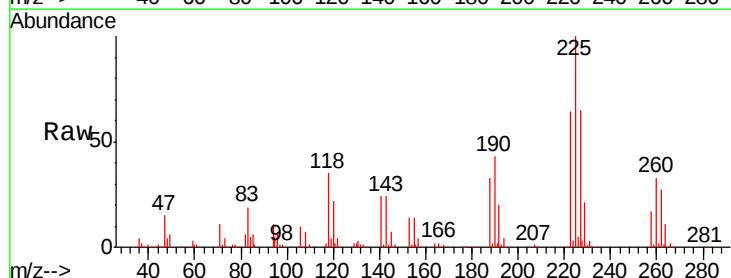
Manual Integrations
 APPROVED

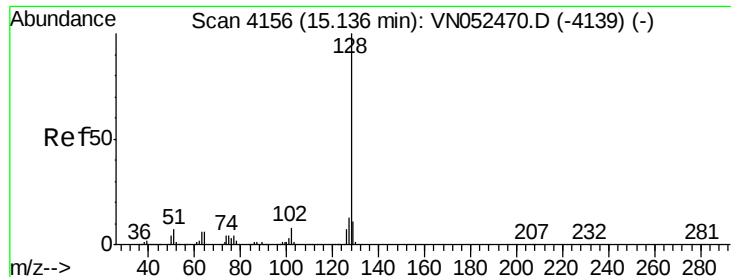
MMDadoda
 11/30/2018 11:11:27 AM



#94
 Hexachlorobutadiene
 Concen: 45.265 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052577.D
 Acq: 29 Nov 2018 20:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	324447		
223	62.8	31.4	94.2	
227	64.4	32.5	97.4	





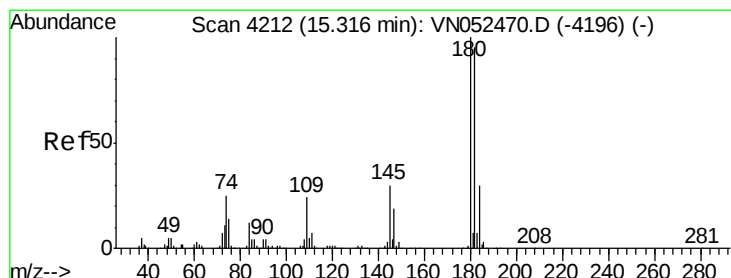
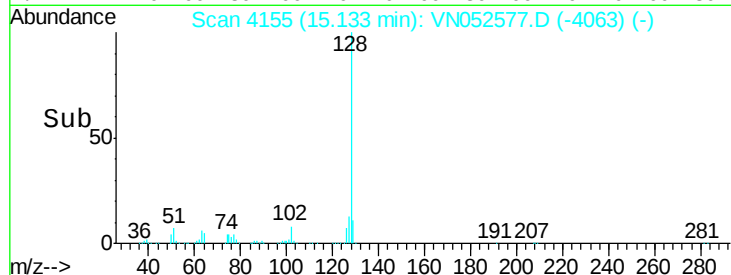
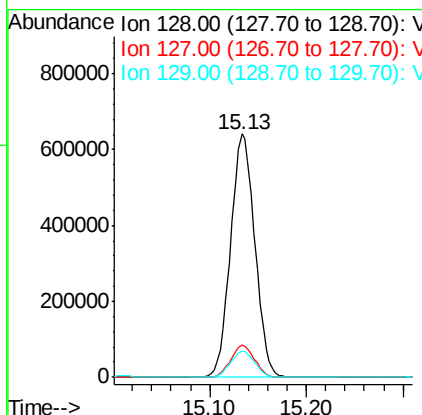
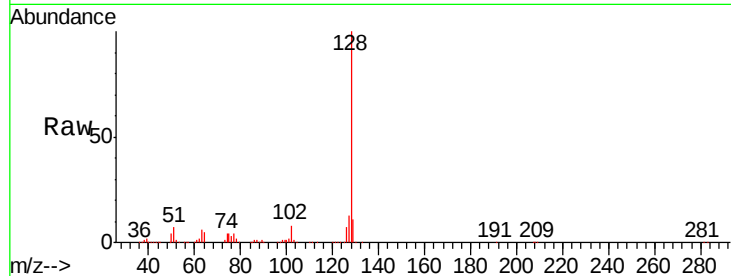
#95
Naphthalene
Concen: 43.560 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052577.D
Acq: 29 Nov 2018 20:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/30/2018 11:11:27 AM



#96
1,2,3-Trichlorobenzene
Concen: 45.187 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052577.D
Acq: 29 Nov 2018 20:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.8	143.3
145	29.7	15.2	45.5

