

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080218\
 Data File : VN050279.D
 Acq On : 2 Aug 2018 21:59
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/3/2018 9:36:48 AM

Quant Time: Aug 03 02:08:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	602673	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	891821	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	820977	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	433121	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	414924	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
35) Dibromofluoromethane	7.59	113	370595	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	
50) Toluene-d8	10.09	98	1349864	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
62) 4-Bromofluorobenzene	12.40	95	460444	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	395010	45.616	ug/l	99
3) Chloromethane	2.06	50	385919	40.999	ug/l	100
4) Vinyl Chloride	2.18	62	427667	43.144	ug/l	99
5) Bromomethane	2.55	94	159178	28.487	ug/l	99
6) Chloroethane	2.69	64	256245	43.044	ug/l	99
7) Trichlorofluoromethane	3.01	101	582137	45.334	ug/l	99
8) Diethyl Ether	3.41	74	210156	49.091	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	356782	46.204	ug/l	100
10) Methyl Iodide	3.95	142	270927	27.336	ug/l	100
11) Tert butyl alcohol	4.81	59	180054	291.021	ug/l	99
12) 1,1-Dichloroethene	3.73	96	318316	45.826	ug/l	98
13) Acrolein	3.61	56	210001	422.460	ug/l	97
14) Allyl chloride	4.32	41	520038	48.282	ug/l	97
15) Acrylonitrile	5.00	53	748498	277.294	ug/l	99
16) Acetone	3.82	43	550253	278.306	ug/l	99
17) Carbon Disulfide	4.05	76	833572	39.172	ug/l	100
18) Methyl Acetate	4.33	43	528333	69.207	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	994458	53.723	ug/l	100
20) Methylene Chloride	4.55	84	379168	50.880	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	341231	46.361	ug/l	100
22) Diisopropyl ether	5.96	45	1160357	54.333	ug/l	100
23) Vinyl Acetate	5.90	43	3912292	259.225	ug/l	100
24) 1,1-Dichloroethane	5.85	63	680253	48.711	ug/l	100
25) 2-Butanone	6.84	43	905334	282.273	ug/l	100
26) 2,2-Dichloropropane	6.83	77	432739	40.732	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	397374	50.153	ug/l	98
28) Bromochloromethane	7.20	49	329510	51.731	ug/l	99
29) Tetrahydrofuran	7.22	42	594054	286.632	ug/l	100
30) Chloroform	7.37	83	697174	48.921	ug/l	98
31) Cyclohexane	7.66	56	534792	46.171	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	591610	48.532	ug/l	100
36) 1,1-Dichloropropene	7.80	75	492045	48.972	ug/l	99
37) Ethyl Acetate	6.94	43	378524	54.034	ug/l	100
38) Carbon Tetrachloride	7.77	117	518202	48.606	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.09	83	498735	48.251	ug/l	99
40) Benzene	8.04	78	1538926	50.334	ug/l	98
41) Methacrylonitrile	7.18	41	182123	49.921	ug/l #	86
42) 1,2-Dichloroethane	8.13	62	509142	49.916	ug/l	100
43) Isopropyl Acetate	8.17	43	738007	56.043	ug/l	98
44) Trichloroethene	8.84	130	390456	47.526	ug/l	99
45) 1,2-Dichloropropane	9.12	63	418481	51.676	ug/l	98
46) Dibromomethane	9.21	93	257194	51.148	ug/l	99
47) Bromodichloromethane	9.41	83	544625	51.318	ug/l	98
48) Methyl methacrylate	9.20	41	347742	57.639	ug/l	99
49) 1,4-Dioxane	9.20	88	101555	1236.904	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2064127	299.735	ug/l	100
52) Toluene	10.16	92	943171	52.260	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	527231	52.647	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	590895	51.628	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	381863	53.343	ug/l	99
56) Ethyl methacrylate	10.43	69	499686	51.467	ug/l	99
57) 1,3-Dichloropropane	10.71	76	627360	53.819	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1054284	233.298	ug/l	100
59) 2-Hexanone	10.75	43	1404686	277.019	ug/l	99
60) Dibromochloromethane	10.90	129	427989	54.000	ug/l	99
61) 1,2-Dibromoethane	11.01	107	375267	52.835	ug/l	98
64) Tetrachloroethene	10.63	164	362269	45.897	ug/l	99
65) Chlorobenzene	11.44	112	1025733	49.462	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	406292	50.990	ug/l	99
67) Ethyl Benzene	11.51	91	1767364	53.054	ug/l	100
68) m/p-Xylenes	11.62	106	1366230	108.429	ug/l	100
69) o-Xylene	11.95	106	652177	54.295	ug/l	100
70) Styrene	11.97	104	1079995	50.545	ug/l	100
71) Bromoform	12.13	173	314757	54.304	ug/l #	100
73) Isopropylbenzene	12.25	105	1761445	52.438	ug/l	99
74) N-amyl acetate	12.07	43	562829	54.823	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	519190	58.158	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	434685m	54.003	ug/l	
77) Bromobenzene	12.53	156	456144	48.995	ug/l	98
78) n-propylbenzene	12.59	91	2009184	53.513	ug/l	100
79) 2-Chlorotoluene	12.68	91	1208428	51.928	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1442029	54.576	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	135139	53.252	ug/l	100
82) 4-Chlorotoluene	12.78	91	1209260	52.473	ug/l	99
83) tert-Butylbenzene	12.99	119	1242873	53.901	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1468009	55.122	ug/l	100
85) sec-Butylbenzene	13.17	105	1655624	53.738	ug/l	100
86) p-Isopropyltoluene	13.29	119	1442801	55.576	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	798600	50.601	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	776101	50.453	ug/l	99
89) n-Butylbenzene	13.62	91	1136943	53.258	ug/l	100
90) Hexachloroethane	13.88	117	277068	48.065	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	800240	50.723	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	82719	55.355	ug/l	98

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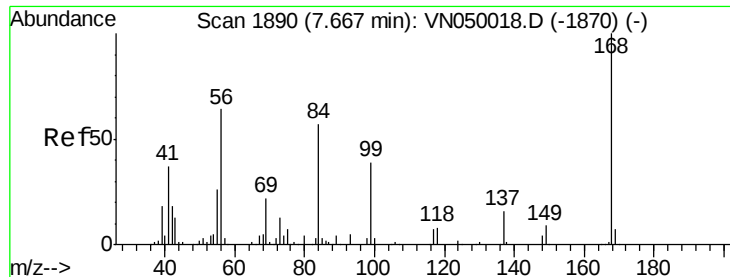
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	389022	46.711	ug/l	98
94) Hexachlorobutadiene	15.01	225	233063	48.255	ug/l	100
95) Naphthalene	15.14	128	921066	46.868	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	399439	49.058	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050279.D

Acq: 2 Aug 2018 21:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 602673

Ion Ratio Lower Upper

168 100

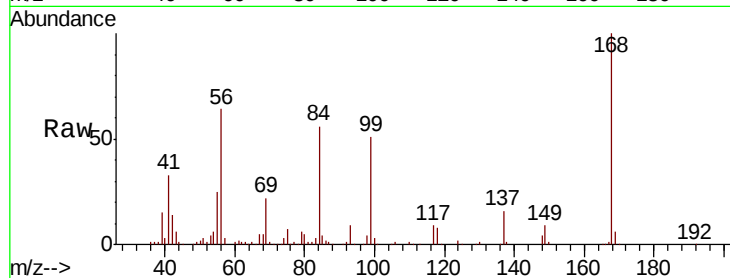
99 50.3 40.0 60.0

Manual Integrations

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8/3/2018 9:36:48 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

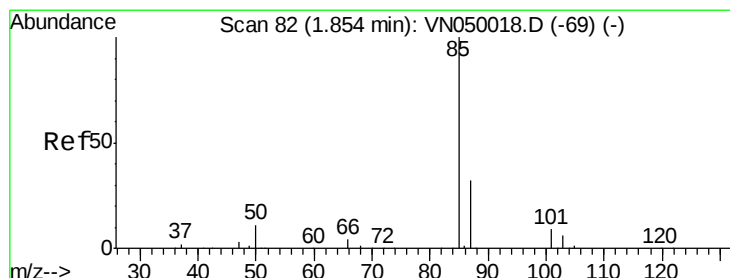
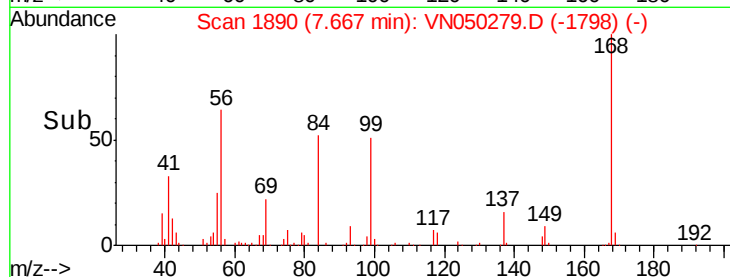
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.616 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050279.D

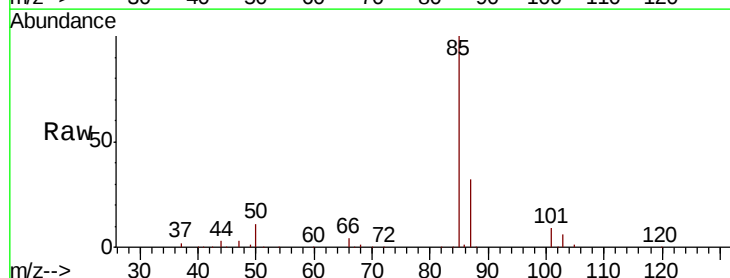
Acq: 2 Aug 2018 21:59

Tgt Ion: 85 Resp: 395010

Ion Ratio Lower Upper

85 100

87 31.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

300000

250000

200000

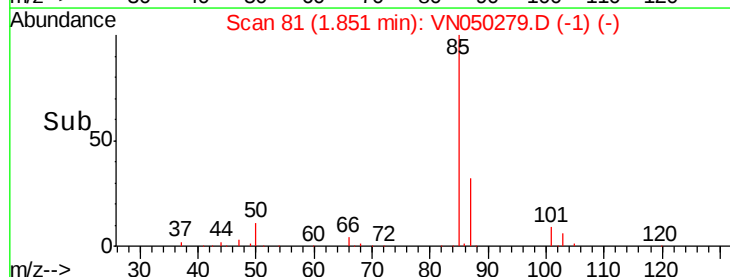
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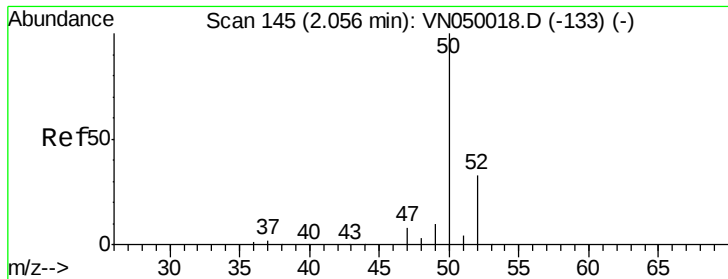
100000

50000

0

Time-->





#3

Chloromethane

Concen: 40.999 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050279.D

Acq: 2 Aug 2018 21:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 385919

Ion Ratio Lower Upper

50 100

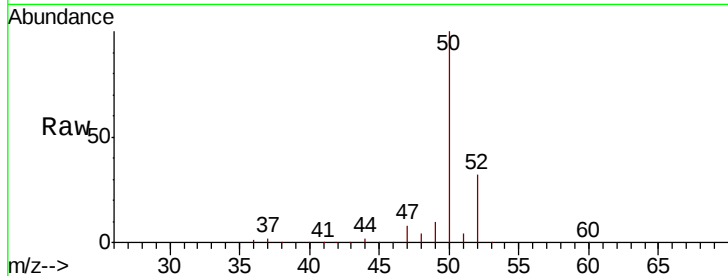
52 32.5 25.9 38.9

Manual Integrations

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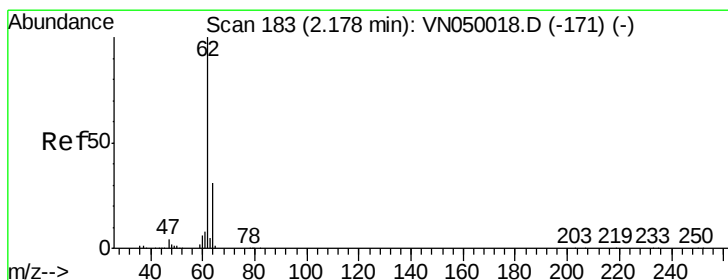
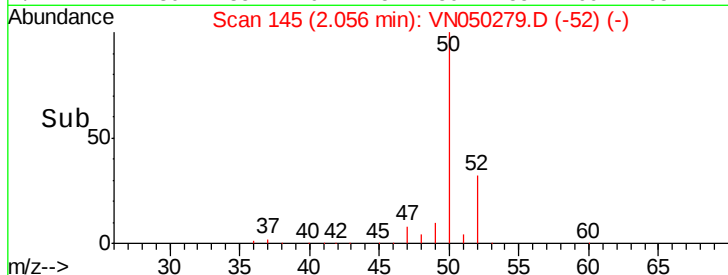
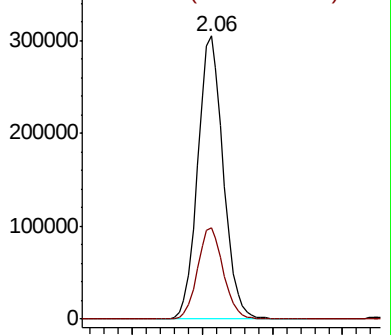
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 43.144 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050279.D

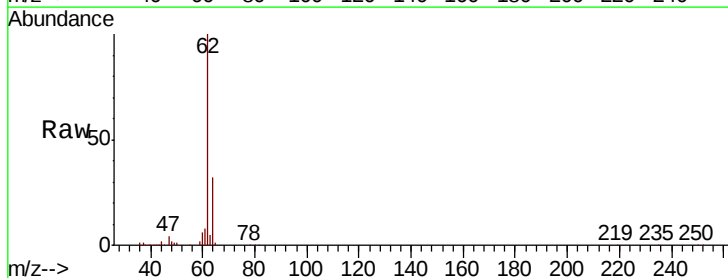
Acq: 2 Aug 2018 21:59

Tgt Ion: 62 Resp: 427667

Ion Ratio Lower Upper

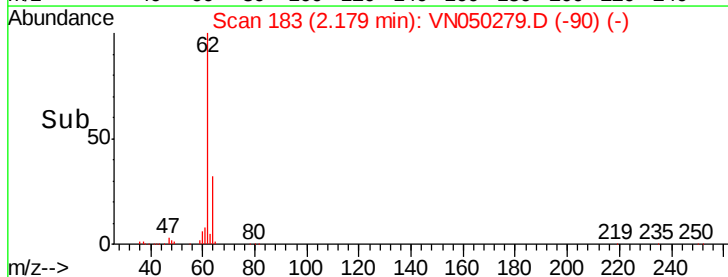
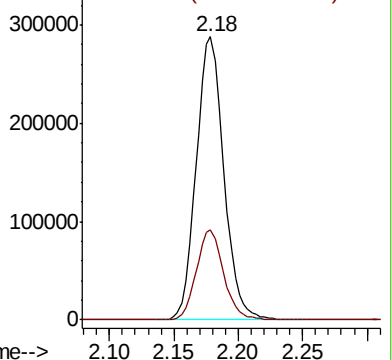
62 100

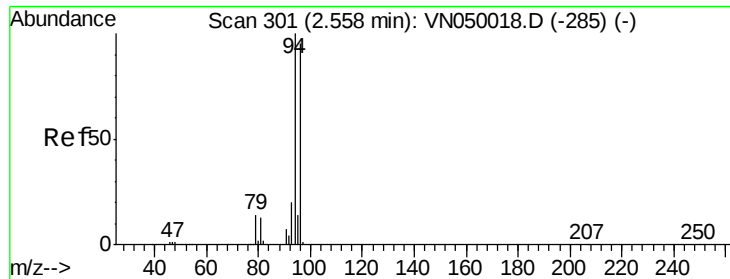
64 31.6 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 28.487 ug/l

RT: 2.55 min Scan# 299

Delta R.T. 0.00 min

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Acq: 2 Aug 2018 21:59

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 159178

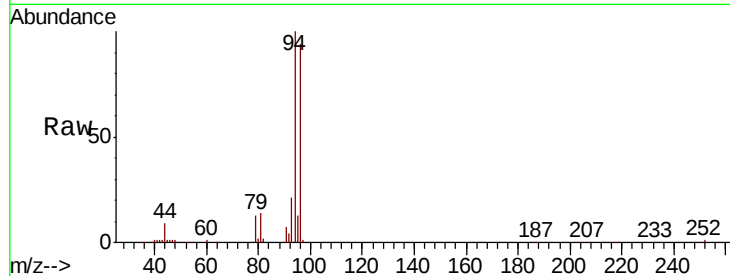
Ion Ratio Lower Upper

94 100

96 94.1 74.6 112.0

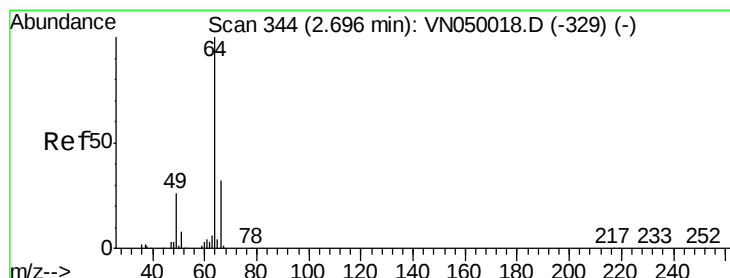
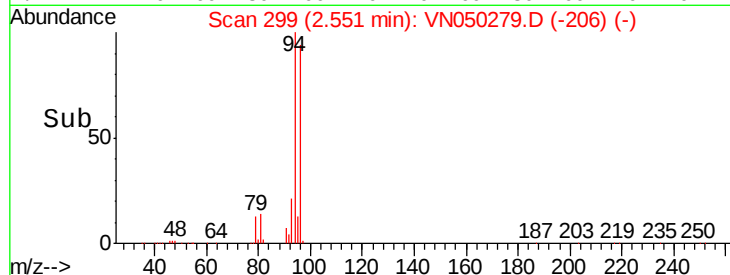
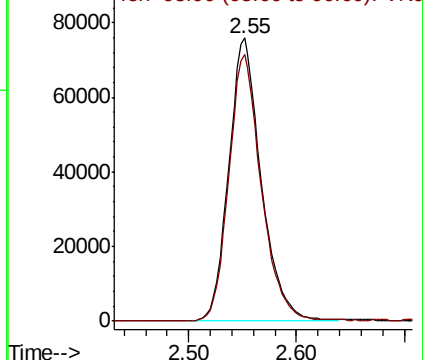
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8/3/2018 9:36:48 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 43.044 ug/l

RT: 2.69 min Scan# 343

Delta R.T. 0.00 min

Lab File: VN050279.D

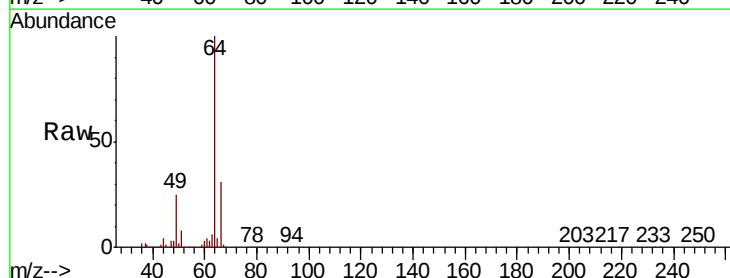
Acq: 2 Aug 2018 21:59

Tgt Ion: 64 Resp: 256245

Ion Ratio Lower Upper

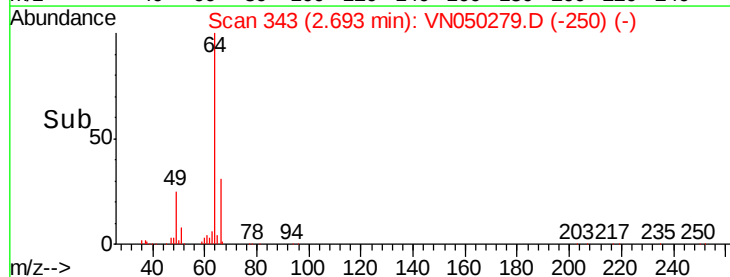
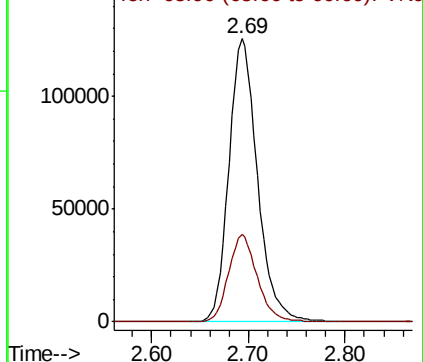
64 100

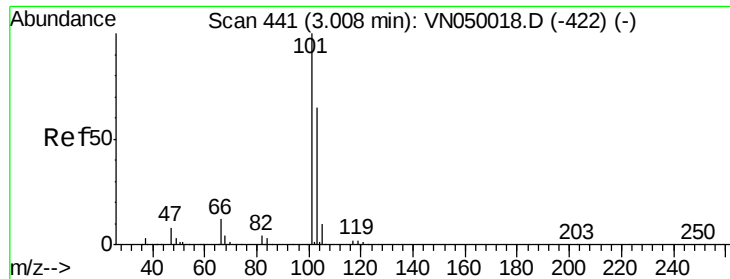
66 30.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

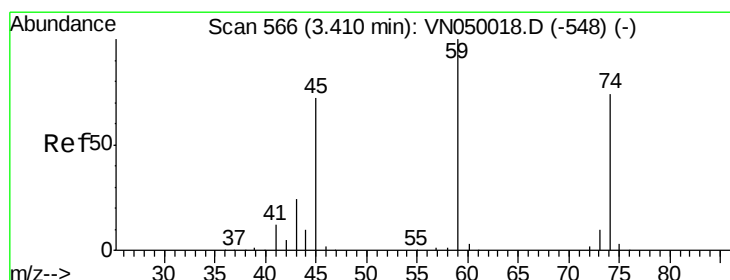
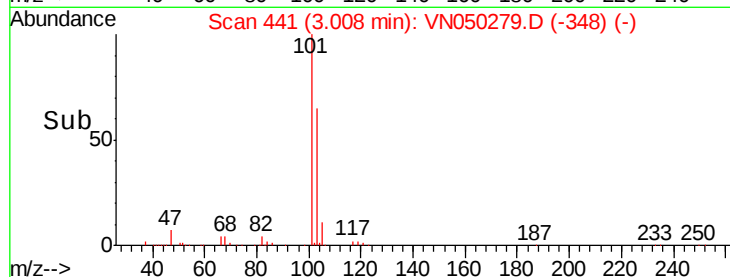
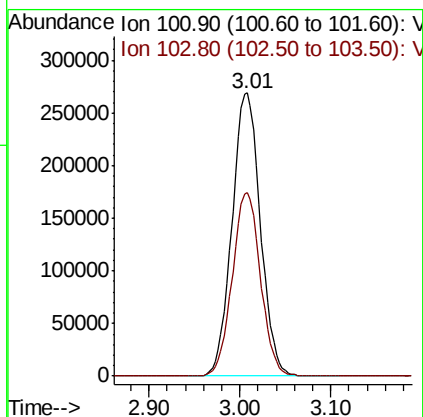
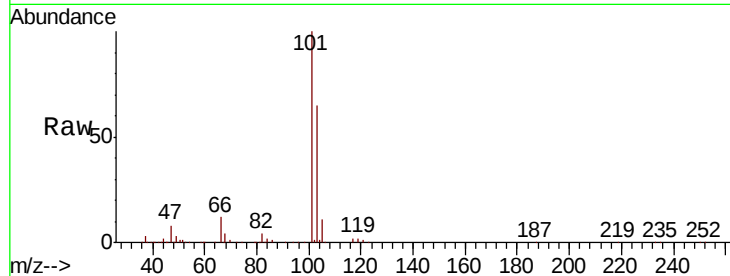
Trichlorofluoromethane
Concen: 45.334 ug/l
RT: 3.01 min Scan# 441
Delta R.T. 0.00 min
Lab File: VN050279.D
Acq: 2 Aug 2018 21:59

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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.7	77.5

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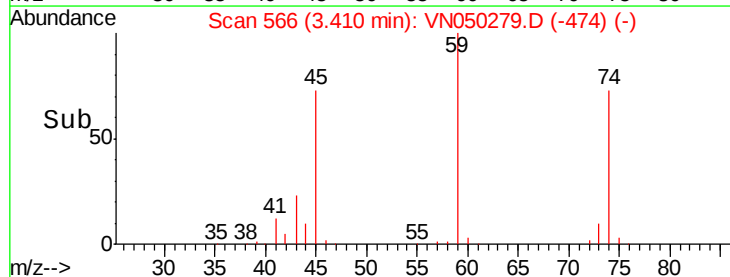
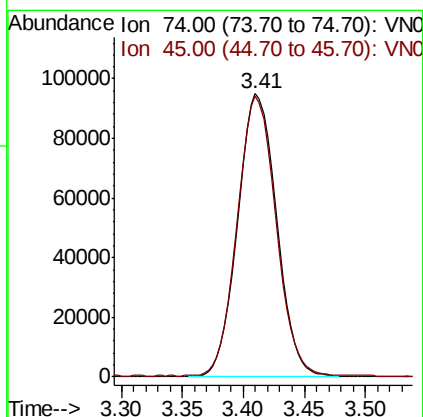
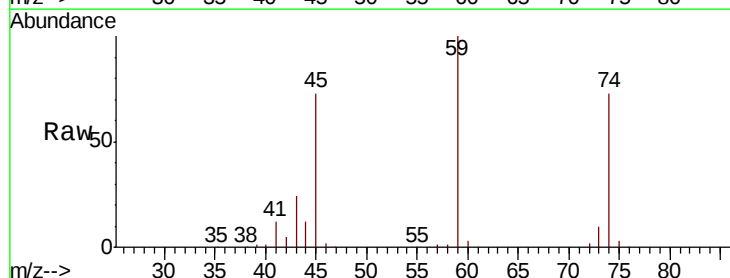
MMDadoda
8/3/2018 9:36:48 AM

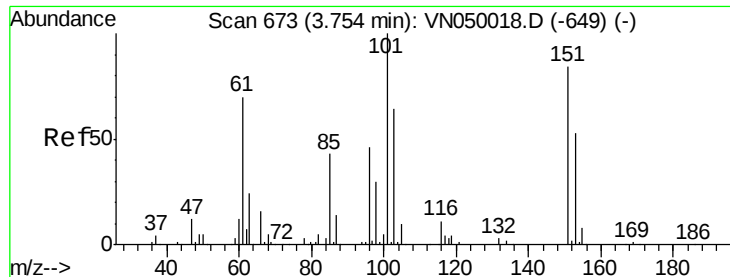


#8

Diethyl Ether
Concen: 49.091 ug/l
RT: 3.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VN050279.D
Acq: 2 Aug 2018 21:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.9	47.6	142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.204 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN050279.D

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Instrument :

MSVOA_N

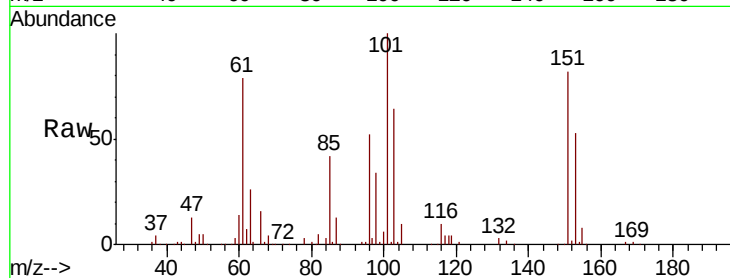
ClientSampleId :

VSTDCCC050

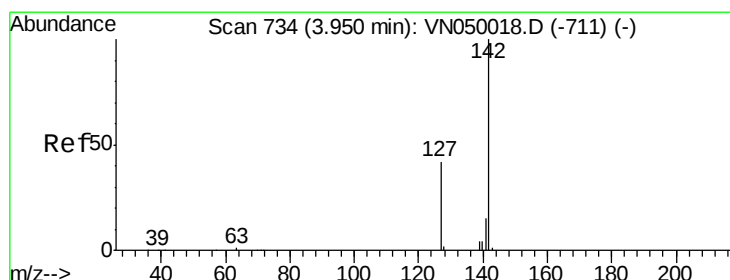
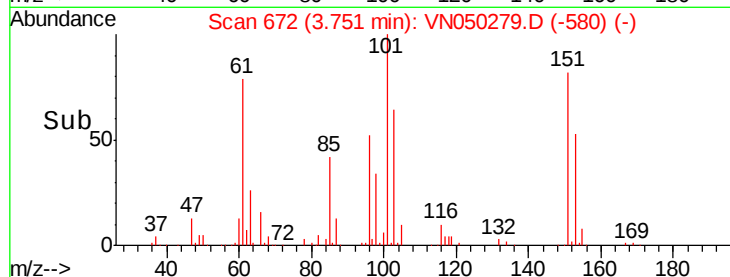
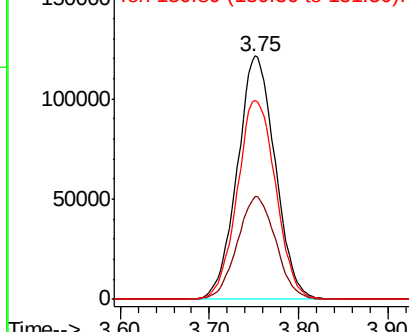
Tot Ion:	101	Resp:	356782
Ion Ratio	Lower	Upper	
101	100		
85	42.8	34.2	51.2
151	83.2	66.3	99.5

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 27.336 ug/l

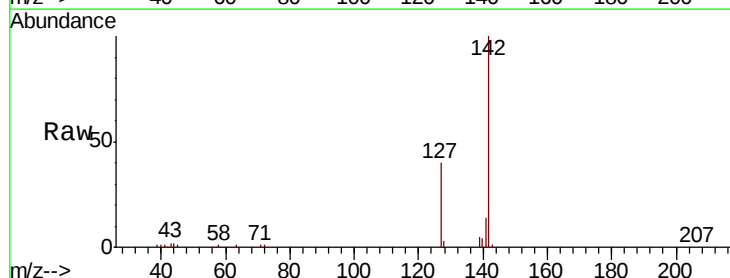
RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

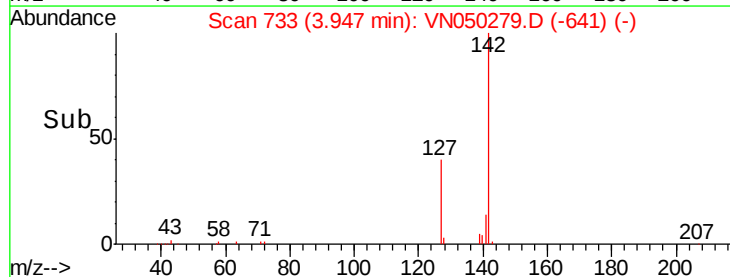
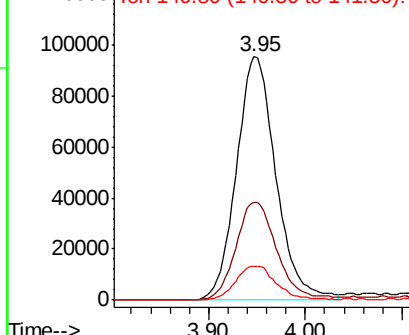
Lab File: VN050279.D

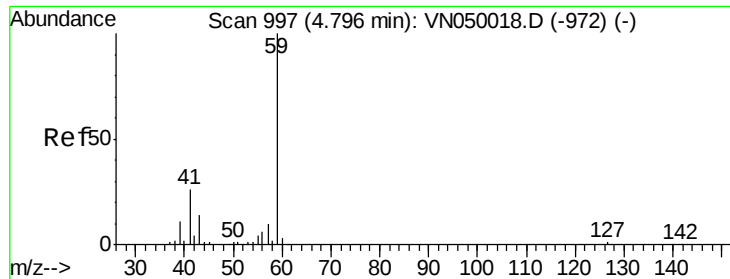
Acq: 2 Aug 2018 21:59

Tgt Ion:	142	Resp:	270927
Ion Ratio	Lower	Upper	
142	100		
127	42.2	33.4	50.2
141	14.5	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





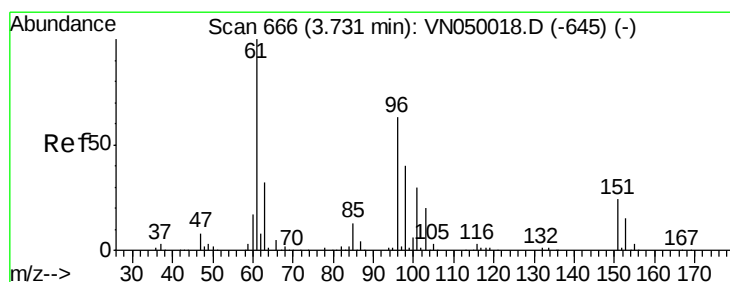
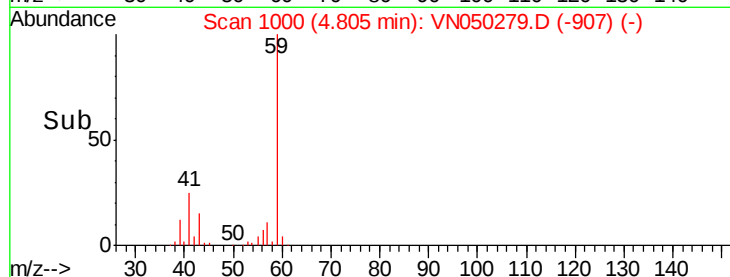
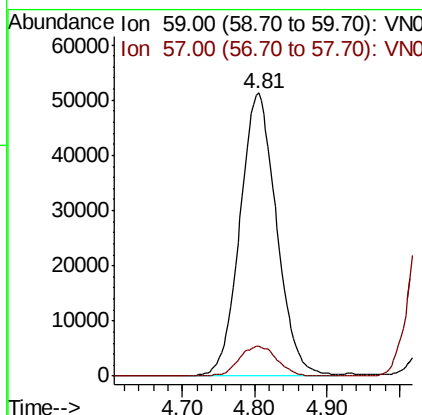
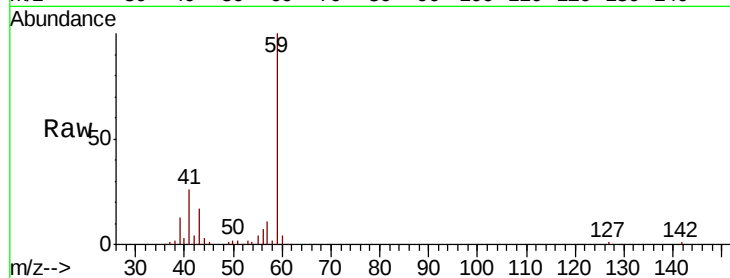
#11
Tert butyl alcohol
Concen: 291.021 ug/l
RT: 4.81 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN050279.D
Acq: 2 Aug 2018 21:59

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	59	Resp	180054
Ion Ratio	100	Lower	Upper
57	10.8	8.5	12.7

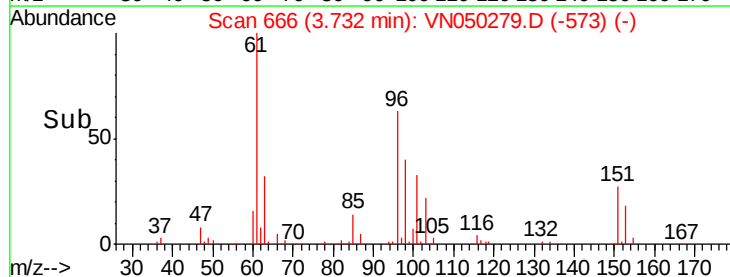
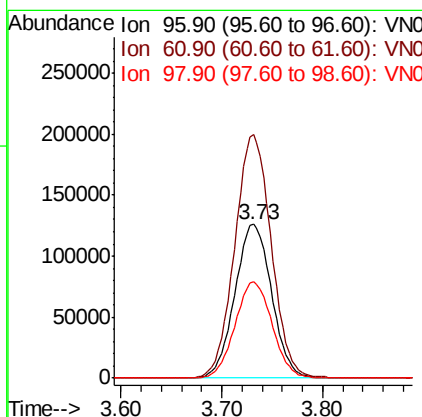
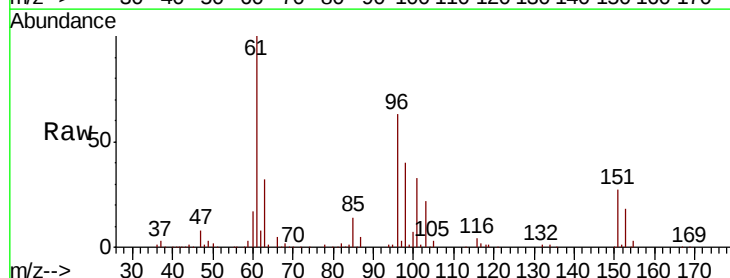
Manual Integrations
APPROVED

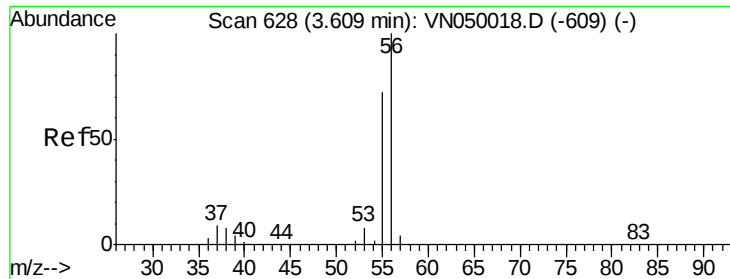
MMDadoda
8/3/2018 9:36:48 AM



#12
1,1-Dichloroethene
Concen: 45.826 ug/l
RT: 3.73 min Scan# 666
Delta R.T. 0.00 min
Lab File: VN050279.D
Acq: 2 Aug 2018 21:59

Tgt Ion	96	Resp	318316
Ion Ratio	100	Lower	Upper
61	158.3	124.4	186.6
98	62.7	48.3	72.5





#13

Acrolein

Concen: 422.460 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050279.D

Acq: 2 Aug 2018 21:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 210001

Ion Ratio Lower Upper

56 100

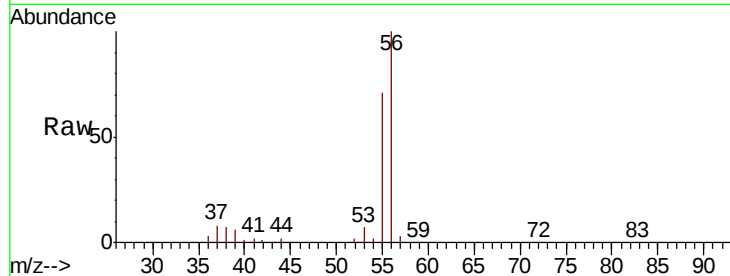
55 72.2 55.8 83.6

Manual Integrations

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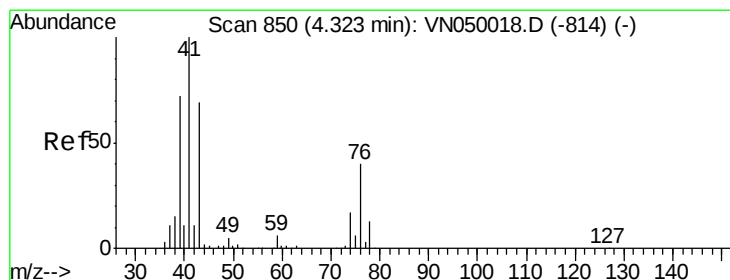
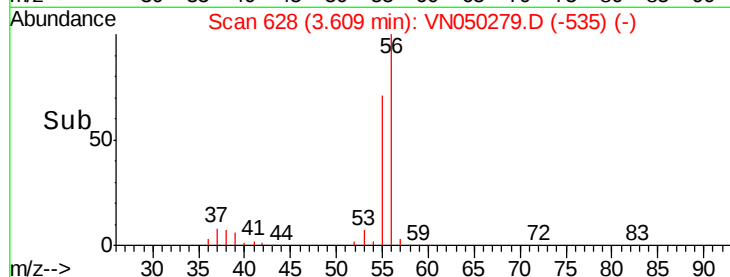
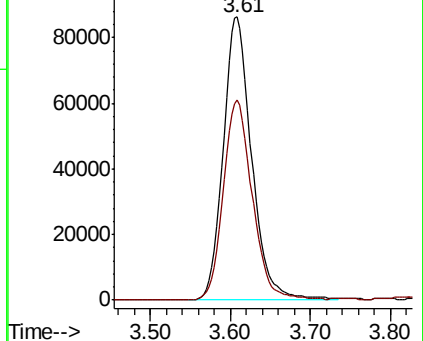
MMDadoda

8/3/2018 9:36:48 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 48.282 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN050279.D

Acq: 2 Aug 2018 21:59

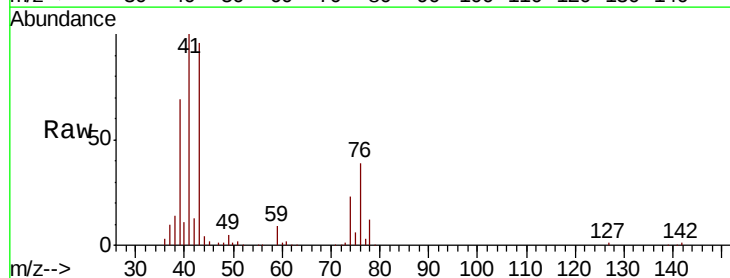
Tgt Ion: 41 Resp: 520038

Ion Ratio Lower Upper

41 100

39 64.8 54.2 81.4

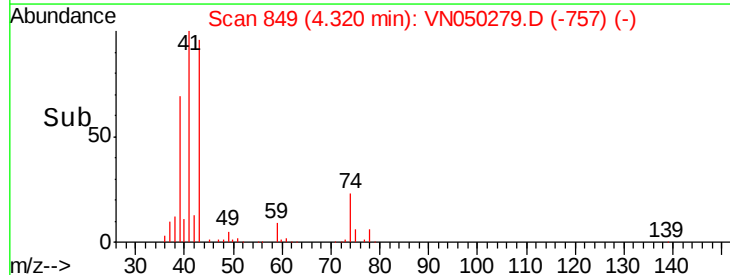
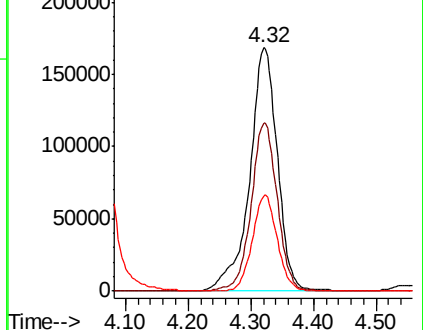
76 34.8 29.0 43.6

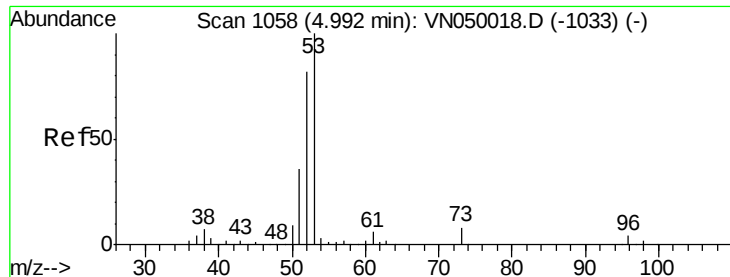


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 277.294 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050279.D

Acq: 2 Aug 2018 21:59

Instrument :

MSVOA_N

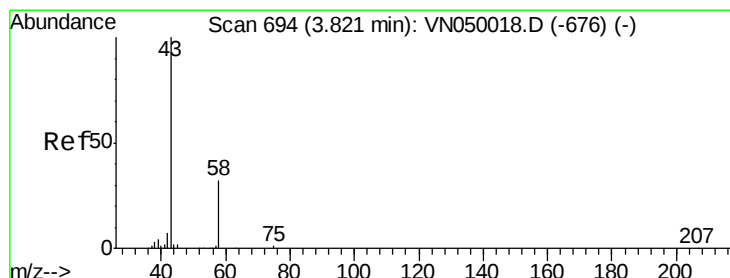
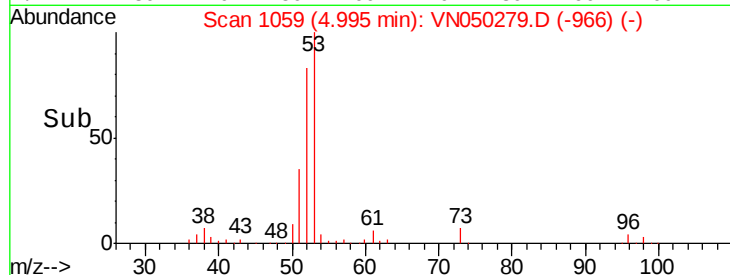
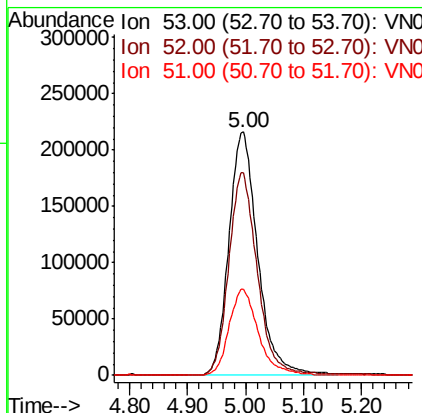
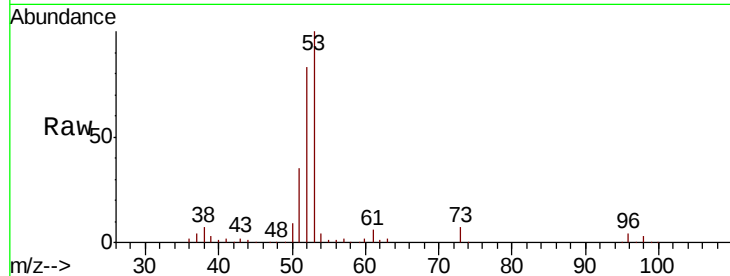
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	748498
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.2	99.2
51	36.1	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 278.306 ug/l

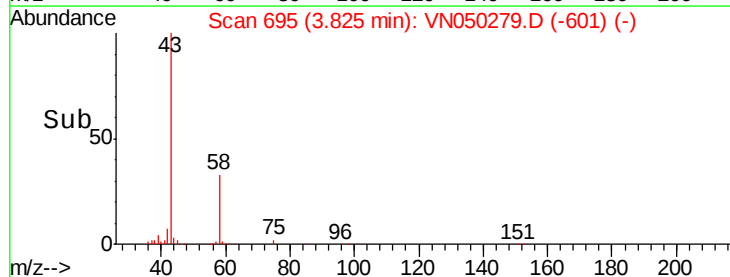
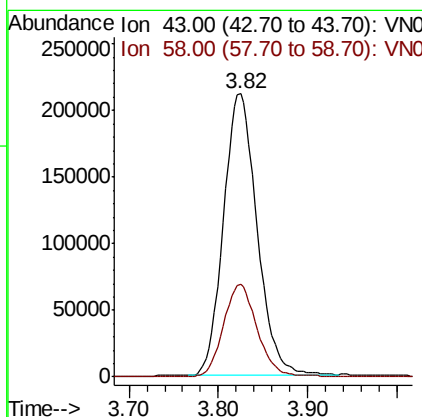
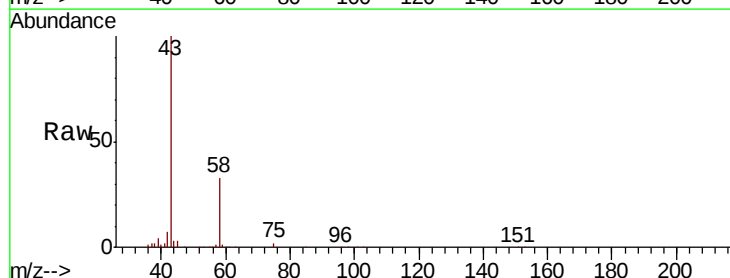
RT: 3.82 min Scan# 695

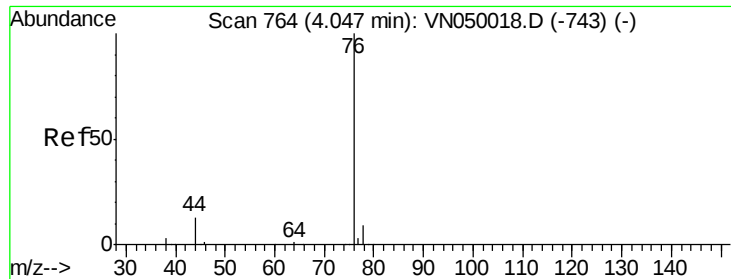
Delta R.T. 0.00 min

Lab File: VN050279.D

Acq: 2 Aug 2018 21:59

Tgt Ion:	43	Resp:	550253
Ion	Ratio	Lower	Upper
43	100		
58	32.8	25.8	38.8





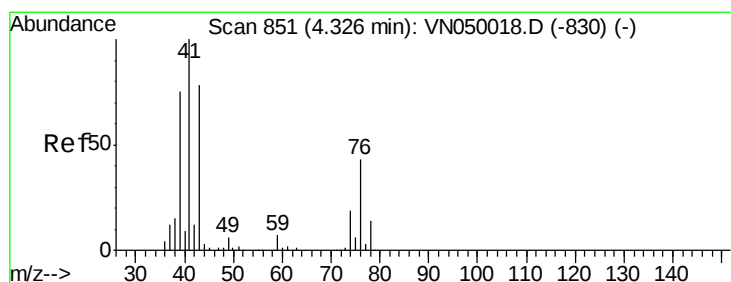
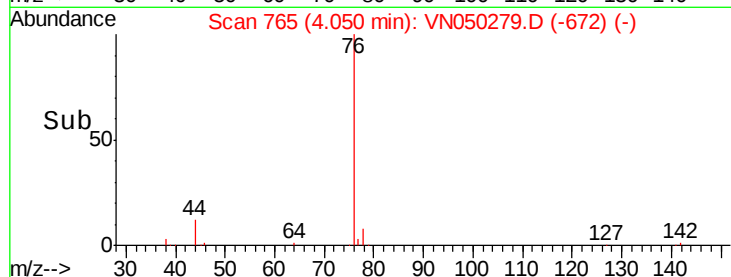
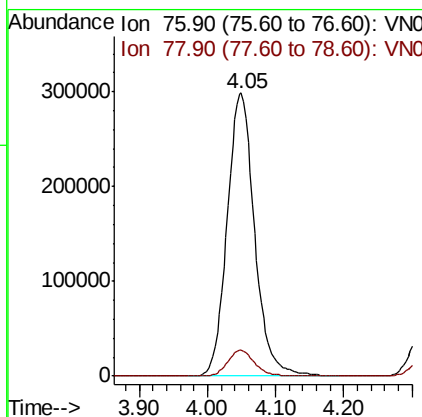
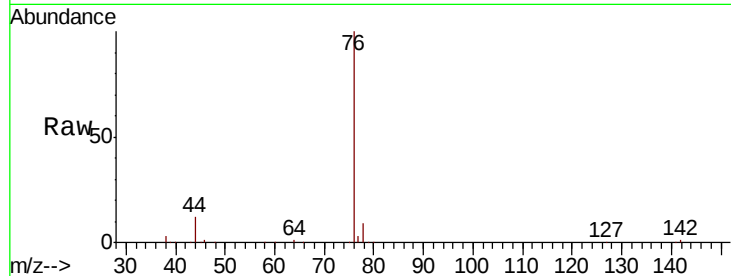
#17
Carbon Disulfide
Concen: 39.172 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050279.D
Acq: 2 Aug 2018 21:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

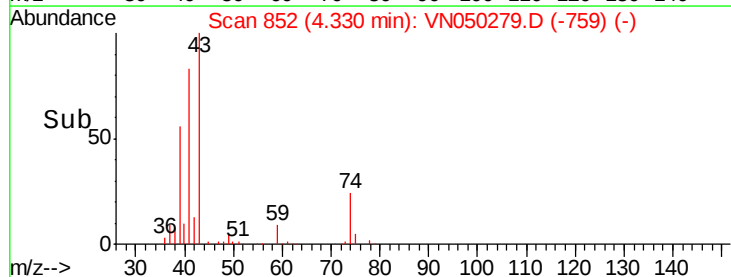
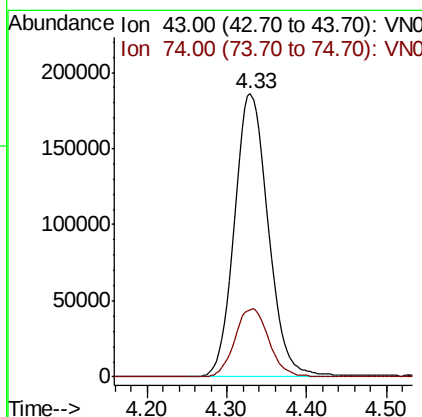
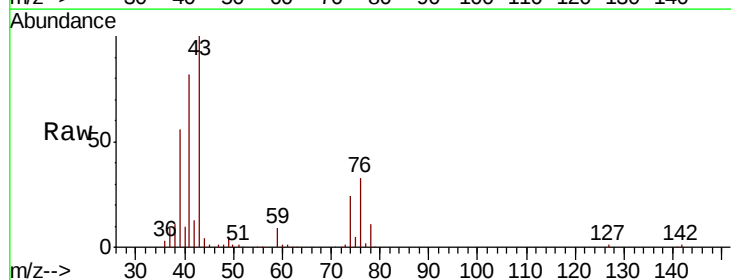
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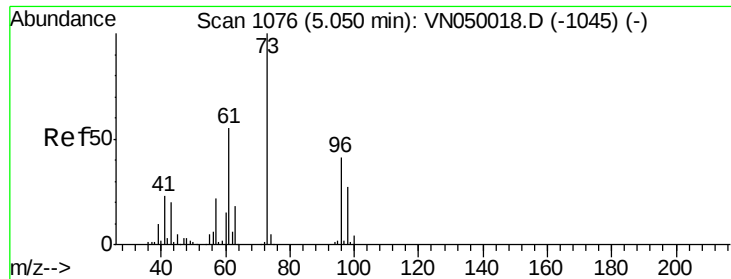
MMDadoda
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#18
Methyl Acetate
Concen: 69.207 ug/l
RT: 4.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: VN050279.D
Acq: 2 Aug 2018 21:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.2	28.8





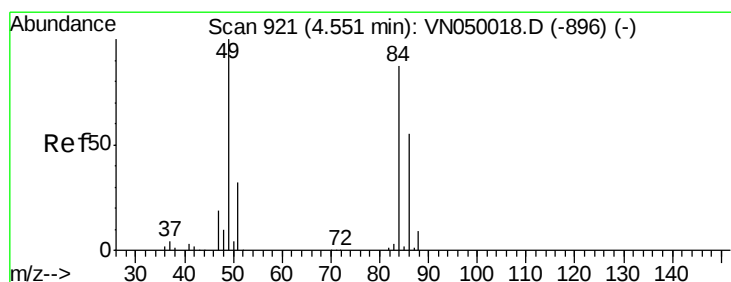
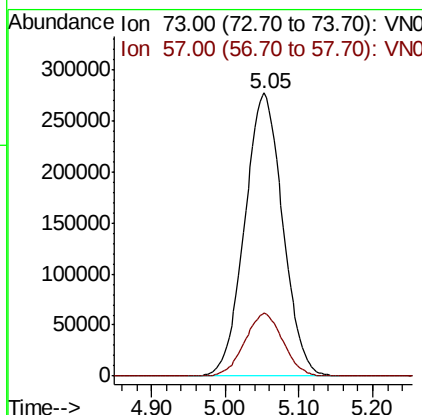
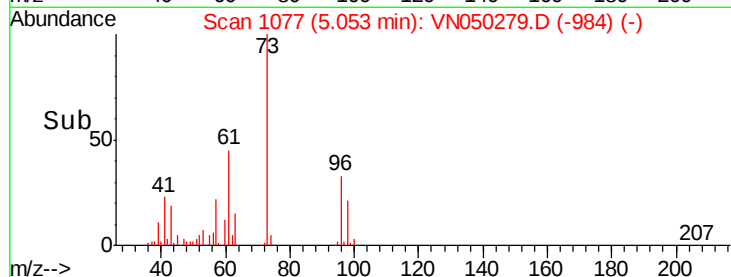
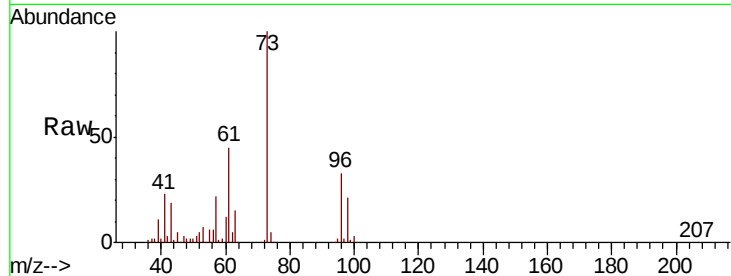
#19
Methyl tert-butyl Ether
Concen: 53.723 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050279.D
Acq: 2 Aug 2018 21:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 994458
Ion Ratio Lower Upper
73 100
57 22.4 18.0 27.0

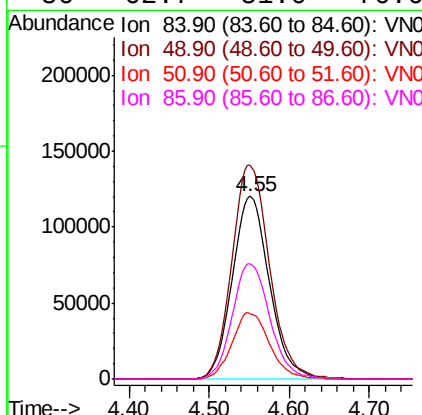
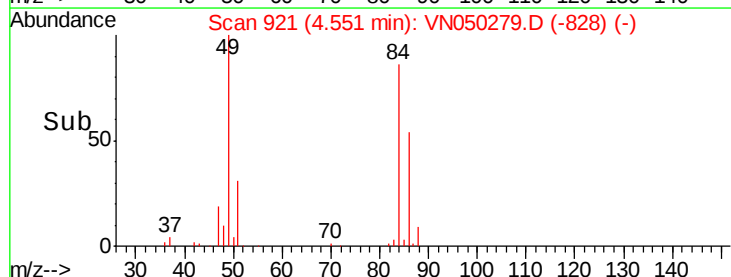
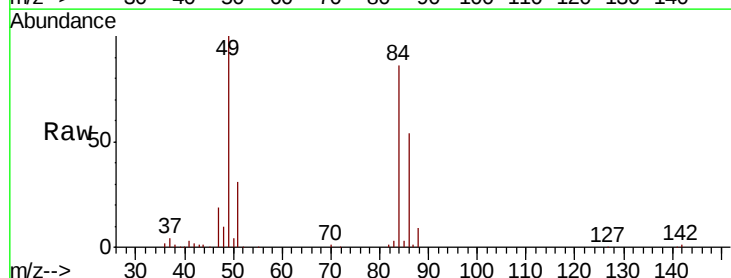
Manual Integrations
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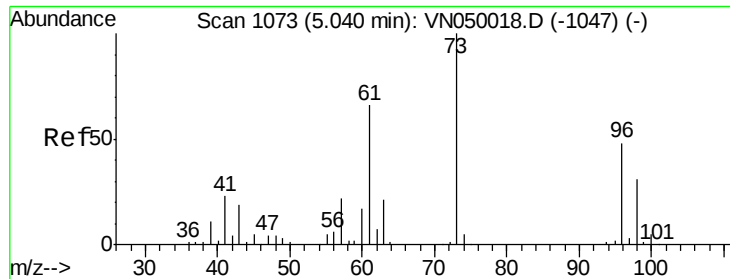
MMDadoda
8/3/2018 9:36:48 AM



#20
Methylene Chloride
Concen: 50.880 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050279.D
Acq: 2 Aug 2018 21:59

Tgt Ion: 84 Resp: 379168
Ion Ratio Lower Upper
84 100
49 116.6 94.8 142.2
51 36.1 28.3 42.5
86 62.7 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 46.361 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050279.D

Acq: 2 Aug 2018 21:59

Instrument :

MSVOA_N

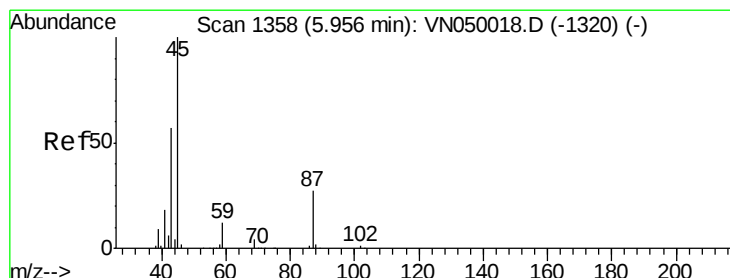
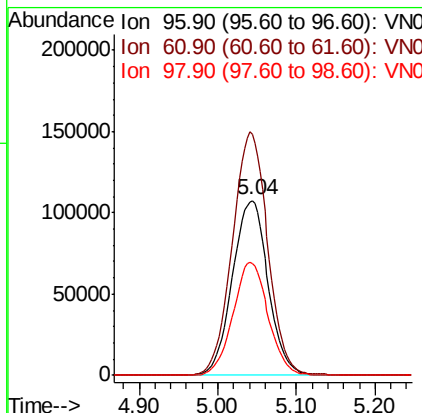
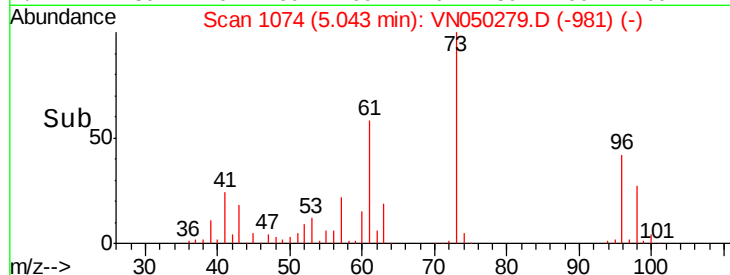
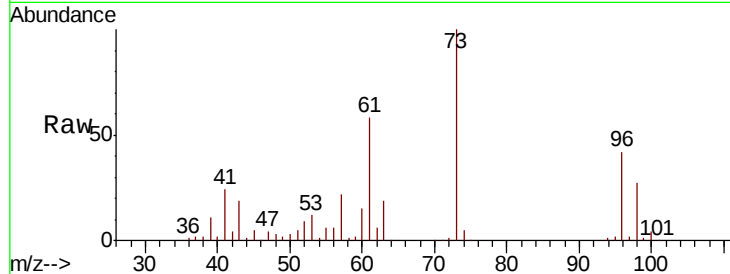
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	341231
Ion	Ratio	Lower	Upper
96	100		
61	138.4	110.7	166.1
98	64.3	51.6	77.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 54.333 ug/l

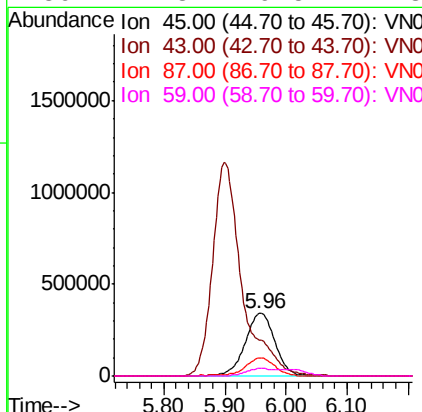
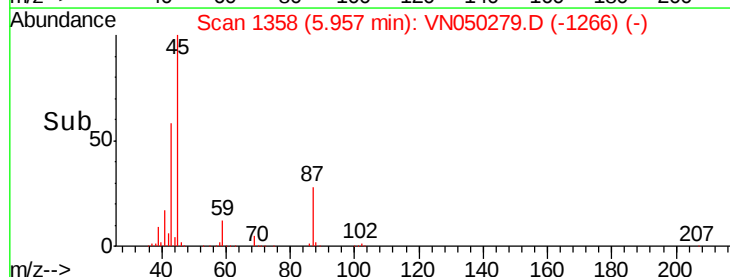
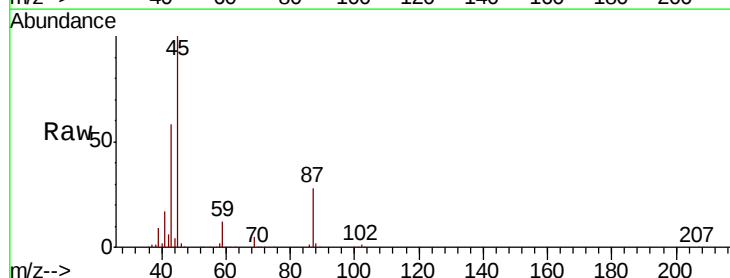
RT: 5.96 min Scan# 1358

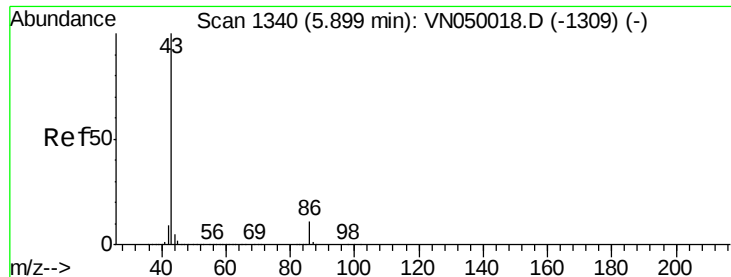
Delta R.T. -0.00 min

Lab File: VN050279.D

Acq: 2 Aug 2018 21:59

Tgt Ion:	45	Resp:	1160357
Ion	Ratio	Lower	Upper
45	100		
43	57.4	45.7	68.5
87	28.4	22.7	34.1
59	11.8	9.5	14.3





#23

Vinyl Acetate

Concen: 259.225 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050279.D

Acq: 2 Aug 2018 21:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3912292

Ion Ratio Lower Upper

43 100

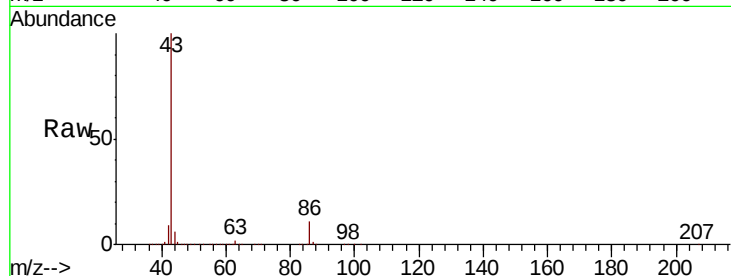
86 10.7 8.6 13.0

Manual Integrations

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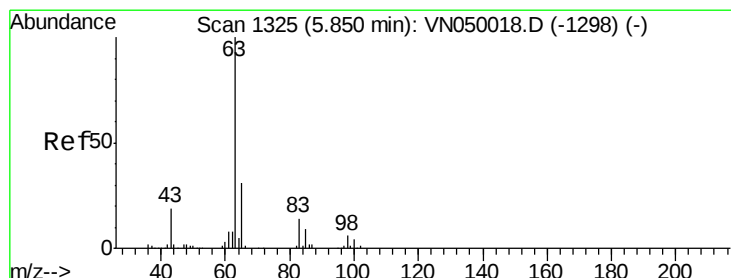
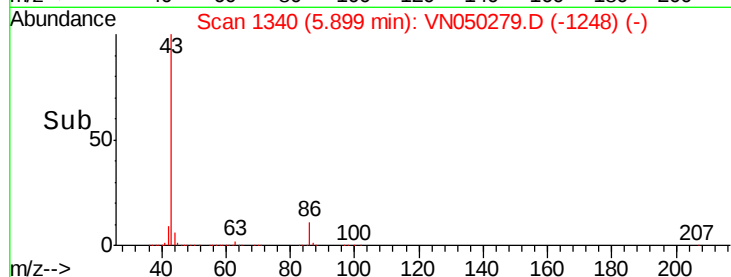
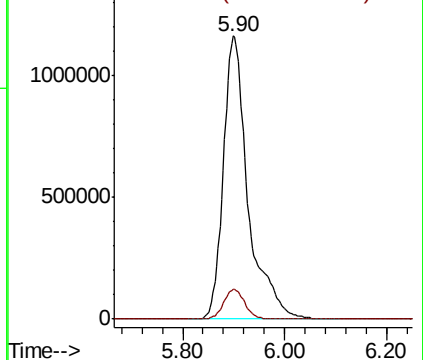
MMDadoda

8/3/2018 9:36:48 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 48.711 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050279.D

Acq: 2 Aug 2018 21:59

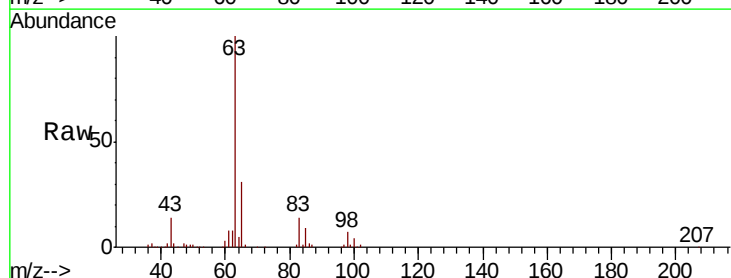
Tgt Ion: 63 Resp: 680253

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

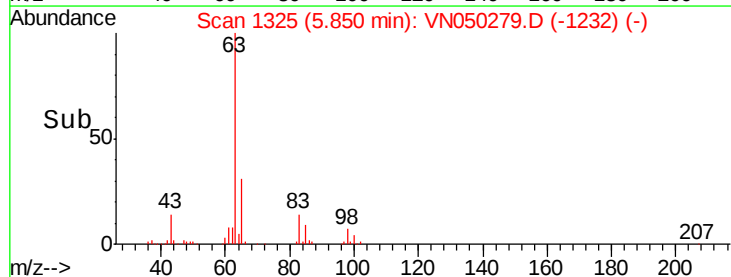
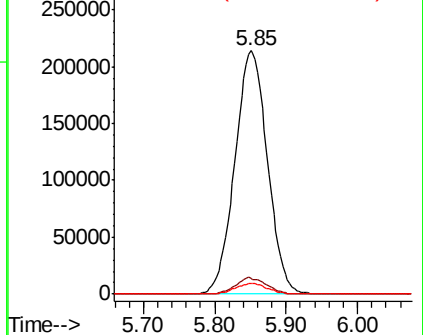
100 4.3 2.1 6.3

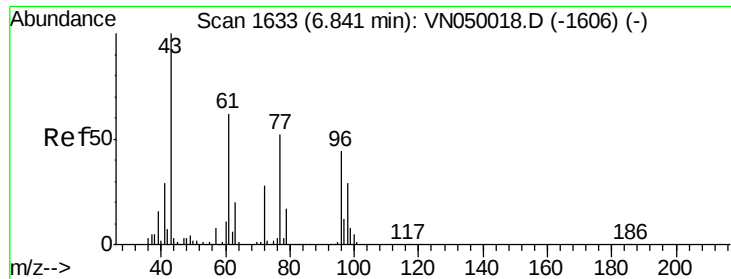


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





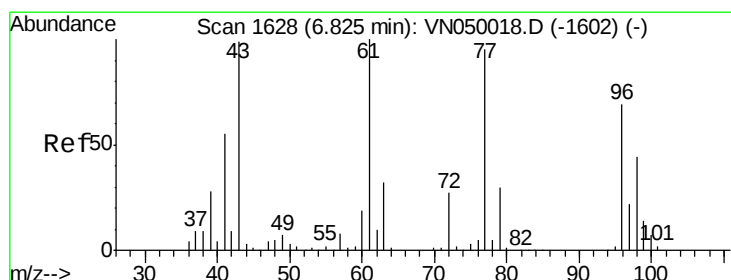
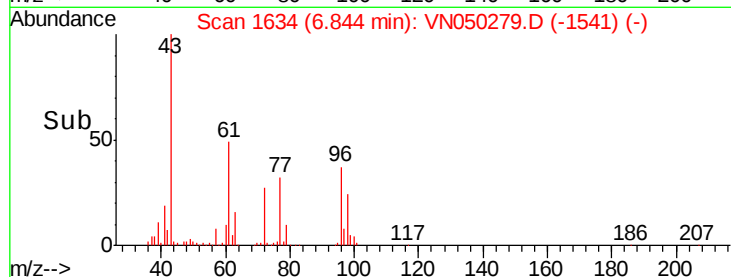
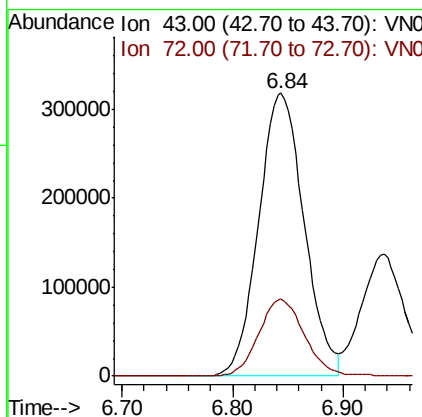
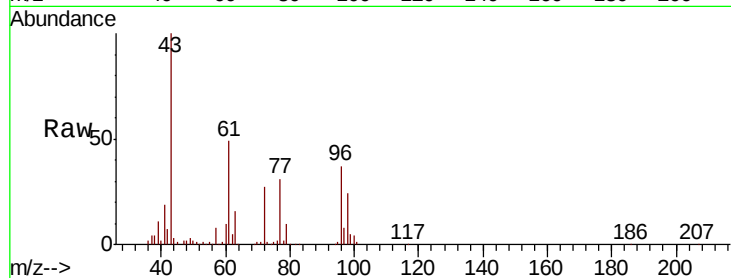
#25
2-Butanone
Concen: 282.273 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN050279.D
Acq: 2 Aug 2018 21:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 905334
Ion Ratio Lower Upper
43 100
72 27.1 21.5 32.3

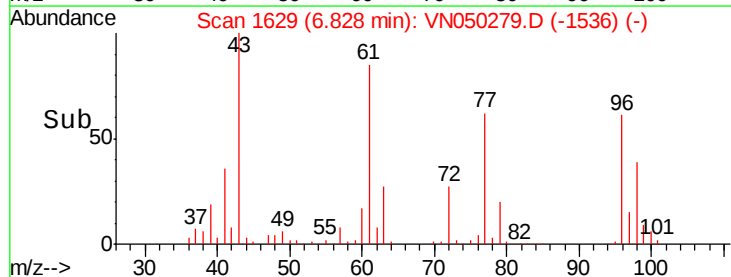
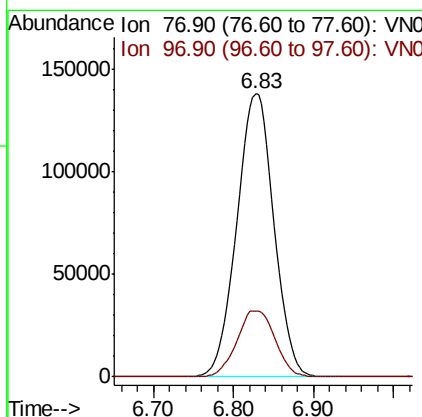
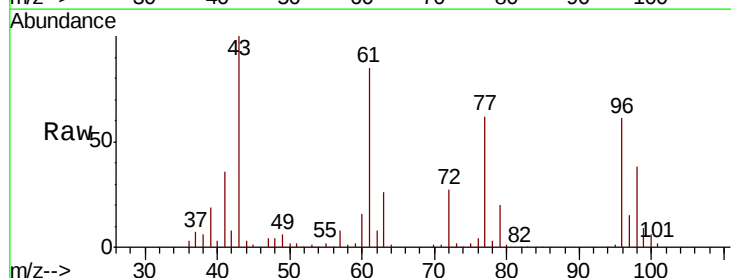
Manual Integrations
APPROVED

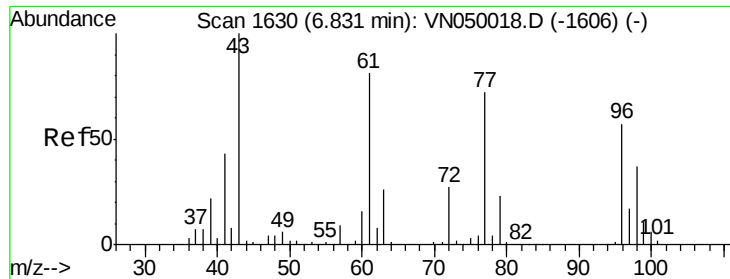
MMDadoda
8/3/2018 9:36:48 AM



#26
2,2-Dichloropropane
Concen: 40.732 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN050279.D
Acq: 2 Aug 2018 21:59

Tgt Ion: 77 Resp: 432739
Ion Ratio Lower Upper
77 100
97 24.1 11.8 35.3





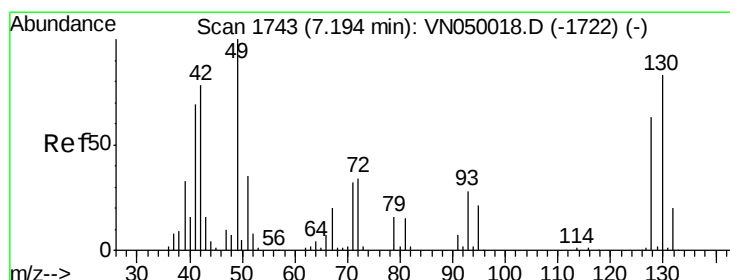
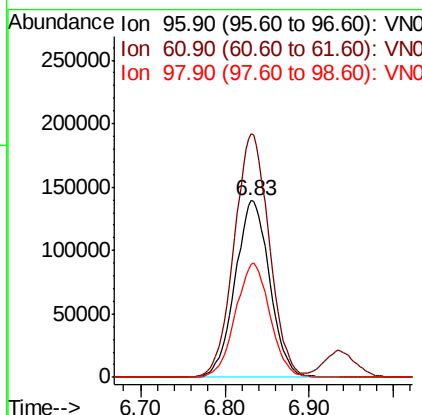
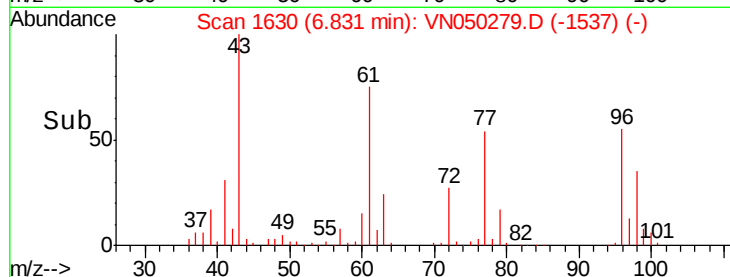
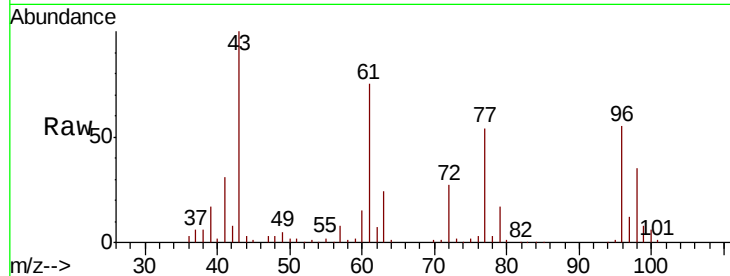
#27
 cis-1,2-Dichloroethene
 Concen: 50.153 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050279.D
 Acq: 2 Aug 2018 21:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	139.8	0.0	285.0	
98	64.6	0.0	129.2	

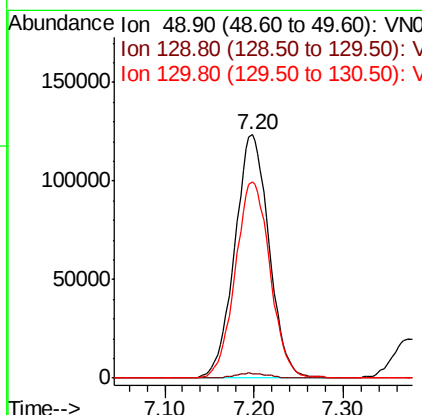
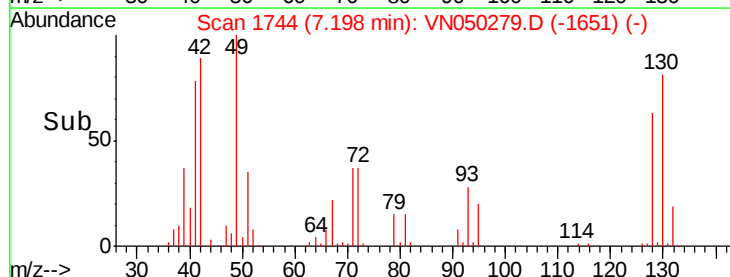
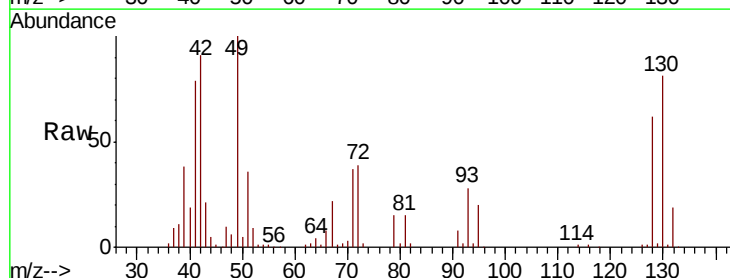
Manual Integrations
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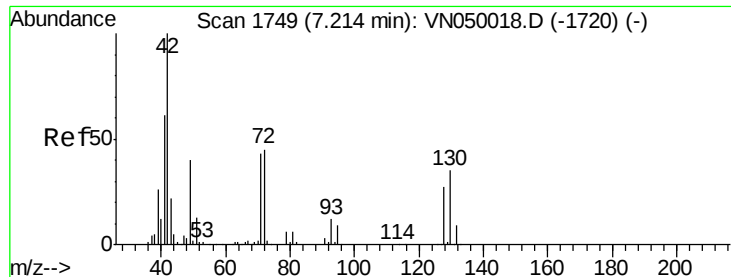
MMDadoda
 8/3/2018 9:36:48 AM



#28
 Bromochloromethane
 Concen: 51.731 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050279.D
 Acq: 2 Aug 2018 21:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	4.0	
130	81.9	66.3	99.5	





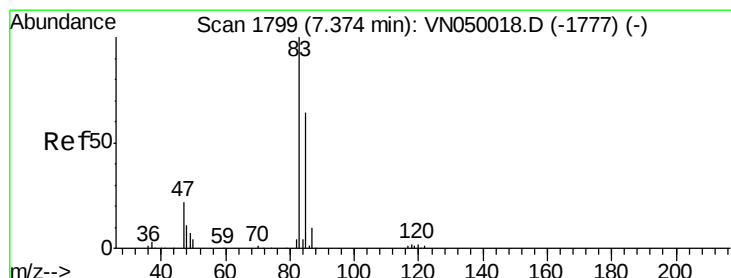
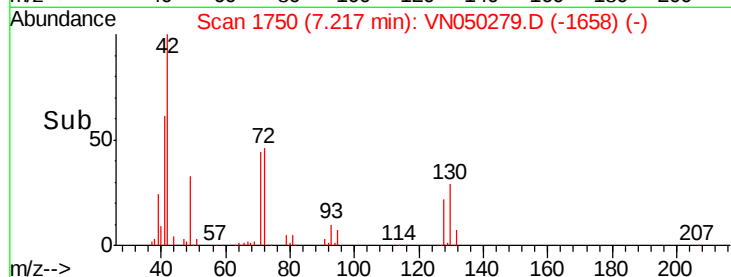
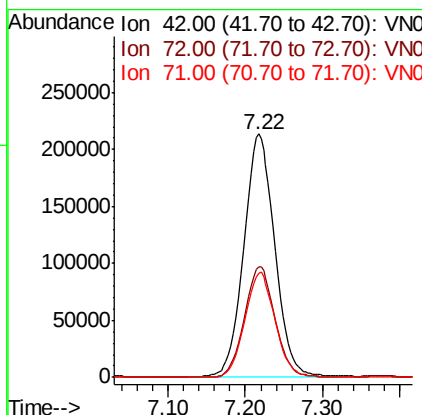
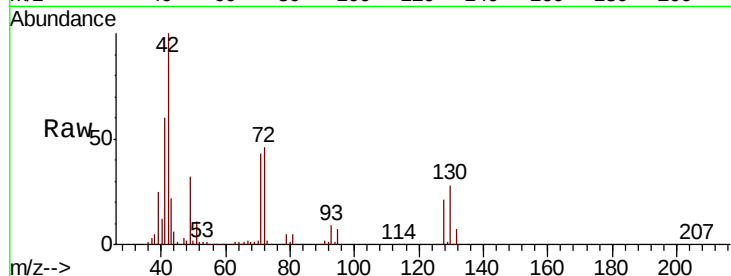
#29
Tetrahydrofuran
Concen: 286.632 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN050279.D
Acq: 2 Aug 2018 21:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	35.9	53.9
71	42.4	33.7	50.5

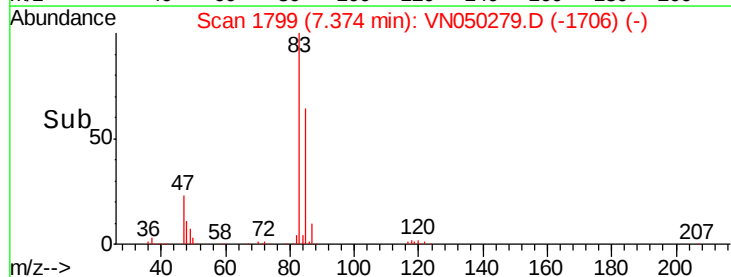
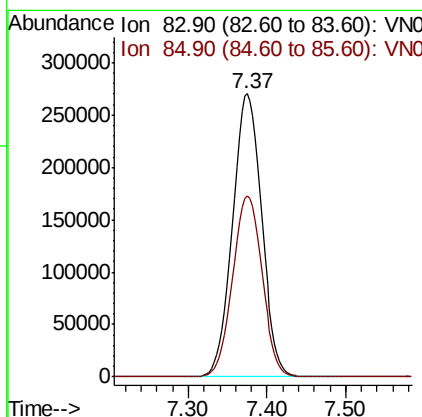
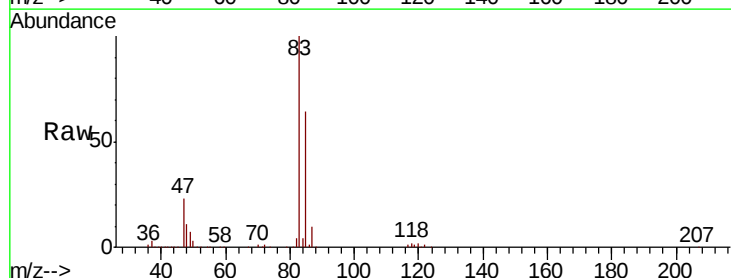
Manual Integrations
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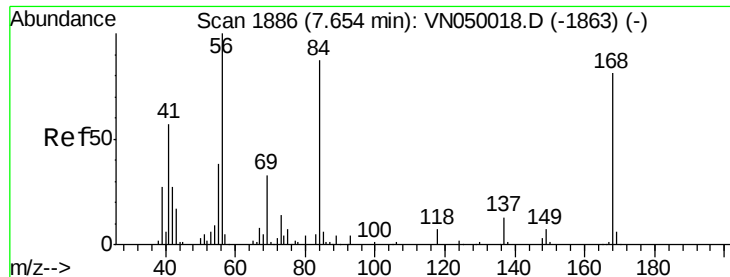
MMDadoda
8/3/2018 9:36:48 AM



#30
Chloroform
Concen: 48.921 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050279.D
Acq: 2 Aug 2018 21:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.5	78.7





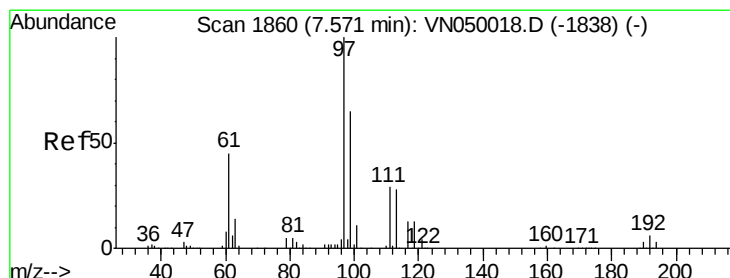
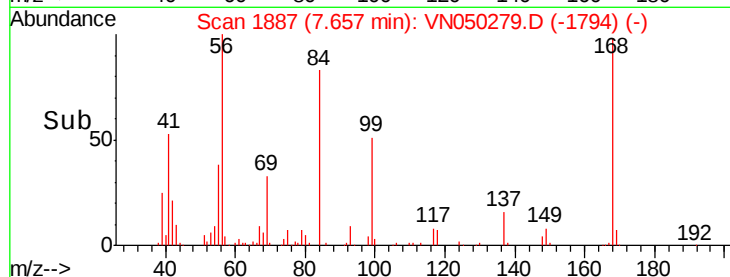
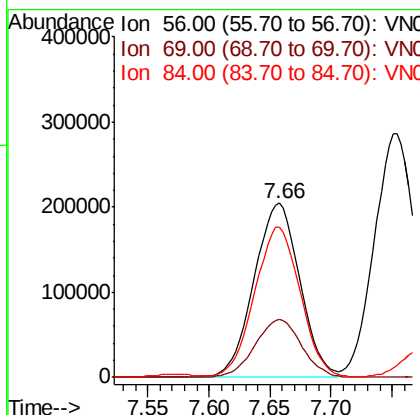
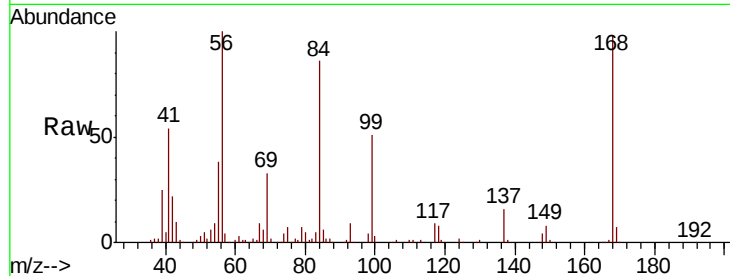
#31
Cvclohexane
Concen: 46.171 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050279.D
Acq: 2 Aug 2018 21:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
56	100			
69	33.1	26.2	39.4	
84	85.0	67.4	101.0	

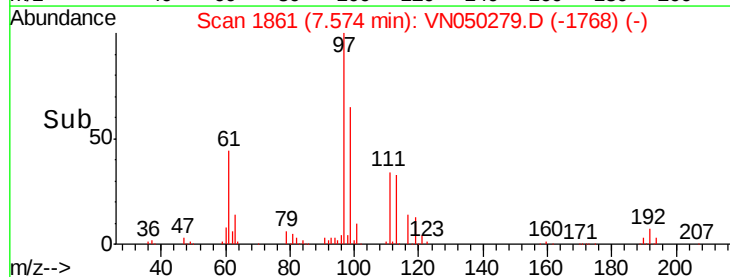
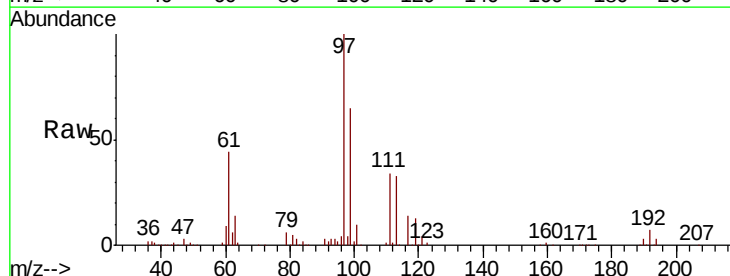
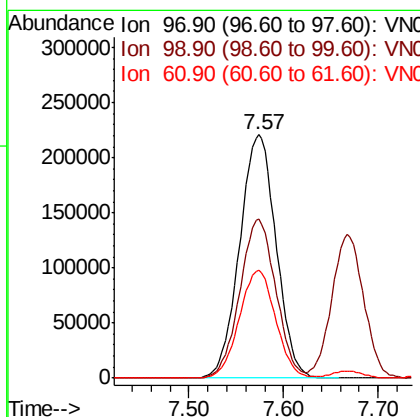
Manual Integrations
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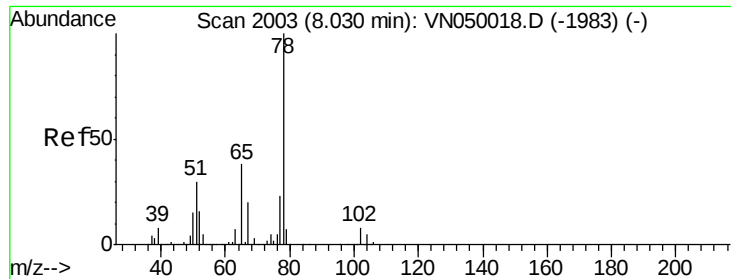
MMDadoda
8/3/2018 9:36:48 AM



#32
1,1,1-Trichloroethane
Concen: 48.532 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN050279.D
Acq: 2 Aug 2018 21:59

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
99	64.4	51.4	77.0	
61	44.1	35.4	53.0	





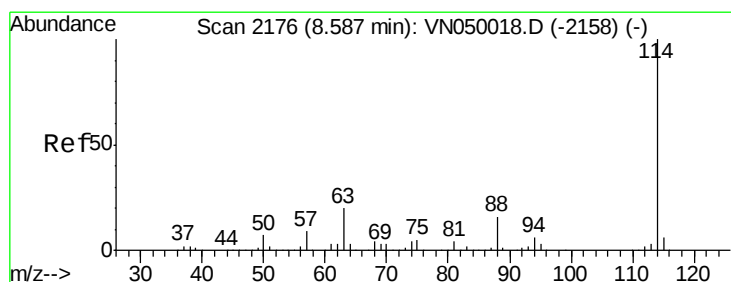
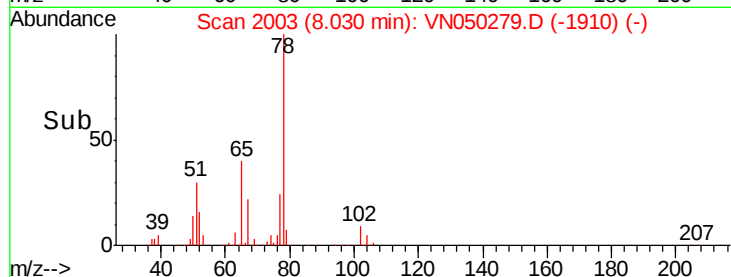
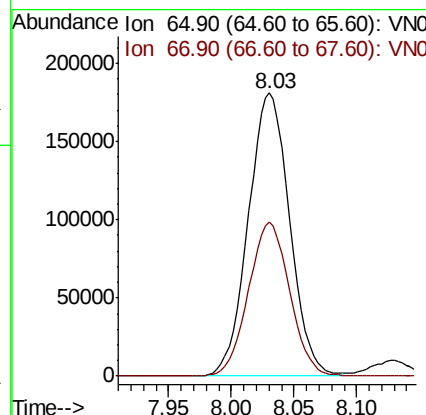
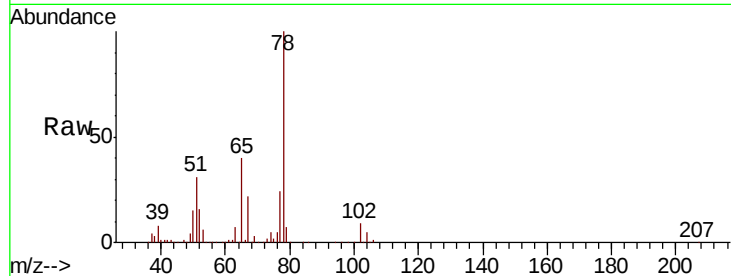
#33
 1,2-Dichloroethane-d4
 Concen: 49.345 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050279.D
 Acq: 2 Aug 2018 21:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	414924		
67	54.4	0.0	108.4	

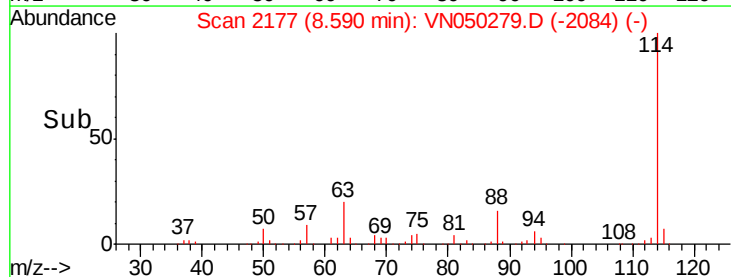
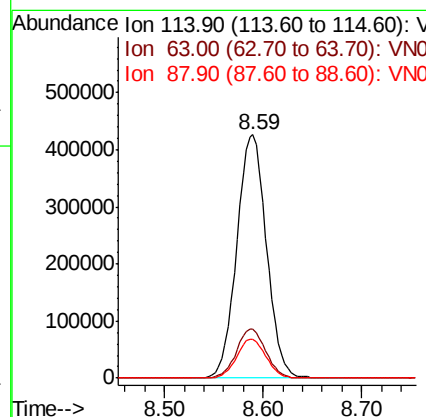
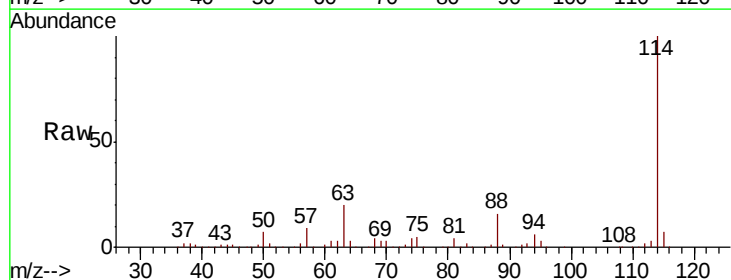
Manual Integrations
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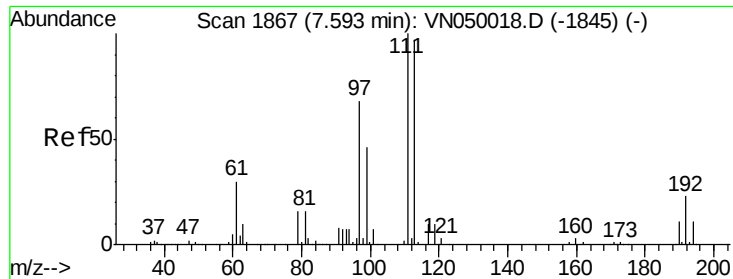
MMDadoda
 8/3/2018 9:36:48 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050279.D
 Acq: 2 Aug 2018 21:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	891821		
63	20.0	0.0	40.0	
88	16.1	0.0	31.2	





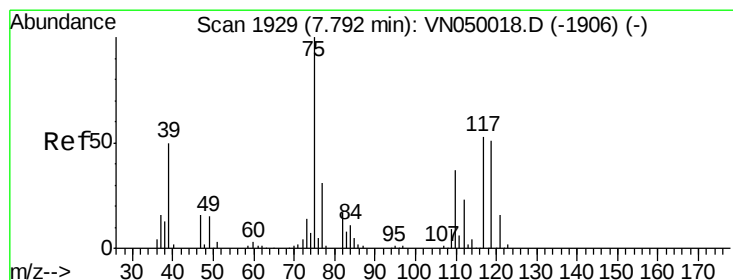
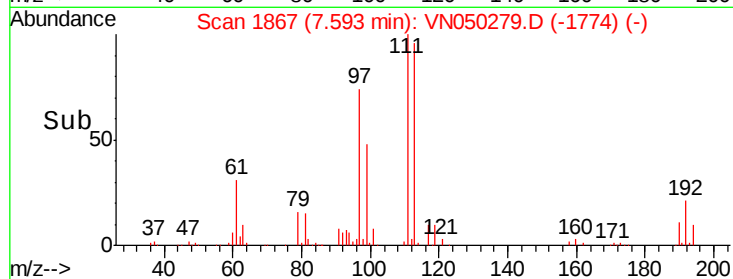
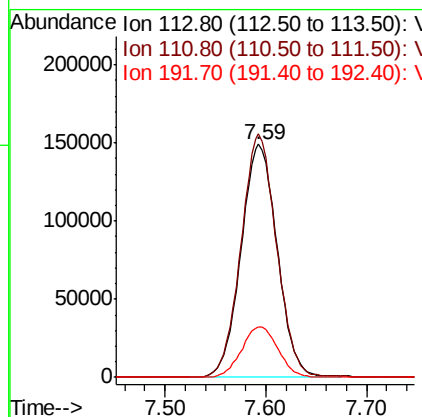
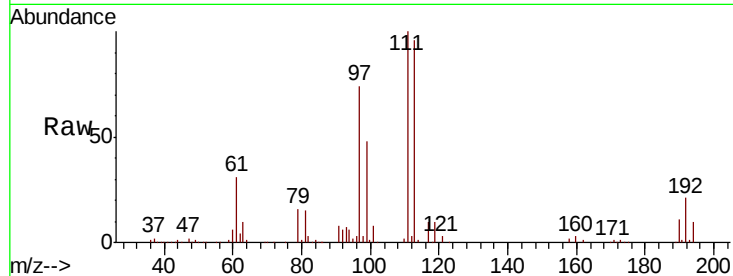
#35
 Dibromofluoromethane
 Concen: 50.896 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050279.D
 Acq: 2 Aug 2018 21:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	370595		
111	102.7	80.7	121.1	
192	21.9	17.8	26.6	

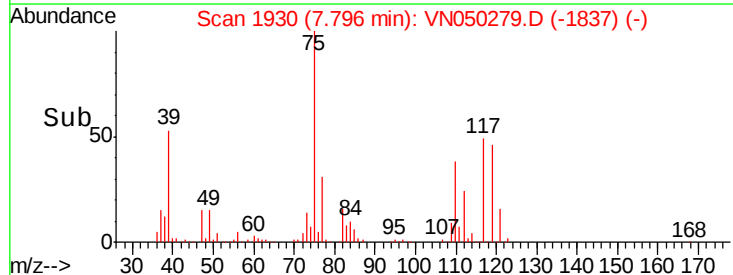
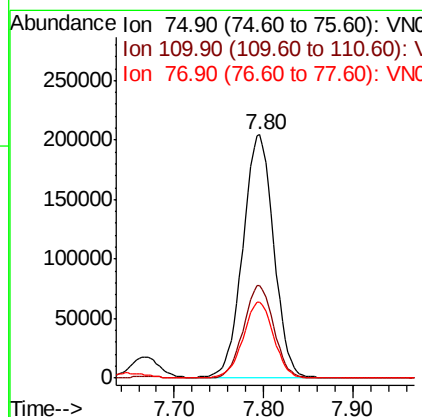
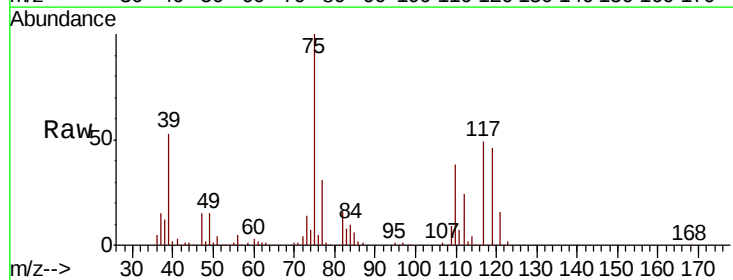
Manual Integrations
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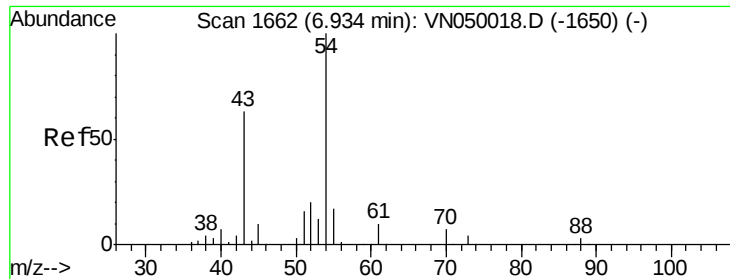
MMDadoda
 8/3/2018 9:36:48 AM



#36
 1,1-Dichloropropene
 Concen: 48.972 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050279.D
 Acq: 2 Aug 2018 21:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	492045		
110	37.4	18.4	55.2	
77	31.1	25.3	37.9	





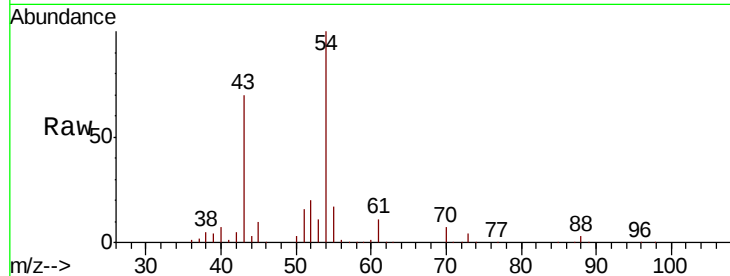
#37
Ethyl Acetate
Concen: 54.034 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050279.D
Acq: 2 Aug 2018 21:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.8	17.8
70	10.5	8.4	12.6

Manual Integrations
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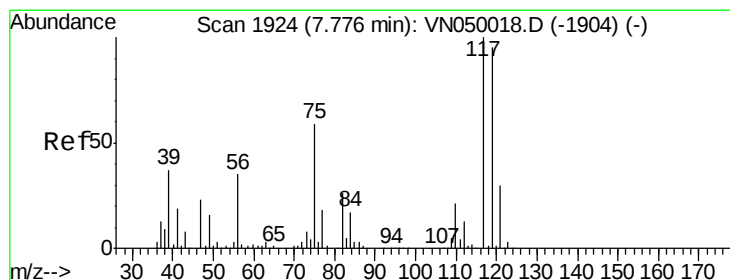
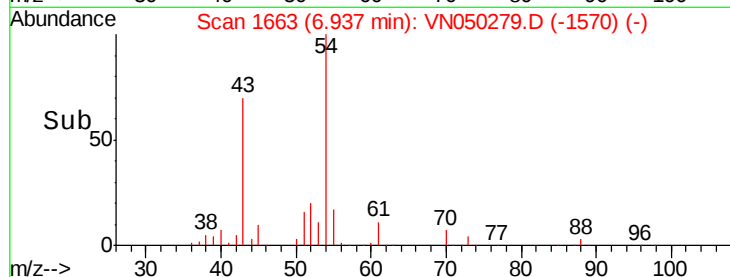
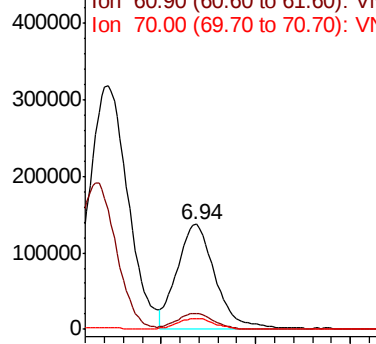


Abundance

Ion 43.00 (42.70 to 43.70): VN0

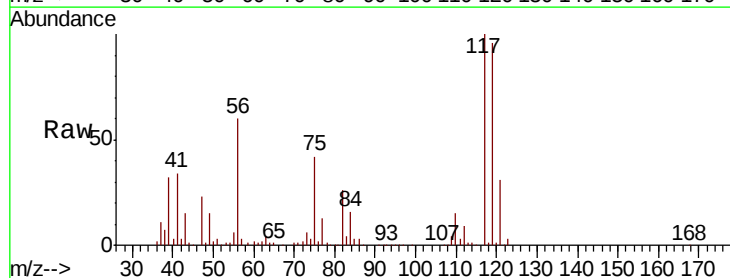
Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0



#38
Carbon Tetrachloride
Concen: 48.606 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050279.D
Acq: 2 Aug 2018 21:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.4	116.0
121	31.4	23.9	35.9

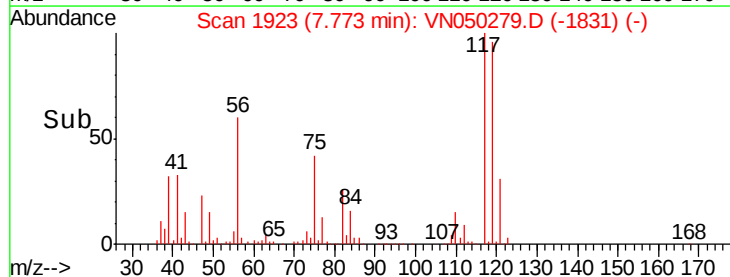
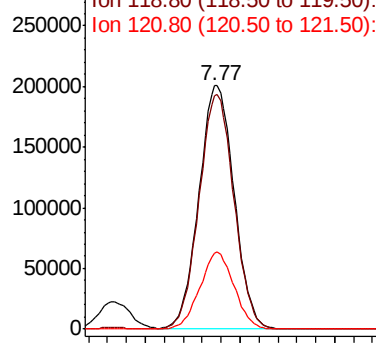


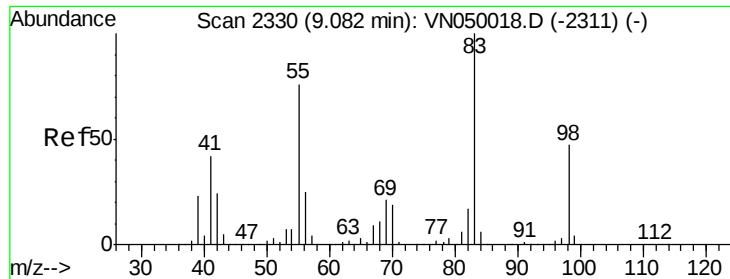
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





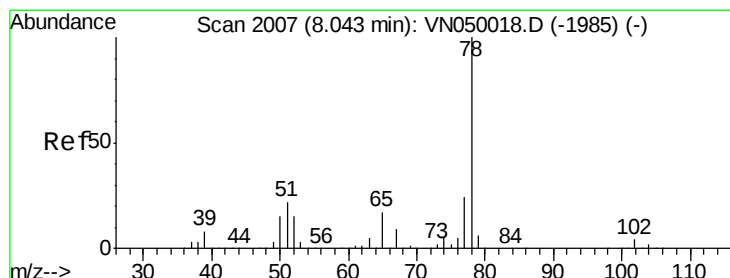
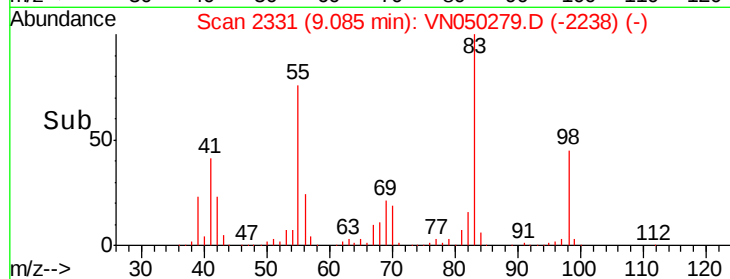
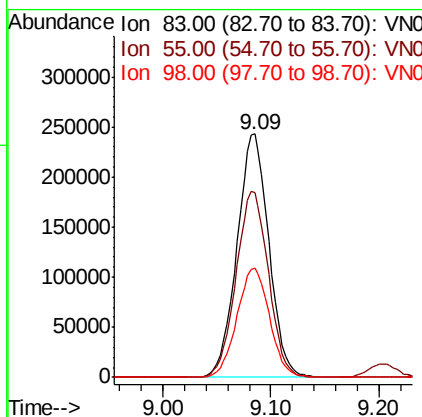
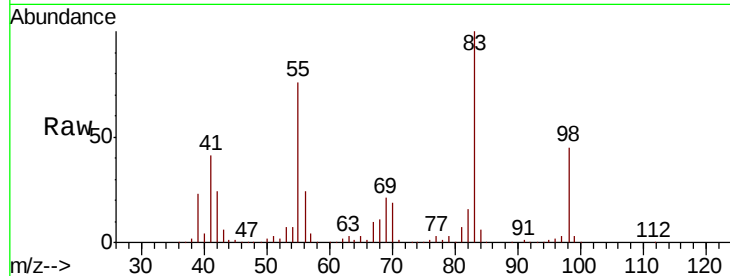
#39
Methvlcvclohexane
Concen: 48.251 ug/l
RT: 9.09 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VN050279.D
Acq: 2 Aug 2018 21:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	498735		
55	76.1		61.8	92.8
98	44.8		36.5	54.7

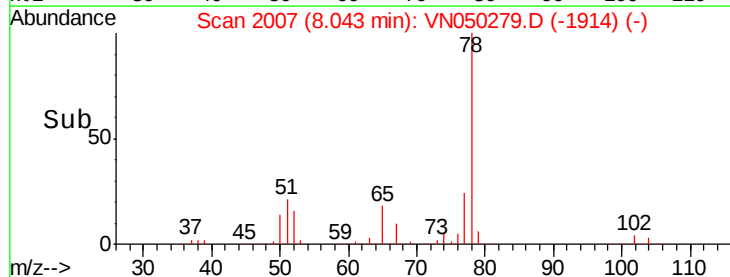
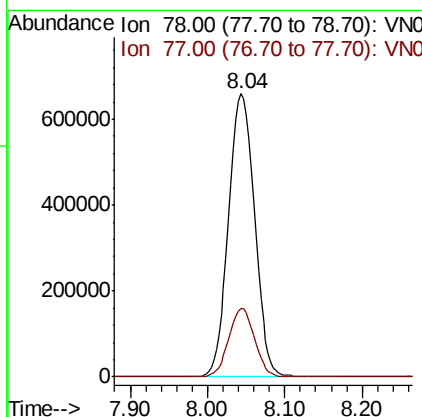
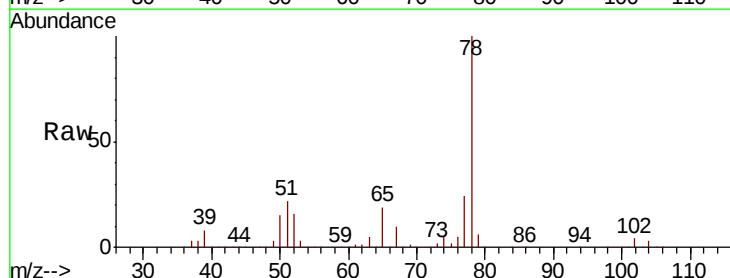
Manual Integrations
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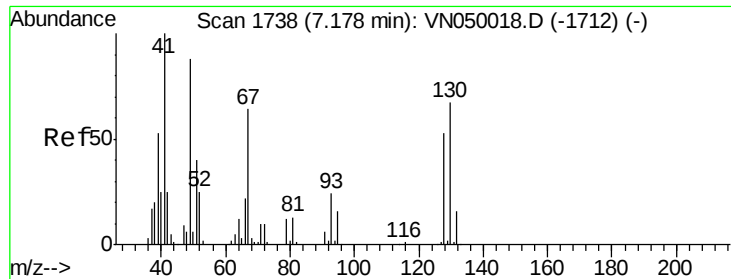
MMDadoda
8/3/2018 9:36:48 AM



#40
Benzene
Concen: 50.334 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050279.D
Acq: 2 Aug 2018 21:59

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1538926		
77	24.2		18.7	28.1





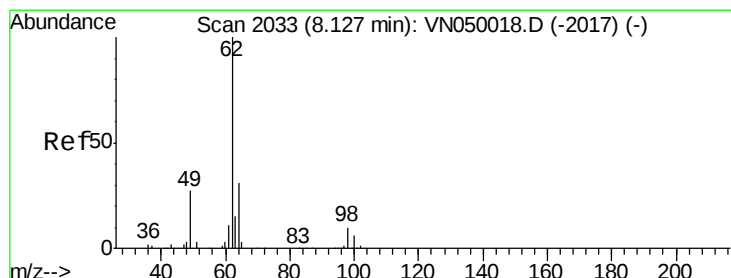
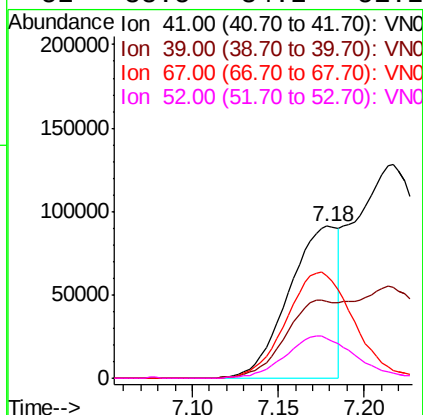
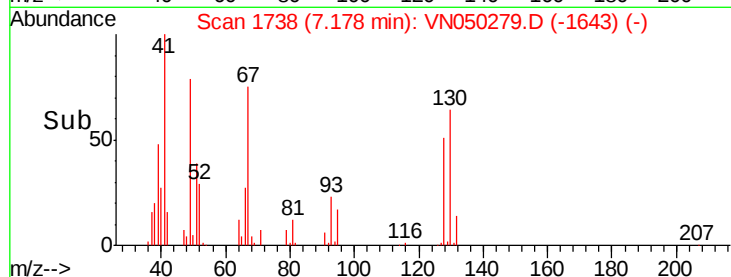
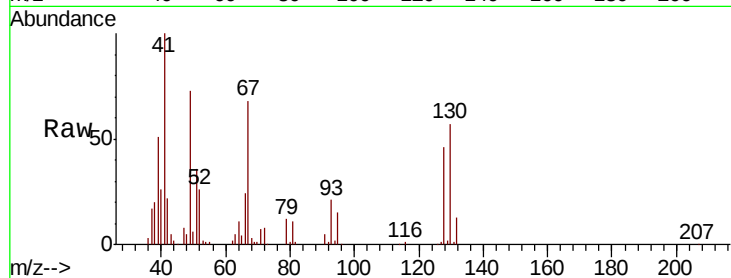
#41
Methacrylonitrile
Concen: 49.921 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050279.D
Acq: 2 Aug 2018 21:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	48.1	55.8	83.6#
67	96.3	84.3	126.5
52	38.5	34.2	51.2

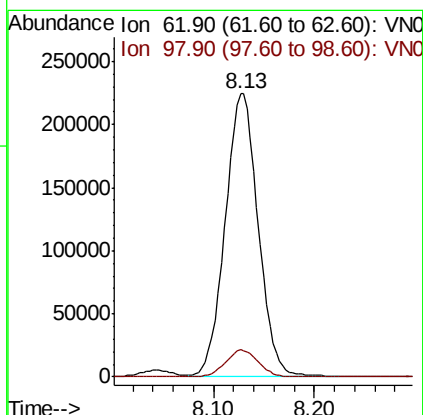
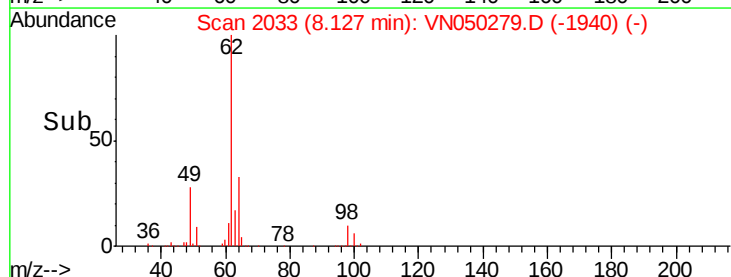
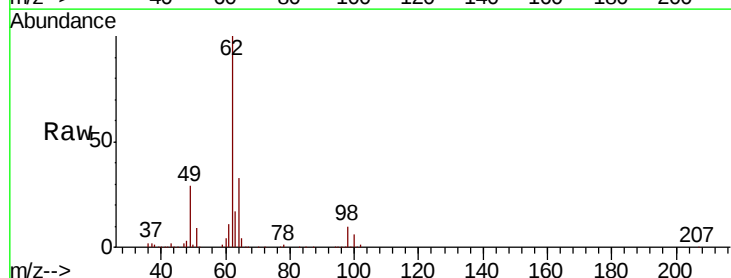
Manual Integrations
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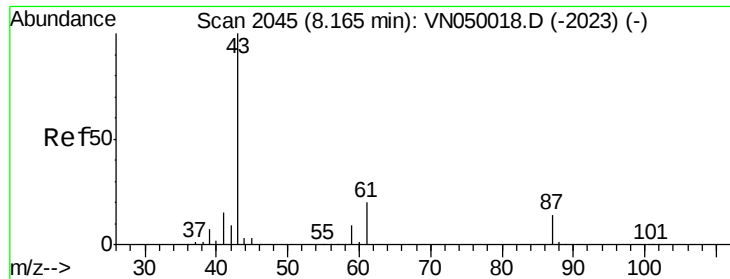
MMDadoda
8/3/2018 9:36:48 AM



#42
1,2-Dichloroethane
Concen: 49.916 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050279.D
Acq: 2 Aug 2018 21:59

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.8





#43

Isopropyl Acetate

Concen: 56.043 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050279.D

Acq: 2 Aug 2018 21:59

Instrument :

MSVOA_N

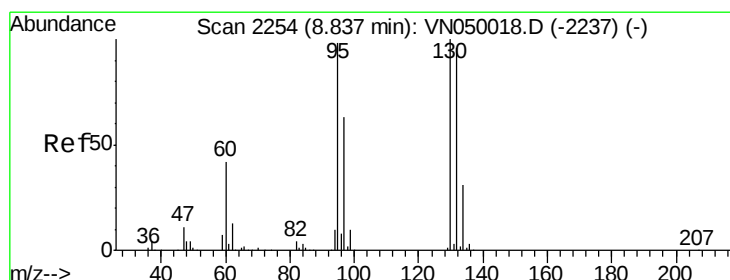
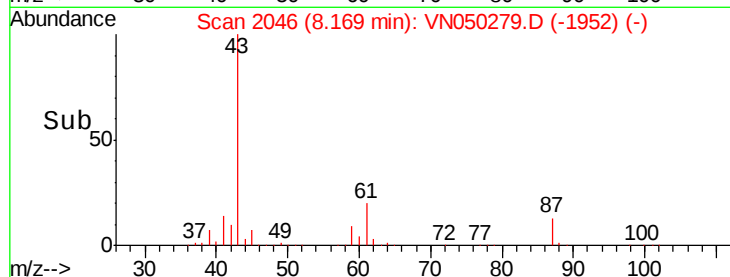
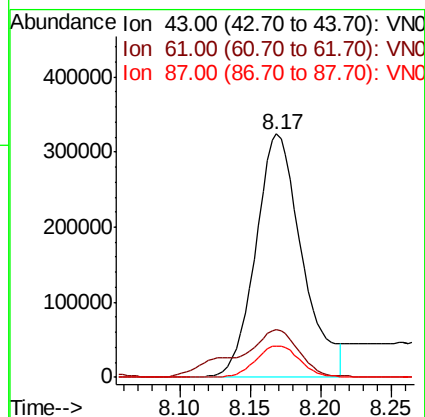
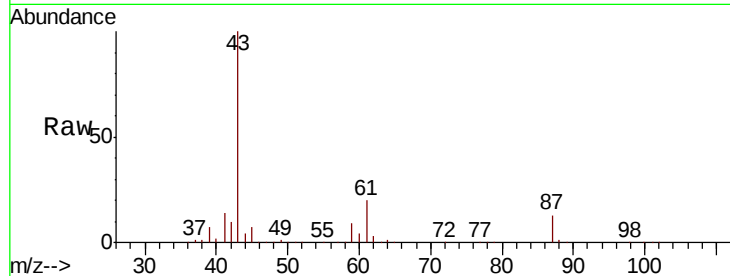
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	738007
Ion	Ratio	Lower	Upper
43	100		
61	18.6	15.8	23.6
87	12.5	10.3	15.5

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#44

Trichloroethene

Concen: 47.526 ug/l

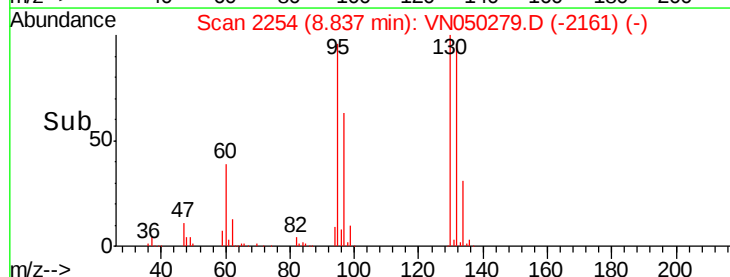
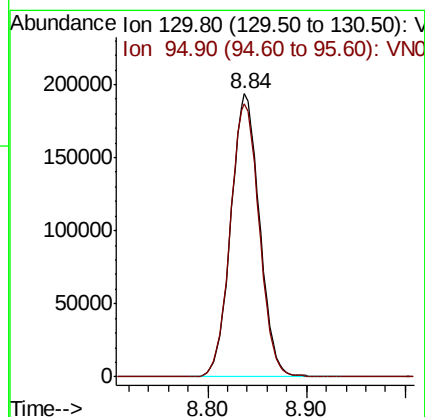
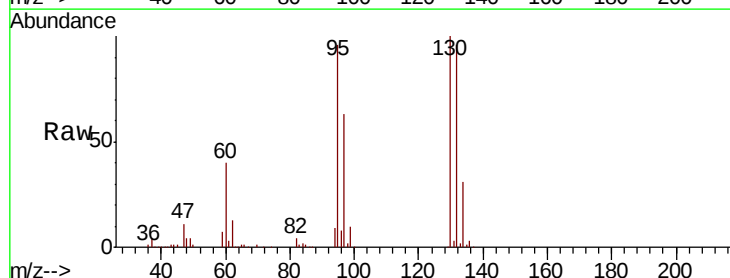
RT: 8.84 min Scan# 2254

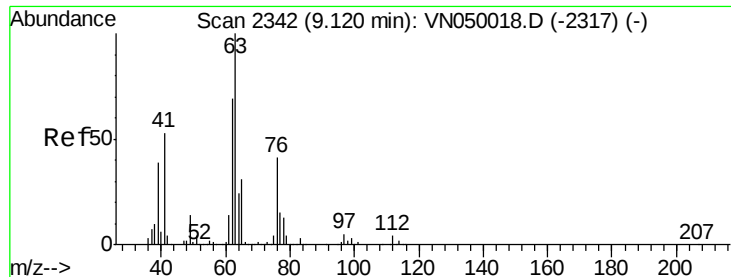
Delta R.T. 0.00 min

Lab File: VN050279.D

Acq: 2 Aug 2018 21:59

Tgt Ion:	130	Resp:	390456
Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	194.6





#45

1,2-Dichloropropane

Concen: 51.676 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050279.D

Acq: 2 Aug 2018 21:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 418481

Ion Ratio Lower Upper

63 100

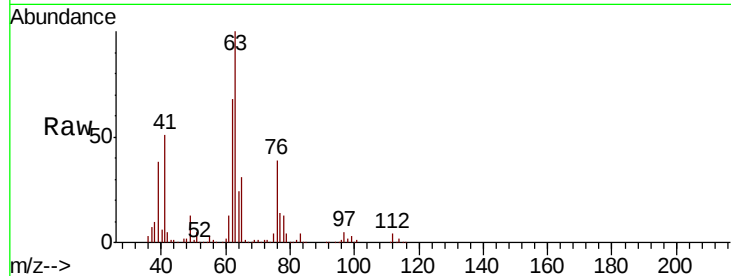
65 31.1 25.5 38.3

Manual Integrations

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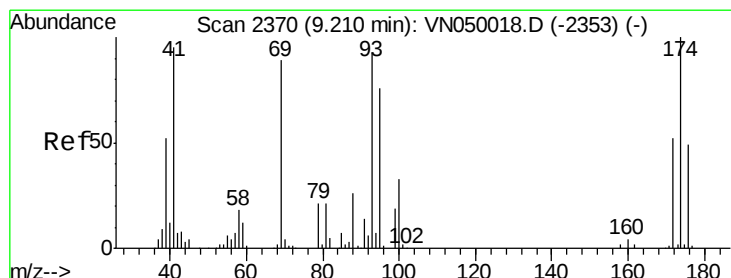
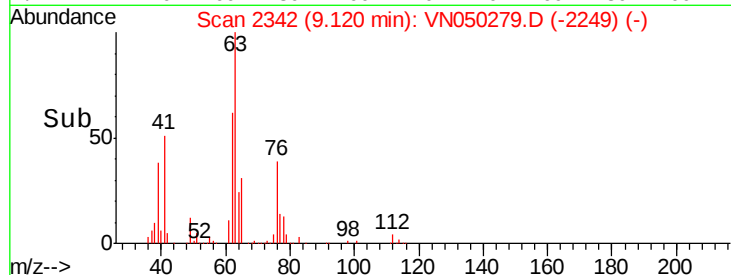
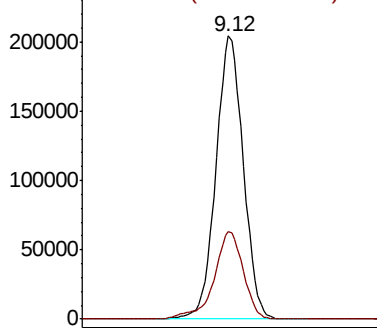
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8/3/2018 9:36:48 AM



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 51.148 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050279.D

Acq: 2 Aug 2018 21:59

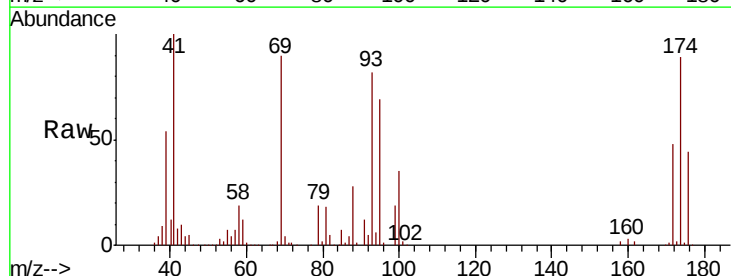
Tgt Ion: 93 Resp: 257194

Ion Ratio Lower Upper

93 100

95 84.6 66.6 100.0

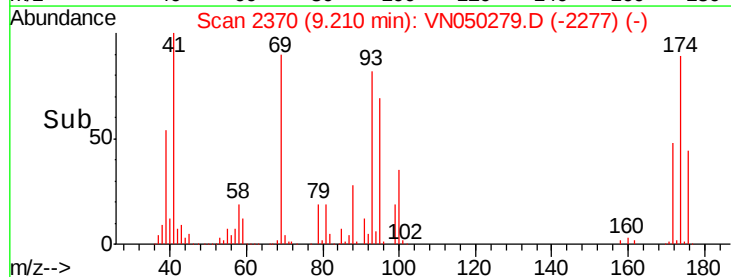
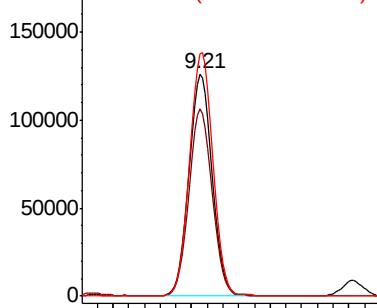
174 109.8 87.1 130.7

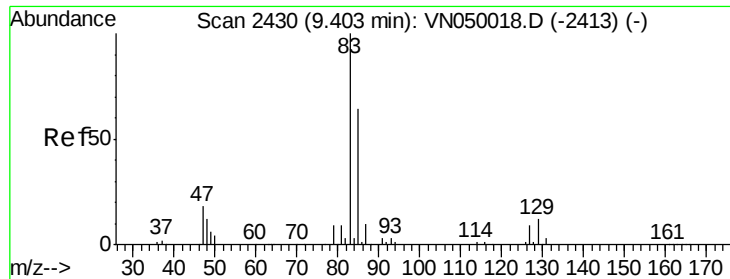


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





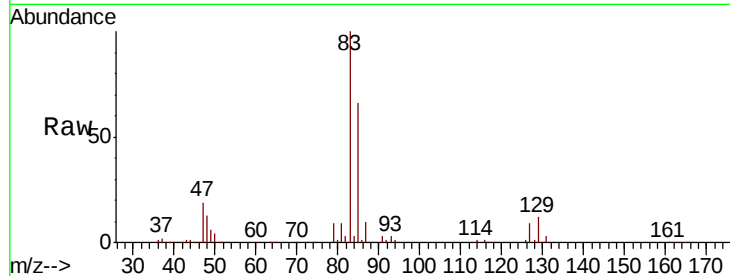
#47
Bromodichloromethane
Concen: 51.318 ug/l
RT: 9.41 min Scan# 2431
Delta R.T. 0.00 min
Lab File: VN050279.D
Acq: 2 Aug 2018 21:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

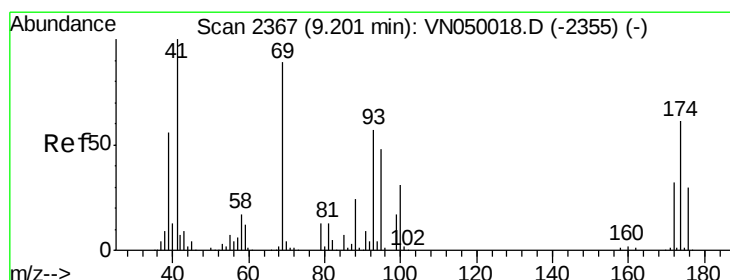
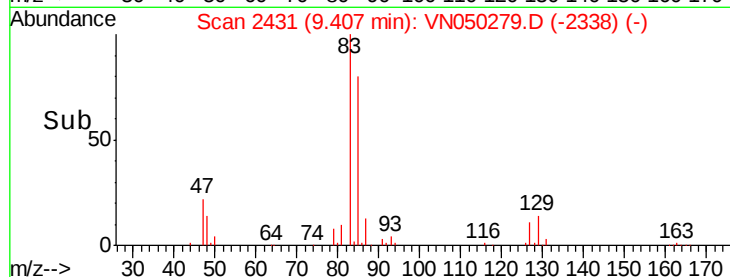
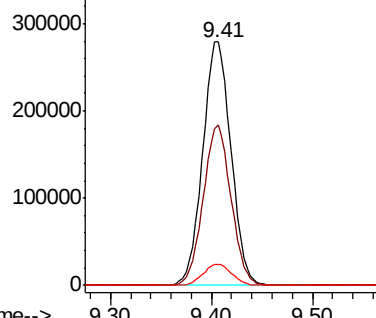
Tot Ion	Ratio	Resp	Lower	Upper
83	100	544625		
85	65.7		51.1	76.7
127	8.8		7.0	10.4

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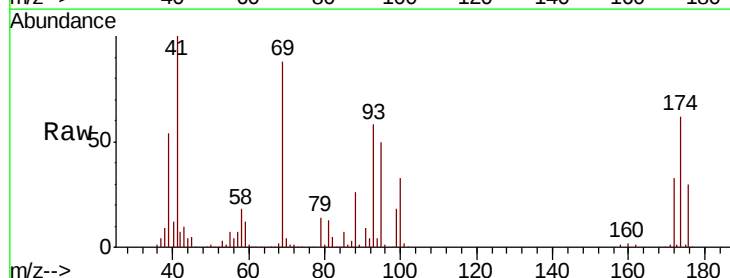


Abundance Ion 82.90 (82.60 to 83.60): VN050279.D (-2438) (-)

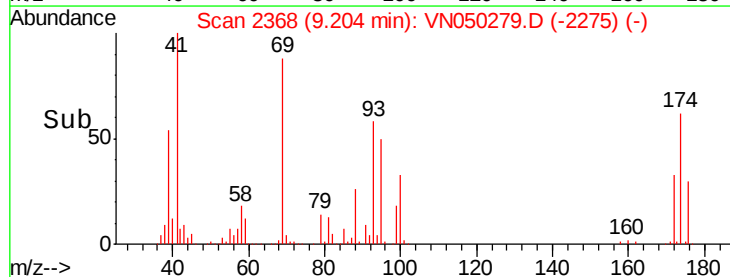
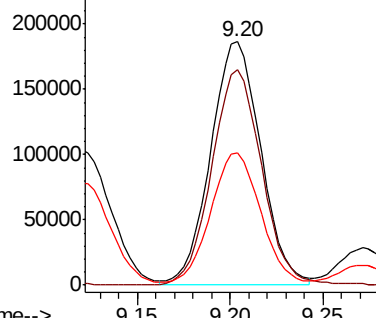


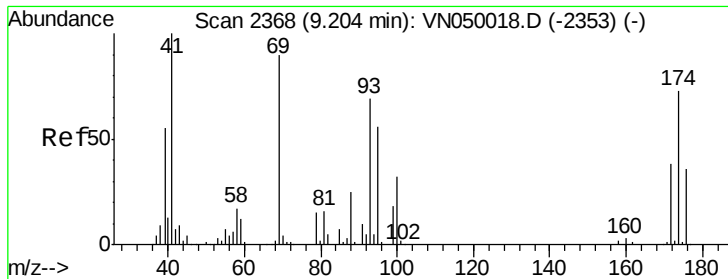
#48
Methyl methacrylate
Concen: 57.639 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050279.D
Acq: 2 Aug 2018 21:59

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	347742		
69	89.1		70.6	105.8
39	54.9		43.9	65.9



Abundance Ion 41.00 (40.70 to 41.70): VN050279.D (-2275) (-)





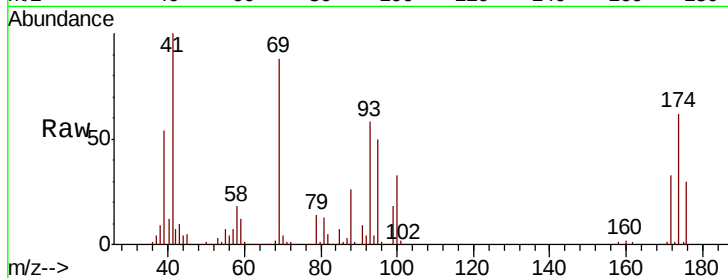
#49
1,4-Dioxane
Concen: 1236.904 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050279.D
Acq: 2 Aug 2018 21:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	33.3	26.9	40.3	
58	69.6	57.3	85.9	

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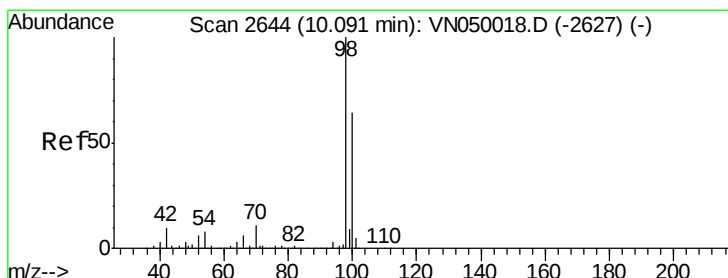
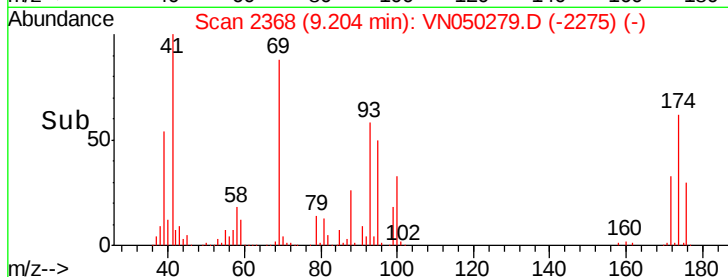
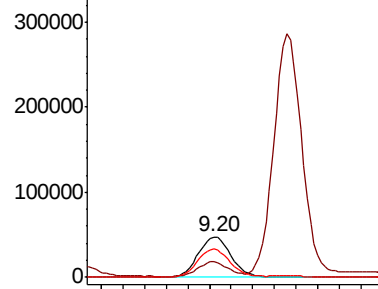


Abundance

Ion 88.00 (87.70 to 88.70): VN050018.D (-2353) (-)

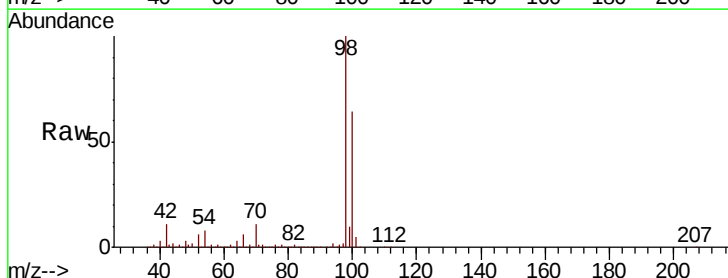
Ion 43.00 (42.70 to 43.70): VN050018.D (-2353) (-)

Ion 58.00 (57.70 to 58.70): VN050018.D (-2353) (-)



#50
Toluene-d8
Concen: 50.425 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050279.D
Acq: 2 Aug 2018 21:59

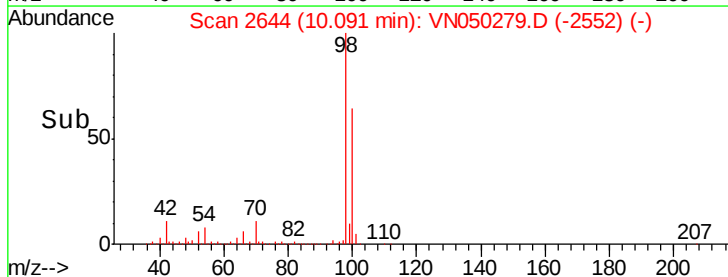
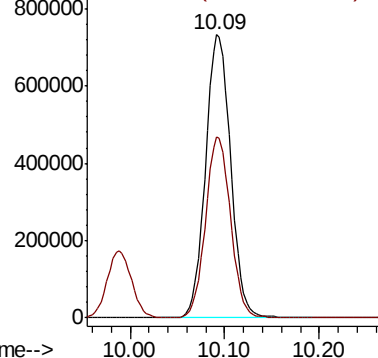
Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	63.9	50.7	76.1	

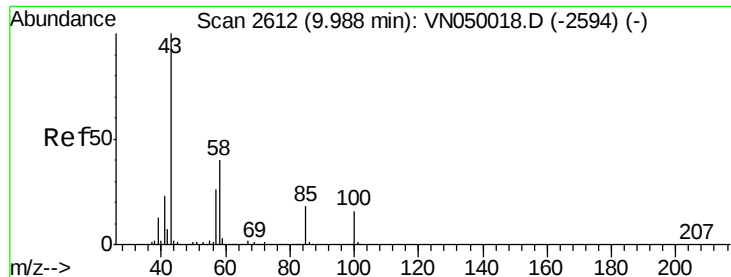


Abundance

Ion 98.00 (97.70 to 98.70): VN050018.D (-2627) (-)

Ion 100.00 (99.70 to 100.70): VN050018.D (-2627) (-)





#51

4-Methyl-2-Pentanone

Concen: 299.735 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN050279.D

Acq: 2 Aug 2018 21:59

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 2064127

Ion Ratio Lower Upper

43 100

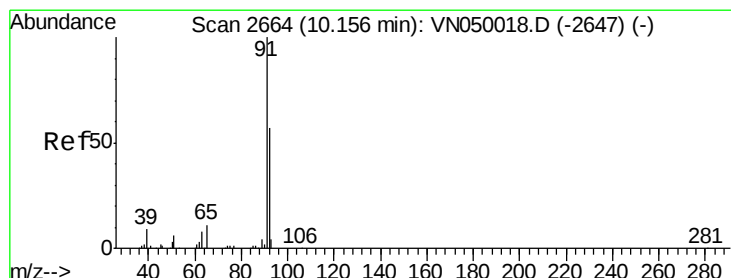
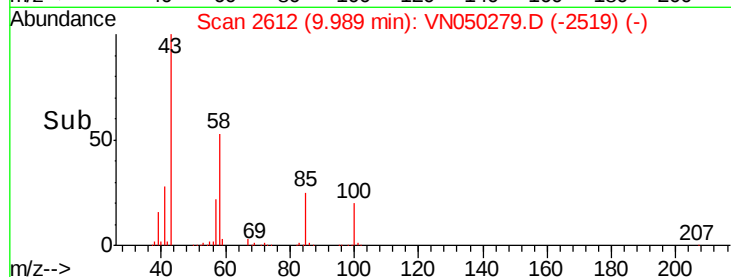
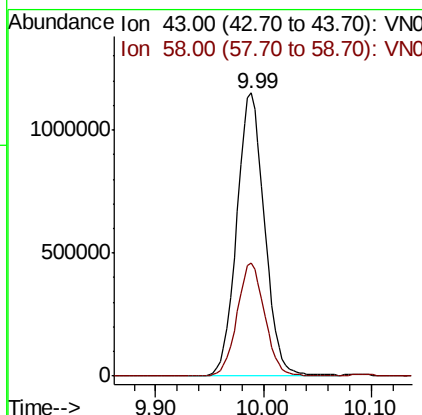
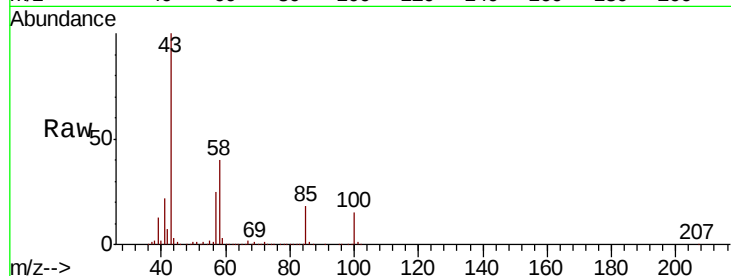
58 39.6 31.9 47.9

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#52

Toluene

Concen: 52.260 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN050279.D

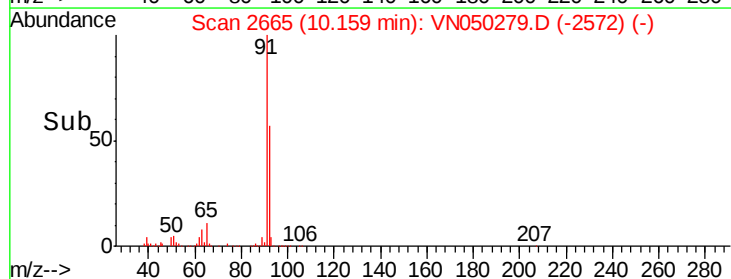
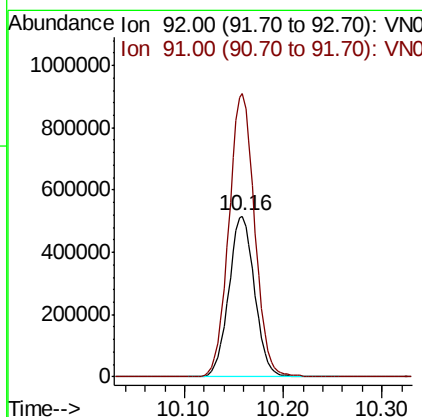
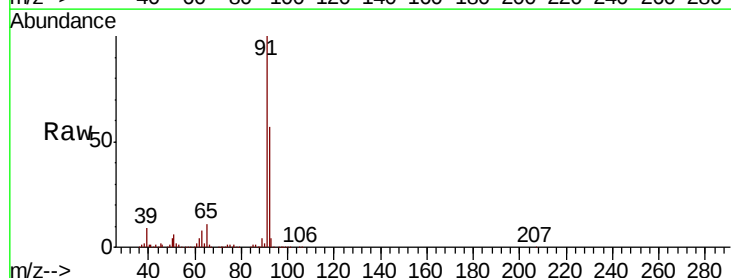
Acq: 2 Aug 2018 21:59

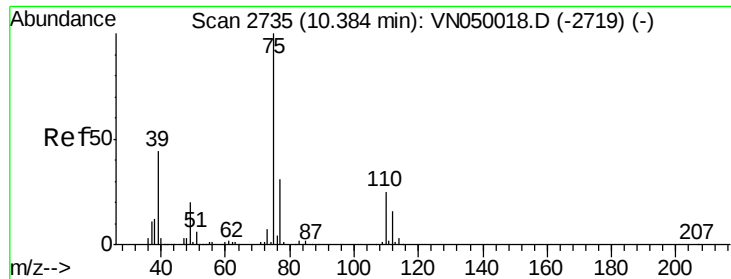
Tgt Ion: 92 Resp: 943171

Ion Ratio Lower Upper

92 100

91 176.6 140.3 210.5





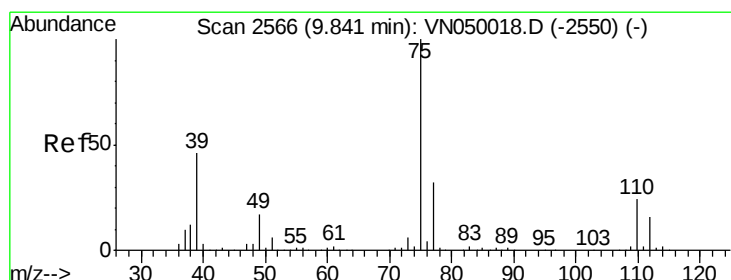
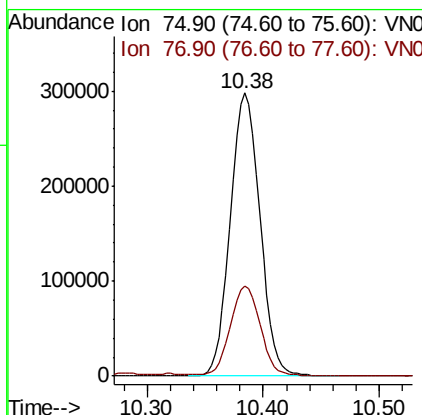
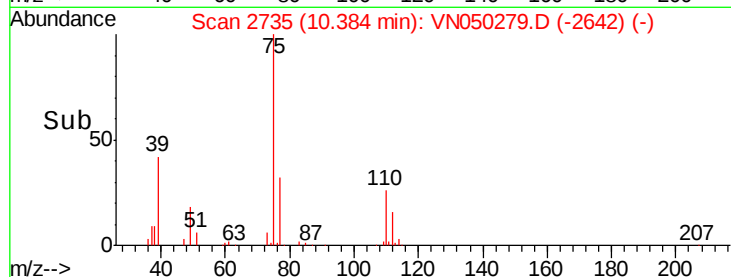
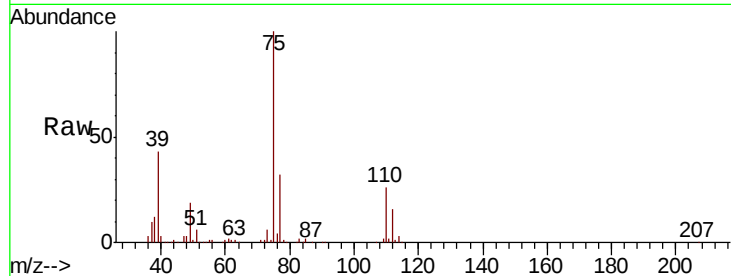
#53
 t-1,3-Dichloropropene
 Concen: 52.647 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN050279.D
 Acq: 2 Aug 2018 21:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.9	37.3

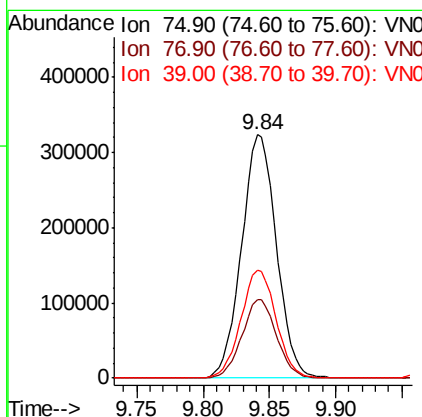
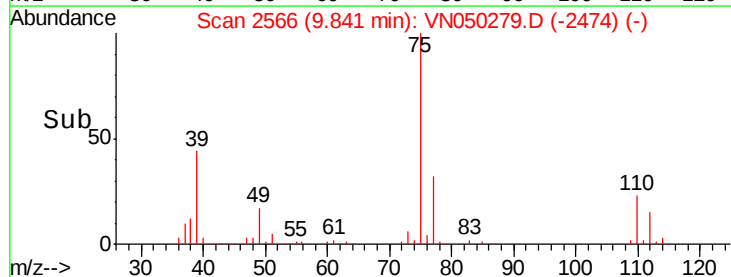
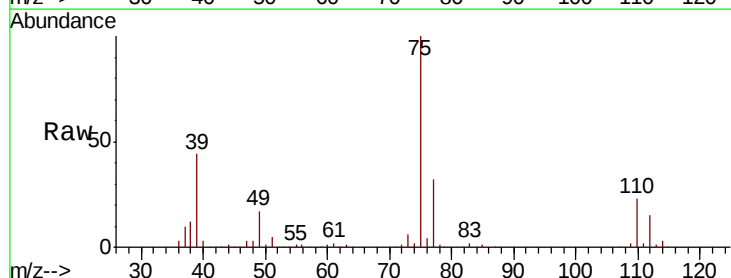
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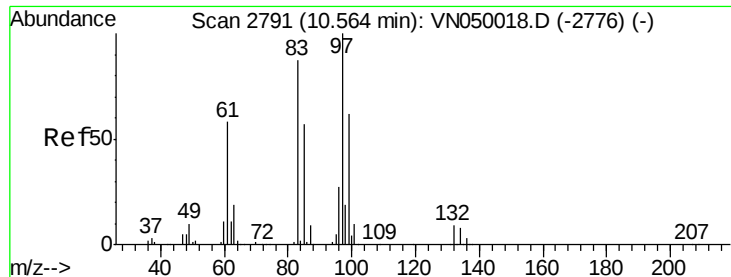
MMDadoda
 8/3/2018 9:36:48 AM



#54
 cis-1,3-Dichloropropene
 Concen: 51.628 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN050279.D
 Acq: 2 Aug 2018 21:59

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.5	38.3
39	44.3	36.6	55.0





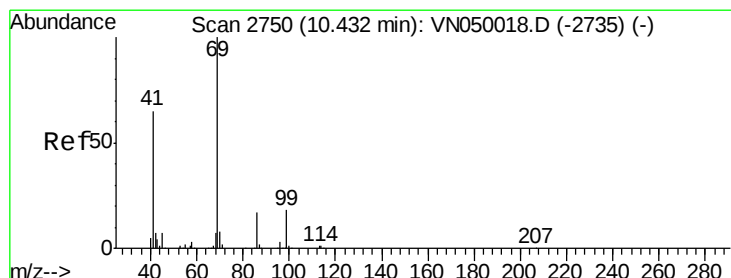
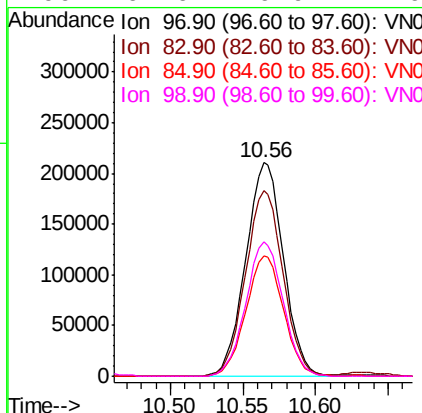
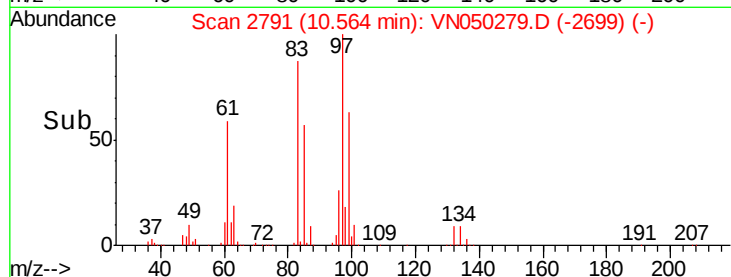
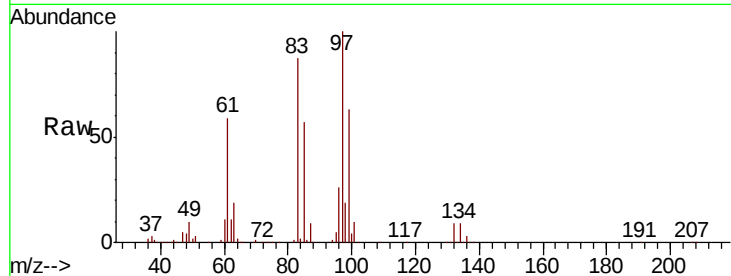
#55
 1,1,2-Trichloroethane
 Concen: 53.343 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050279.D
 Acq: 2 Aug 2018 21:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		381863		
83	87.0	69.2	103.8		
85	56.6	44.0	66.0		
99	62.6	49.9	74.9		

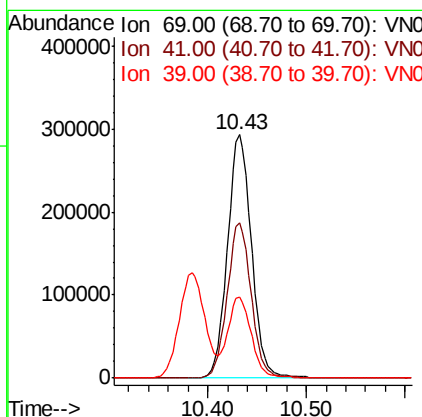
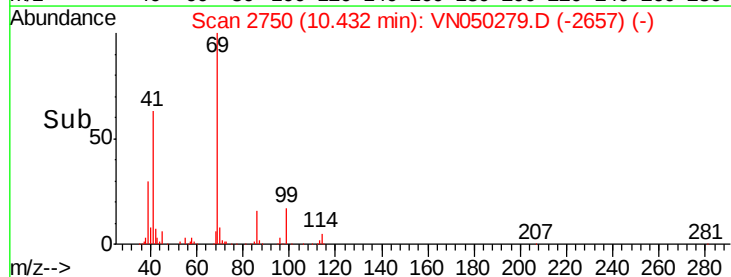
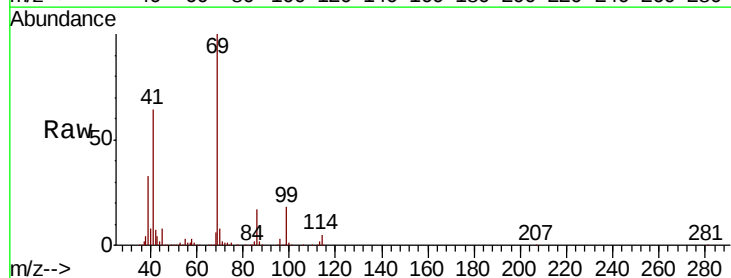
Manual Integrations
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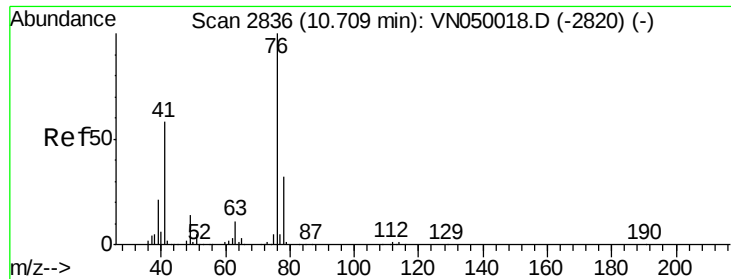
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 8/3/2018 9:36:48 AM



#56
 Ethyl methacrylate
 Concen: 51.467 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050279.D
 Acq: 2 Aug 2018 21:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		499686		
41	63.0	51.0	76.4		
39	32.7	26.6	40.0		





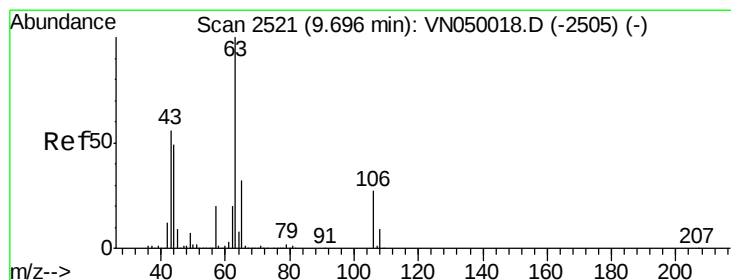
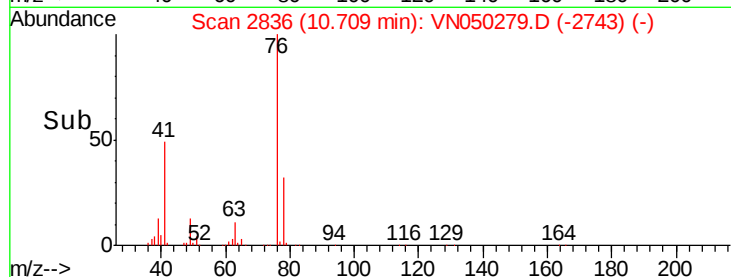
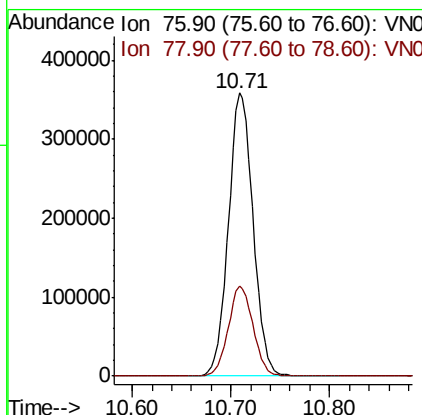
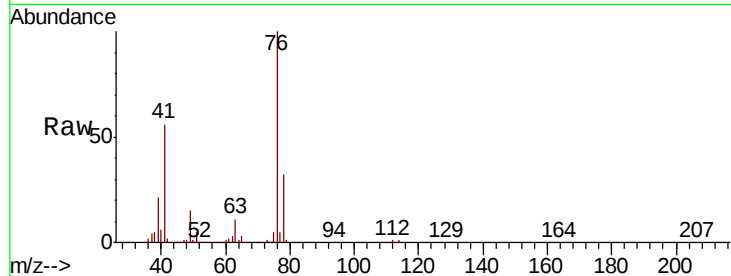
#57
 1,3-Dichloropropane
 Concen: 53.819 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050279.D
 Acq: 2 Aug 2018 21:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 627360
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.7 38.5

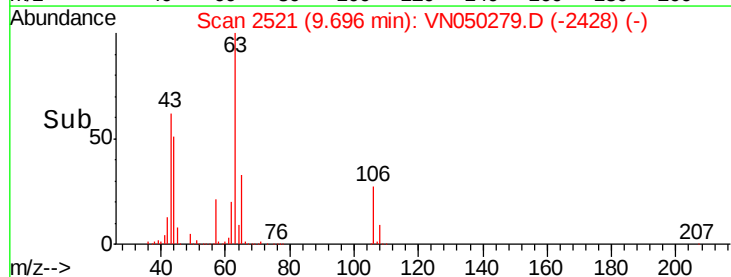
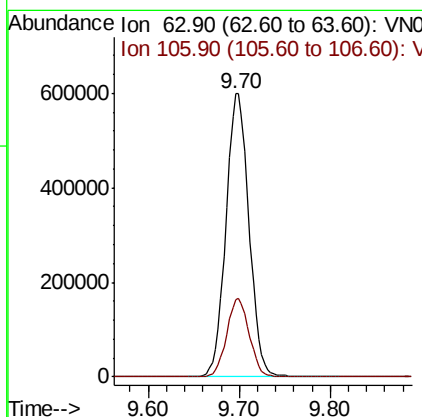
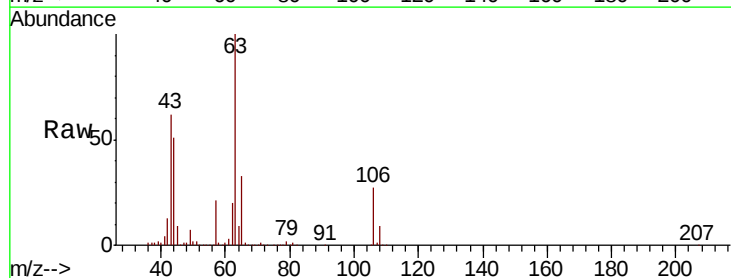
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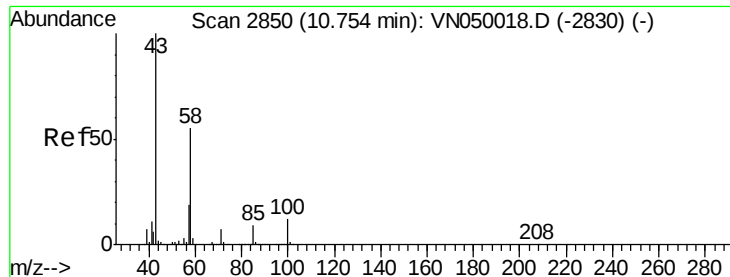
MMDadoda
 8/3/2018 9:36:48 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 233.298 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050279.D
 Acq: 2 Aug 2018 21:59

Tgt Ion: 63 Resp: 1054284
 Ion Ratio Lower Upper
 63 100
 106 27.1 21.7 32.5





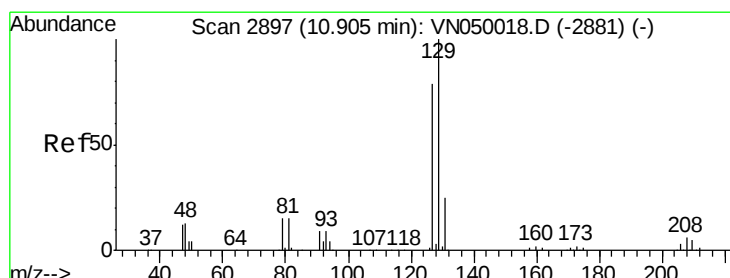
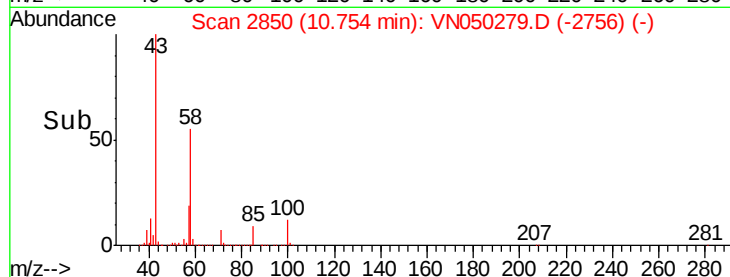
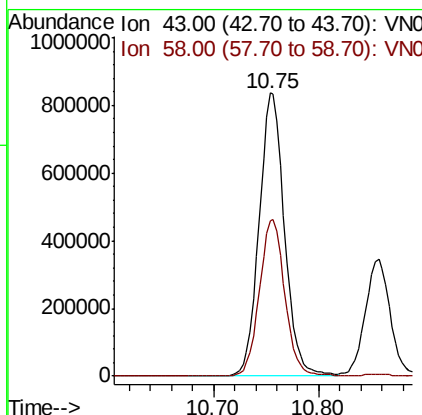
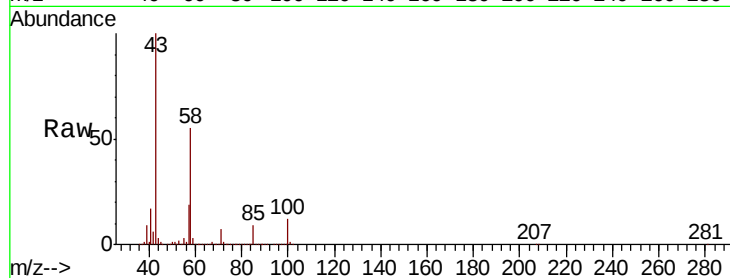
#59
2-Hexanone
Concen: 277.019 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050279.D
Acq: 2 Aug 2018 21:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1404686
Ion Ratio Lower Upper
43 100
58 55.8 27.6 82.7

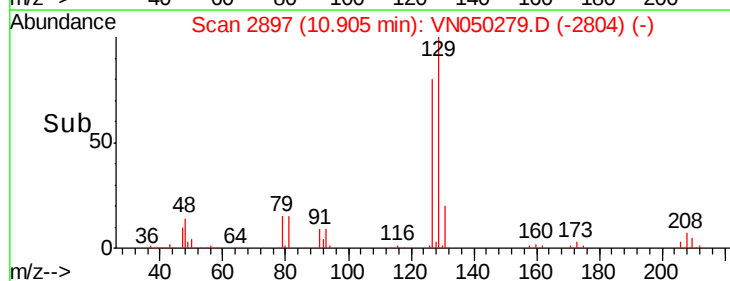
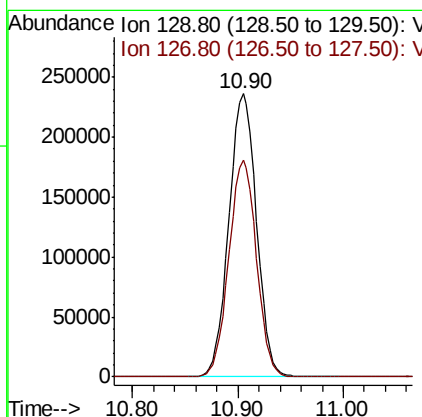
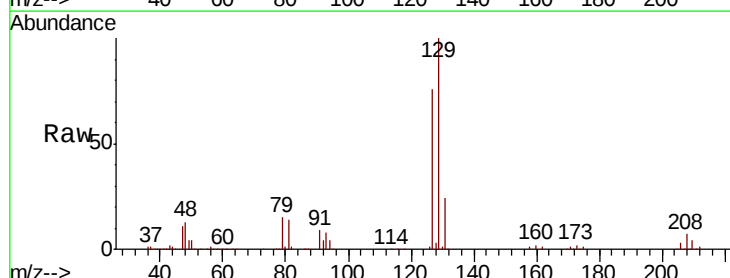
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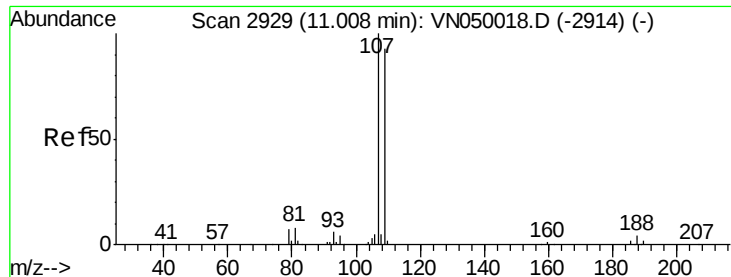
MMDadoda
8/3/2018 9:36:48 AM



#60
Dibromochloromethane
Concen: 54.000 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050279.D
Acq: 2 Aug 2018 21:59

Tgt Ion: 129 Resp: 427989
Ion Ratio Lower Upper
129 100
127 76.6 38.0 113.9





#61

1,2-Dibromoethane

Concen: 52.835 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050279.D

Acq: 2 Aug 2018 21:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 375267

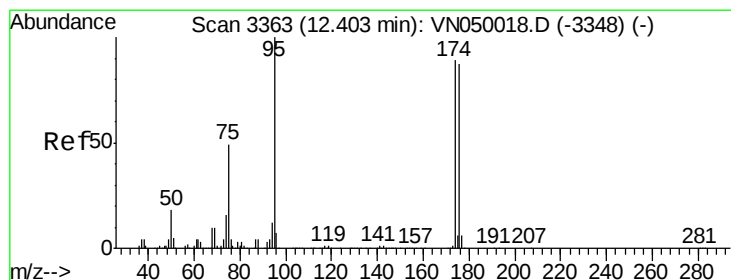
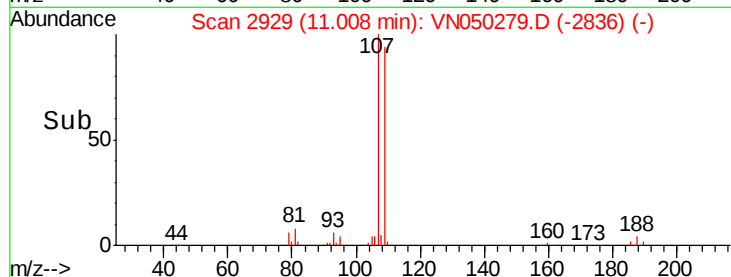
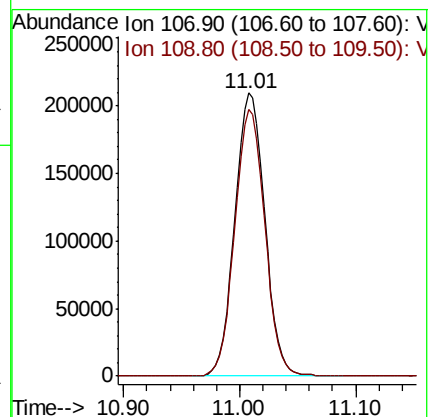
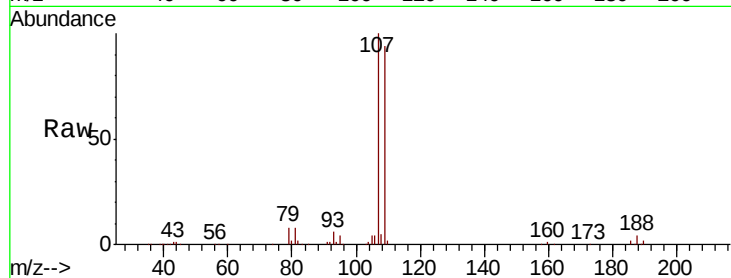
Ion Ratio Lower Upper

107 100

109 94.8 74.6 112.0

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#62

4-Bromofluorobenzene

Concen: 52.236 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050279.D

Acq: 2 Aug 2018 21:59

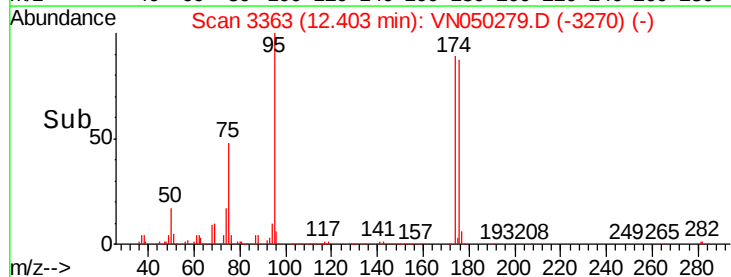
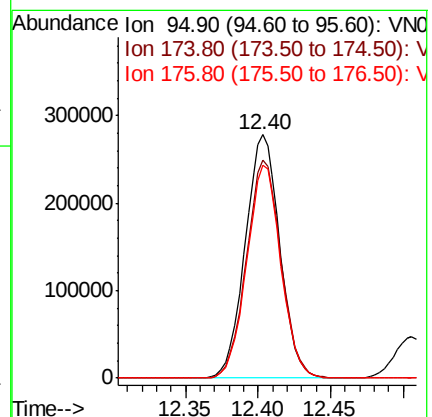
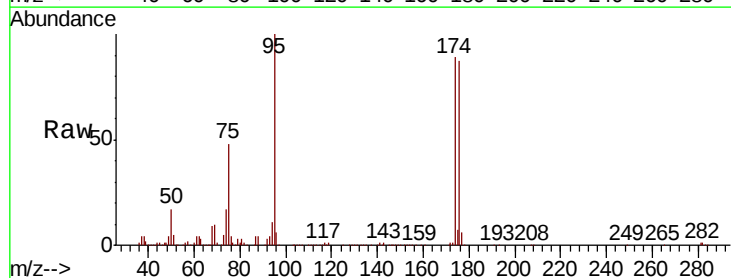
Tgt Ion: 95 Resp: 460444

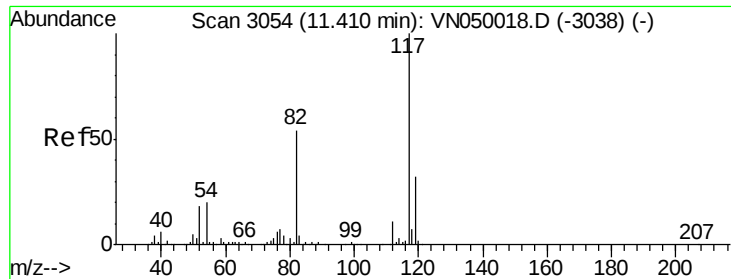
Ion Ratio Lower Upper

95 100

174 89.7 0.0 178.2

176 86.4 0.0 173.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050279.D

Acq: 2 Aug 2018 21:59

Instrument :

MSVOA_N

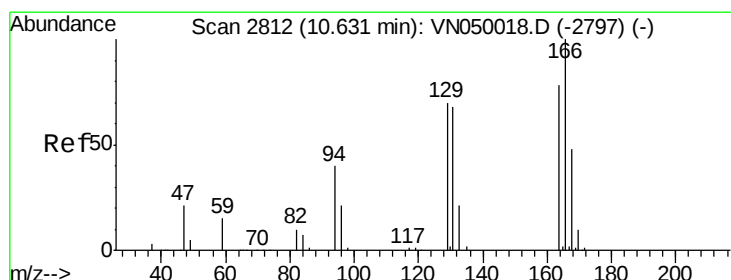
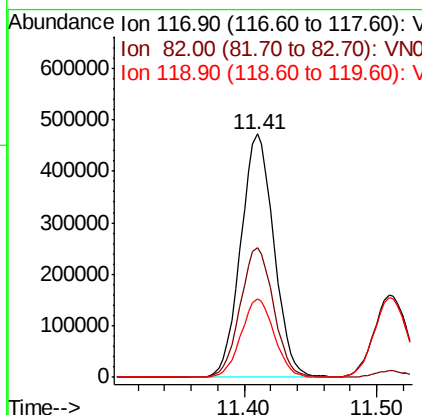
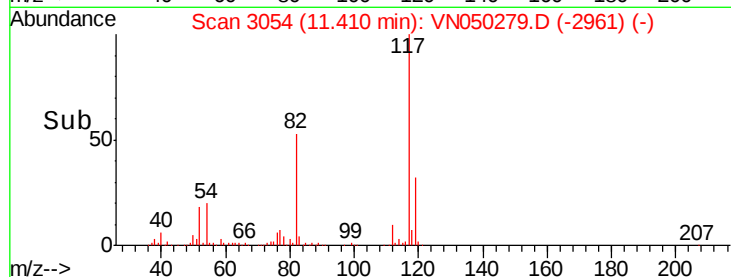
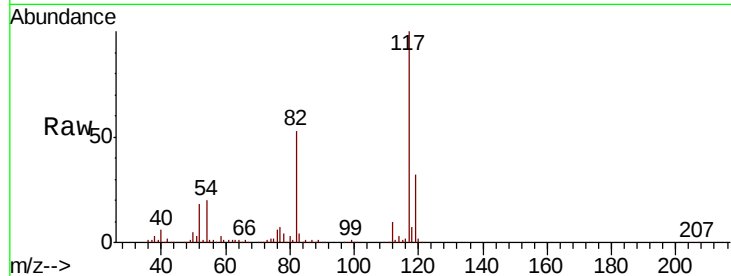
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	820977
Ion Ratio	Lower	Upper	
117	100		
82	53.1	43.7	65.5
119	32.1	26.1	39.1

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#64

Tetrachloroethene

Concen: 45.897 ug/l

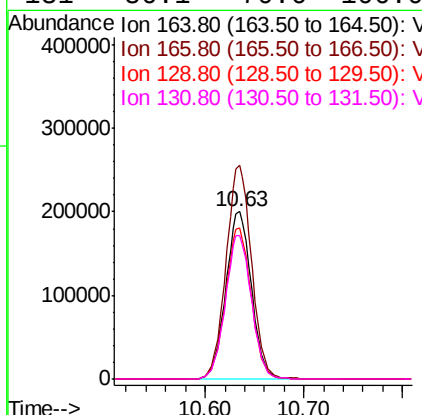
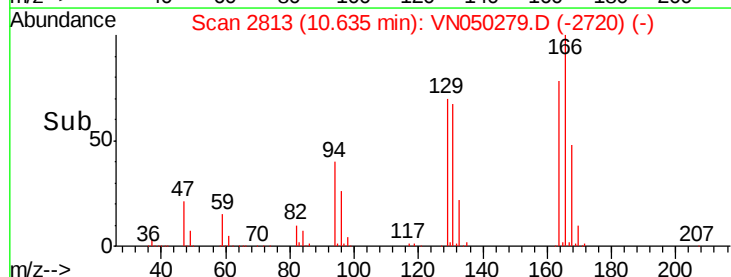
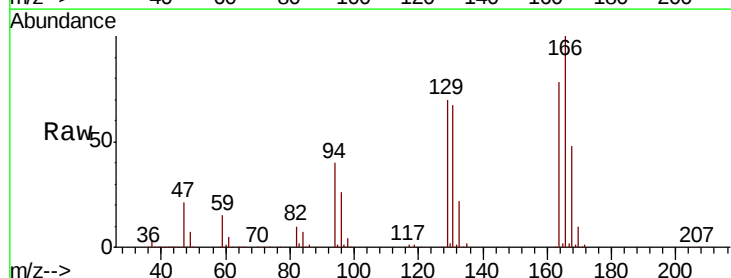
RT: 10.63 min Scan# 2813

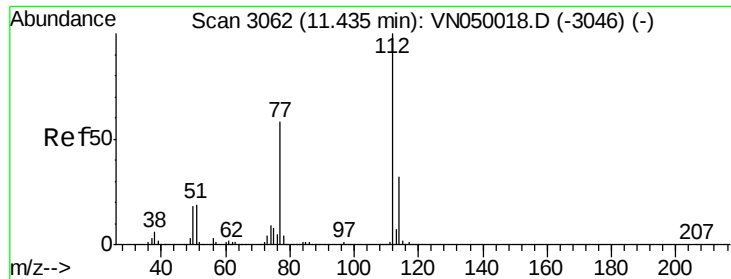
Delta R.T. 0.00 min

Lab File: VN050279.D

Acq: 2 Aug 2018 21:59

Tgt Ion:	164	Resp:	362269
Ion Ratio	Lower	Upper	
164	100		
166	127.7	102.1	153.1
129	90.0	73.2	109.8
131	86.1	70.6	106.0





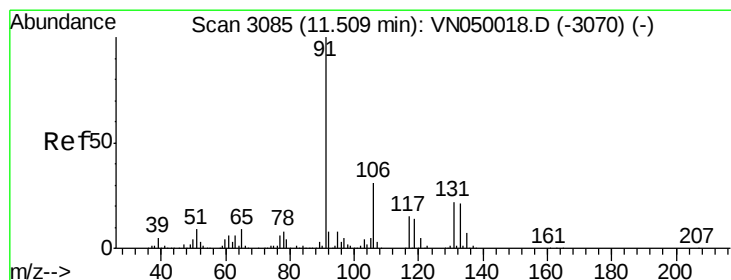
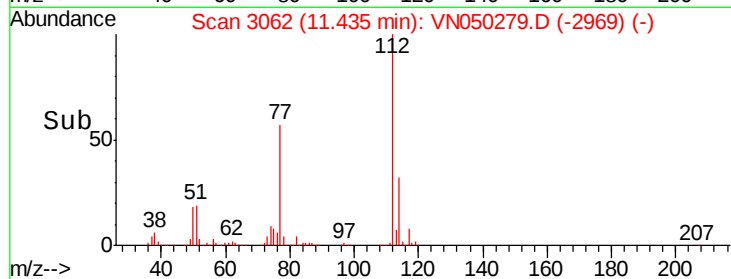
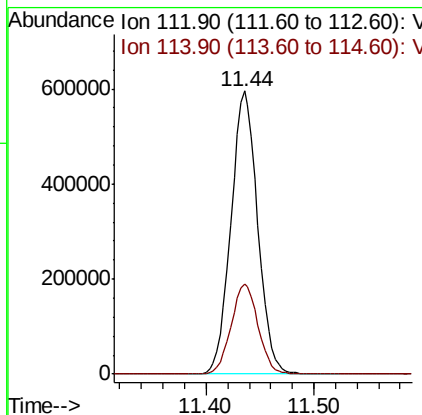
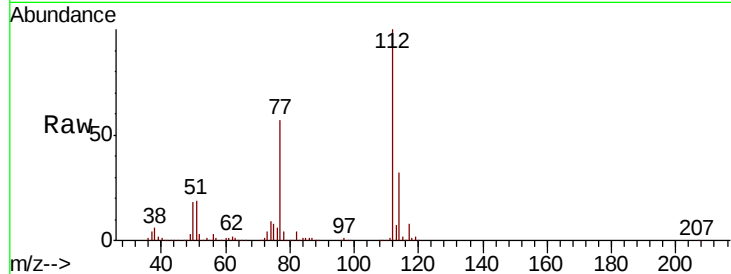
#65
Chlorobenzene
Concen: 49.462 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050279.D
Acq: 2 Aug 2018 21:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1025733
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4

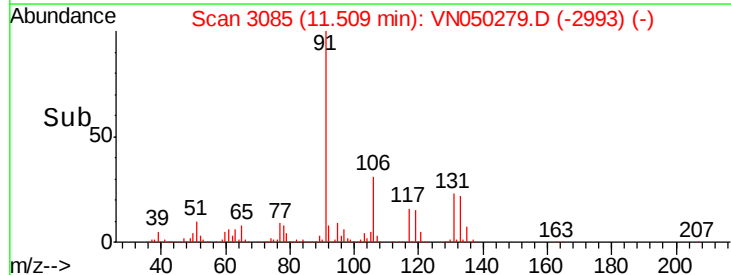
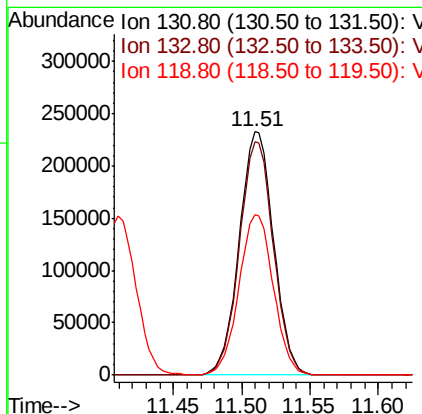
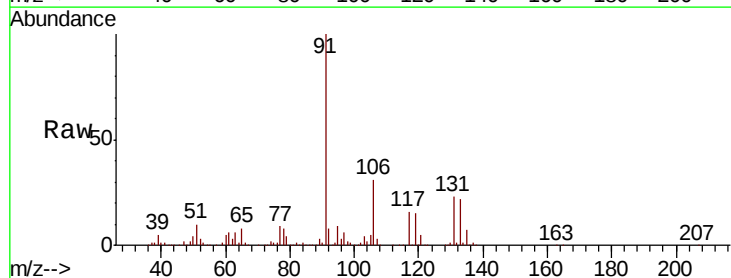
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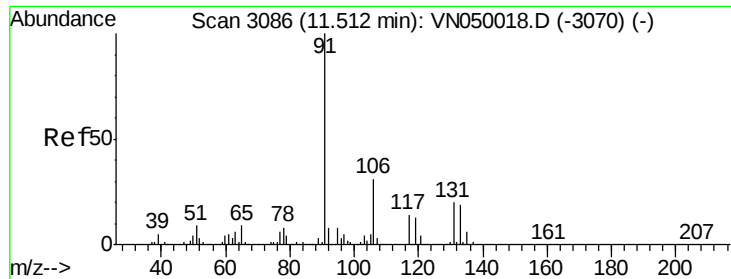
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.990 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050279.D
Acq: 2 Aug 2018 21:59

Tgt Ion:131 Resp: 406292
Ion Ratio Lower Upper
131 100
133 95.1 47.3 141.9
119 66.2 32.9 98.7





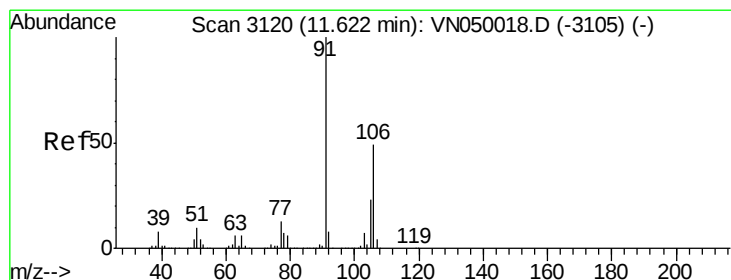
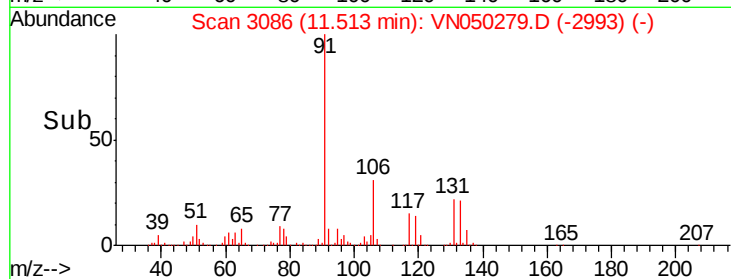
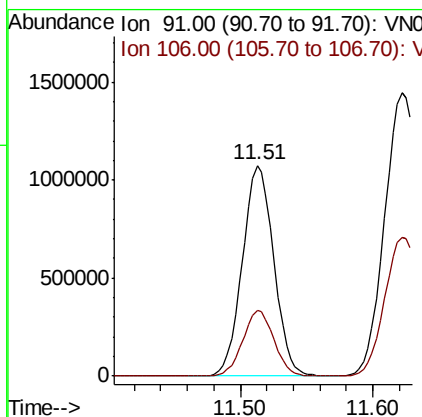
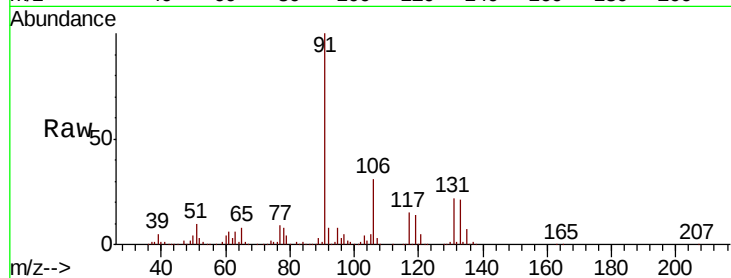
#67
Ethyl Benzene
Concen: 53.054 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050279.D
Acq: 2 Aug 2018 21:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1767364
Ion Ratio Lower Upper
91 100
106 31.1 25.0 37.4

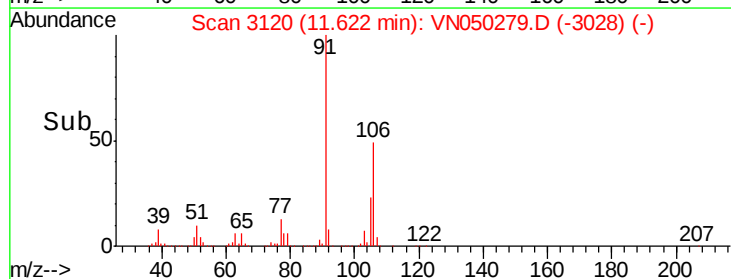
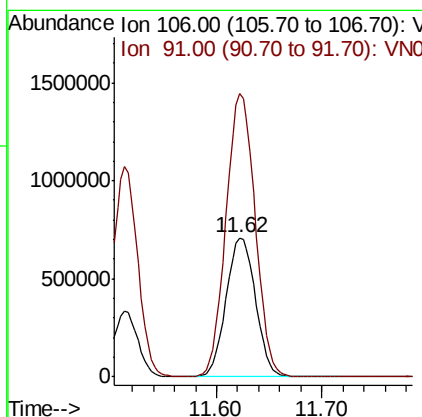
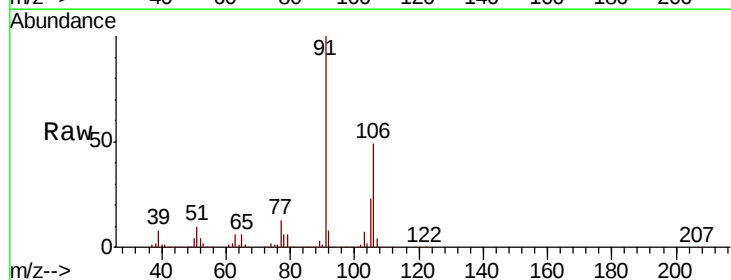
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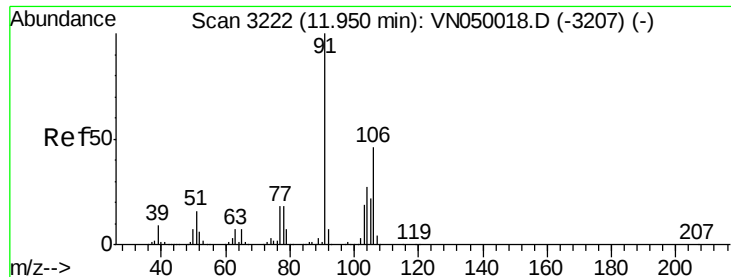
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#68
m/p-Xylenes
Concen: 108.429 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050279.D
Acq: 2 Aug 2018 21:59

Tgt Ion: 106 Resp: 1366230
Ion Ratio Lower Upper
106 100
91 202.3 162.2 243.2





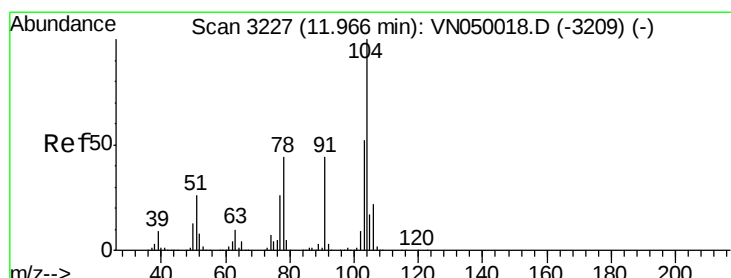
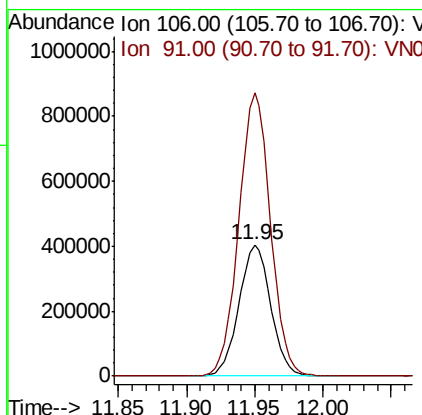
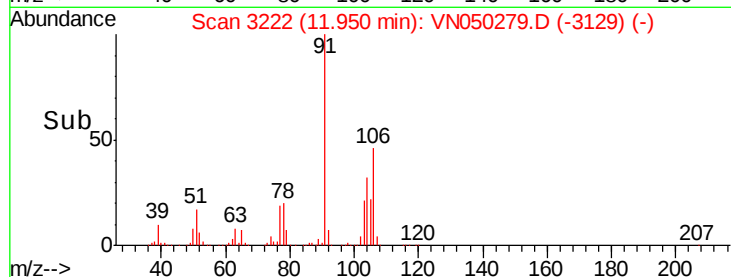
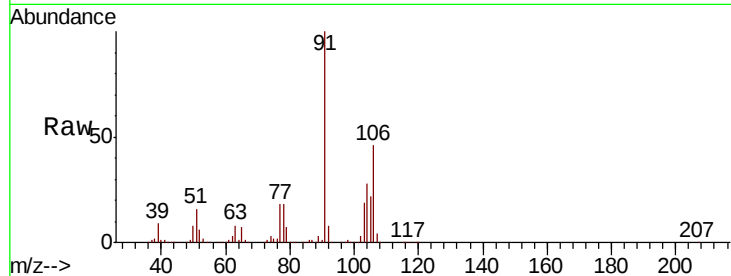
#69
o-Xylene
Concen: 54.295 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050279.D
Acq: 2 Aug 2018 21:59

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 652177
Ion Ratio Lower Upper
106 100
91 215.3 107.7 323.1

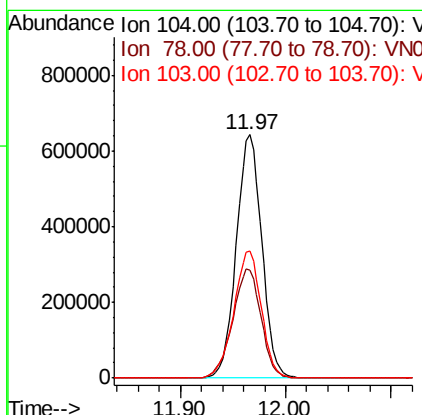
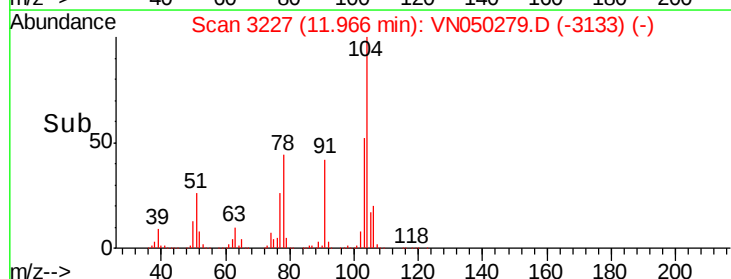
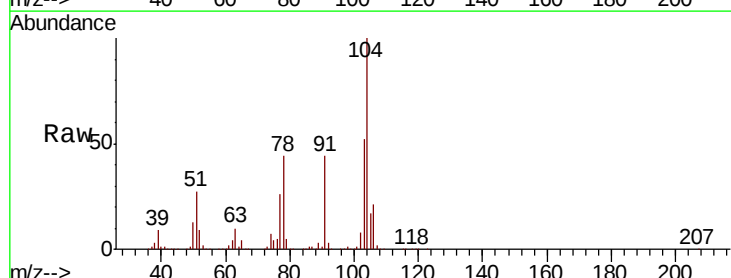
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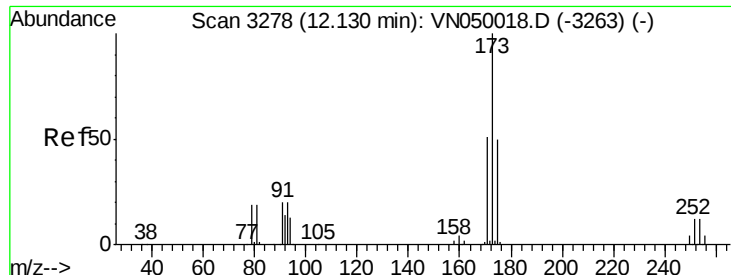
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#70
Styrene
Concen: 50.545 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050279.D
Acq: 2 Aug 2018 21:59

Tgt Ion:104 Resp: 1079995
Ion Ratio Lower Upper
104 100
78 49.5 39.3 58.9
103 56.2 45.0 67.6





#71

Bromoform

Concen: 54.304 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN050279.D

Acq: 2 Aug 2018 21:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 314757

Ion Ratio Lower Upper

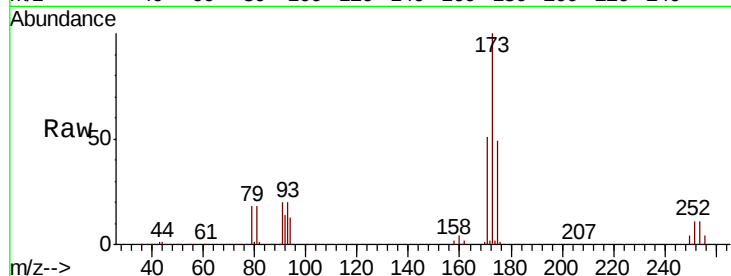
173 100

175 48.2 24.1 72.2

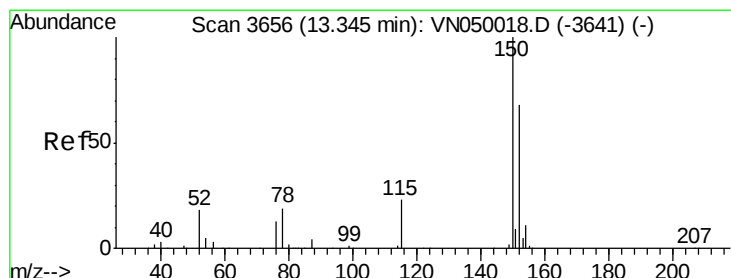
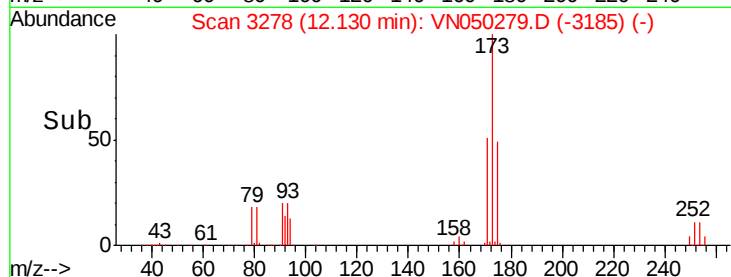
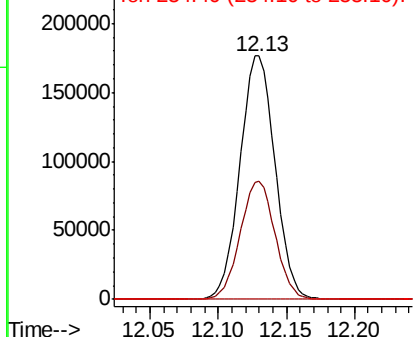
254 0.1 0.2 0.2#

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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# 3656

Delta R.T. 0.00 min

Lab File: VN050279.D

Acq: 2 Aug 2018 21:59

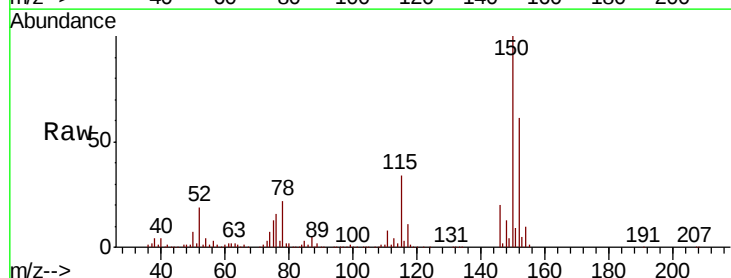
Tgt Ion:152 Resp: 433121

Ion Ratio Lower Upper

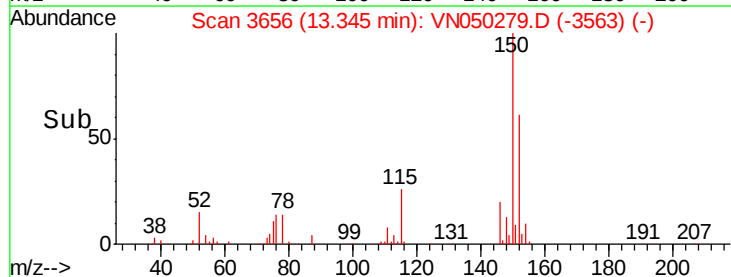
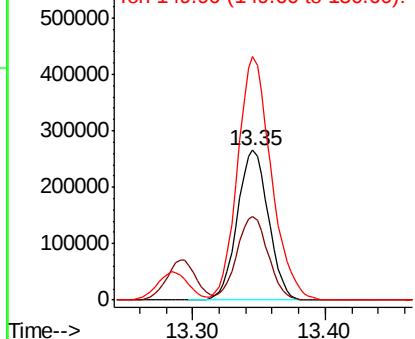
152 100

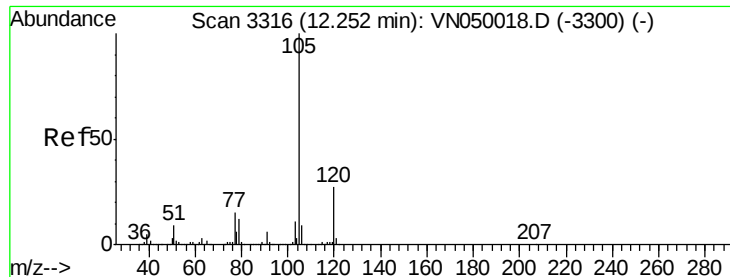
115 56.0 27.8 83.3

150 175.5 0.0 348.6



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: 52.438 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050279.D

Acq: 2 Aug 2018 21:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1761445

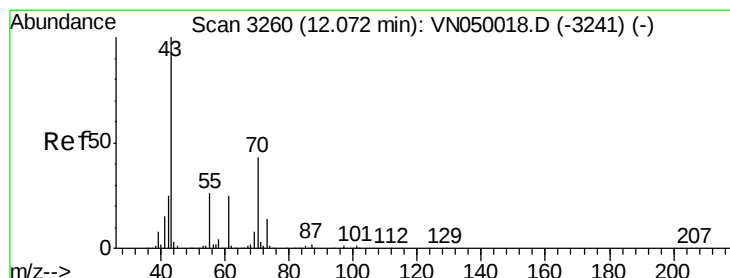
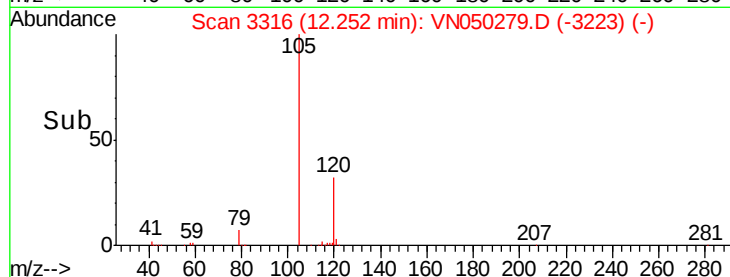
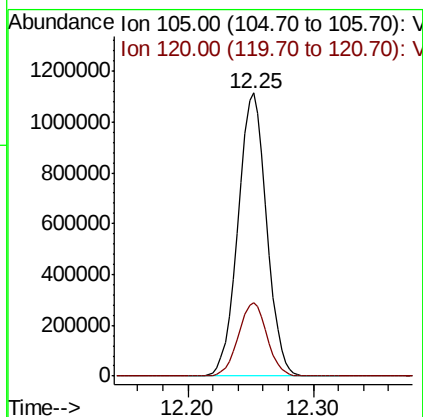
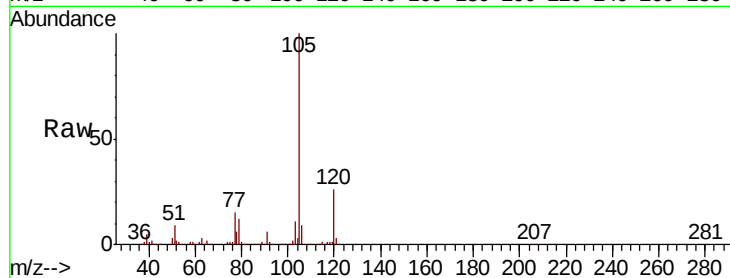
Ion Ratio Lower Upper

105 100

120 26.1 13.3 39.8

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#74

N-ethyl acetate

Concen: 54.823 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050279.D

Acq: 2 Aug 2018 21:59

Tgt Ion: 43 Resp: 562829

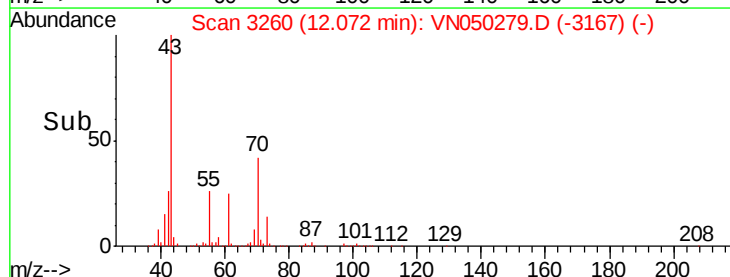
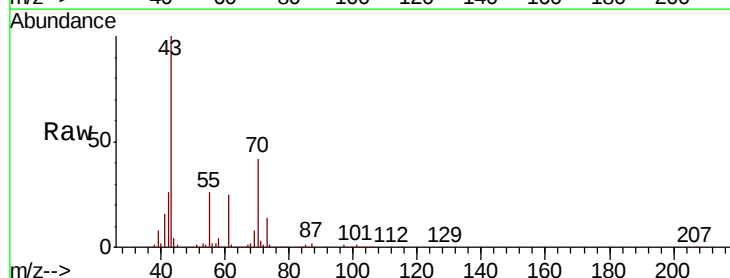
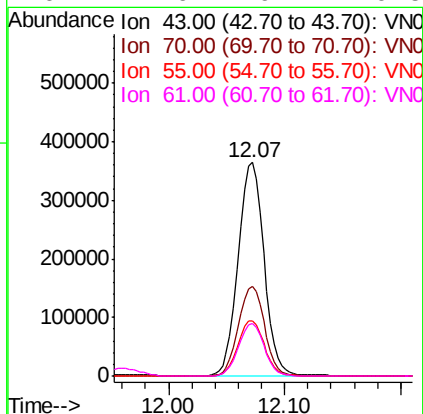
Ion Ratio Lower Upper

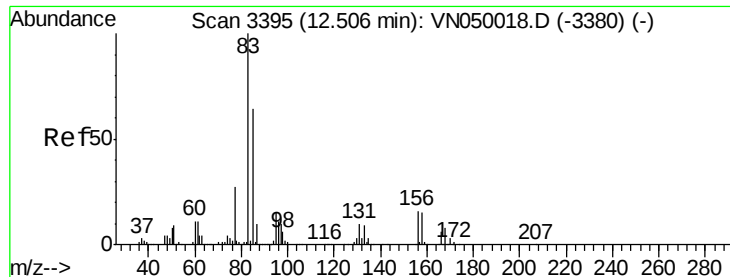
43 100

70 42.8 34.4 51.6

55 26.6 20.8 31.2

61 24.6 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 58.158 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050279.D

Acq: 2 Aug 2018 21:59

Instrument :

MSVOA_N

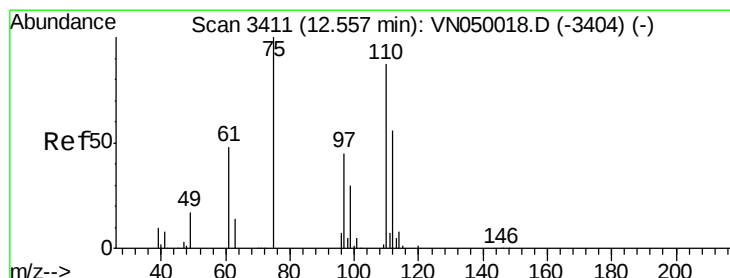
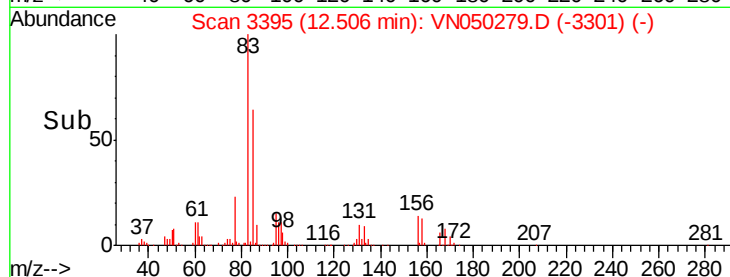
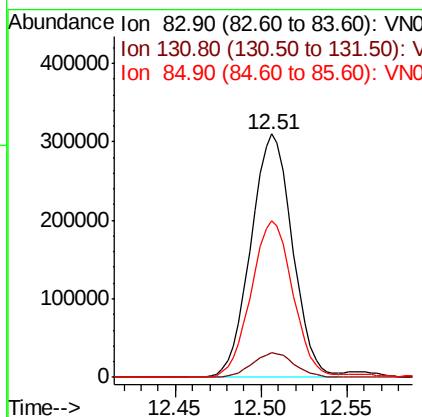
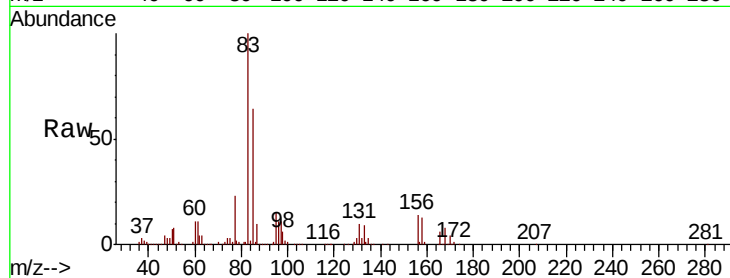
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	519190
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.1	15.3
85	64.5	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 54.003 ug/l m

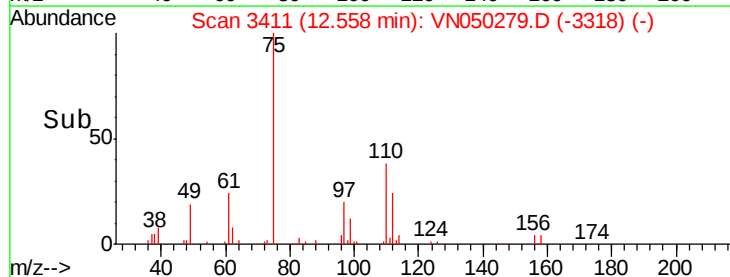
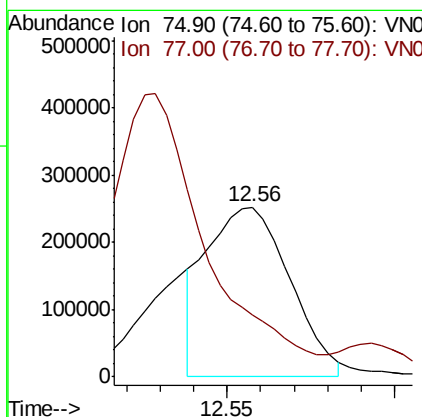
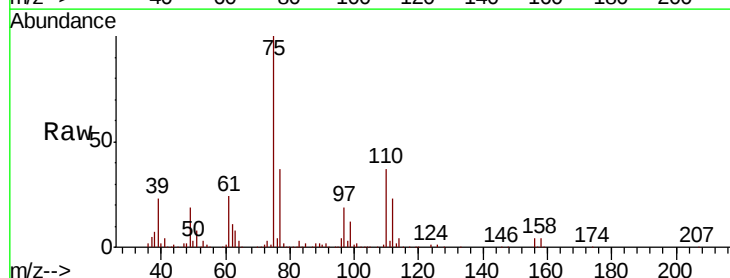
RT: 12.56 min Scan# 3411

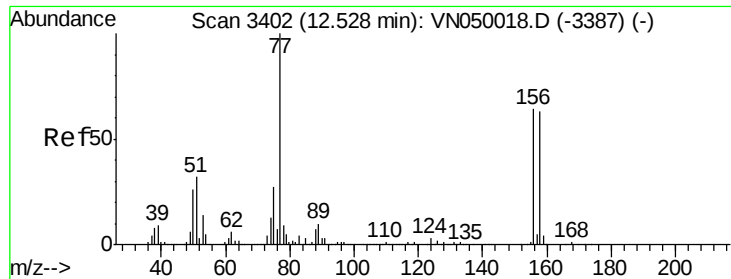
Delta R.T. 0.00 min

Lab File: VN050279.D

Acq: 2 Aug 2018 21:59

Tgt Ion:	75	Resp:	434685
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.995 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050279.D

Acq: 2 Aug 2018 21:59

Instrument :

MSVOA_N

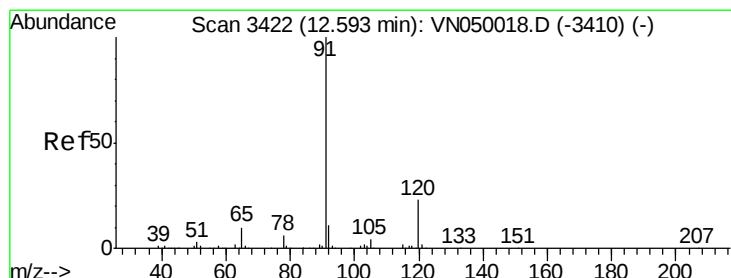
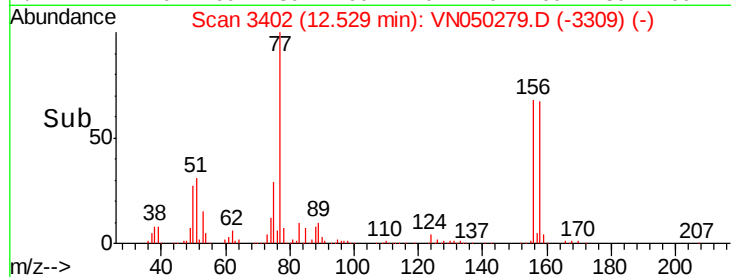
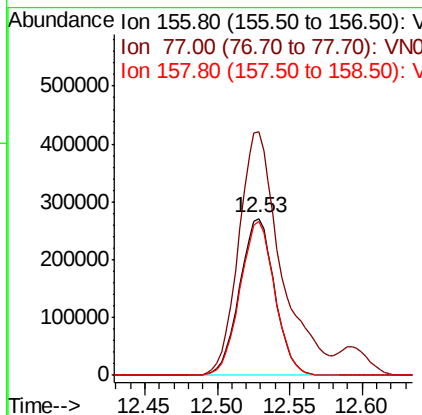
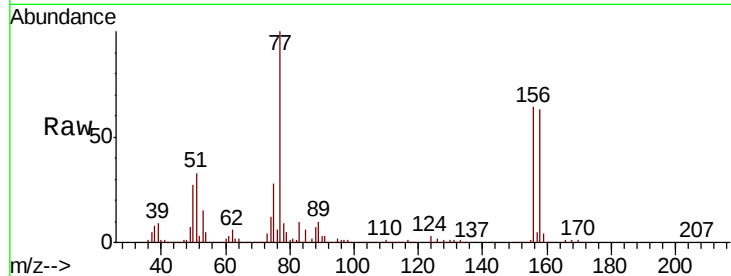
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	188.5	91.7	275.1	
158	97.3	48.9	146.6	

Manual Integrations
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8/3/2018 9:36:48 AM



#78

n-propylbenzene

Concen: 53.513 ug/l

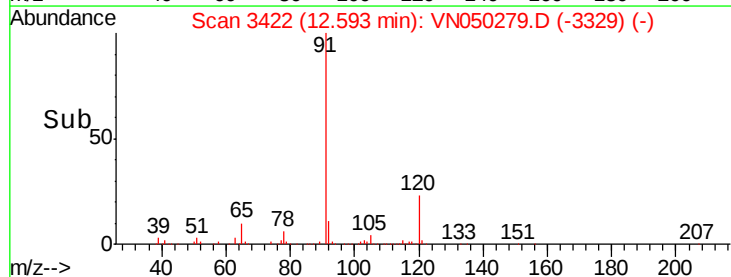
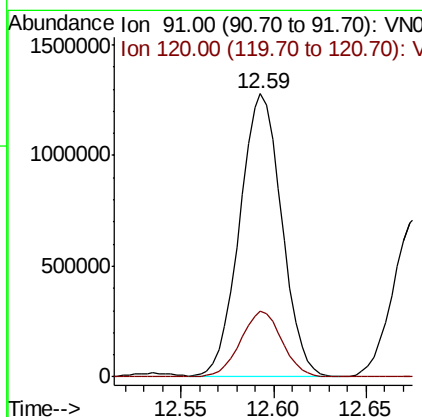
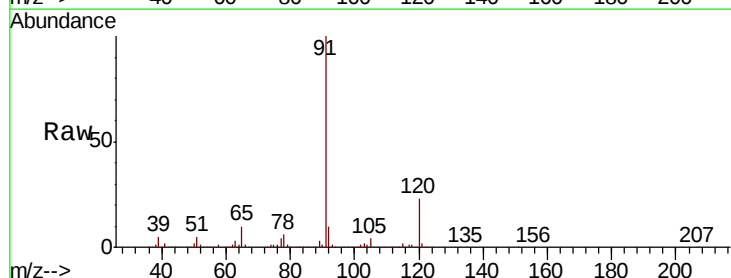
RT: 12.59 min Scan# 3422

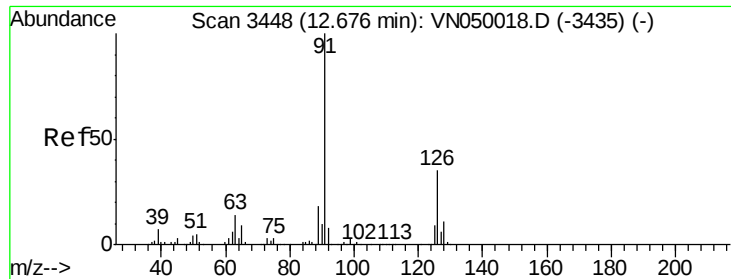
Delta R.T. 0.00 min

Lab File: VN050279.D

Acq: 2 Aug 2018 21:59

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.0	11.6	34.7	





#79

2-Chlorotoluene

Concen: 51.928 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050279.D

Acq: 2 Aug 2018 21:59

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 1208428

Ion Ratio Lower Upper

91 100

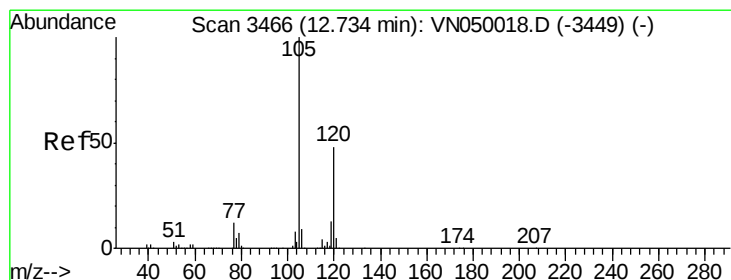
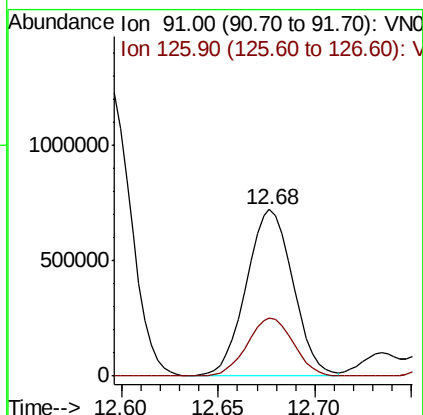
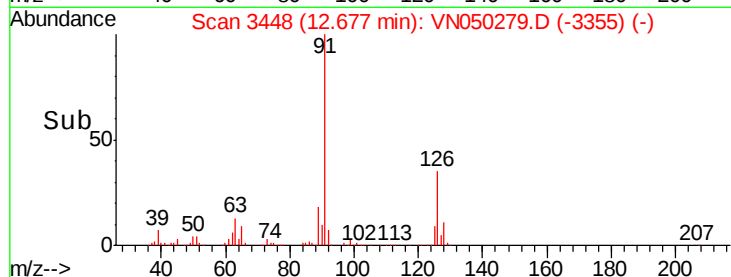
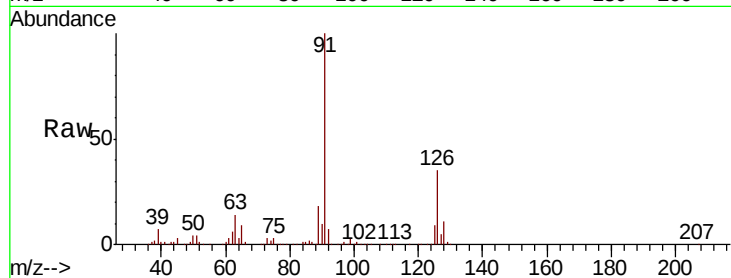
126 35.0 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 54.576 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050279.D

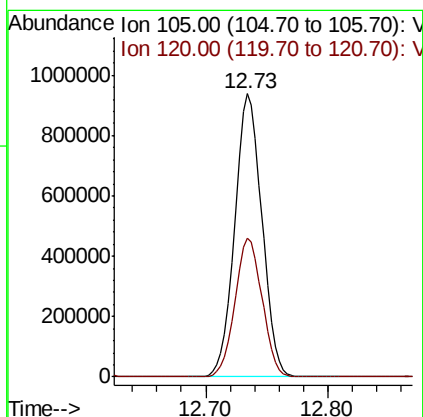
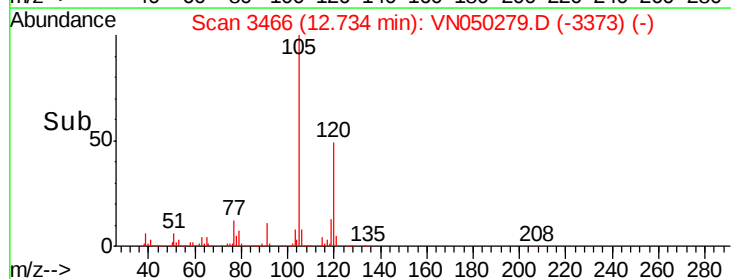
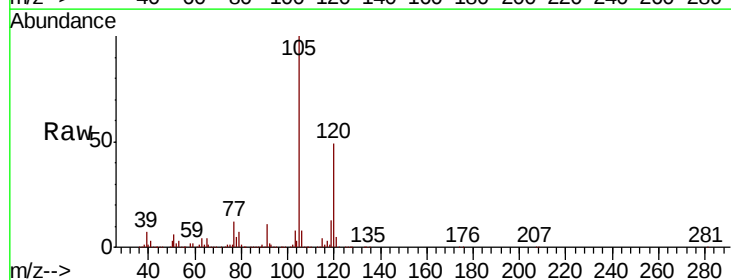
Acq: 2 Aug 2018 21:59

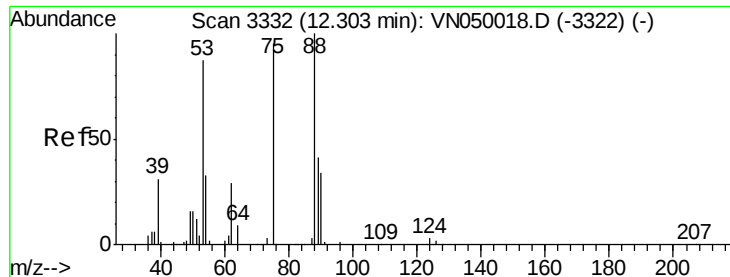
Tgt Ion: 105 Resp: 1442029

Ion Ratio Lower Upper

105 100

120 49.0 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 53.252 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050279.D

Acq: 2 Aug 2018 21:59

Instrument :

MSVOA_N

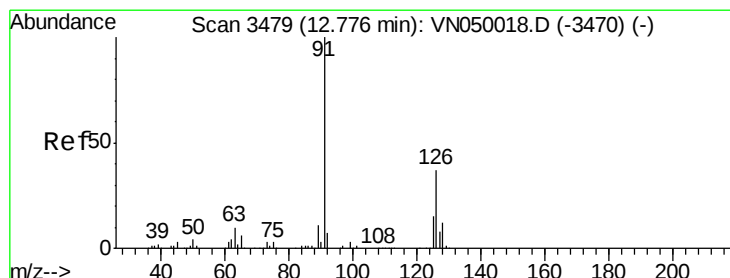
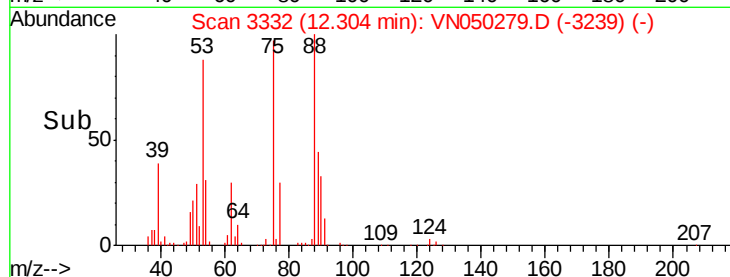
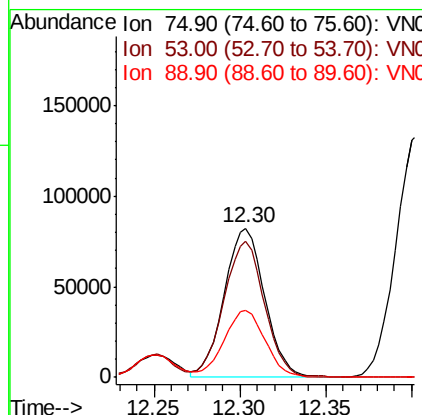
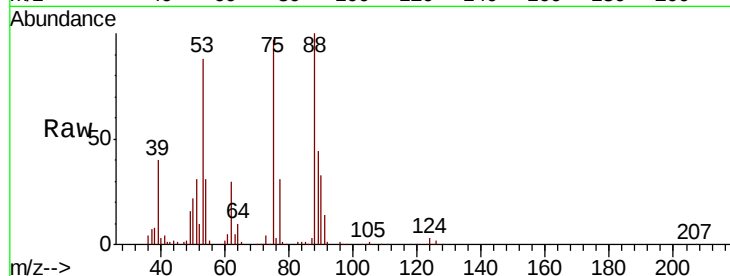
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	135139
Ion	Ratio	Lower	Upper
75	100		
53	91.9	73.5	110.3
89	45.2	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.473 ug/l

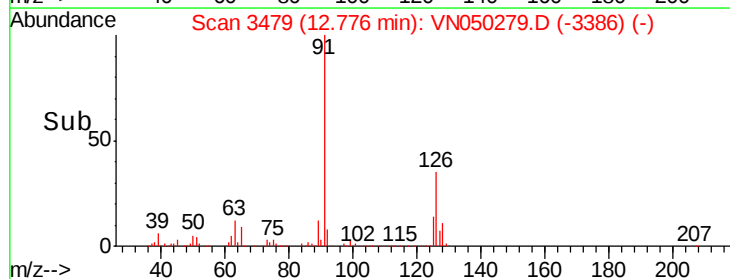
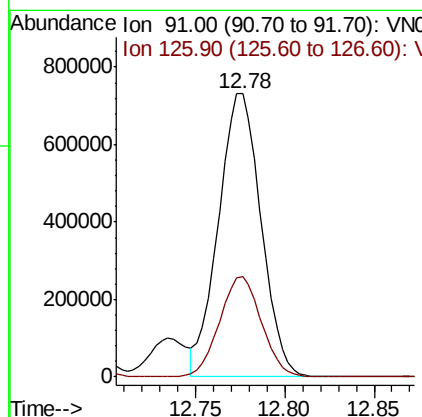
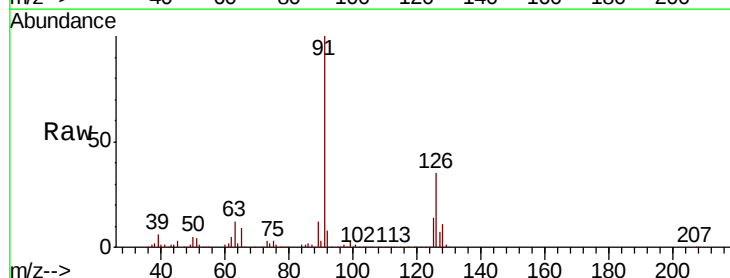
RT: 12.78 min Scan# 3479

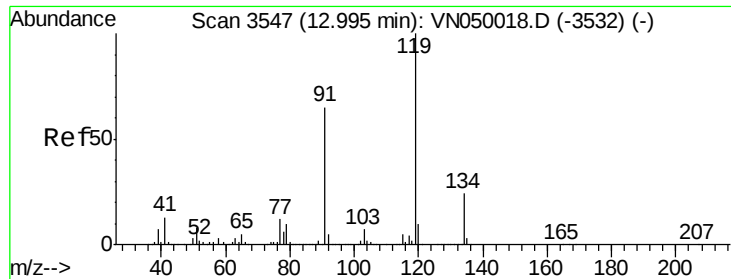
Delta R.T. 0.00 min

Lab File: VN050279.D

Acq: 2 Aug 2018 21:59

Tgt Ion:	91	Resp:	1209260
Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.0	51.0





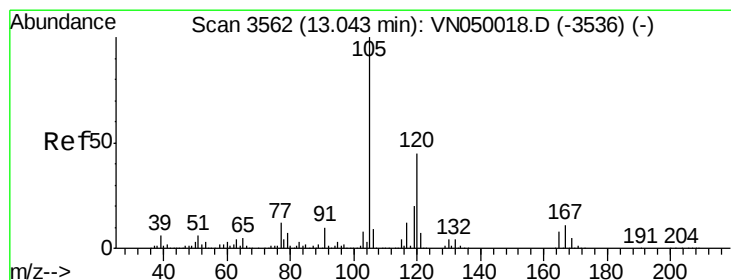
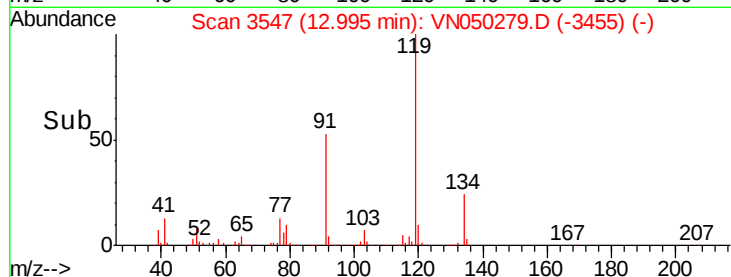
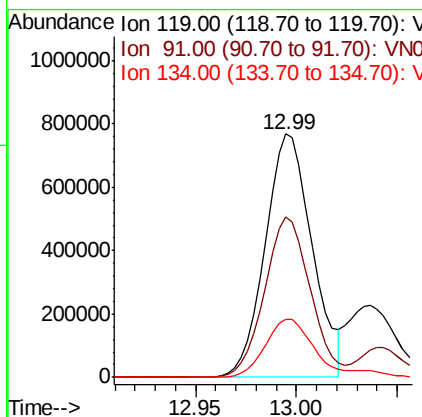
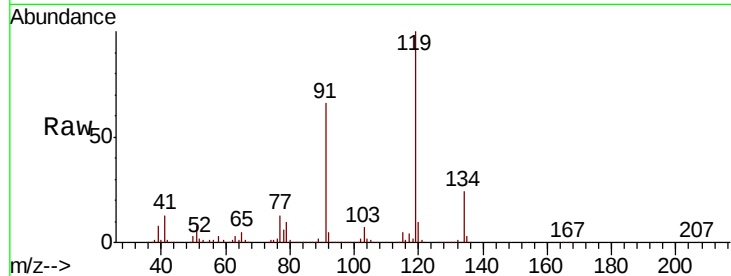
#83
tert-Butylbenzene
Concen: 53.901 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN050279.D
Acq: 2 Aug 2018 21:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.9	32.1	96.3
134	26.2	13.2	39.5

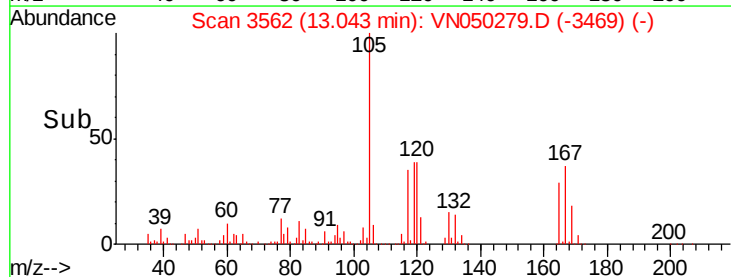
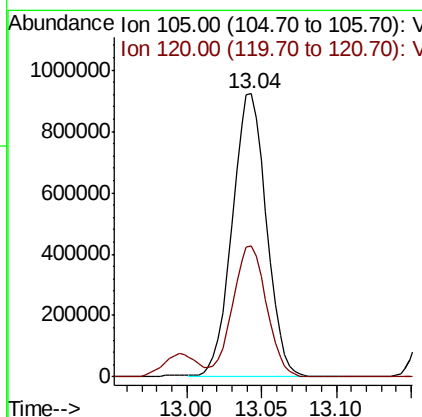
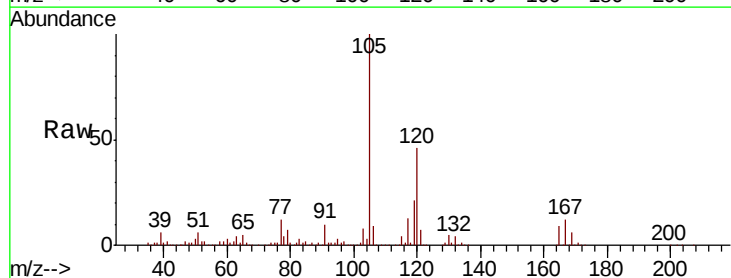
Manual Integrations
APPROVED

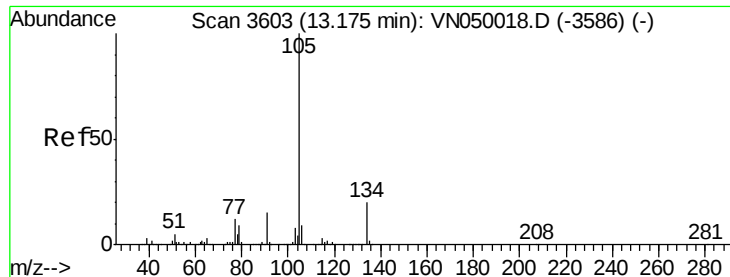
MMDadoda
8/3/2018 9:36:48 AM



#84
1,2,4-Trimethylbenzene
Concen: 55.122 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. 0.00 min
Lab File: VN050279.D
Acq: 2 Aug 2018 21:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.9	68.7





#85

sec-Butylbenzene

Concen: 53.738 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050279.D

Acq: 2 Aug 2018 21:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1655624

Ion Ratio Lower Upper

105 100

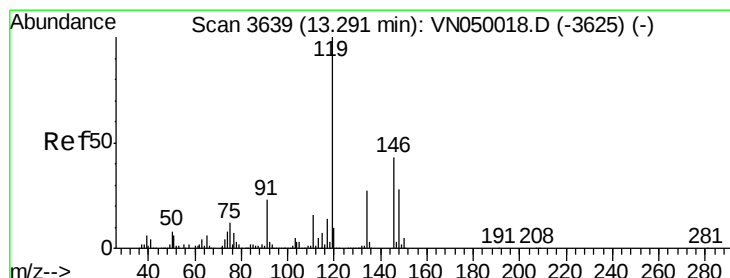
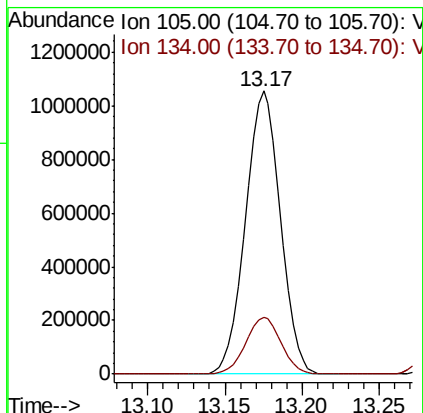
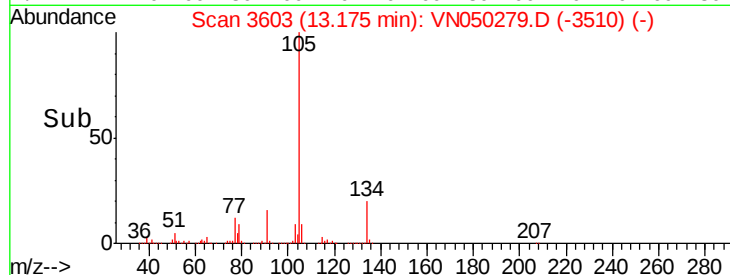
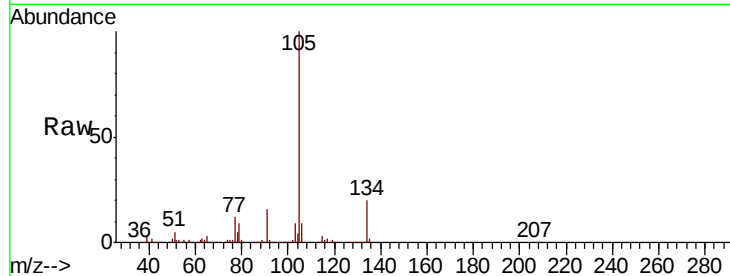
134 20.3 10.1 30.1

Manual Integrations

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8/3/2018 9:36:48 AM



#86

p-Isopropyltoluene

Concen: 55.576 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050279.D

Acq: 2 Aug 2018 21:59

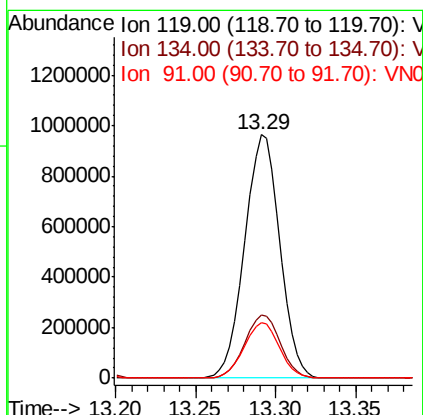
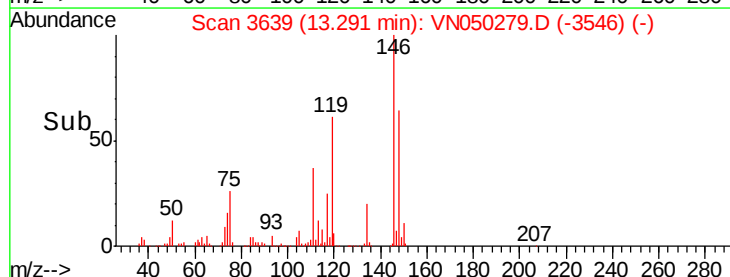
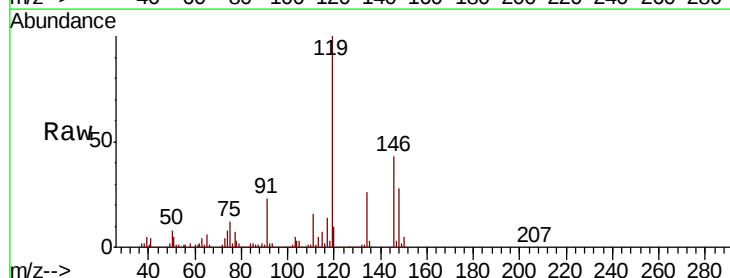
Tgt Ion:119 Resp: 1442801

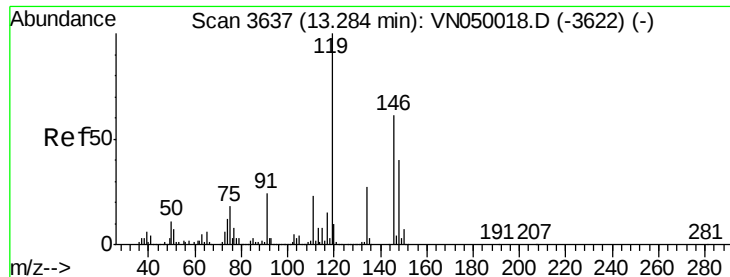
Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.8

91 22.8 11.4 34.2





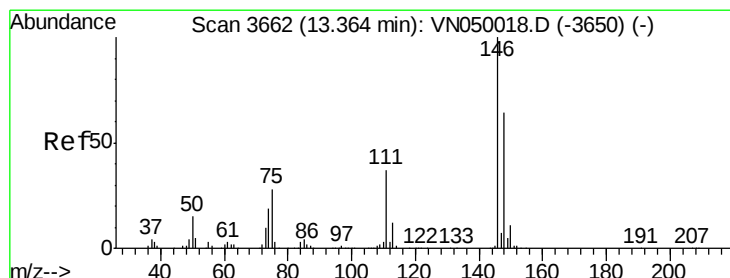
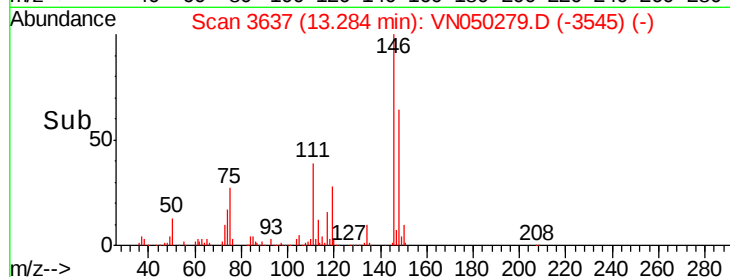
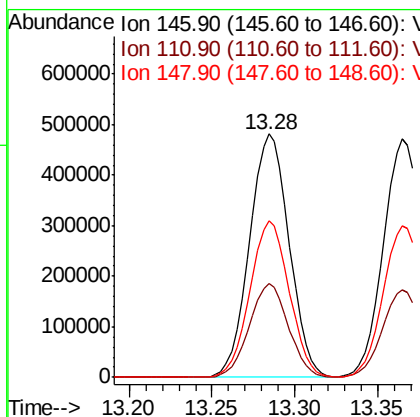
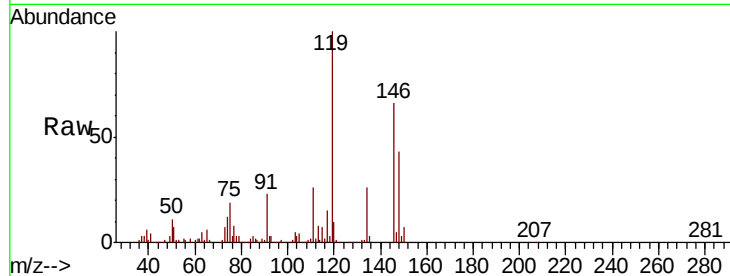
#87
 1,3-Dichlorobenzene
 Concen: 50.601 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050279.D
 Acq: 2 Aug 2018 21:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.8	56.4
148	63.8	31.9	95.9

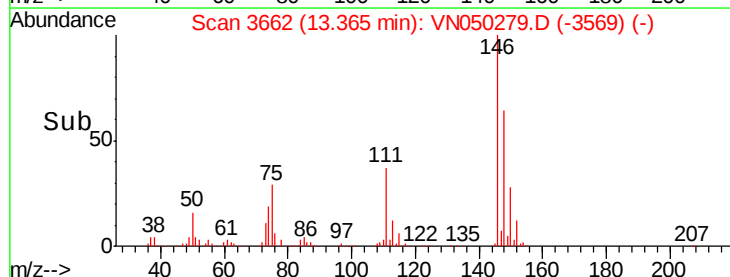
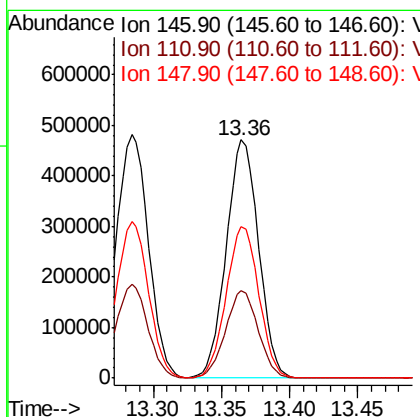
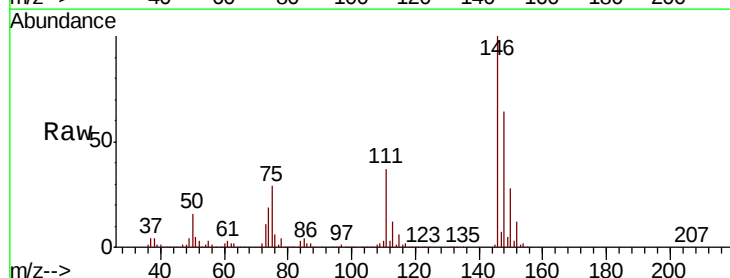
Manual Integrations
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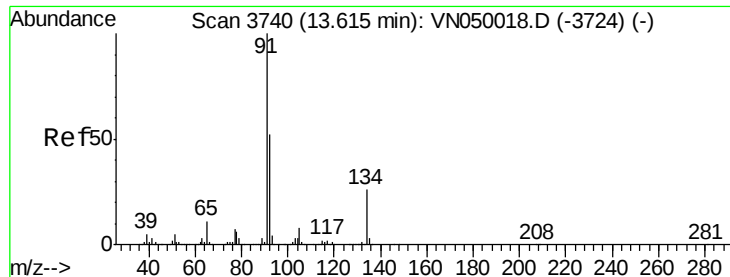
MMDadoda
 8/3/2018 9:36:48 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.453 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050279.D
 Acq: 2 Aug 2018 21:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.3	54.9
148	64.3	31.9	95.9





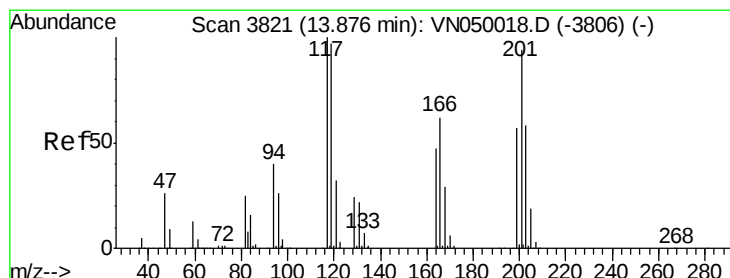
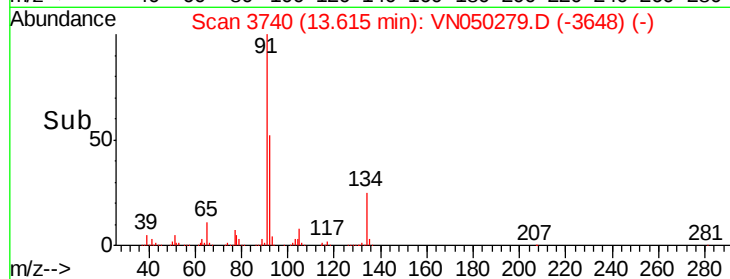
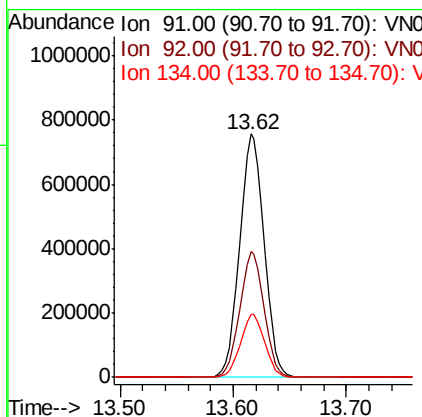
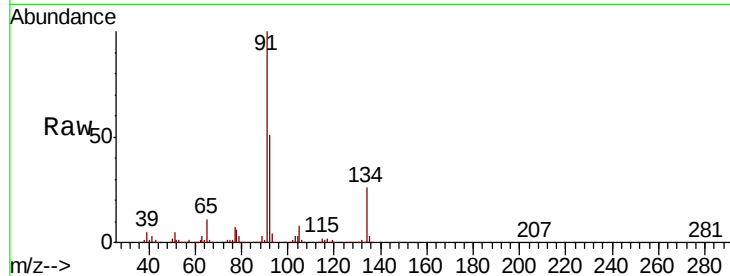
#89
n-Butylbenzene
Concen: 53.258 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050279.D
Acq: 2 Aug 2018 21:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	25.8	77.4
134	25.7	12.8	38.4

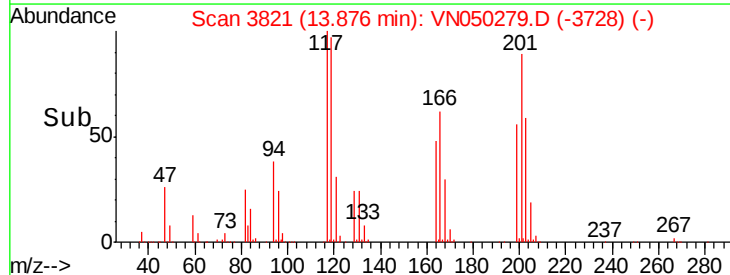
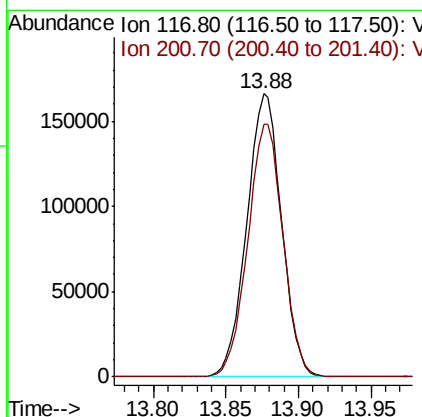
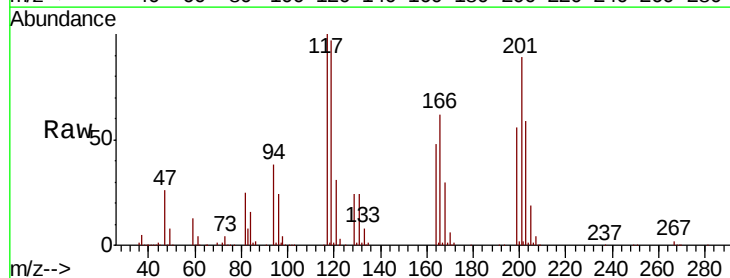
Manual Integrations
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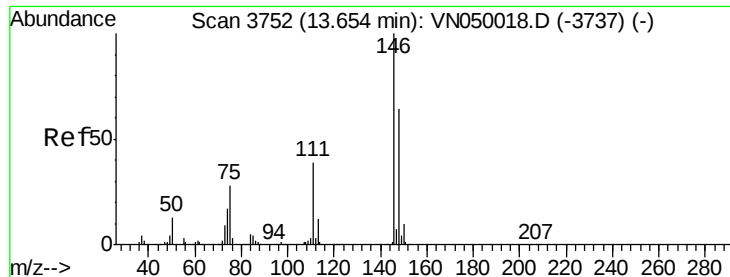
MMDadoda
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#90
Hexachloroethane
Concen: 48.065 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050279.D
Acq: 2 Aug 2018 21:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.2	45.6	136.8





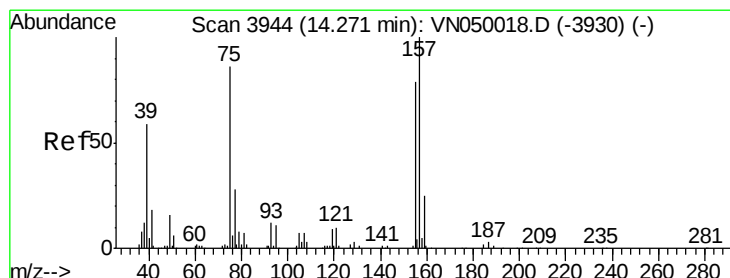
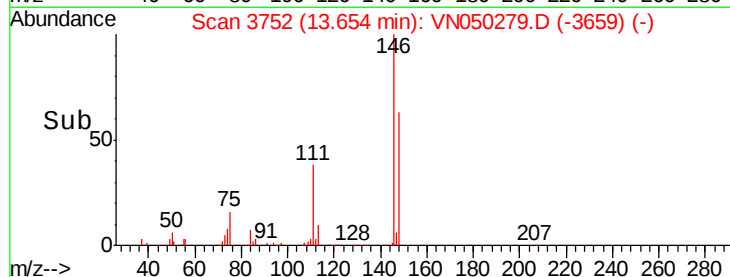
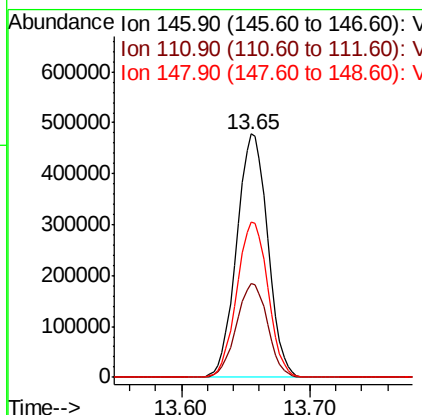
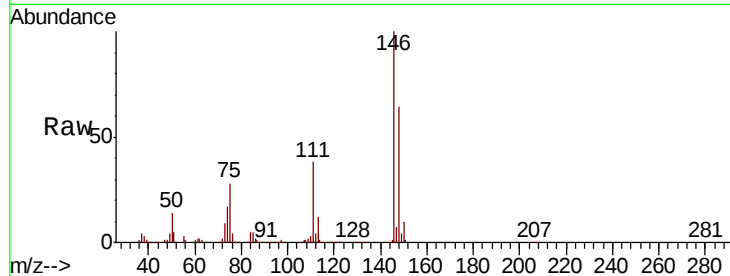
#91
 1,2-Dichlorobenzene
 Concen: 50.723 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050279.D
 Acq: 2 Aug 2018 21:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.6	58.7
148	64.2	32.1	96.3

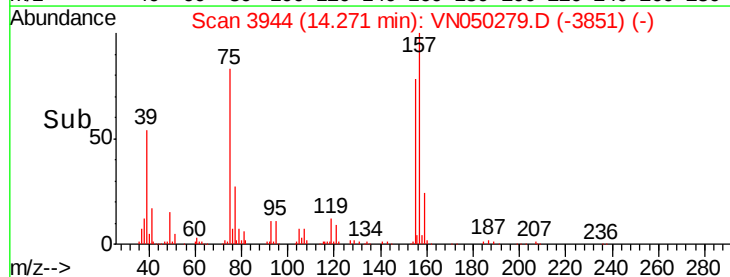
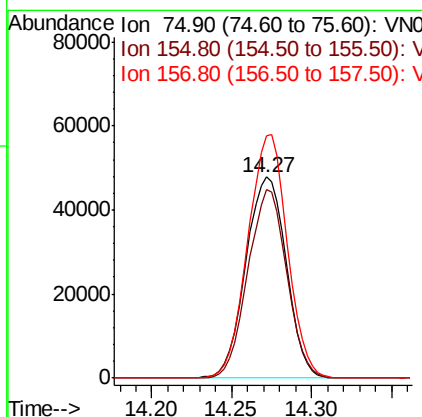
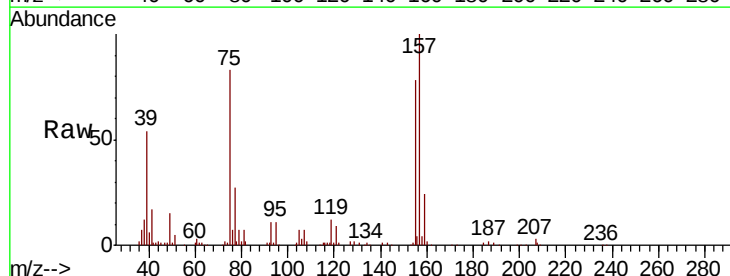
Manual Integrations
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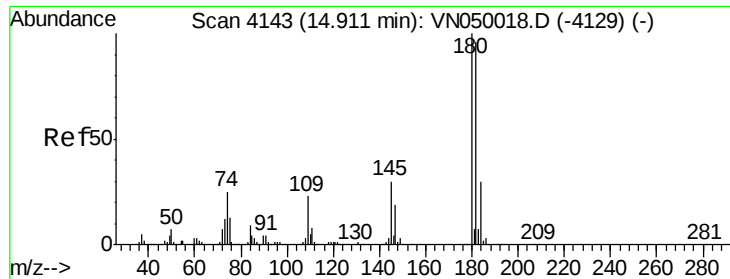
MMDadoda
 8/3/2018 9:36:48 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.355 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050279.D
 Acq: 2 Aug 2018 21:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.0	44.8	134.4
157	118.0	57.2	171.6





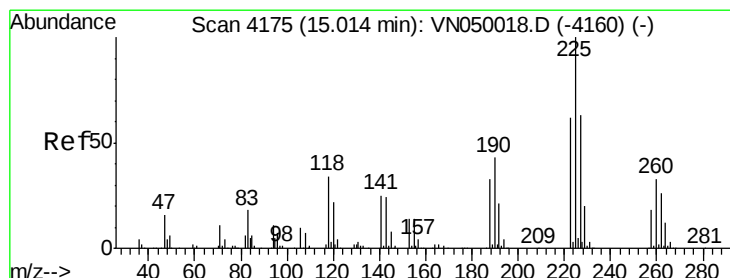
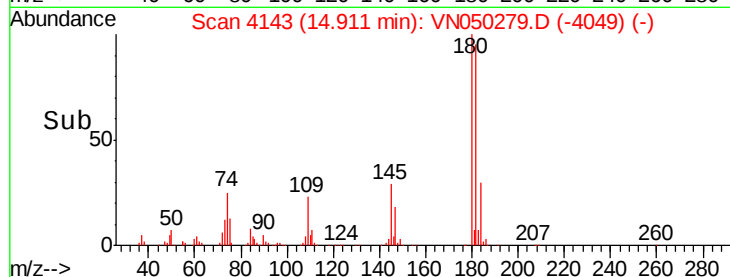
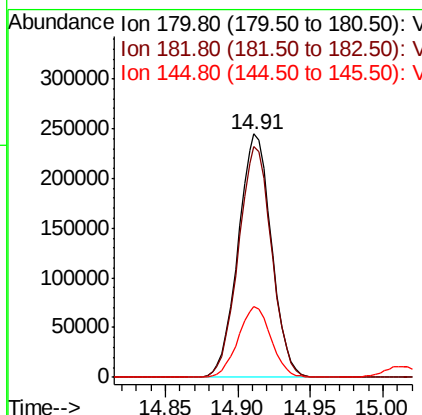
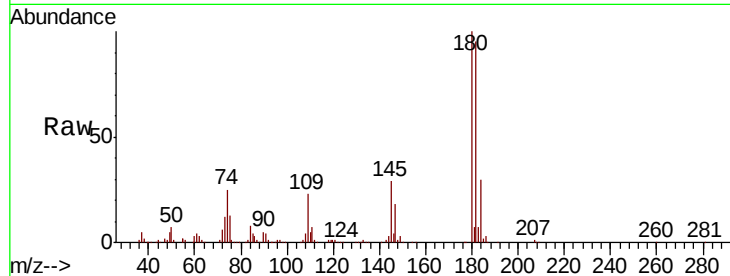
#93
 1,2,4-Trichlorobenzene
 Concen: 46.711 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050279.D
 Acq: 2 Aug 2018 21:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.9	46.7	140.1	
145	28.9	13.8	41.4	

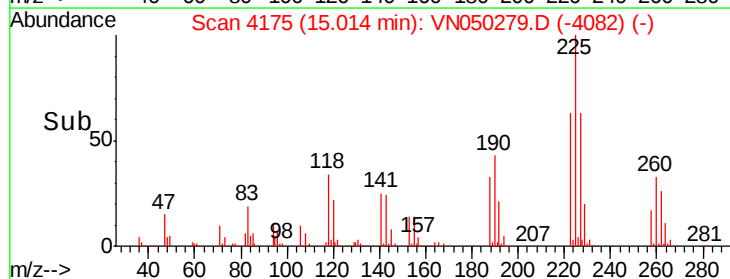
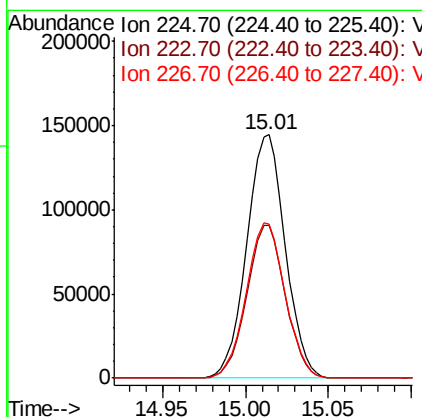
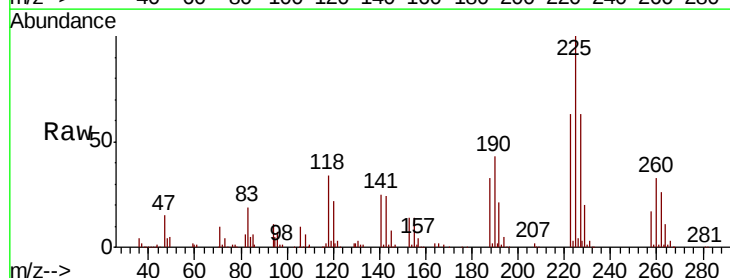
Manual Integrations
 APPROVED

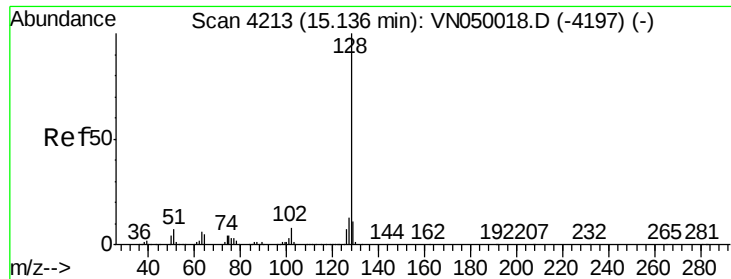
MMDadoda
 8/3/2018 9:36:48 AM



#94
 Hexachlorobutadiene
 Concen: 48.255 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050279.D
 Acq: 2 Aug 2018 21:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.6	31.4	94.2	
227	64.3	32.1	96.5	





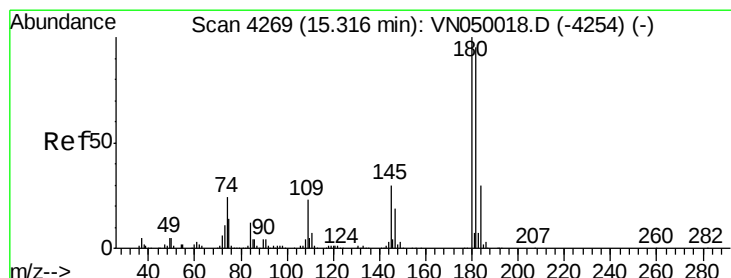
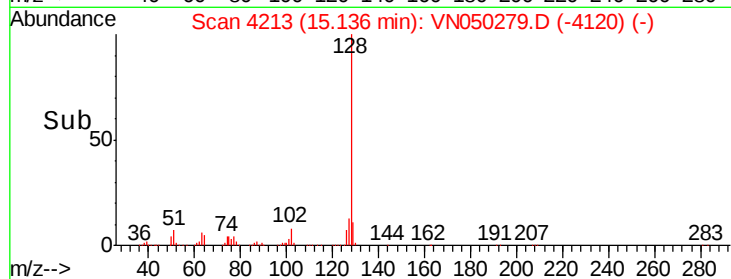
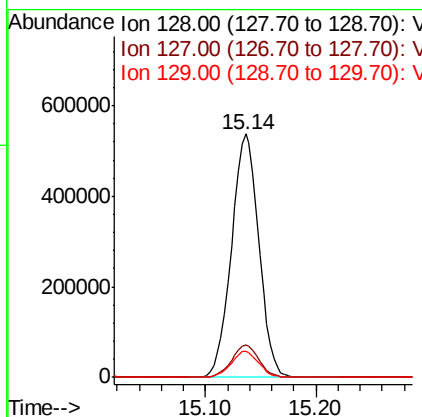
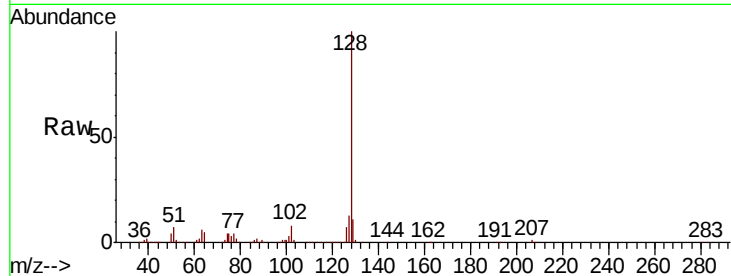
#95
Naphthalene
Concen: 46.868 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050279.D
Acq: 2 Aug 2018 21:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	921066		
127	13.2		10.4	15.6
129	10.8		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/3/2018 9:36:48 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.058 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050279.D
Acq: 2 Aug 2018 21:59

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	399439		
182	96.2		48.1	144.4
145	30.6		15.3	45.9

