

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN013120\
 Data File : VN059961.D
 Acq On : 31 Jan 2020 20:14
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/4/2020 12:50:29 PM

Quant Time: Feb 03 04:03:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	178586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	286169	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	269384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	136456	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	106347	53.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.24%	
35) Dibromofluoromethane	7.57	113	90789	53.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.40%	
50) Toluene-d8	10.08	98	337113	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
62) 4-Bromofluorobenzene	12.40	95	126615	53.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	95429	45.274	ug/l	100
3) Chloromethane	2.04	50	94382	46.162	ug/l	99
4) Vinyl Chloride	2.17	62	123711	52.883	ug/l	99
5) Bromomethane	2.53	94	68306	47.845	ug/l	99
6) Chloroethane	2.68	64	57948	52.358	ug/l	96
7) Trichlorofluoromethane	3.00	101	144072	51.282	ug/l	98
8) Diethyl Ether	3.38	74	51985	52.726	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.74	101	84186	53.840	ug/l	94
10) Methyl Iodide	3.93	142	114571	45.331	ug/l	96
11) Tert butyl alcohol	4.73	59	81777	244.938	ug/l	98
12) 1,1-Dichloroethene	3.72	96	80421	49.221	ug/l	90
13) Acrolein	3.58	56	63398	268.251	ug/l	97
14) Allyl chloride	4.30	41	109863	49.886	ug/l #	83
15) Acrylonitrile	4.95	53	210947	276.986	ug/l	100
16) Acetone	3.78	43	220096	328.524	ug/l	96
17) Carbon Disulfide	4.03	76	196418	42.201	ug/l	100
18) Methyl Acetate	4.29	43	127197	54.908	ug/l	92
19) Methyl tert-butyl Ether	5.00	73	285570	53.607	ug/l	95
20) Methylene Chloride	4.52	84	92338	51.501	ug/l	92
21) trans-1,2-Dichloroethene	5.01	96	86561	49.840	ug/l	89
22) Diisopropyl ether	5.91	45	268125	53.724	ug/l	95
23) Vinyl Acetate	5.86	43	1006817	260.560	ug/l	95
24) 1,1-Dichloroethane	5.82	63	159605	52.339	ug/l	98
25) 2-Butanone	6.80	43	296549	264.046	ug/l	91
26) 2,2-Dichloropropane	6.80	77	144922	49.433	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	105691	52.909	ug/l	89
28) Bromochloromethane	7.17	49	62046	50.906	ug/l #	77
29) Tetrahydrofuran	7.18	42	180410	259.626	ug/l	88
30) Chloroform	7.35	83	170234	53.878	ug/l	99
31) Cyclohexane	7.63	56	135140	46.055	ug/l	91
32) 1,1,1-Trichloroethane	7.55	97	155487	53.223	ug/l	97
36) 1,1-Dichloropropene	7.77	75	122501	49.156	ug/l	96
37) Ethyl Acetate	6.90	43	116290	49.753	ug/l	96
38) Carbon Tetrachloride	7.75	117	138297	51.016	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	142039	46.225	ug/l	93
40) Benzene	8.02	78	367752	49.481	ug/l	100
41) Methacrylonitrile	7.15	41	51198m	44.471	ug/l	
42) 1,2-Dichloroethane	8.10	62	134466	53.361	ug/l	97
43) Isopropyl Acetate	8.14	43	200859	49.961	ug/l #	95
44) Trichloroethene	8.82	130	103545	51.034	ug/l	92
45) 1,2-Dichloropropane	9.10	63	96332	52.380	ug/l	100
46) Dibromomethane	9.19	93	67694	52.180	ug/l	92
47) Bromodichloromethane	9.39	83	141644	54.180	ug/l	100
48) Methyl methacrylate	9.18	41	88179	49.035	ug/l	90
49) 1,4-Dioxane	9.18	88	34101	1035.875	ug/l	91
51) 4-Methyl-2-Pentanone	9.97	43	602446	259.225	ug/l	95
52) Toluene	10.14	92	241526	51.448	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	156172	53.500	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	161728	52.655	ug/l	95
55) 1,1,2-Trichloroethane	10.55	97	99256	53.383	ug/l	97
56) Ethyl methacrylate	10.42	69	145454	51.197	ug/l	93
57) 1,3-Dichloropropane	10.70	76	161878	54.839	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	246174	287.678	ug/l	92
59) 2-Hexanone	10.74	43	453522	264.890	ug/l	94
60) Dibromochloromethane	10.89	129	115080	54.352	ug/l	99
61) 1,2-Dibromoethane	10.99	107	103446	53.083	ug/l	100
64) Tetrachloroethene	10.62	164	109542	49.894	ug/l	97
65) Chlorobenzene	11.43	112	267248	50.473	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	105253	51.445	ug/l	99
67) Ethyl Benzene	11.50	91	476689	49.594	ug/l	98
68) m/p-Xylenes	11.62	106	358874	98.842	ug/l	95
69) o-Xylene	11.94	106	175158	49.277	ug/l	96
70) Styrene	11.96	104	295879	49.744	ug/l	97
71) Bromoform	12.12	173	86632	52.863	ug/l #	98
73) Isopropylbenzene	12.24	105	478145	47.778	ug/l	99
74) N-amyl acetate	12.06	43	182183	46.915	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	143933	49.611	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	114822m	50.000	ug/l	
77) Bromobenzene	12.52	156	122081	48.171	ug/l	84
78) n-propylbenzene	12.59	91	541656	48.222	ug/l	98
79) 2-Chlorotoluene	12.67	91	321397	48.097	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	399526	47.470	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	52494	49.090	ug/l	95
82) 4-Chlorotoluene	12.77	91	327179	48.815	ug/l	96
83) tert-Butylbenzene	12.99	119	344658	47.349	ug/l	96
84) 1,2,4-Trimethylbenzene	13.03	105	403444	48.453	ug/l	100
85) sec-Butylbenzene	13.17	105	460895	48.192	ug/l	100
86) p-Isopropyltoluene	13.28	119	421344	47.614	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	219147	49.781	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	218170	49.678	ug/l	97
89) n-Butylbenzene	13.61	91	368280	48.810	ug/l	99
90) Hexachloroethane	13.87	117	79854	48.230	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	216561	49.760	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	30618	49.133	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	131218	50.177	ug/l	99
94) Hexachlorobutadiene	15.01	225	67679	46.964	ug/l	99
95) Naphthalene	15.13	128	359858	48.379	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	127106	49.935	ug/l	100

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

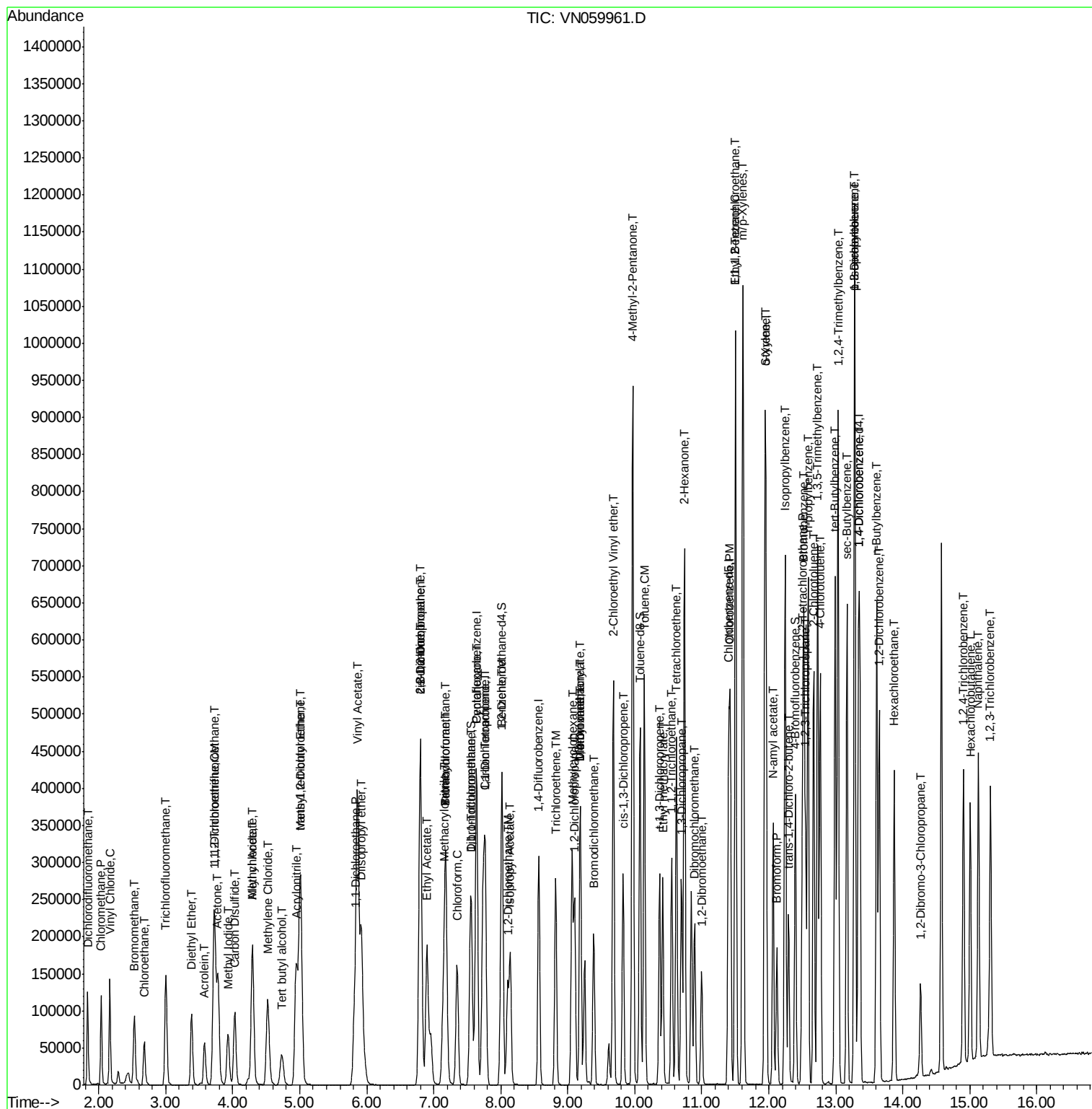
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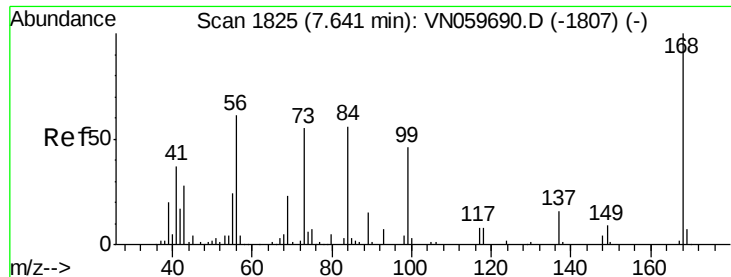
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 178586

Ion Ratio Lower Upper

168 100

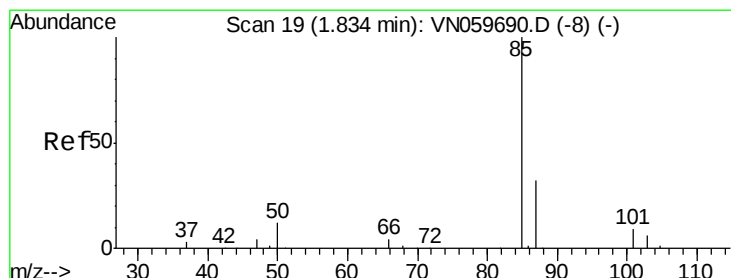
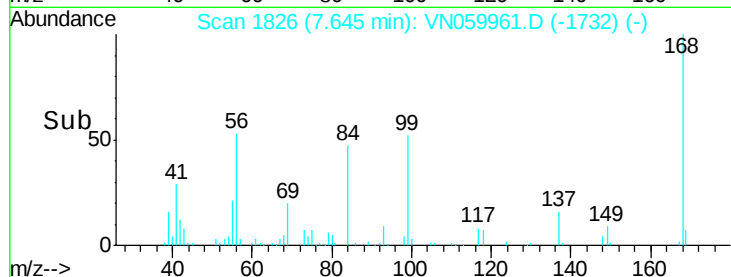
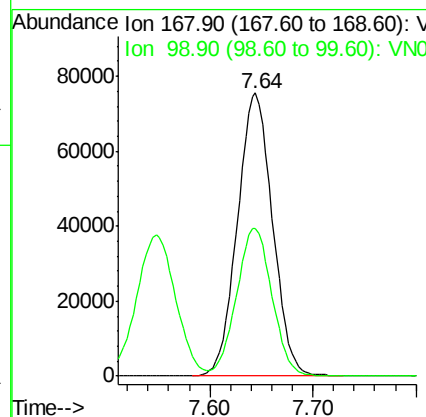
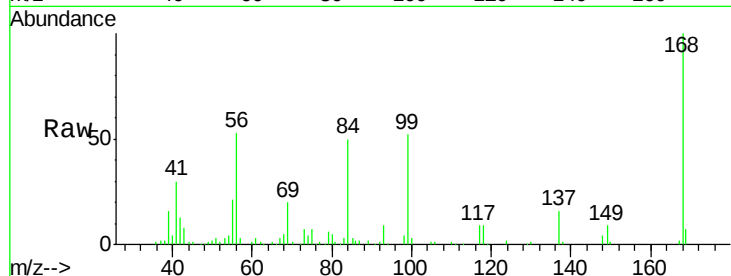
99 52.1 48.2 72.4

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 45.274 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059961.D

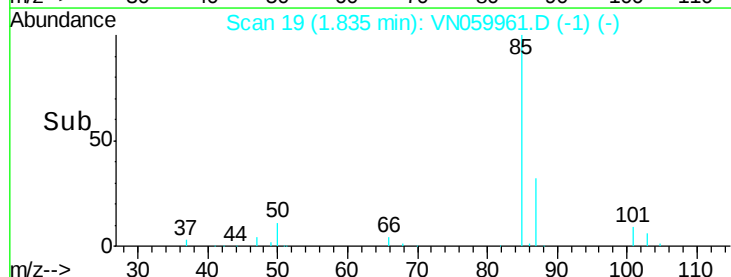
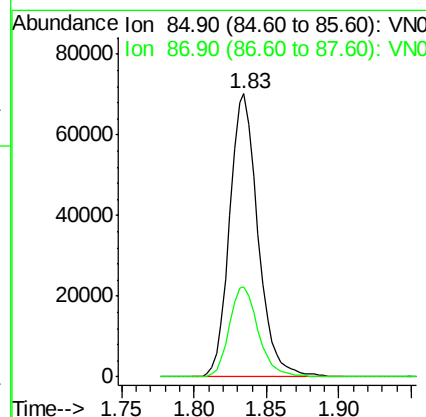
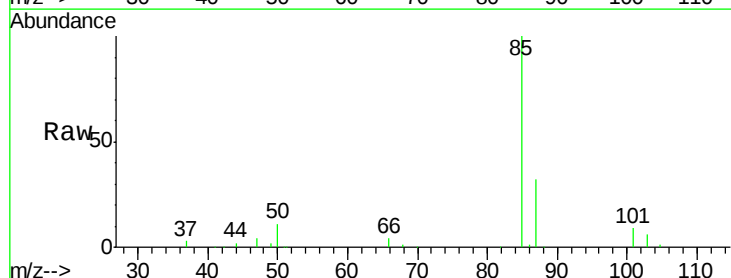
Acq: 31 Jan 2020 20:14

Tgt Ion: 85 Resp: 95429

Ion Ratio Lower Upper

85 100

87 32.0 15.9 47.7





#3

Chloromethane

Concen: 46.162 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 94382

Ion Ratio Lower Upper

50 100

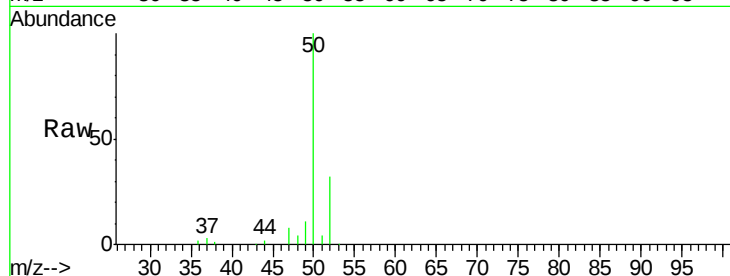
52 31.9 25.9 38.9

Manual Integrations

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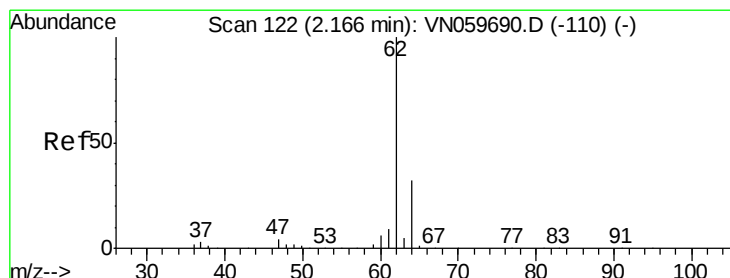
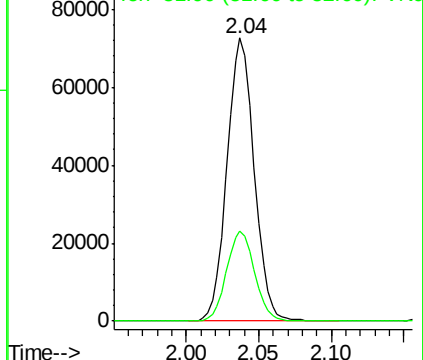
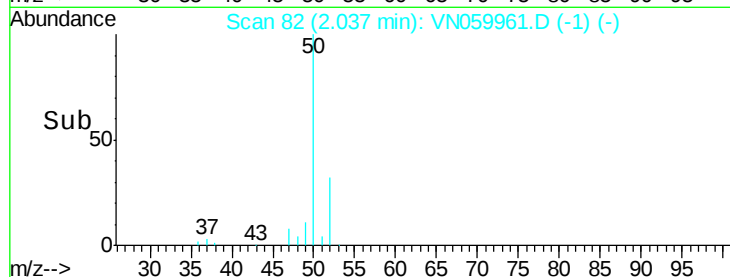
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Abundance Ion 49.90 (49.60 to 50.60): VN059961.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN059961.D (-1) (-)



#4

Vinyl Chloride

Concen: 52.883 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059961.D

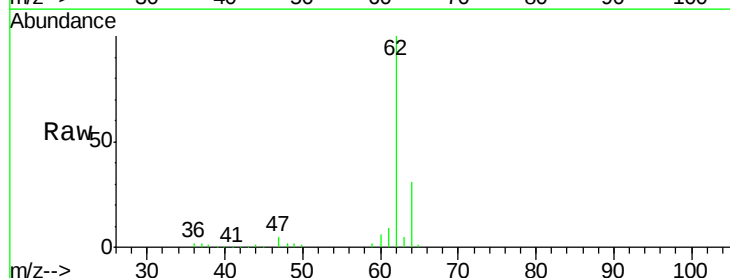
Acq: 31 Jan 2020 20:14

Tgt Ion: 62 Resp: 123711

Ion Ratio Lower Upper

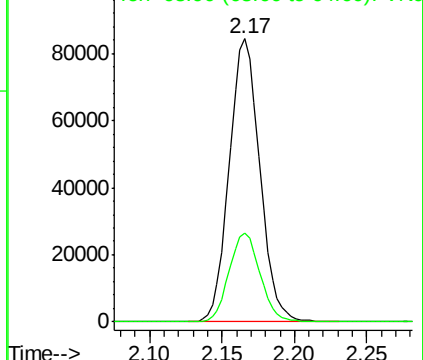
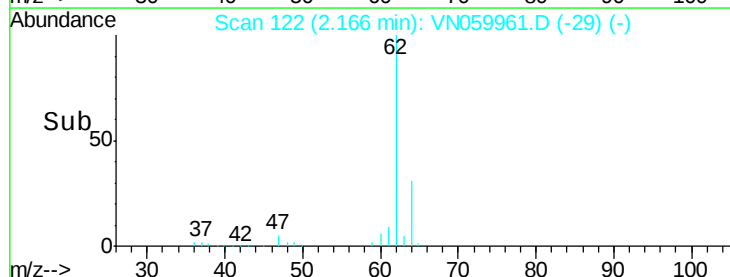
62 100

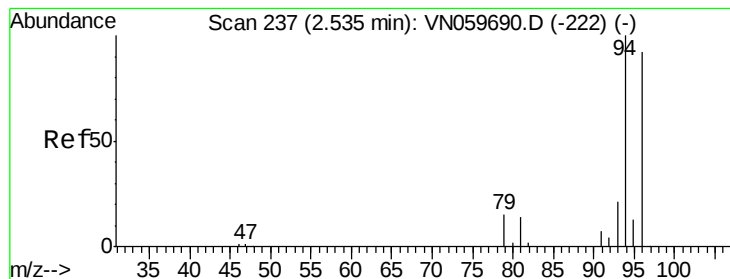
64 31.5 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VN059961.D (-29) (-)

Ion 63.90 (63.60 to 64.60): VN059961.D (-29) (-)





#5

Bromomethane

Concen: 47.845 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

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Tot Ion: 94 Resp: 68306

Ion Ratio Lower Upper

94 100

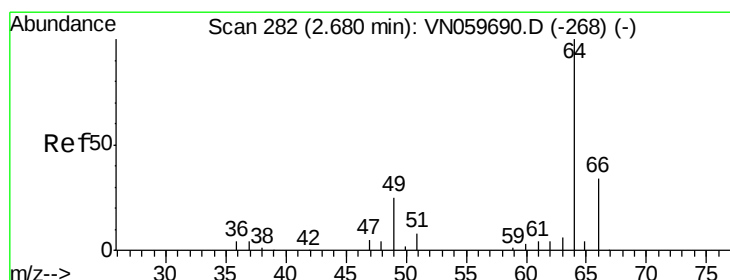
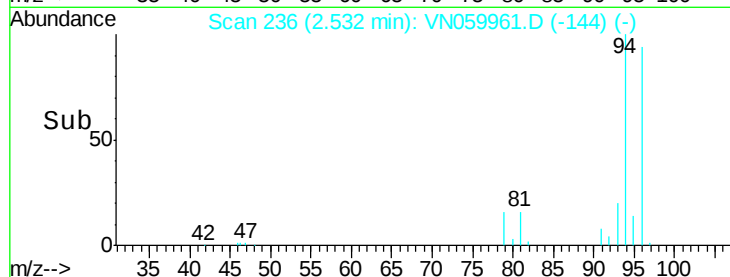
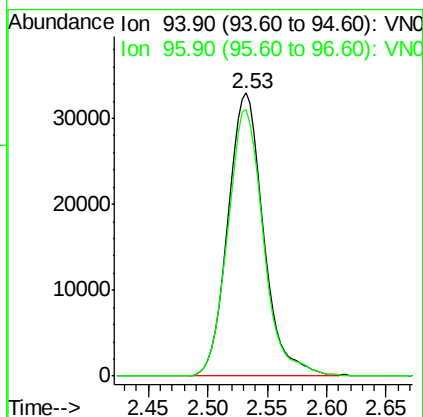
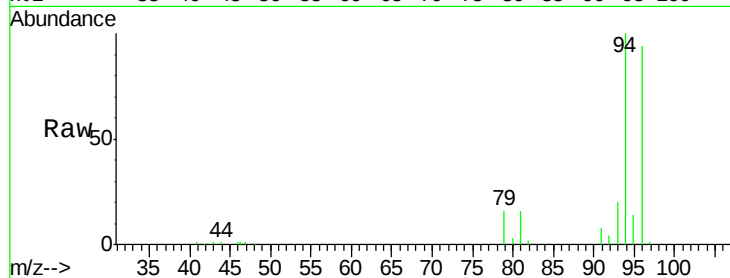
96 94.0 74.7 112.1

Manual Integrations

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#6

Chloroethane

Concen: 52.358 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN059961.D

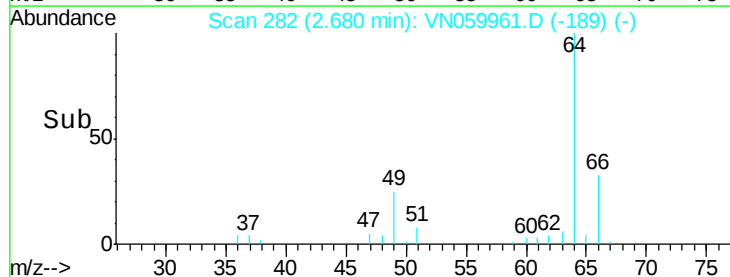
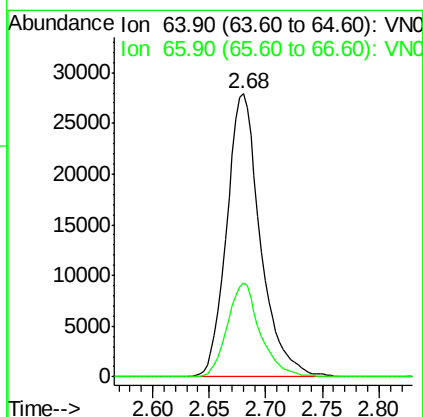
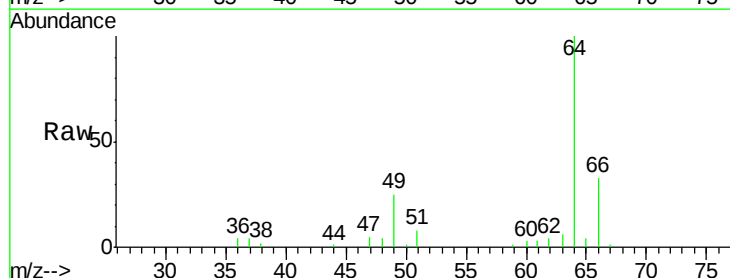
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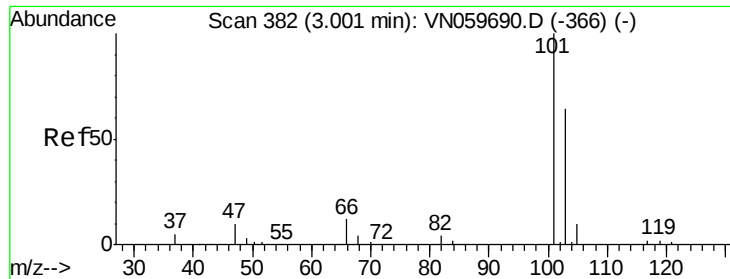
Tgt Ion: 64 Resp: 57948

Ion Ratio Lower Upper

64 100

66 33.4 25.1 37.7





#7

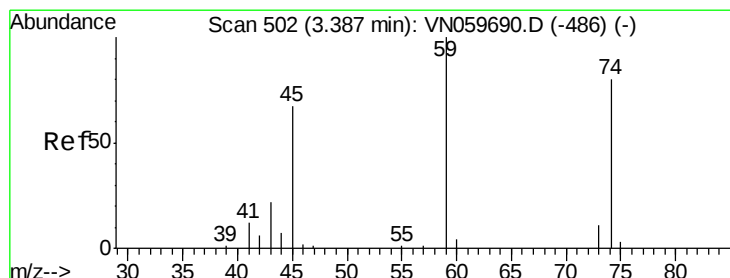
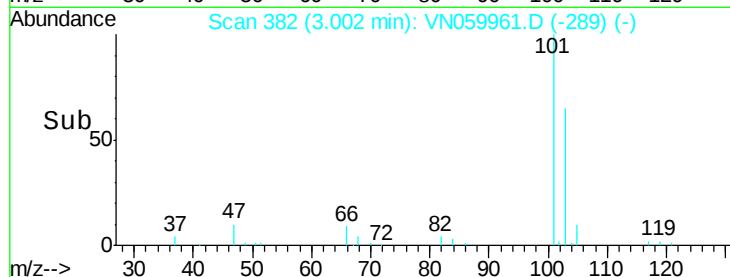
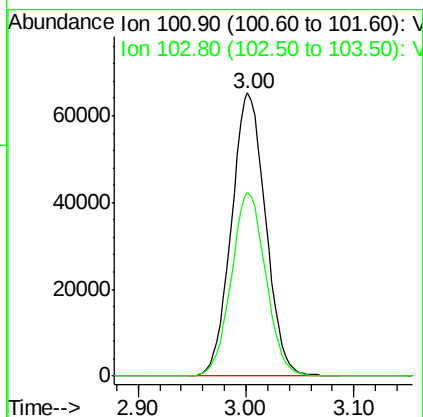
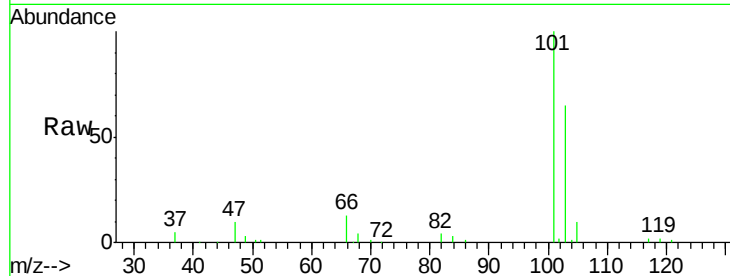
Trichlorofluoromethane
 Concen: 51.282 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

Instrument :
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 ClientSampleId :
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Tot Ion:101 Resp: 144072
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.0 76.6

Manual Integrations
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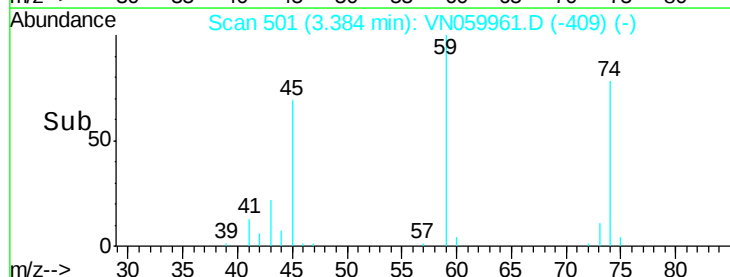
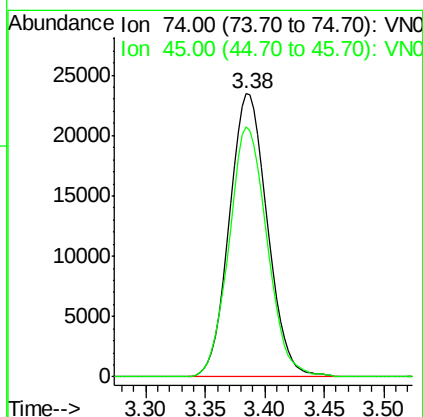
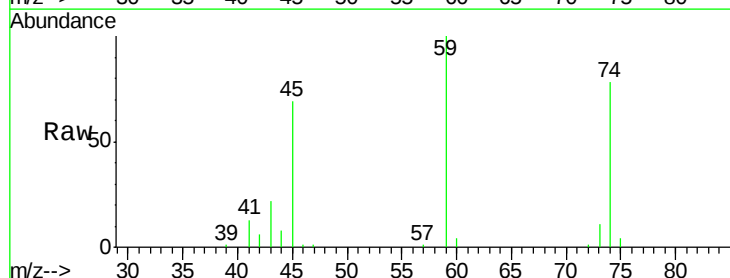
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 2/4/2020 12:50:29 PM



#8

Diethyl Ether
 Concen: 52.726 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

Tgt Ion: 74 Resp: 51985
 Ion Ratio Lower Upper
 74 100
 45 88.5 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.840 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Instrument :

MSVOA_N

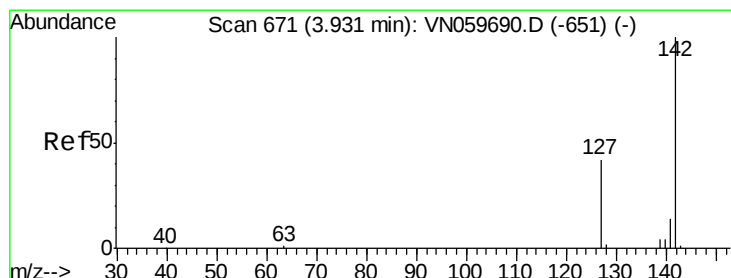
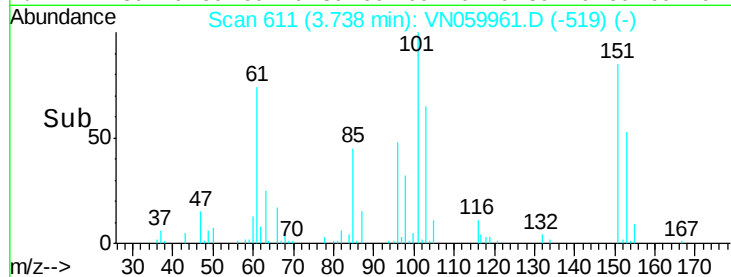
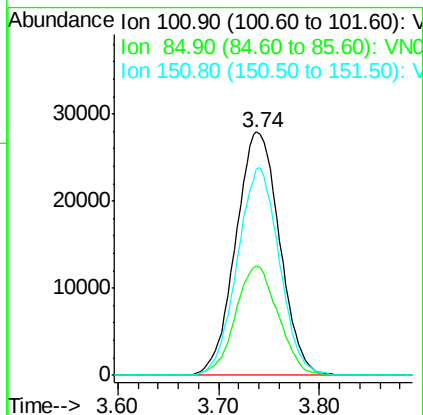
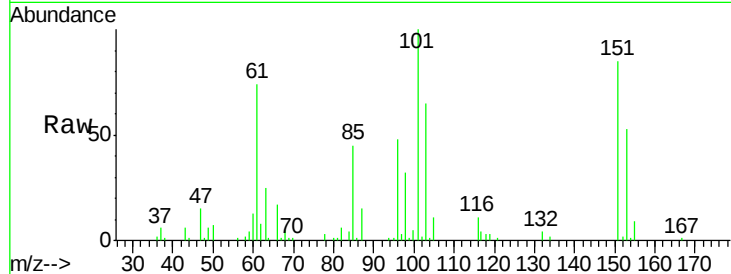
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	84186
Ion Ratio	Lower	Upper	
101	100		
85	43.9	36.6	54.8
151	81.7	59.7	89.5

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#10

Methyl Iodide

Concen: 45.331 ug/l

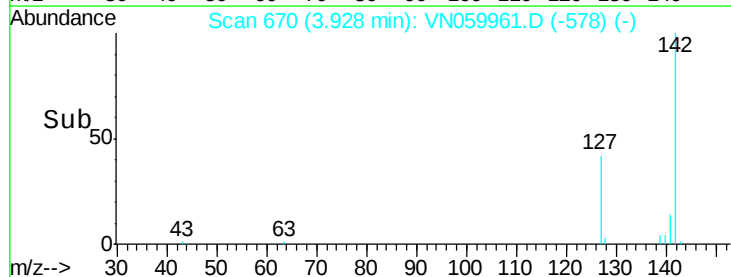
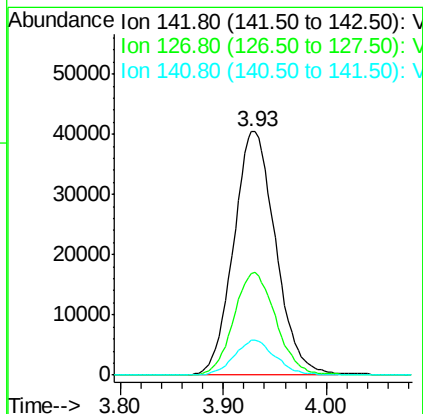
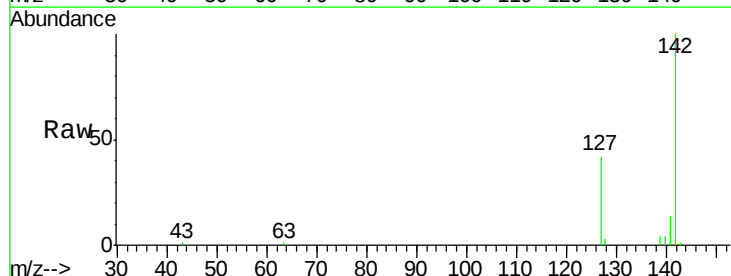
RT: 3.93 min Scan# 670

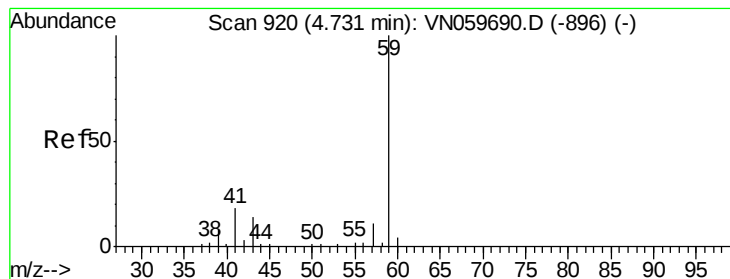
Delta R.T. -0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Tgt Ion:	142	Resp:	114571
Ion Ratio	Lower	Upper	
142	100		
127	42.3	36.7	55.1
141	14.1	11.7	17.5





#11

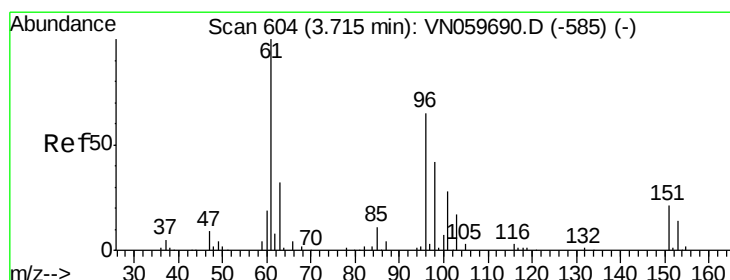
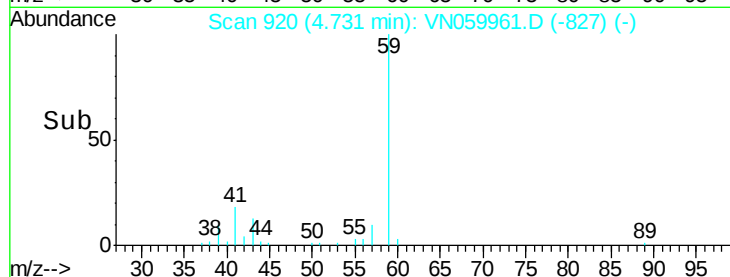
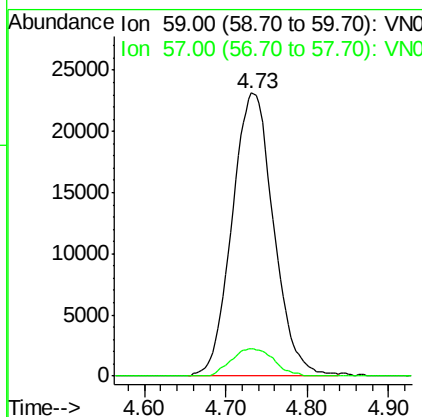
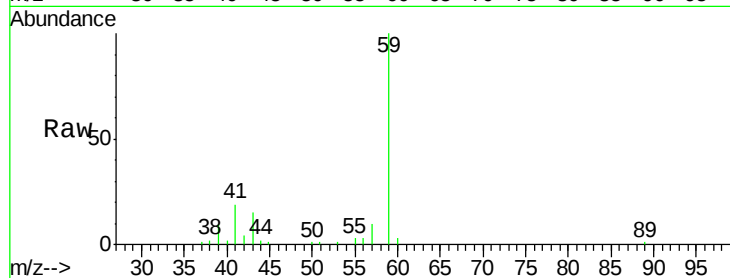
Tert butyl alcohol
 Concen: 244.938 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.6	12.8

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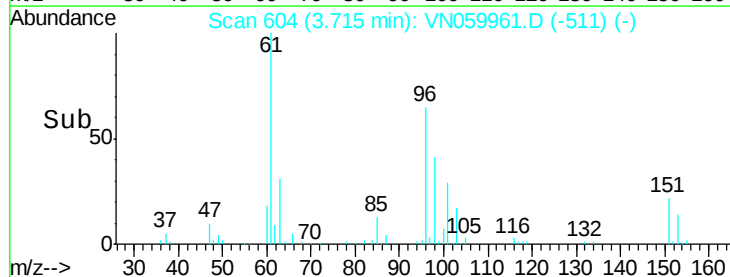
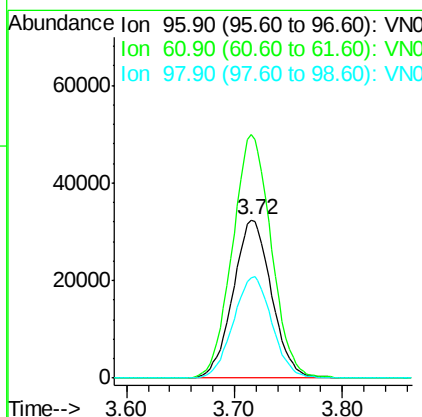
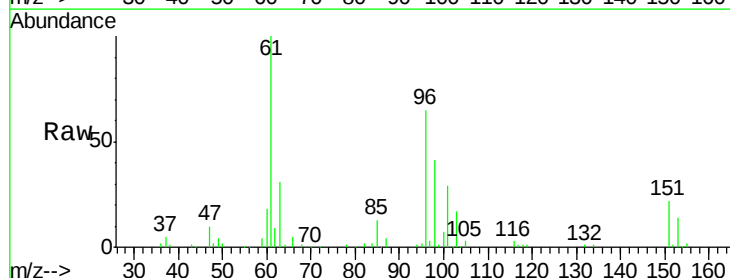
MMDadoda
 2/4/2020 12:50:29 PM



#12

1,1-Dichloroethene
 Concen: 49.221 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.8	137.5	206.3
98	63.2	50.2	75.4





#13

Acrolein

Concen: 268.251 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 63398

Ion Ratio Lower Upper

56 100

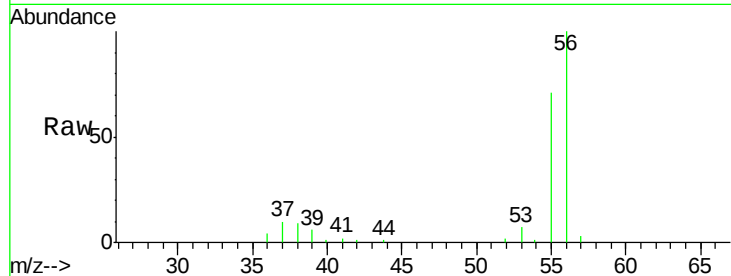
55 71.0 58.6 88.0

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN059961.D (-545) (-)

Ion 55.00 (54.70 to 55.70): VN059961.D (-545) (-)

3.58

25000

20000

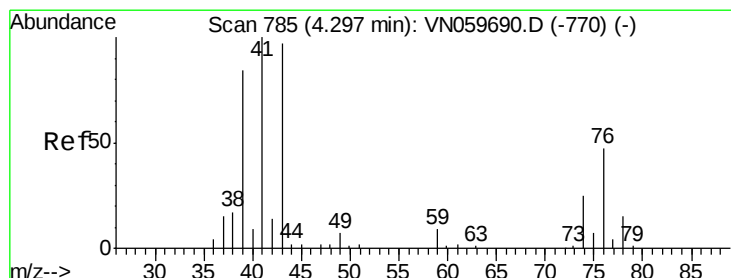
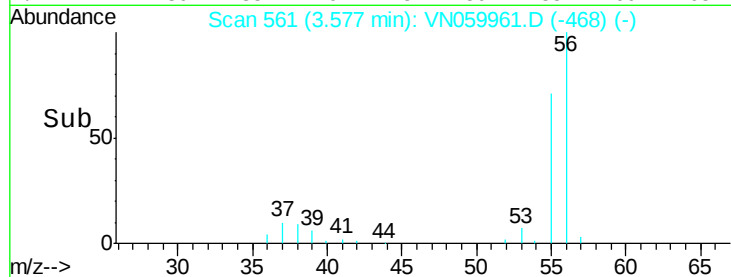
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 49.886 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

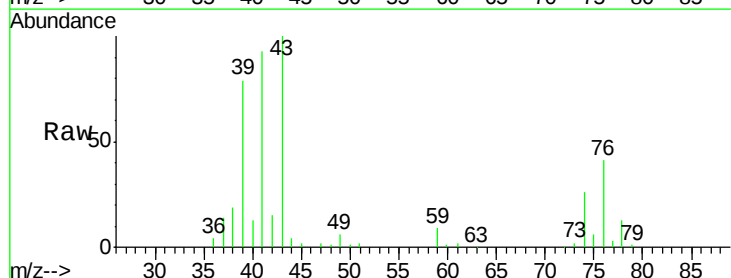
Tgt Ion: 41 Resp: 109863

Ion Ratio Lower Upper

41 100

39 84.8 57.8 86.8

76 43.3 25.4 38.0#



Abundance Ion 41.00 (40.70 to 41.70): VN059961.D (-692) (-)

Ion 39.00 (38.70 to 39.70): VN059961.D (-692) (-)

Ion 75.90 (75.60 to 76.60): VN059961.D (-692) (-)

4.30

50000

40000

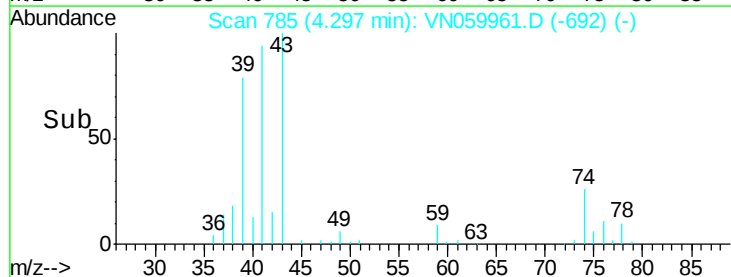
30000

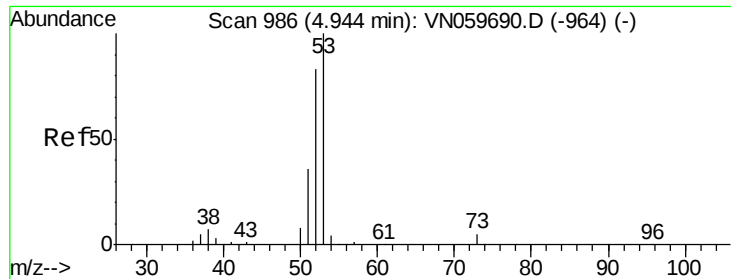
20000

10000

0

Time-->





#15

Acrylonitrile

Concen: 276.986 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Instrument :

MSVOA_N

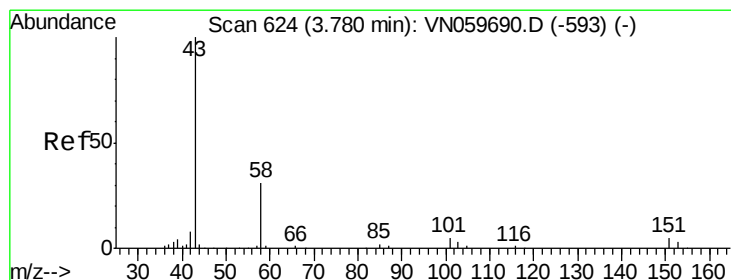
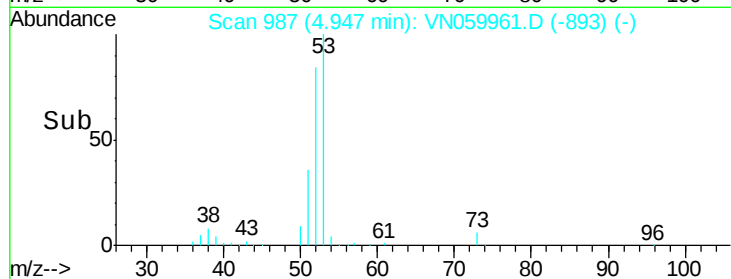
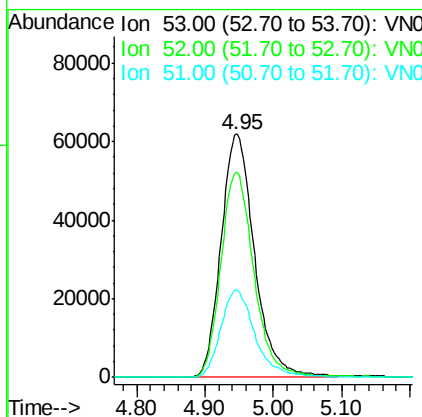
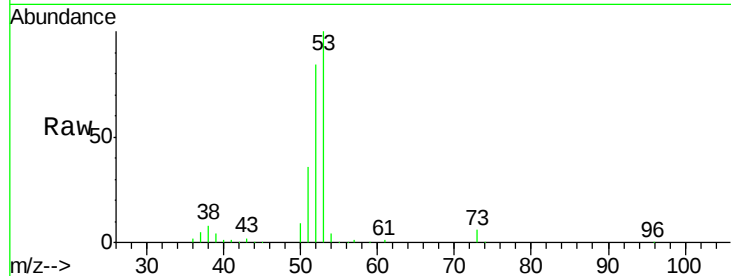
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	210947
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.3	99.5
51	36.9	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 328.524 ug/l

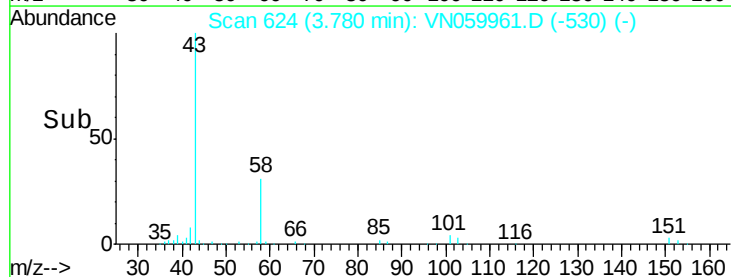
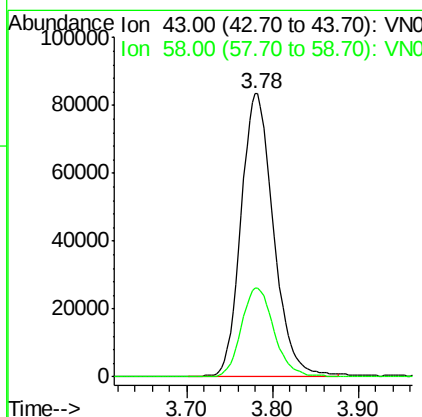
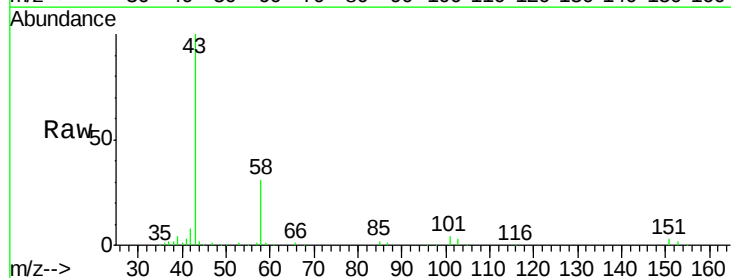
RT: 3.78 min Scan# 624

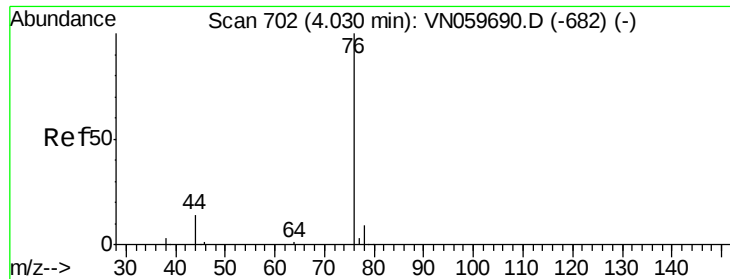
Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Tgt Ion:	43	Resp:	220096
Ion	Ratio	Lower	Upper
43	100		
58	31.5	23.6	35.4





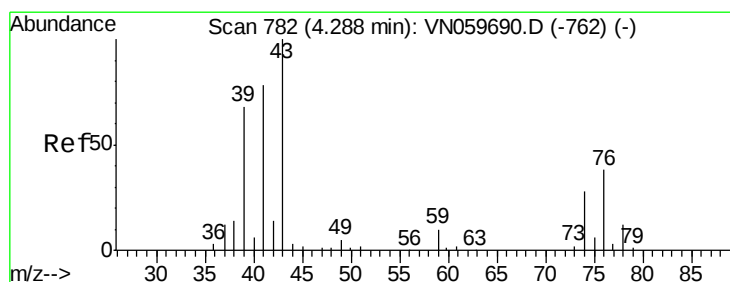
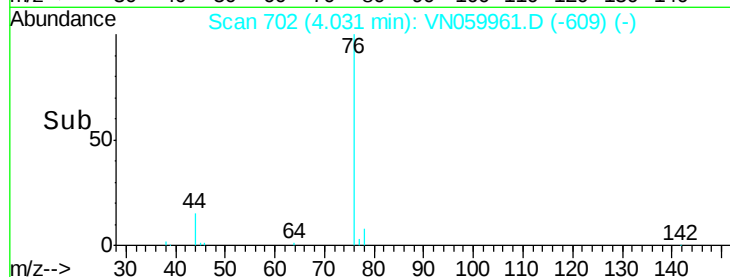
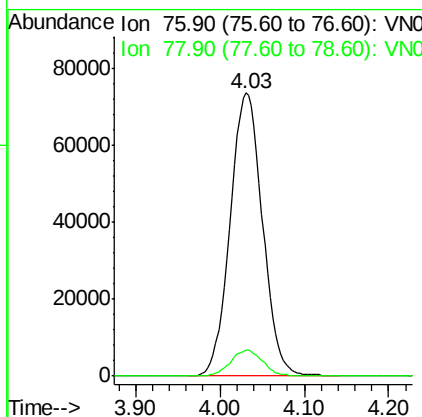
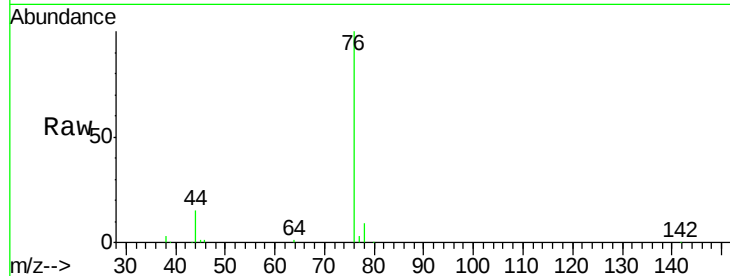
#17
Carbon Disulfide
Concen: 42.201 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

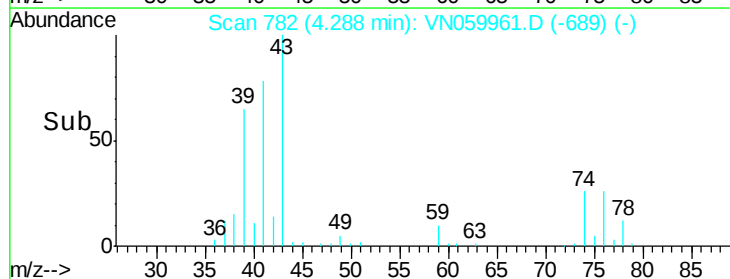
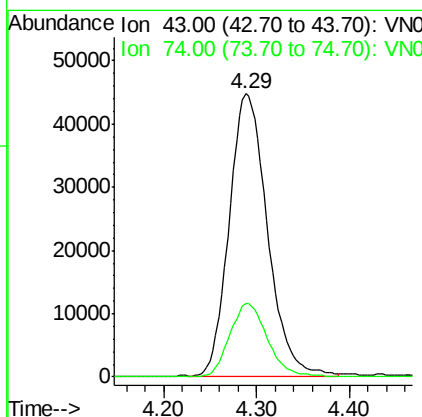
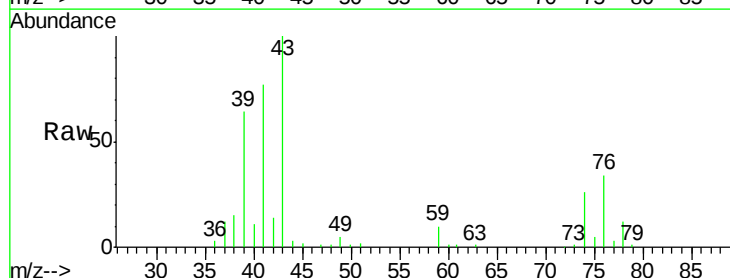
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#18
Methyl Acetate
Concen: 54.908 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.9	17.5	26.3





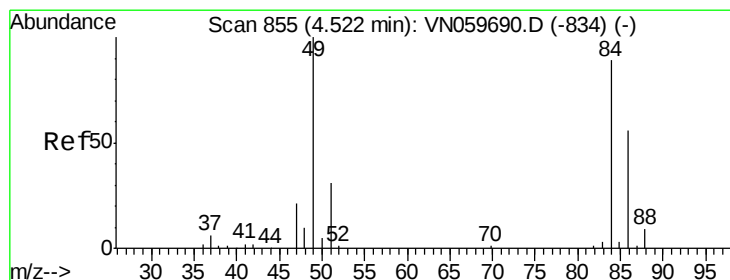
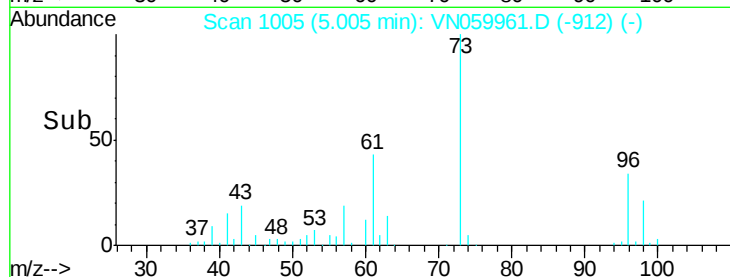
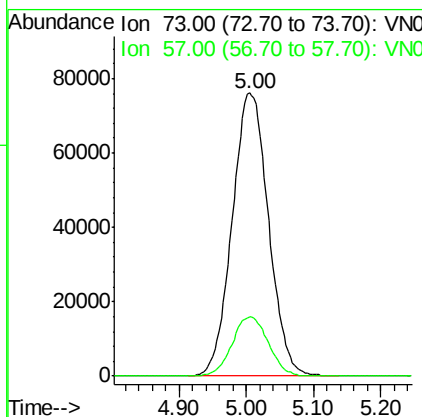
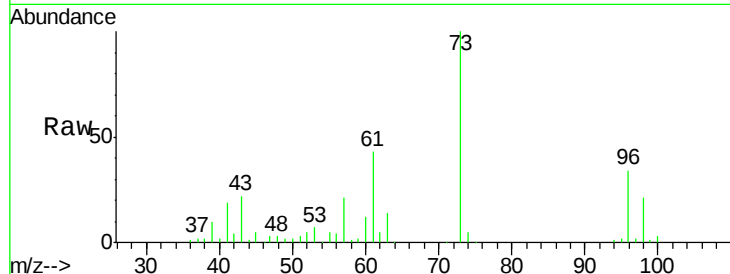
#19
Methvl tert-butvl Ether
Concen: 53.607 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 285570
Ion Ratio Lower Upper
73 100
57 21.0 18.6 27.8

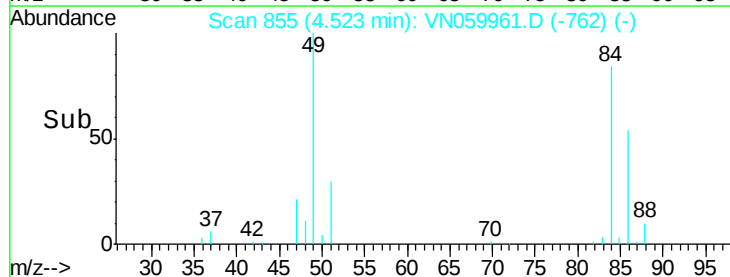
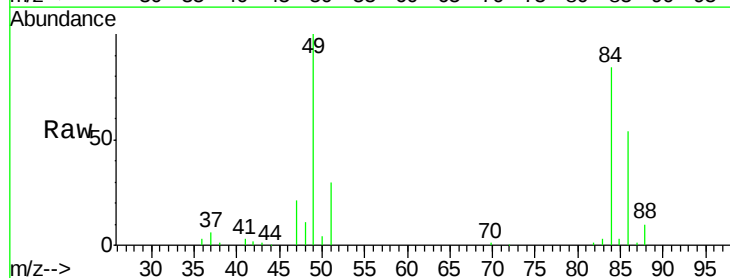
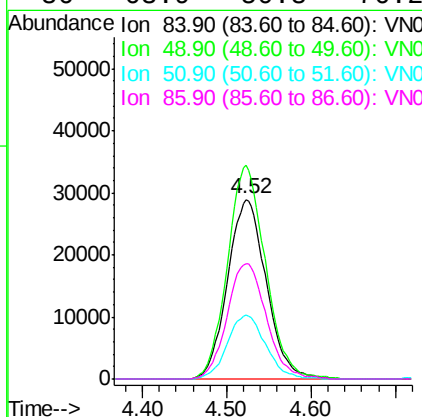
Manual Integrations
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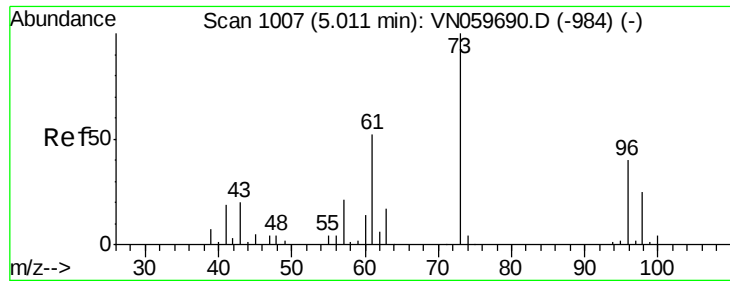
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#20
Methylene Chloride
Concen: 51.501 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Tgt Ion: 84 Resp: 92338
Ion Ratio Lower Upper
84 100
49 118.9 106.6 160.0
51 35.3 31.9 47.9
86 63.9 50.8 76.2





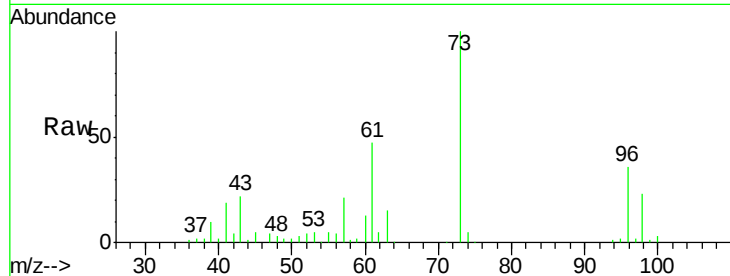
#21
trans-1,2-Dichloroethene
Concen: 49.840 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.0	120.4	180.6
98	63.3	50.6	75.8

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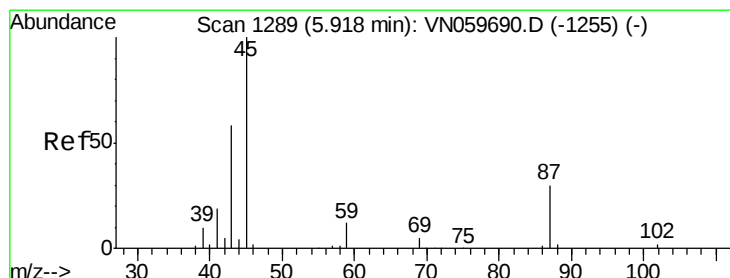
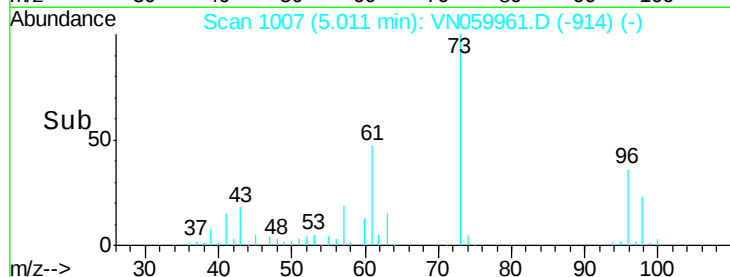
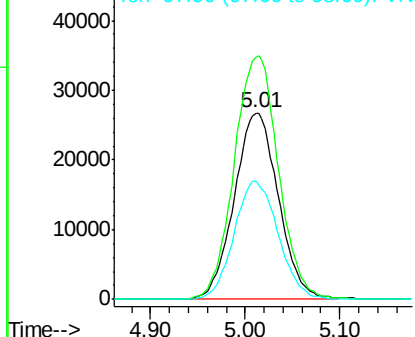


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22
Diisopropyl ether
Concen: 53.724 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.6	50.8	76.2
87	31.0	21.0	31.6
59	12.3	9.1	13.7

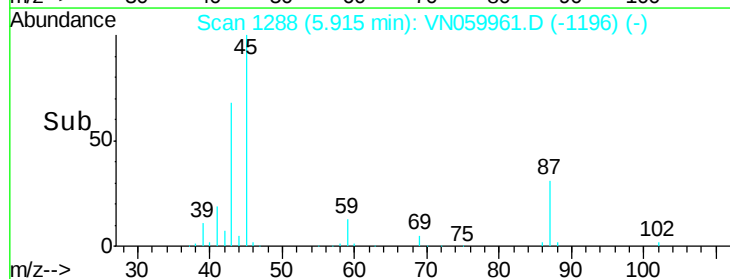
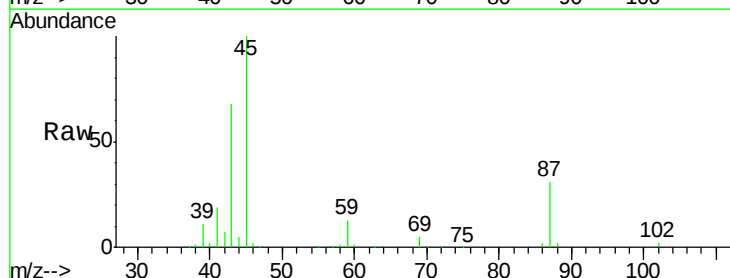
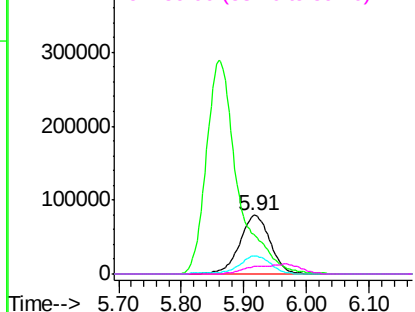
Abundance

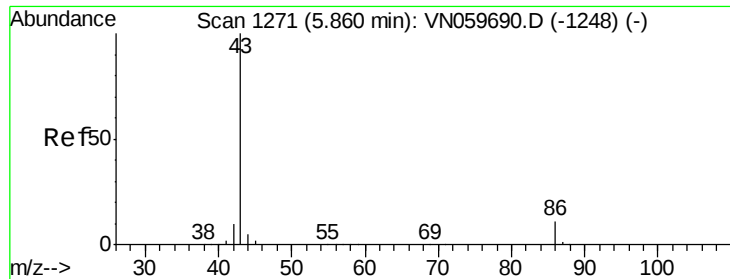
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





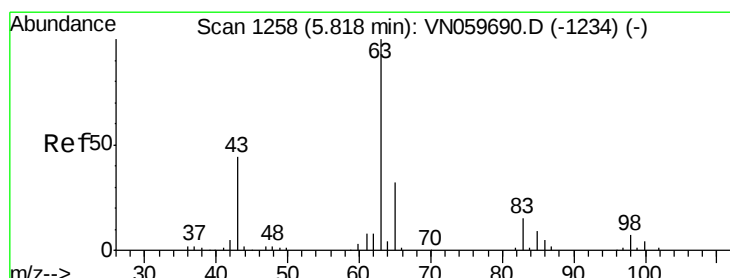
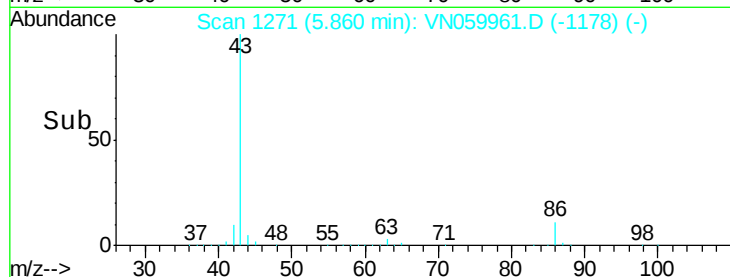
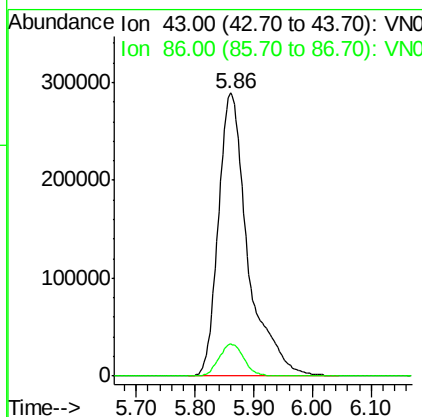
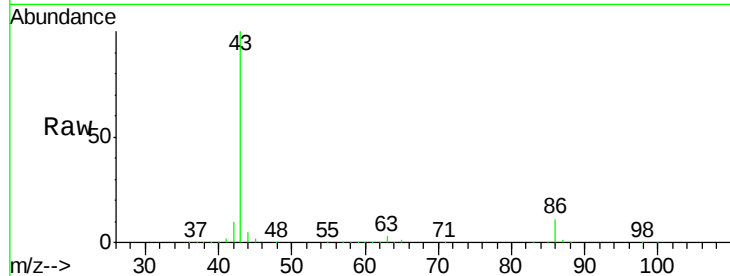
#23
 Vinyl Acetate
 Concen: 260.560 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1006817
 Ion Ratio Lower Upper
 43 100
 86 11.3 7.6 11.4

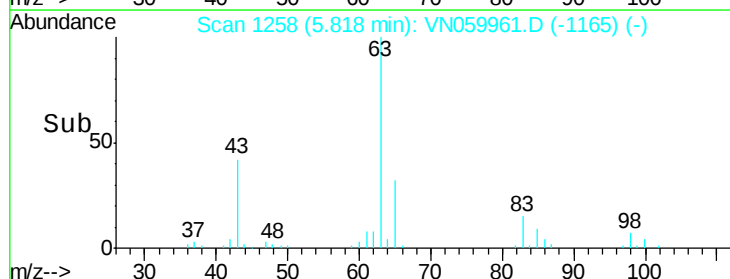
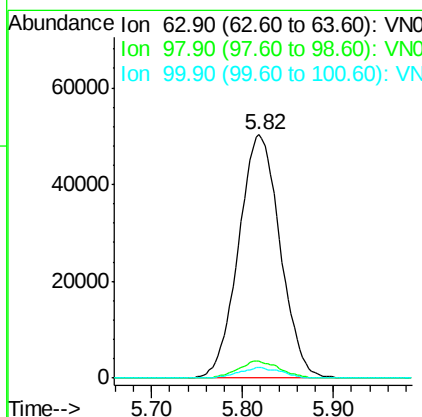
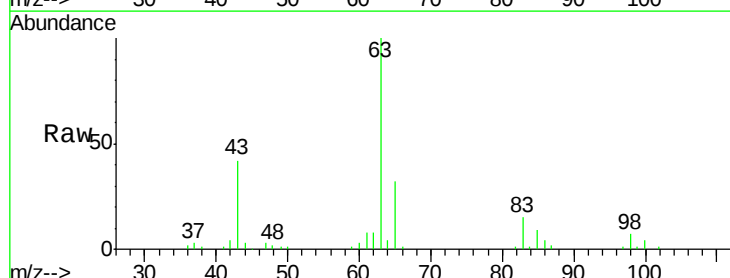
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#24
 1,1-Dichloroethane
 Concen: 52.339 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

Tgt Ion: 63 Resp: 159605
 Ion Ratio Lower Upper
 63 100
 98 6.7 2.9 8.7
 100 4.3 2.0 6.0





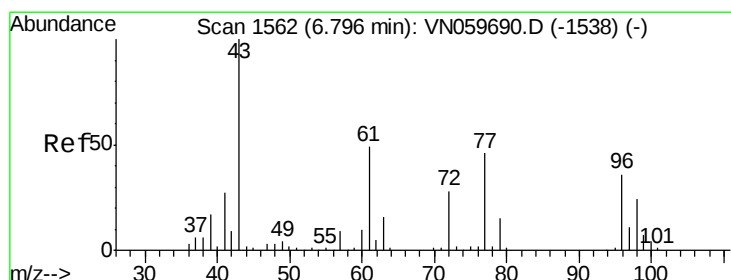
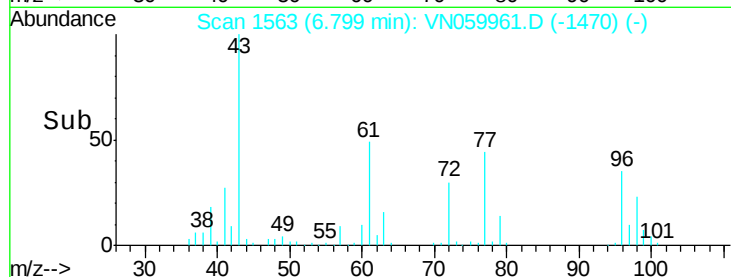
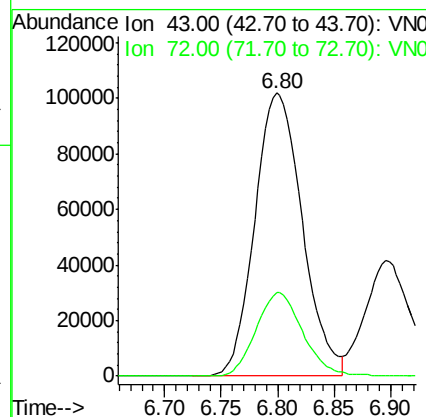
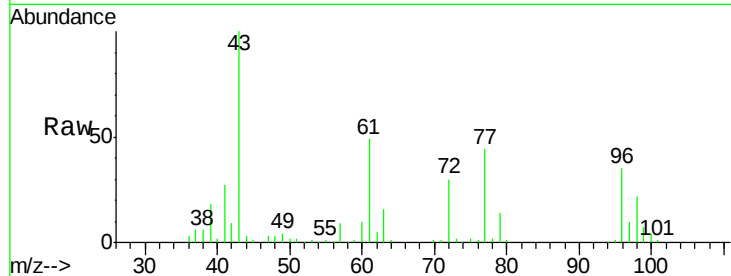
#25
2-Butanone
Concen: 264.046 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 296549
Ion Ratio Lower Upper
43 100
72 29.6 19.9 29.9

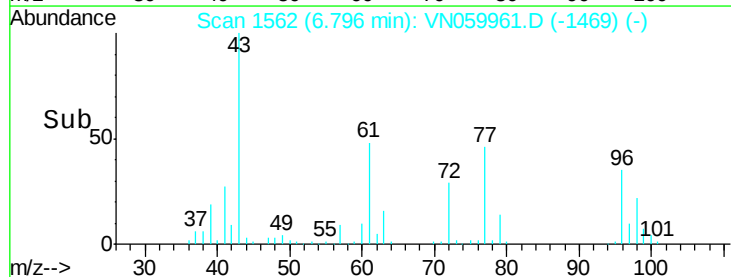
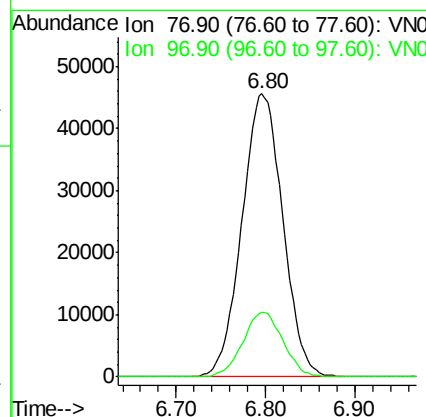
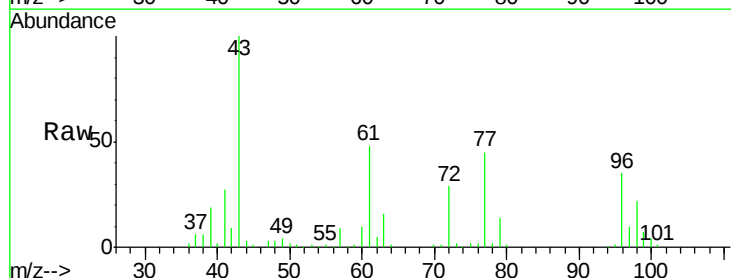
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#26
2,2-Dichloropropane
Concen: 49.433 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Tgt Ion: 77 Resp: 144922
Ion Ratio Lower Upper
77 100
97 22.4 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 52.909 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059961.D

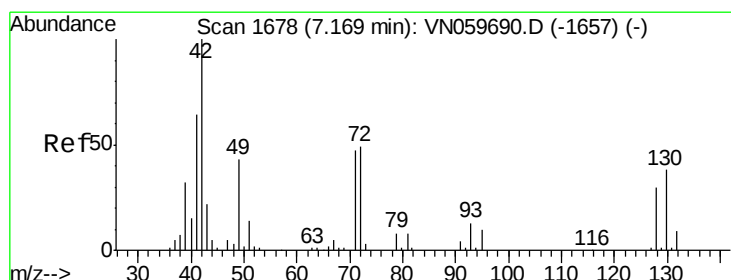
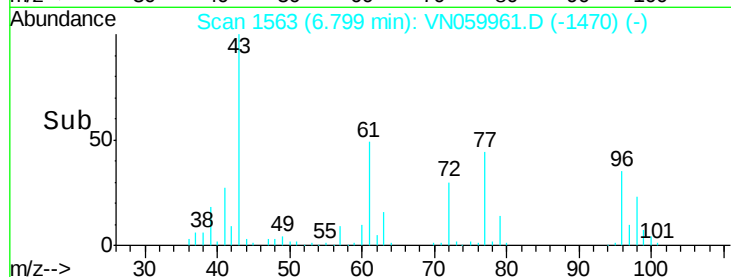
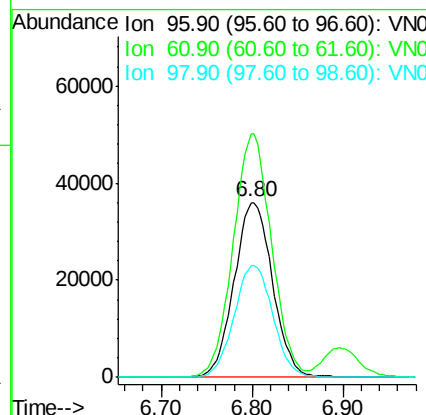
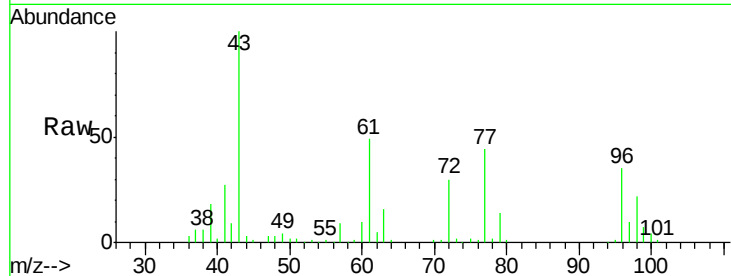
Acq: 31 Jan 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	138.8	0.0	317.6	
98	64.4	0.0	127.0	

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#28

Bromochloromethane

Concen: 50.906 ug/l

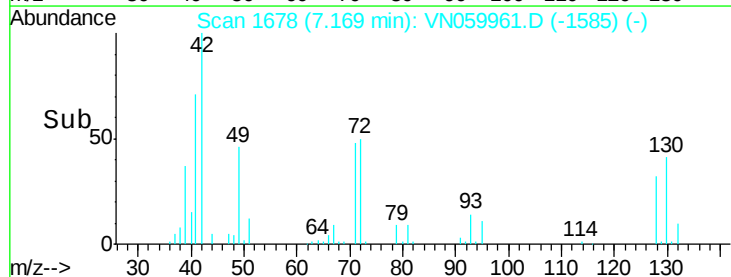
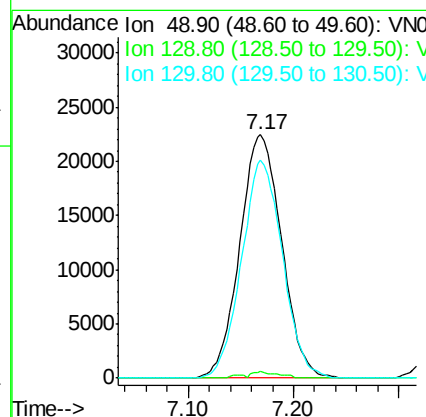
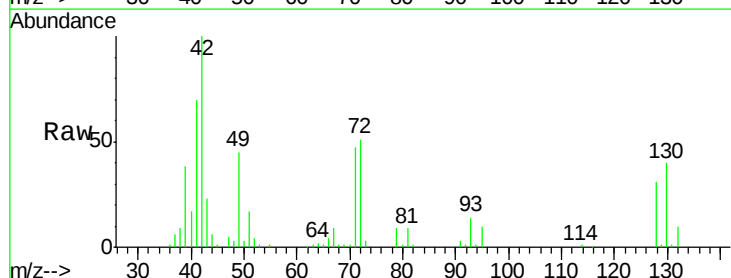
RT: 7.17 min Scan# 1678

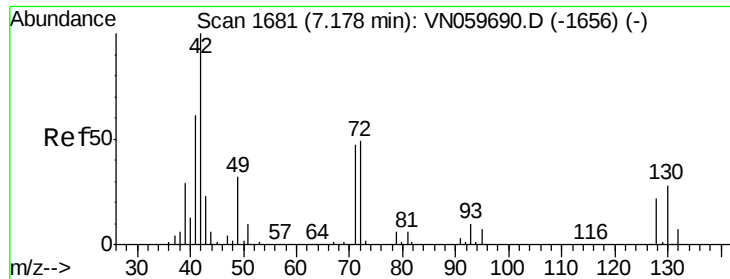
Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	3.4	
130	87.4	54.7	82.1	





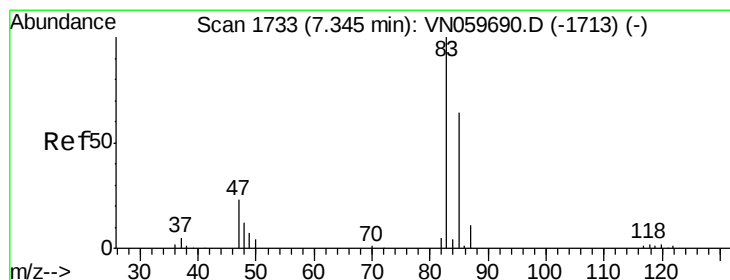
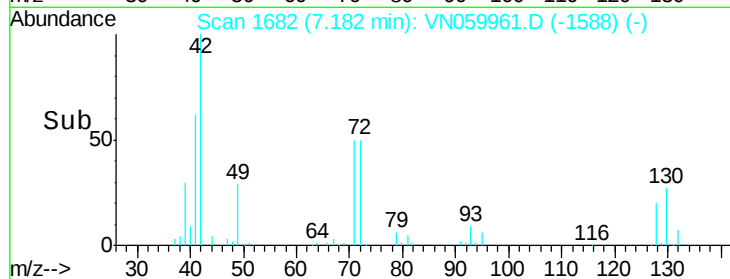
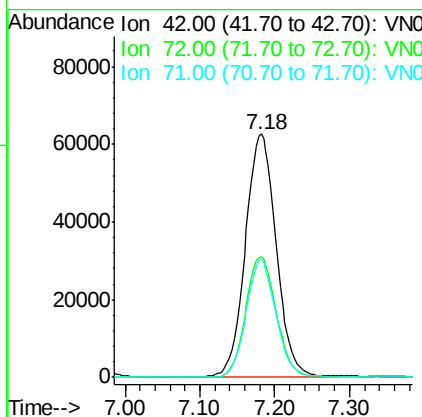
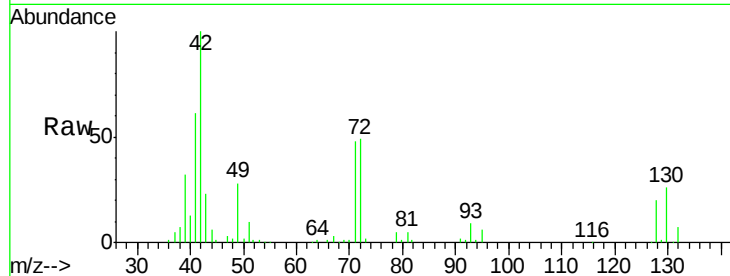
#29
Tetrahydrofuran
Concen: 259.626 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.0	33.1	49.7
71	46.4	31.4	47.0

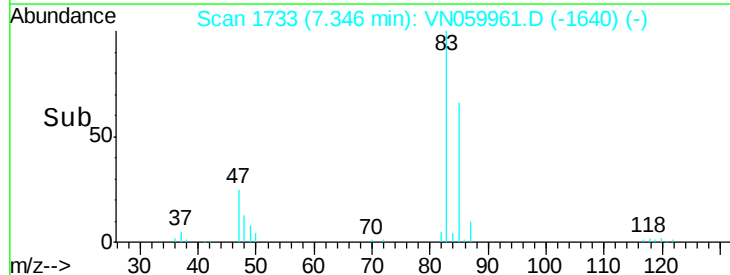
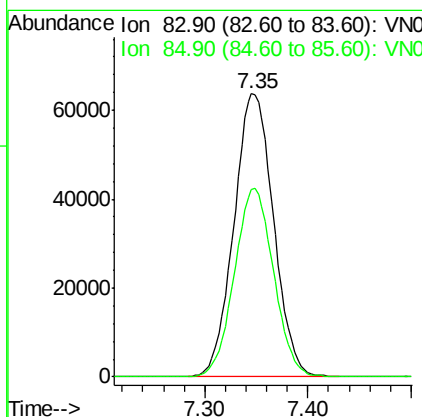
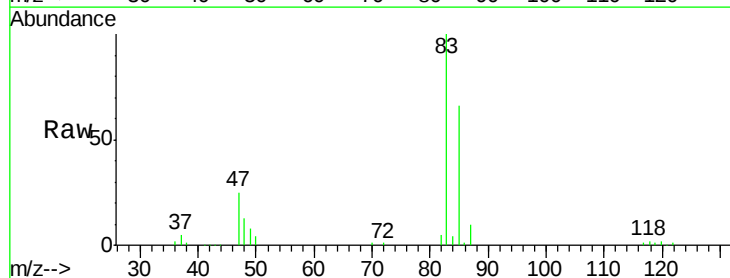
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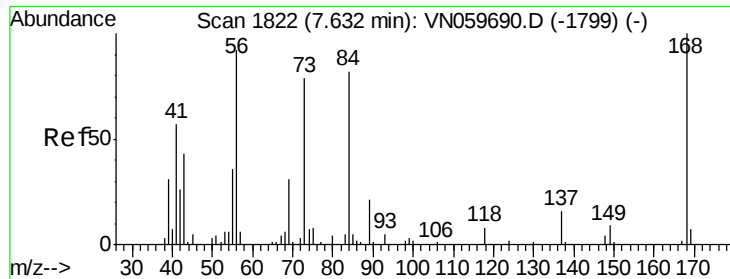
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#30
Chloroform
Concen: 53.878 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.4	78.6





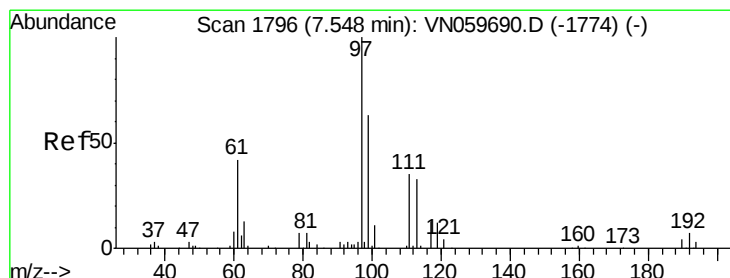
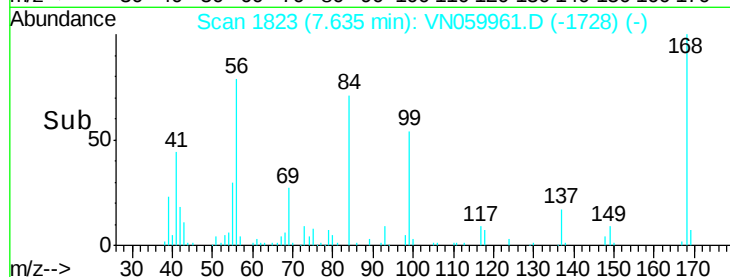
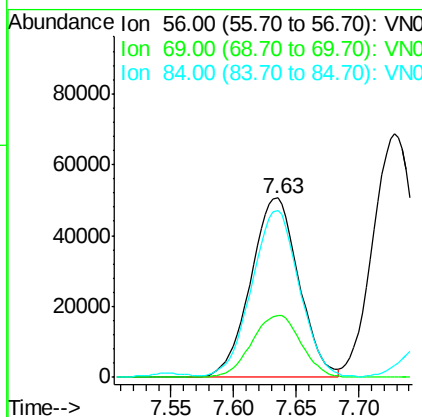
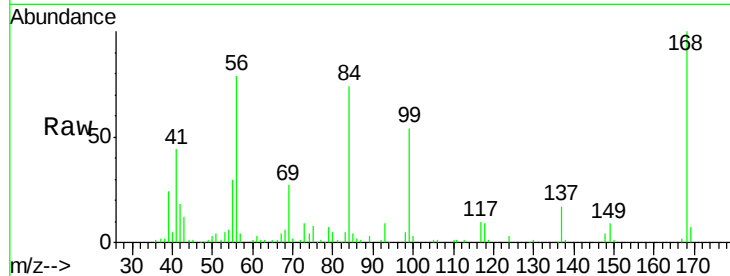
#31
Cyclohexane
Concen: 46.055 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.4	26.5	39.7
84	92.0	65.3	97.9

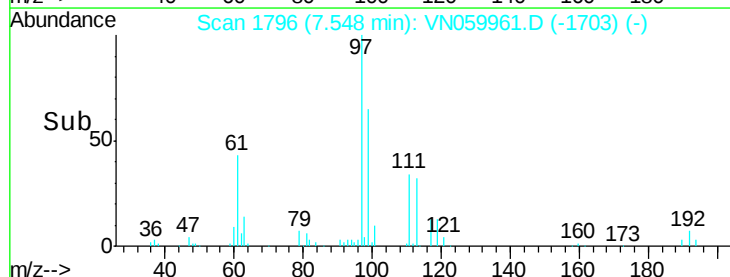
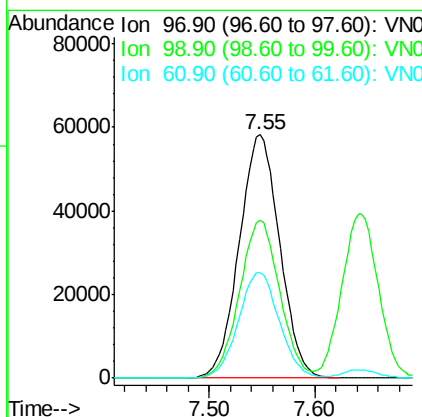
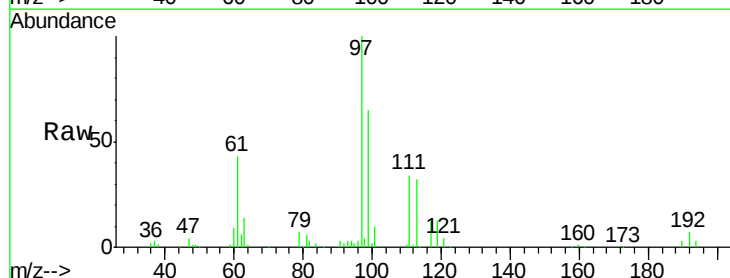
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#32
1,1,1-Trichloroethane
Concen: 53.223 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.0	76.4
61	43.6	38.5	57.7





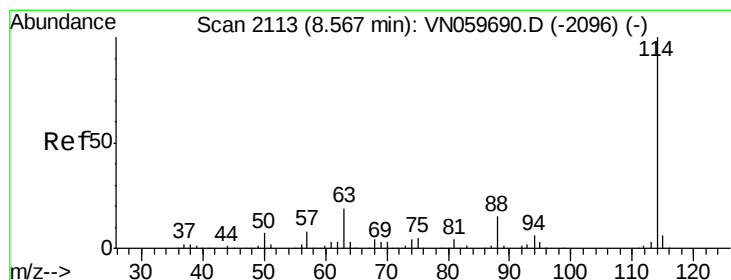
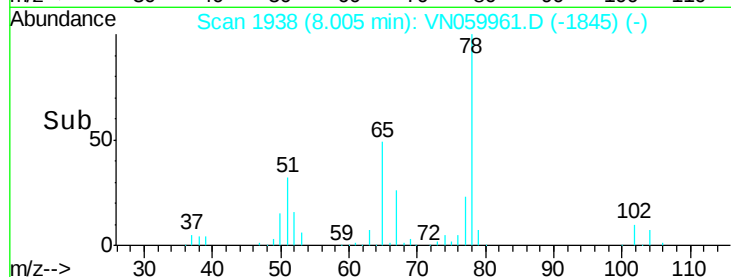
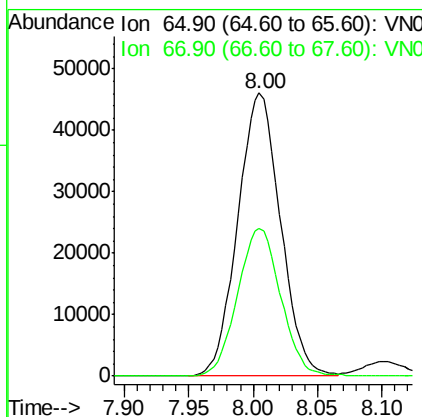
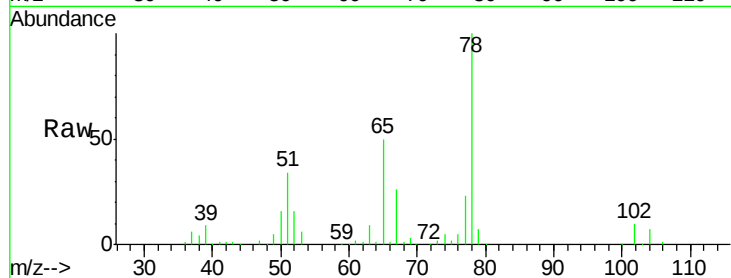
#33
 1,2-Dichloroethane-d4
 Concen: 53.623 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.6	0.0	103.0	

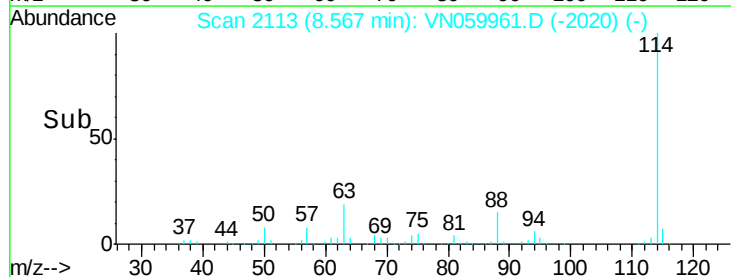
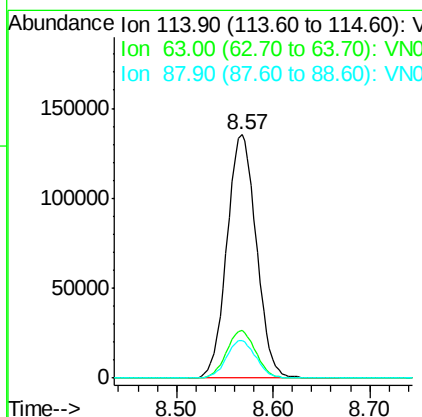
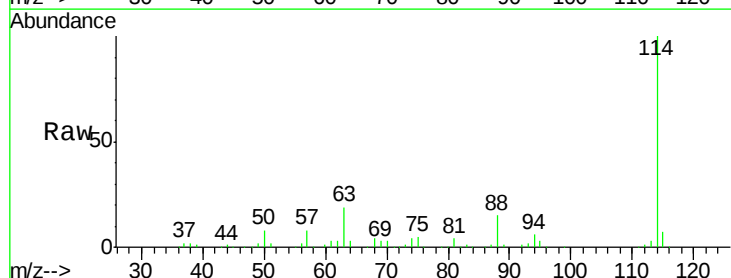
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.5	0.0	43.6	
88	15.4	0.0	31.4	





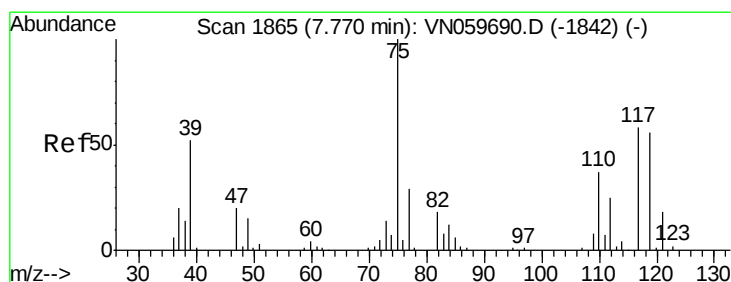
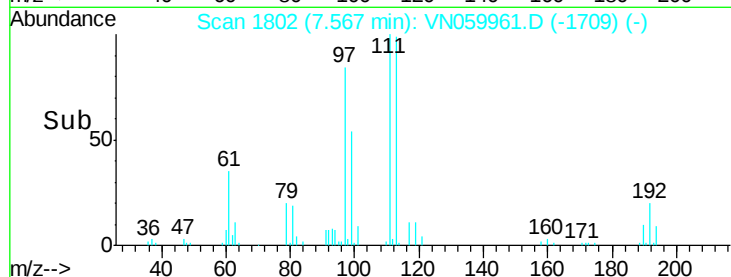
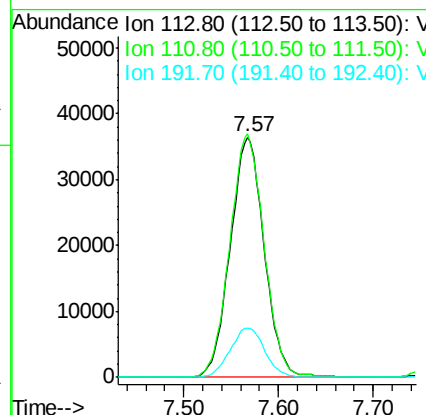
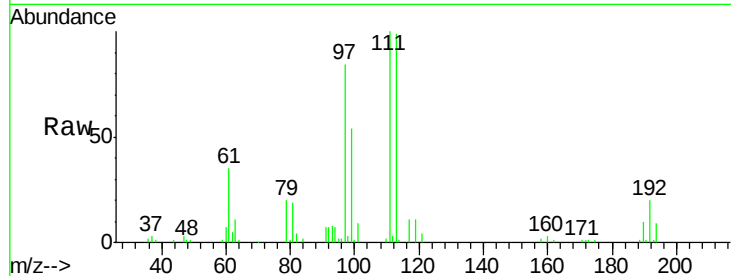
#35
 Dibromofluoromethane
 Concen: 53.200 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.5	125.3
192	20.8	15.4	23.2

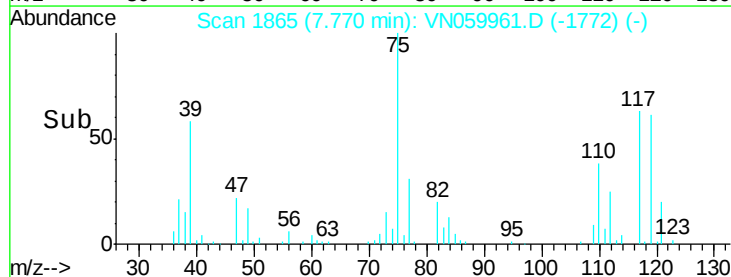
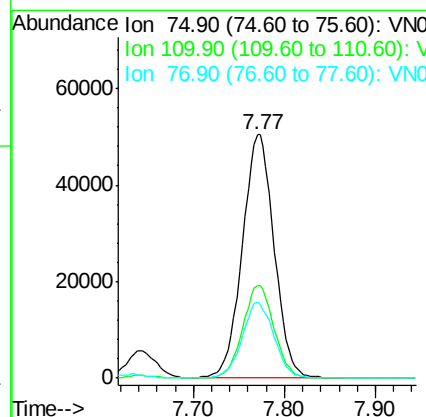
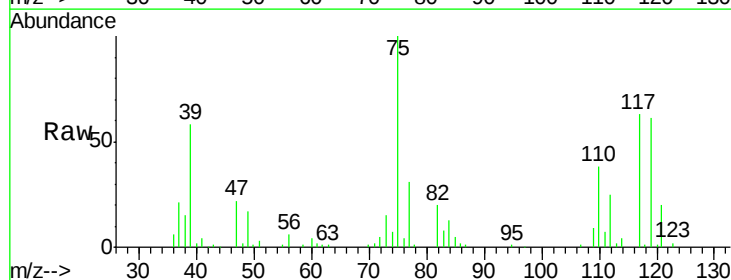
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#36
 1,1-Dichloropropene
 Concen: 49.156 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.3	16.6	49.7
77	31.1	25.1	37.7





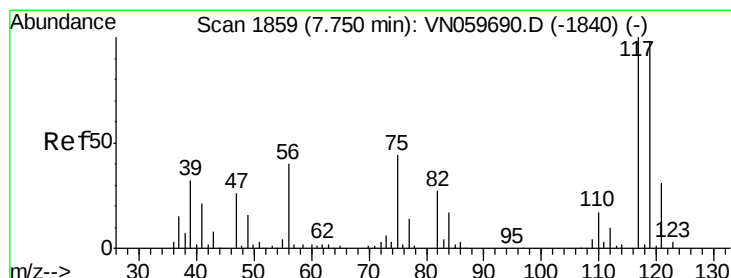
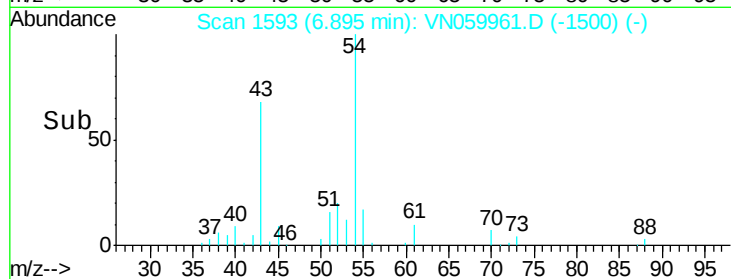
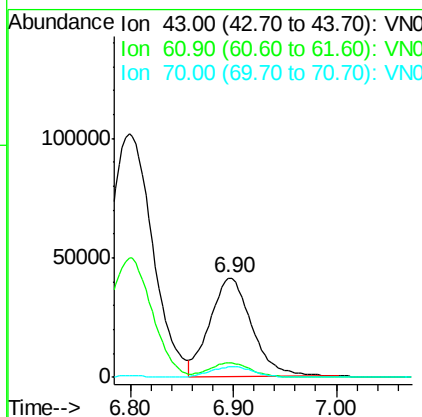
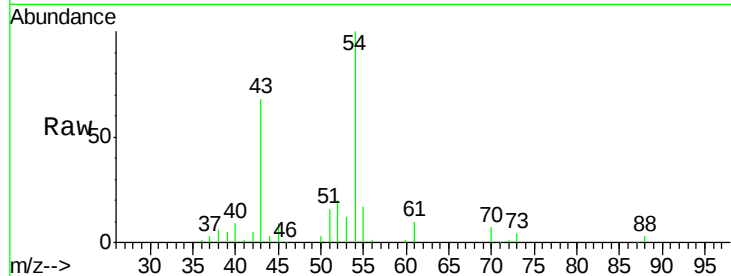
#37
Ethyl Acetate
Concen: 49.753 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	10.9	16.3
70	11.1	7.7	11.5

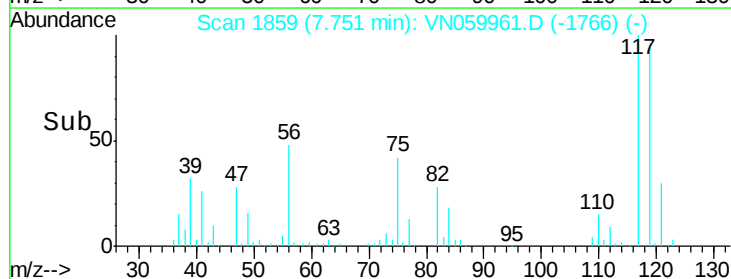
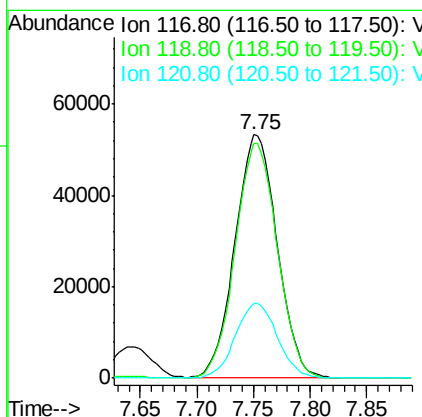
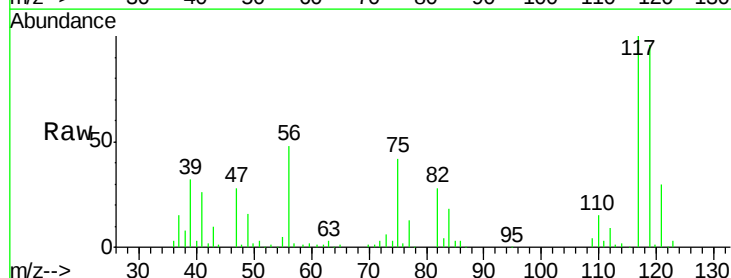
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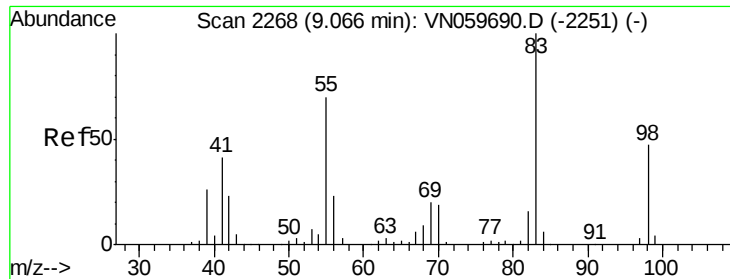
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#38
Carbon Tetrachloride
Concen: 51.016 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.5	114.7
121	30.4	25.1	37.7





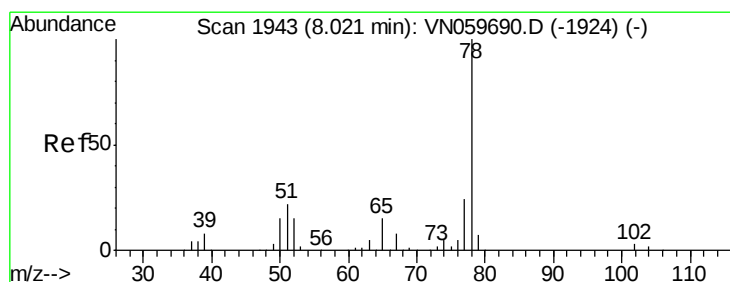
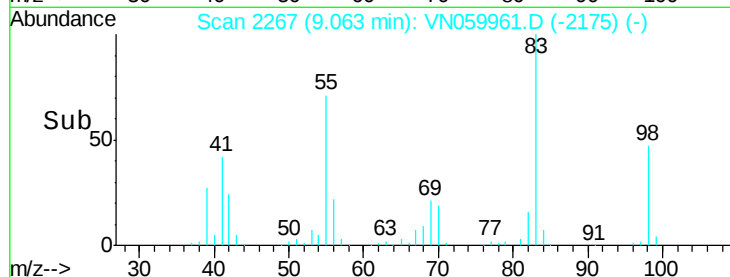
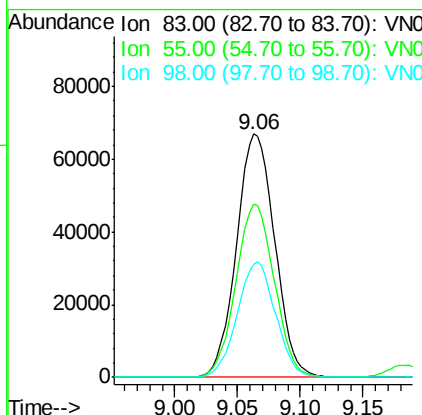
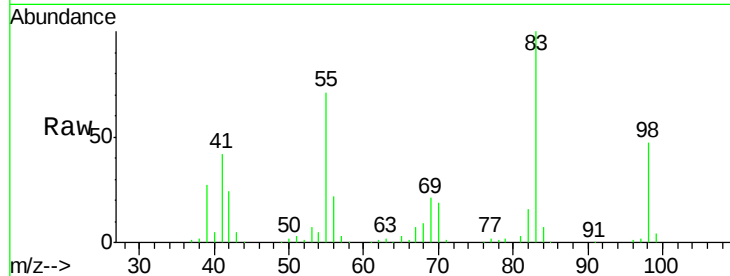
#39
Methvlcvclohexane
Concen: 46.225 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.3	64.2	96.2
98	46.6	35.9	53.9

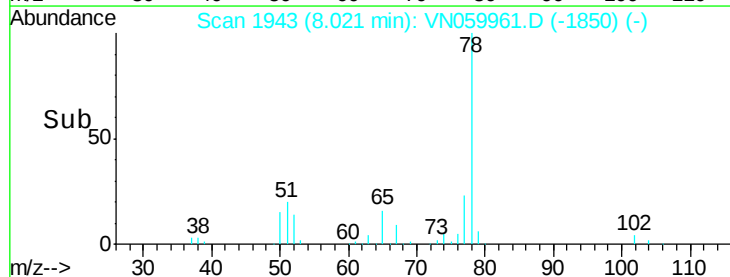
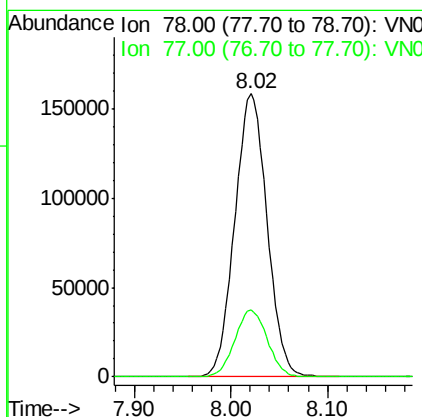
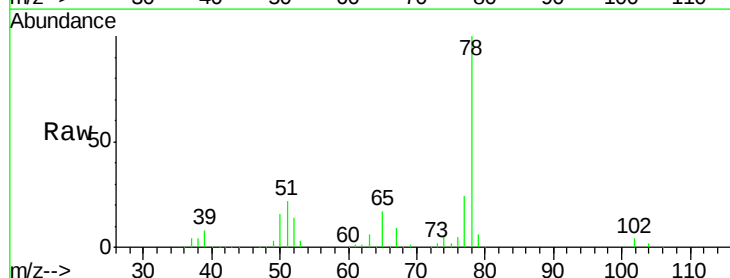
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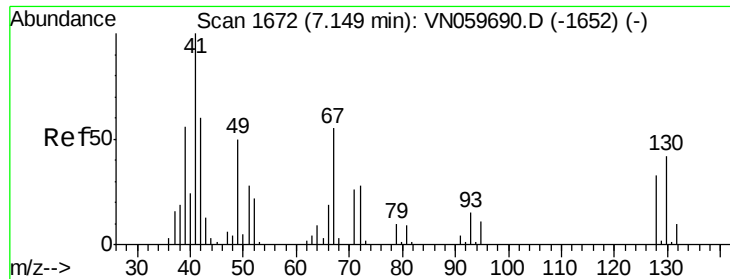
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#40
Benzene
Concen: 49.481 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.9	28.3





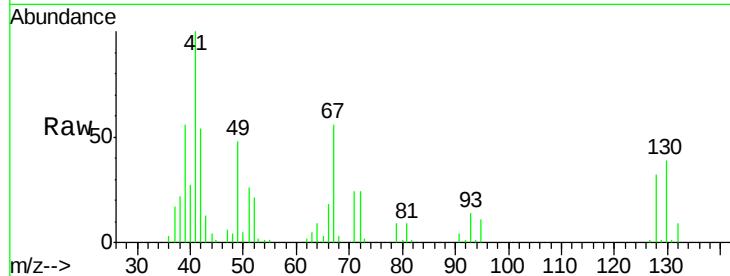
#41
Methacrylonitrile
Concen: 44.471 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	51198
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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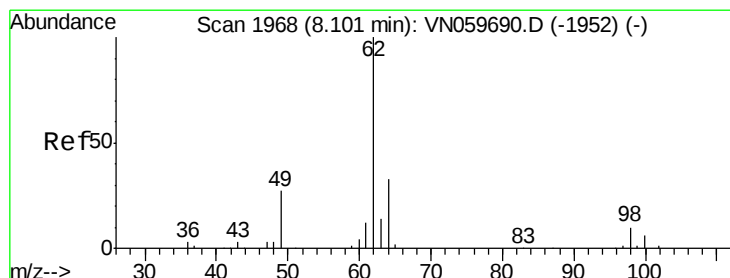
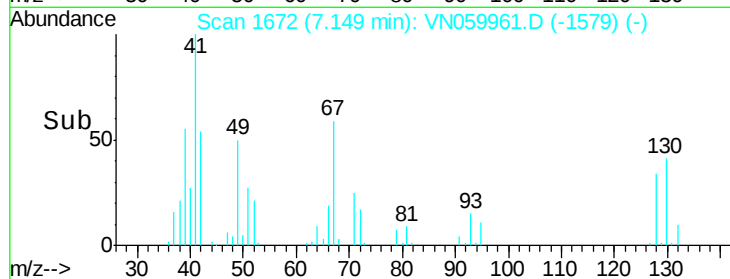
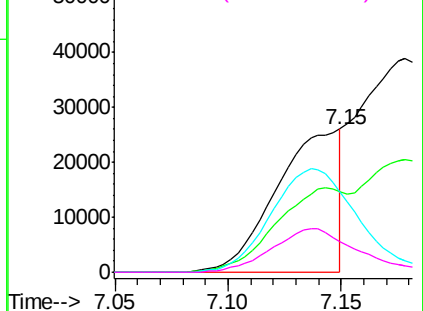


Abundance Ion 41.00 (40.70 to 41.70): VN059961.D (-1579) (-)

Ion 39.00 (38.70 to 39.70): VN059961.D (-1579) (-)

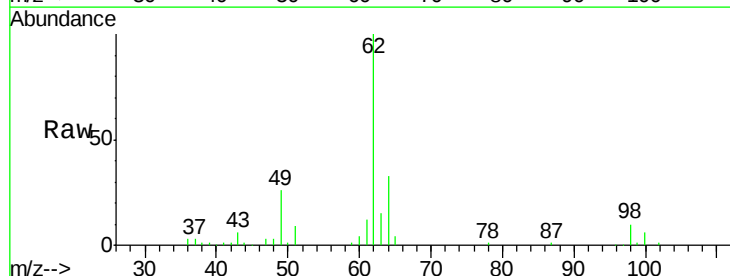
Ion 67.00 (66.70 to 67.70): VN059961.D (-1579) (-)

Ion 52.00 (51.70 to 52.70): VN059961.D (-1579) (-)



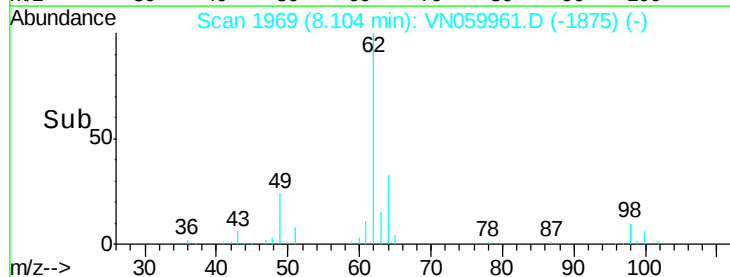
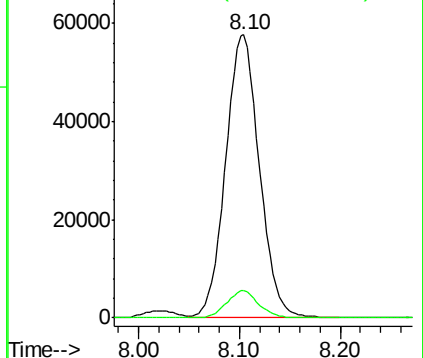
#42
1,2-Dichloroethane
Concen: 53.361 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

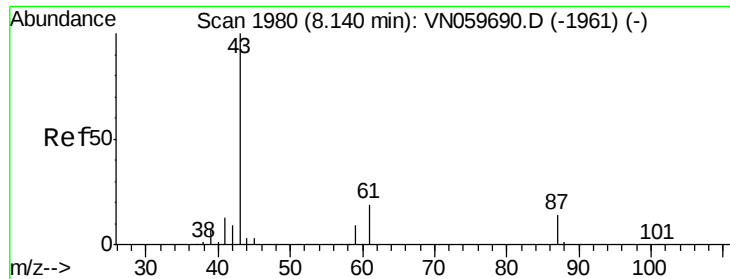
Tgt Ion	62	Resp	134466
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	15.8



Abundance Ion 61.90 (61.60 to 62.60): VN059961.D (-1875) (-)

Ion 97.90 (97.60 to 98.60): VN059961.D (-1875) (-)





#43

Isopropyl Acetate

Concen: 49.961 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Instrument :

MSVOA_N

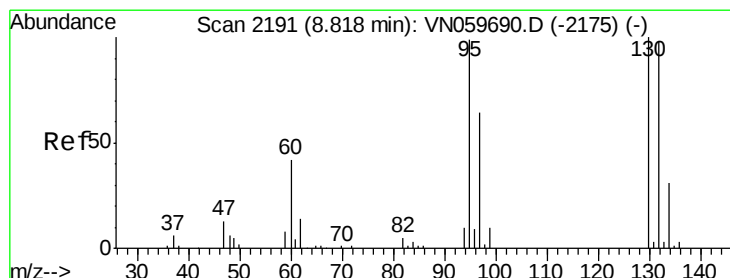
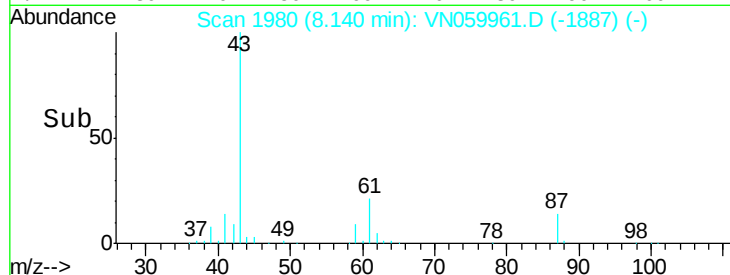
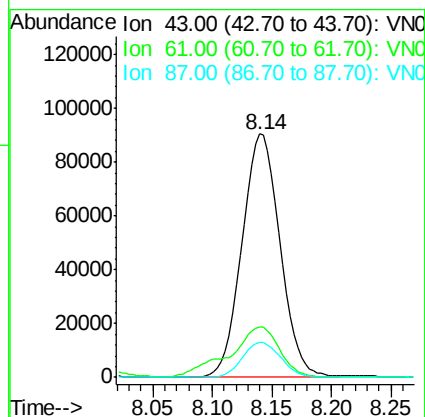
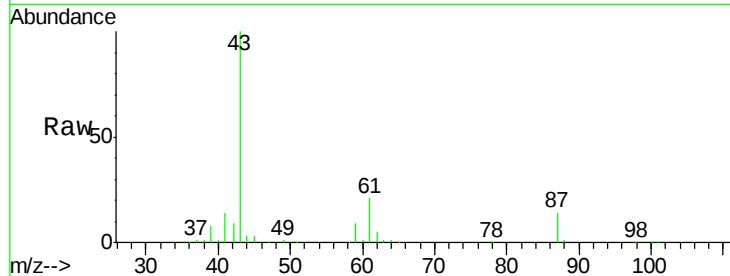
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	200859
Ion	Ratio	Lower	Upper
43	100		
61	27.4	20.2	30.2
87	14.5	9.5	14.3#

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#44

Trichloroethene

Concen: 51.034 ug/l

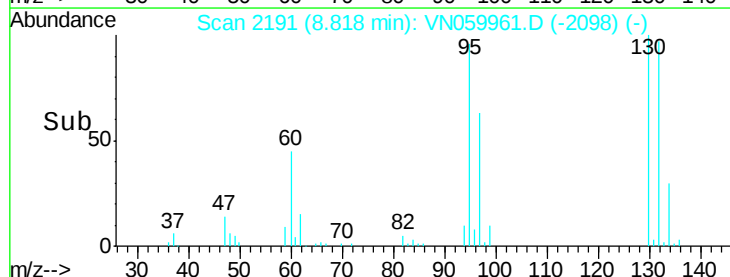
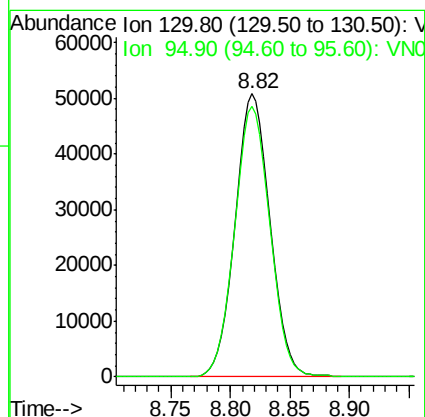
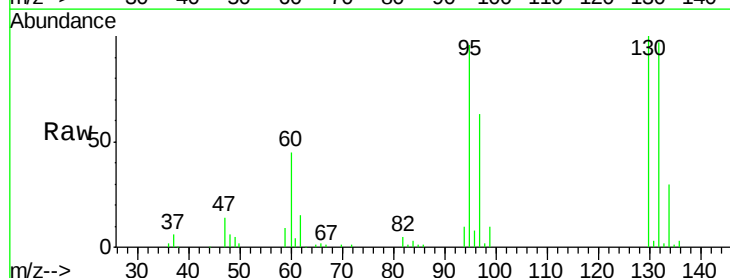
RT: 8.82 min Scan# 2191

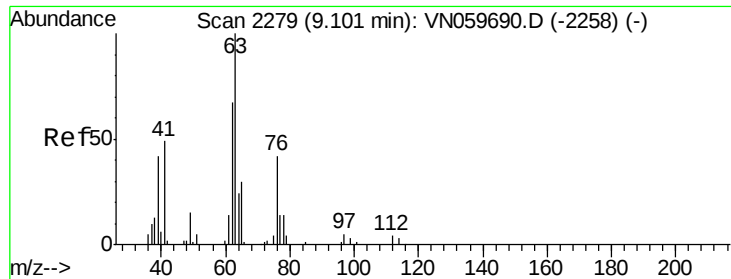
Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Tgt Ion:	130	Resp:	103545
Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	207.0





#45

1,2-Dichloropropane

Concen: 52.380 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 96332

Ion Ratio Lower Upper

63 100

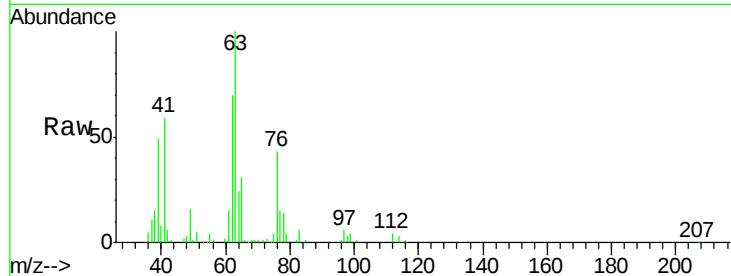
65 31.0 24.9 37.3

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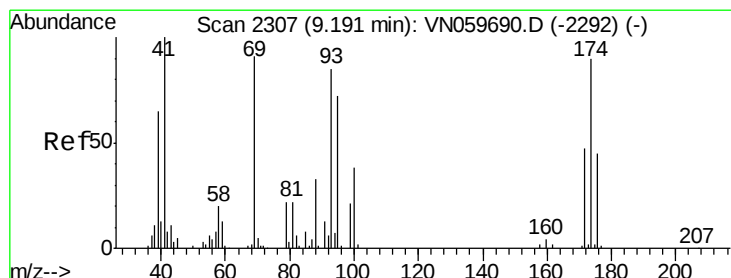
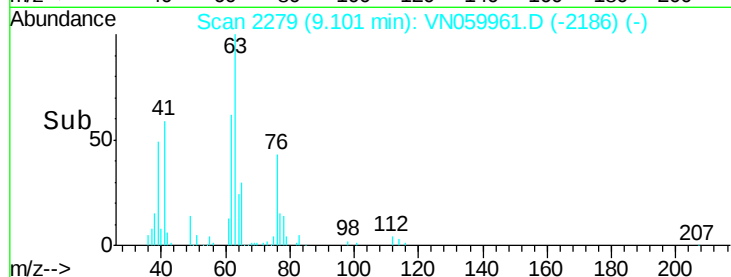
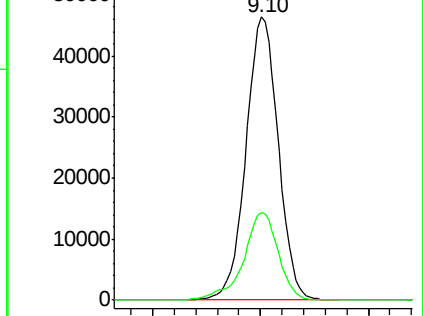
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 52.180 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

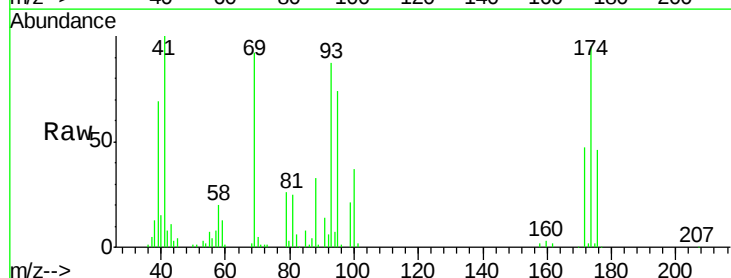
Tgt Ion: 93 Resp: 67694

Ion Ratio Lower Upper

93 100

95 83.7 67.0 100.6

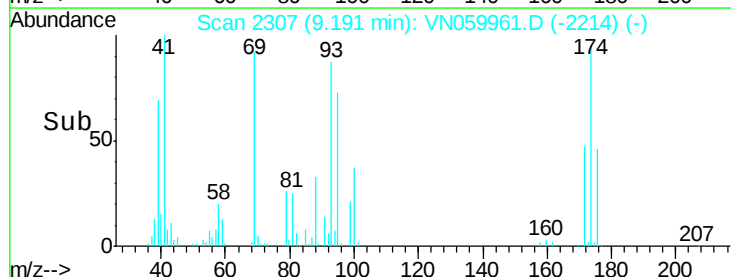
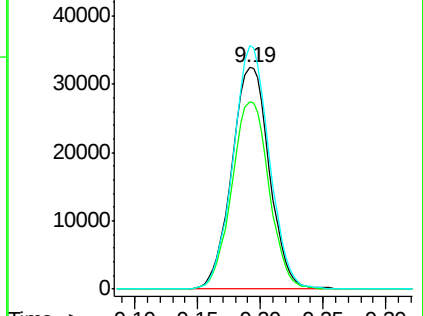
174 105.5 73.4 110.2

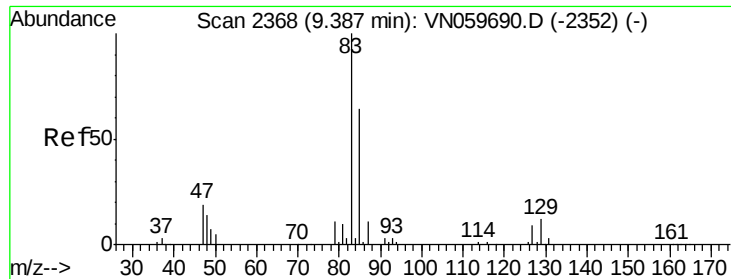


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





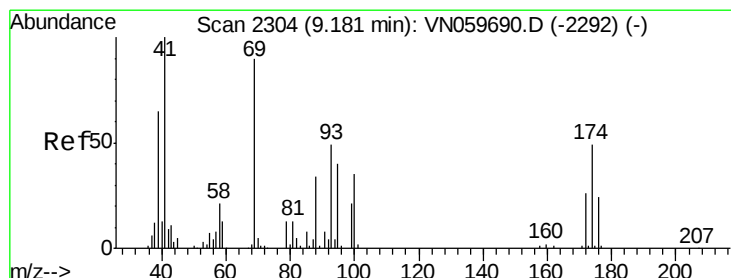
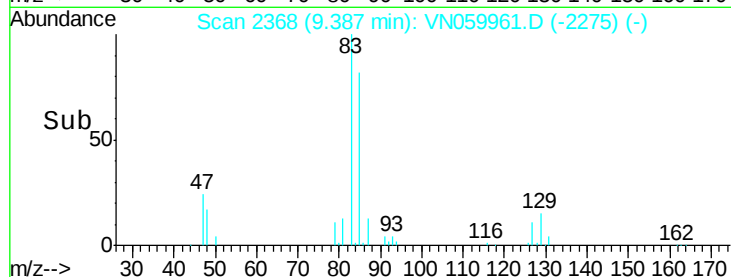
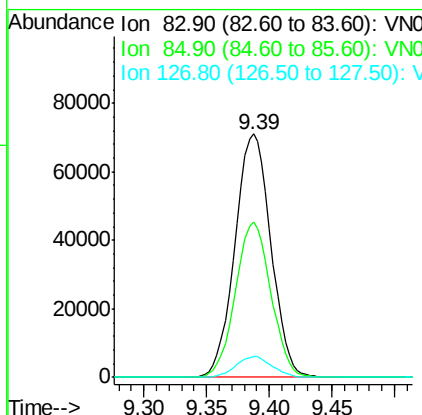
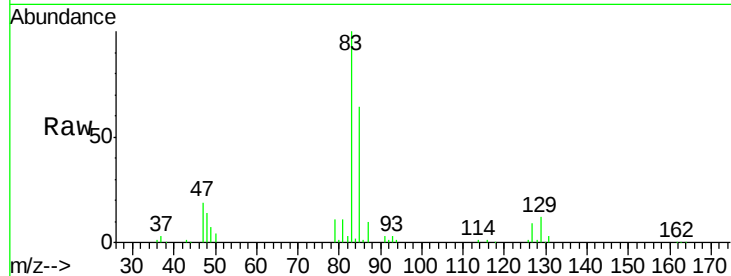
#47
Bromodichloromethane
Concen: 54.180 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.1	76.7
127	8.7	6.6	9.8

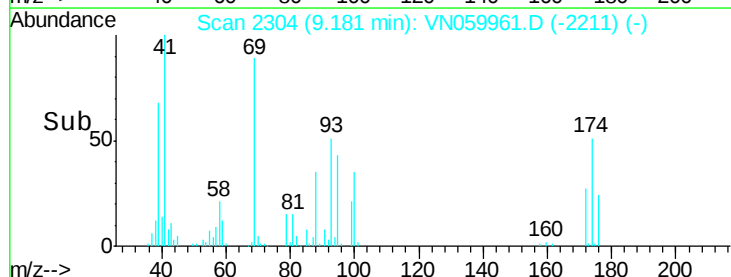
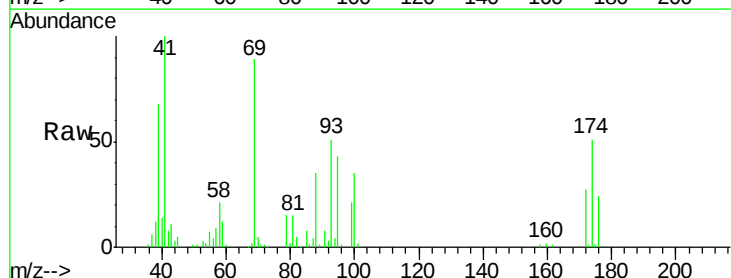
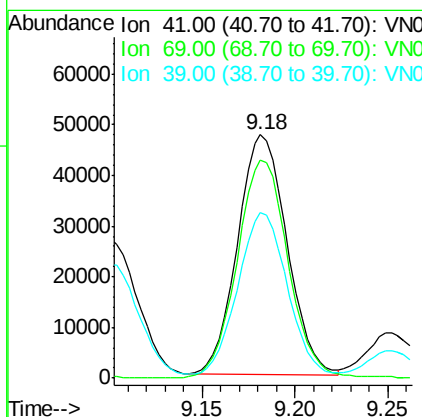
Manual Integrations
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#48
Methyl methacrylate
Concen: 49.035 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Tgt Ion	Ratio	Lower	Upper
41	100		
69	93.9	64.4	96.6
39	67.7	51.3	76.9





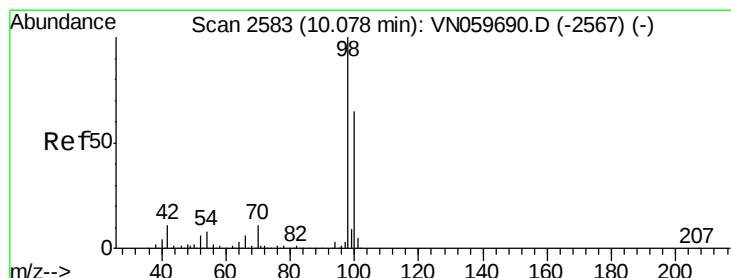
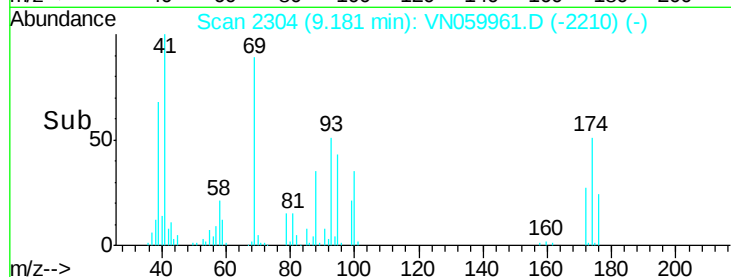
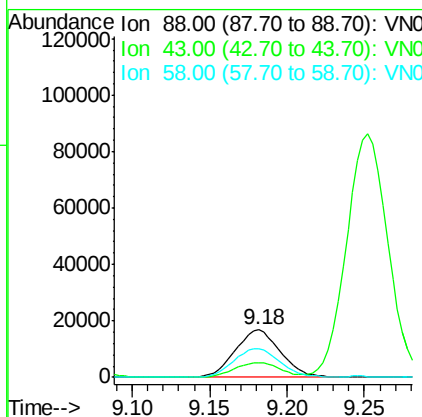
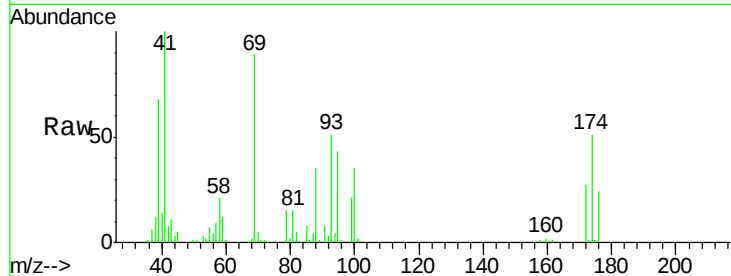
#49
1,4-Dioxane
Concen: 1035.875 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.2	29.7	44.5
58	62.5	56.6	85.0

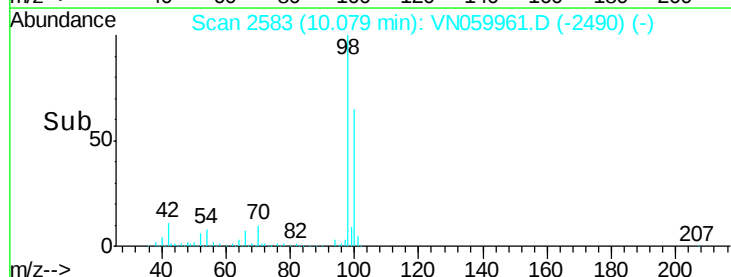
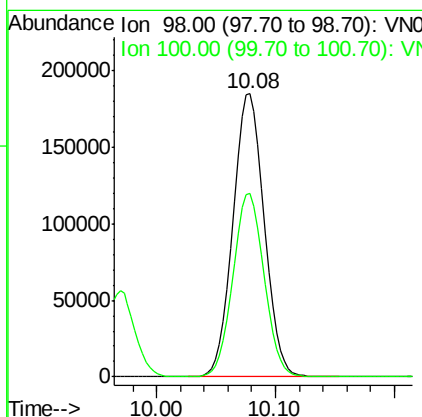
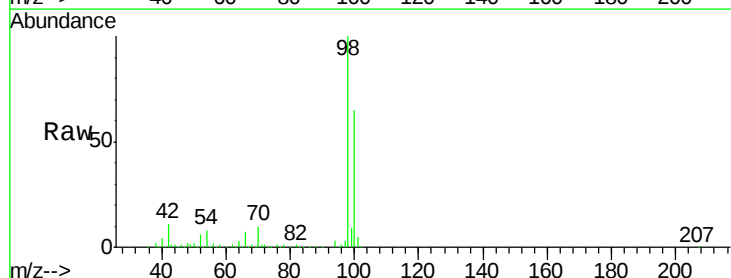
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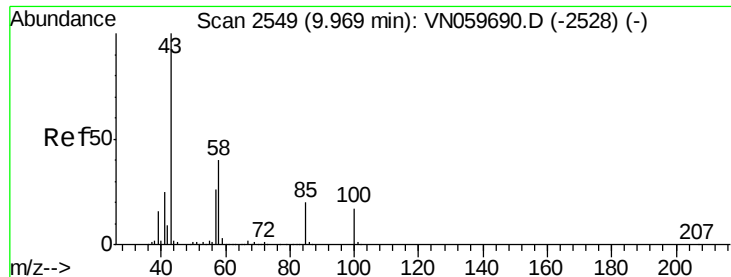
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#50
Toluene-d8
Concen: 50.985 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 259.225 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 602446

Ion Ratio Lower Upper

43 100

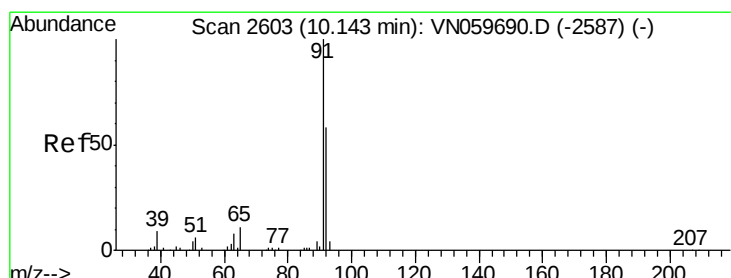
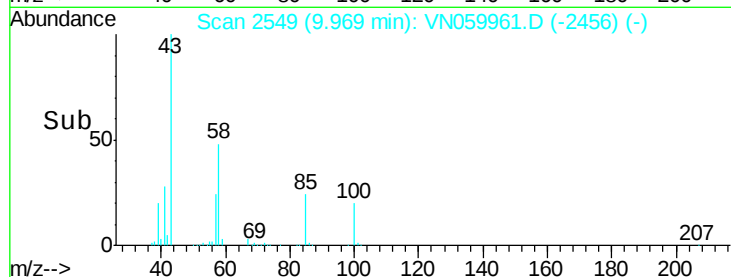
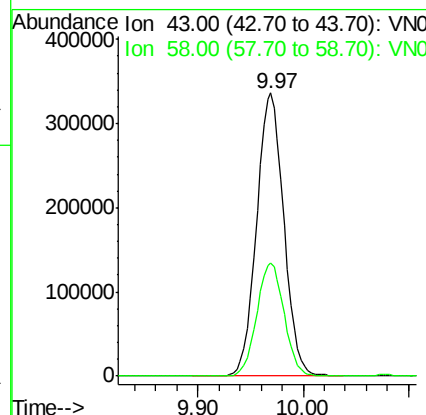
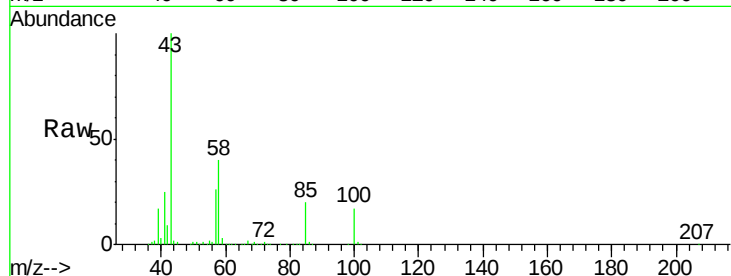
58 40.2 29.8 44.8

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#52

Toluene

Concen: 51.448 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN059961.D

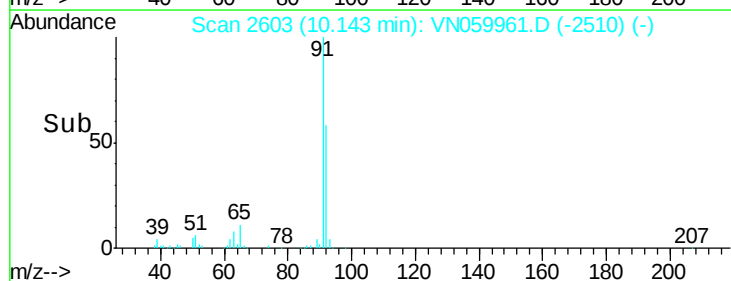
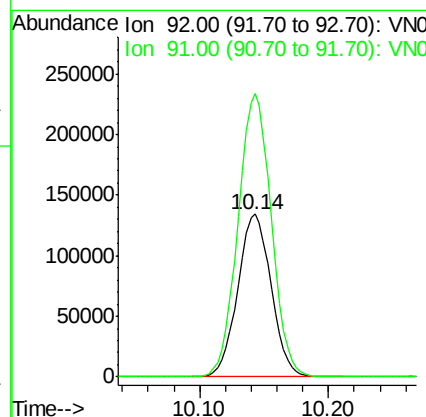
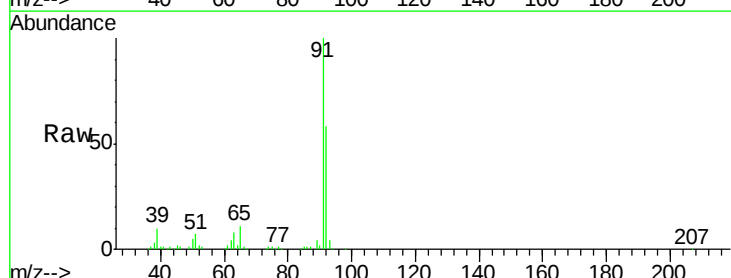
Acq: 31 Jan 2020 20:14

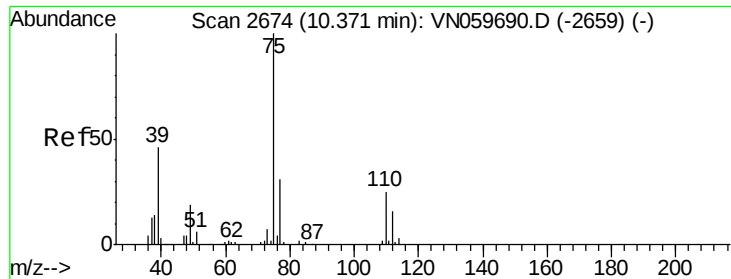
Tgt Ion: 92 Resp: 241526

Ion Ratio Lower Upper

92 100

91 173.6 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 53.500 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 156172

Ion Ratio Lower Upper

75 100

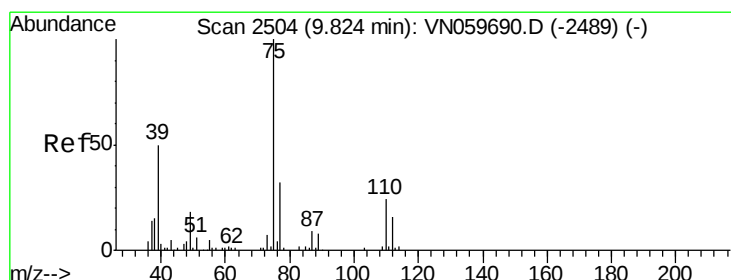
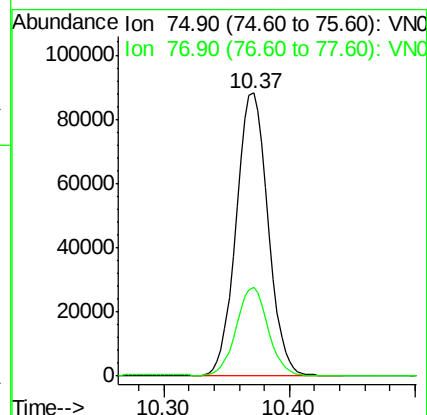
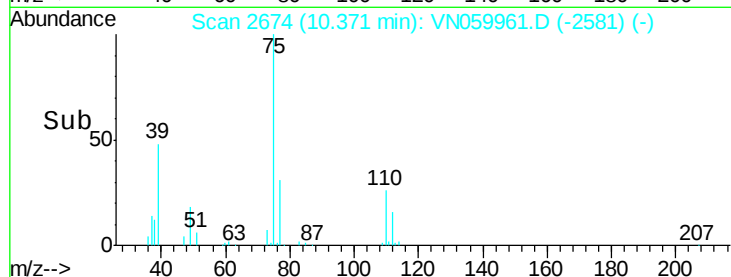
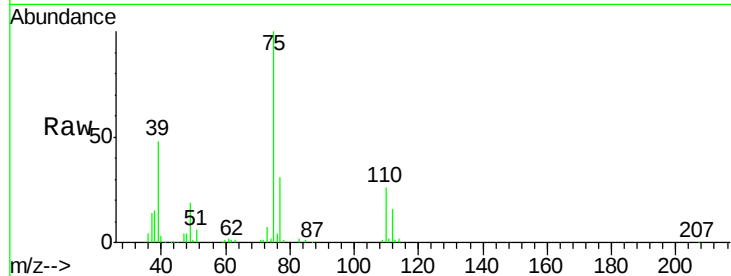
77 31.0 25.4 38.2

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#54

cis-1,3-Dichloropropene

Concen: 52.655 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

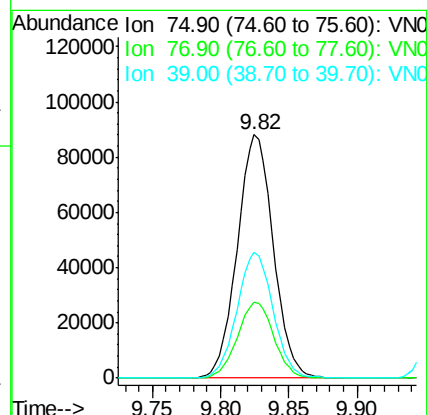
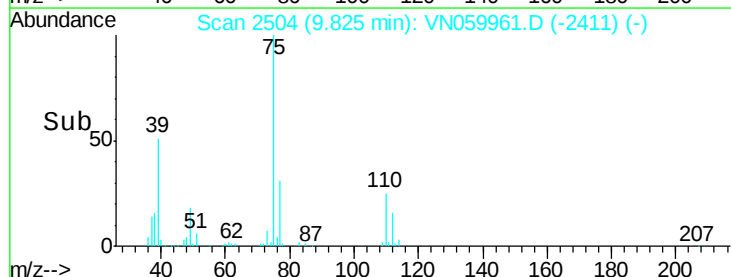
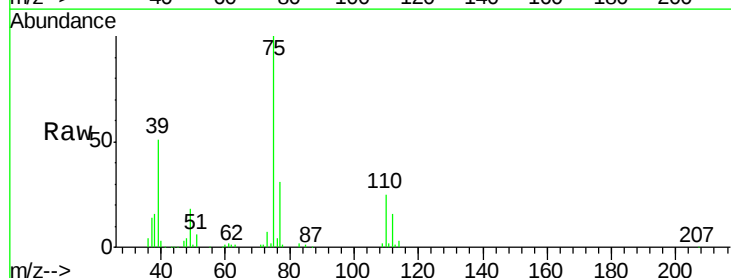
Tgt Ion: 75 Resp: 161728

Ion Ratio Lower Upper

75 100

77 31.2 25.1 37.7

39 51.5 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 53.383 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 99256

Ion Ratio Lower Upper

97 100

83 84.7 71.3 106.9

85 55.6 45.8 68.8

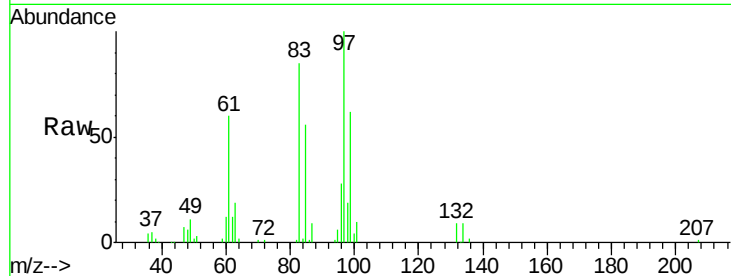
99 62.5 50.0 75.0

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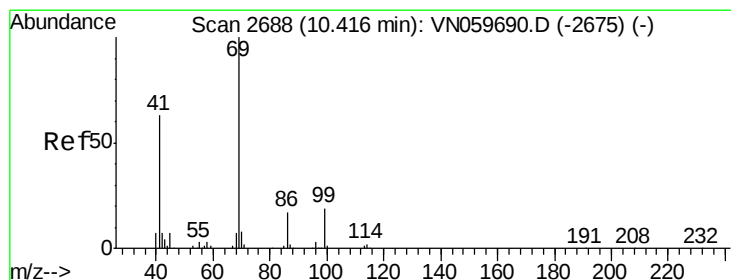
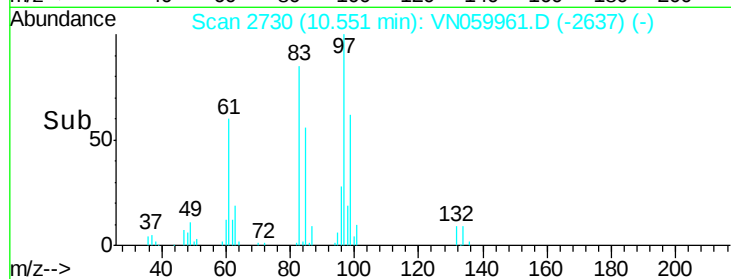
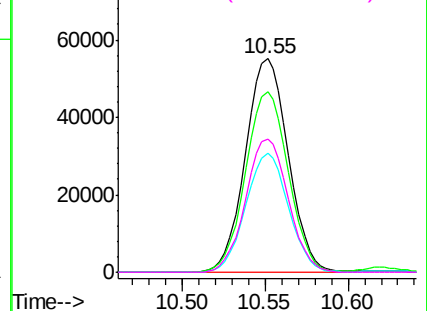


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 51.197 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

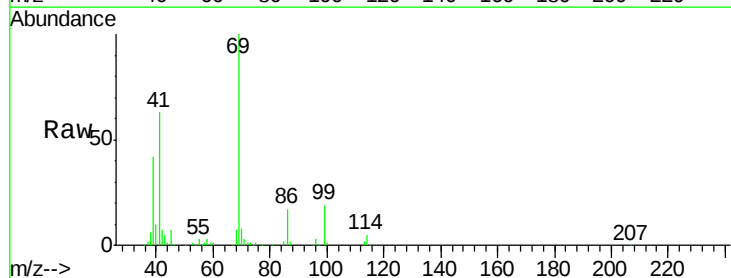
Tgt Ion: 69 Resp: 145454

Ion Ratio Lower Upper

69 100

41 63.2 57.1 85.7

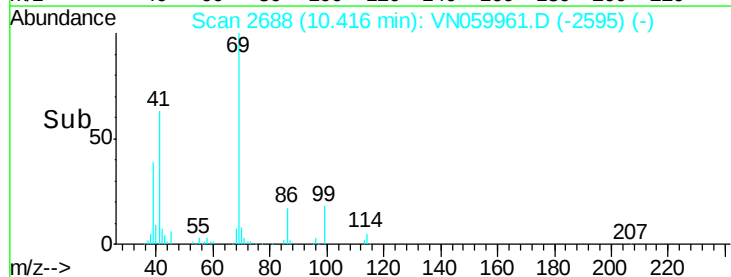
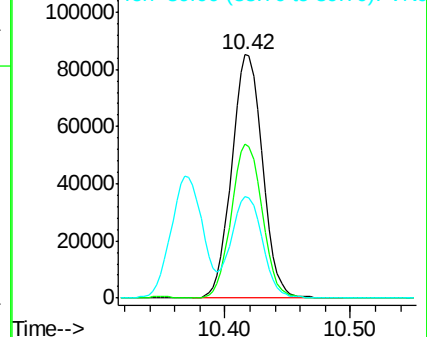
39 42.3 34.7 52.1



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 54.839 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 161878

Ion Ratio Lower Upper

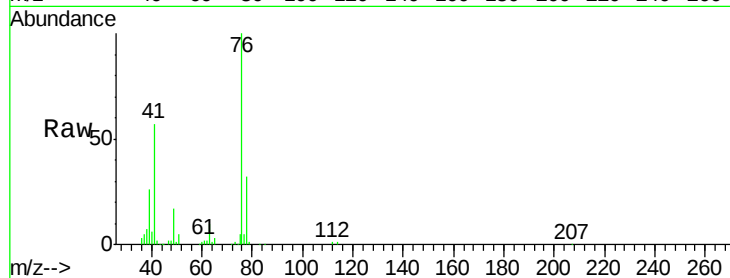
76 100

78 32.1 25.8 38.8

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

80000

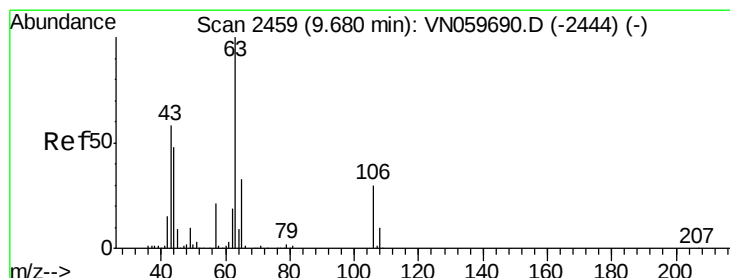
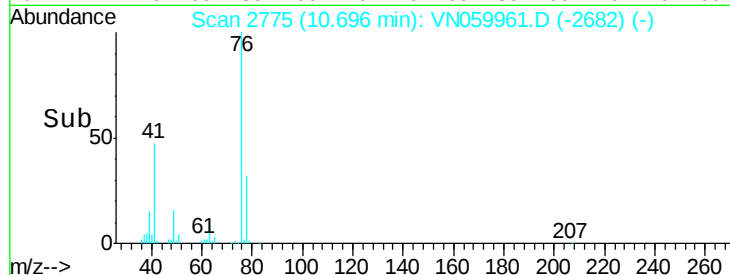
60000

40000

20000

0

Time--> 10.60 10.70



#58

2-Chloroethyl Vinyl ether

Concen: 287.678 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN059961.D

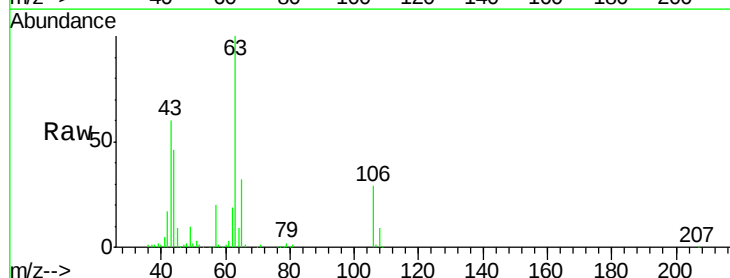
Acq: 31 Jan 2020 20:14

Tgt Ion: 63 Resp: 246174

Ion Ratio Lower Upper

63 100

106 29.0 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

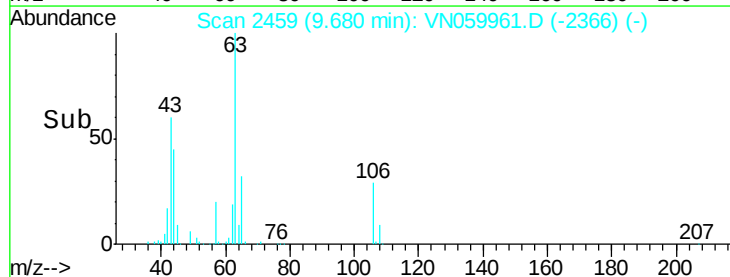
150000

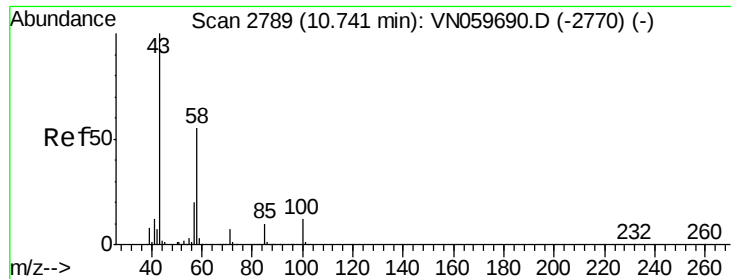
100000

50000

0

Time--> 9.60 9.70 9.80





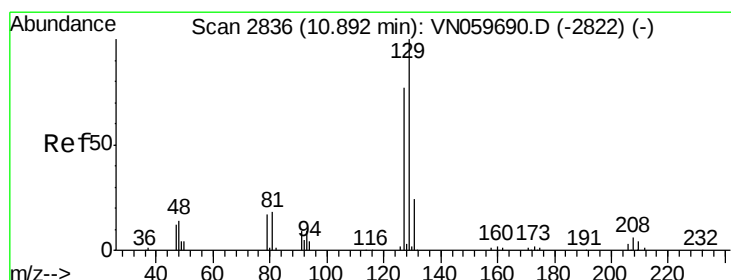
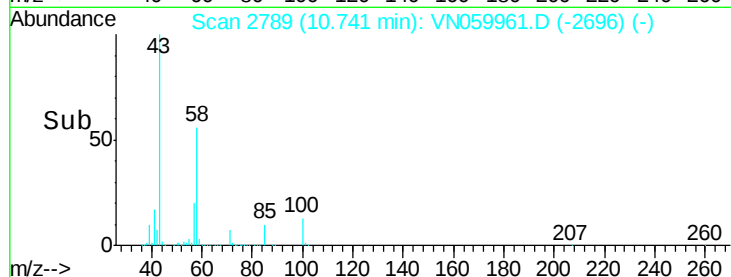
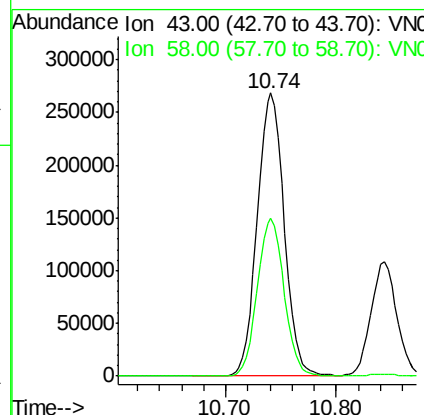
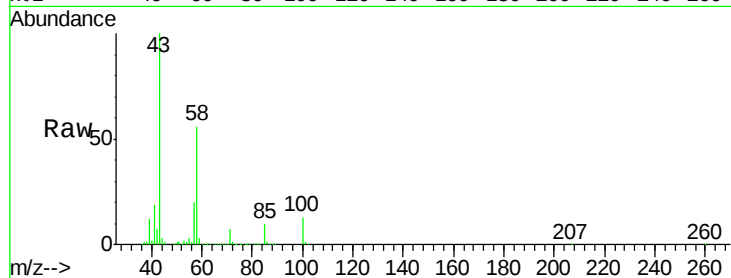
#59
2-Hexanone
Concen: 264.890 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 453522
Ion Ratio Lower Upper
43 100
58 55.5 25.8 77.3

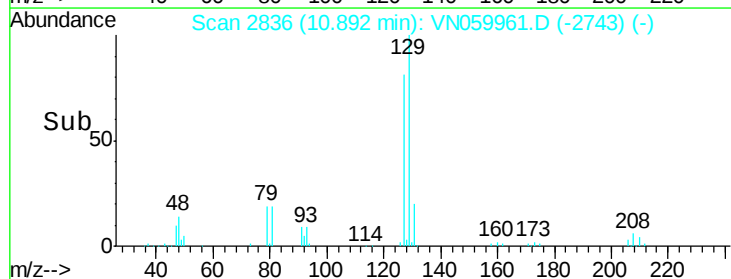
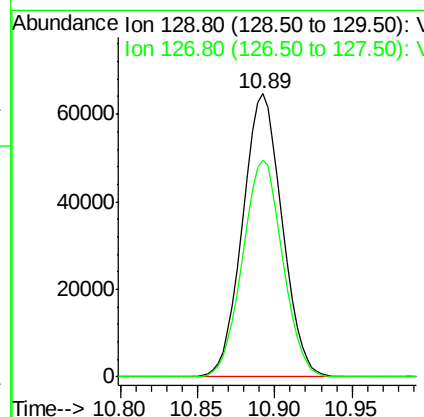
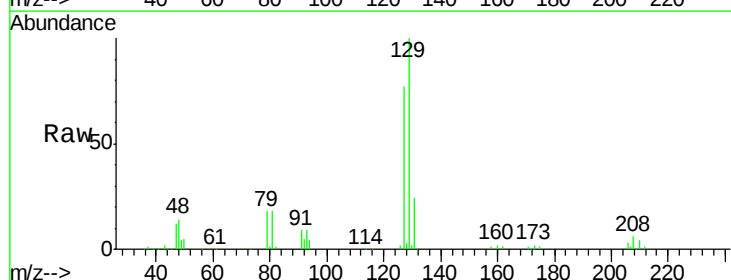
Manual Integrations
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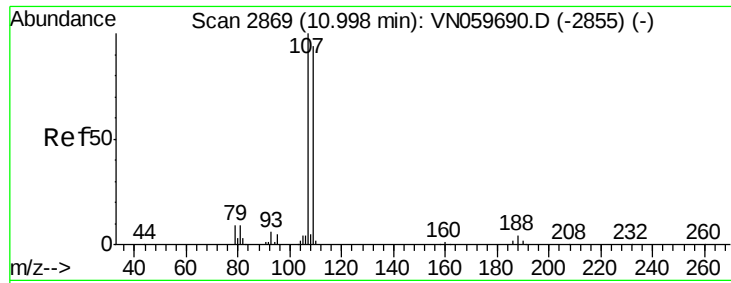
MMDadoda
2/4/2020 12:50:29 PM



#60
Dibromochloromethane
Concen: 54.352 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Tgt Ion: 129 Resp: 115080
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.5





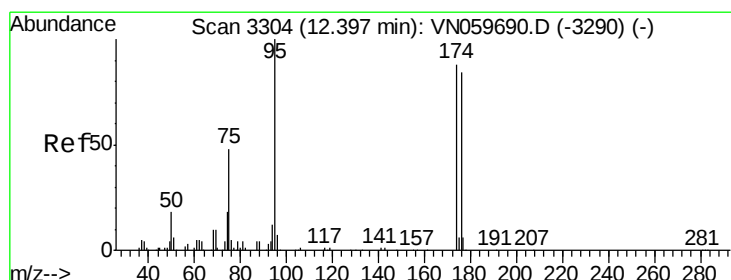
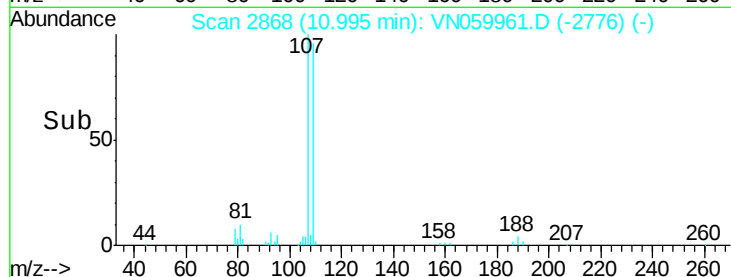
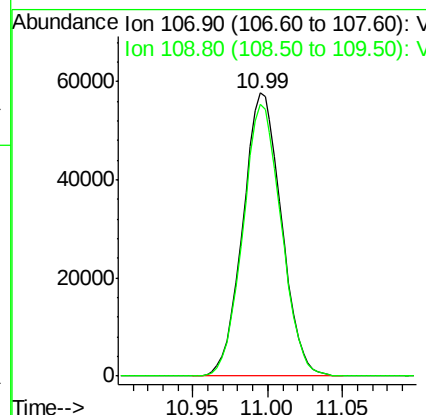
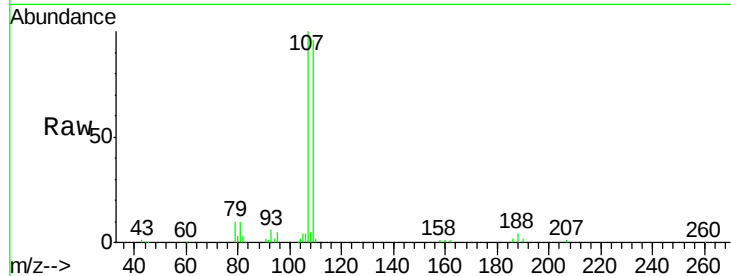
#61
 1,2-Dibromoethane
 Concen: 53.083 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	76.6	115.0

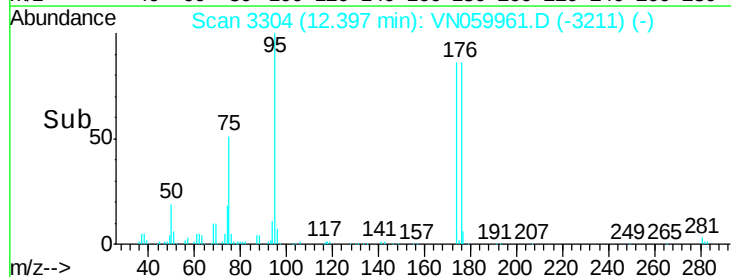
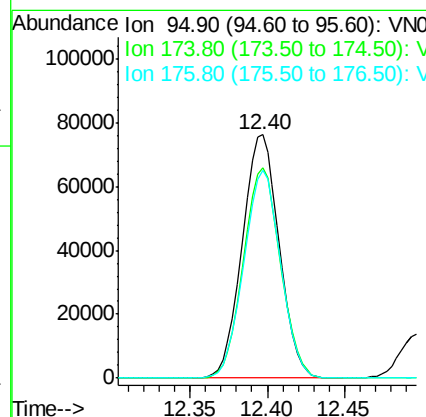
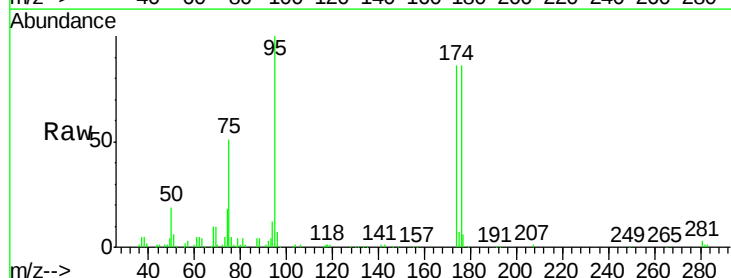
Manual Integrations
 APPROVED

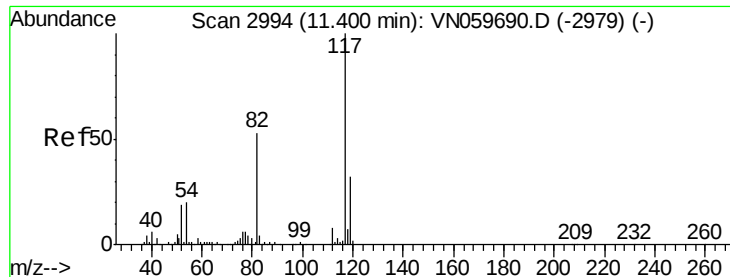
MMDadoda
 2/4/2020 12:50:29 PM



#62
 4-Bromofluorobenzene
 Concen: 53.119 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.7	0.0	151.4
176	85.1	0.0	146.0





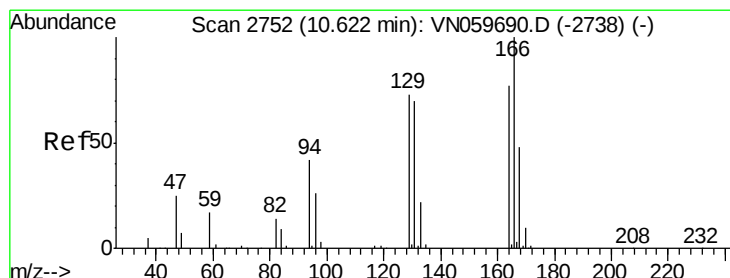
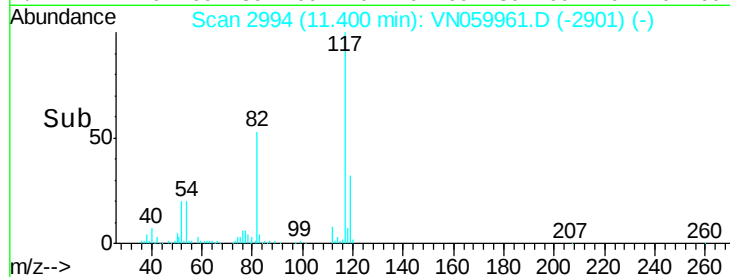
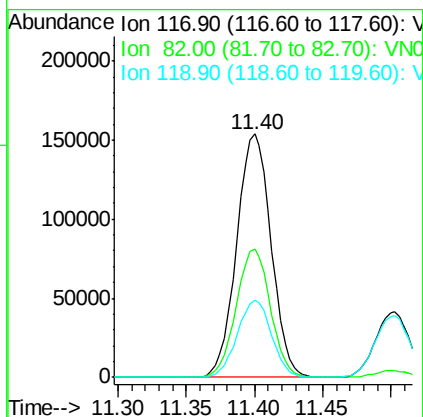
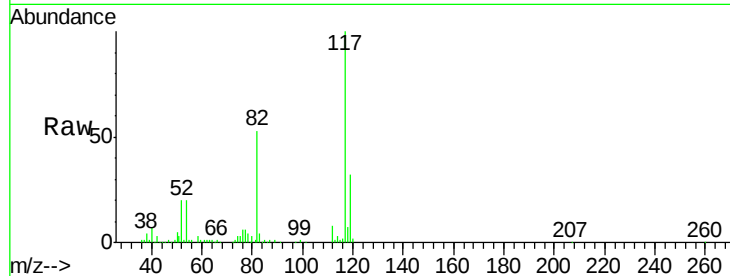
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	45.9	68.9
119	31.7	25.5	38.3

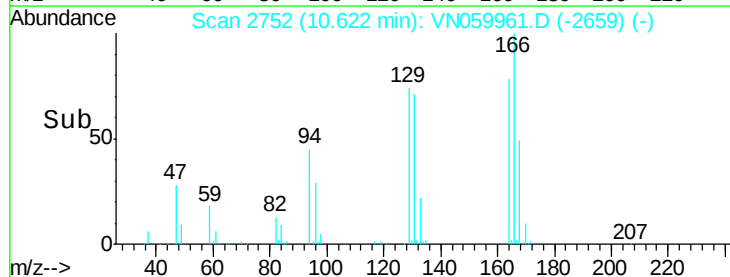
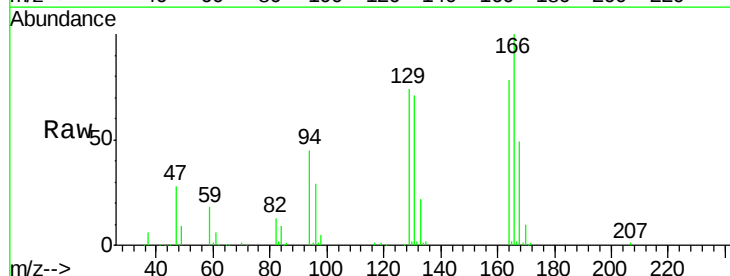
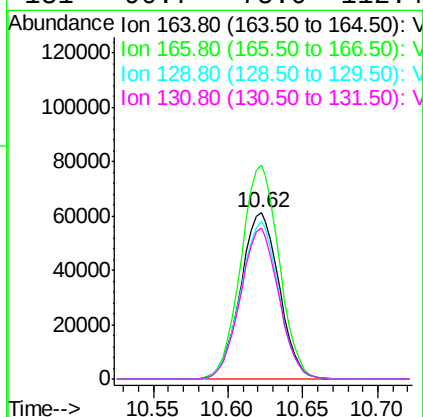
Manual Integrations
APPROVED

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#64
Tetrachloroethene
Concen: 49.894 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	101.4	152.0
129	94.8	80.2	120.4
131	90.7	75.0	112.4





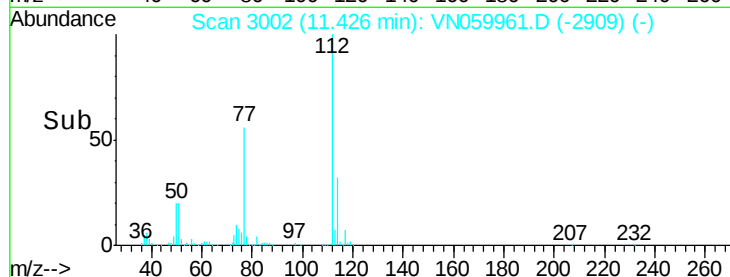
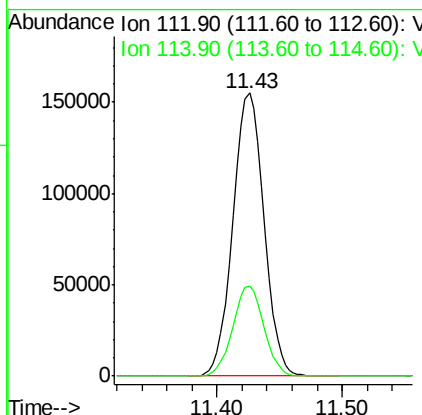
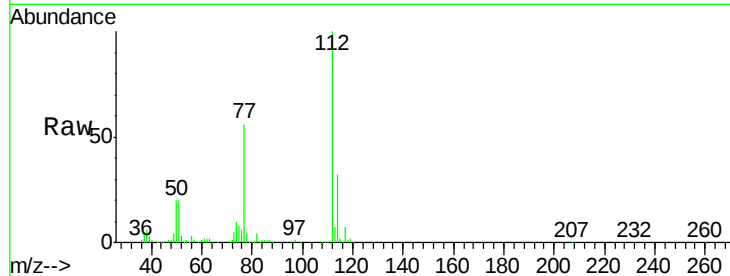
#65
Chlorobenzene
Concen: 50.473 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 267248
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.8

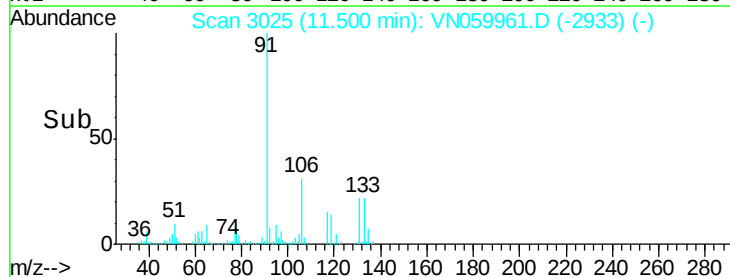
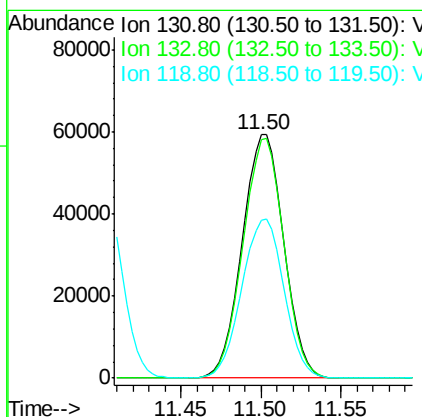
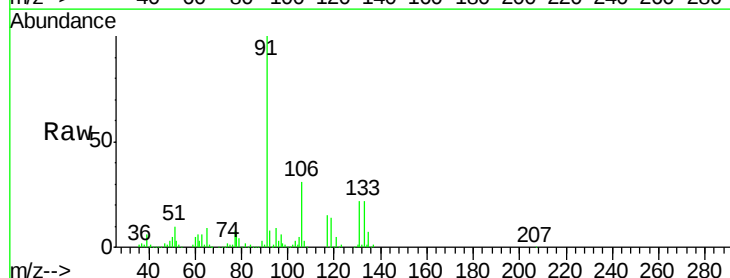
Manual Integrations
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.445 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Tgt Ion:131 Resp: 105253
Ion Ratio Lower Upper
131 100
133 96.7 47.4 142.2
119 66.3 33.1 99.3





#67

Ethyl Benzene

Concen: 49.594 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 476689

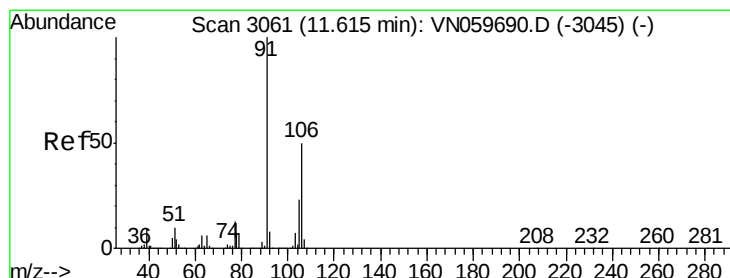
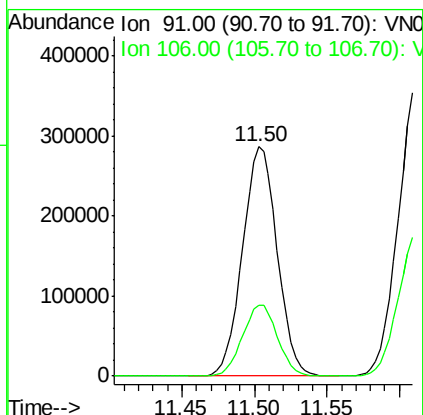
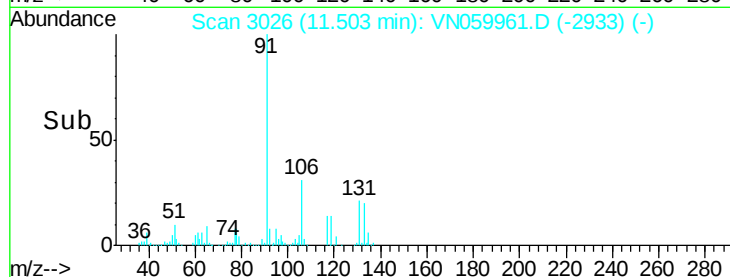
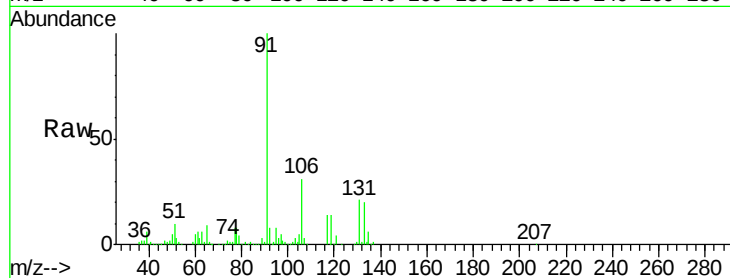
Ion Ratio Lower Upper

91 100

106 31.1 24.1 36.1

Manual Integrations
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#68

m/p-Xylenes

Concen: 98.842 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059961.D

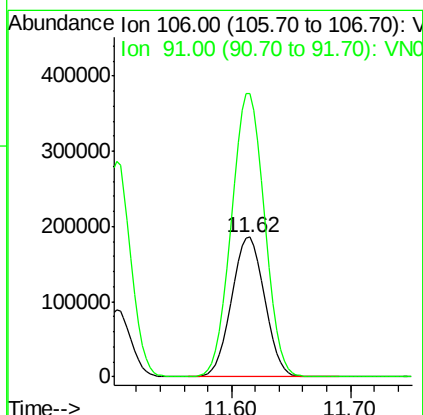
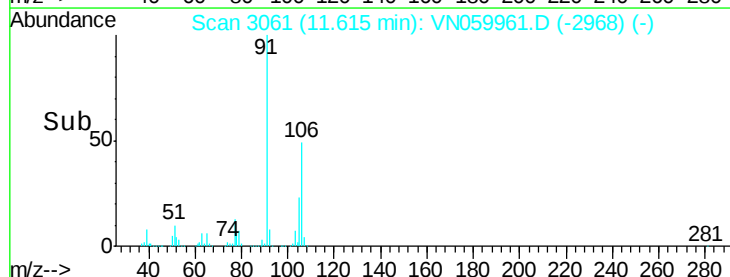
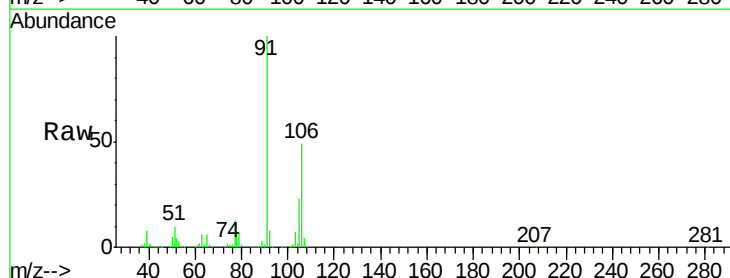
Acq: 31 Jan 2020 20:14

Tgt Ion: 106 Resp: 358874

Ion Ratio Lower Upper

106 100

91 202.1 167.9 251.9





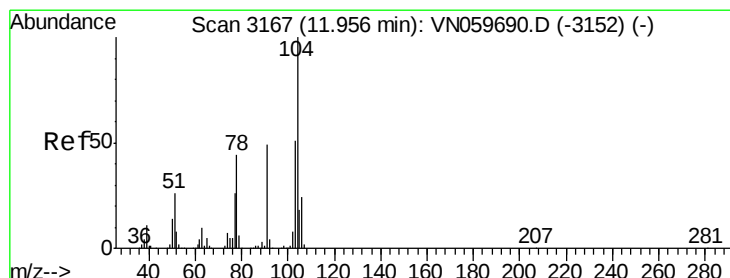
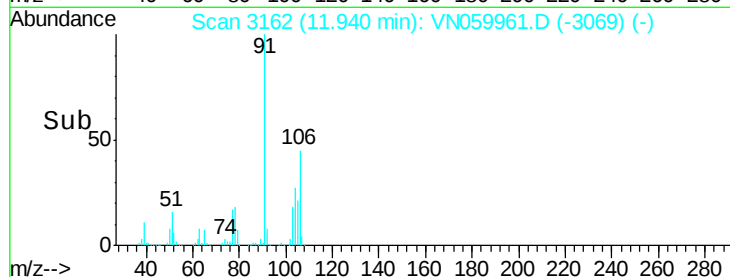
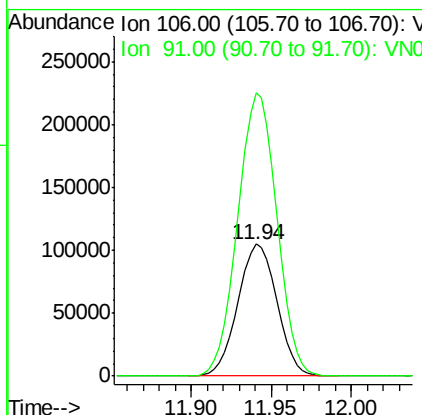
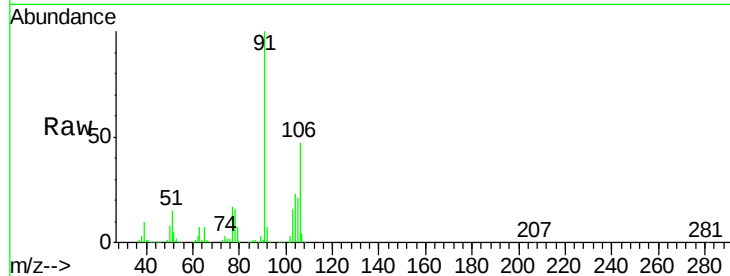
#69
o-Xylene
Concen: 49.277 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	214.6	110.3	330.9	

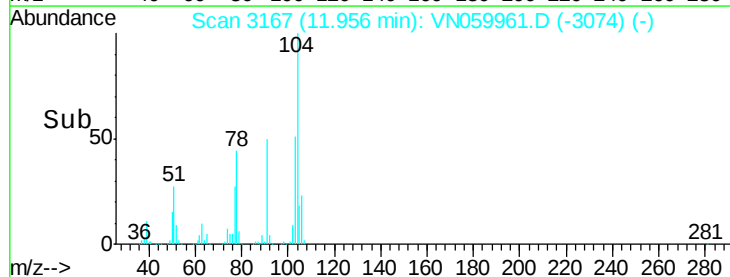
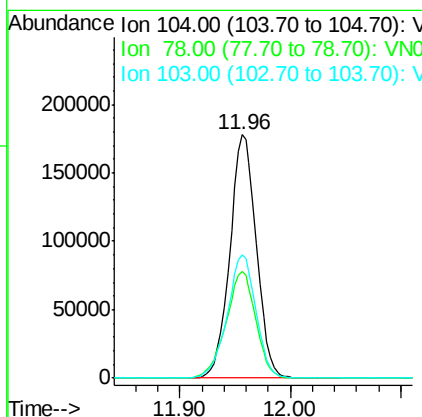
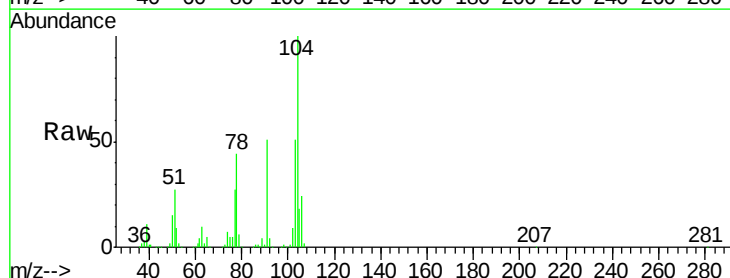
Manual Integrations
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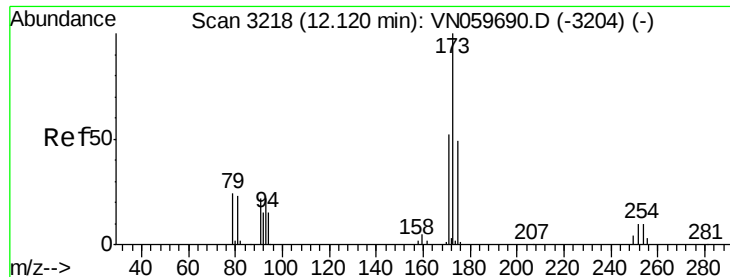
MMDadoda
2/4/2020 12:50:29 PM



#70
Styrene
Concen: 49.744 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	49.1	42.4	63.6	
103	54.7	43.9	65.9	





#71

Bromoform

Concen: 52.863 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 86632

Ion Ratio Lower Upper

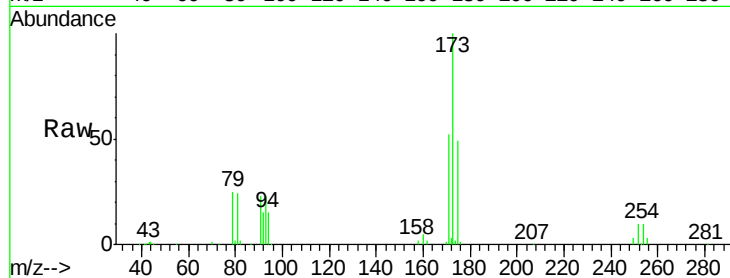
173 100

175 48.8 23.8 71.4

254 0.0 0.0 0.0

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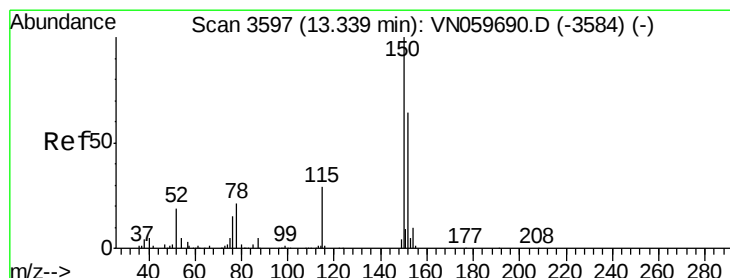
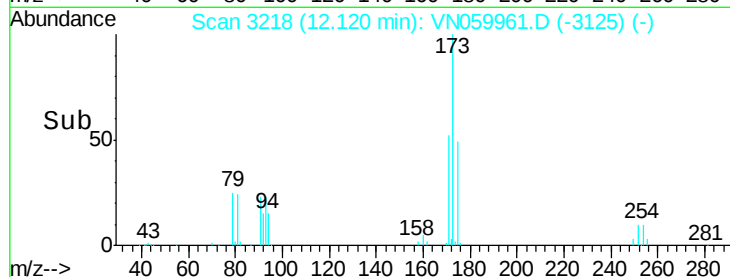
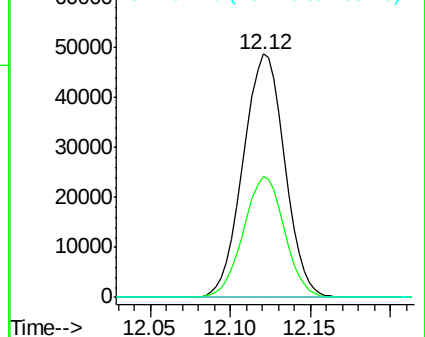
MMDadoda
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

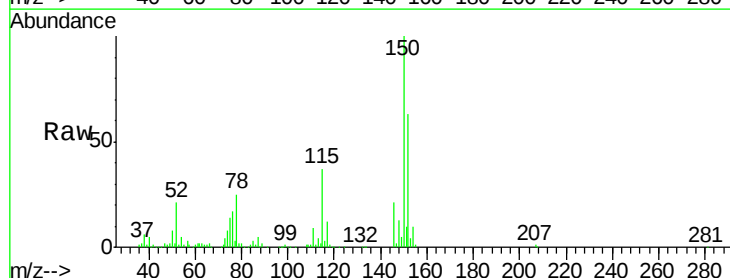
Tgt Ion:152 Resp: 136456

Ion Ratio Lower Upper

152 100

115 59.2 30.3 90.9

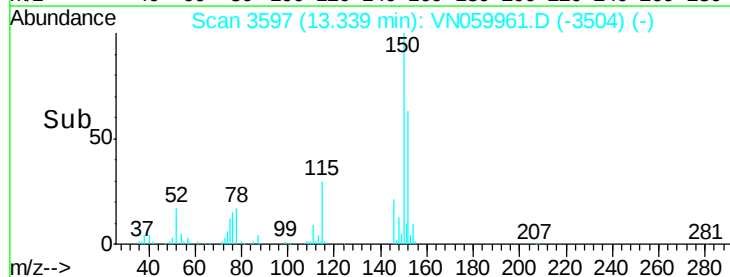
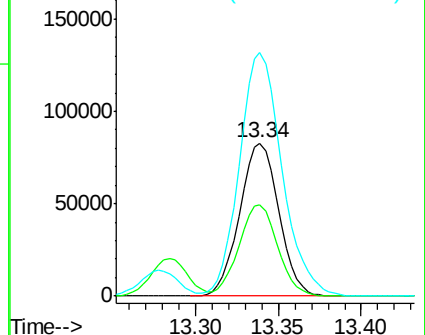
150 173.0 0.0 345.2



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: 47.778 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 478145

Ion Ratio Lower Upper

105 100

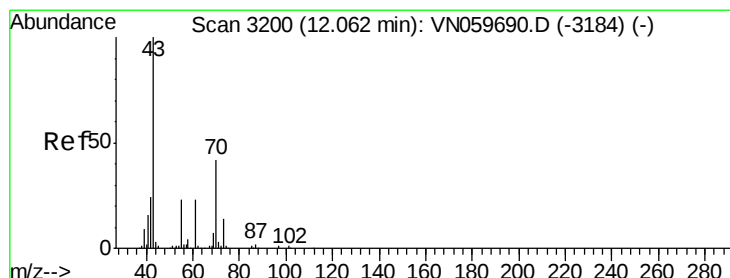
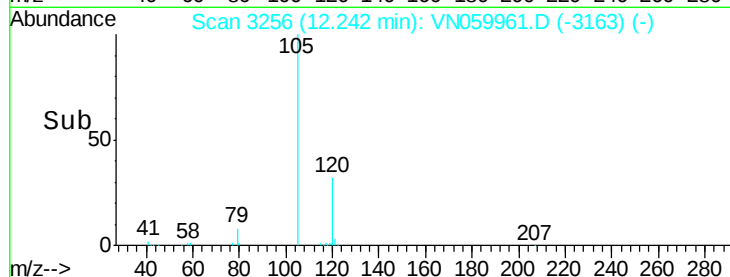
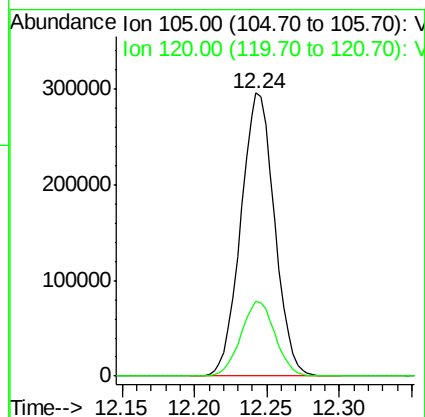
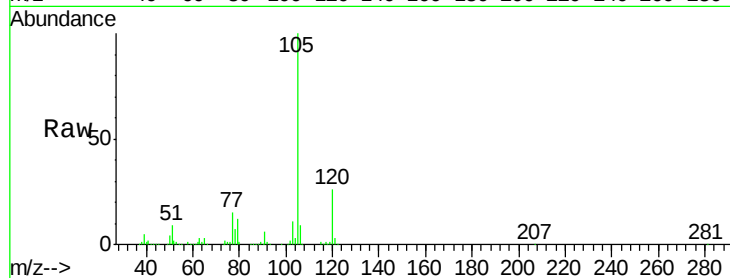
120 26.7 13.2 39.5

Manual Integrations

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#74

N-ethyl acetate

Concen: 46.915 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Tgt Ion: 43 Resp: 182183

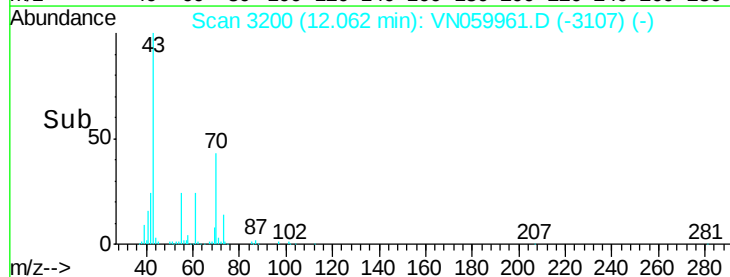
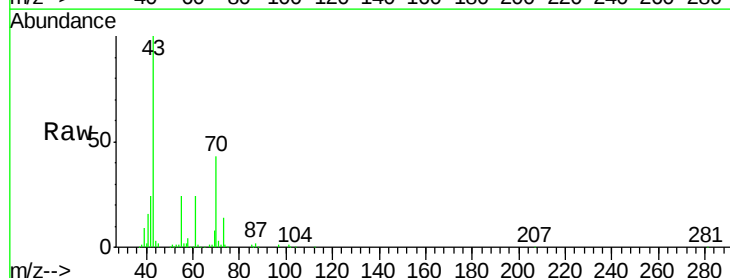
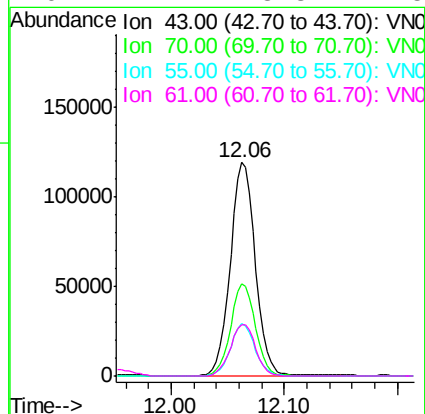
Ion Ratio Lower Upper

43 100

70 43.0 31.3 46.9

55 24.1 19.8 29.6

61 24.4 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.611 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 143933

Ion Ratio Lower Upper

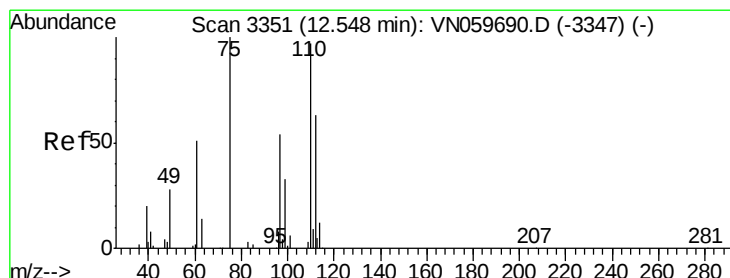
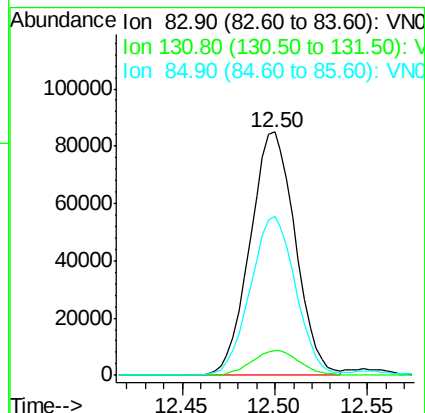
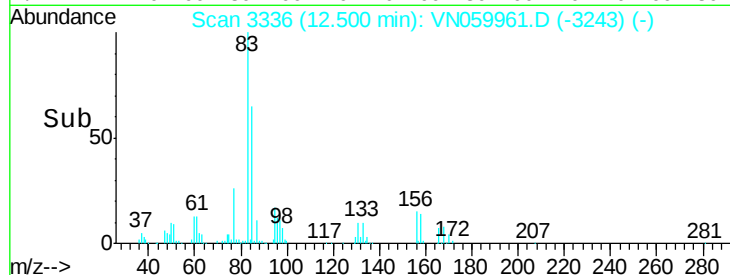
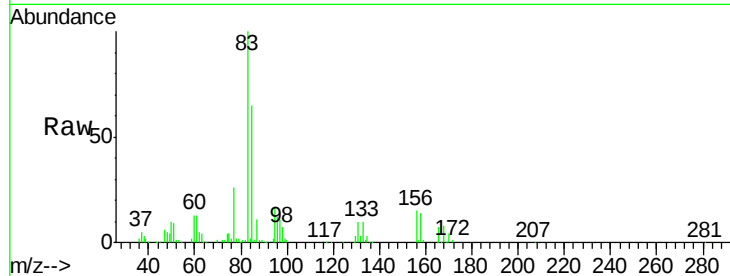
83 100

131 10.7 5.0 14.9

85 65.1 31.9 95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.000 ug/l m

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN059961.D

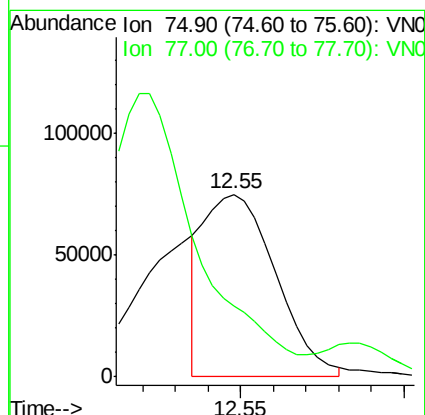
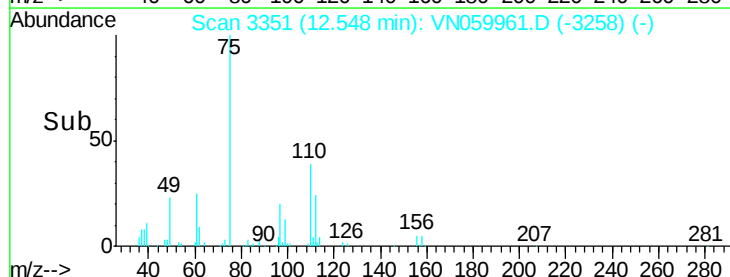
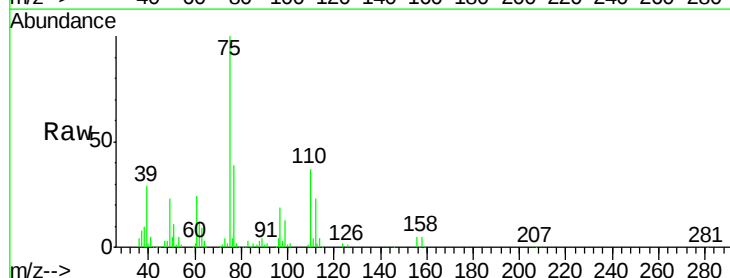
Acq: 31 Jan 2020 20:14

Tgt Ion: 75 Resp: 114822

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 48.171 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Instrument :

MSVOA_N

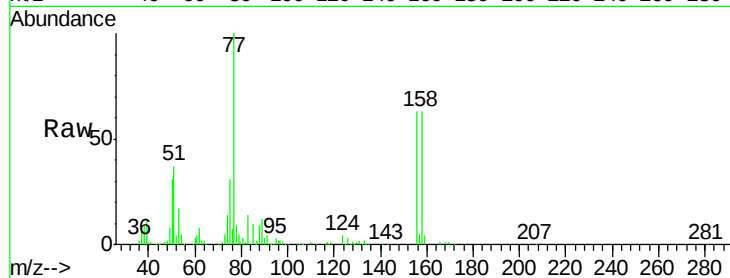
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	122081
Ion Ratio	Lower	Upper	
156	100		
77	194.7	115.8	347.4
158	97.3	49.2	147.6

Manual Integrations
APPROVED

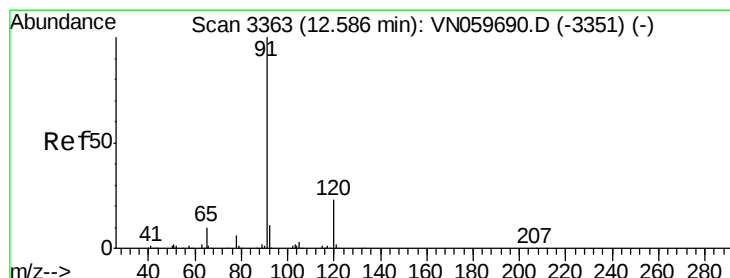
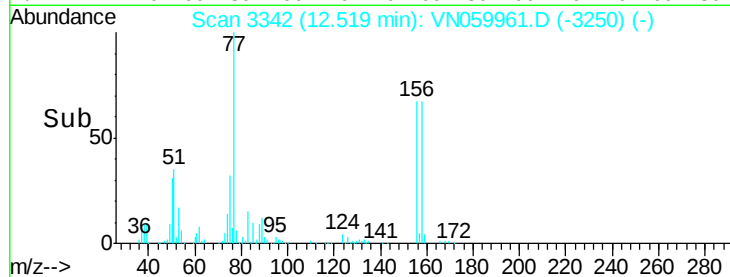
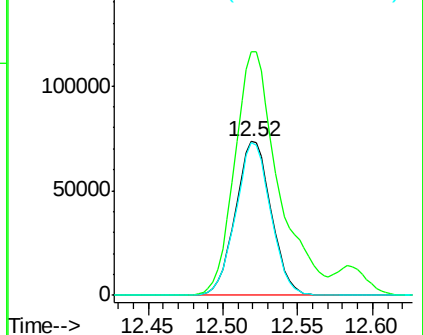
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.222 ug/l

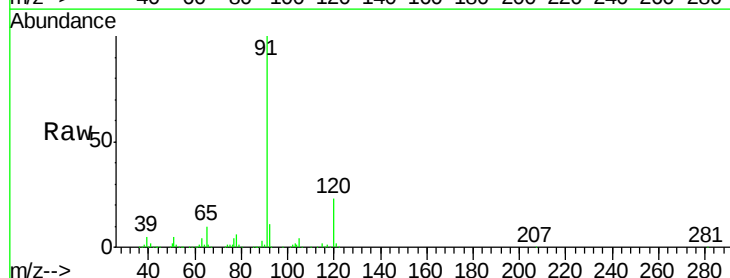
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059961.D

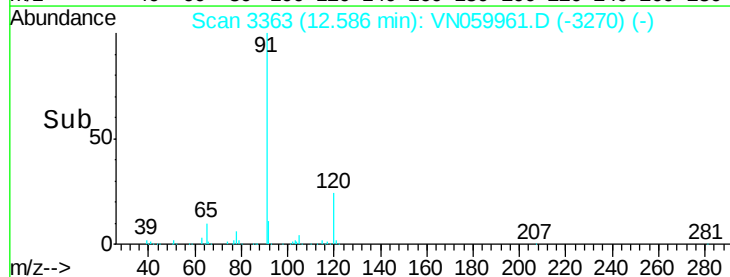
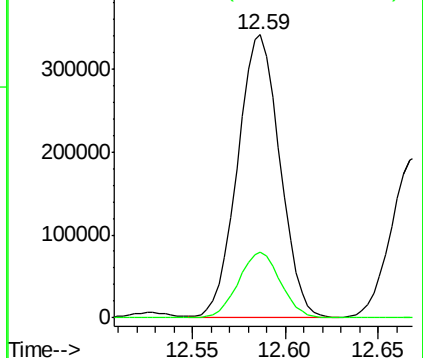
Acq: 31 Jan 2020 20:14

Tgt Ion:	91	Resp:	541656
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.1	33.3



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.097 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 321397

Ion Ratio Lower Upper

91 100

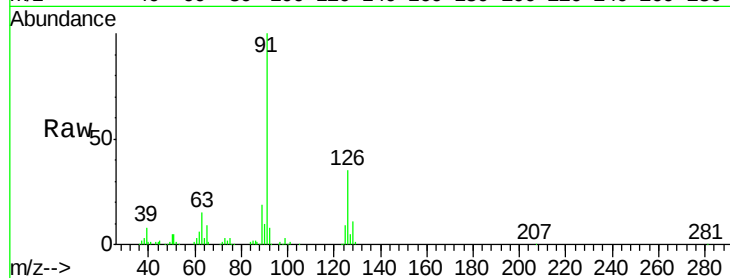
126 35.1 16.3 48.9

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Abundance Ion 91.00 (90.70 to 91.70): VN059961.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN059961.D (-3376) (-)

300000

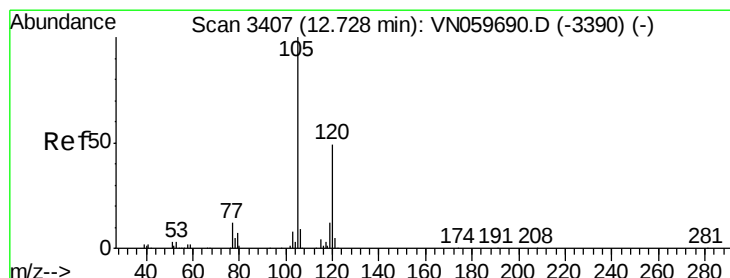
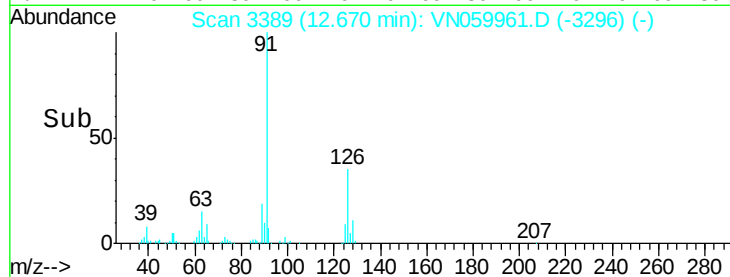
200000

100000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 47.470 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059961.D

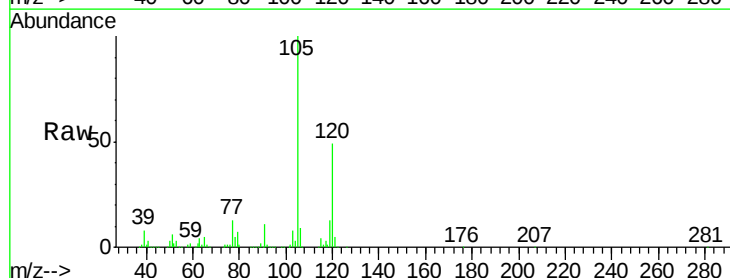
Acq: 31 Jan 2020 20:14

Tgt Ion: 105 Resp: 399526

Ion Ratio Lower Upper

105 100

120 49.1 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059961.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN059961.D (-3390) (-)

300000

250000

200000

150000

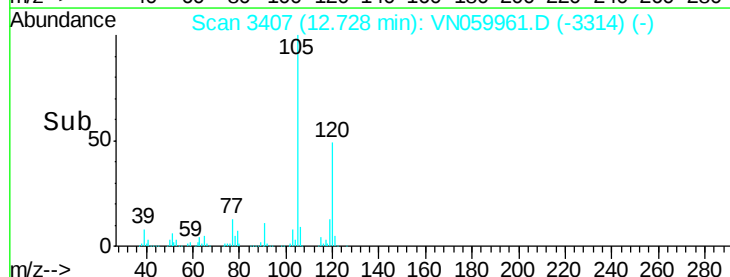
100000

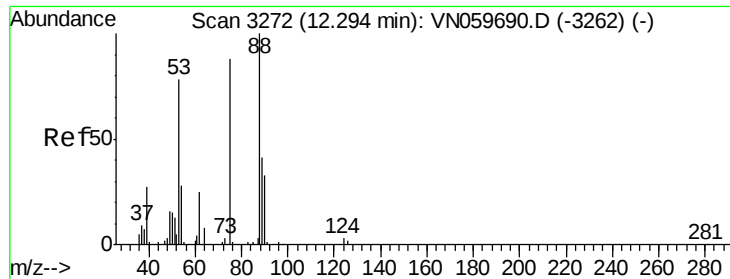
50000

0

12.70 12.73 12.76

Time-->





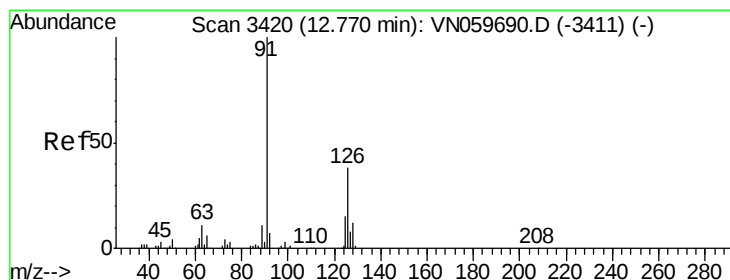
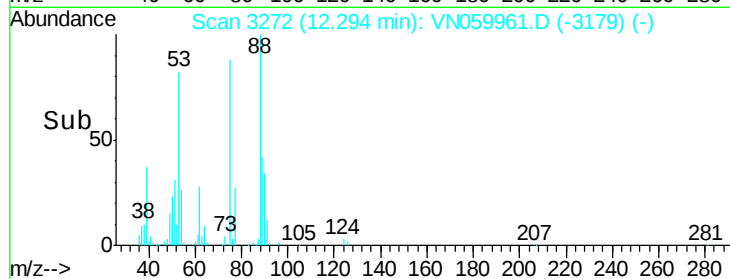
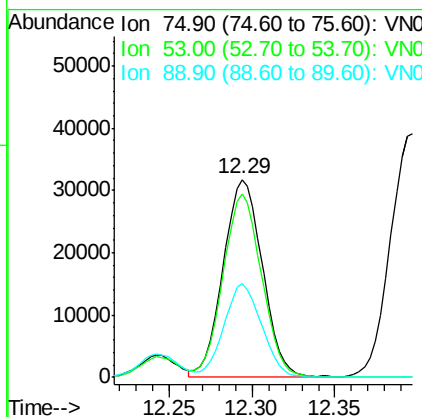
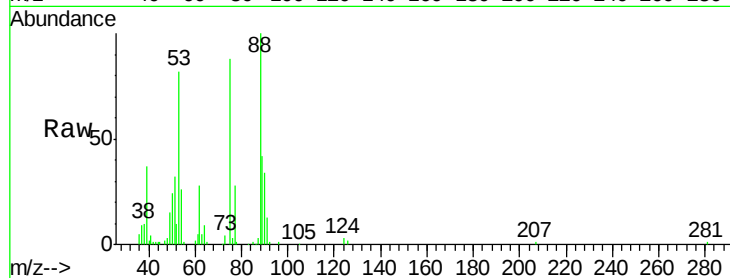
#81
trans-1,4-Dichloro-2-butene
Concen: 49.090 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.2	78.1	117.1
89	45.1	35.4	53.2

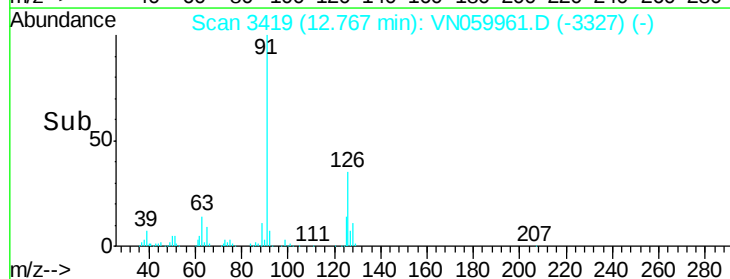
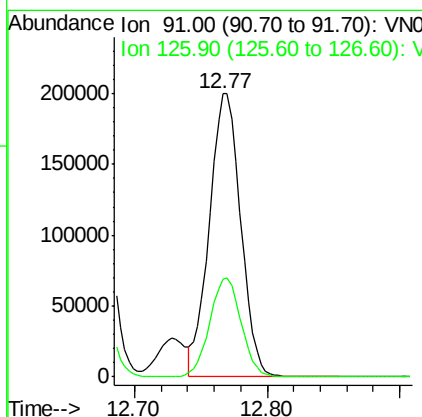
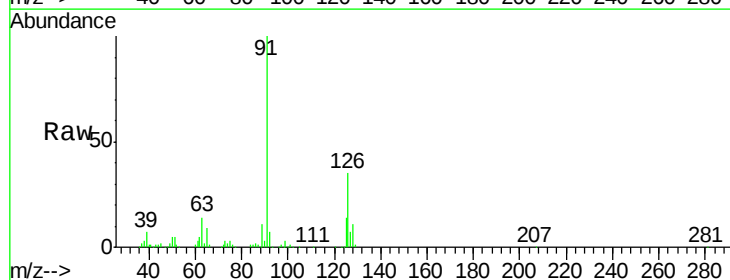
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#82
4-Chlorotoluene
Concen: 48.815 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	16.3	48.8





#83

tert-Butylbenzene

Concen: 47.349 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Instrument :

MSVOA_N

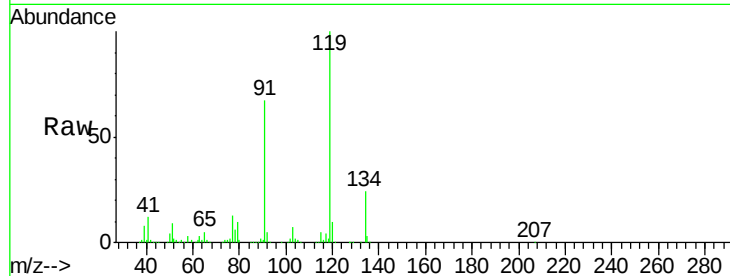
ClientSampleId :

VSTDCCC050EC

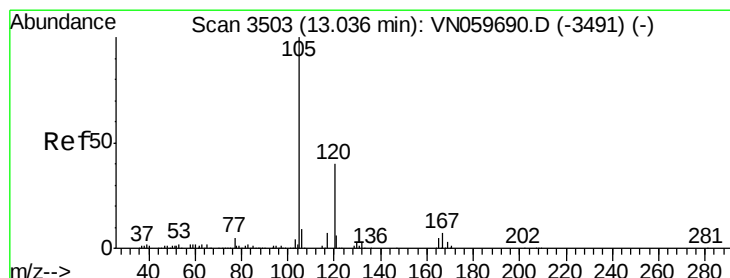
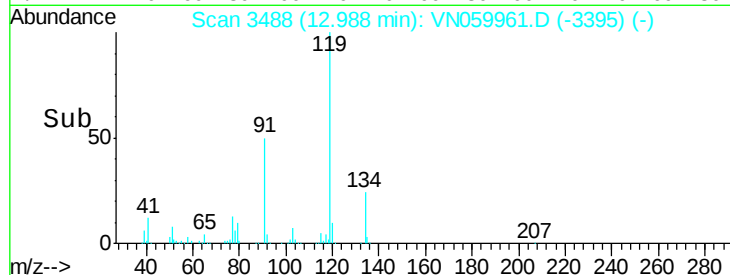
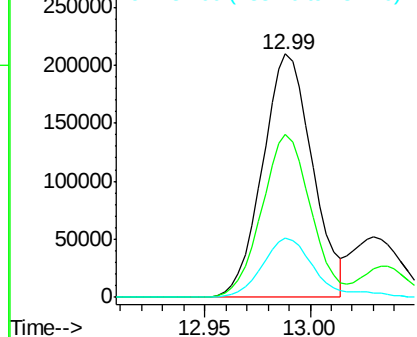
Tot Ion:	119	Resp:	344658
Ion Ratio	Lower	Upper	
119	100		
91	65.7	34.8	104.4
134	25.7	12.3	36.9

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 48.453 ug/l

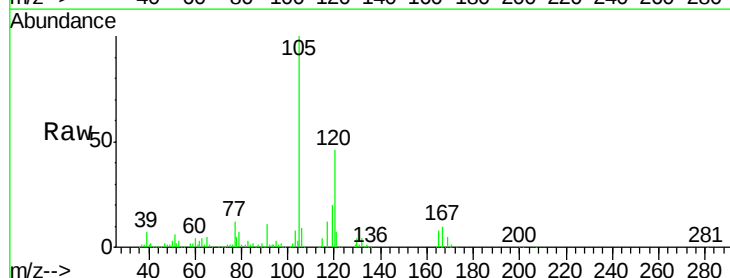
RT: 13.03 min Scan# 3502

Delta R.T. -0.00 min

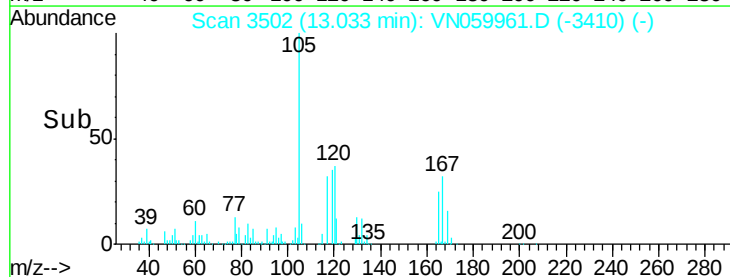
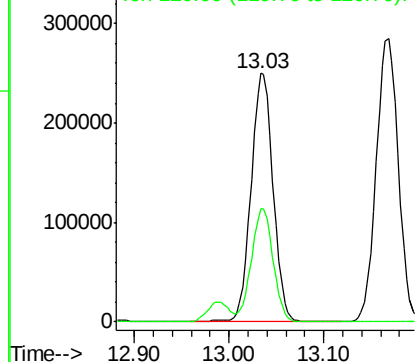
Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Tgt Ion:	105	Resp:	403444
Ion Ratio	Lower	Upper	
105	100		
120	44.8	22.3	66.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





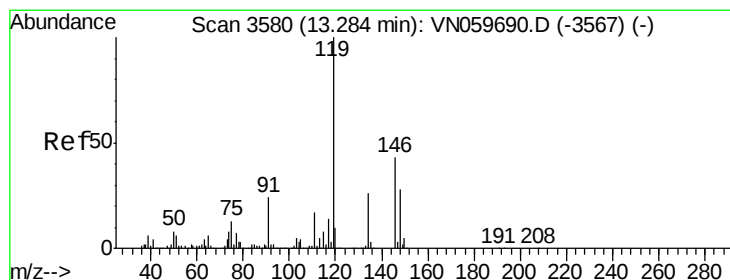
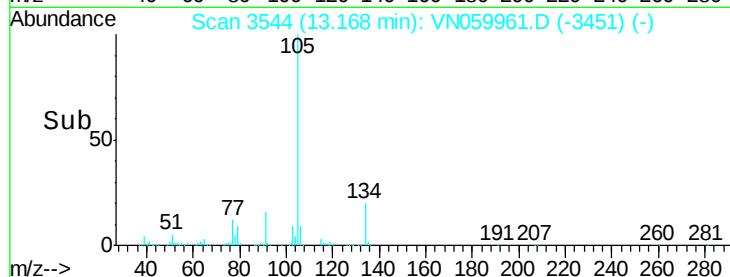
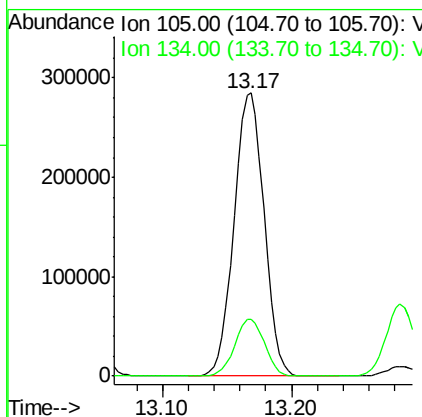
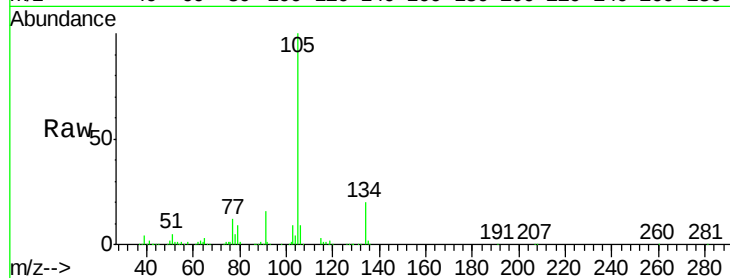
#85
 sec-Butylbenzene
 Concen: 48.192 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.5

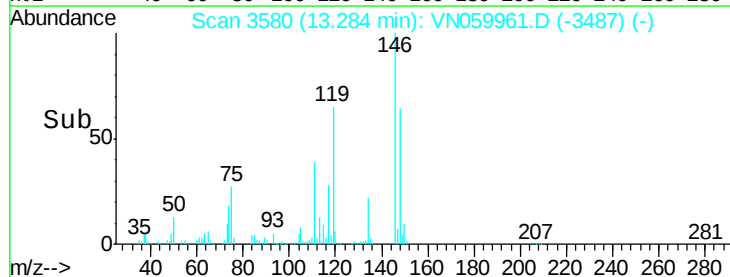
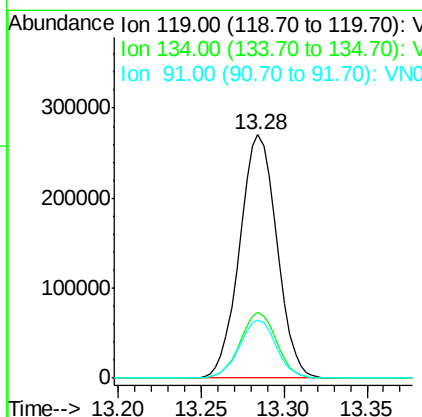
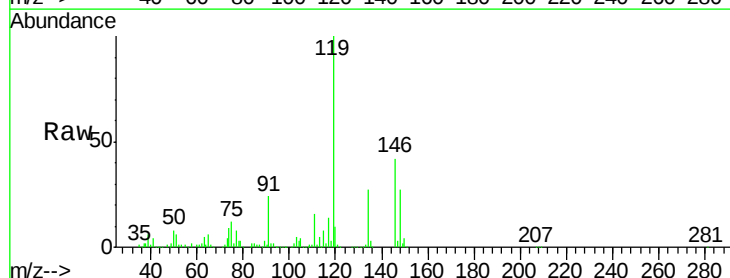
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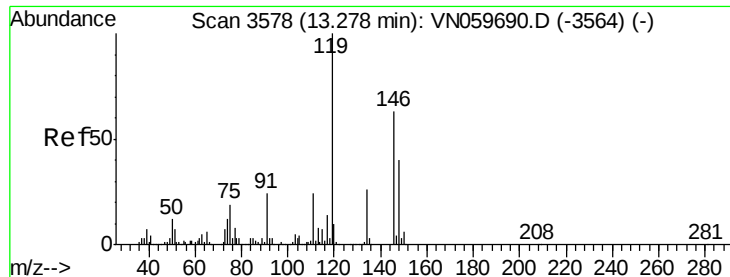
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#86
 p-Isopropyltoluene
 Concen: 47.614 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	12.9	38.7
91	23.7	12.4	37.4





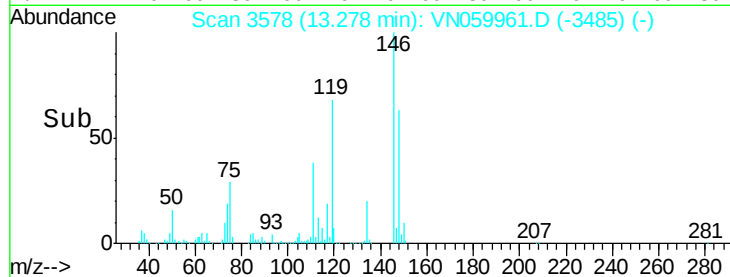
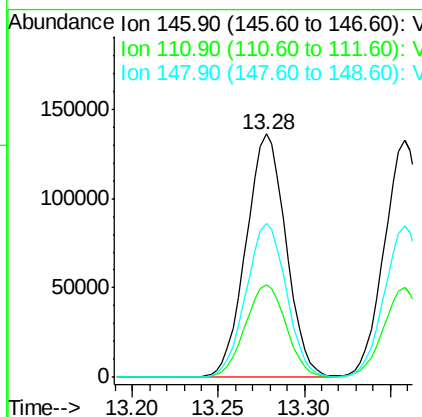
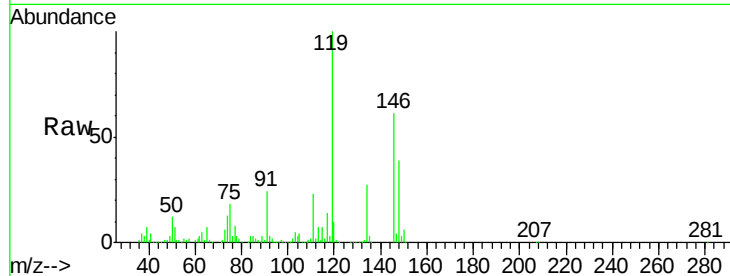
#87
 1,3-Dichlorobenzene
 Concen: 49.781 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.8	62.2
148	63.9	32.0	96.0

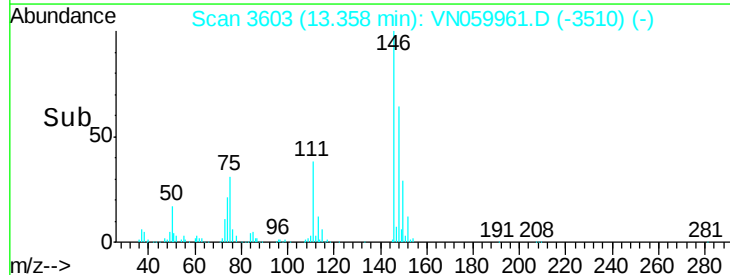
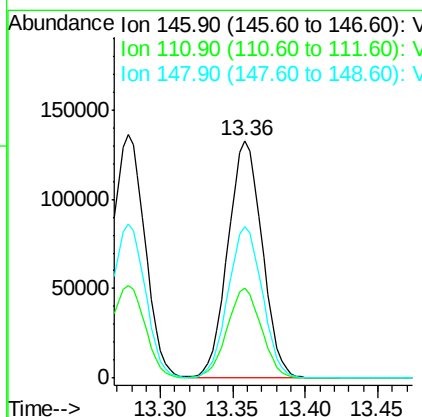
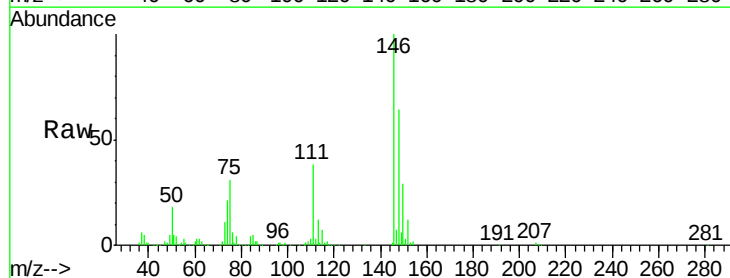
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#88
 1,4-Dichlorobenzene
 Concen: 49.678 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	20.8	62.2
148	64.1	31.8	95.4





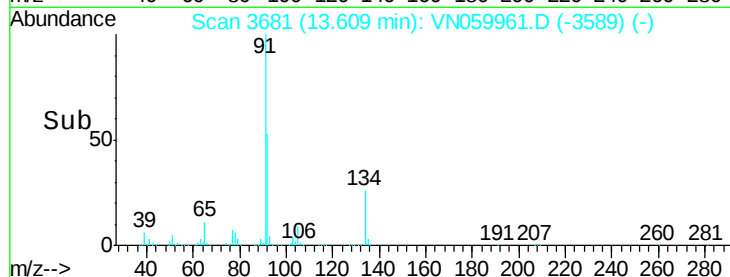
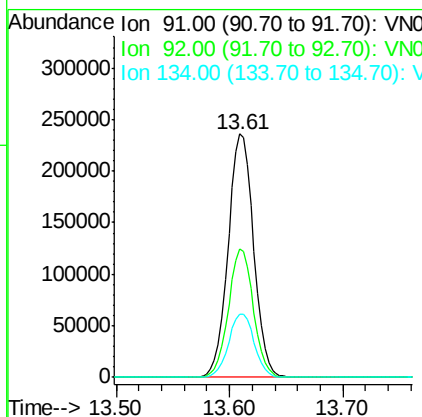
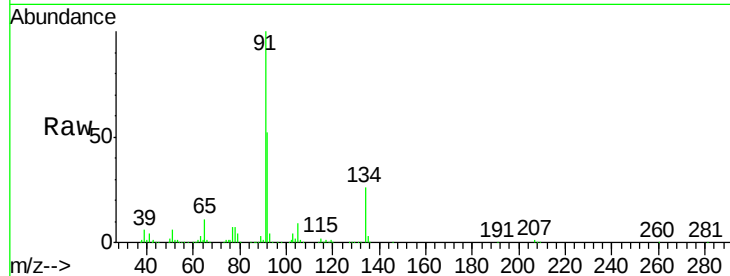
#89
n-Butylbenzene
Concen: 48.810 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	51.8	25.9	77.7	
134	26.4	12.3	36.8	

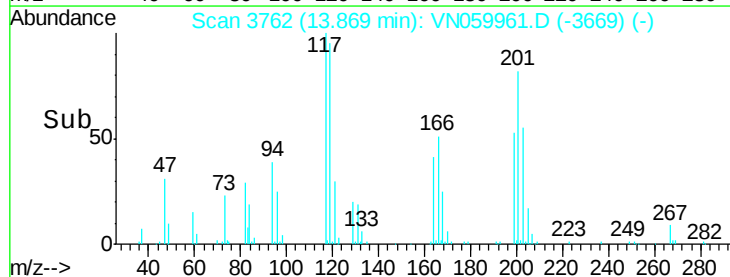
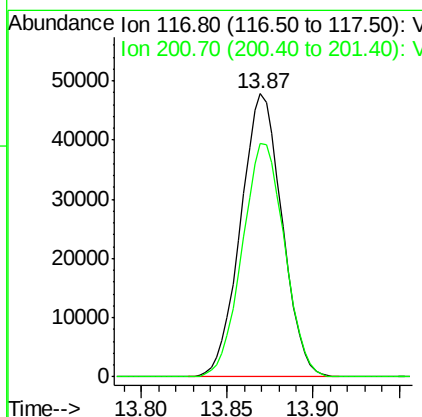
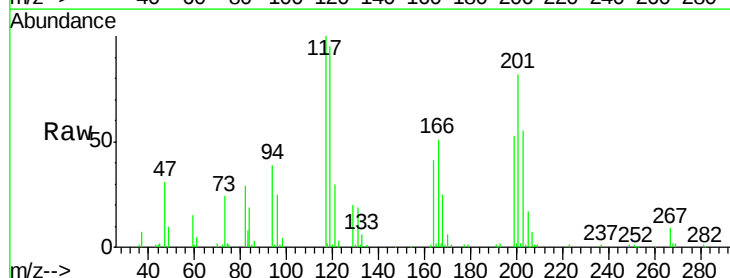
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#90
Hexachloroethane
Concen: 48.230 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Tgt Ion	Ion	Ratio	Lower	Upper
117	100			
201	84.3	37.8	113.4	





#91

1,2-Dichlorobenzene

Concen: 49.760 ug/l

RT: 13.65 min Scan# 3693

Delta R.T. -0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Instrument :

MSVOA_N

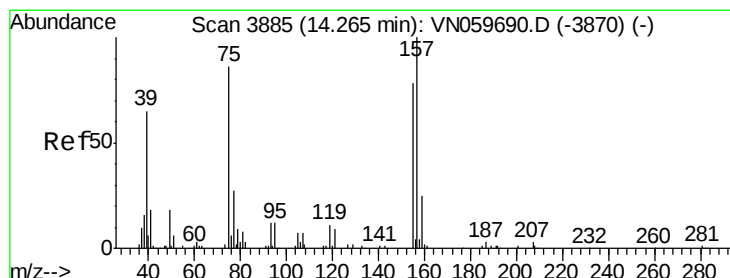
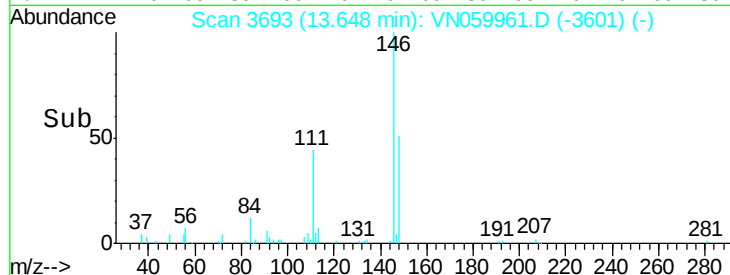
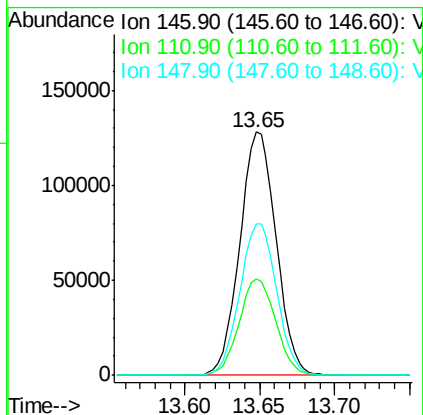
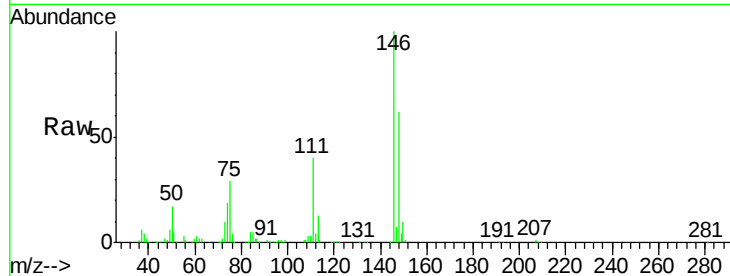
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	216561
Ion Ratio	Lower	Upper	
146	100		
111	39.9	21.6	64.8
148	63.2	31.6	95.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 49.133 ug/l

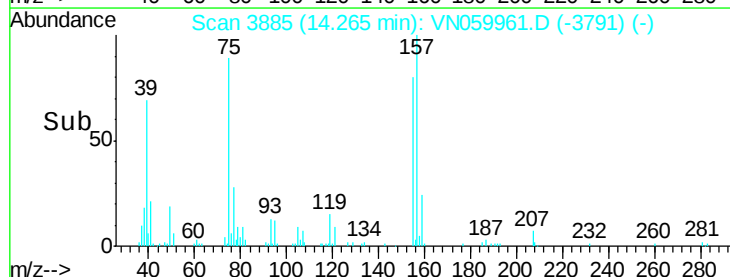
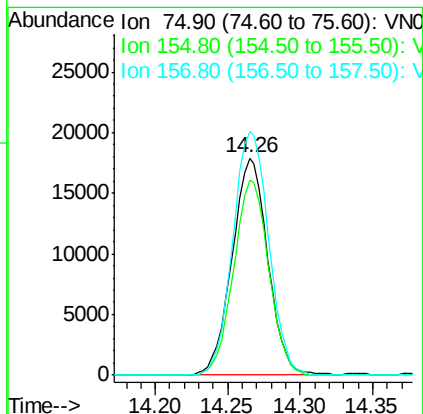
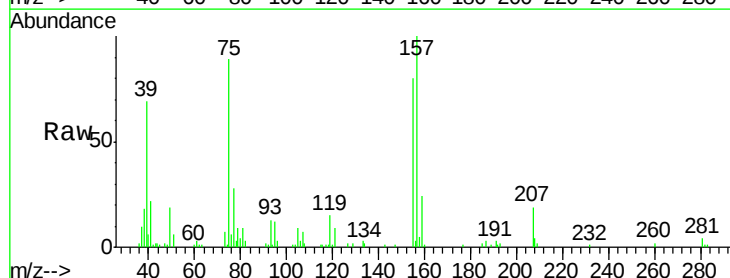
RT: 14.26 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Tgt Ion:	75	Resp:	30618
Ion Ratio	Lower	Upper	
75	100		
155	88.1	37.0	110.9
157	112.5	48.4	145.2





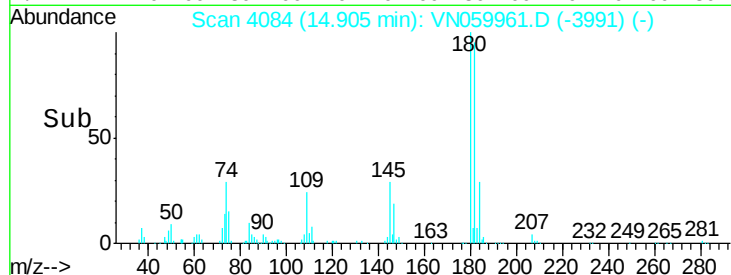
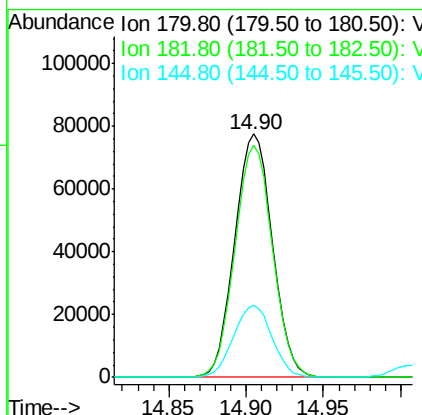
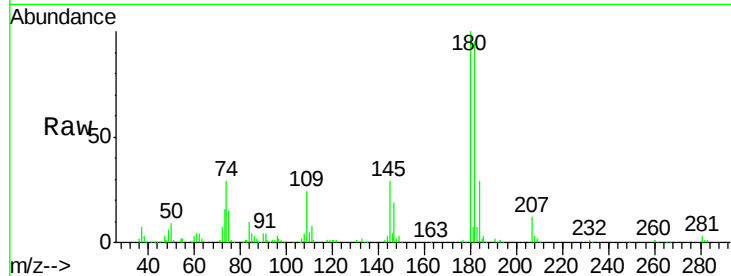
#93
1,2,4-Trichlorobenzene
Concen: 50.177 ug/l
RT: 14.90 min Scan# 4084
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	46.9	140.7
145	30.1	15.0	45.1

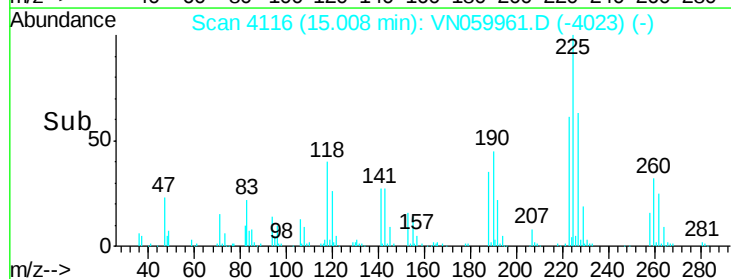
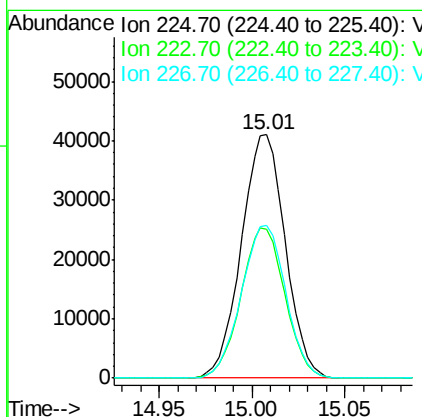
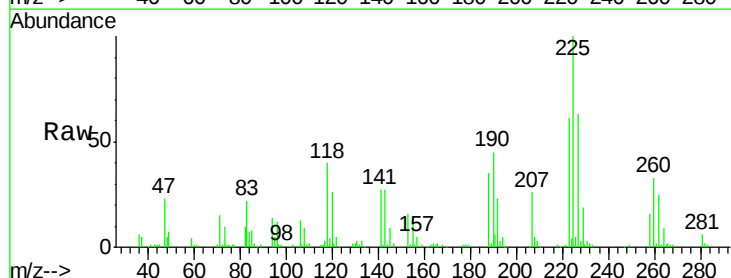
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#94
Hexachlorobutadiene
Concen: 46.964 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.8	95.3
227	63.5	32.1	96.5





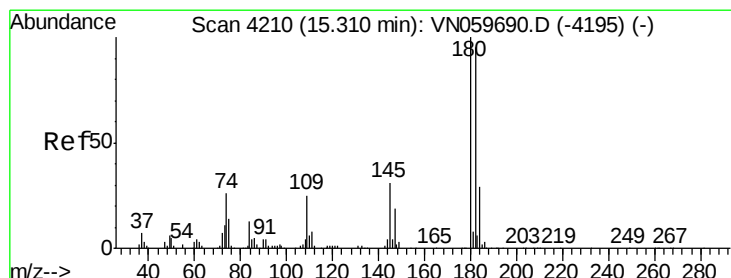
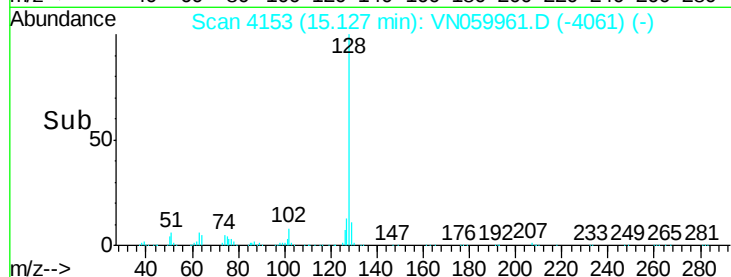
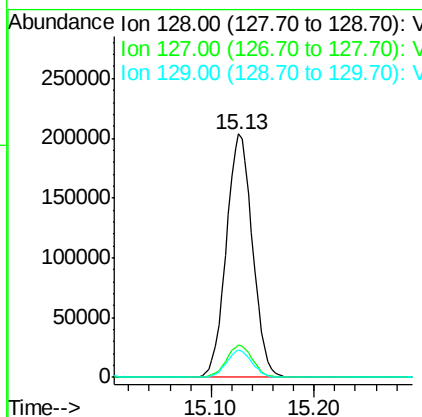
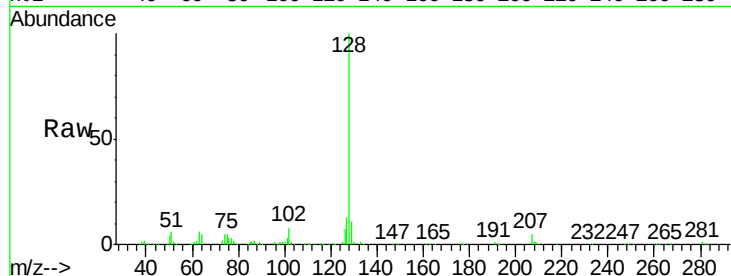
#95
Naphthalene
Concen: 48.379 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
2/4/2020 12:50:29 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.935 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.4	142.3
145	32.3	16.3	48.9

