

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012120\
 Data File : VN059819.D
 Acq On : 21 Jan 2020 19:31
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/22/2020 11:15:21 AM

Quant Time: Jan 22 03:56:04 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	198192	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	309334	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	279037	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	136631	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	112098	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	
35) Dibromofluoromethane	7.56	113	93829	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
50) Toluene-d8	10.08	98	359871	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	
62) 4-Bromofluorobenzene	12.40	95	128871	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	117830	50.431	ug/l	100
3) Chloromethane	2.04	50	109210	48.130	ug/l	98
4) Vinyl Chloride	2.17	62	139976	53.916	ug/l	98
5) Bromomethane	2.53	94	84455	53.305	ug/l	99
6) Chloroethane	2.68	64	64670	52.652	ug/l	97
7) Trichlorofluoromethane	3.00	101	165771	53.168	ug/l	100
8) Diethyl Ether	3.38	74	58483	53.449	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.74	101	94726	54.588	ug/l	92
10) Methyl Iodide	3.93	142	145600	51.909	ug/l	95
11) Tert butyl alcohol	4.73	59	97779	263.895	ug/l	99
12) 1,1-Dichloroethene	3.72	96	92969	51.272	ug/l	87
13) Acrolein	3.58	56	67119	255.901	ug/l	98
14) Allyl chloride	4.29	41	121085	49.543	ug/l #	83
15) Acrylonitrile	4.94	53	229397	271.415	ug/l	99
16) Acetone	3.78	43	249874	336.316	ug/l	97
17) Carbon Disulfide	4.03	76	245009	47.433	ug/l	100
18) Methyl Acetate	4.28	43	143323	55.749	ug/l #	90
19) Methyl tert-butyl Ether	5.00	73	312890	52.925	ug/l	94
20) Methylene Chloride	4.52	84	103437	51.996	ug/l	87
21) trans-1,2-Dichloroethene	5.01	96	97638	50.656	ug/l	88
22) Diisopropyl ether	5.91	45	282380	50.983	ug/l #	95
23) Vinyl Acetate	5.86	43	922707	215.170	ug/l #	93
24) 1,1-Dichloroethane	5.82	63	174903	51.681	ug/l	97
25) 2-Butanone	6.80	43	326946	262.313	ug/l #	90
26) 2,2-Dichloropropane	6.79	77	156459	48.089	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	116075	52.359	ug/l	87
28) Bromochloromethane	7.17	49	67104	49.610	ug/l #	71
29) Tetrahydrofuran	7.18	42	199121	258.206	ug/l	87
30) Chloroform	7.35	83	185108	52.790	ug/l	98
31) Cyclohexane	7.63	56	152820	46.928	ug/l	90
32) 1,1,1-Trichloroethane	7.54	97	171637	52.939	ug/l	96
36) 1,1-Dichloropropene	7.77	75	134115	49.787	ug/l	95
37) Ethyl Acetate	6.90	43	127603	50.505	ug/l	97
38) Carbon Tetrachloride	7.75	117	153808	52.489	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	162134	48.813	ug/l	91
40) Benzene	8.02	78	405982	50.534	ug/l	99
41) Methacrylonitrile	7.15	41	60030m	48.238	ug/l	
42) 1,2-Dichloroethane	8.10	62	144564	53.072	ug/l	97
43) Isopropyl Acetate	8.14	43	219825	50.584	ug/l #	94
44) Trichloroethene	8.82	130	119894	54.667	ug/l	95
45) 1,2-Dichloropropane	9.10	63	104005	52.317	ug/l	100
46) Dibromomethane	9.19	93	73916	52.709	ug/l	91
47) Bromodichloromethane	9.39	83	149116	52.767	ug/l	99
48) Methyl methacrylate	9.18	41	95339	49.047	ug/l	89
49) 1,4-Dioxane	9.18	88	40405	1135.456	ug/l	90
51) 4-Methyl-2-Pentanone	9.97	43	640530	254.973	ug/l	94
52) Toluene	10.14	92	263549	51.935	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	163291	51.750	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	173756	52.335	ug/l	92
55) 1,1,2-Trichloroethane	10.55	97	104679	52.084	ug/l	97
56) Ethyl methacrylate	10.42	69	157355	51.239	ug/l	90
57) 1,3-Dichloropropane	10.70	76	169325	53.066	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	257707	278.603	ug/l	91
59) 2-Hexanone	10.74	43	491111	265.363	ug/l	94
60) Dibromochloromethane	10.89	129	123862	54.119	ug/l	100
61) 1,2-Dibromoethane	10.99	107	112486	53.399	ug/l	99
64) Tetrachloroethene	10.62	164	158578	69.730	ug/l	95
65) Chlorobenzene	11.43	112	285673	52.086	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	114057	53.820	ug/l	100
67) Ethyl Benzene	11.50	91	513227	51.548	ug/l	98
68) m/p-Xylenes	11.61	106	391454	104.086	ug/l	94
69) o-Xylene	11.94	106	190456	51.727	ug/l	95
70) Styrene	11.96	104	317961	51.607	ug/l	96
71) Bromoform	12.12	173	93032	54.804	ug/l #	98
73) Isopropylbenzene	12.24	105	513329	51.228	ug/l	99
74) N-amyl acetate	12.06	43	189226	48.666	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	142687	49.119	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	131600m	57.233	ug/l	
77) Bromobenzene	12.52	156	131108	51.667	ug/l	82
78) n-propylbenzene	12.59	91	574324	51.065	ug/l	98
79) 2-Chlorotoluene	12.67	91	336612	50.310	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	424910	50.421	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.29	75	52863	49.372	ug/l	94
82) 4-Chlorotoluene	12.77	91	341668	50.912	ug/l	95
83) tert-Butylbenzene	12.99	119	369024	50.631	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	425861	51.080	ug/l	98
85) sec-Butylbenzene	13.17	105	486718	50.827	ug/l	99
86) p-Isopropyltoluene	13.28	119	448658	50.635	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	230742	52.348	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	226736	51.562	ug/l	97
89) n-Butylbenzene	13.61	91	375370	49.686	ug/l	98
90) Hexachloroethane	13.87	117	84337	50.873	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	226621	52.005	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	32166	51.658	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	134347	51.308	ug/l	98
94) Hexachlorobutadiene	15.01	225	71724	49.707	ug/l	99
95) Naphthalene	15.13	128	373805	50.190	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	128954	50.596	ug/l	100

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

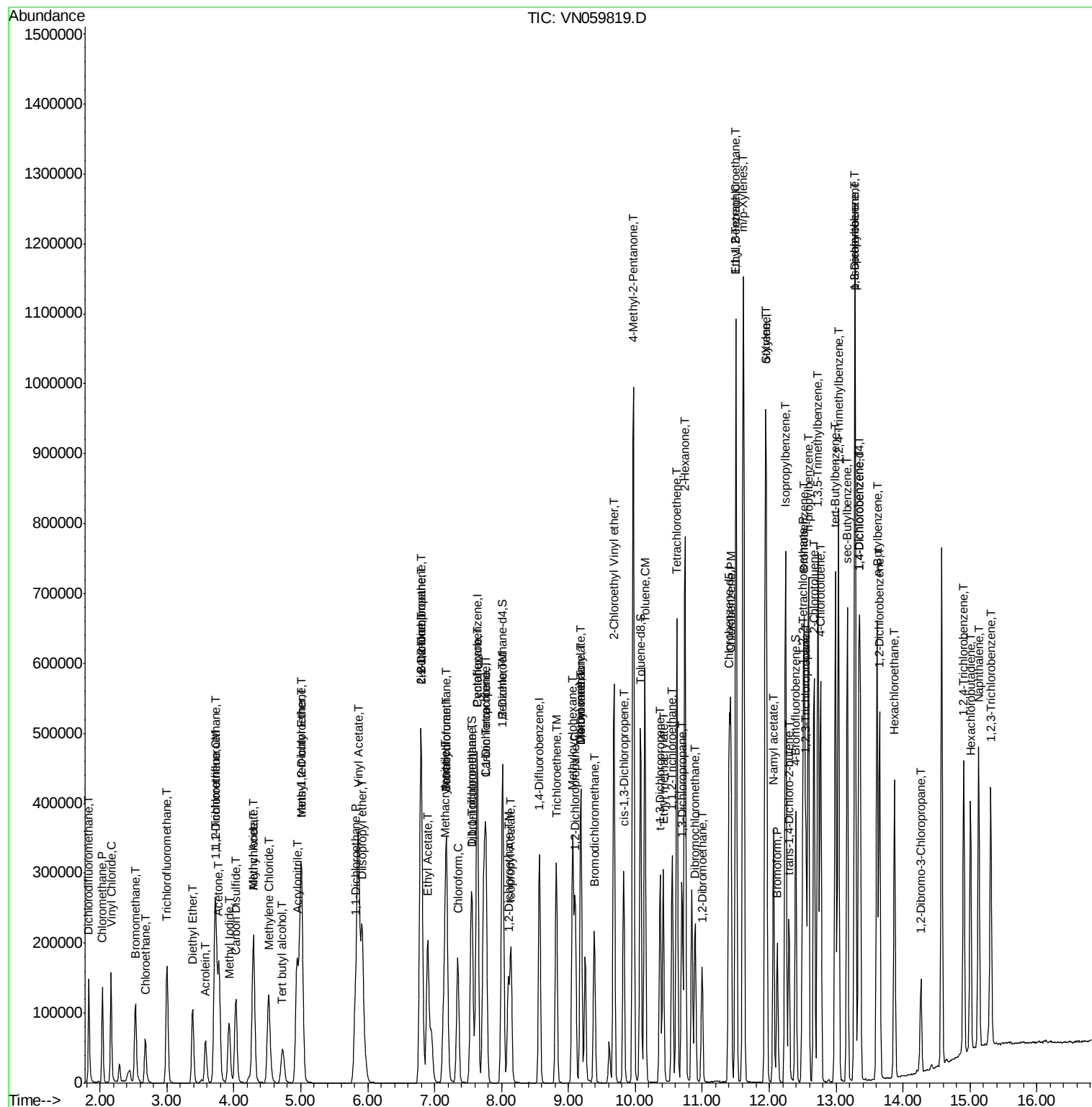
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012120\
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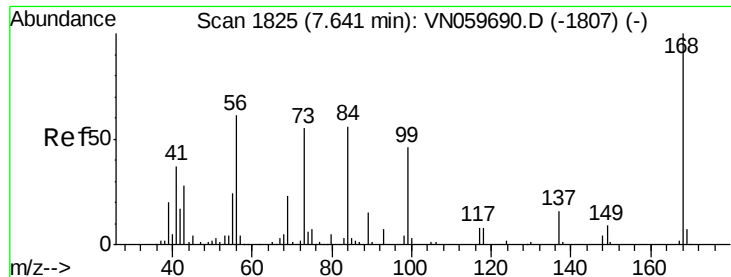
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 198192

Ion Ratio Lower Upper

168 100

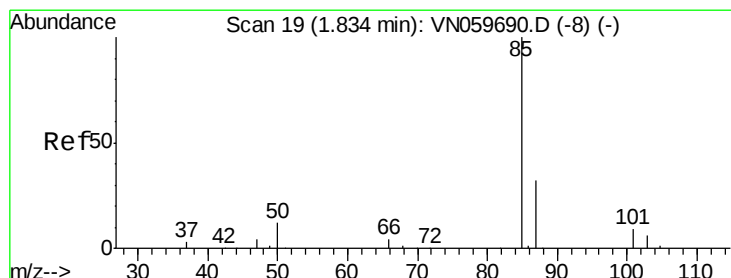
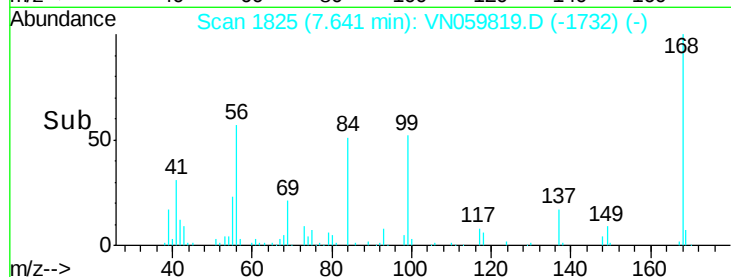
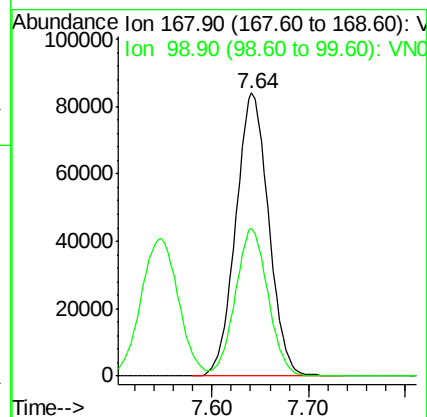
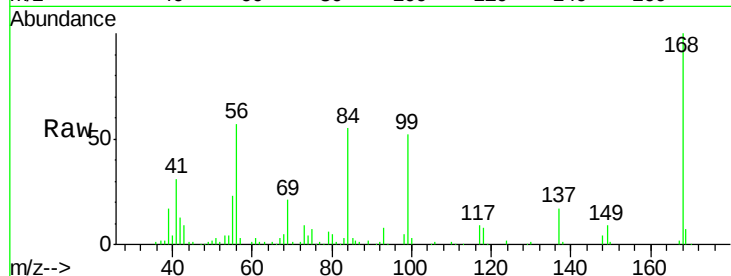
99 52.4 48.2 72.4

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 50.431 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN059819.D

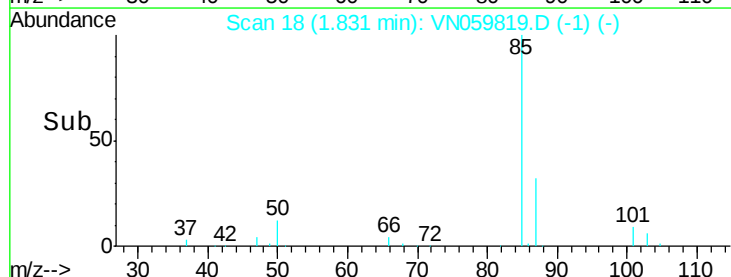
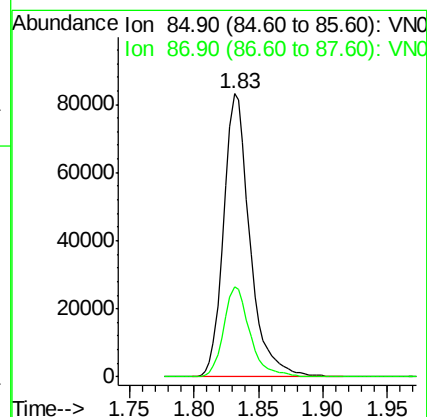
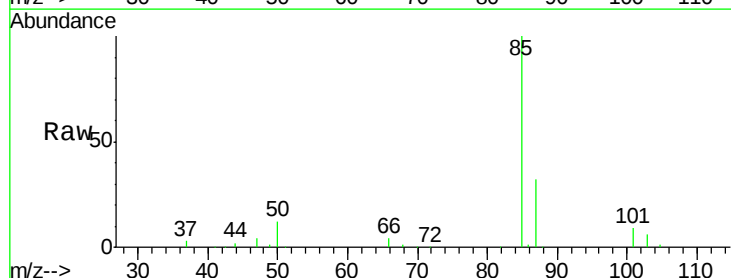
Acq: 21 Jan 2020 19:31

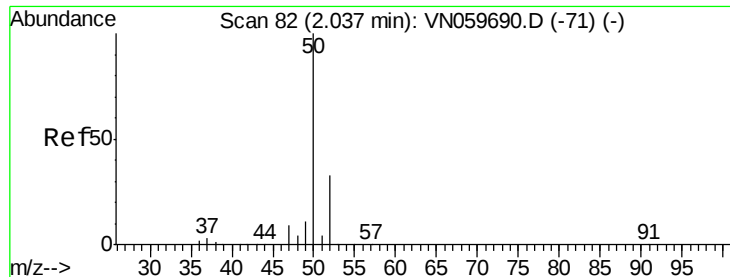
Tgt Ion: 85 Resp: 117830

Ion Ratio Lower Upper

85 100

87 31.8 15.9 47.7





#3

Chloromethane

Concen: 48.130 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 109210

Ion Ratio Lower Upper

50 100

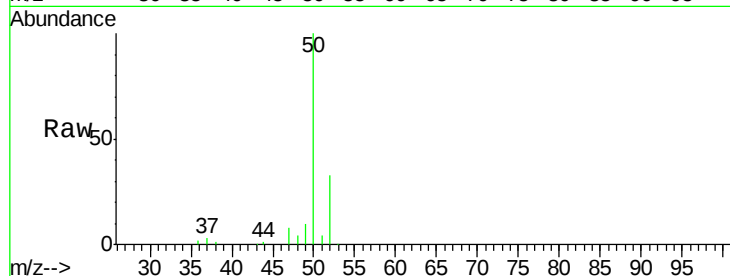
52 33.4 25.9 38.9

Manual Integrations

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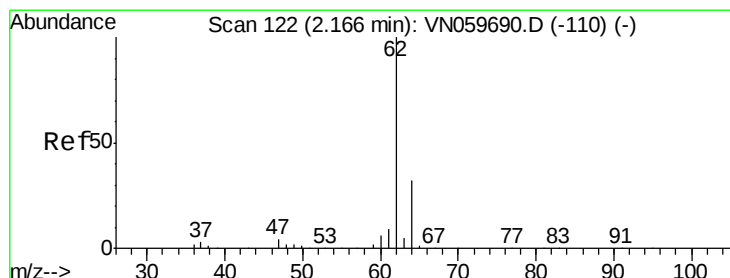
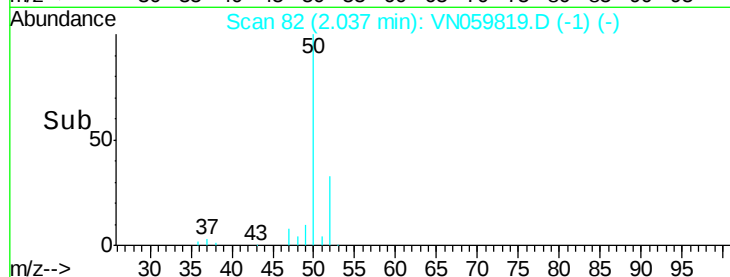
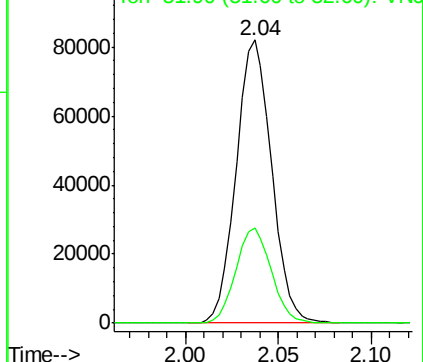
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 53.916 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059819.D

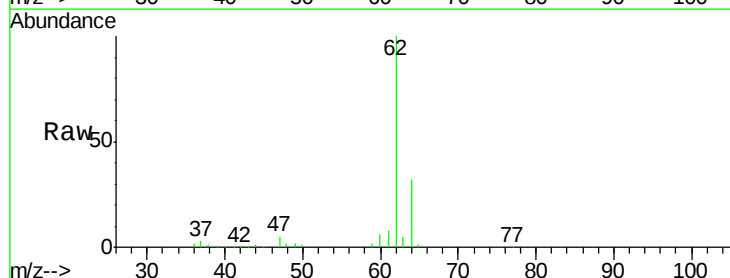
Acq: 21 Jan 2020 19:31

Tgt Ion: 62 Resp: 139976

Ion Ratio Lower Upper

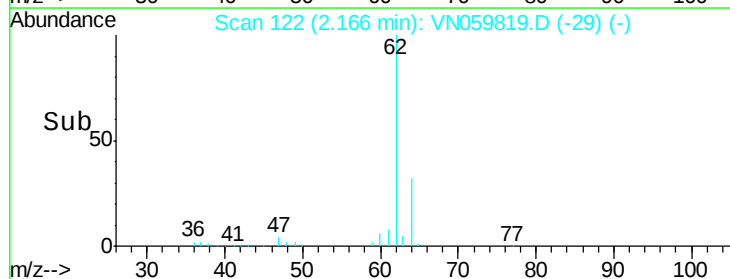
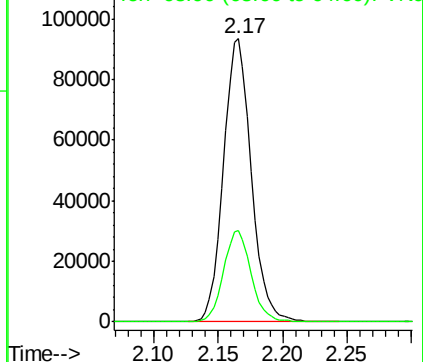
62 100

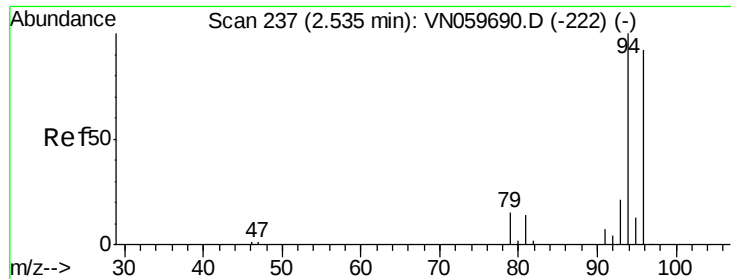
64 32.1 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 53.305 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.01 min

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Tot Ion: 94 Resp: 84455

Ion Ratio Lower Upper

94 100

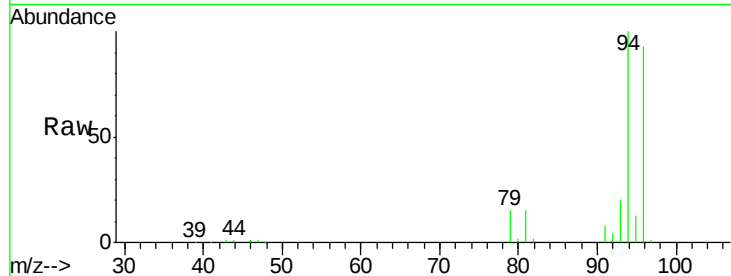
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Manual Integrations

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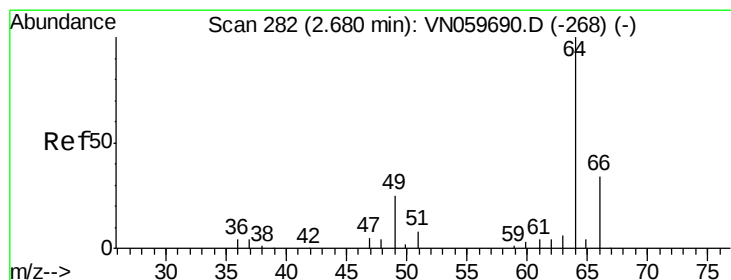
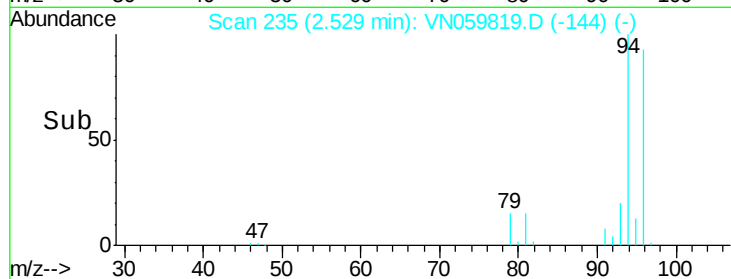
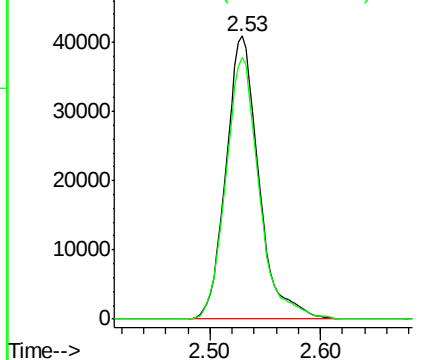
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 52.652 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.00 min

Lab File: VN059819.D

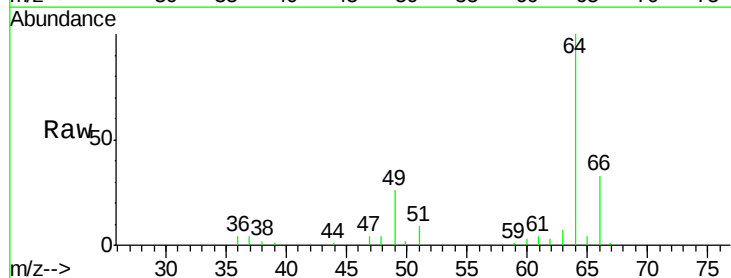
Acq: 21 Jan 2020 19:31

Tgt Ion: 64 Resp: 64670

Ion Ratio Lower Upper

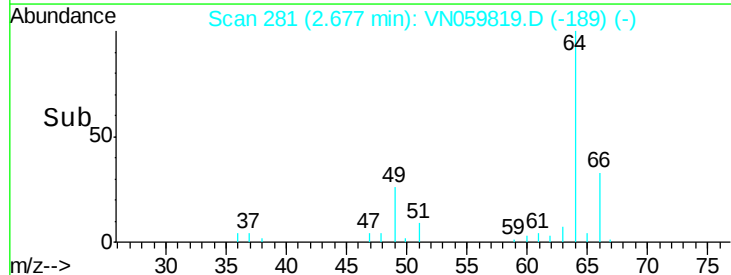
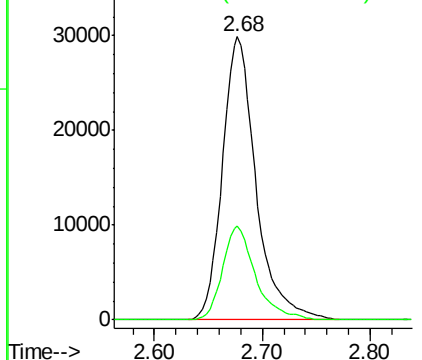
64 100

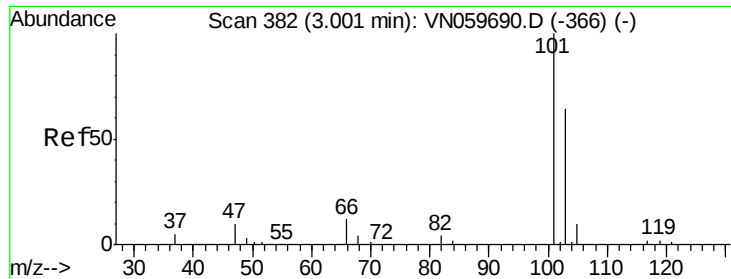
66 33.0 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

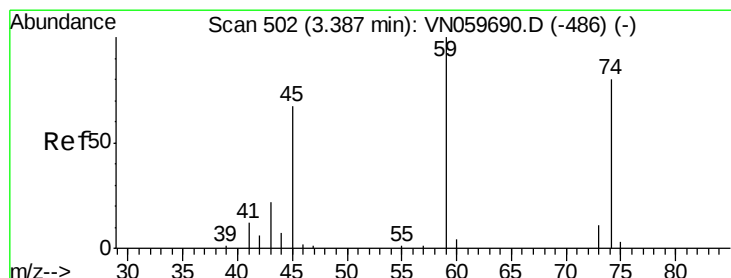
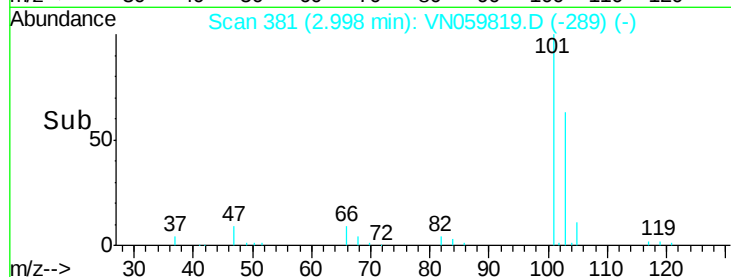
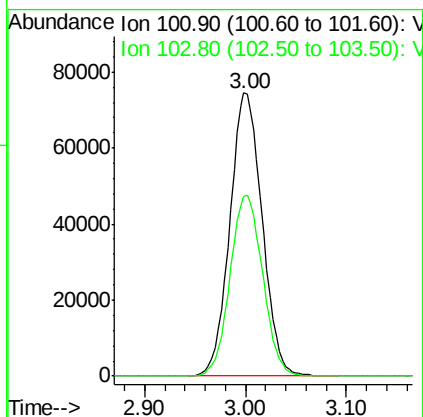
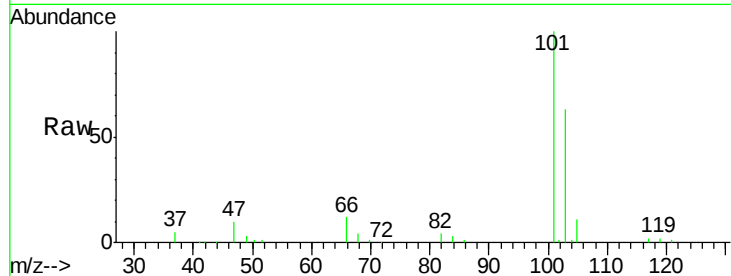
Trichlorofluoromethane
Concen: 53.168 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.00 min
Lab File: VN059819.D
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Tot Ion:101 Resp: 165771
Ion Ratio Lower Upper
101 100
103 63.4 51.0 76.6

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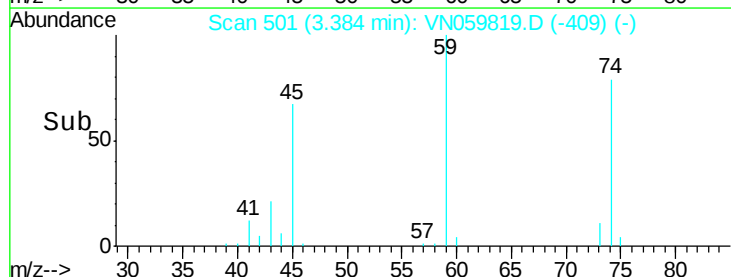
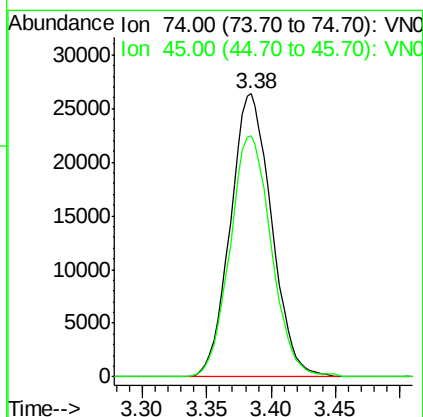
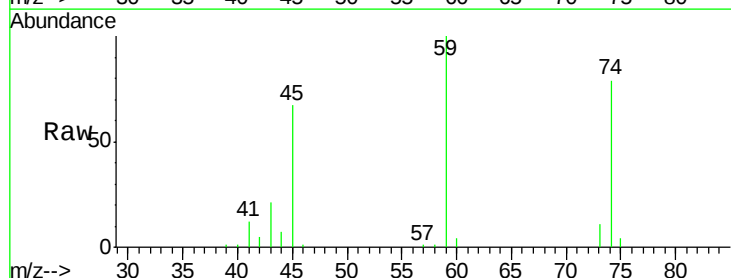
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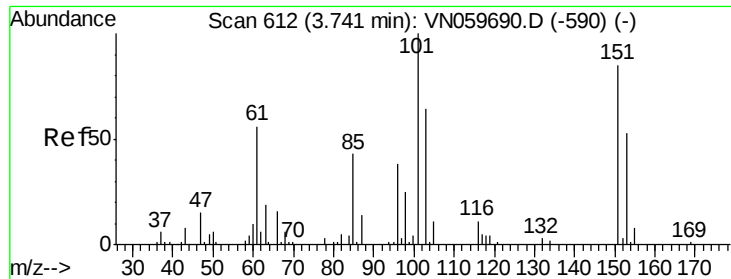


#8

Diethyl Ether
Concen: 53.449 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Tgt Ion: 74 Resp: 58483
Ion Ratio Lower Upper
74 100
45 85.6 51.9 155.8





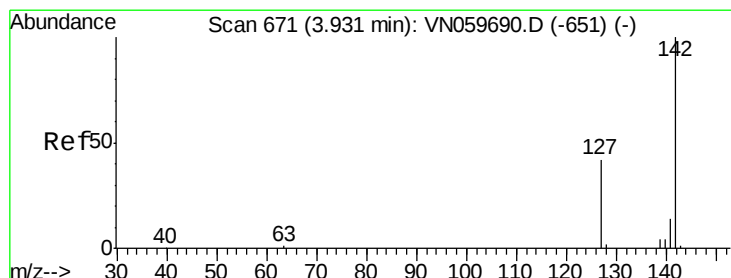
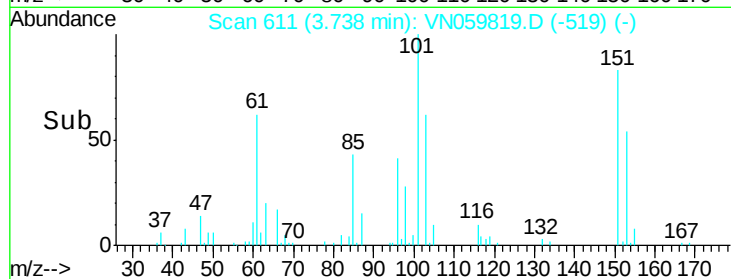
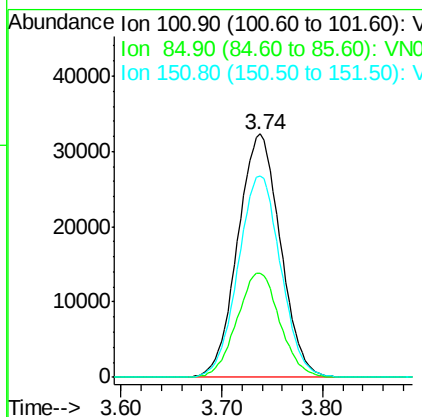
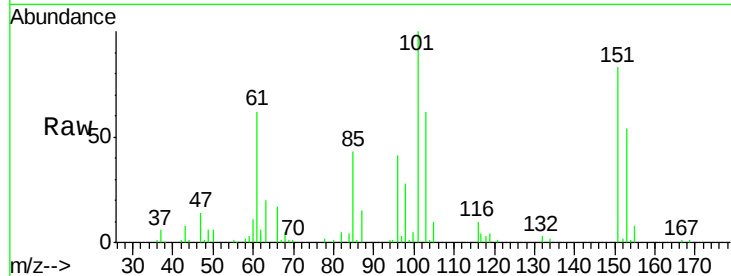
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 54.588 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN059819.D
 Acq: 21 Jan 2020 19:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 94726
 Ion Ratio Lower Upper
 101 100
 85 42.9 36.6 54.8
 151 82.9 59.7 89.5

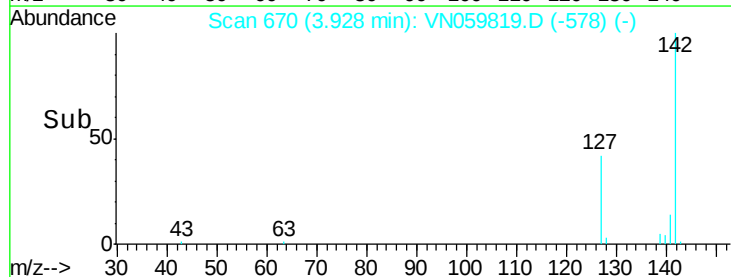
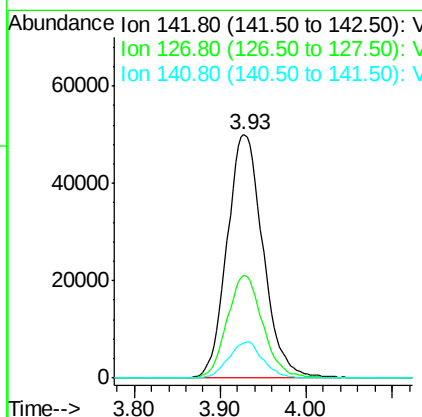
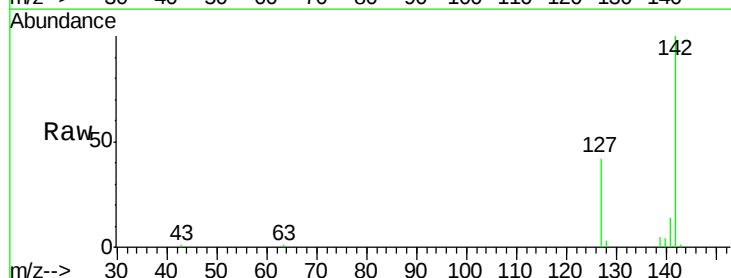
Manual Integrations
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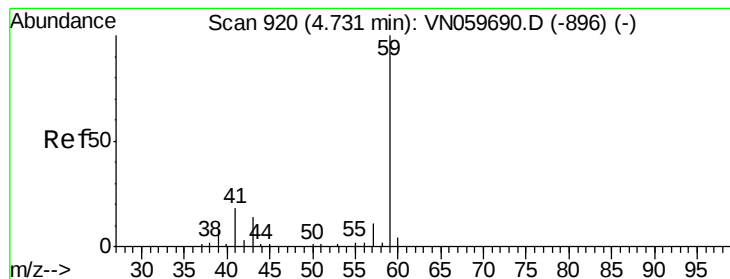
MMDadoda
 1/22/2020 11:15:21 AM



#10
 Methyl Iodide
 Concen: 51.909 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: VN059819.D
 Acq: 21 Jan 2020 19:31

Tgt Ion:142 Resp: 145600
 Ion Ratio Lower Upper
 142 100
 127 41.9 36.7 55.1
 141 14.1 11.7 17.5





#11

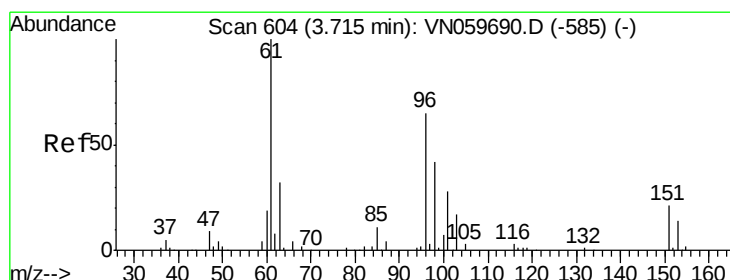
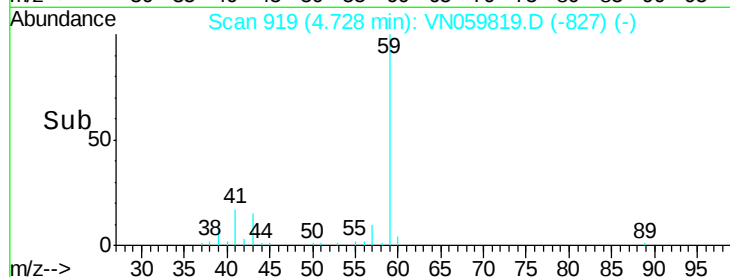
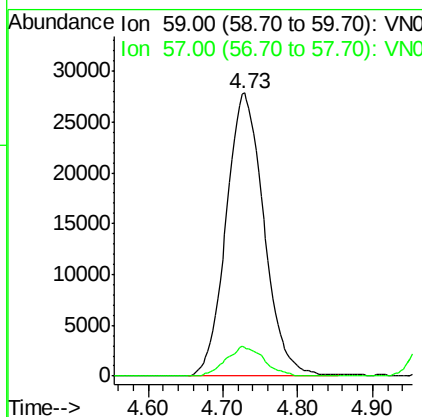
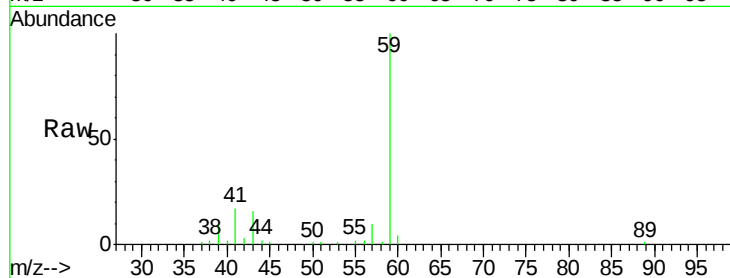
Tert butyl alcohol
Concen: 263.895 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.6	12.8

Manual Integrations
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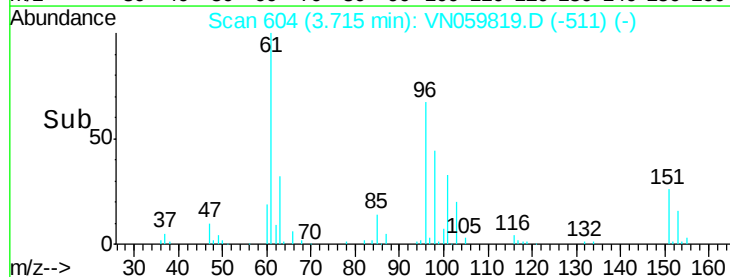
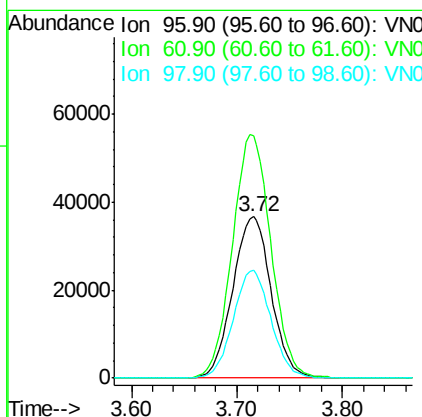
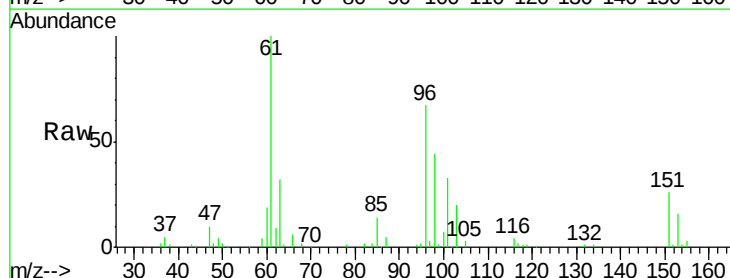
MMDadoda
1/22/2020 11:15:21 AM

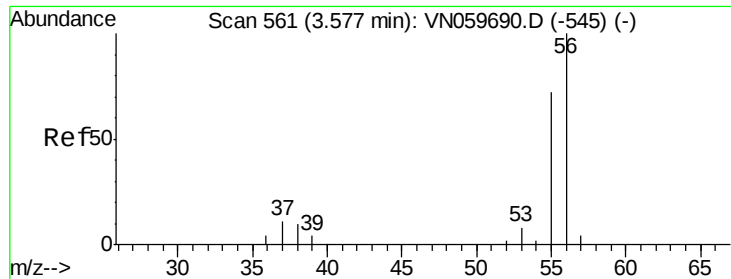


#12

1,1-Dichloroethene
Concen: 51.272 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.2	137.5	206.3
98	66.6	50.2	75.4





#13

Acrolein

Concen: 255.901 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 67119

Ion Ratio Lower Upper

56 100

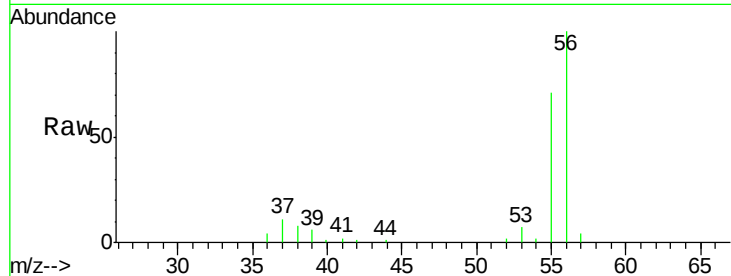
55 72.0 58.6 88.0

Manual Integrations

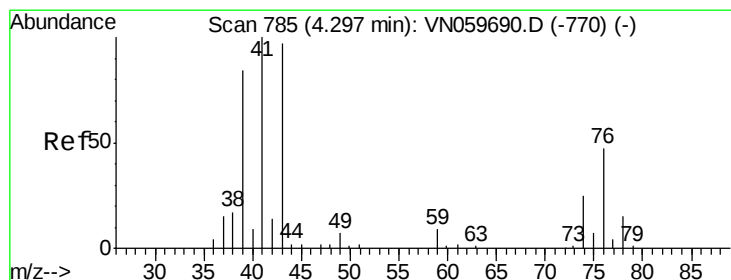
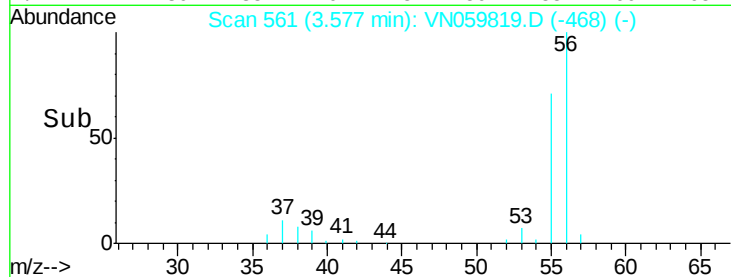
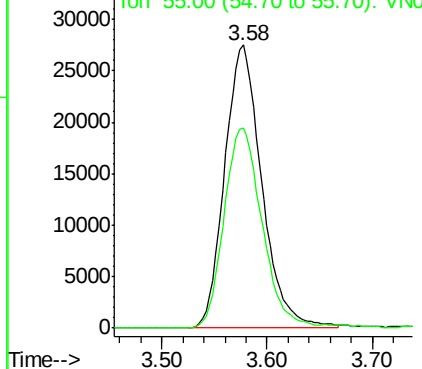
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MMDadoda

1/22/2020 11:15:21 AM



Abundance Ion 56.00 (55.70 to 56.70): VN059819.D (-468) (-)



#14

Allyl chloride

Concen: 49.543 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

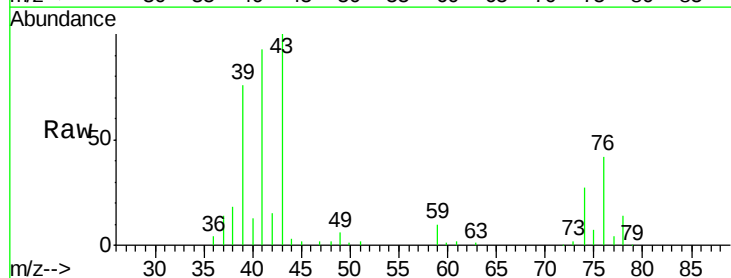
Tgt Ion: 41 Resp: 121085

Ion Ratio Lower Upper

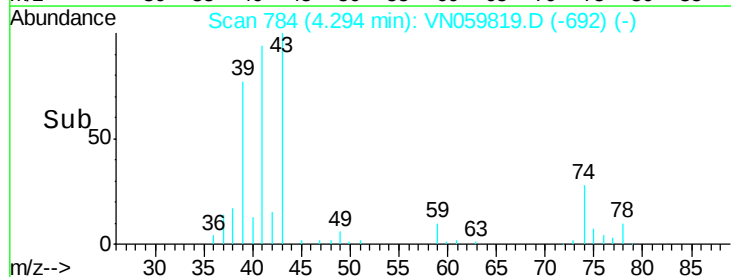
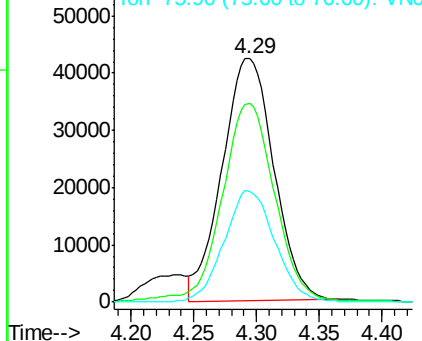
41 100

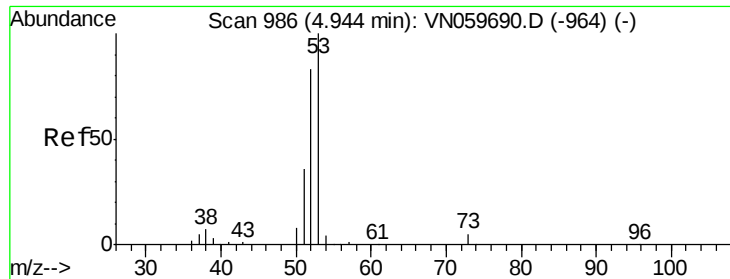
39 84.2 57.8 86.8

76 45.4 25.4 38.0#



Abundance Ion 41.00 (40.70 to 41.70): VN059819.D (-692) (-)





#15

Acrylonitrile

Concen: 271.415 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Instrument :

MSVOA_N

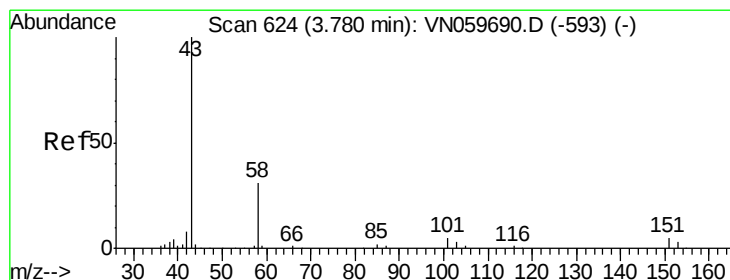
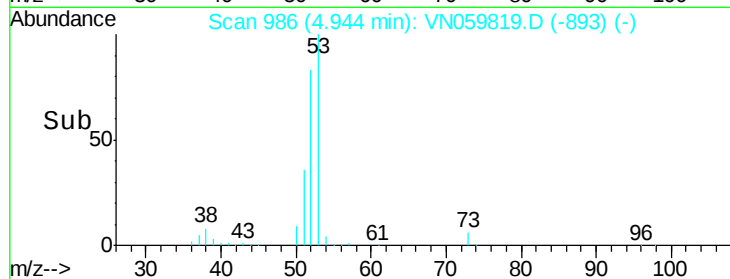
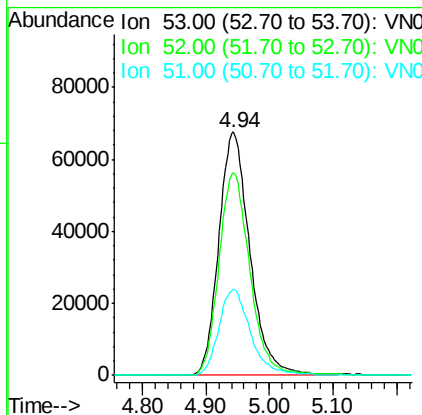
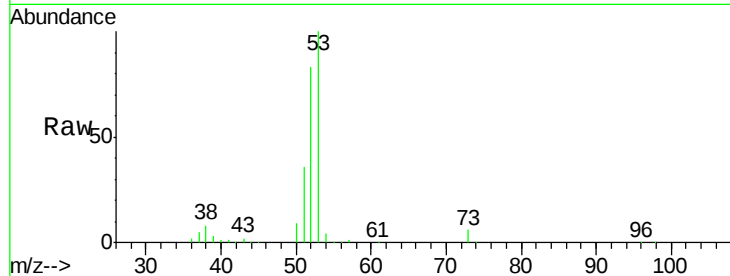
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	229397
Ion Ratio		Lower	Upper
53	100		
52	82.4	66.3	99.5
51	36.1	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 336.316 ug/l

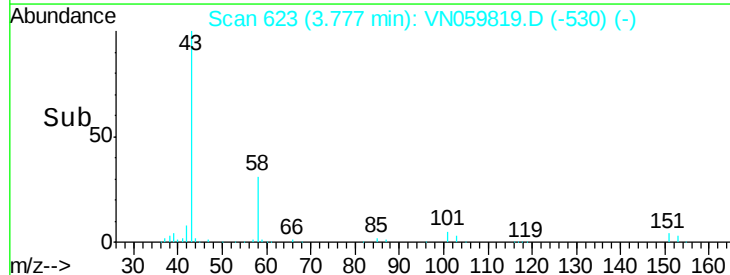
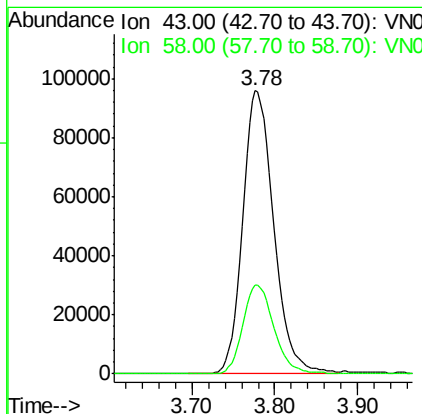
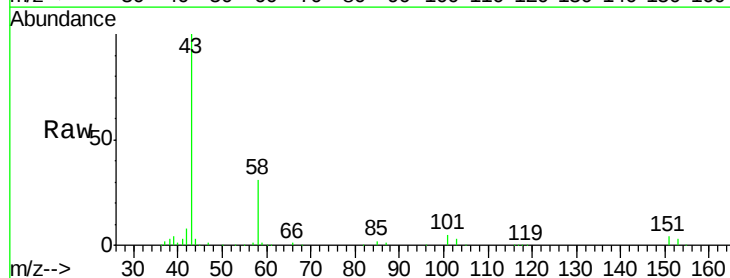
RT: 3.78 min Scan# 623

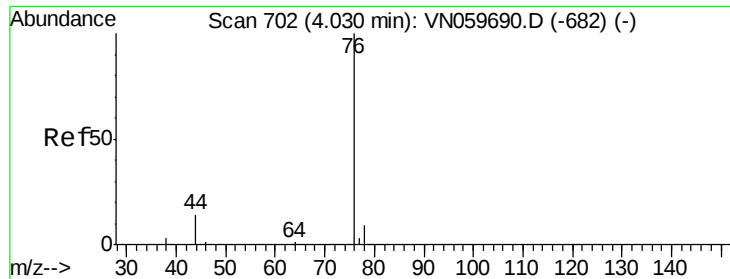
Delta R.T. -0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Tgt Ion:	43	Resp:	249874
Ion Ratio		Lower	Upper
43	100		
58	31.3	23.6	35.4





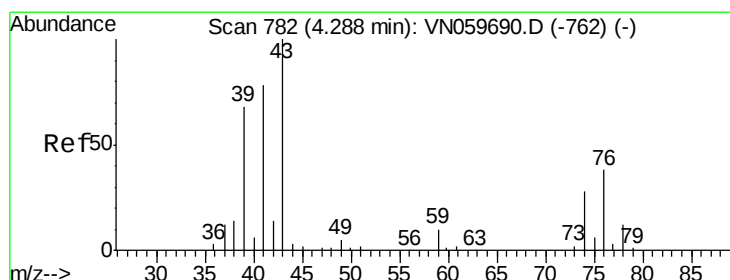
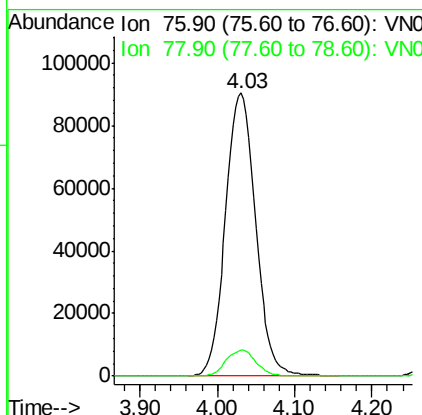
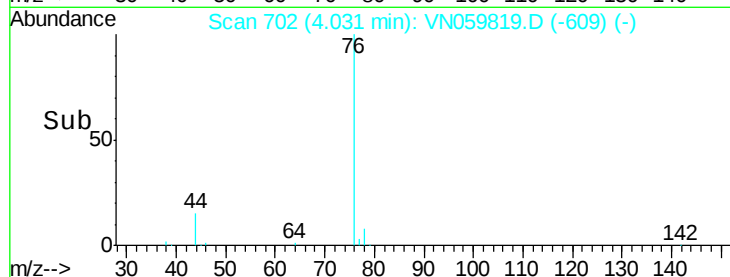
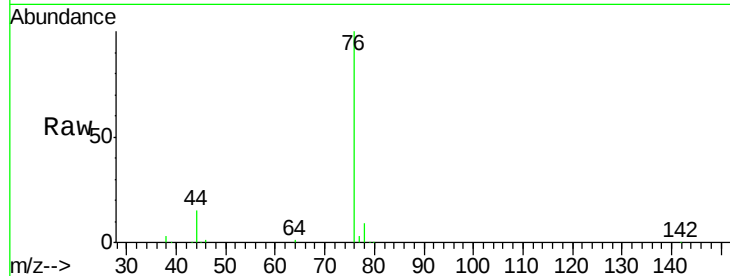
#17
Carbon Disulfide
Concen: 47.433 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.0

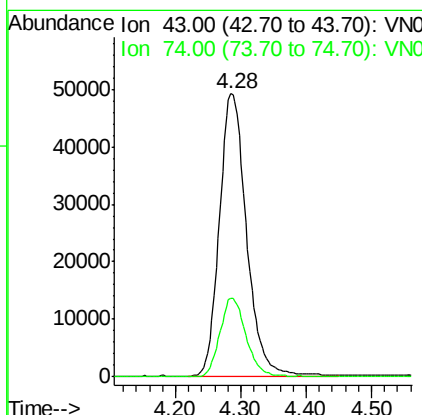
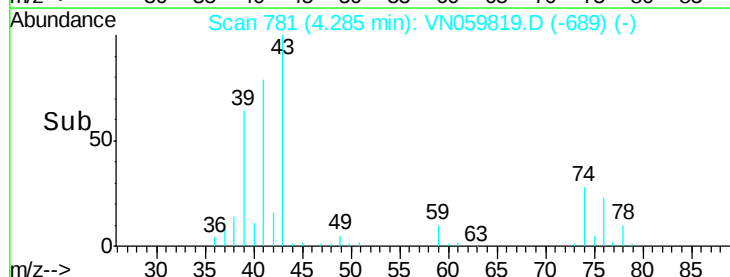
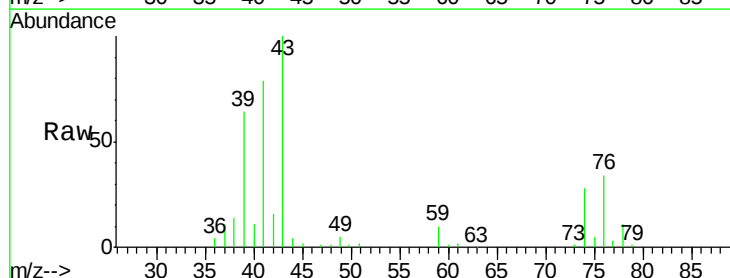
Manual Integrations
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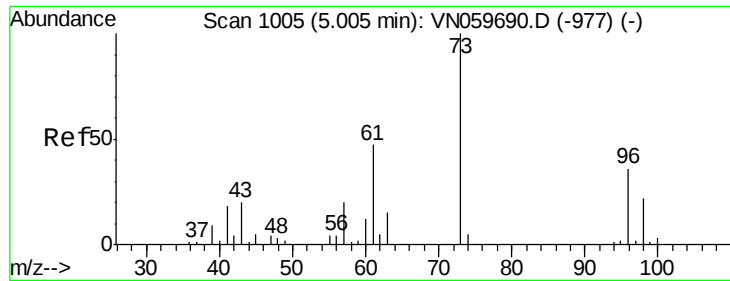
MMDadoda
1/22/2020 11:15:21 AM



#18
Methyl Acetate
Concen: 55.749 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.6	17.5	26.3#





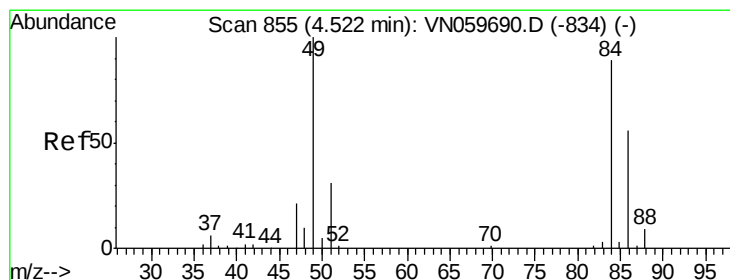
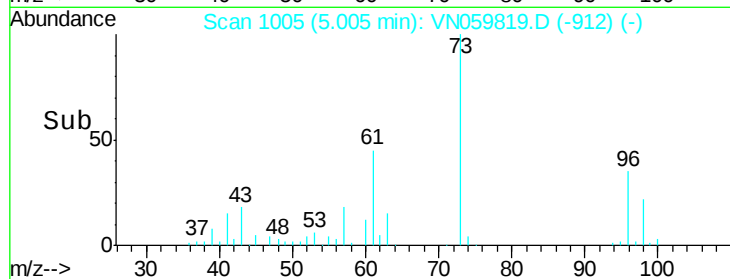
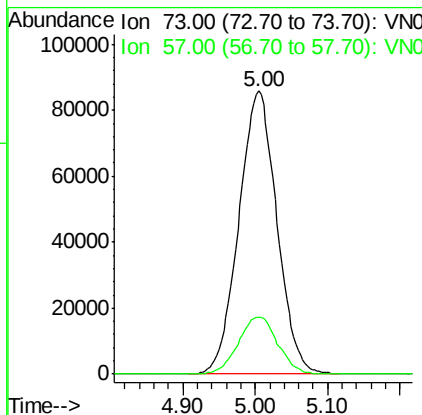
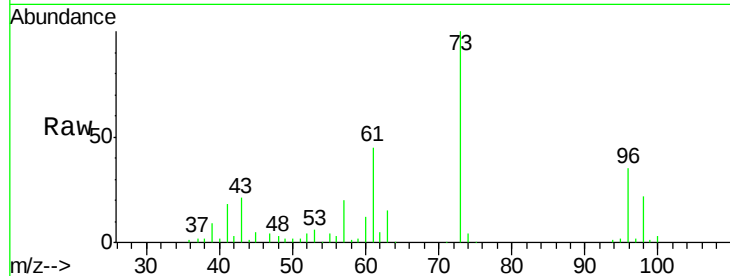
#19
Methvl tert-butvl Ether
Concen: 52.925 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 312890
Ion Ratio Lower Upper
73 100
57 20.3 18.6 27.8

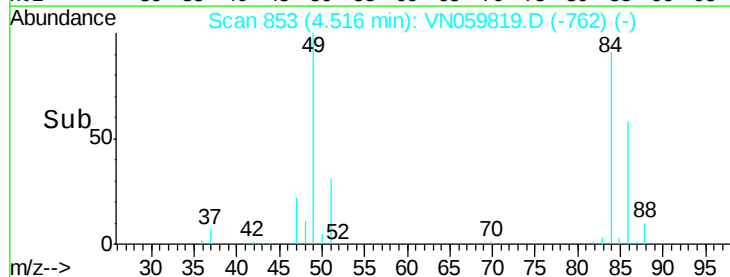
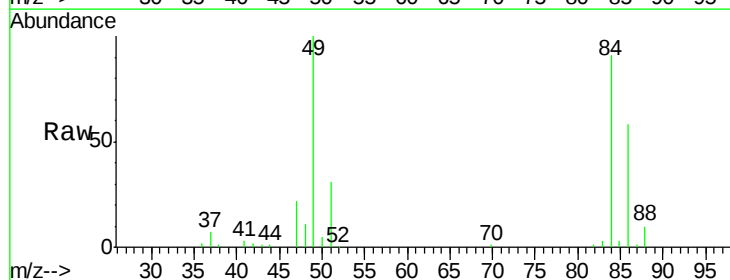
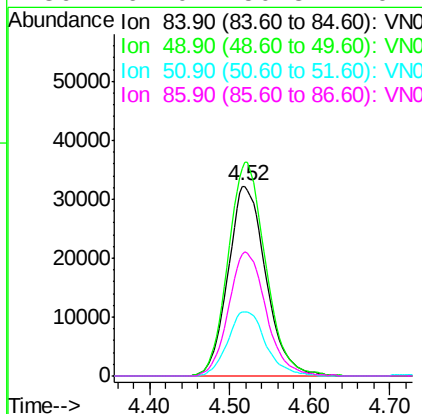
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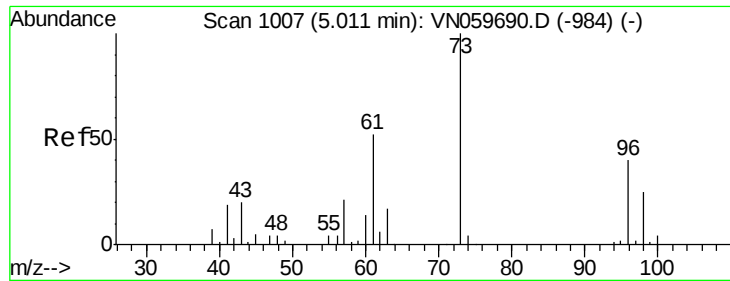
MMDadoda
1/22/2020 11:15:21 AM



#20
Methylene Chloride
Concen: 51.996 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Tgt Ion: 84 Resp: 103437
Ion Ratio Lower Upper
84 100
49 109.4 106.6 160.0
51 33.7 31.9 47.9
86 64.0 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 50.656 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059819.D

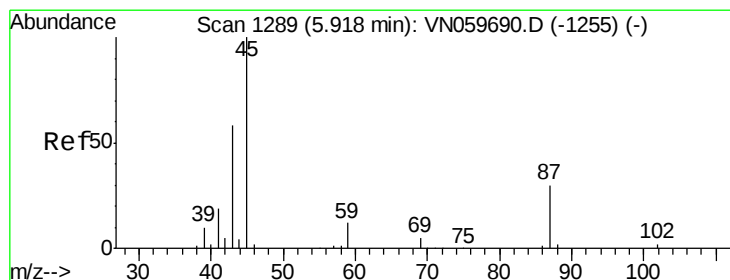
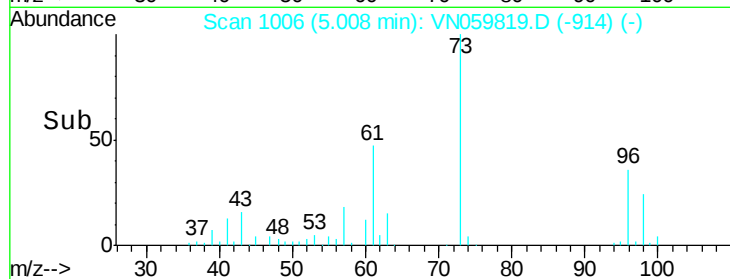
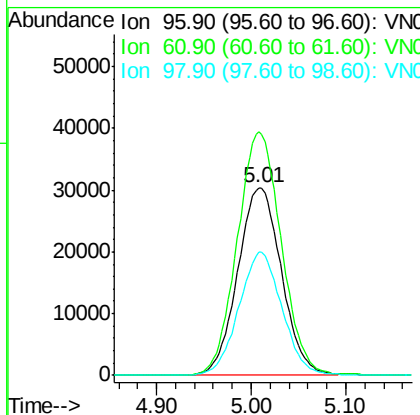
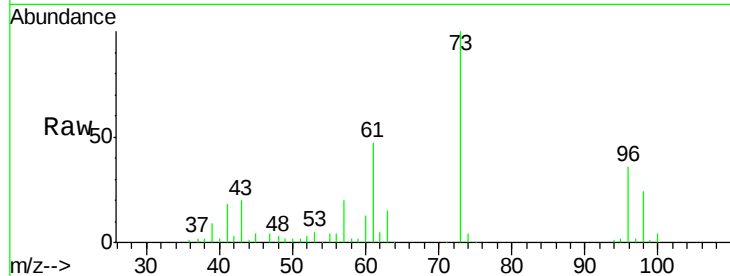
Acq: 21 Jan 2020 19:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.9	120.4	180.6
98	65.7	50.6	75.8

Manual Integrations
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1/22/2020 11:15:21 AM



#22

Diisopropyl ether

Concen: 50.983 ug/l

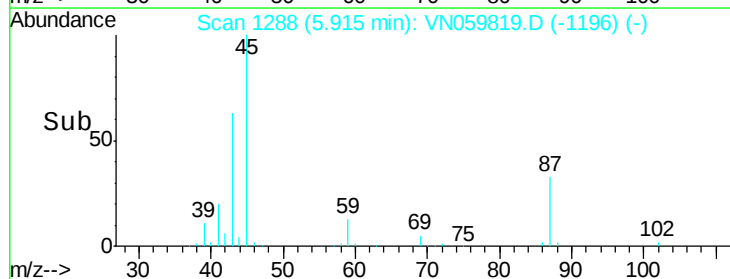
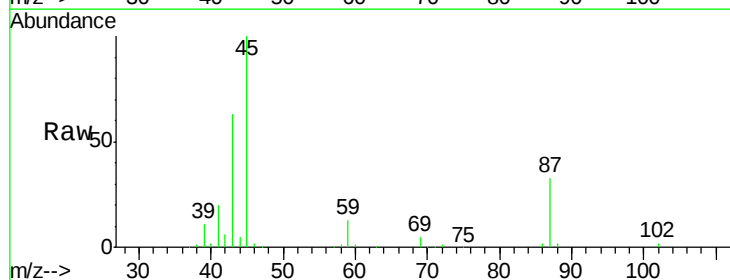
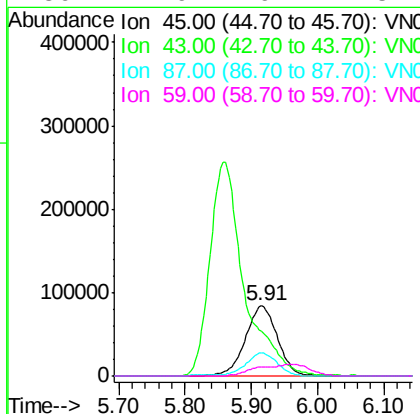
RT: 5.91 min Scan# 1288

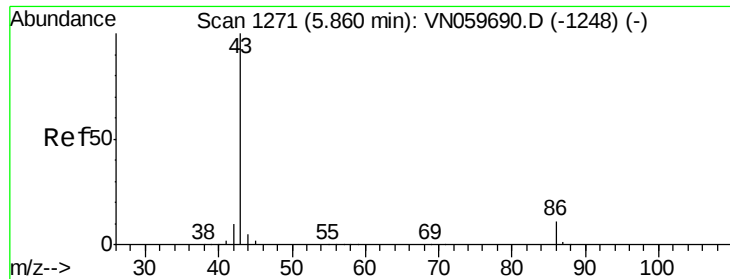
Delta R.T. -0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.2	50.8	76.2
87	32.6	21.0	31.6#
59	12.9	9.1	13.7





#23

Vinyl Acetate

Concen: 215.170 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 922707

Ion Ratio Lower Upper

43 100

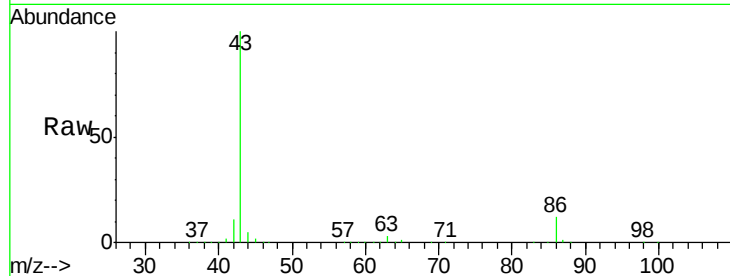
86 12.0 7.6 11.4#

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

300000

250000

200000

150000

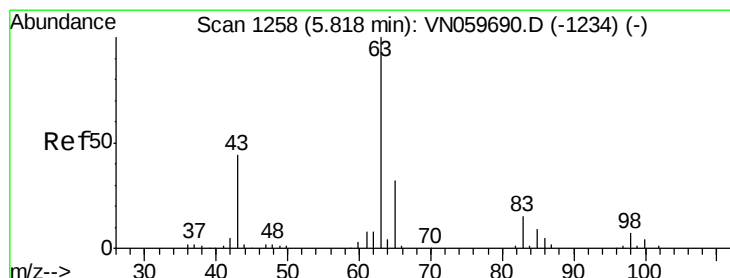
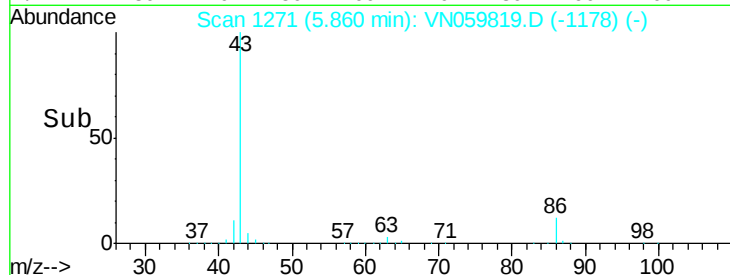
100000

50000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 51.681 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

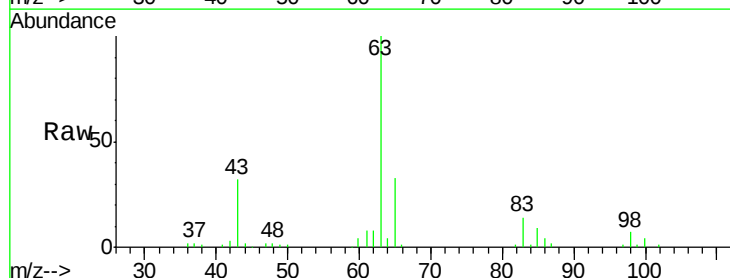
Tgt Ion: 63 Resp: 174903

Ion Ratio Lower Upper

63 100

98 7.2 2.9 8.7

100 4.5 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

60000

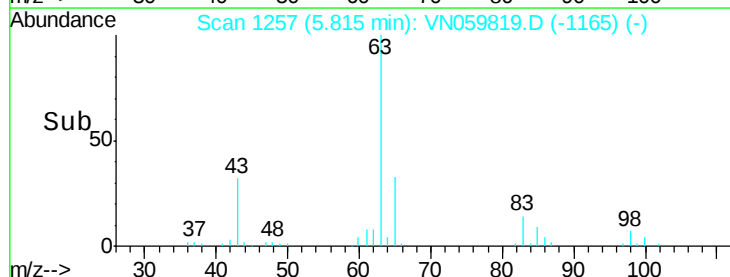
40000

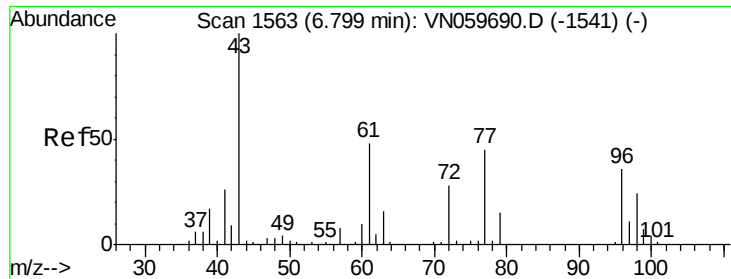
20000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 262.313 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 326946

Ion Ratio Lower Upper

43 100

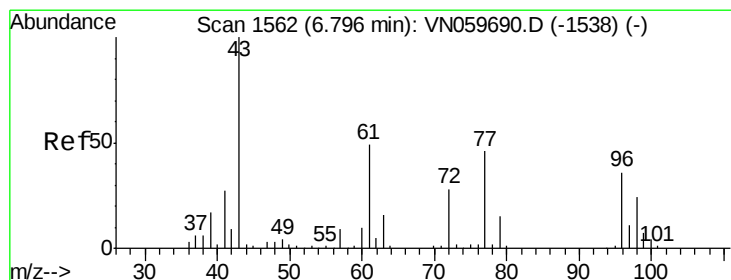
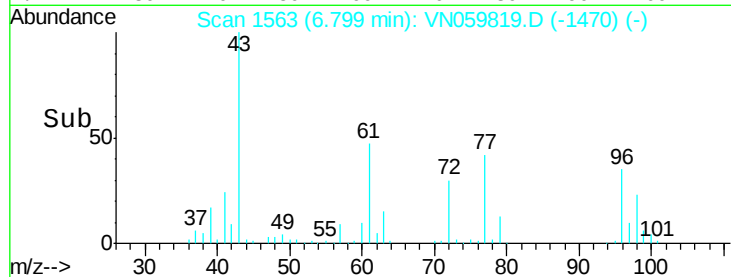
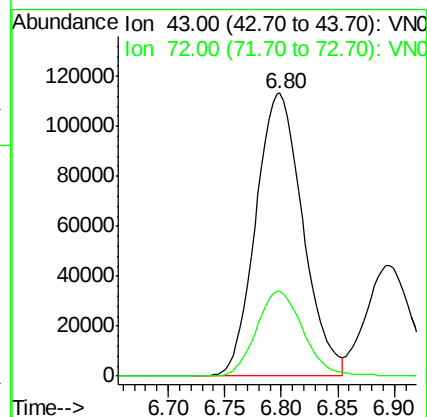
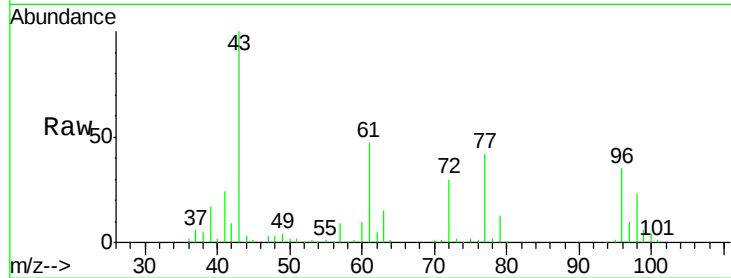
72 30.0 19.9 29.9#

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#26

2,2-Dichloropropane

Concen: 48.089 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN059819.D

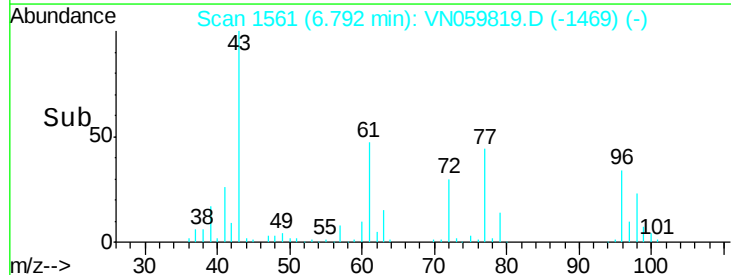
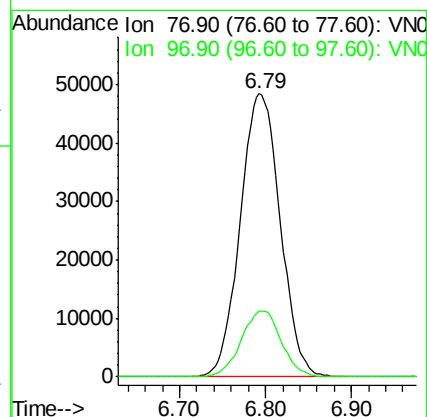
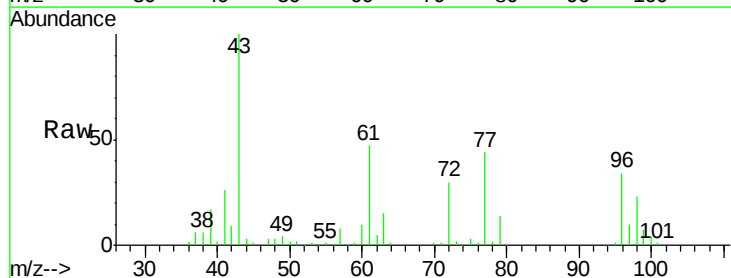
Acq: 21 Jan 2020 19:31

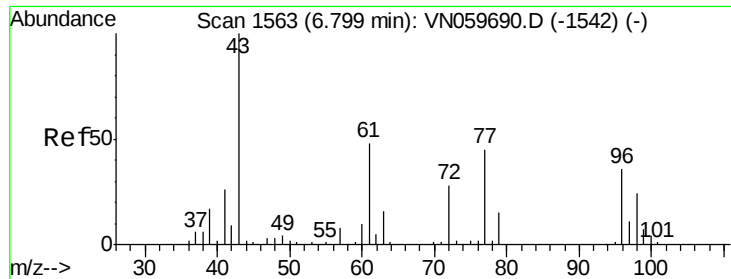
Tgt Ion: 77 Resp: 156459

Ion Ratio Lower Upper

77 100

97 23.3 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 52.359 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Instrument :

MSVOA_N

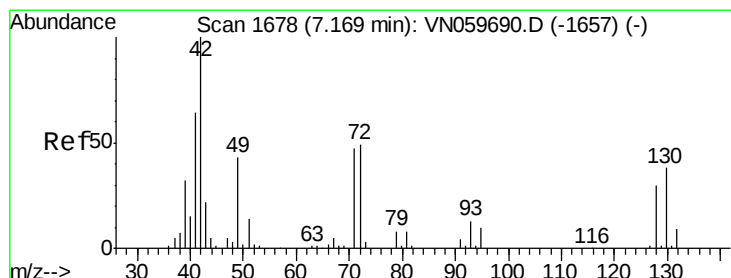
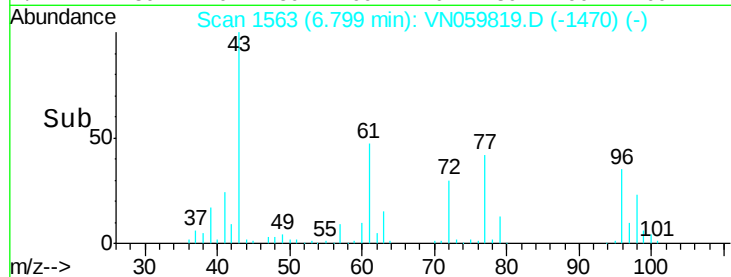
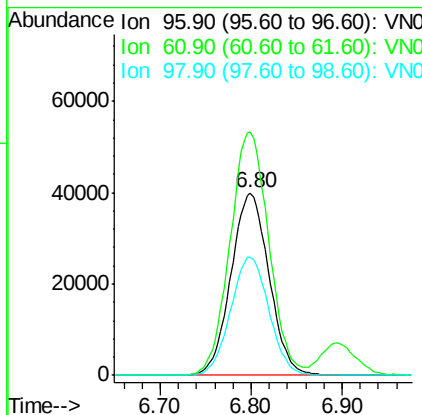
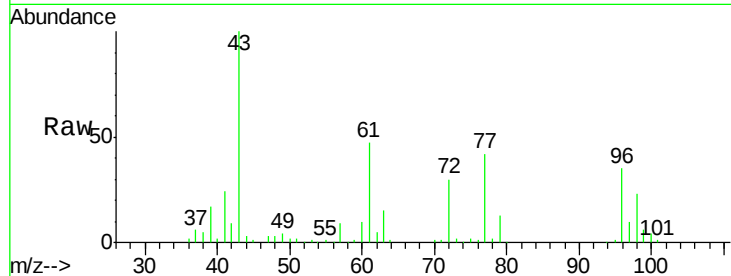
ClientSampled :

VSTDCCC050EC

Tot Ion:	96	Resp:	116075
Ion Ratio	Lower	Upper	
96	100		
61	135.9	0.0	317.6
98	65.2	0.0	127.0

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#28

Bromochloromethane

Concen: 49.610 ug/l

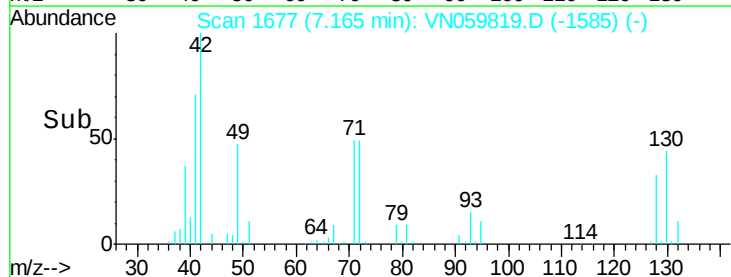
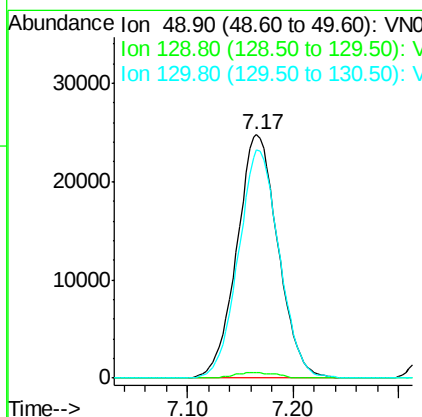
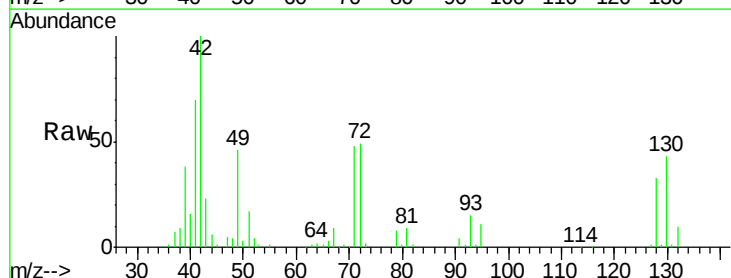
RT: 7.17 min Scan# 1677

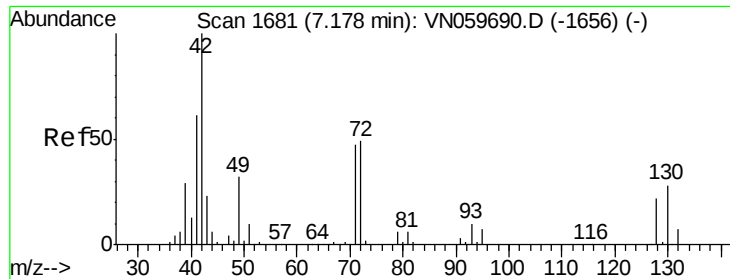
Delta R.T. -0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Tgt Ion:	49	Resp:	67104
Ion Ratio	Lower	Upper	
49	100		
129	2.3	0.0	3.4
130	92.8	54.7	82.1#





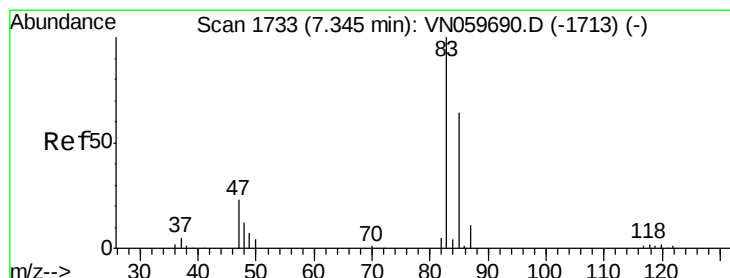
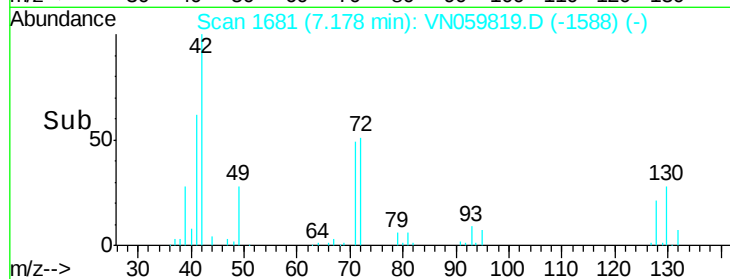
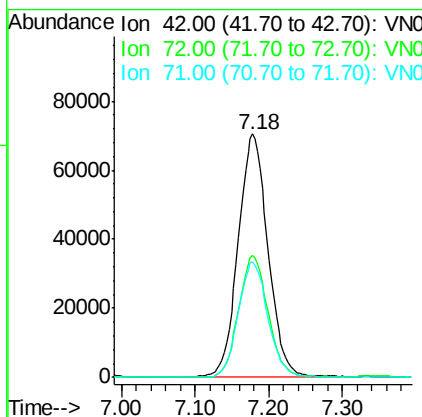
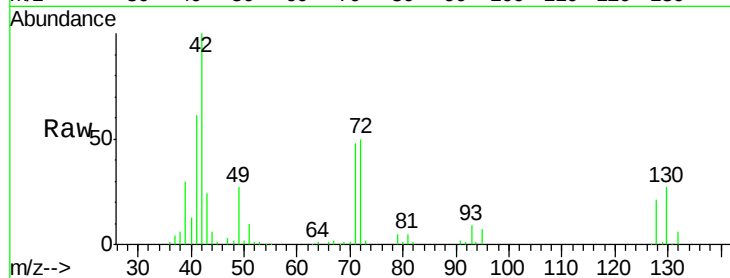
#29
Tetrahydrofuran
Concen: 258.206 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.5	33.1	49.7
71	46.7	31.4	47.0

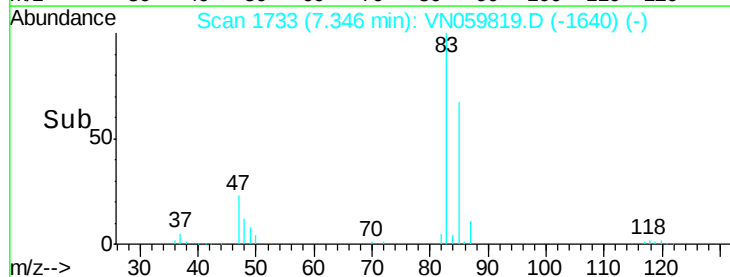
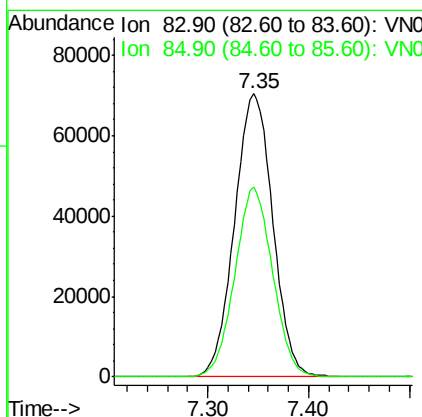
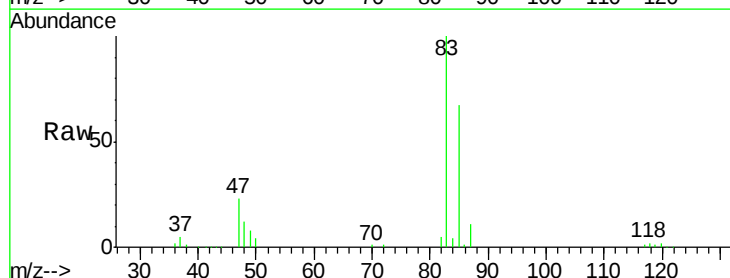
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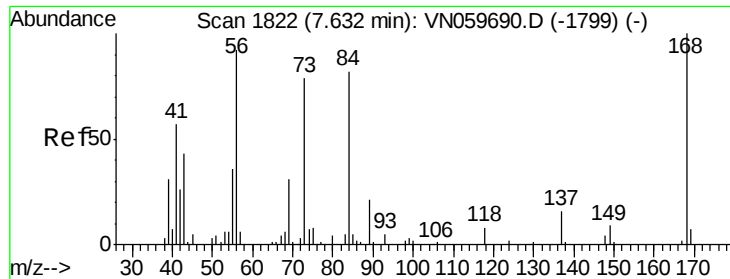
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#30
Chloroform
Concen: 52.790 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	52.4	78.6





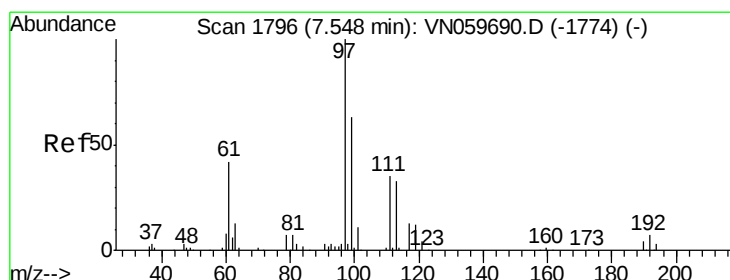
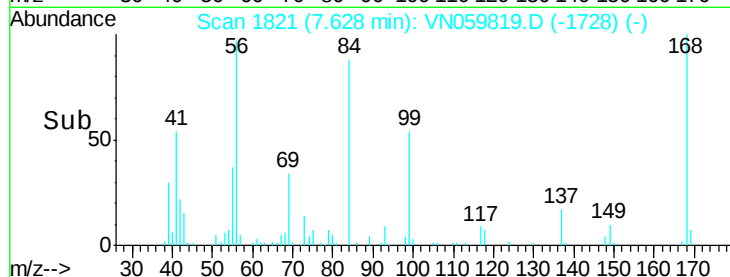
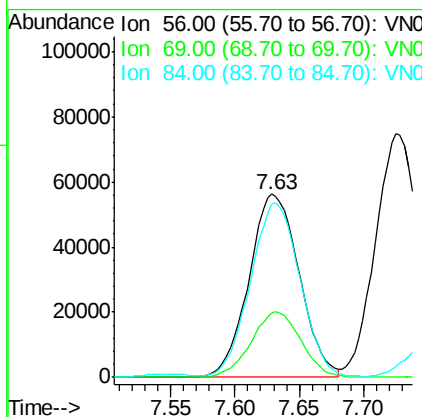
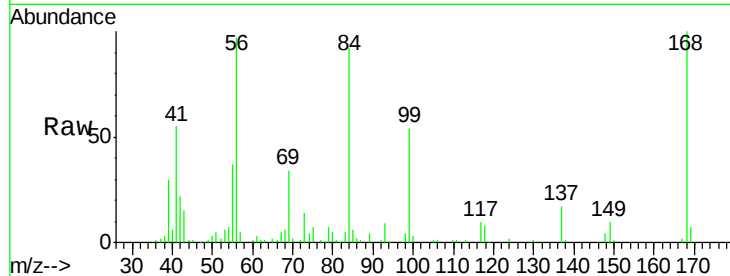
#31
Cyclohexane
Concen: 46.928 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.2	26.5	39.7
84	93.2	65.3	97.9

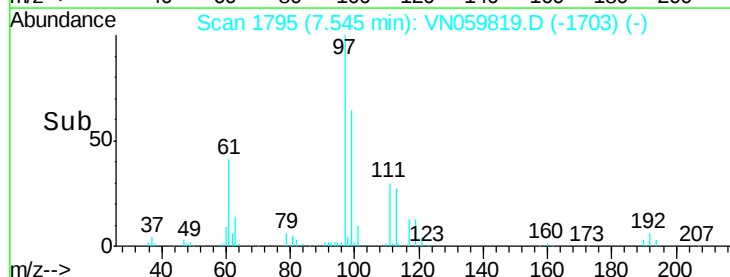
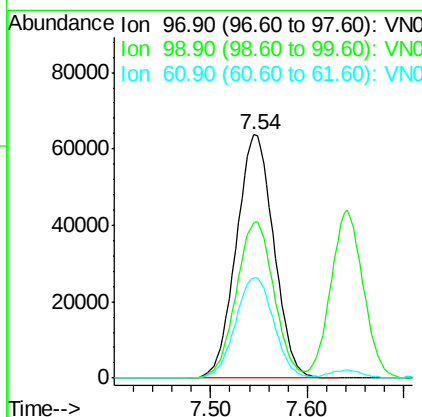
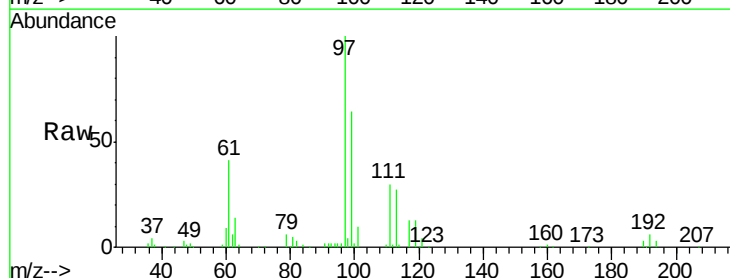
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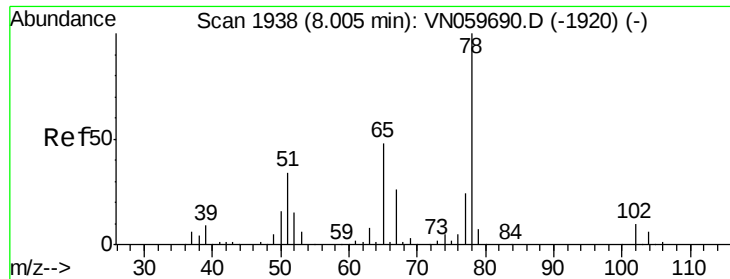
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#32
1,1,1-Trichloroethane
Concen: 52.939 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.0	76.4
61	42.1	38.5	57.7





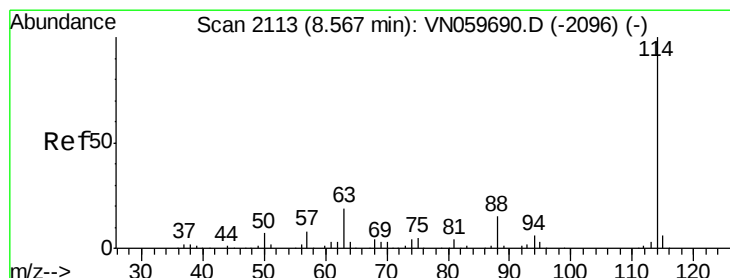
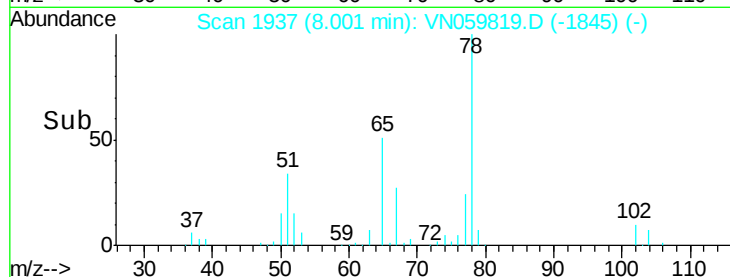
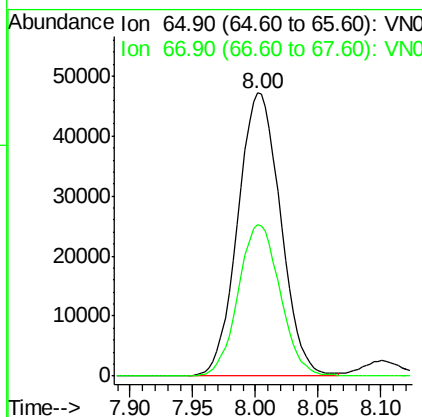
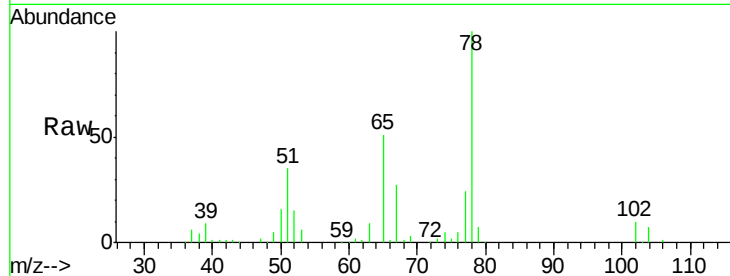
#33
 1,2-Dichloroethane-d4
 Concen: 50.931 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059819.D
 Acq: 21 Jan 2020 19:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.4	0.0	103.0	

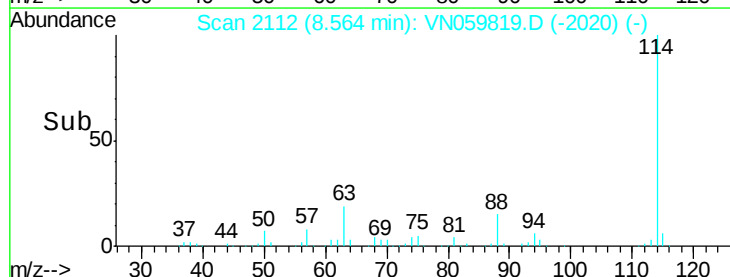
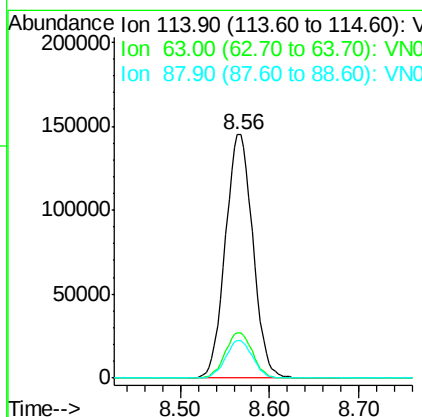
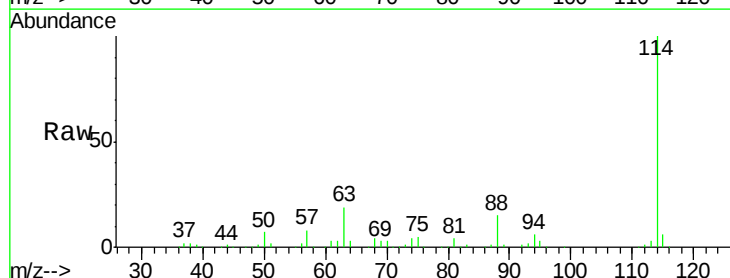
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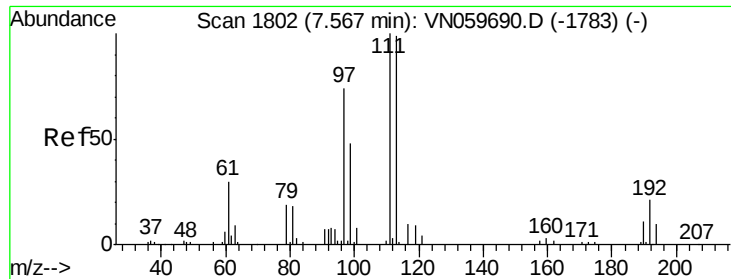
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059819.D
 Acq: 21 Jan 2020 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.8	0.0	43.6	
88	15.4	0.0	31.4	





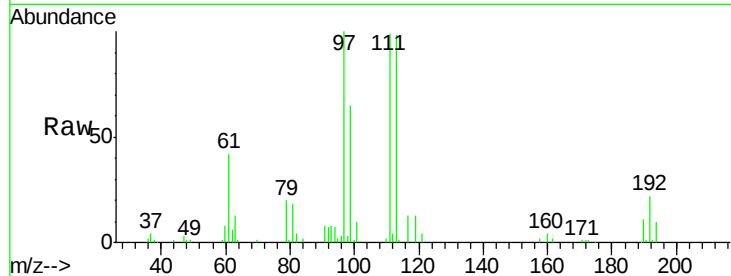
#35
Dibromofluoromethane
Concen: 50.864 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.5	125.3
192	21.4	15.4	23.2

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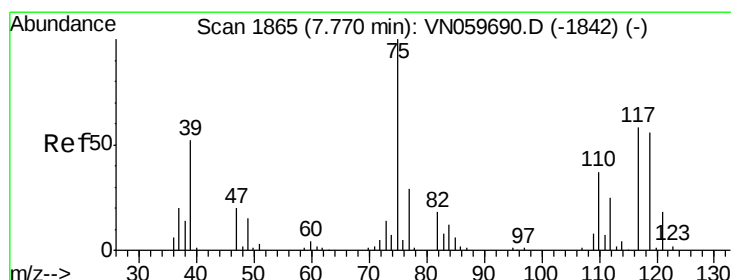
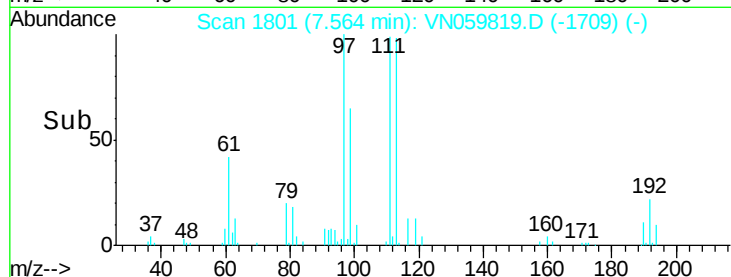
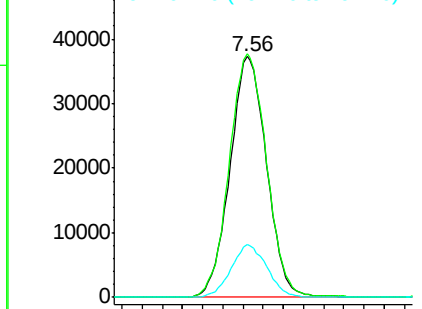


Abundance

Ion 112.80 (112.50 to 113.50): V

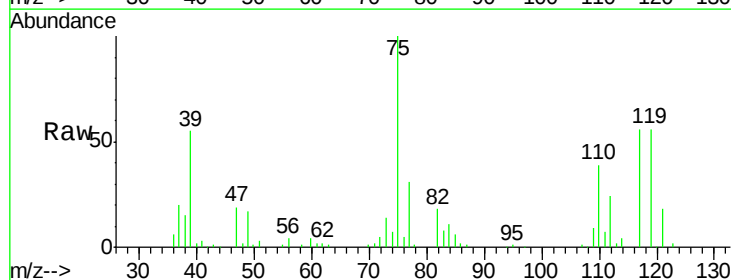
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
1,1-Dichloropropene
Concen: 49.787 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.6	16.6	49.7
77	31.5	25.1	37.7

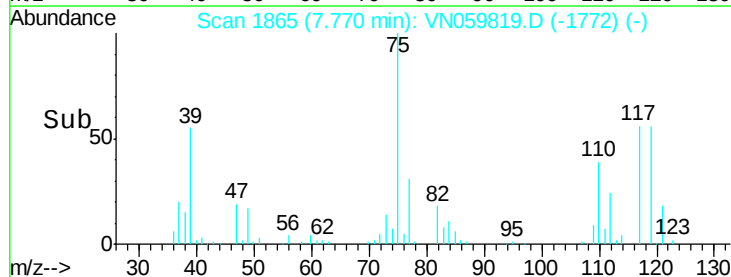
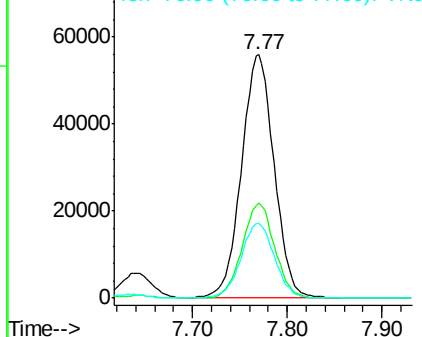


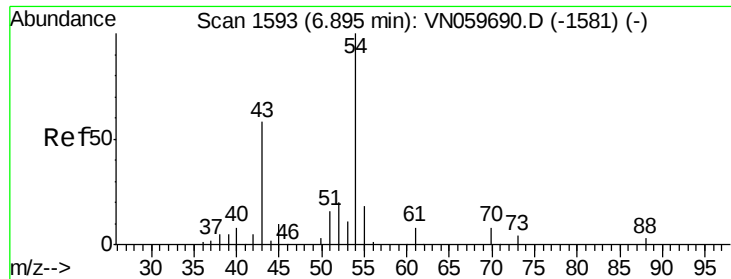
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





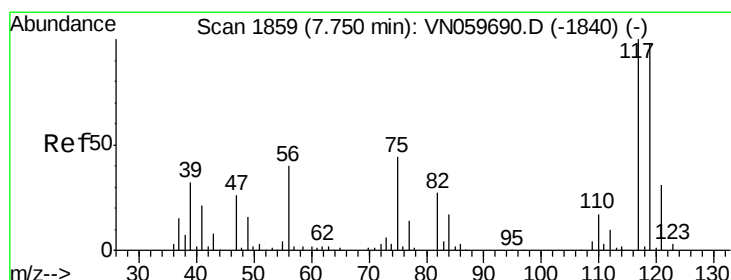
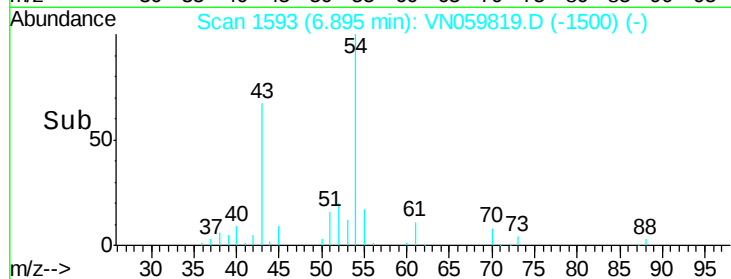
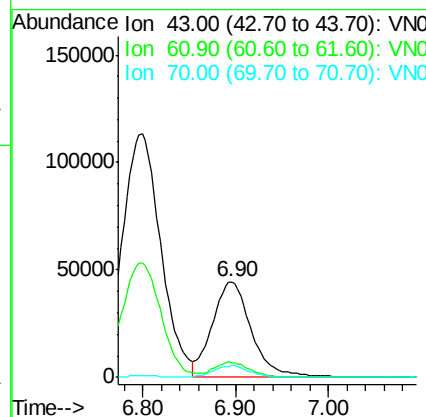
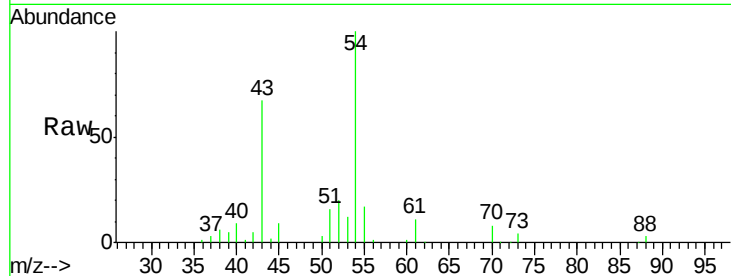
#37
Ethyl Acetate
Concen: 50.505 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	10.9	16.3
70	11.4	7.7	11.5

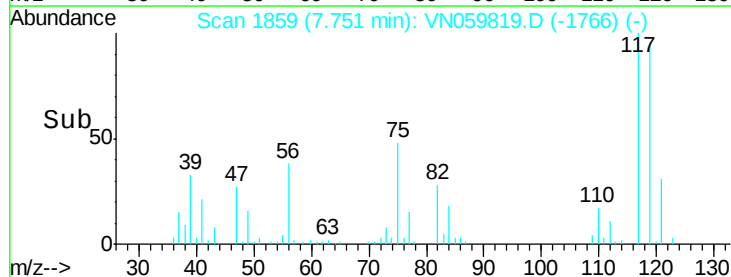
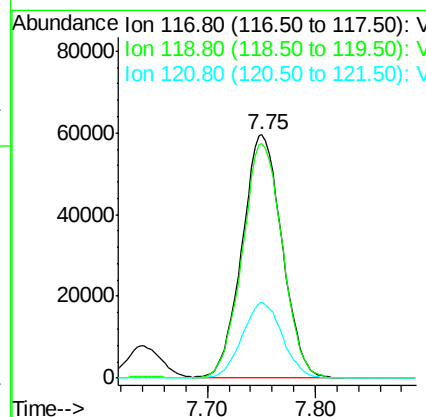
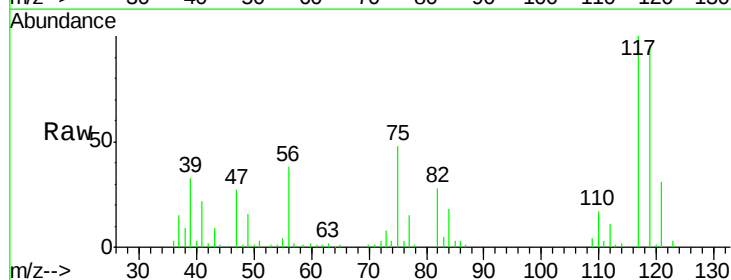
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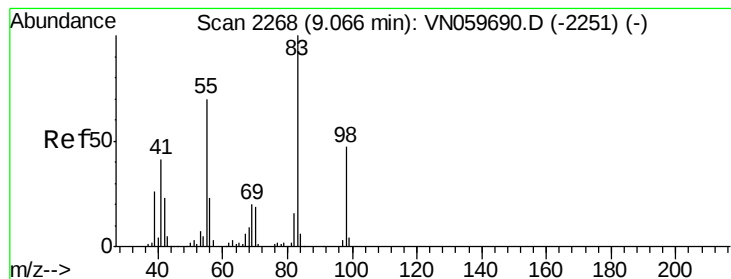
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#38
Carbon Tetrachloride
Concen: 52.489 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.5	114.7
121	31.3	25.1	37.7





#39

Methvlcvclohexane

Concen: 48.813 ug/l

RT: 9.06 min Scan# 2267

Delta R.T. -0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Instrument :

MSVOA_N

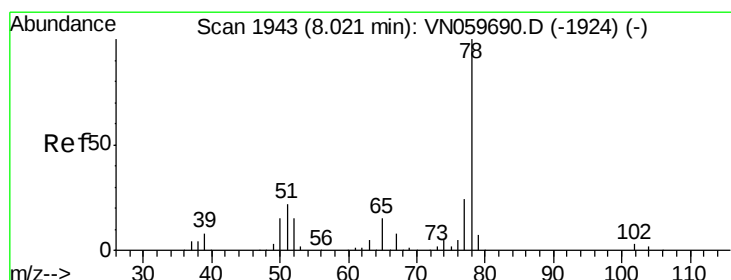
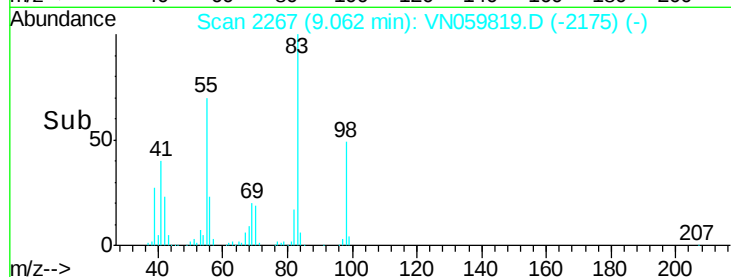
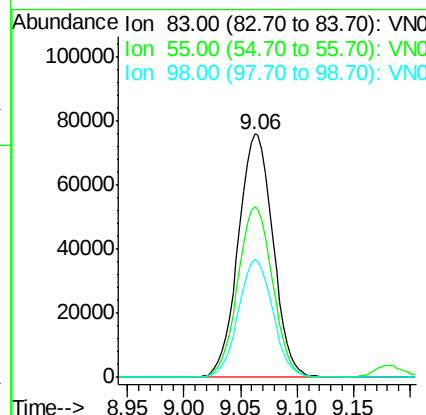
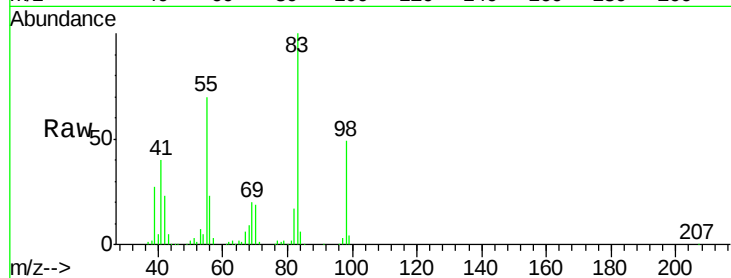
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	162134
Ion Ratio	Lower	Upper	
83	100		
55	70.3	64.2	96.2
98	48.6	35.9	53.9

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#40

Benzene

Concen: 50.534 ug/l

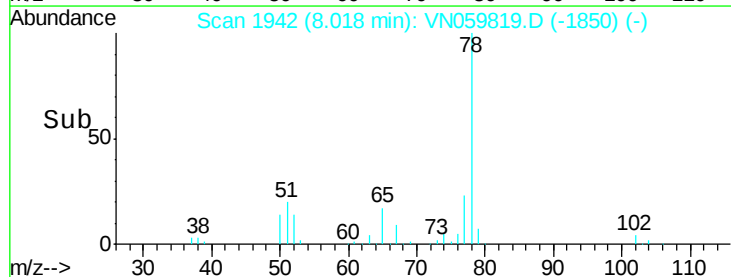
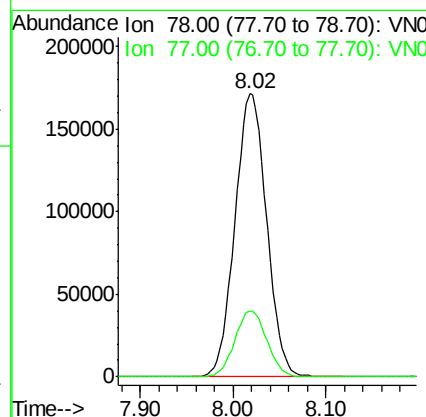
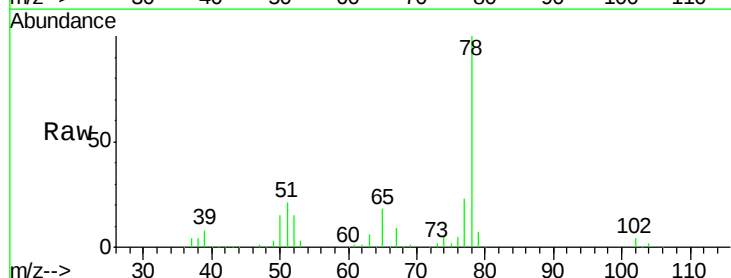
RT: 8.02 min Scan# 1942

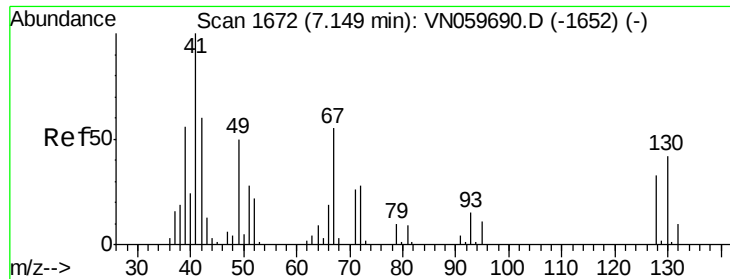
Delta R.T. -0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Tgt Ion:	78	Resp:	405982
Ion Ratio	Lower	Upper	
78	100		
77	23.3	18.9	28.3





#41

Methacrylonitrile

Concen: 48.238 ug/l m

RT: 7.15 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 60030

Ion Ratio Lower Upper

41 100

39 162.9 0.0 0.0#

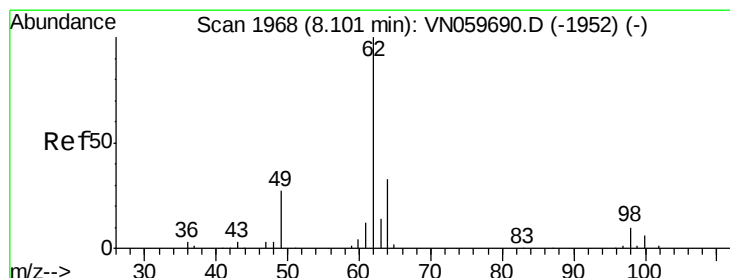
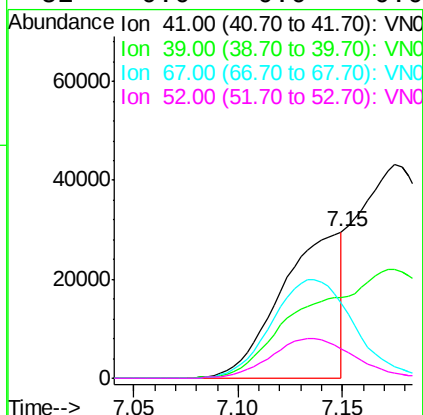
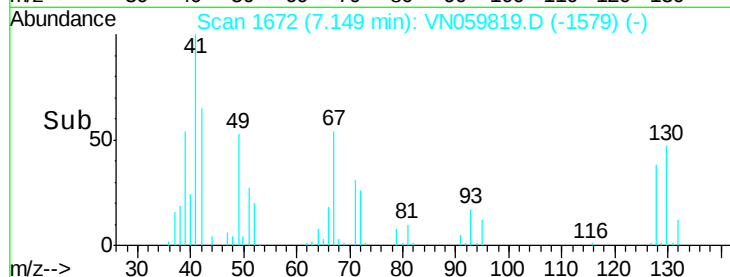
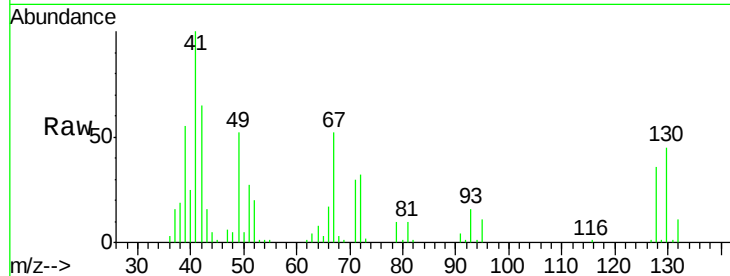
67 0.0 0.0 0.0

52 0.0 0.0 0.0

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#42

1,2-Dichloroethane

Concen: 53.072 ug/l

RT: 8.10 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VN059819.D

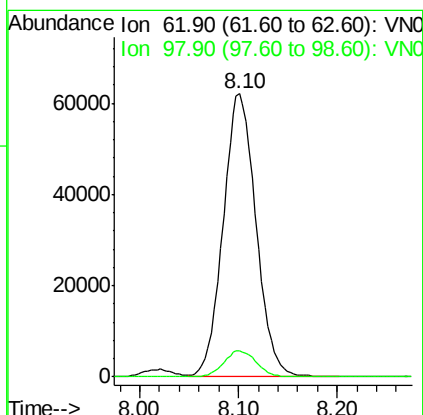
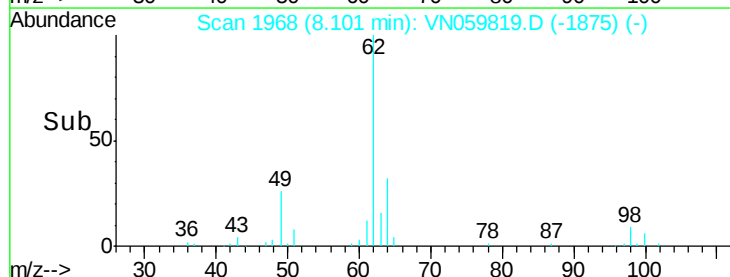
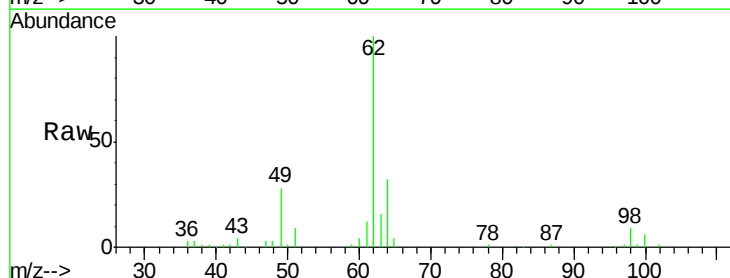
Acq: 21 Jan 2020 19:31

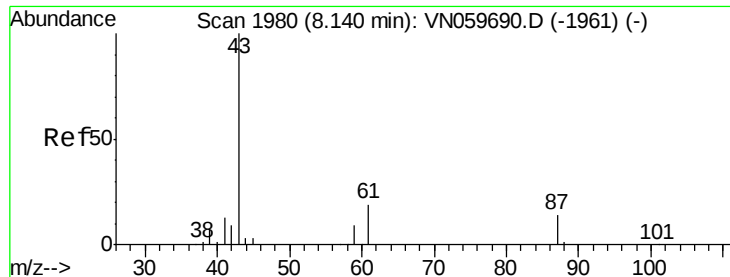
Tgt Ion: 62 Resp: 144564

Ion Ratio Lower Upper

62 100

98 9.1 0.0 15.8





#43

Isopropyl Acetate

Concen: 50.584 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Instrument :

MSVOA_N

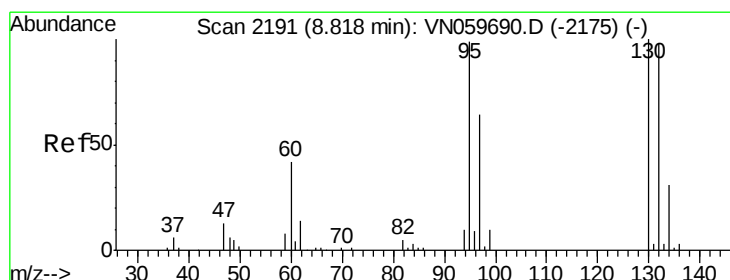
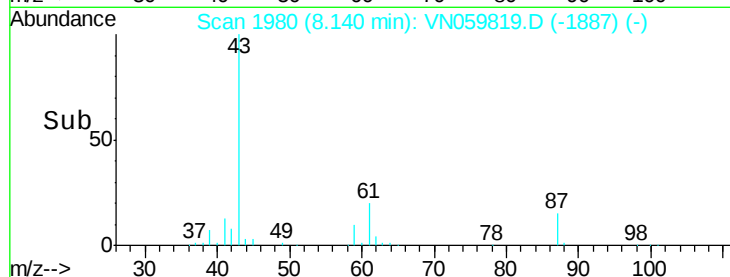
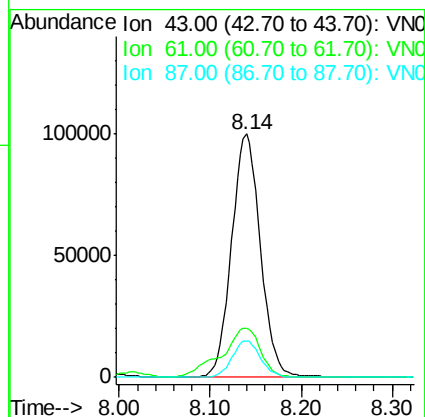
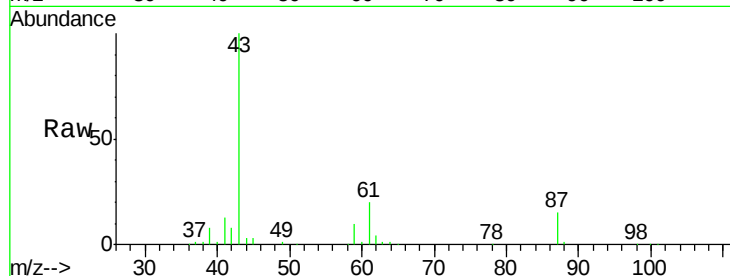
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	219825
Ion	Ratio	Lower	Upper
43	100		
61	27.6	20.2	30.2
87	14.7	9.5	14.3#

Manual Integrations
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#44

Trichloroethene

Concen: 54.667 ug/l

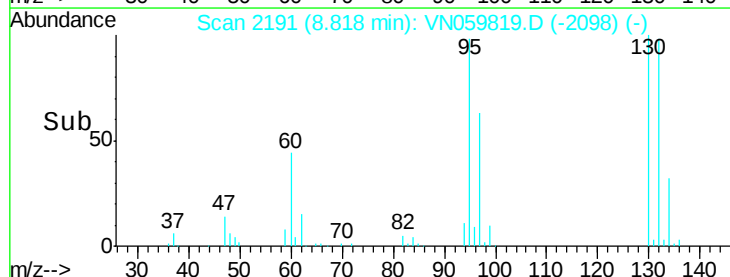
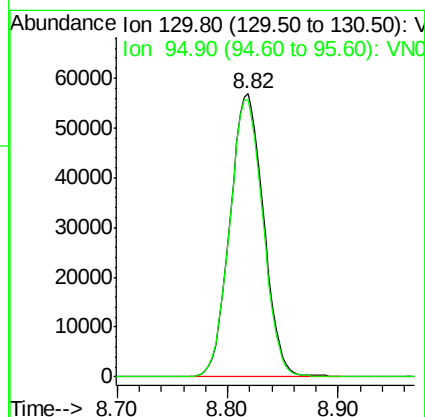
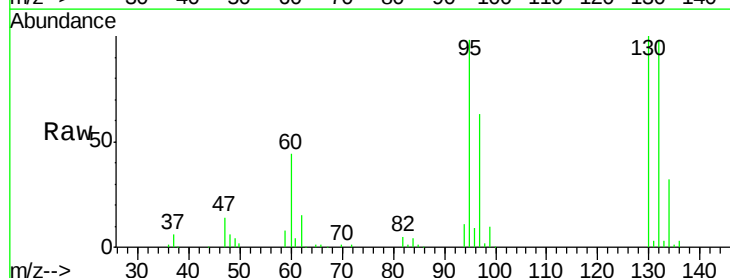
RT: 8.82 min Scan# 2191

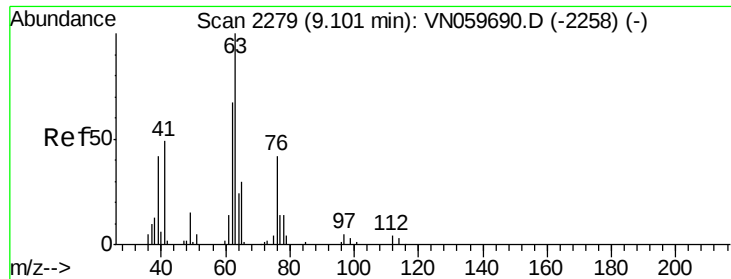
Delta R.T. 0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Tgt Ion:	130	Resp:	119894
Ion	Ratio	Lower	Upper
130	100		
95	97.9	0.0	207.0





#45

1,2-Dichloropropane

Concen: 52.317 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 104005

Ion Ratio Lower Upper

63 100

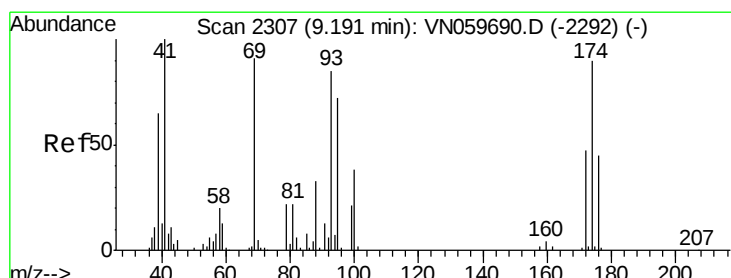
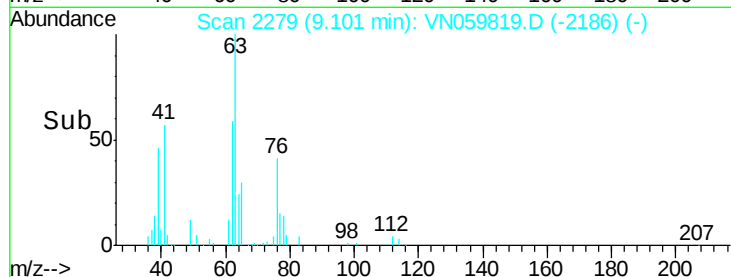
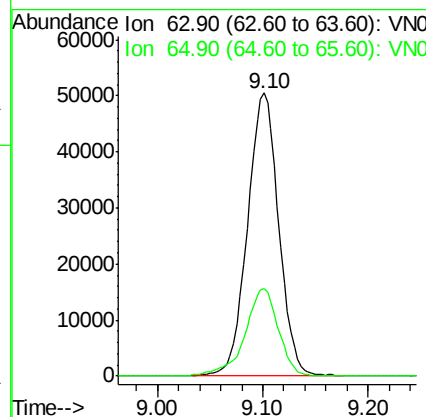
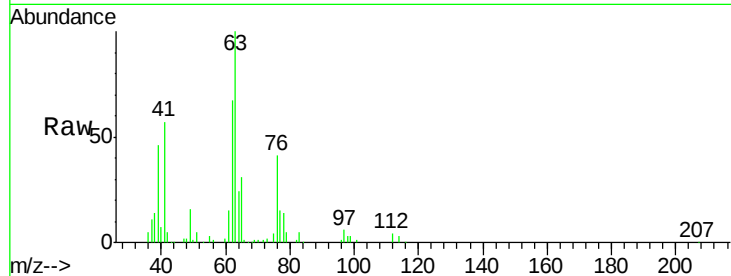
65 30.9 24.9 37.3

Manual Integrations

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#46

Dibromomethane

Concen: 52.709 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

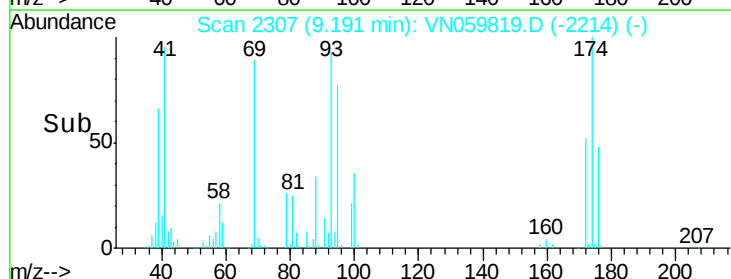
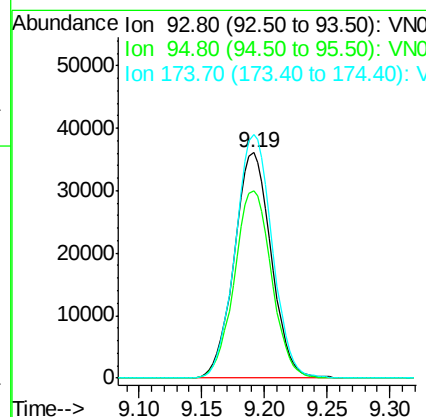
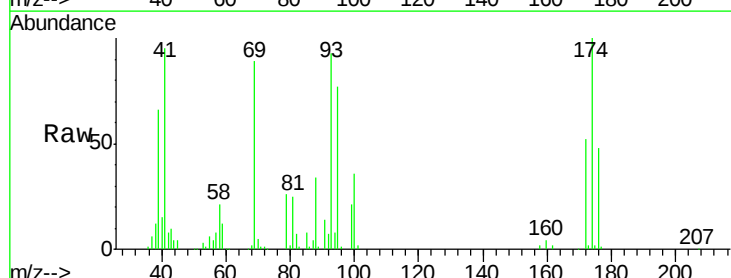
Tgt Ion: 93 Resp: 73916

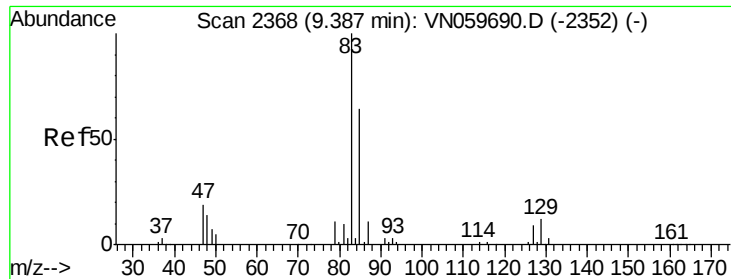
Ion Ratio Lower Upper

93 100

95 83.7 67.0 100.6

174 107.7 73.4 110.2





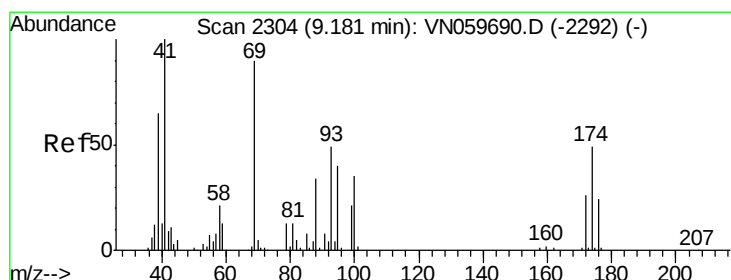
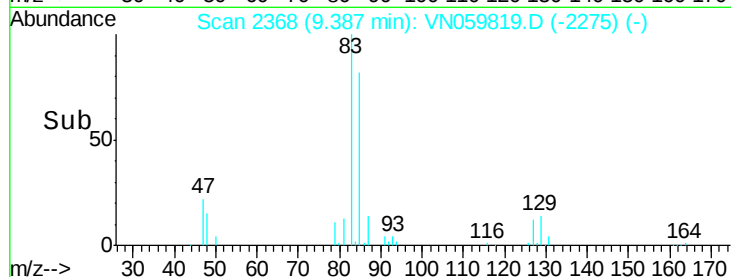
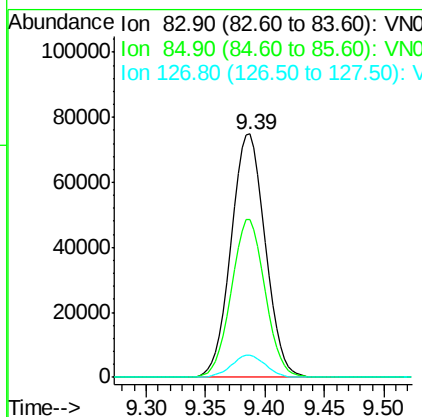
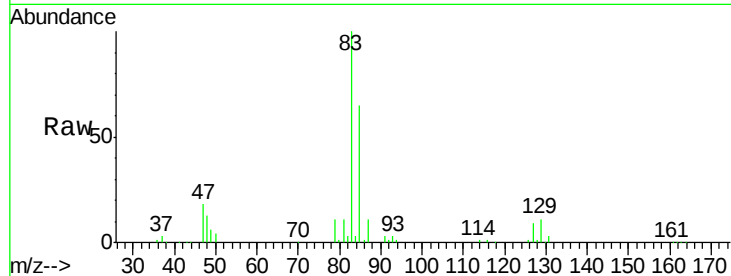
#47
Bromodichloromethane
Concen: 52.767 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	149116
Ion Ratio	100		
83	100		
85	64.9	51.1	76.7
127	9.2	6.6	9.8

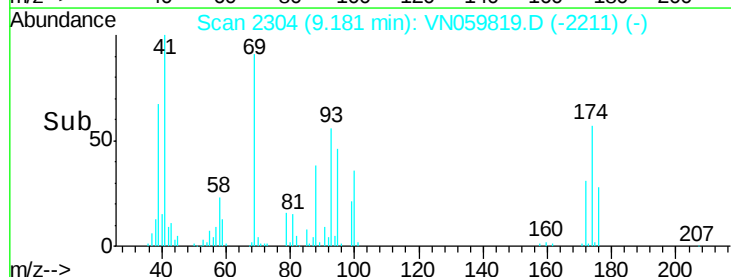
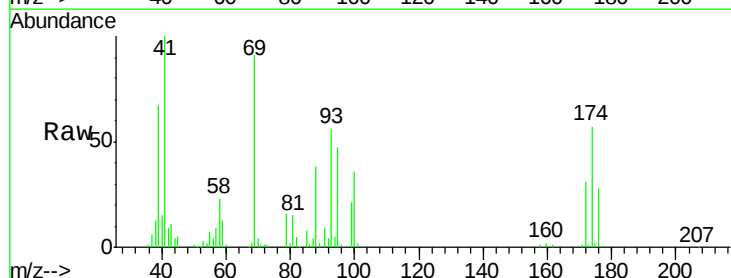
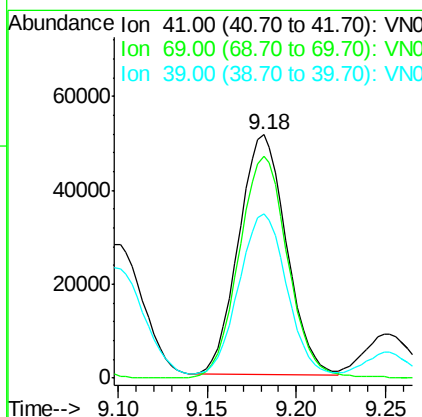
Manual Integrations
APPROVED

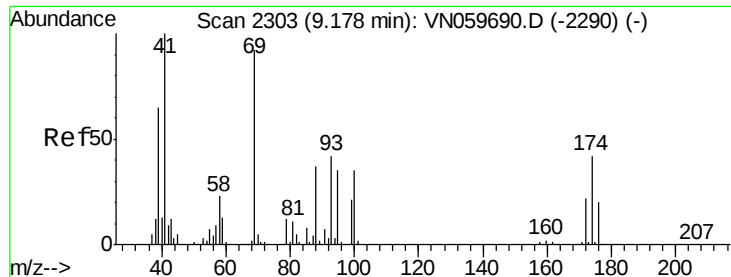
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#48
Methyl methacrylate
Concen: 49.047 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Tgt Ion	41	Resp	95339
Ion Ratio	100		
41	100		
69	95.2	64.4	96.6
39	67.3	51.3	76.9





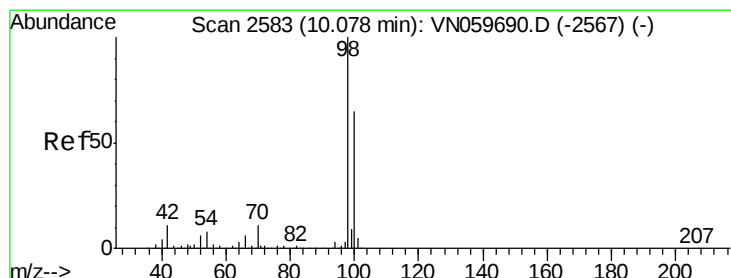
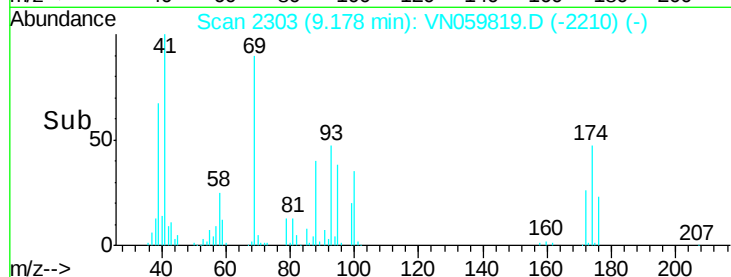
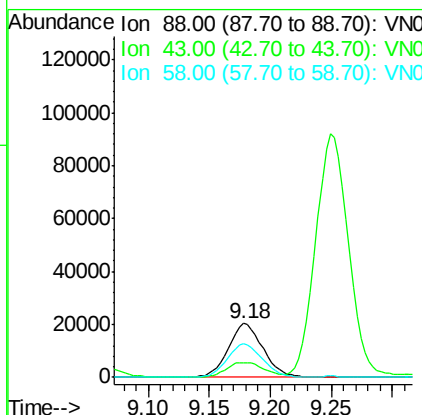
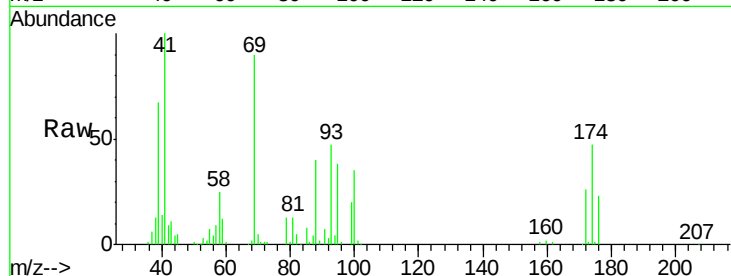
#49
1,4-Dioxane
Concen: 1135.456 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.5	29.7	44.5
58	62.6	56.6	85.0

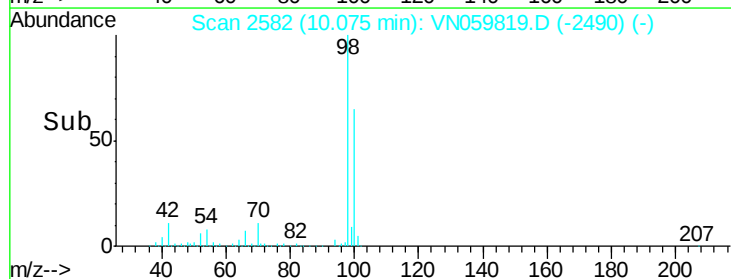
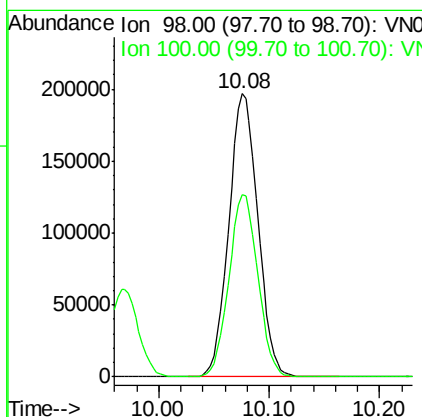
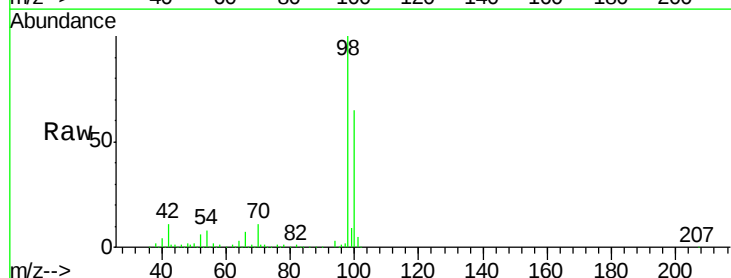
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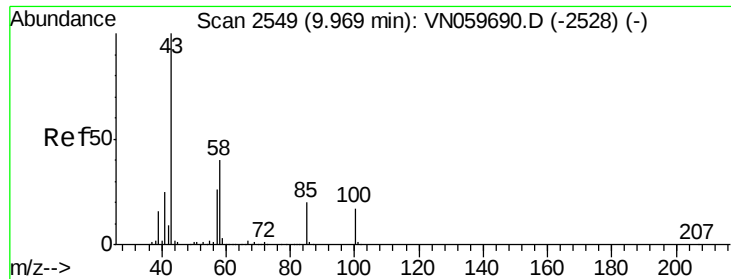
MMDadoda
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#50
Toluene-d8
Concen: 50.351 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.2	76.8





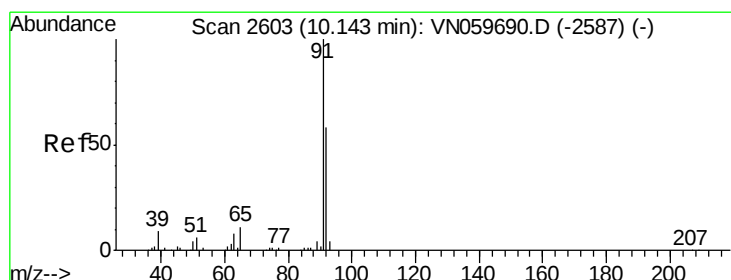
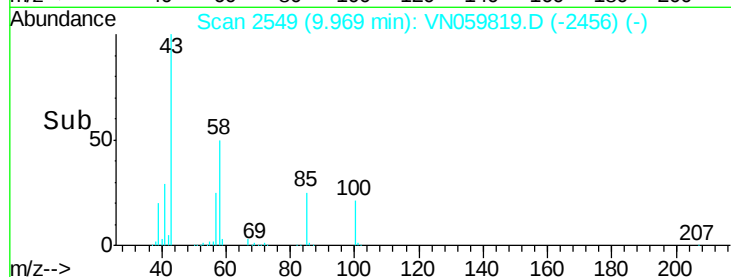
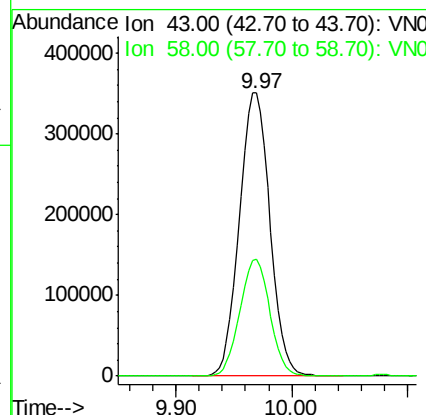
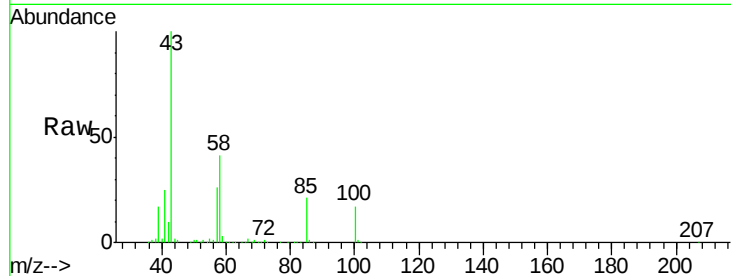
#51
4-Methyl-2-Pentanone
Concen: 254.973 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.6	29.8	44.8

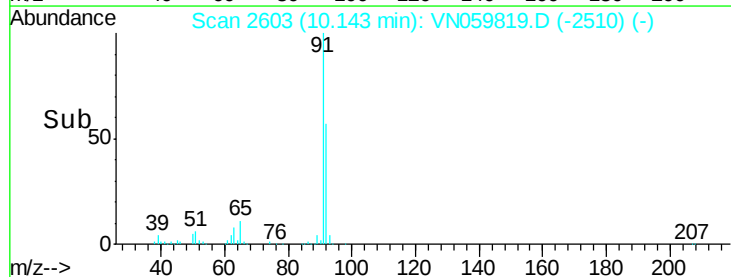
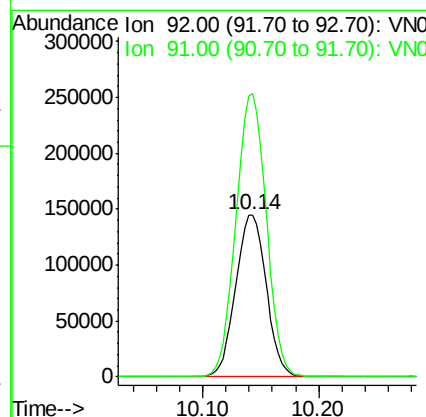
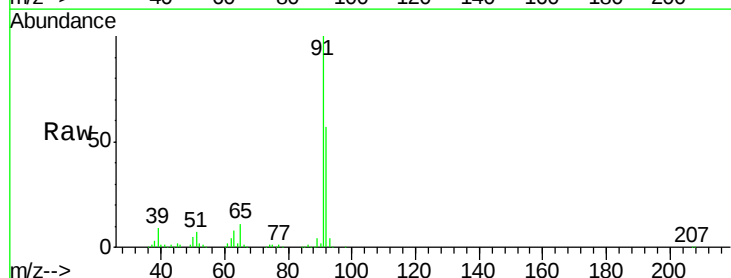
Manual Integrations
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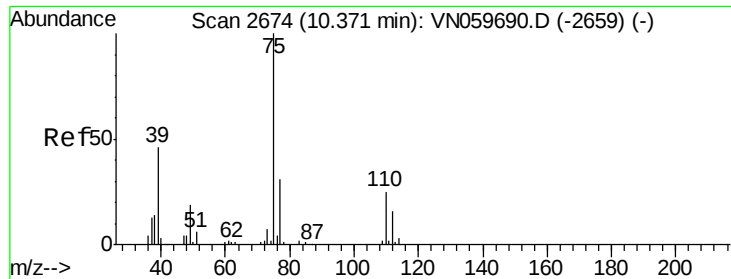
MMDadoda
1/22/2020 11:15:21 AM



#52
Toluene
Concen: 51.935 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.1	140.4	210.6





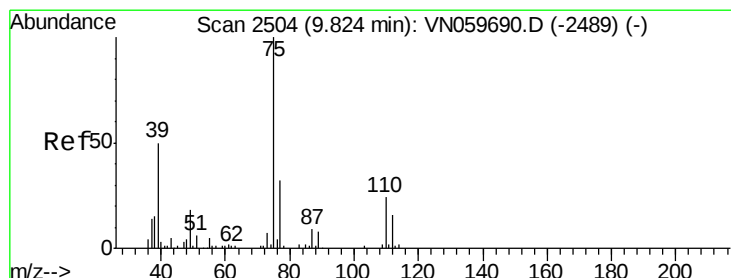
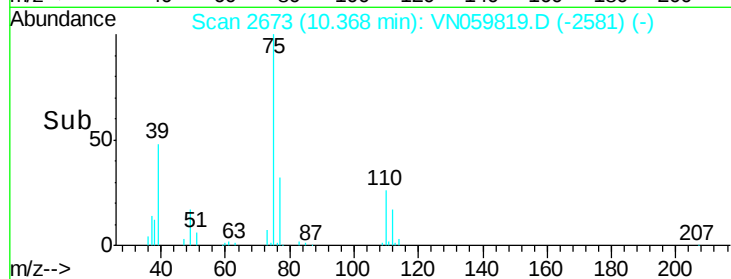
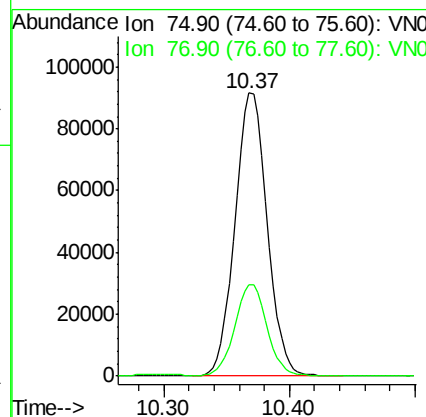
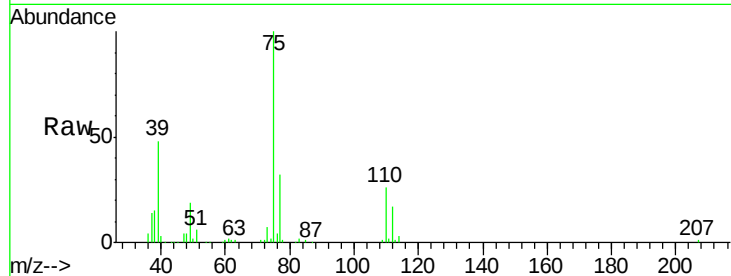
#53
t-1,3-Dichloropropene
Concen: 51.750 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.2

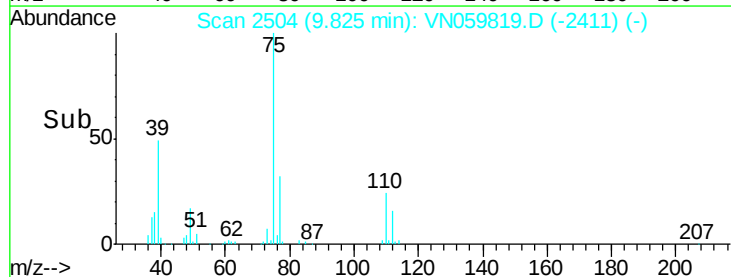
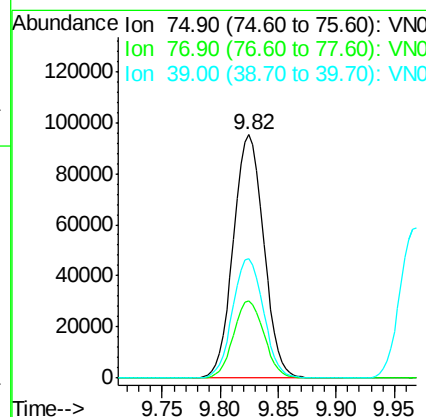
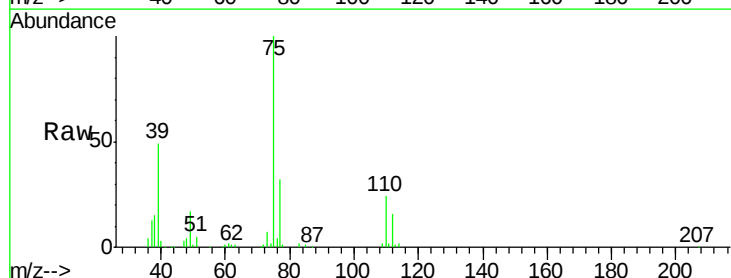
Manual Integrations
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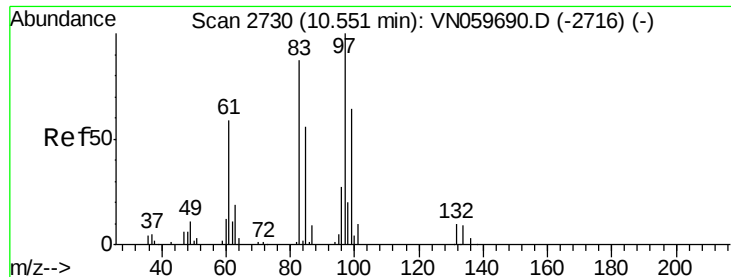
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#54
cis-1,3-Dichloropropene
Concen: 52.335 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.1	37.7
39	49.2	46.1	69.1





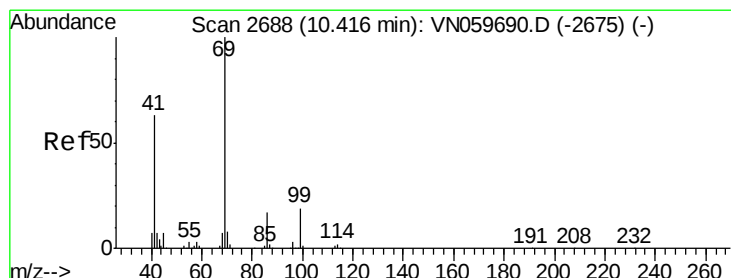
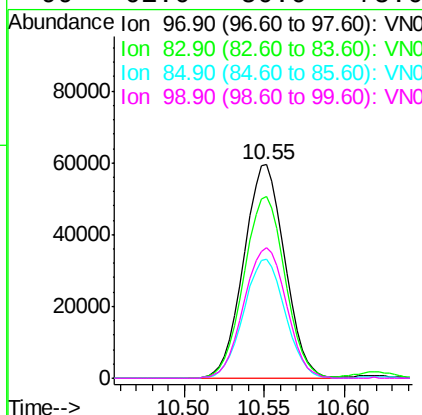
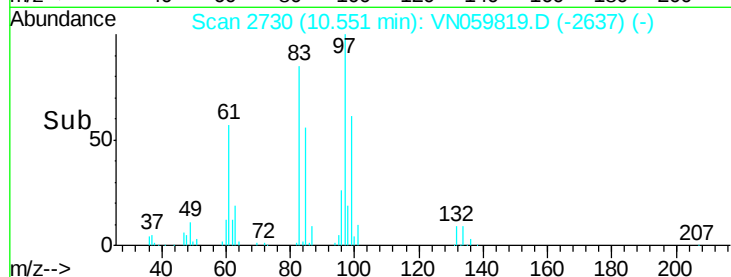
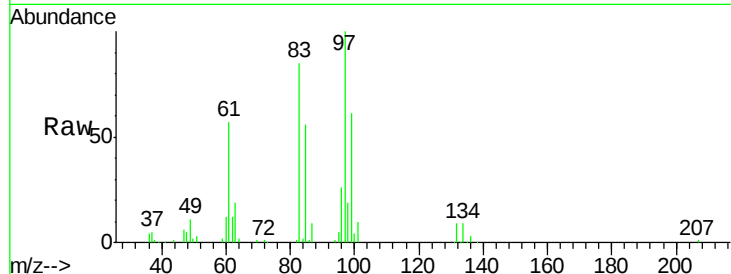
#55
 1,1,2-Trichloroethane
 Concen: 52.084 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059819.D
 Acq: 21 Jan 2020 19:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
97	100	104679		
83	85.0	71.3	106.9	
85	55.6	45.8	68.8	
99	61.0	50.0	75.0	

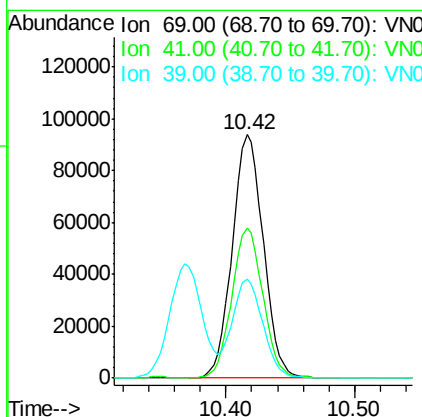
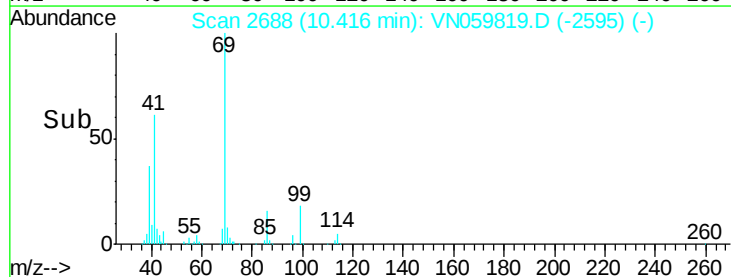
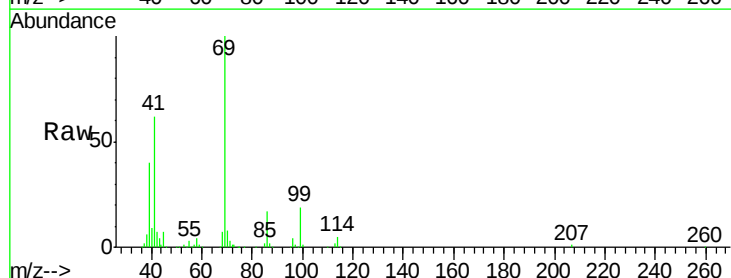
Manual Integrations
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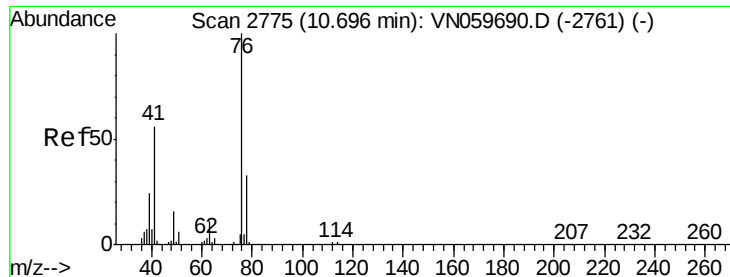
MMDadoda
 1/22/2020 11:15:21 AM



#56
 Ethyl methacrylate
 Concen: 51.239 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN059819.D
 Acq: 21 Jan 2020 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	157355		
41	61.0	57.1	85.7	
39	40.2	34.7	52.1	





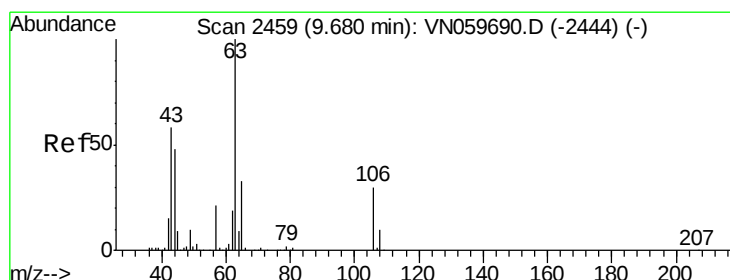
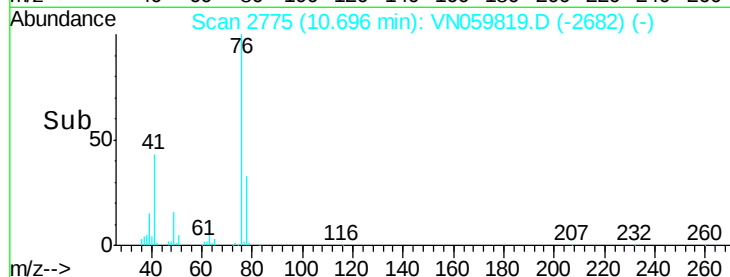
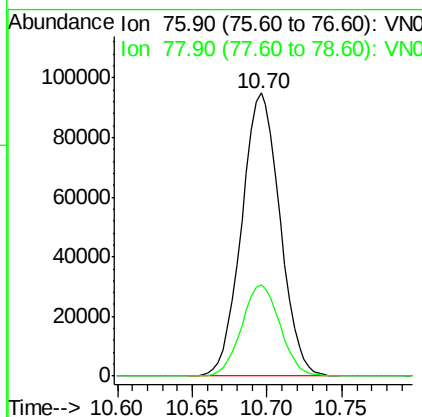
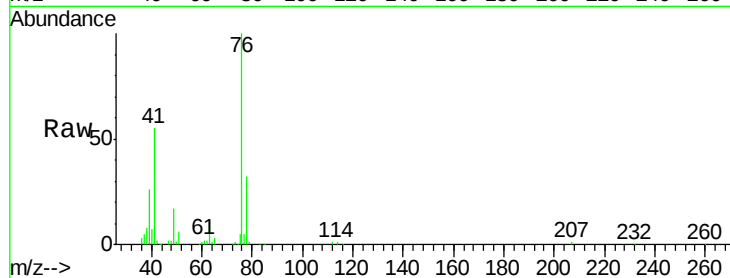
#57
 1,3-Dichloropropane
 Concen: 53.066 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN059819.D
 Acq: 21 Jan 2020 19:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 169325
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.8

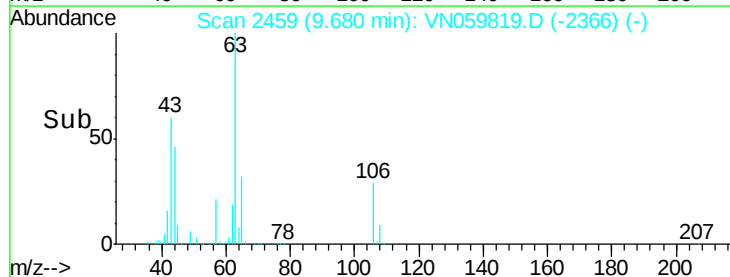
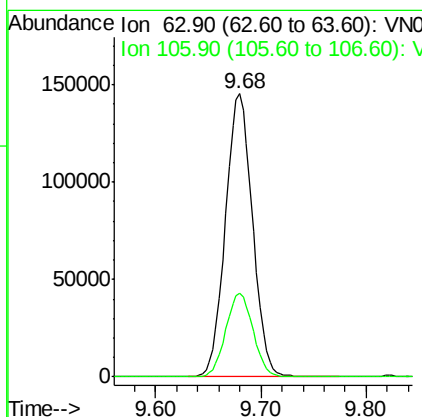
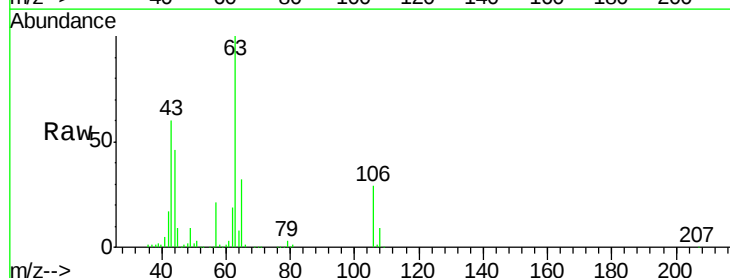
Manual Integrations
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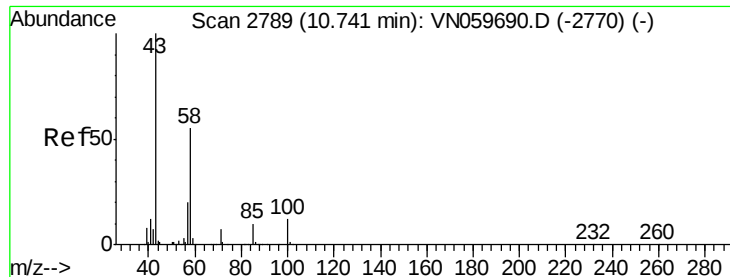
MMDadoda
 1/22/2020 11:15:21 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 278.603 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN059819.D
 Acq: 21 Jan 2020 19:31

Tgt Ion: 63 Resp: 257707
 Ion Ratio Lower Upper
 63 100
 106 29.7 20.2 30.2





#59

2-Hexanone

Concen: 265.363 ug/l

RT: 10.74 min Scan# 2789

Delta R.T. 0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 491111

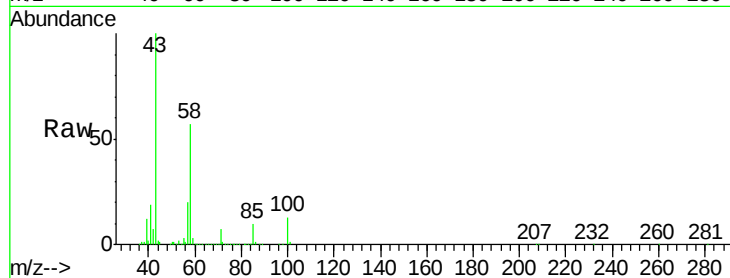
Ion Ratio Lower Upper

43 100

58 56.0 25.8 77.3

Manual Integrations
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1/22/2020 11:15:21 AM



Abundance Ion 43.00 (42.70 to 43.70): VN059819.D (-2696) (-)

Ion 58.00 (57.70 to 58.70): VN059819.D (-2696) (-)

10.74

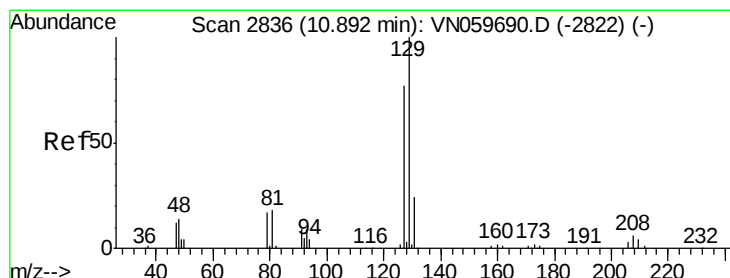
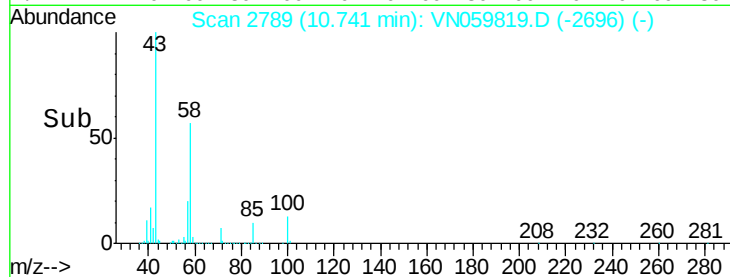
300000

200000

100000

0

Time--> 10.60 10.70 10.80



#60

Dibromochloromethane

Concen: 54.119 ug/l

RT: 10.89 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN059819.D

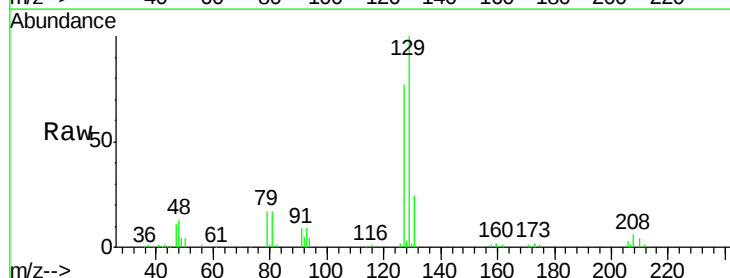
Acq: 21 Jan 2020 19:31

Tgt Ion: 129 Resp: 123862

Ion Ratio Lower Upper

129 100

127 76.6 38.5 115.5



Abundance Ion 128.80 (128.50 to 129.50): VN059819.D (-2743) (-)

Ion 126.80 (126.50 to 127.50): VN059819.D (-2743) (-)

10.89

80000

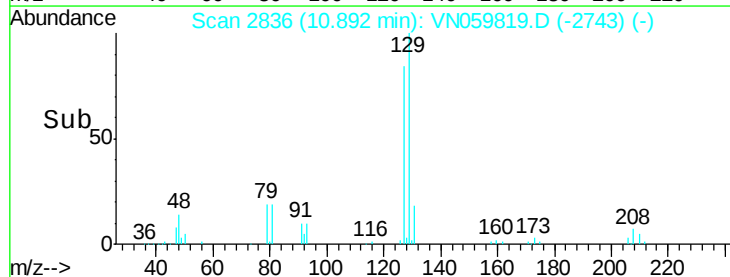
60000

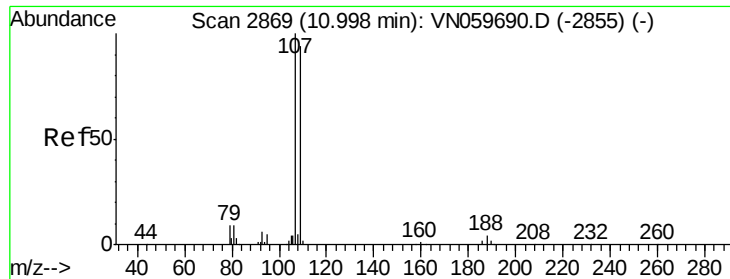
40000

20000

0

Time--> 10.80 10.85 10.90 10.95





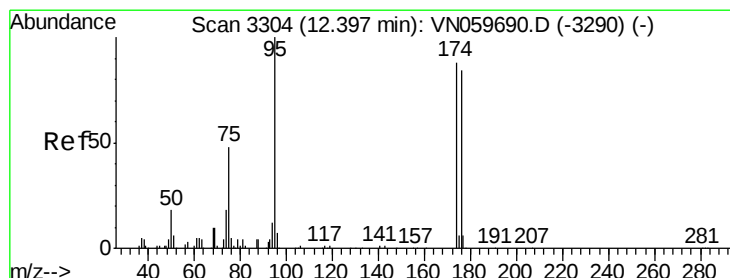
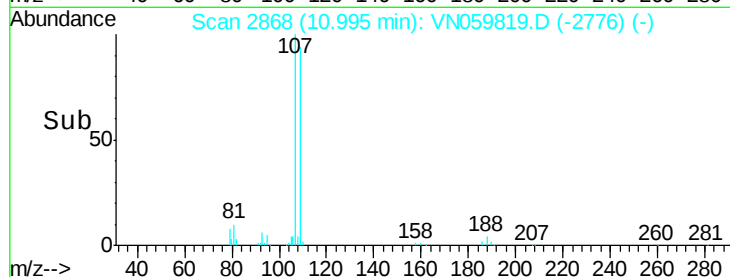
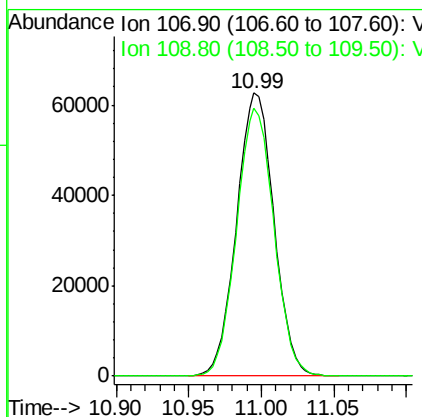
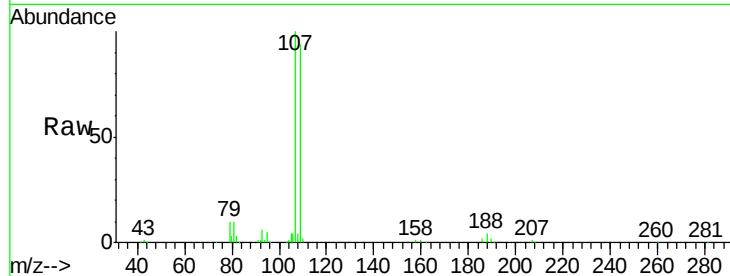
#61
 1,2-Dibromoethane
 Concen: 53.399 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN059819.D
 Acq: 21 Jan 2020 19:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	76.6	115.0

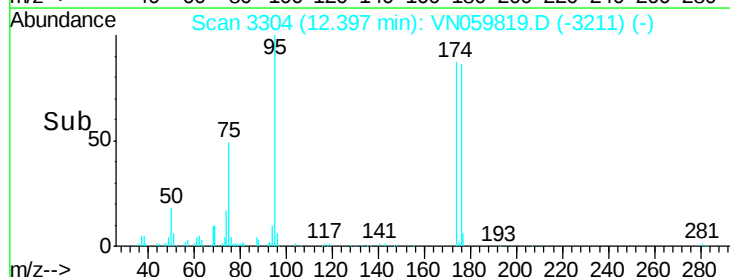
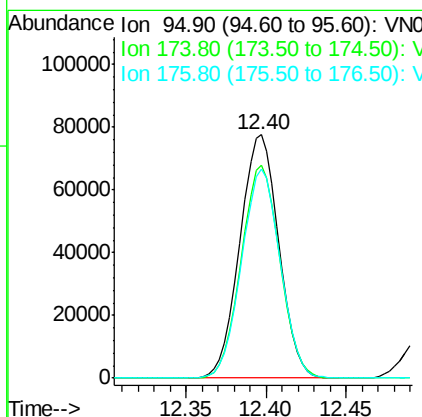
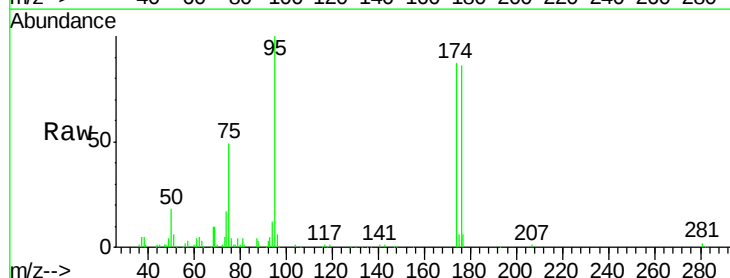
Manual Integrations
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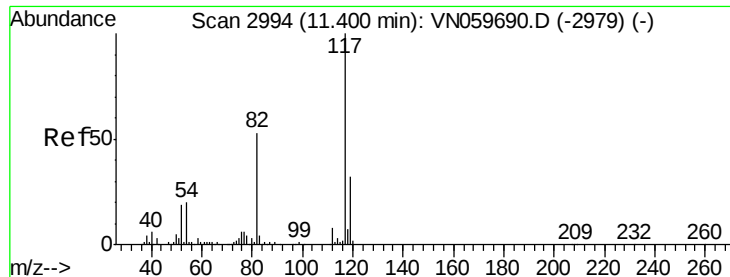
MMDadoda
 1/22/2020 11:15:21 AM



#62
 4-Bromofluorobenzene
 Concen: 50.016 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059819.D
 Acq: 21 Jan 2020 19:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.9	0.0	151.4
176	85.4	0.0	146.0





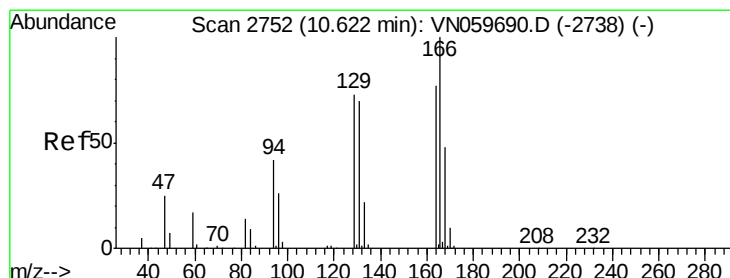
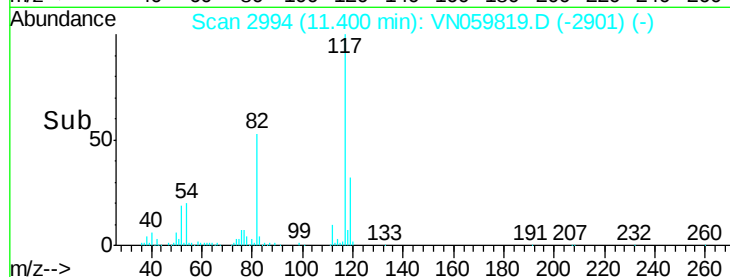
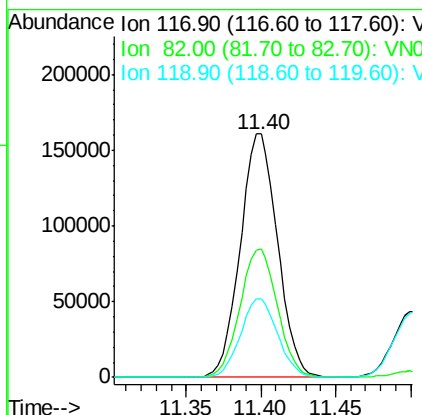
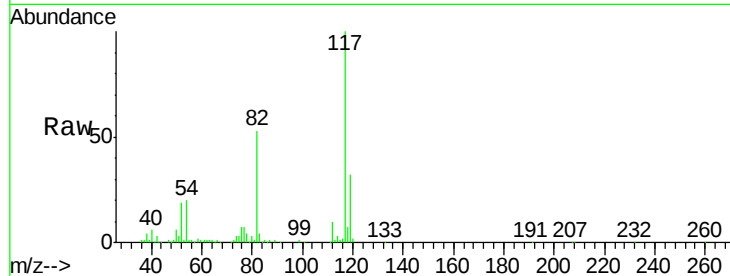
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	45.9	68.9
119	32.4	25.5	38.3

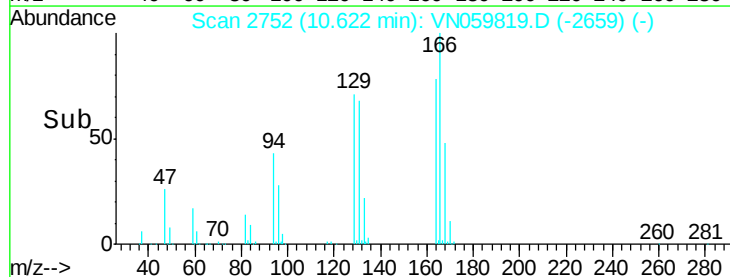
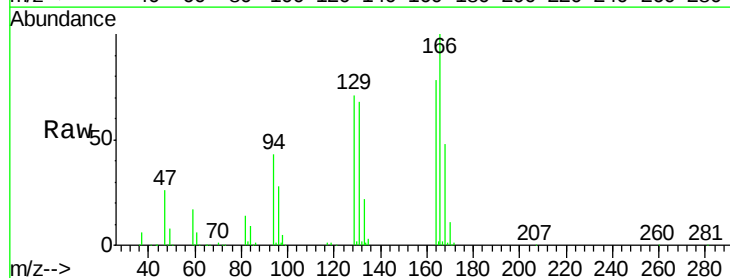
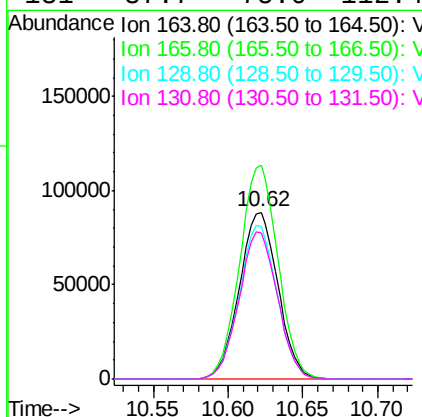
Manual Integrations
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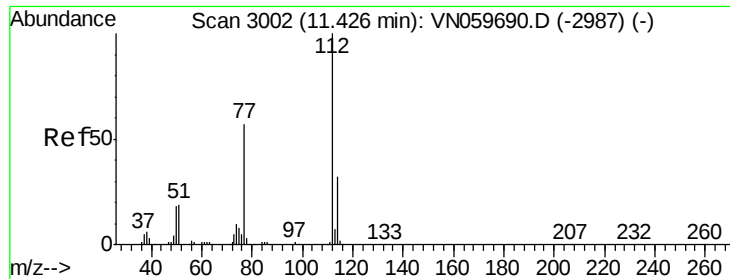
MMDadoda
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#64
Tetrachloroethene
Concen: 69.730 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	101.4	152.0
129	91.3	80.2	120.4
131	87.7	75.0	112.4





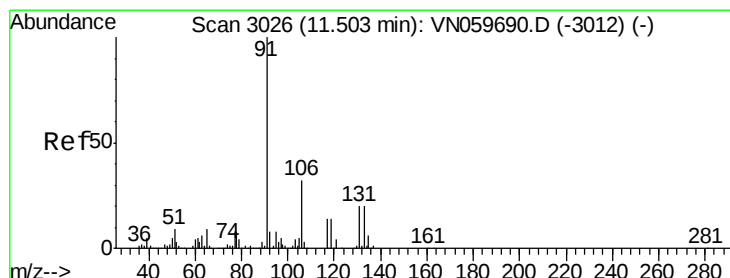
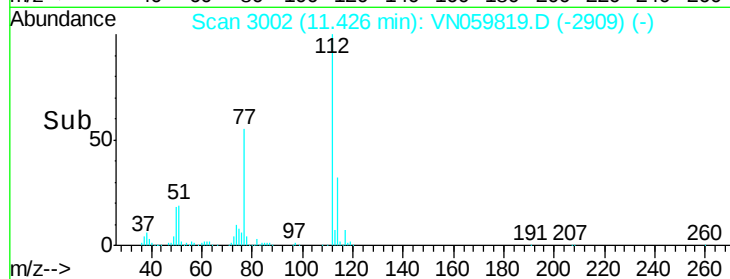
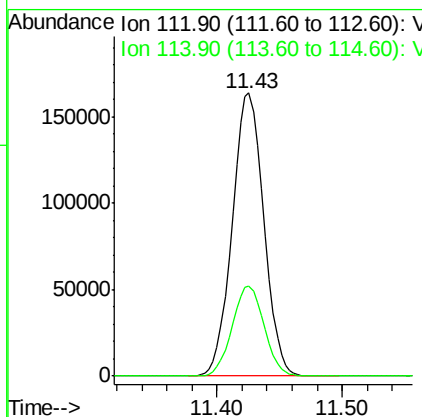
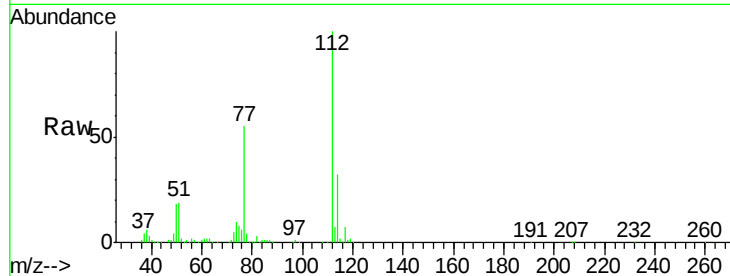
#65
Chlorobenzene
Concen: 52.086 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 285673
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.8

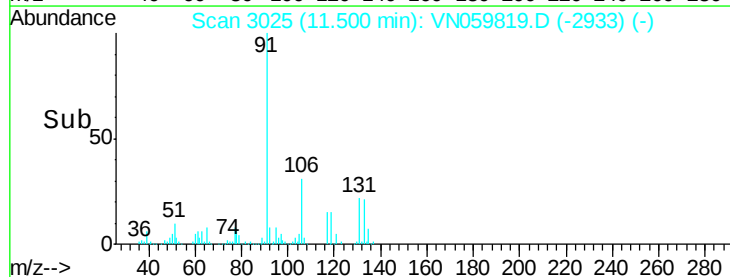
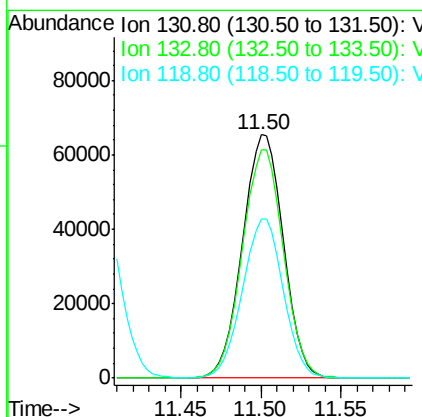
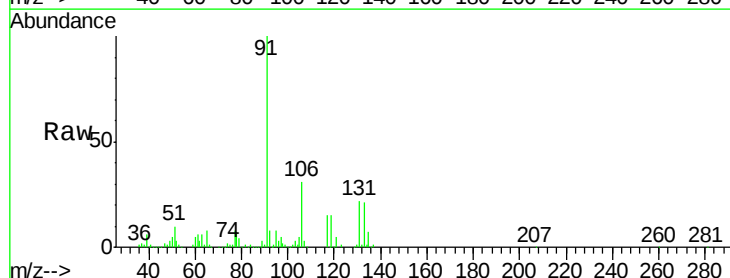
Manual Integrations
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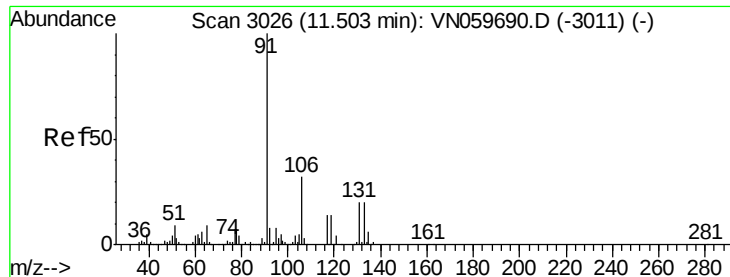
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.820 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Tgt Ion:131 Resp: 114057
Ion Ratio Lower Upper
131 100
133 94.7 47.4 142.2
119 65.3 33.1 99.3





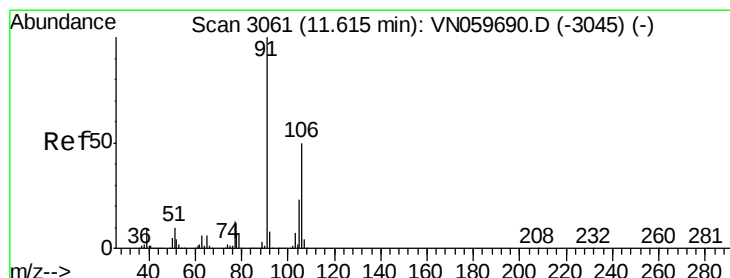
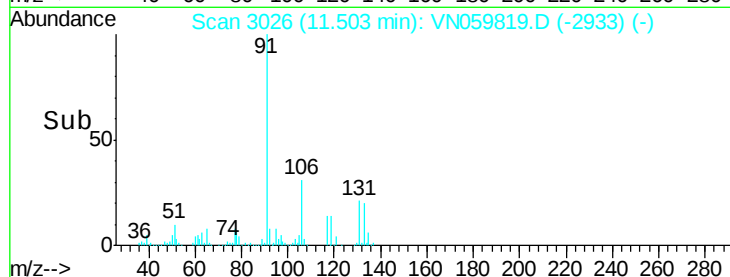
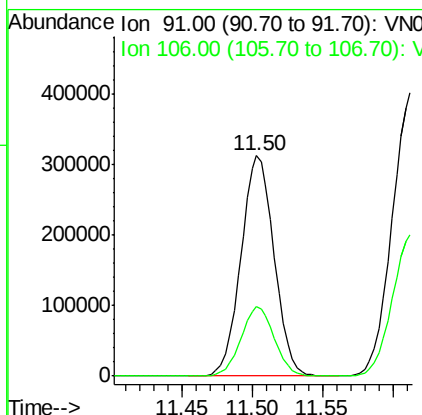
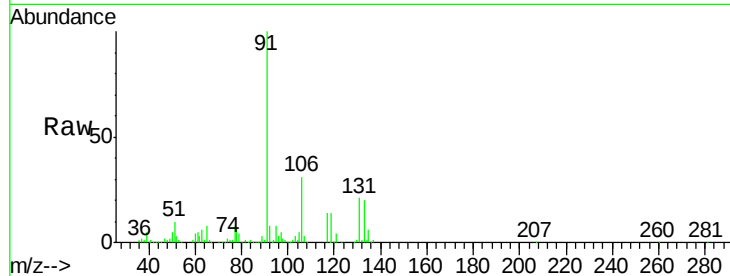
#67
Ethyl Benzene
Concen: 51.548 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 513227
Ion Ratio Lower Upper
91 100
106 31.4 24.1 36.1

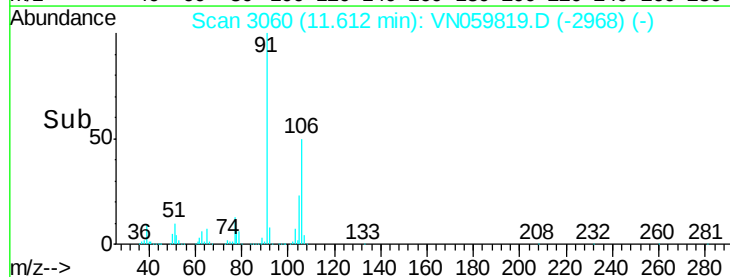
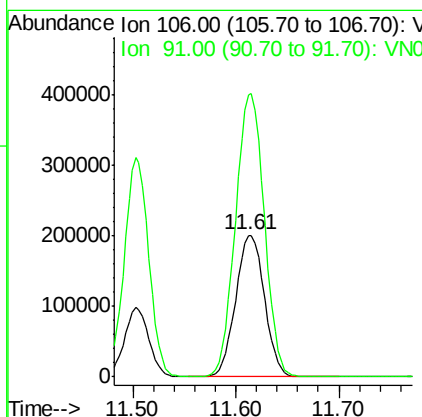
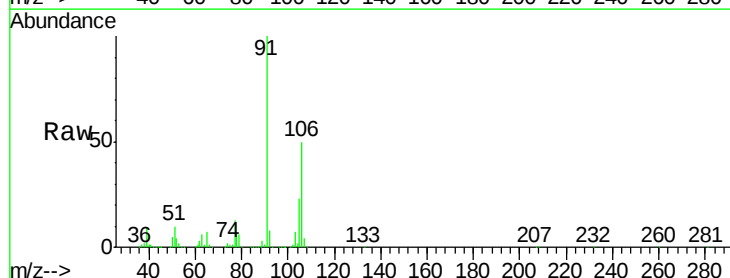
Manual Integrations
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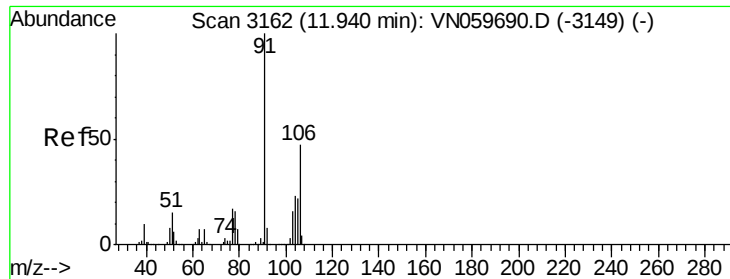
MMDadoda
1/22/2020 11:15:21 AM



#68
m/p-Xylenes
Concen: 104.086 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Tgt Ion: 106 Resp: 391454
Ion Ratio Lower Upper
106 100
91 199.9 167.9 251.9





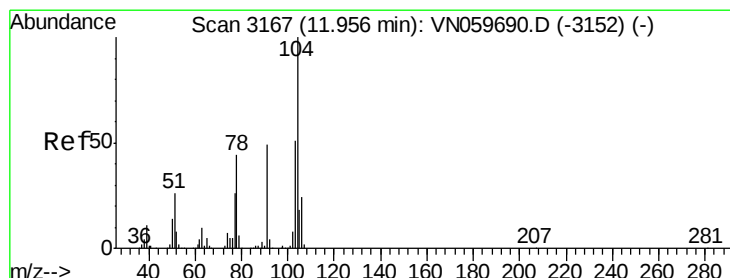
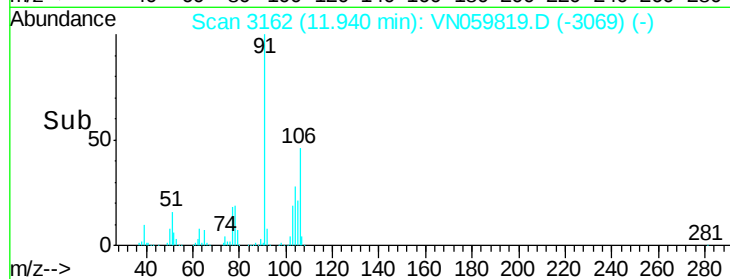
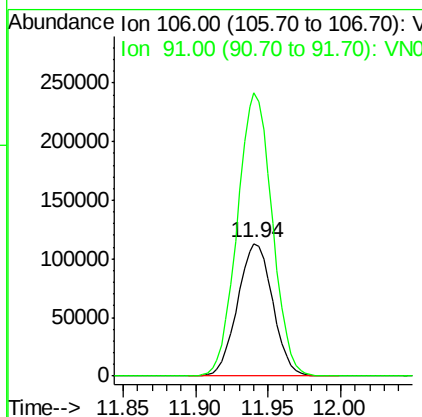
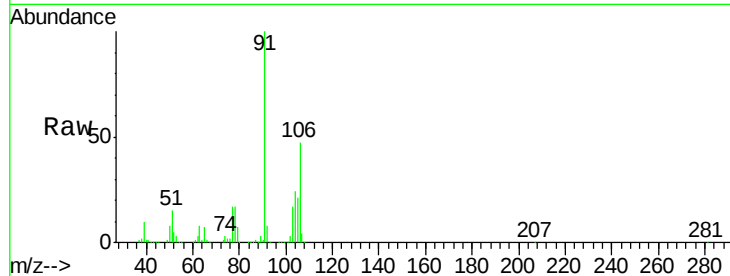
#69
o-Xylene
Concen: 51.727 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	212.2	110.3	330.9		

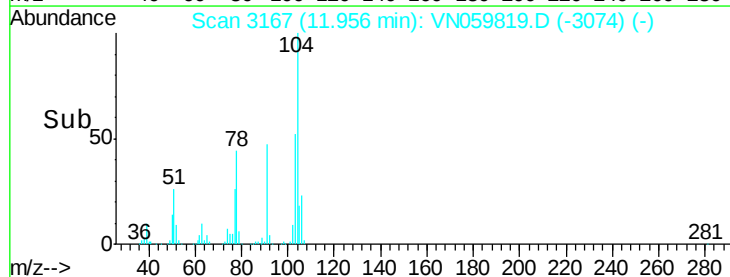
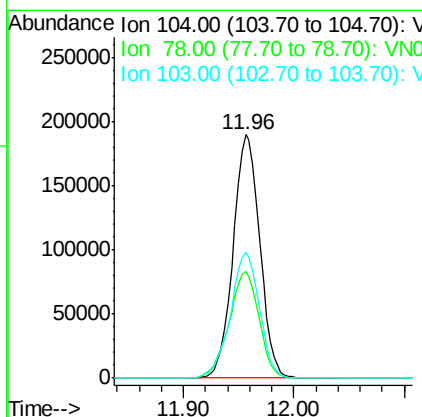
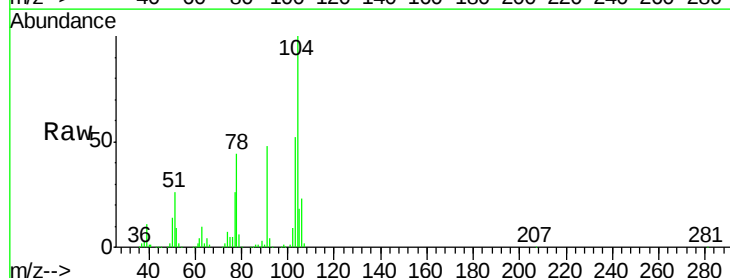
Manual Integrations
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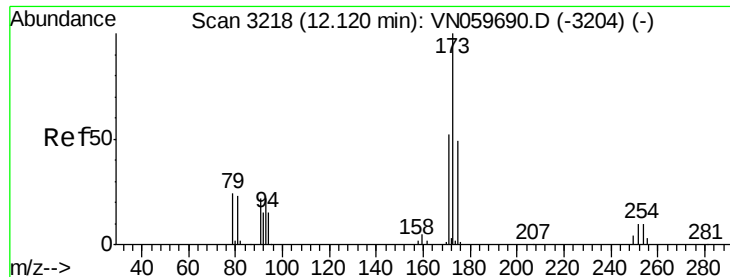
MMDadoda
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#70
Styrene
Concen: 51.607 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	49.1	42.4	63.6		
103	56.1	43.9	65.9		





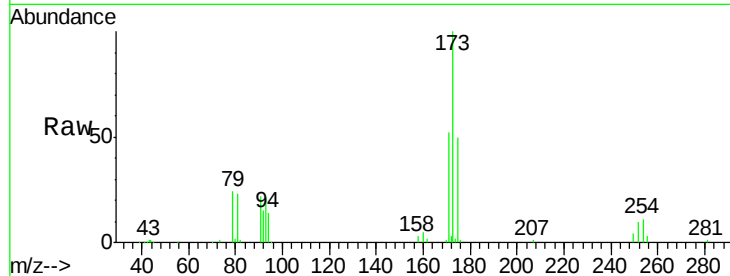
#71
Bromoform
Concen: 54.804 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

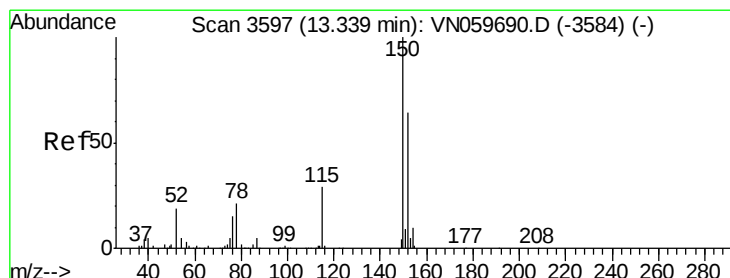
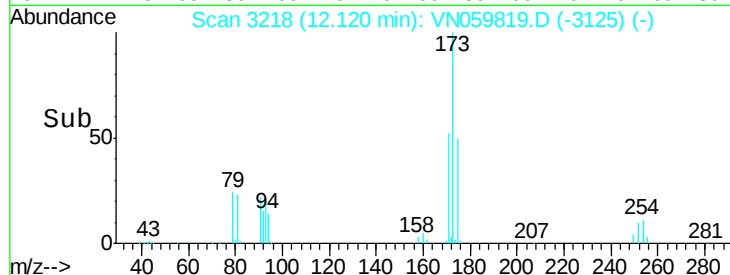
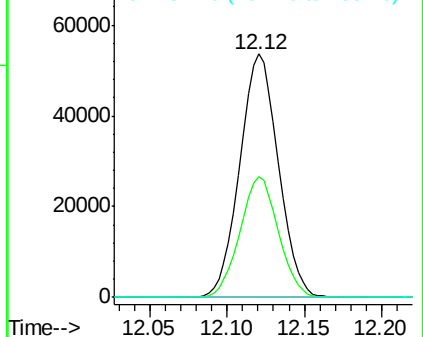
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	23.8	71.4
254	0.0	0.0	0.0

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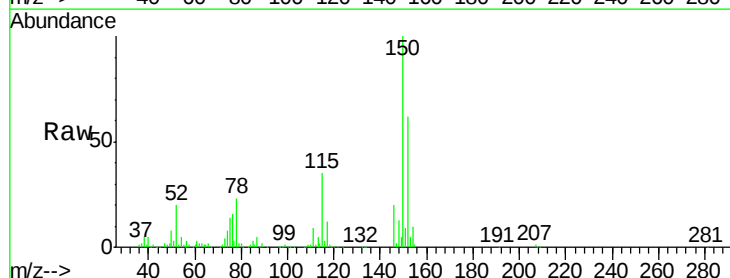


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

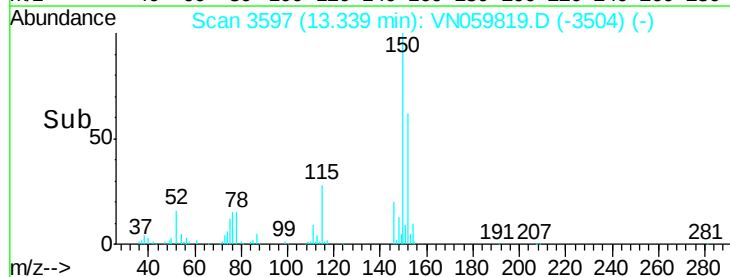
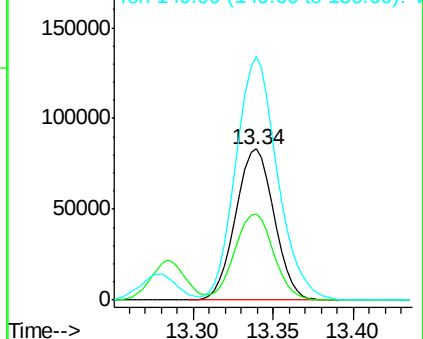


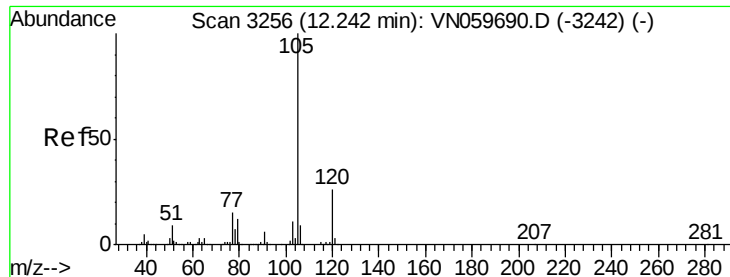
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	30.3	90.9
150	174.2	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: 51.228 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 513329

Ion Ratio Lower Upper

105 100

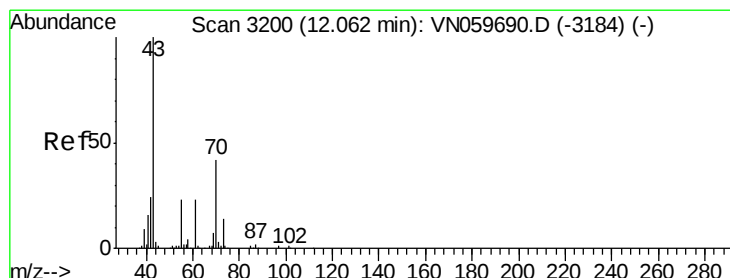
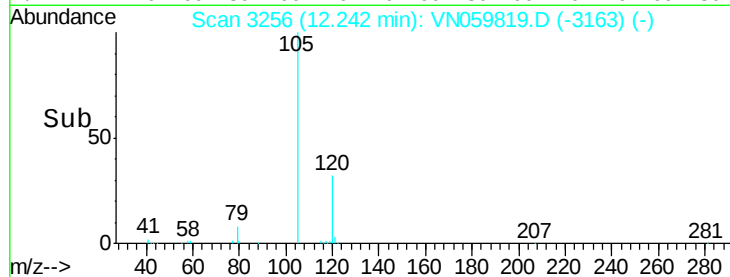
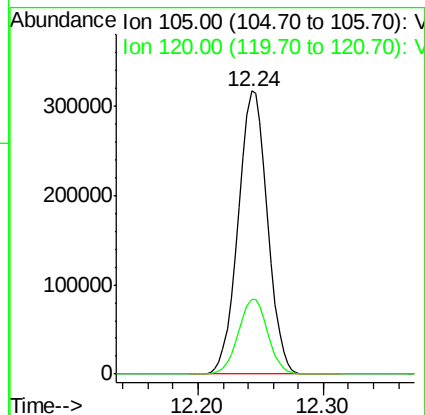
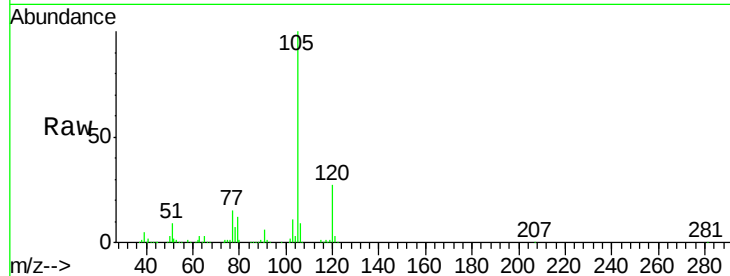
120 26.6 13.2 39.5

Manual Integrations

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#74

N-ethyl acetate

Concen: 48.666 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Tgt Ion: 43 Resp: 189226

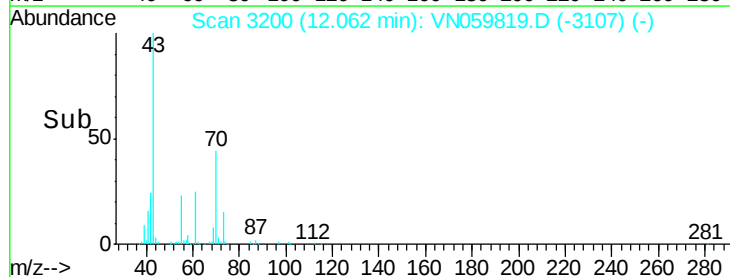
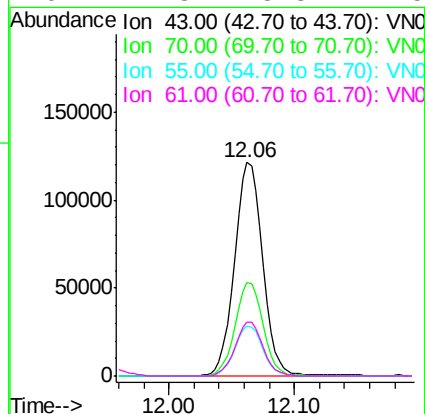
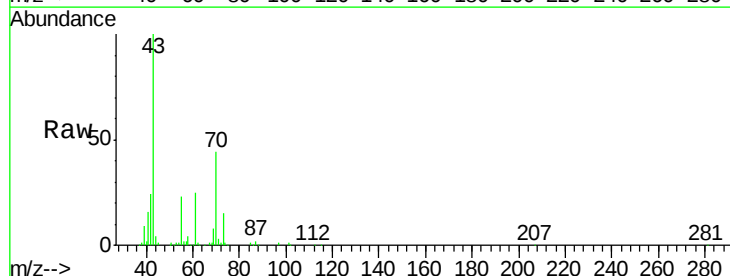
Ion Ratio Lower Upper

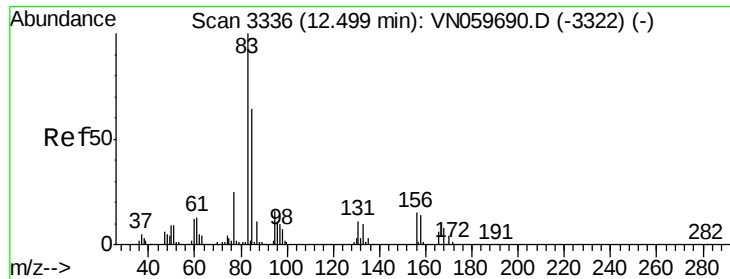
43 100

70 43.4 31.3 46.9

55 23.4 19.8 29.6

61 24.8 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.119 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Instrument :

MSVOA_N

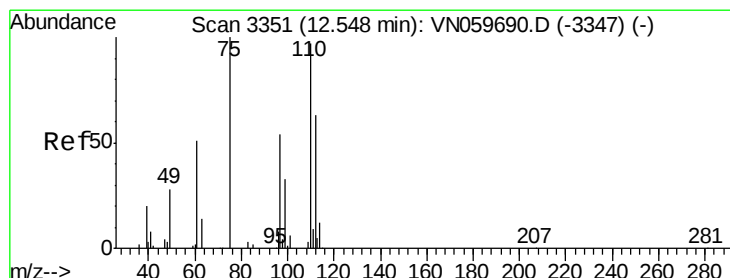
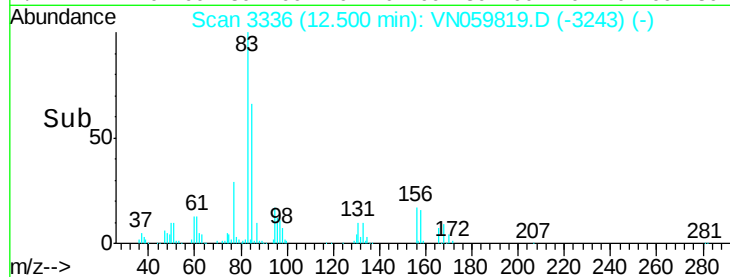
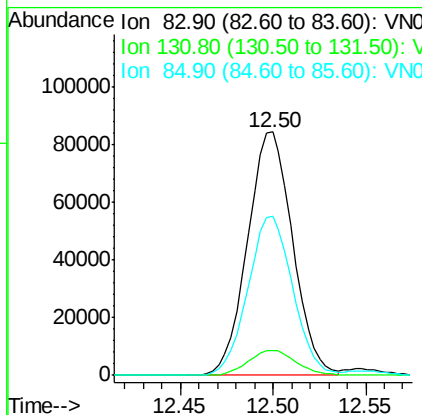
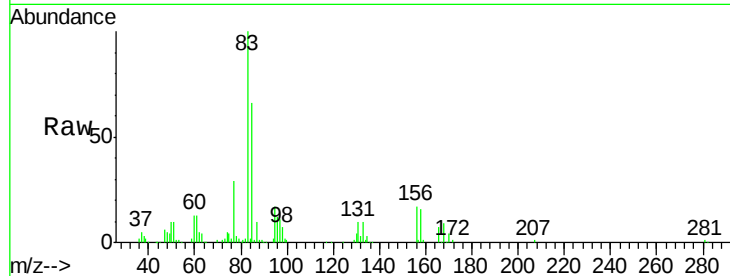
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	142687
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.0	14.9
85	65.0	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 57.233 ug/l m

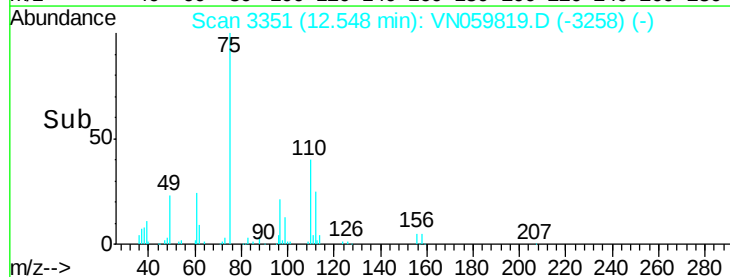
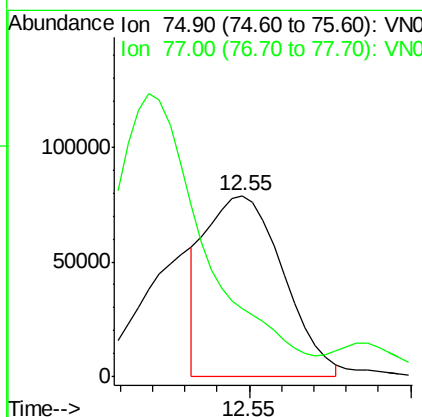
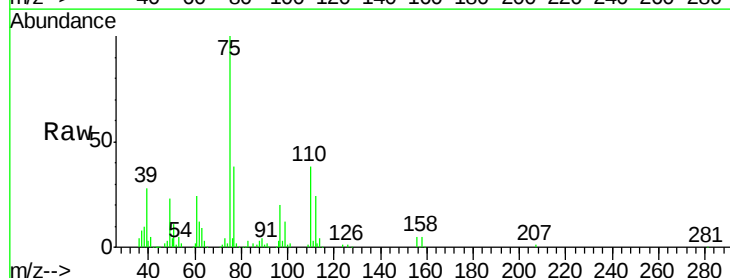
RT: 12.55 min Scan# 3351

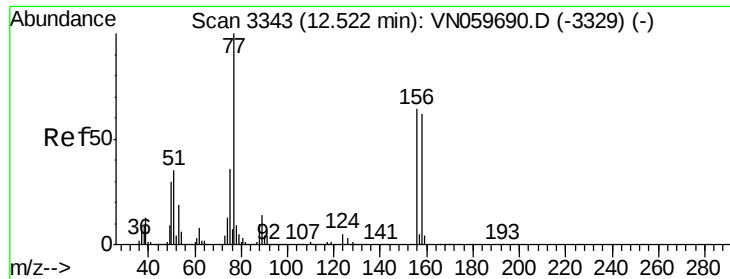
Delta R.T. 0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Tgt Ion:	75	Resp:	131600
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.667 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 131108

Ion Ratio Lower Upper

156 100

77 190.2 115.8 347.4

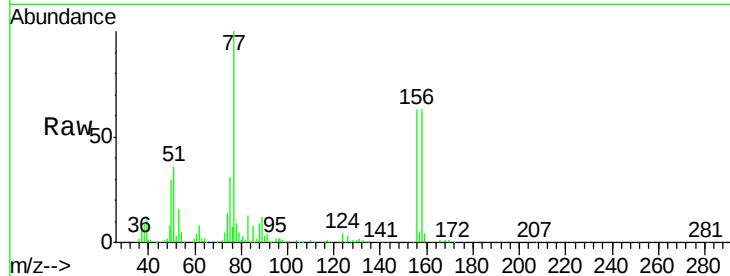
158 98.1 49.2 147.6

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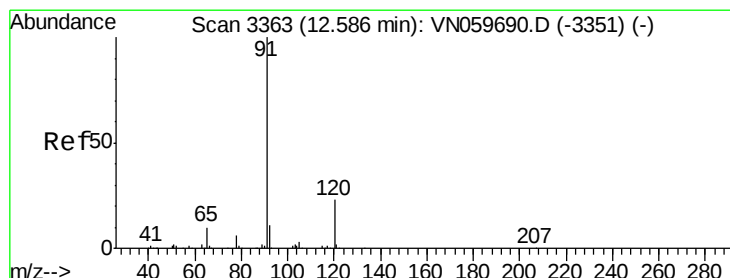
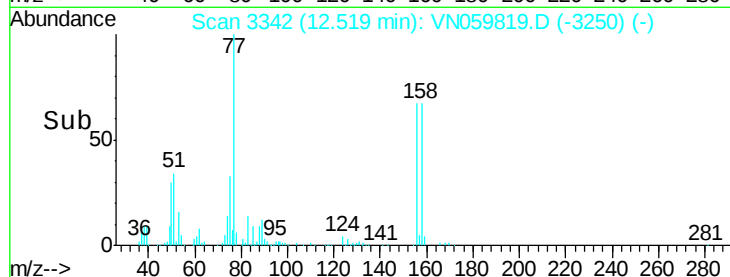
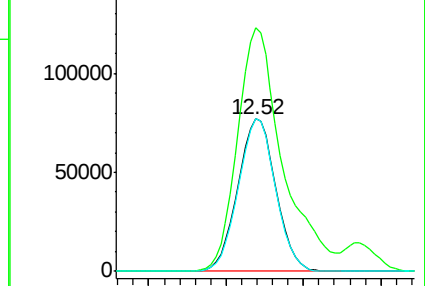
1/22/2020 11:15:21 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.065 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059819.D

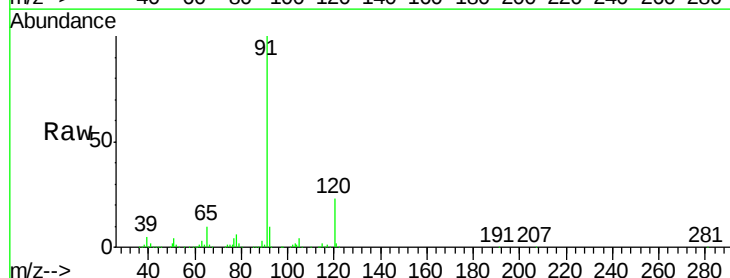
Acq: 21 Jan 2020 19:31

Tgt Ion: 91 Resp: 574324

Ion Ratio Lower Upper

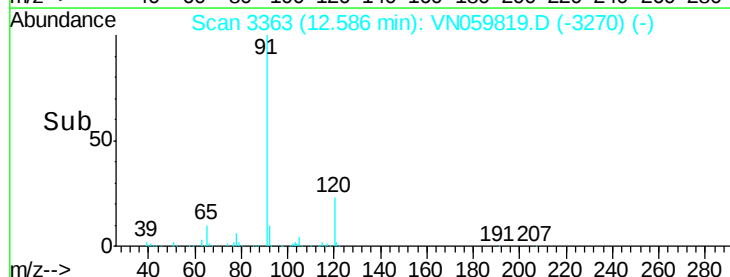
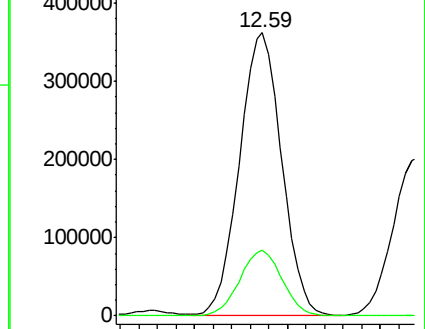
91 100

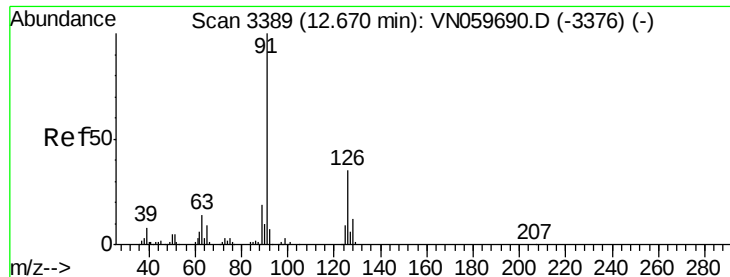
120 23.3 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.310 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 336612

Ion Ratio Lower Upper

91 100

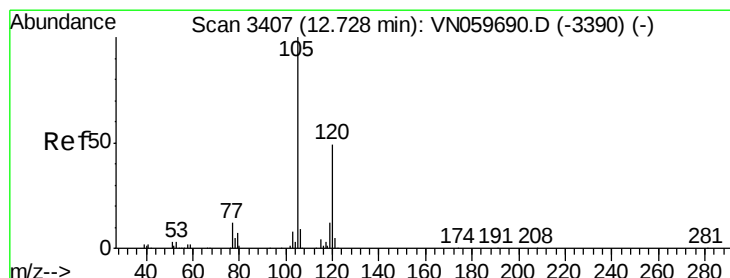
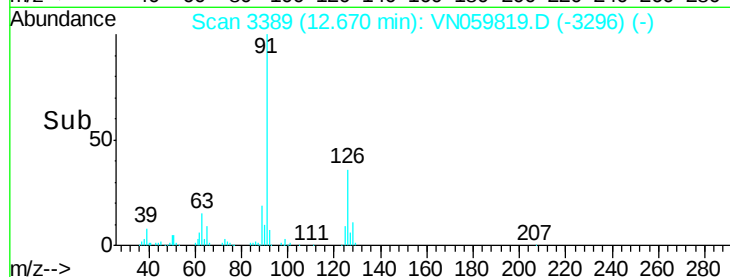
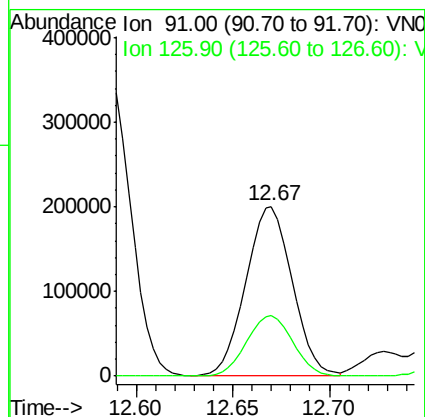
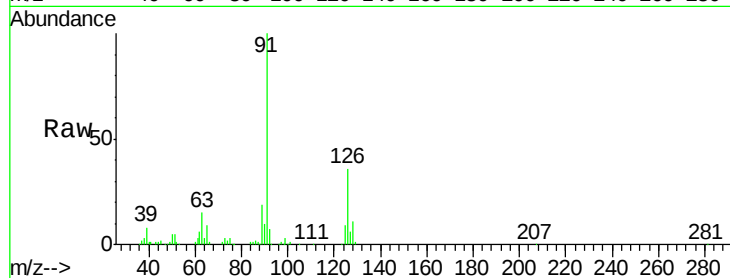
126 35.7 16.3 48.9

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#80

1,3,5-Trimethylbenzene

Concen: 50.421 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059819.D

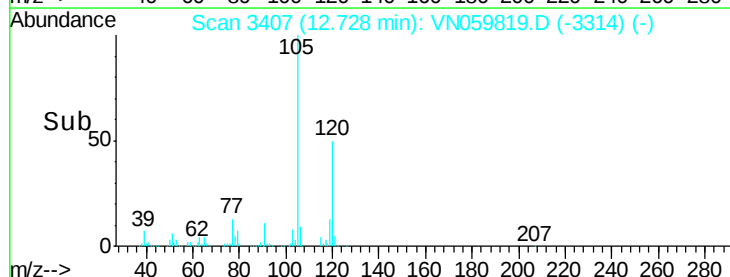
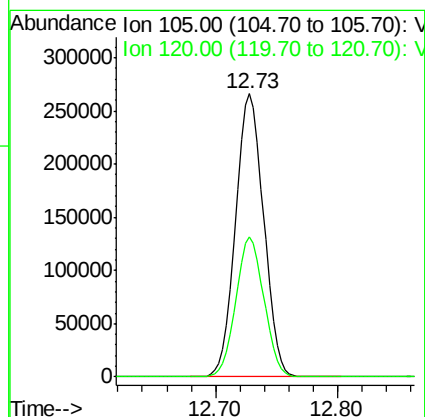
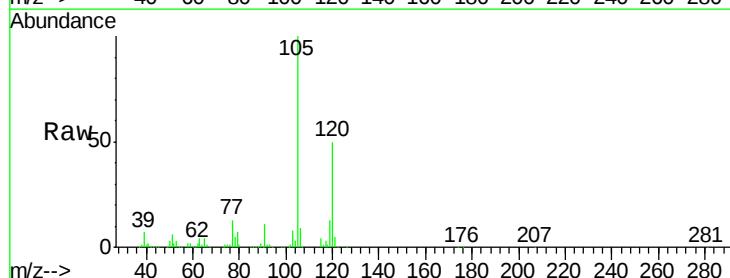
Acq: 21 Jan 2020 19:31

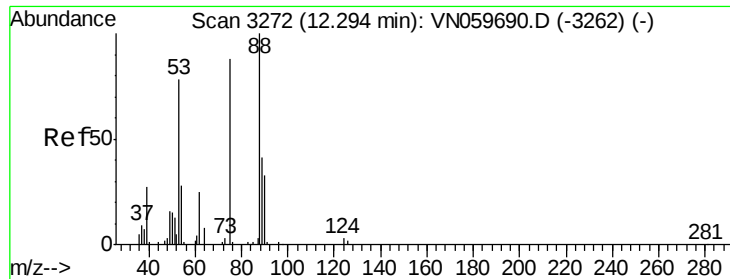
Tgt Ion: 105 Resp: 424910

Ion Ratio Lower Upper

105 100

120 49.4 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 49.372 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 52863

Ion Ratio Lower Upper

75 100

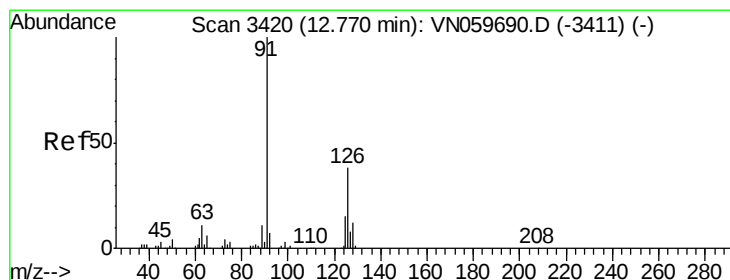
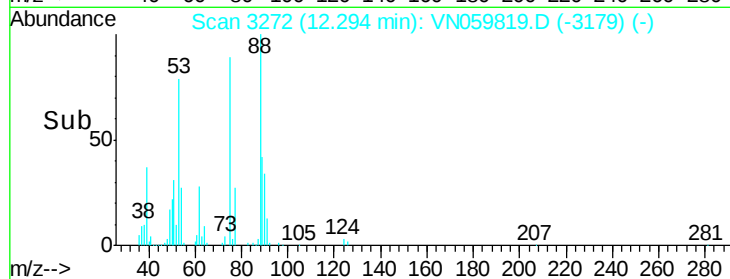
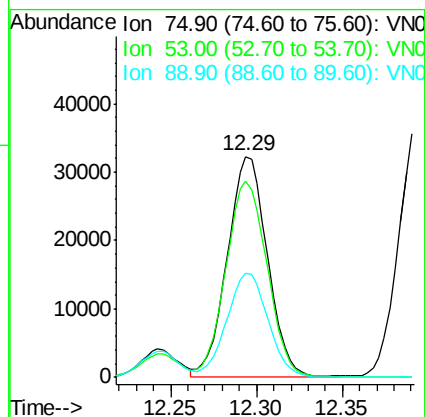
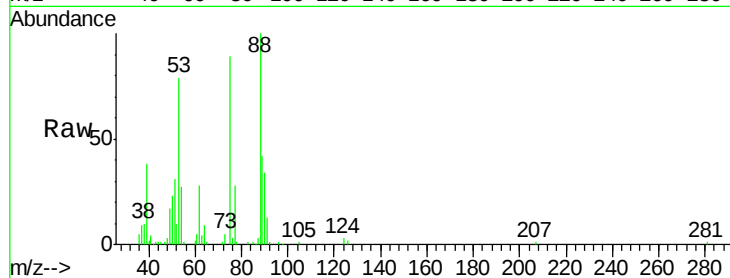
53 91.3 78.1 117.1

89 48.2 35.4 53.2

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#82

4-Chlorotoluene

Concen: 50.912 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. -0.00 min

Lab File: VN059819.D

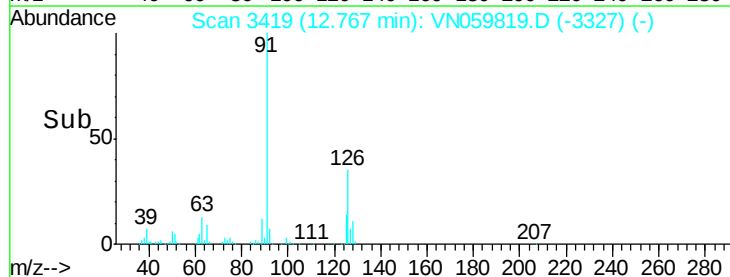
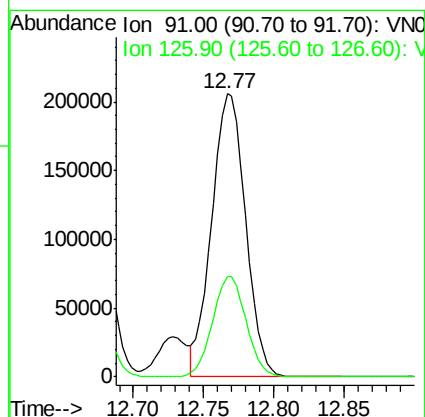
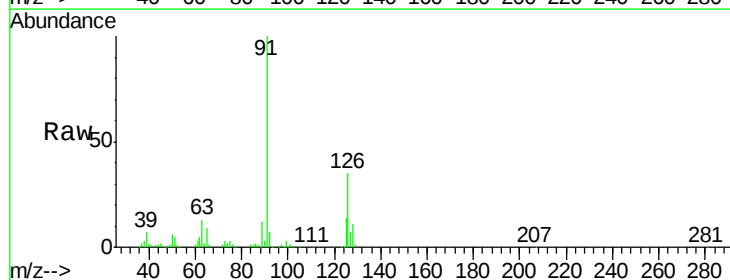
Acq: 21 Jan 2020 19:31

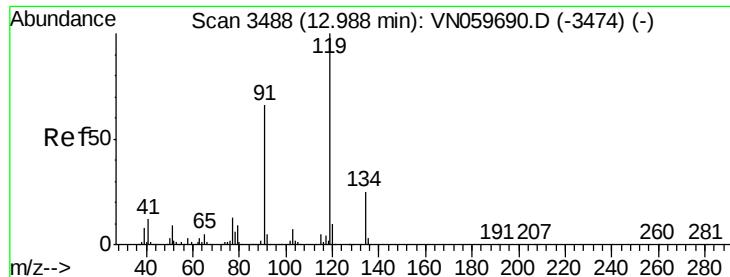
Tgt Ion: 91 Resp: 341668

Ion Ratio Lower Upper

91 100

126 35.2 16.3 48.8





#83

tert-Butylbenzene

Concen: 50.631 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Instrument :

MSVOA_N

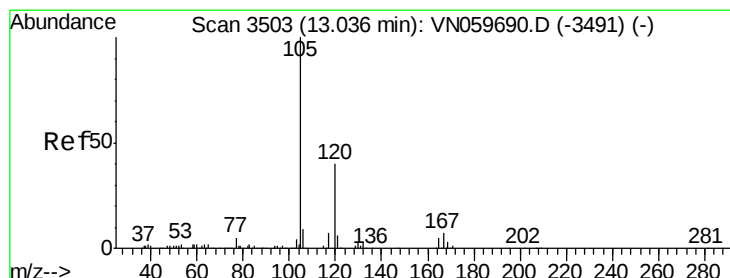
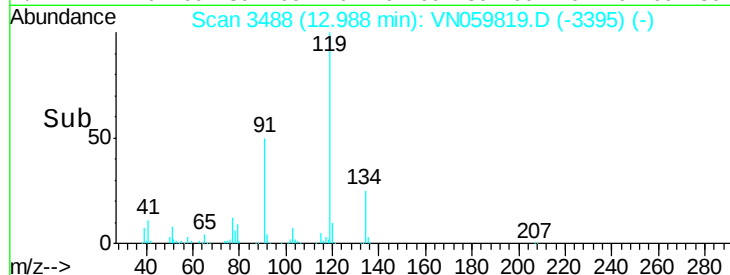
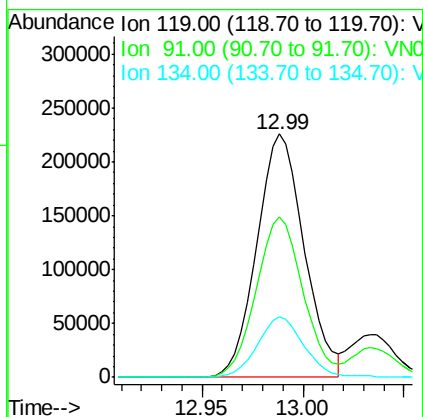
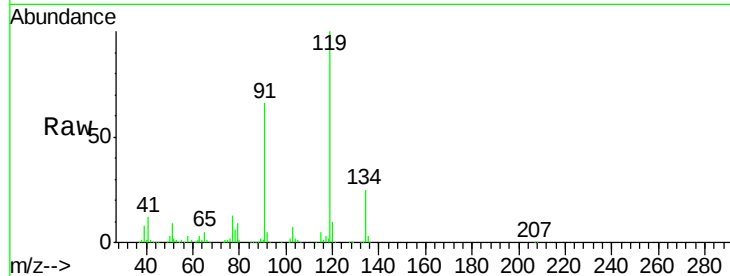
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	369024
Ion Ratio	Lower	Upper	
119	100		
91	65.2	34.8	104.4
134	24.6	12.3	36.9

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 51.080 ug/l

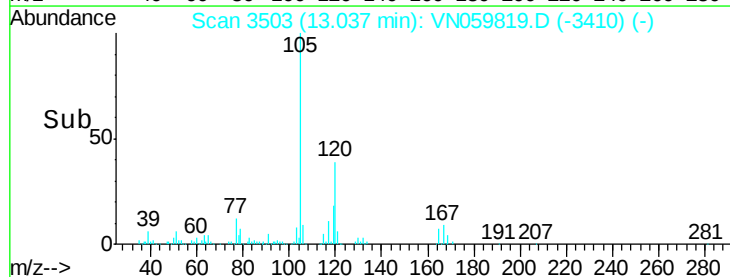
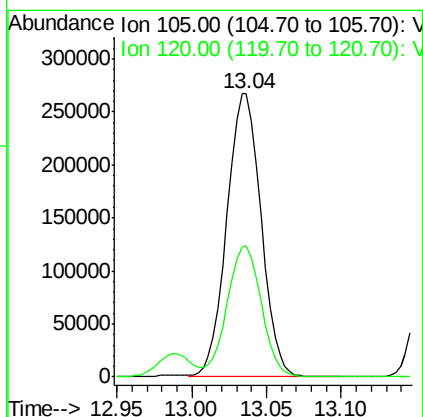
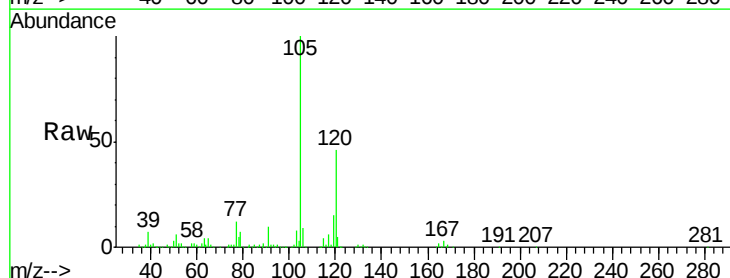
RT: 13.04 min Scan# 3503

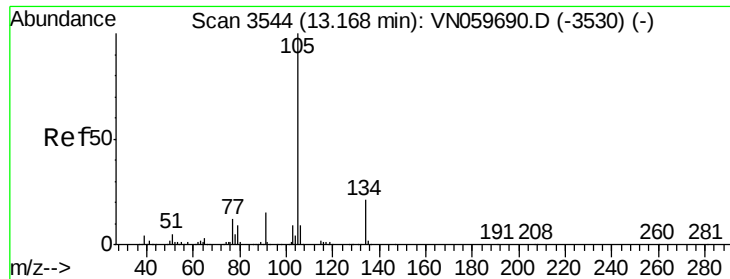
Delta R.T. 0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Tgt Ion:	105	Resp:	425861
Ion Ratio	Lower	Upper	
105	100		
120	46.2	22.3	66.9





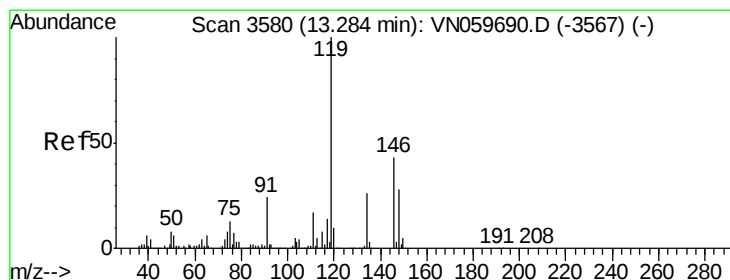
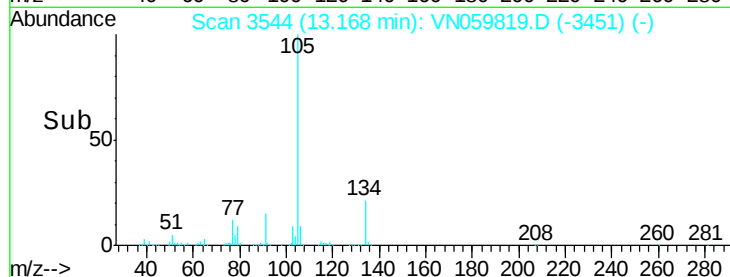
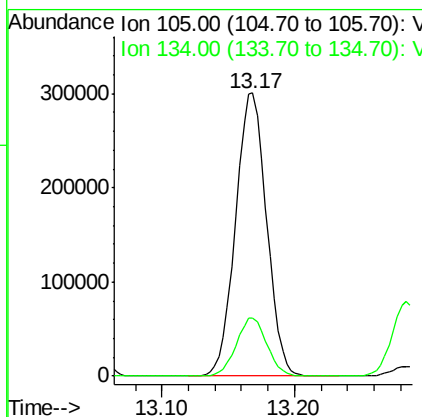
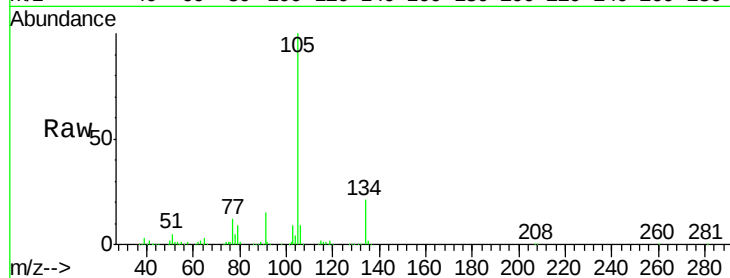
#85
 sec-Butylbenzene
 Concen: 50.827 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN059819.D
 Acq: 21 Jan 2020 19:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	486718		
134	20.3	9.8	29.5	

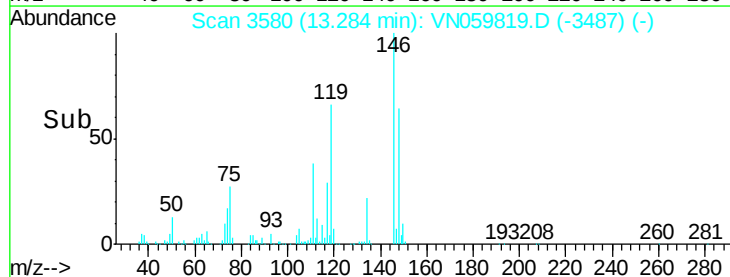
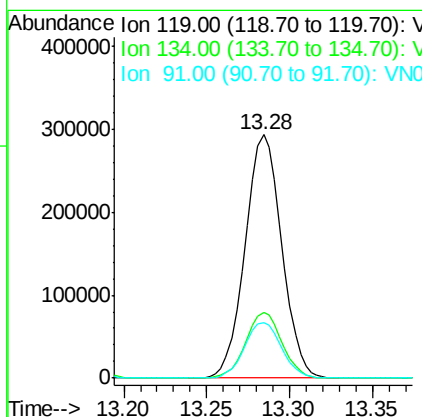
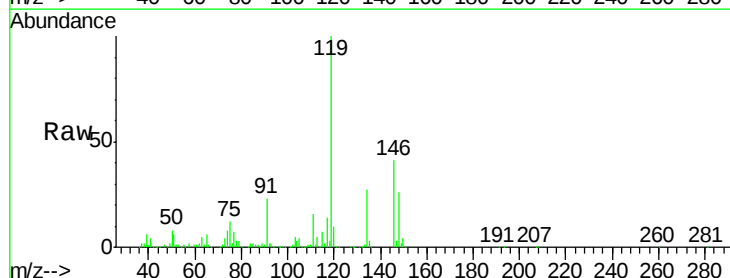
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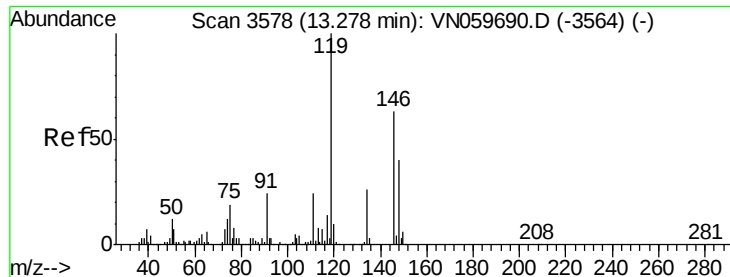
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#86
 p-Isopropyltoluene
 Concen: 50.635 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059819.D
 Acq: 21 Jan 2020 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	448658		
134	26.7	12.9	38.7	
91	23.3	12.4	37.4	





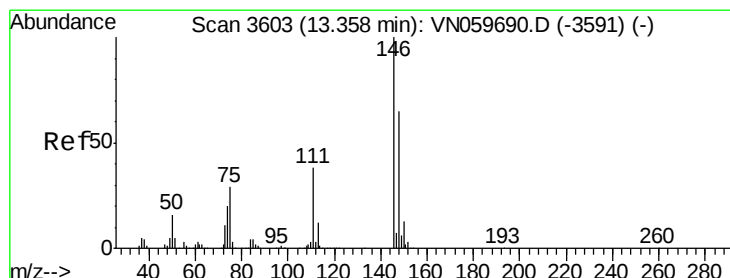
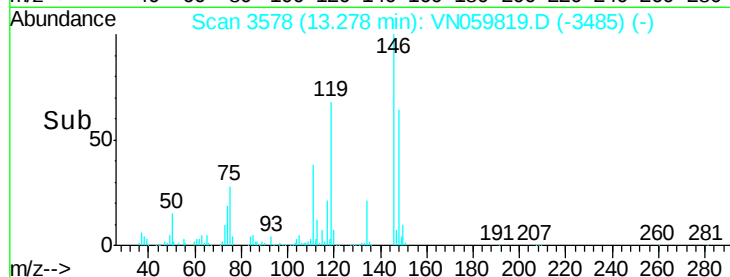
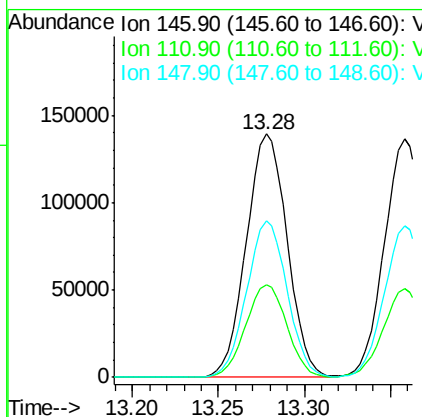
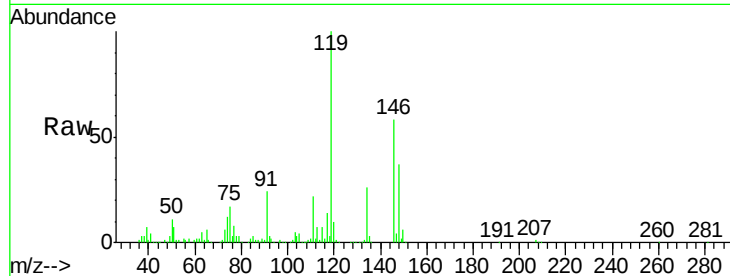
#87
 1,3-Dichlorobenzene
 Concen: 52.348 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN059819.D
 Acq: 21 Jan 2020 19:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	20.8	62.2
148	63.6	32.0	96.0

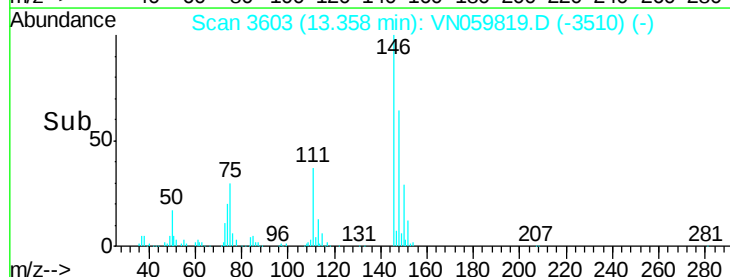
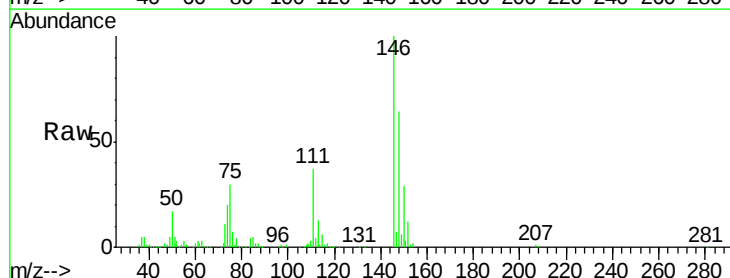
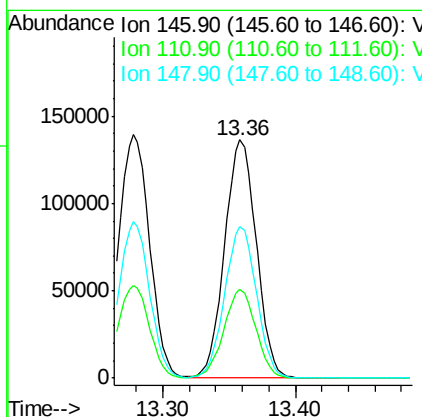
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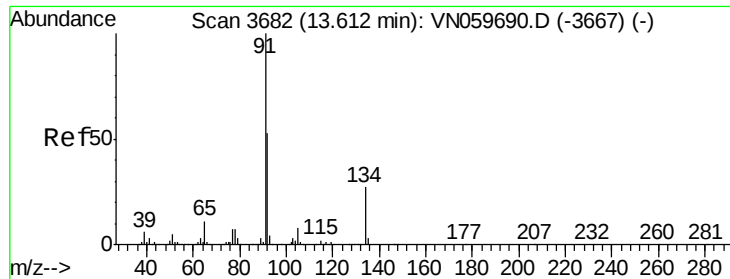
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#88
 1,4-Dichlorobenzene
 Concen: 51.562 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN059819.D
 Acq: 21 Jan 2020 19:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	20.8	62.2
148	63.9	31.8	95.4





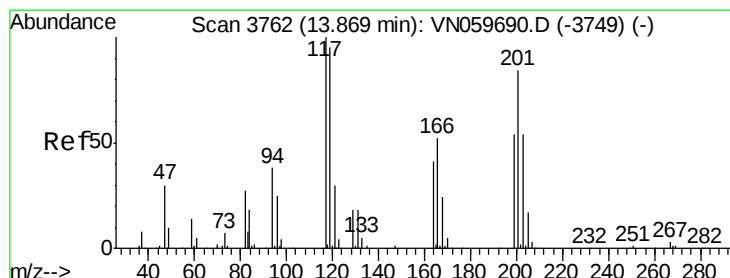
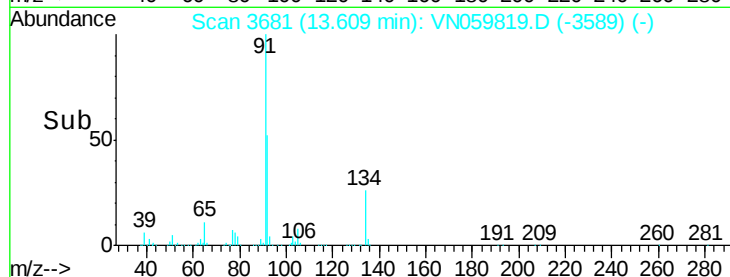
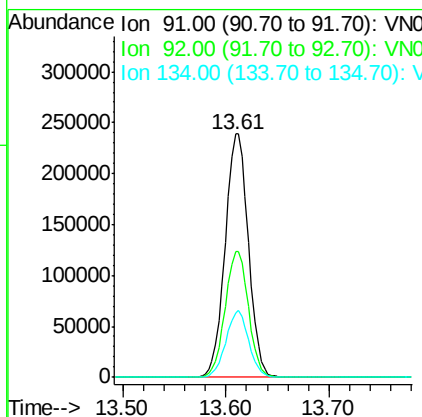
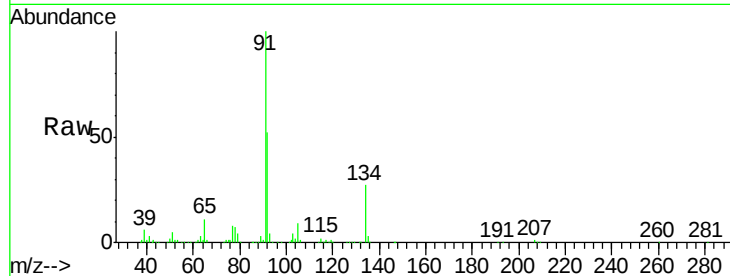
#89
n-Butylbenzene
Concen: 49.686 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	25.9	77.7
134	26.9	12.3	36.8

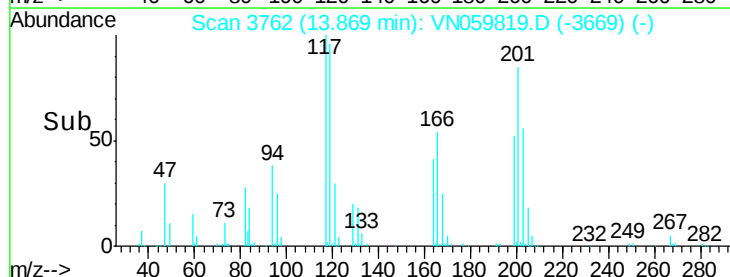
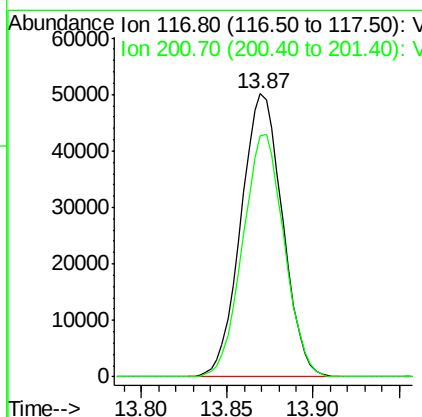
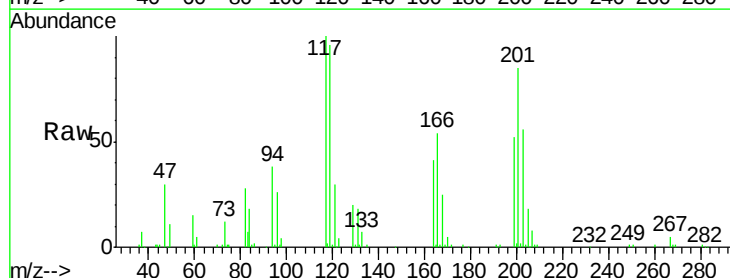
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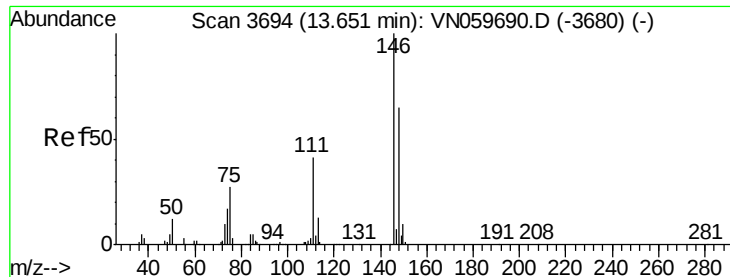
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#90
Hexachloroethane
Concen: 50.873 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.2	37.8	113.4





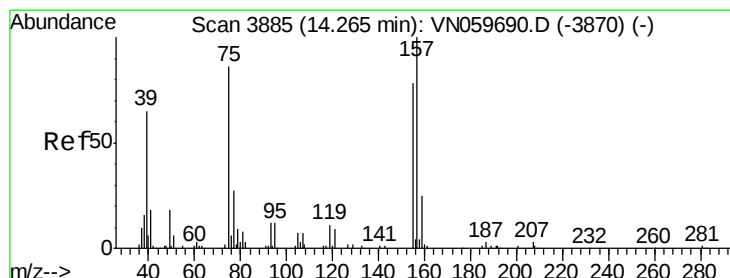
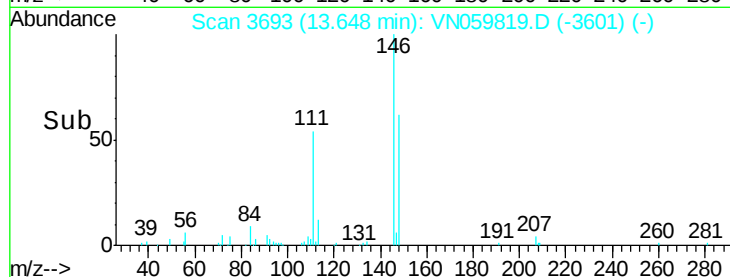
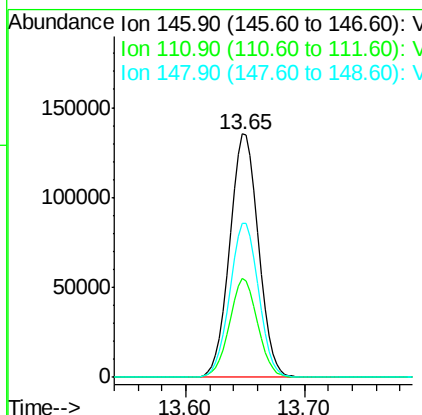
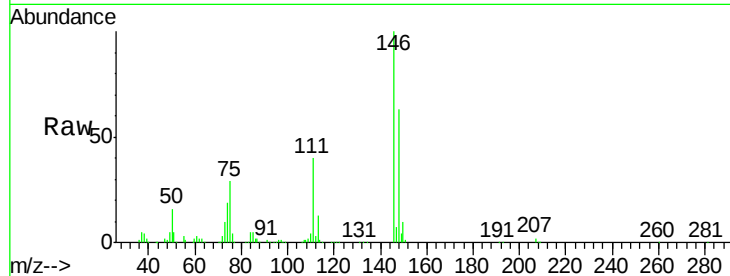
#91
 1,2-Dichlorobenzene
 Concen: 52.005 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN059819.D
 Acq: 21 Jan 2020 19:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	21.6	64.8
148	63.6	31.6	95.0

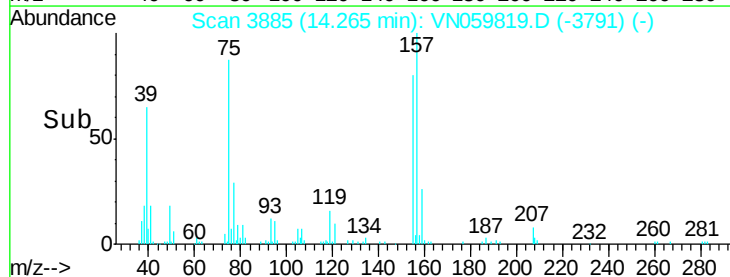
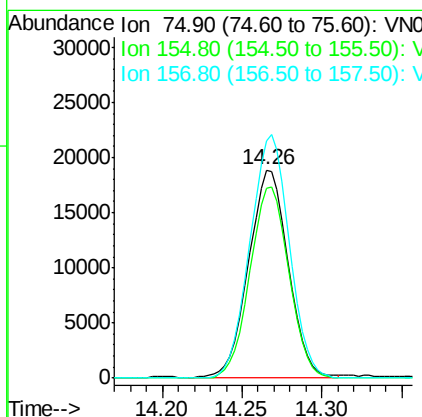
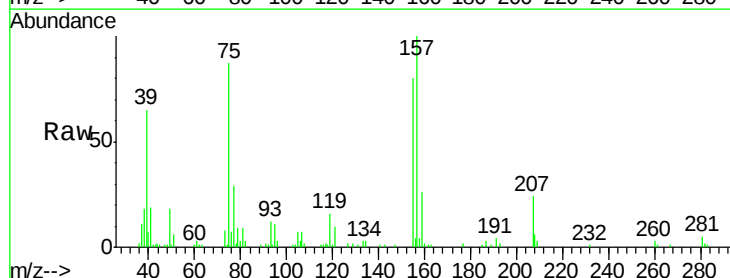
Manual Integrations
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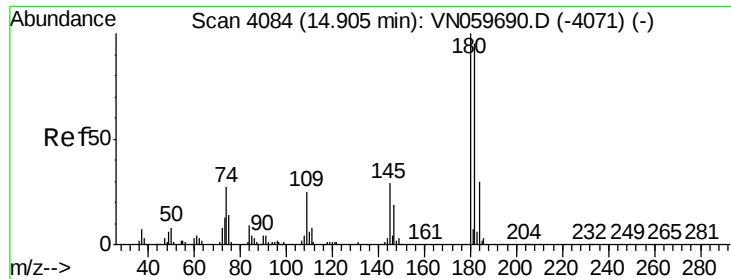
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.658 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN059819.D
 Acq: 21 Jan 2020 19:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.8	37.0	110.9
157	115.5	48.4	145.2





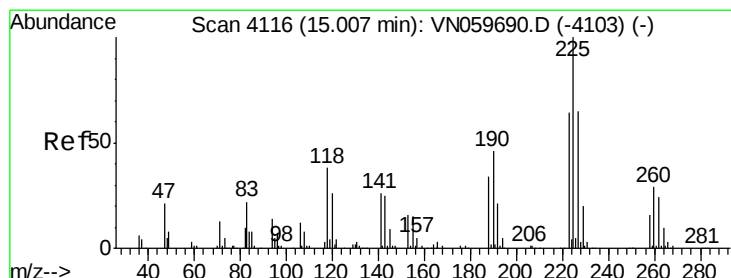
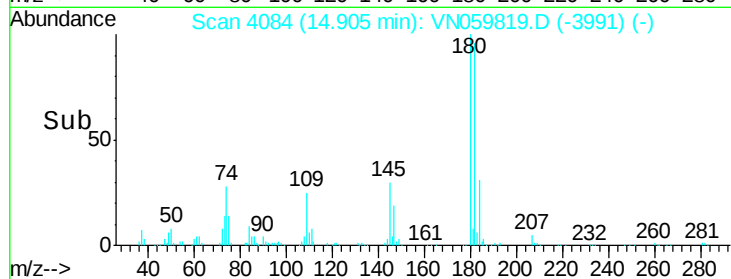
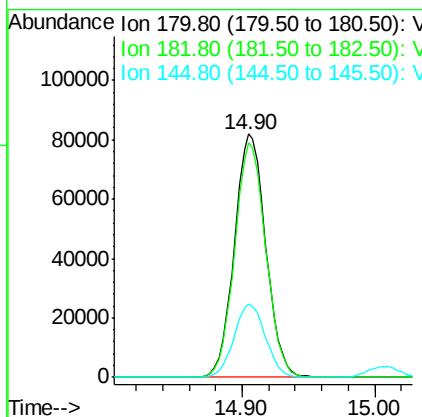
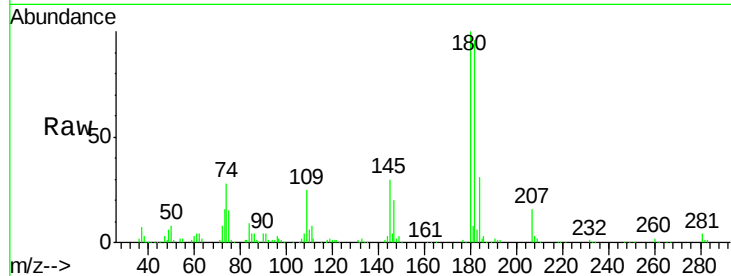
#93
 1,2,4-Trichlorobenzene
 Concen: 51.308 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN059819.D
 Acq: 21 Jan 2020 19:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	134347
Ion Ratio	Lower	Upper	
180	100		
182	95.6	46.9	140.7
145	30.3	15.0	45.1

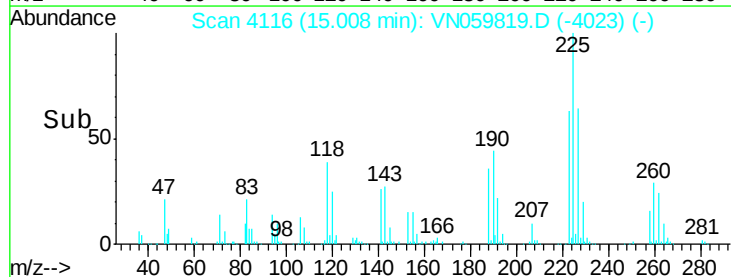
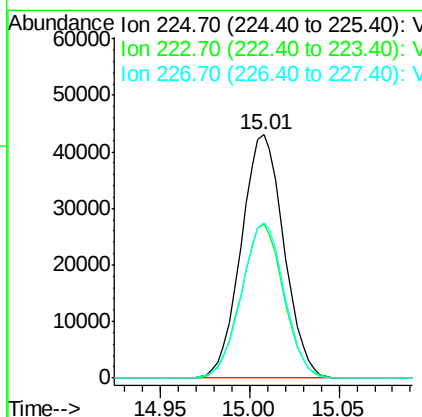
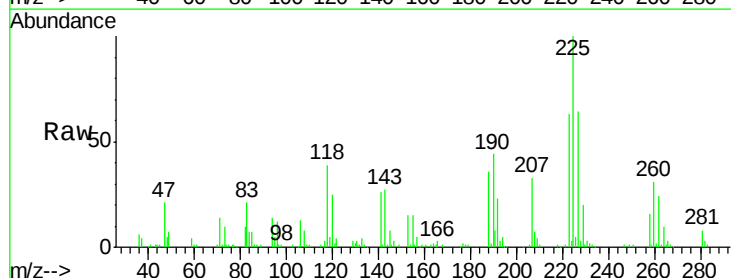
Manual Integrations
 APPROVED

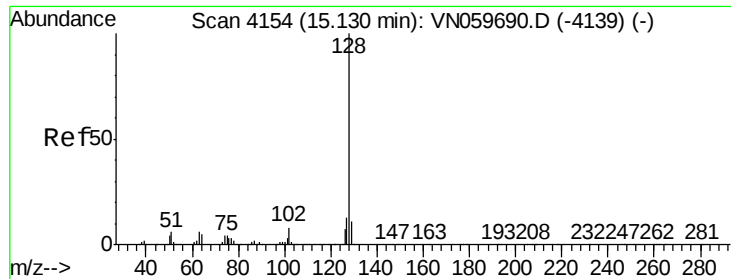
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#94
 Hexachlorobutadiene
 Concen: 49.707 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059819.D
 Acq: 21 Jan 2020 19:31

Tgt Ion:	225	Resp:	71724
Ion Ratio	Lower	Upper	
225	100		
223	62.9	31.8	95.3
227	64.0	32.1	96.5





#95

Naphthalene

Concen: 50.190 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Instrument :

MSVOA_N

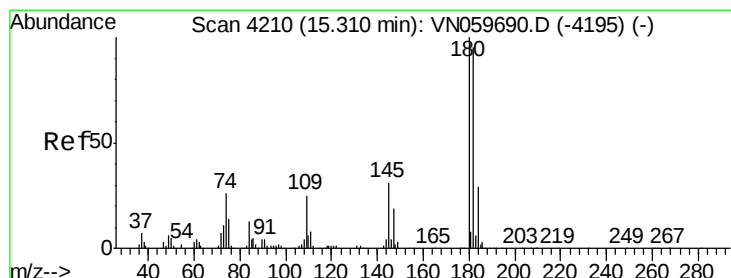
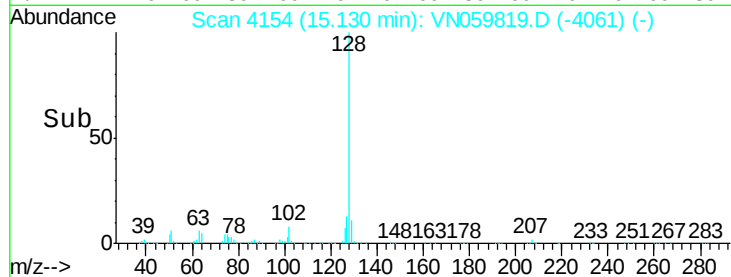
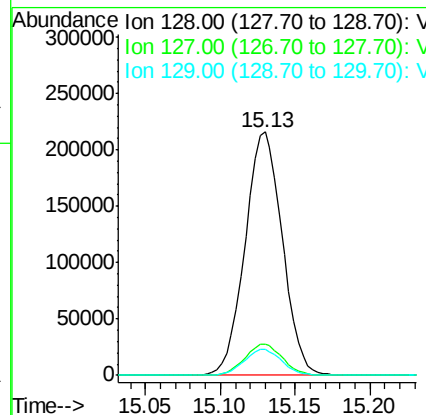
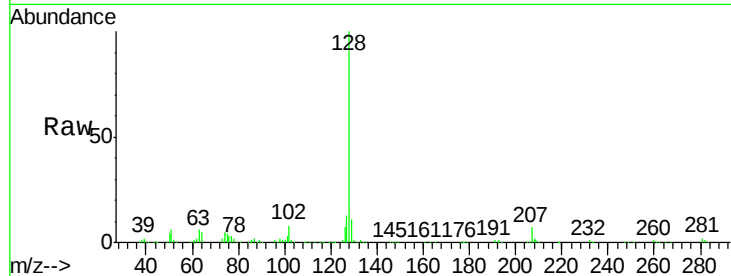
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	373805
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.8	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 50.596 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Tgt Ion:	180	Resp:	128954
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.4	142.3
145	32.1	16.3	48.9

