

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN061020\
 Data File : VN061731.D
 Acq On : 10 Jun 2020 11:17
 Operator : JC/MD
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Quant Time: Jun 10 12:03:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N061020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 10 11:59:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	64269	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	336568	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	324280	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	117498	21.85	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	72.83%
60) 4-Bromofluorobenzene	12.38	95	145201	26.87	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	89.57%
63) Toluene-d8	10.06	98	407928	27.57	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	91.90%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	130225	45.29	ug/l	98
3) Chloromethane	2.03	50	162031	33.21	ug/l	99
4) Vinyl Chloride	2.16	62	225071	34.36	ug/l	100
5) Bromomethane	2.53	94	146004	42.00	ug/l	96
6) Chloroethane	2.67	64	151691	34.22	ug/l	98
7) Trichlorofluoromethane	2.98	101	310622	41.76	ug/l	99
8) Diethyl Ether	3.37	74	96877	41.64	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	157634	49.03	ug/l	99
10) 1,1-Dichloroethene	3.70	96	158055	47.06	ug/l	95
11) Methyl Iodide	3.91	142	214888	56.06	ug/l	99
12) Methyl Acetate	4.28	43	121900	31.97	ug/l	99
13) Acrolein	3.57	56	91846	145.84	ug/l	98
14) Acrylonitrile	4.93	53	322214	178.73	ug/l #	90
15) Acetone	3.77	58	93132	206.78	ug/l	93
16) Carbon Disulfide	4.01	76	342201	37.91	ug/l	98
17) Allyl chloride	4.27	41	185954	29.79	ug/l	98
18) Methylene Chloride	4.50	84	177988	44.03	ug/l	96
19) trans-1,2-Dichloroethene	4.99	96	176932	44.58	ug/l	99
20) Diisopropyl ether	5.90	45	419911	28.98	ug/l	97
21) 1,1-Dichloroethane	5.80	63	280682	35.95	ug/l	98
22) cis-1,2-Dichloroethene	6.78	96	204224	44.38	ug/l	97
23) tert-Butyl Alcohol	4.73	59	121142	205.88	ug/l #	100
24) Methyl tert-Butyl Ether	4.99	73	496693	38.09	ug/l #	78
25) Chloroform	7.33	83	315639	40.82	ug/l	97
26) Cyclohexane	7.61	56	228401	31.48	ug/l #	99
29) 1,1-Dichloropropene	7.75	75	232005	41.64	ug/l	100
30) 2-Butanone	6.78	43	385375	168.97	ug/l	100
31) 2,2-Dichloropropane	6.77	77	261737	40.13	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	289804	45.44	ug/l	99
33) Carbon Tetrachloride	7.73	117	240066	48.57	ug/l	97
34) Benzene	8.00	78	711757	44.54	ug/l #	93
35) Methacrylonitrile	7.12	41	65895	30.08	ug/l #	75
36) 1,2-Dichloroethane	8.09	62	224175	37.67	ug/l	99
37) Trichloroethene	8.80	130	218278	53.03	ug/l	99
38) Methylcyclohexane	9.05	83	269187	40.62	ug/l	99
39) 1,2-Dichloropropane	9.09	63	166186	38.88	ug/l	99
40) Dibromomethane	9.18	93	126926	46.20	ug/l	99

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Instrument :
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 ClientSampleId :
 VSTDIC050

Quant Time: Jun 10 12:03:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N061020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 10 11:59:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	256372	43.71	ug/l	98
42) Vinyl Acetate	5.84	43	1632275	152.63	ug/l	100
43) Ethyl Acetate	6.88	43	164954	34.99	ug/l	99
44) Isopropyl Acetate	8.13	43	284456	30.60	ug/l	100
45) 1,4-Dioxane	9.16	88	56704	1312.79	ug/l	97
46) Methyl methacrylate	9.17	41	123053	28.50	ug/l	98
47) n-amyl Acetate	12.04	43	244500	29.78	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	269744	39.89	ug/l	100
49) cis-1,3-Dichloropropene	9.81	75	294189	40.69	ug/l	99
50) 1,1,2-Trichloroethane	10.53	97	183018	47.98	ug/l	96
51) Ethyl methacrylate	10.40	69	241077	38.59	ug/l	99
52) 1,3-Dichloropropane	10.68	76	291387	43.14	ug/l	99
53) Dibromochloromethane	10.87	129	216097	51.05	ug/l	99
54) 1,2-Dibromoethane	10.98	107	193190	48.96	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	479505	177.75	ug/l	100
56) Bromoform	12.10	173	150281	55.54	ug/l	98
58) 4-Methyl-2-Pentanone	9.95	43	825585	154.71	ug/l	99
59) 2-Hexanone	10.72	43	595324	157.46	ug/l	100
61) Tetrachloroethene	10.60	164	244171	58.20	ug/l	95
62) Toluene	10.12	91	801656	44.08	ug/l	99
64) Chlorobenzene	11.41	112	510304	46.82	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	194824	48.63	ug/l	99
66) Ethyl Benzene	11.48	91	895817	43.37	ug/l	100
67) m/p-Xylenes	11.60	106	716195	92.61	ug/l	98
68) o-Xylene	11.92	106	333171	45.29	ug/l	99
69) Styrene	11.94	104	565454	44.78	ug/l	100
70) Isopropylbenzene	12.22	105	893463	44.95	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	230184	42.42	ug/l	100
72) 1,2,3-Trichloropropane	12.53	75	301020	58.72	ug/l	65
73) Bromobenzene	12.50	156	235835	54.48	ug/l	99
74) n-propylbenzene	12.56	91	1012392	43.15	ug/l	100
75) 2-Chlorotoluene	12.65	91	581653	43.25	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	735277	44.15	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	78166	36.92	ug/l	98
78) 4-Chlorotoluene	12.75	91	609242	43.17	ug/l	100
79) tert-butylbenzene	12.97	119	634422	45.74	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	743577	44.53	ug/l	100
81) sec-Butylbenzene	13.15	105	824281	43.44	ug/l	100
82) p-Isopropyltoluene	13.26	119	771959	44.97	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	419386	52.43	ug/l	100
84) 1,4-Dichlorobenzene	13.34	146	414413	52.63	ug/l	98
85) n-Butylbenzene	13.59	91	636716	40.84	ug/l	99
86) Hexachloroethane	13.85	117	101647	42.91	ug/l	98
87) 1,2-Dichlorobenzene	13.63	146	400580	52.87	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	42301	37.70	ug/l	97
89) 1,2,4-Trichlorobenzene	14.88	180	237748	55.10	ug/l	99
90) Hexachlorobutadiene	14.98	225	99284	54.94	ug/l	98
91) Naphthalene	15.10	128	667620	50.20	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	228420	54.05	ug/l	100

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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Quant Time: Jun 10 12:03:02 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N061020W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 10 11:59:42 2020
Response via : Initial Calibration

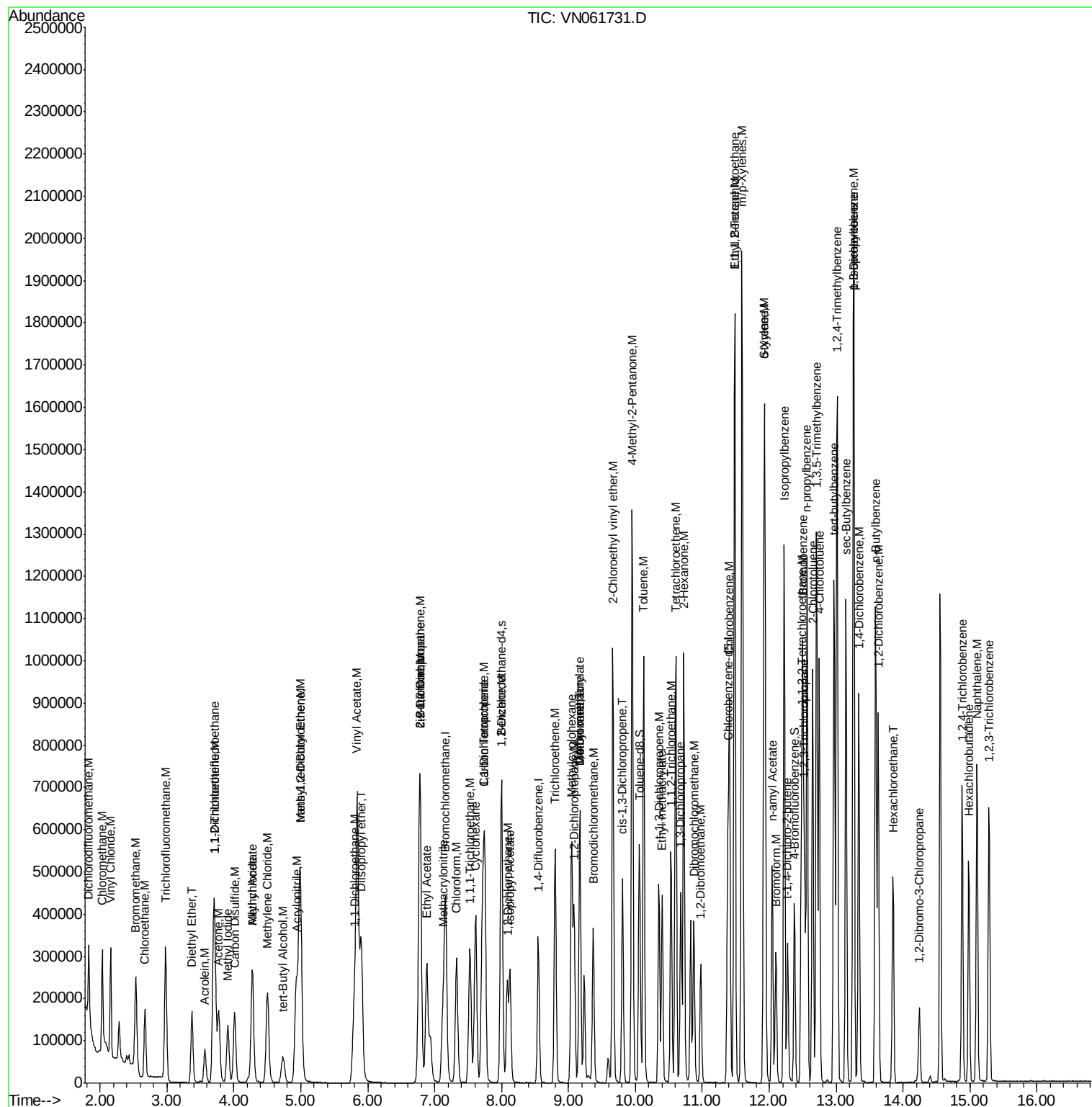
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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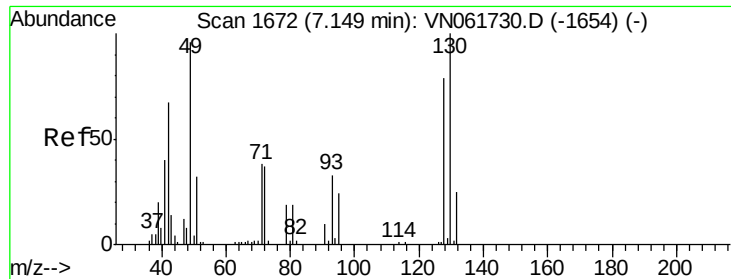
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN061020\
 Data File : VN061731.D
 Acq On : 10 Jun 2020 11:17
 Operator : JC/MD
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sample Id :
 VSTDIC050

Quant Time: Jun 10 12:03:02 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\624N061020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 10 11:59:42 2020
 Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

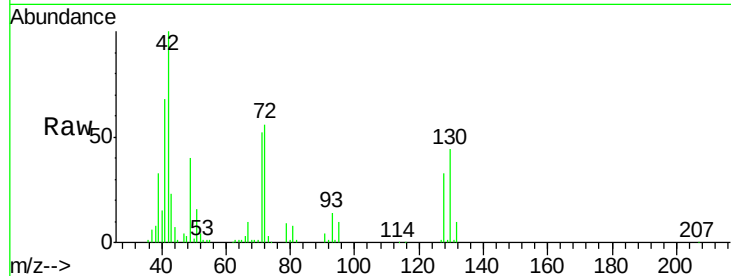
Tgt Ion:128 Resp: 64269

Ion Ratio Lower Upper

128 100

49 123.6 0.0 312.3

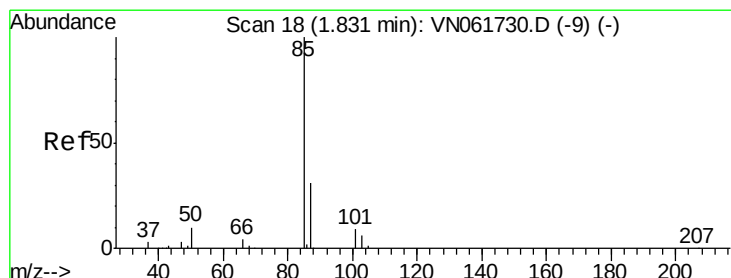
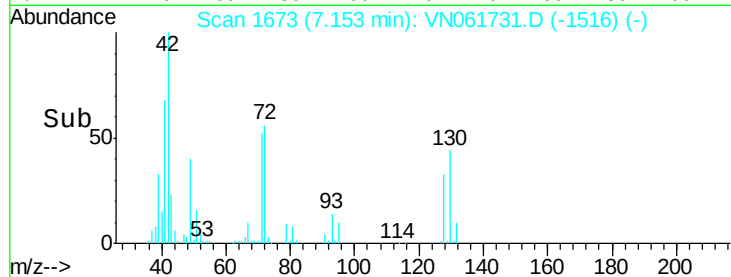
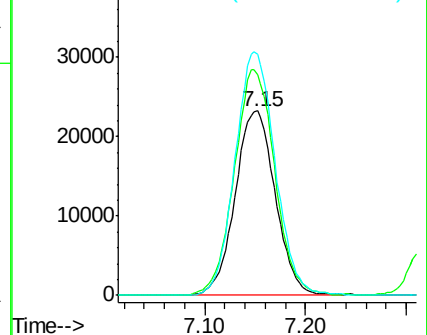
130 131.7 0.0 328.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 45.29 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061731.D

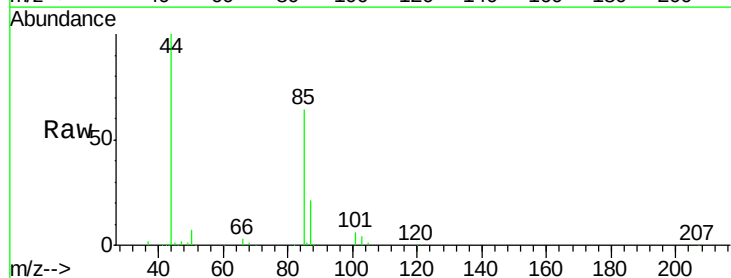
Acq: 10 Jun 2020 11:17

Tgt Ion: 85 Resp: 130225

Ion Ratio Lower Upper

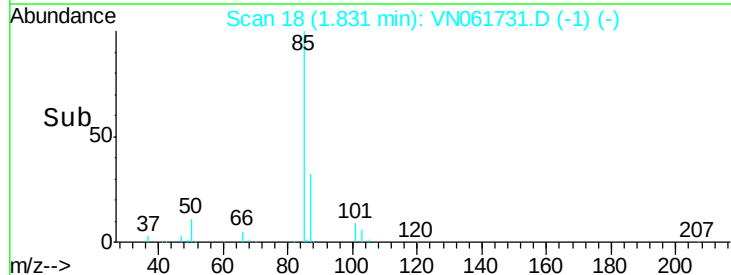
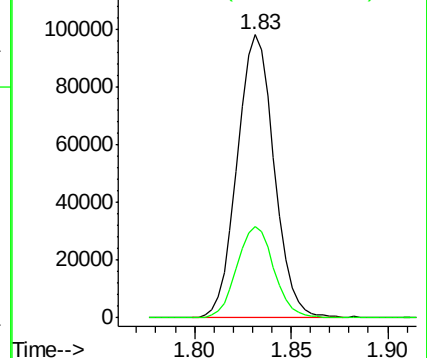
85 100

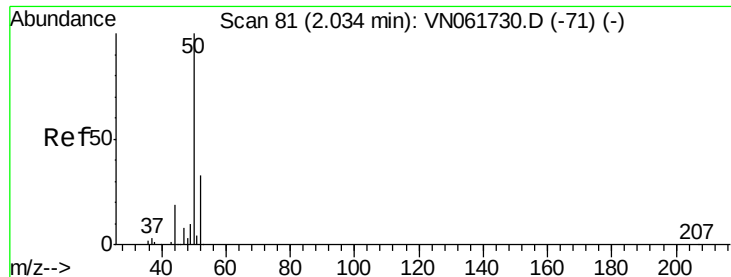
87 32.3 15.7 47.1



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 33.21 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

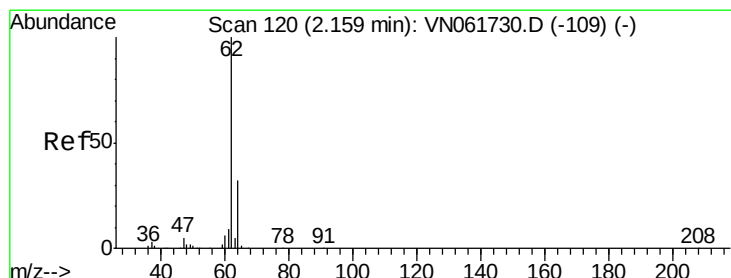
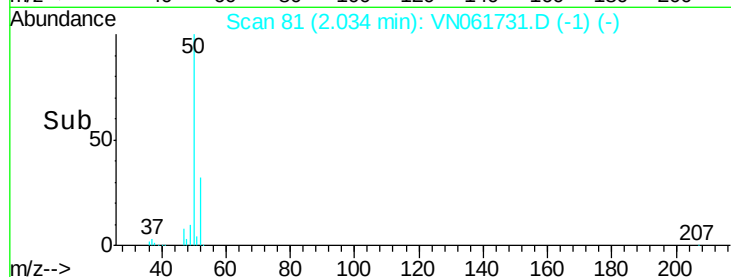
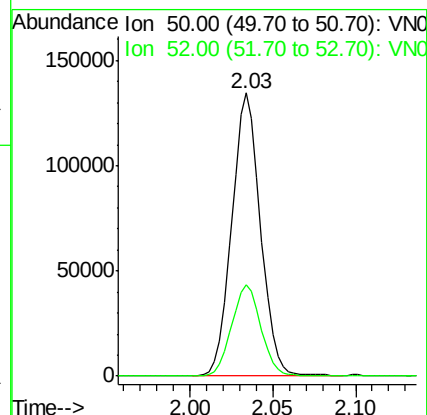
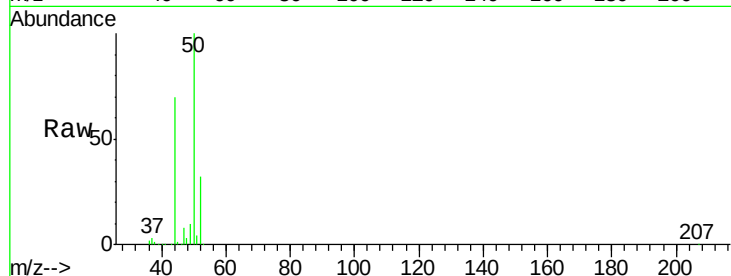
VSTDIC050

Tgt Ion: 50 Resp: 162031

Ion Ratio Lower Upper

50 100

52 32.1 26.2 39.2



#4

Vinyl Chloride

Concen: 34.36 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061731.D

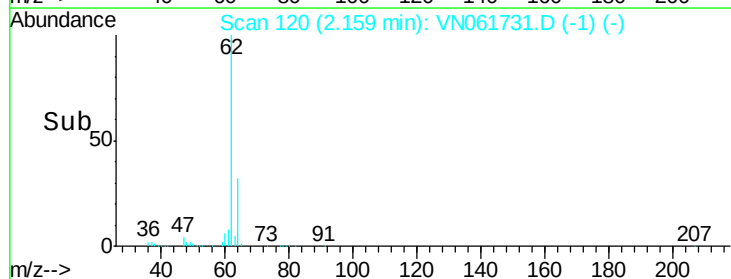
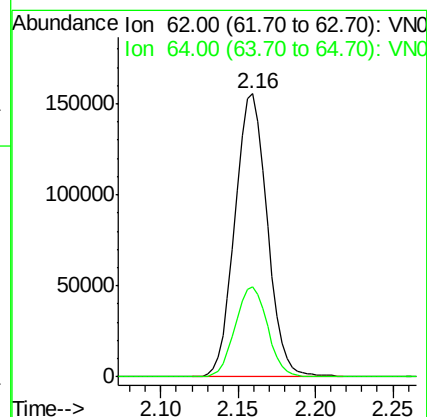
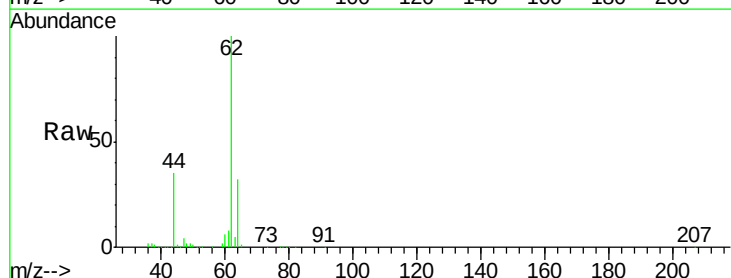
Acq: 10 Jun 2020 11:17

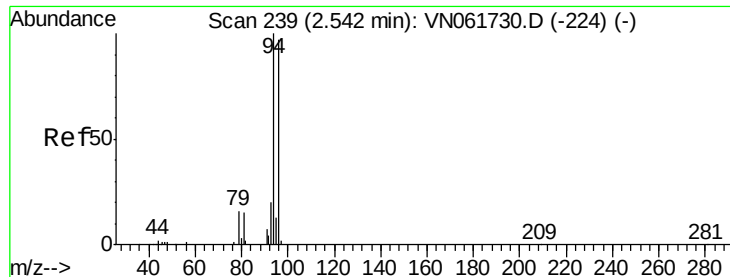
Tgt Ion: 62 Resp: 225071

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3





#5

Bromomethane

Concen: 42.00 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.01 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

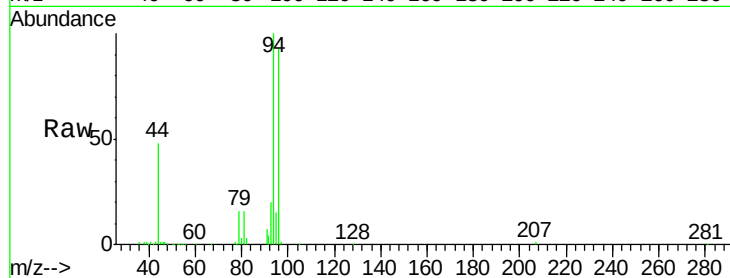
VSTDIC050

Tgt Ion: 94 Resp: 146004

Ion Ratio Lower Upper

94 100

96 93.2 77.4 116.2



Abundance Ion 94.00 (93.70 to 94.70): VN061731.D (-236) (-)

Ion 96.00 (95.70 to 96.70): VN061731.D (-236) (-)

2.53

80000

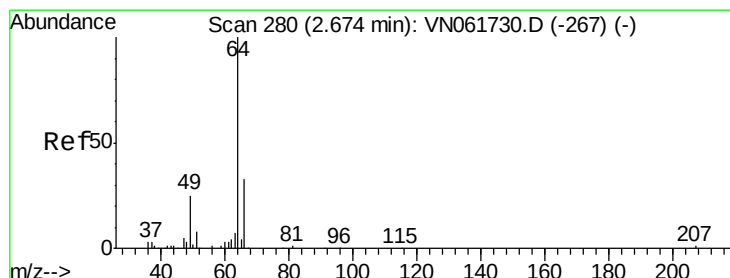
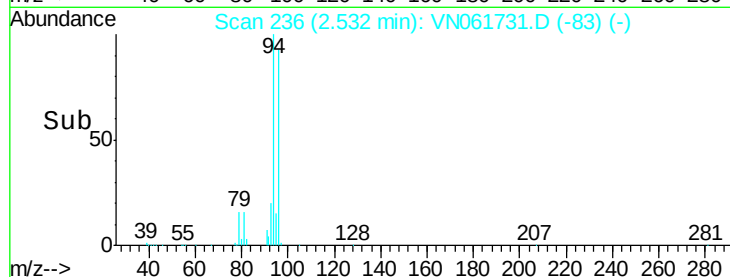
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 34.22 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.00 min

Lab File: VN061731.D

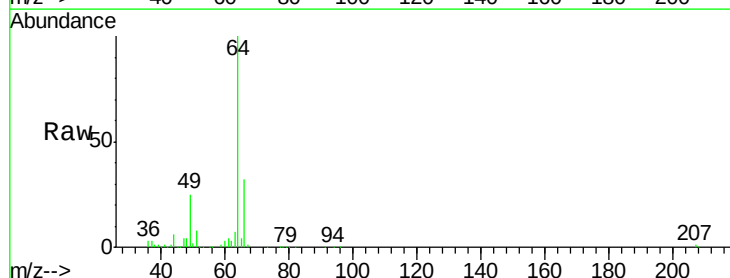
Acq: 10 Jun 2020 11:17

Tgt Ion: 64 Resp: 151691

Ion Ratio Lower Upper

64 100

66 32.0 26.6 39.8



Abundance Ion 64.00 (63.70 to 64.70): VN061731.D (-279) (-)

Ion 66.00 (65.70 to 66.70): VN061731.D (-279) (-)

2.67

80000

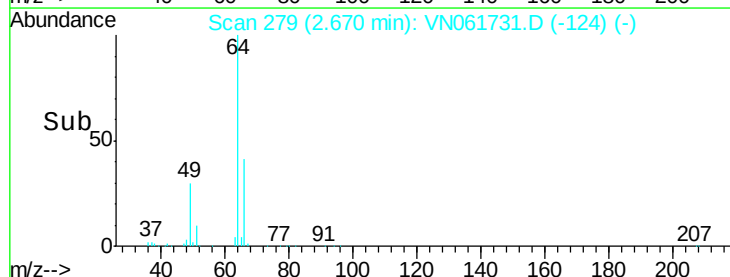
60000

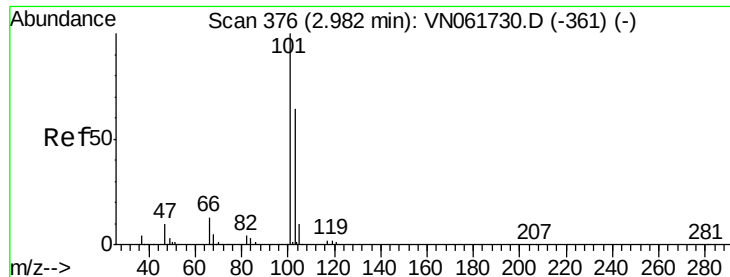
40000

20000

0

Time-->



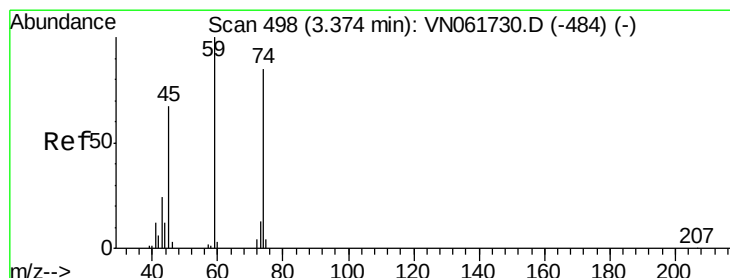
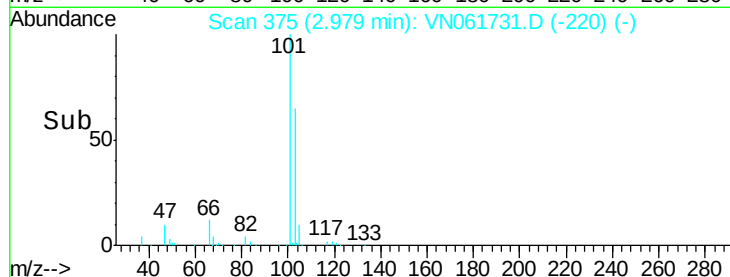
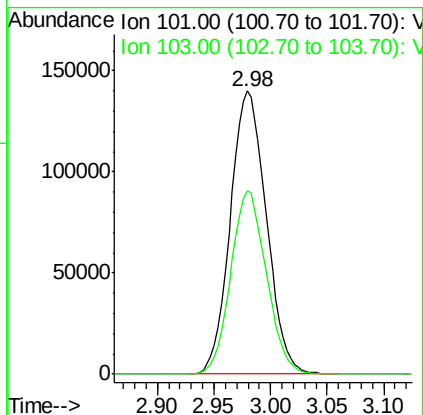
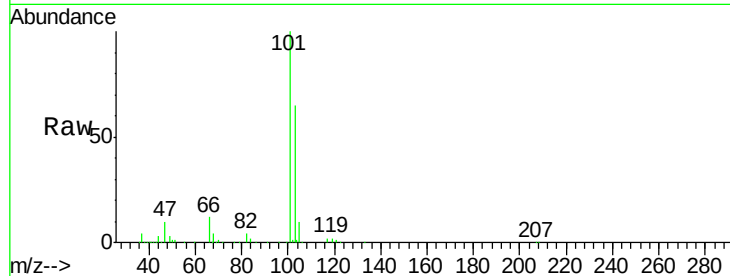


#7

Trichlorofluoromethane
 Concen: 41.76 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. -0.00 min
 Lab File: VN061731.D
 Acq: 10 Jun 2020 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

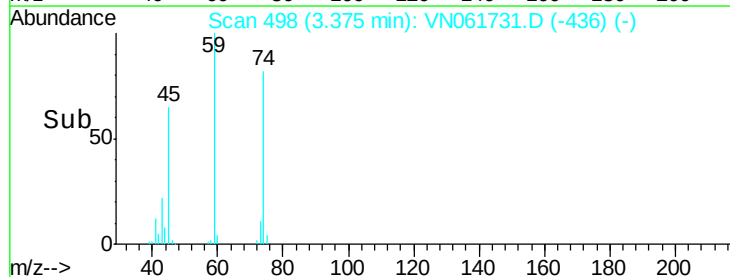
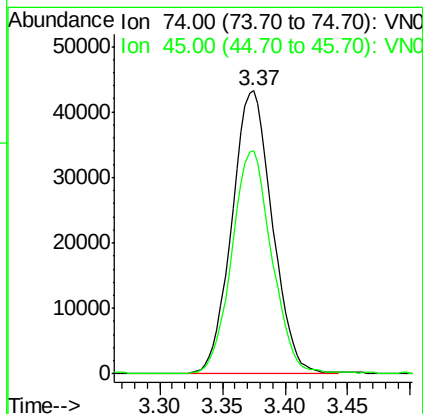
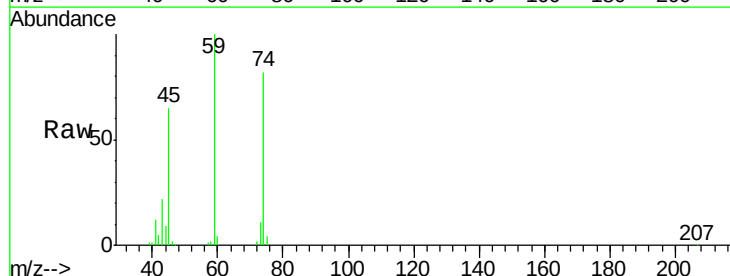
Tgt Ion: 101 Resp: 310622
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.1 76.7

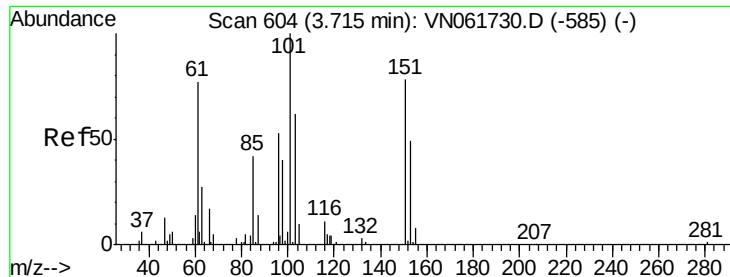


#8

Diethyl Ether
 Concen: 41.64 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN061731.D
 Acq: 10 Jun 2020 11:17

Tgt Ion: 74 Resp: 96877
 Ion Ratio Lower Upper
 74 100
 45 77.9 15.4 138.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.03 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

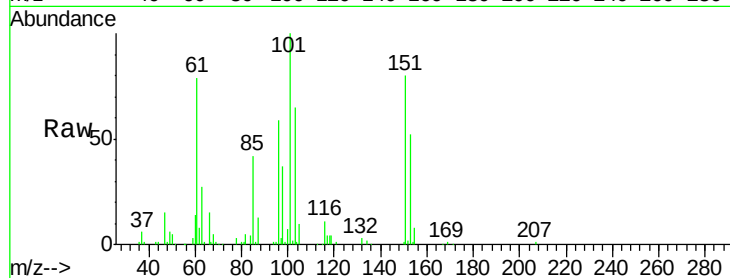
Tgt Ion:101 Resp: 157634

Ion Ratio Lower Upper

101 100

85 42.4 0.0 84.8

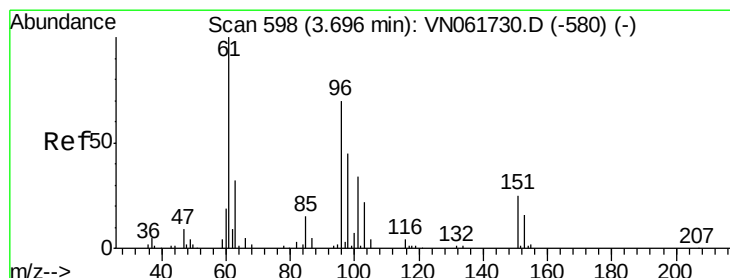
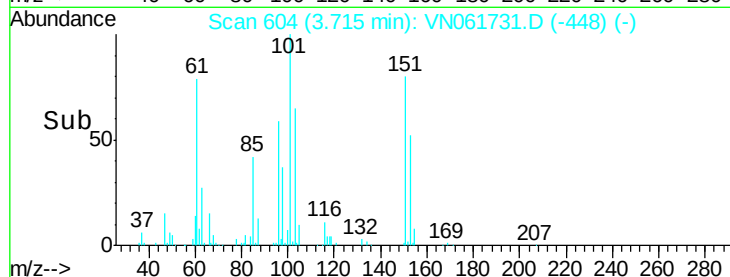
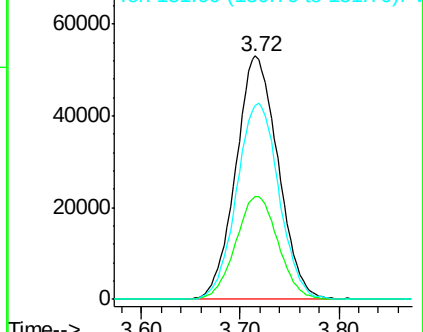
151 80.5 0.0 159.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 47.06 ug/l

RT: 3.70 min Scan# 598

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

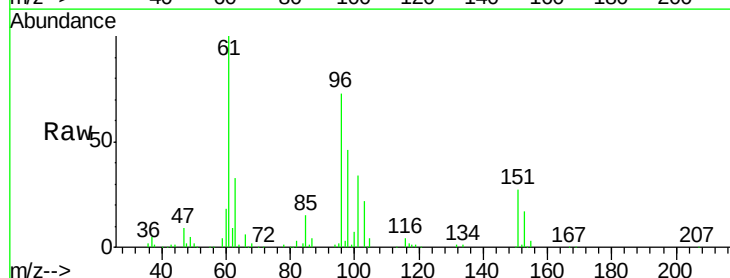
Tgt Ion: 96 Resp: 158055

Ion Ratio Lower Upper

96 100

61 136.3 114.9 172.3

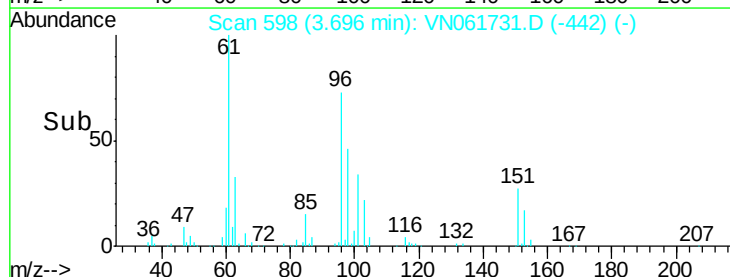
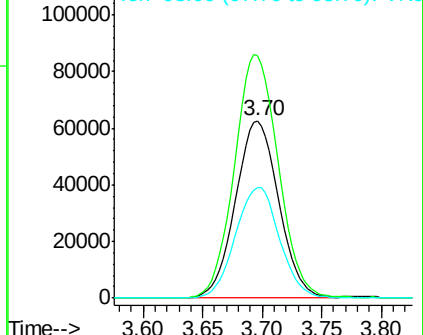
98 62.6 52.2 78.2

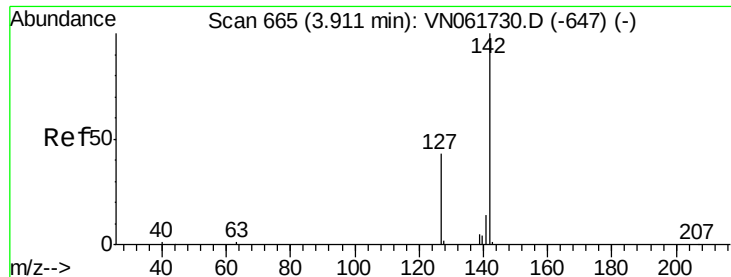


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

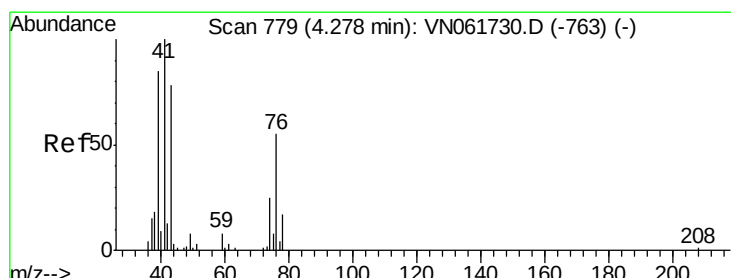
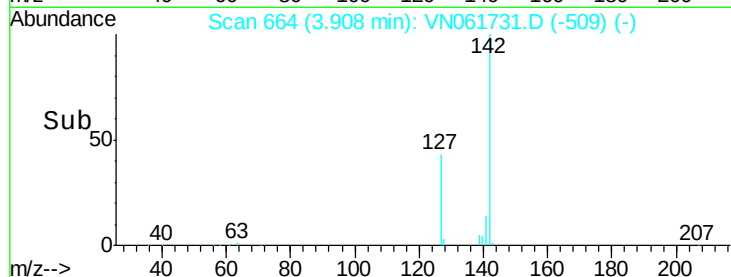
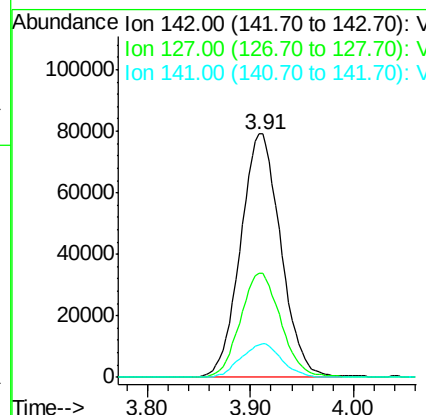
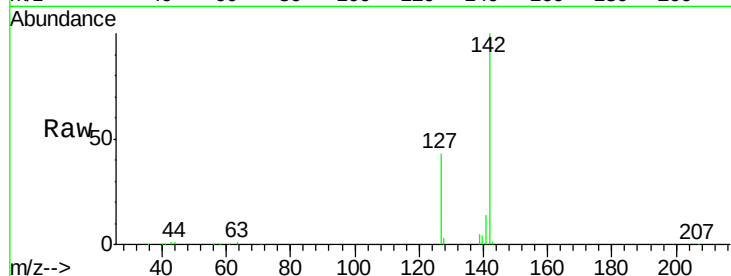




#11
Methyl Iodide
Concen: 56.06 ug/l
RT: 3.91 min Scan# 664
Delta R.T. -0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

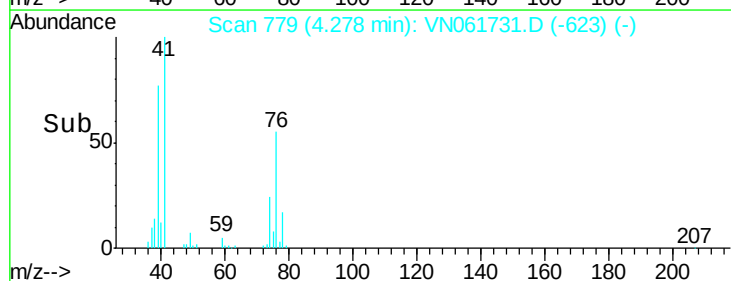
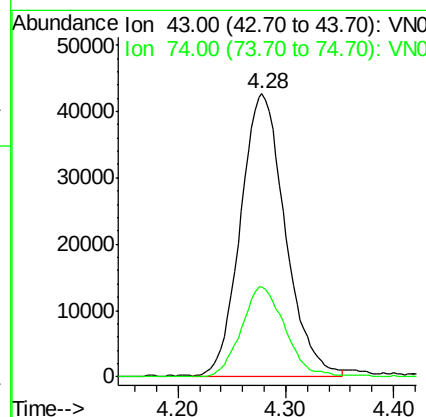
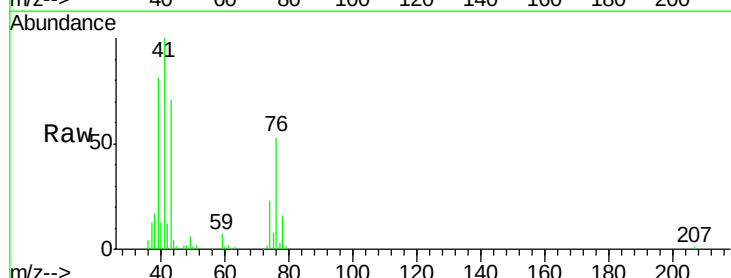
Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

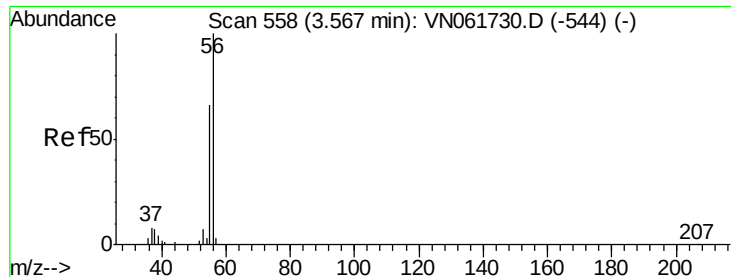
Tgt Ion:142 Resp: 214888
Ion Ratio Lower Upper
142 100
127 42.9 21.6 64.6
141 13.6 7.2 21.6



#12
Methyl Acetate
Concen: 31.97 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

Tgt Ion: 43 Resp: 121900
Ion Ratio Lower Upper
43 100
74 31.9 25.8 38.6





#13

Acrolein

Concen: 145.84 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

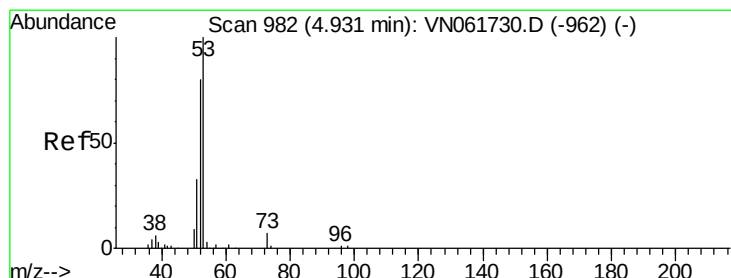
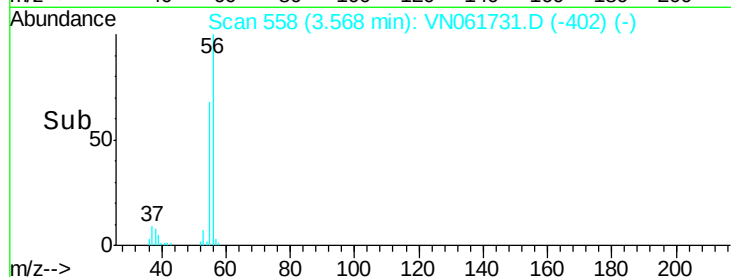
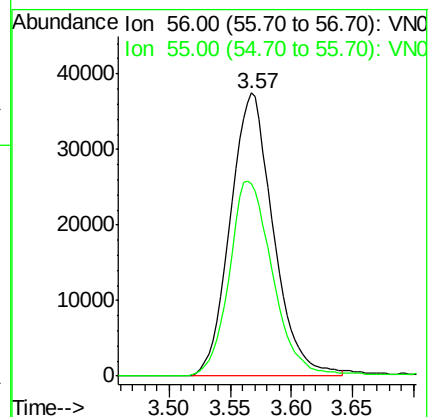
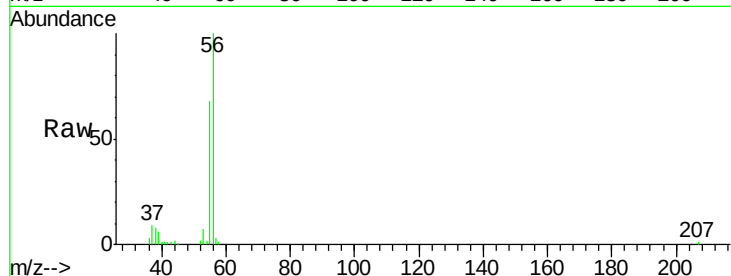
VSTDIC050

Tgt Ion: 56 Resp: 91846

Ion Ratio Lower Upper

56 100

55 69.2 53.9 80.9



#14

Acrylonitrile

Concen: 178.73 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

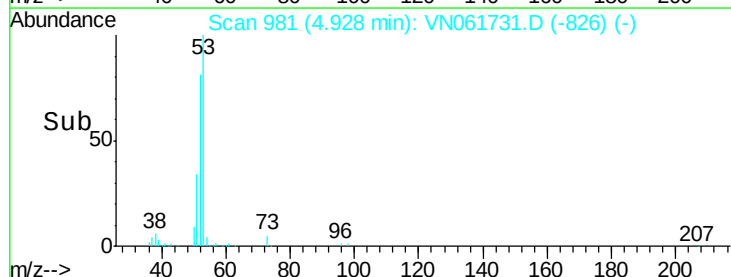
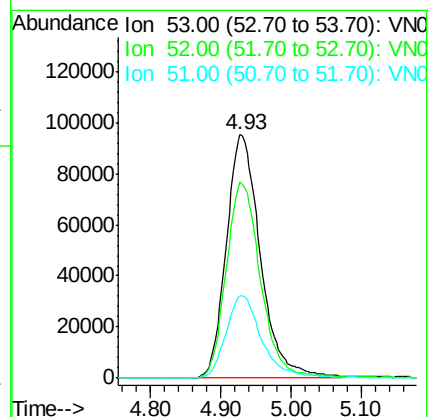
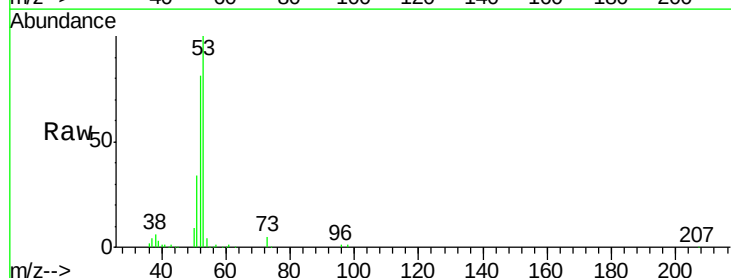
Tgt Ion: 53 Resp: 322214

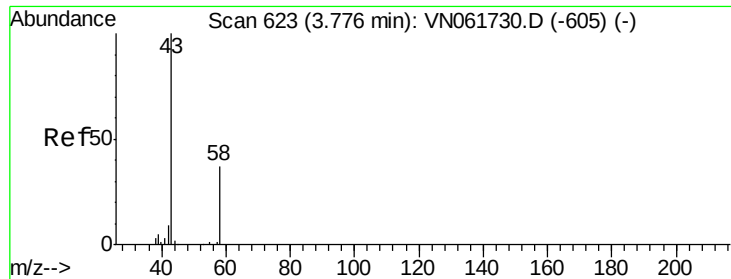
Ion Ratio Lower Upper

53 100

52 80.0 41.3 123.7

51 34.9 8.0 23.8#





#15

Acetone

Concen: 206.78 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

ClientSampled :

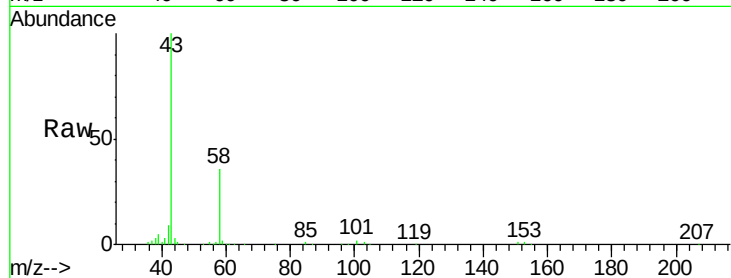
VSTDIC050

Tgt Ion: 58 Resp: 93132

Ion Ratio Lower Upper

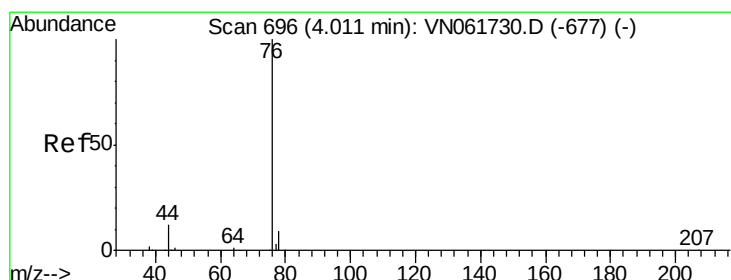
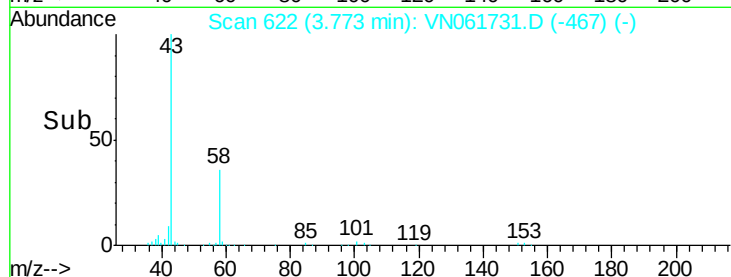
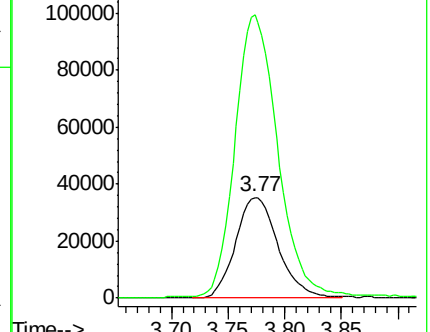
58 100

43 279.2 213.7 320.5



Abundance Ion 58.00 (57.70 to 58.70): VN061731.D (-605) (-)

Ion 43.00 (42.70 to 43.70): VN061731.D (-605) (-)



#16

Carbon Disulfide

Concen: 37.91 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN061731.D

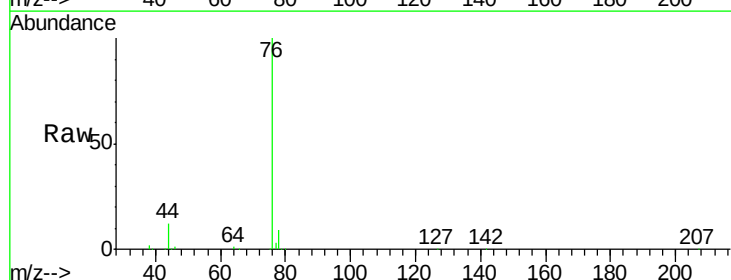
Acq: 10 Jun 2020 11:17

Tgt Ion: 76 Resp: 342201

Ion Ratio Lower Upper

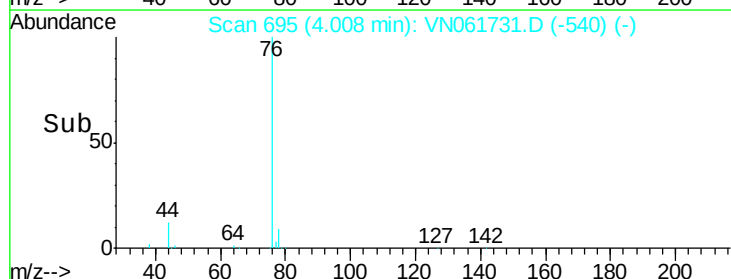
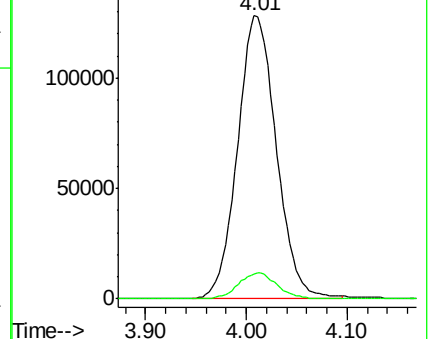
76 100

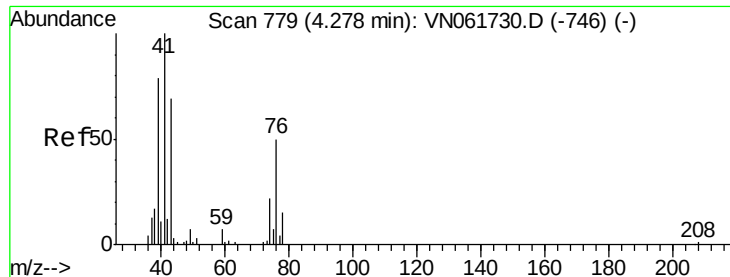
78 8.6 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VN061731.D (-677) (-)

Ion 78.00 (77.70 to 78.70): VN061731.D (-677) (-)

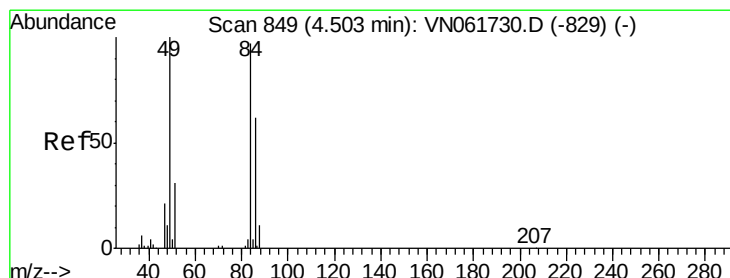
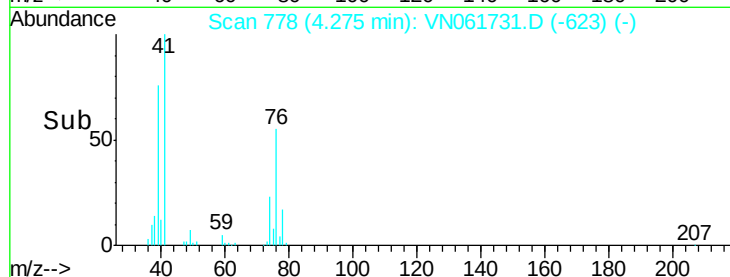
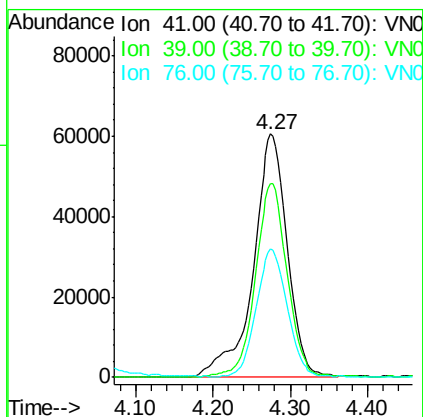
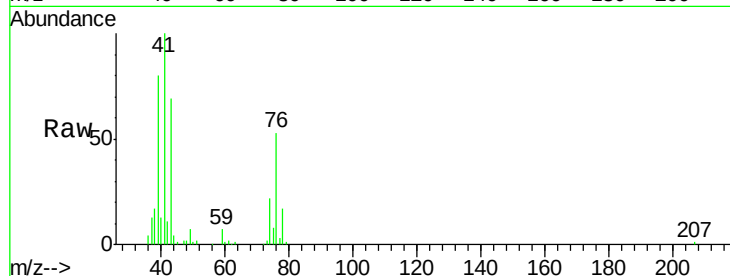




#17
 Allyl chloride
 Concen: 29.79 ug/l
 RT: 4.27 min Scan# 778
 Delta R.T. -0.00 min
 Lab File: VN061731.D
 Acq: 10 Jun 2020 11:17

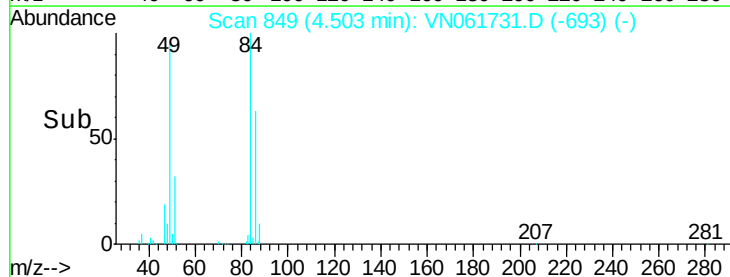
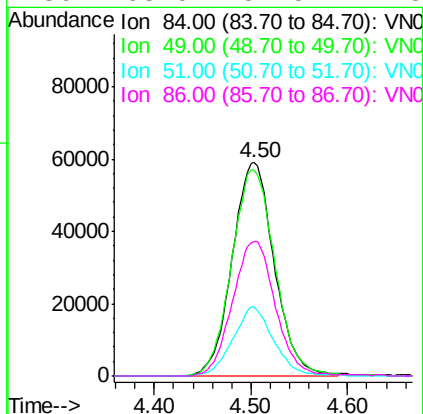
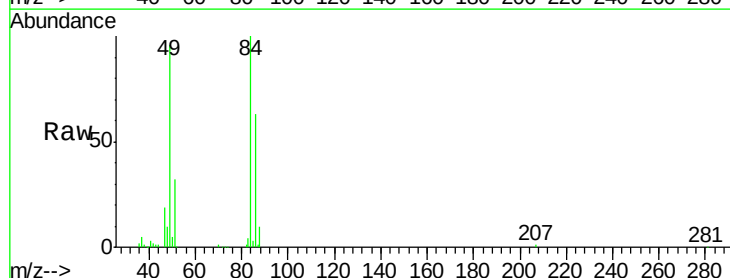
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

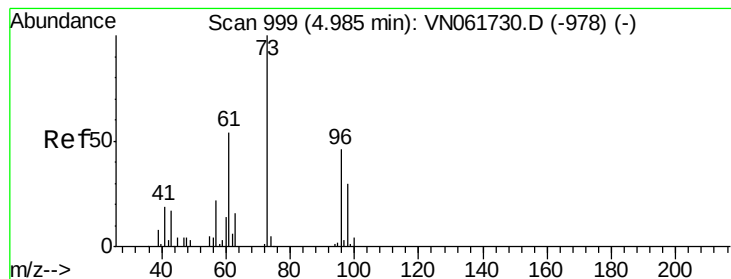
Tgt Ion: 41 Resp: 185954
 Ion Ratio Lower Upper
 41 100
 39 79.7 39.5 118.5
 76 52.4 24.9 74.7



#18
 Methylene Chloride
 Concen: 44.03 ug/l
 RT: 4.50 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VN061731.D
 Acq: 10 Jun 2020 11:17

Tgt Ion: 84 Resp: 177988
 Ion Ratio Lower Upper
 84 100
 49 95.9 82.6 124.0
 51 32.2 25.4 38.0
 86 63.0 51.5 77.3





#19

trans-1,2-Dichloroethene

Concen: 44.58 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

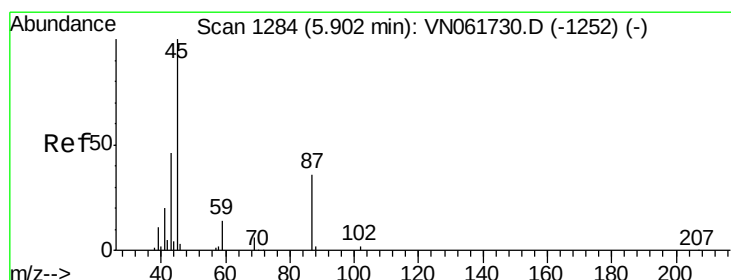
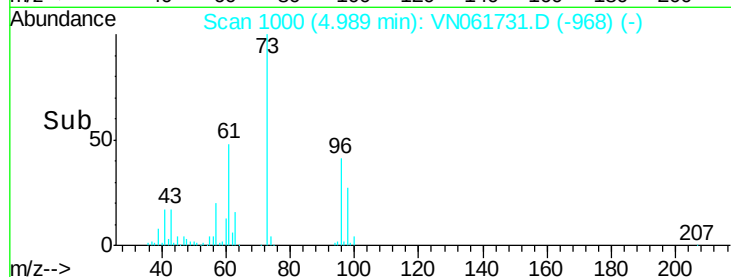
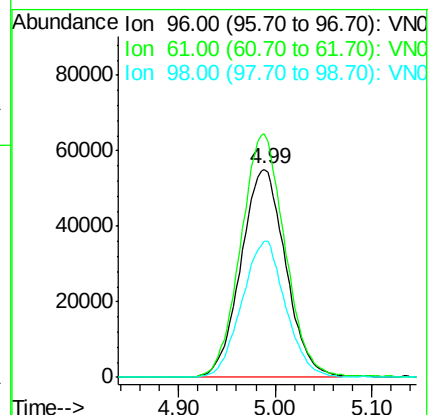
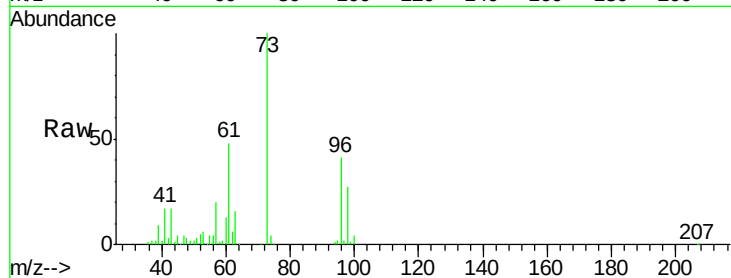
Tgt Ion: 96 Resp: 176932

Ion Ratio Lower Upper

96 100

61 116.8 95.4 143.0

98 65.5 52.6 79.0



#20

Diisopropyl ether

Concen: 28.98 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Tgt Ion: 45 Resp: 419911

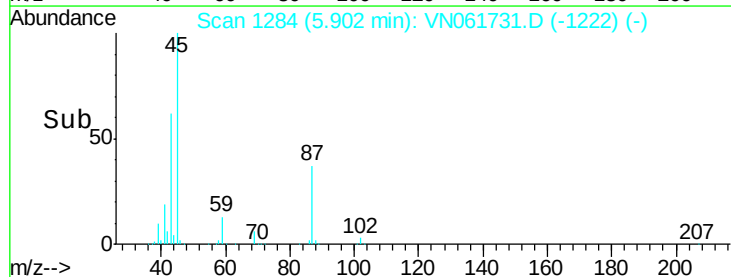
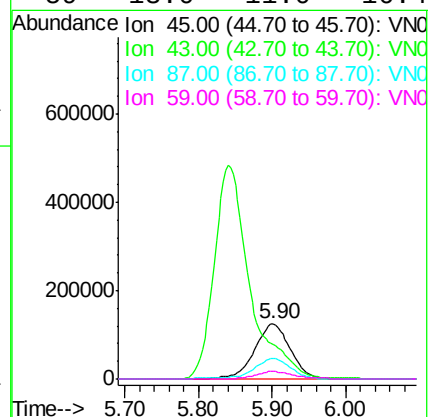
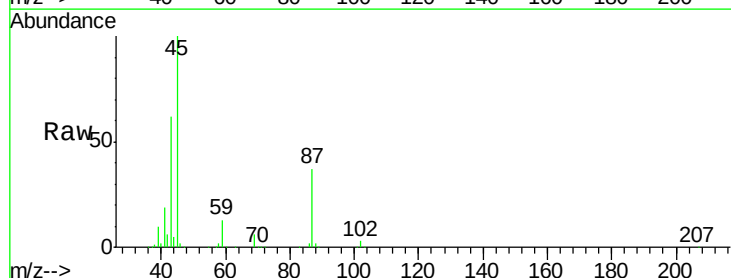
Ion Ratio Lower Upper

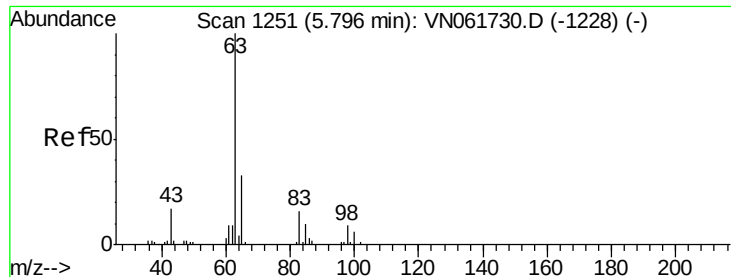
45 100

43 60.3 50.7 76.1

87 37.0 30.1 45.1

59 13.0 11.0 16.4

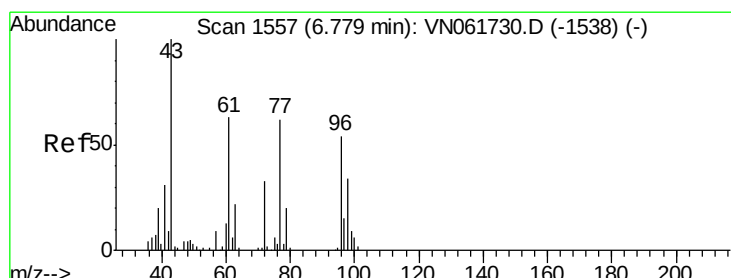
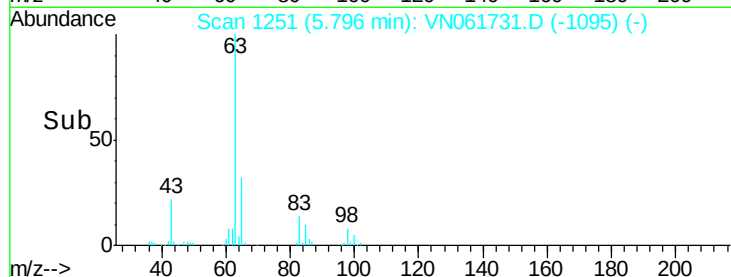
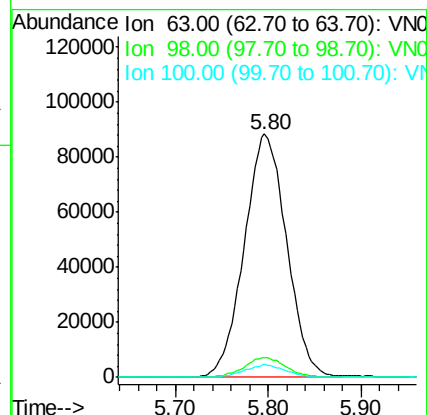
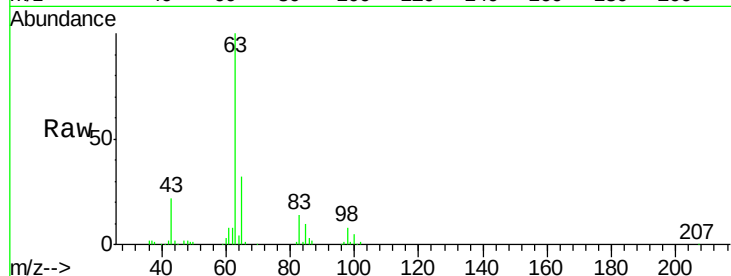




#21
 1,1-Dichloroethane
 Concen: 35.95 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VN061731.D
 Acq: 10 Jun 2020 11:17

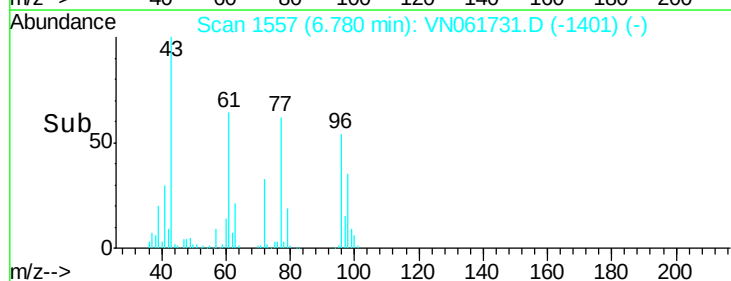
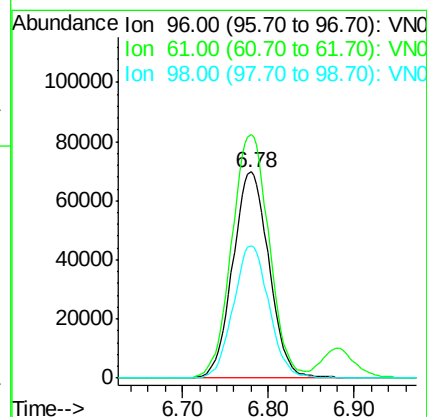
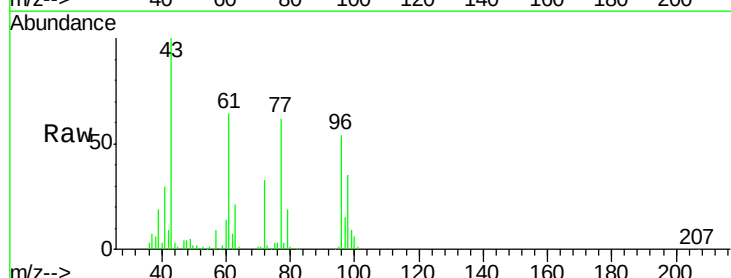
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

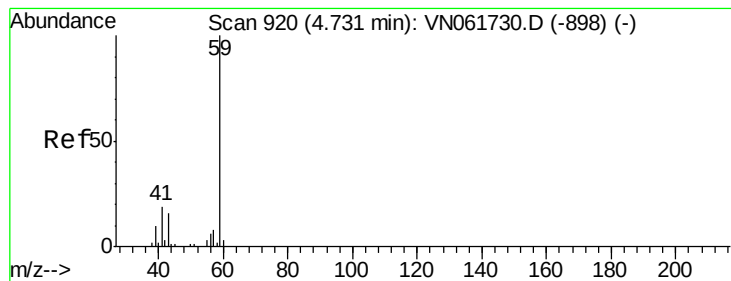
Tgt Ion: 63 Resp: 280682
 Ion Ratio Lower Upper
 63 100
 98 8.2 4.5 13.7
 100 5.2 2.9 8.7



#22
 cis-1,2-Dichloroethene
 Concen: 44.38 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. 0.00 min
 Lab File: VN061731.D
 Acq: 10 Jun 2020 11:17

Tgt Ion: 96 Resp: 204224
 Ion Ratio Lower Upper
 96 100
 61 122.0 100.6 151.0
 98 63.3 52.6 79.0





#23

tert-Butyl Alcohol

Concen: 205.88 ug/l

RT: 4.73 min Scan# 921

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

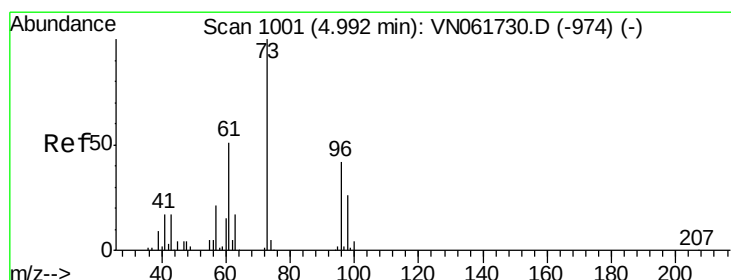
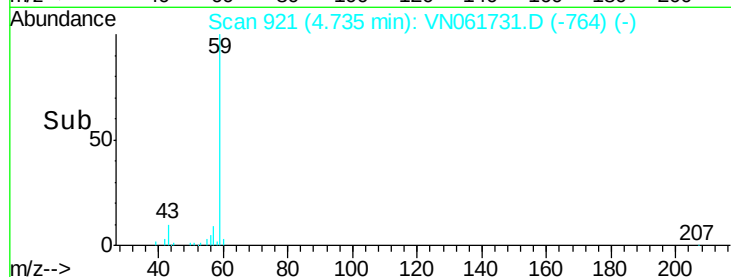
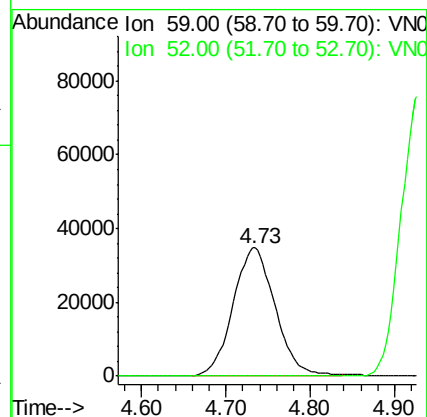
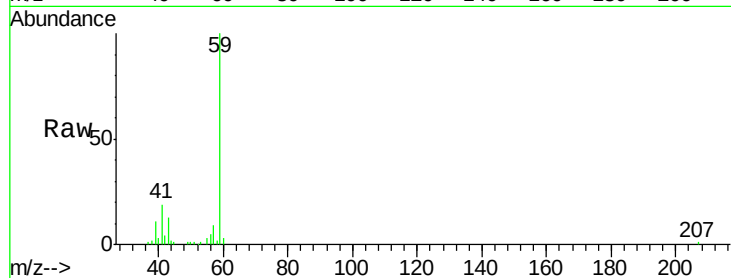
VSTDIC050

Tgt Ion: 59 Resp: 121142

Ion Ratio Lower Upper

59 100

52 0.1 0.0 0.0#



#24

Methyl tert-Butyl Ether

Concen: 38.09 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN061731.D

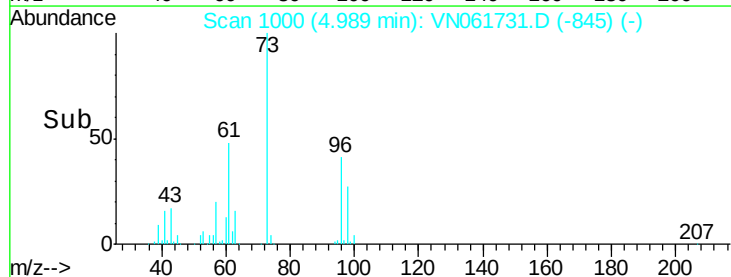
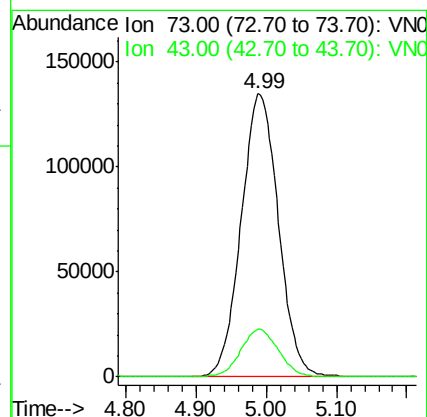
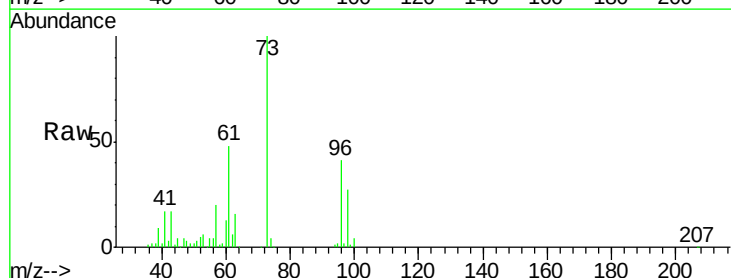
Acq: 10 Jun 2020 11:17

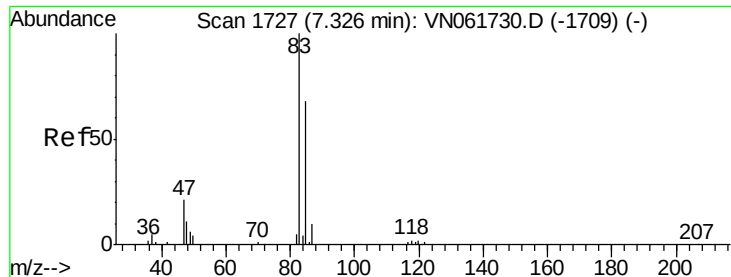
Tgt Ion: 73 Resp: 496693

Ion Ratio Lower Upper

73 100

43 16.7 7.0 10.4#

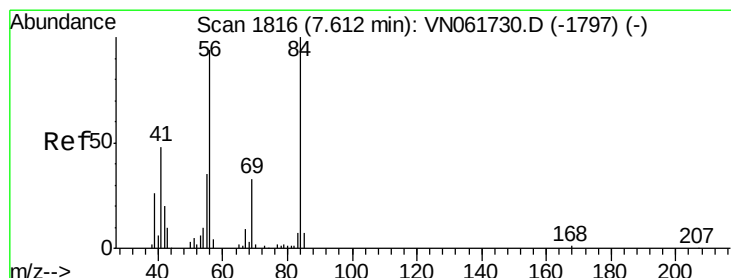
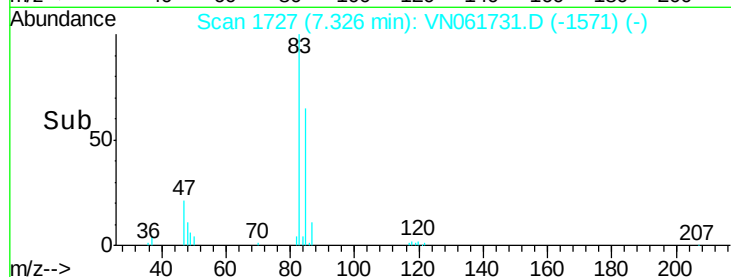
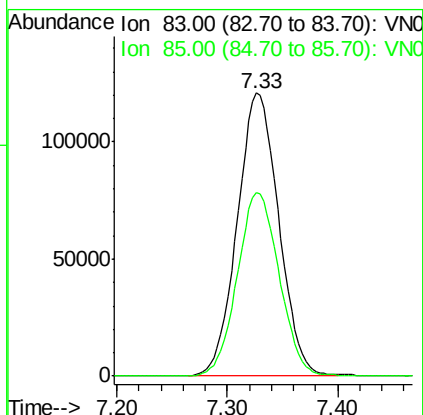
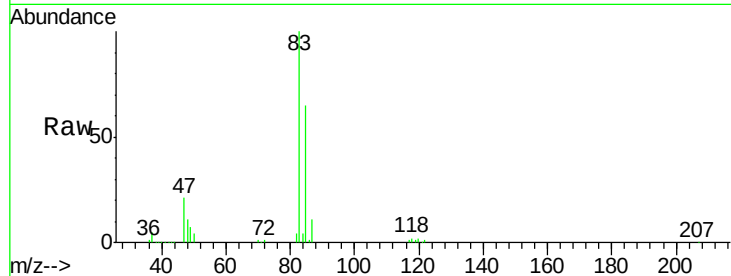




#25
Chloroform
Concen: 40.82 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

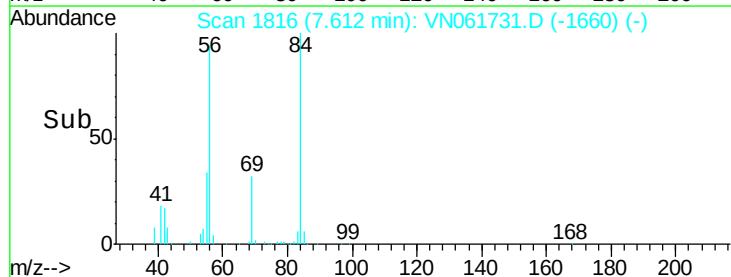
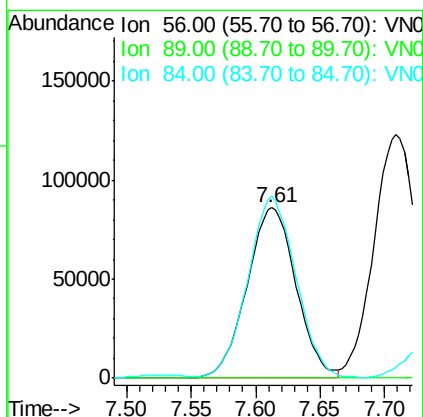
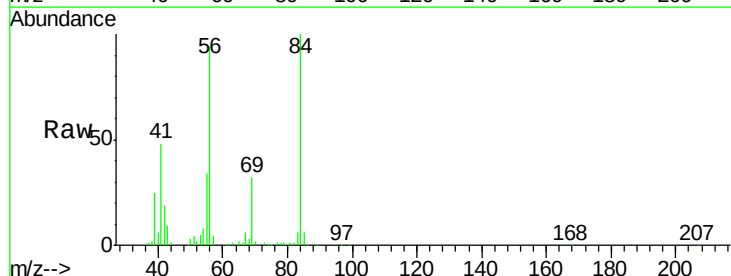
Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

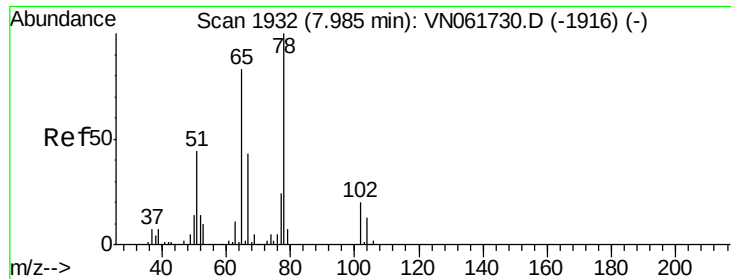
Tgt Ion: 83 Resp: 315639
Ion Ratio Lower Upper
83 100
85 65.0 54.2 81.4



#26
Cyclohexane
Concen: 31.48 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

Tgt Ion: 56 Resp: 228401
Ion Ratio Lower Upper
56 100
89 0.1 0.0 0.0#
84 105.1 83.5 125.3

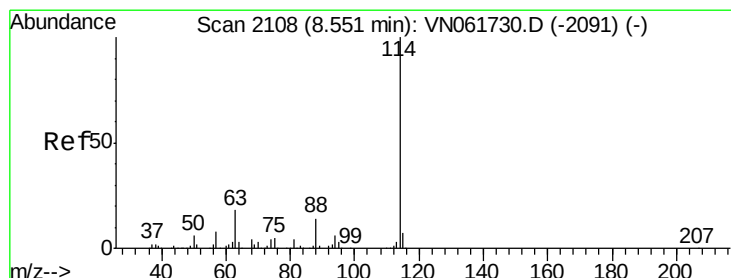
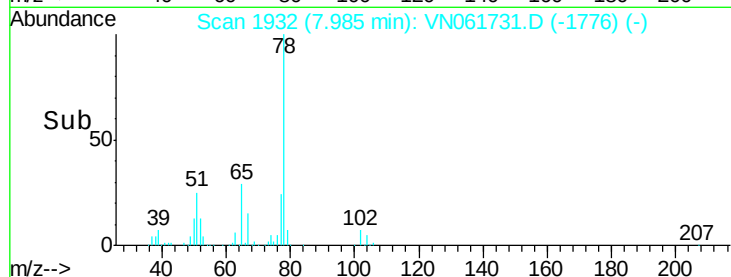
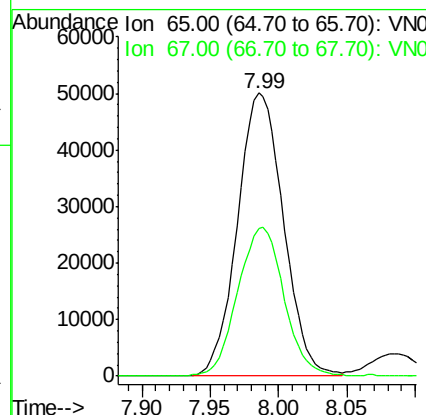
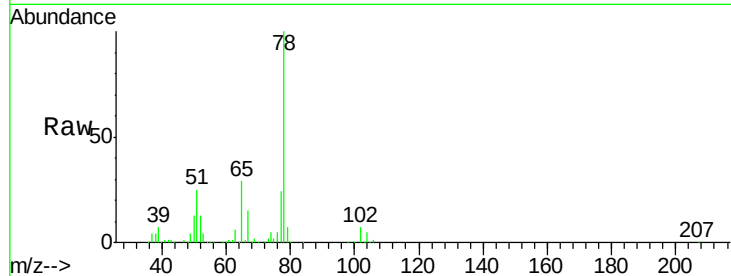




#27
 1,2-Dichloroethane-d4
 Concen: 21.85 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. 0.00 min
 Lab File: VN061731.D
 Acq: 10 Jun 2020 11:17

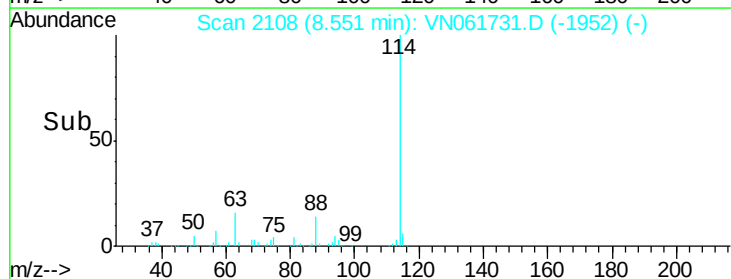
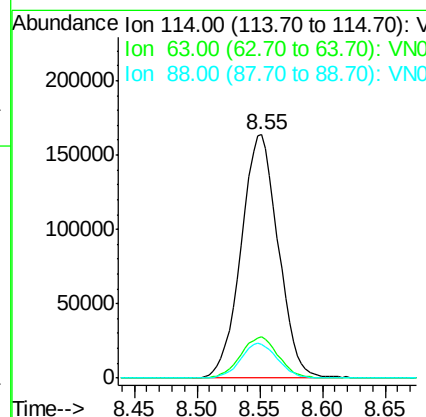
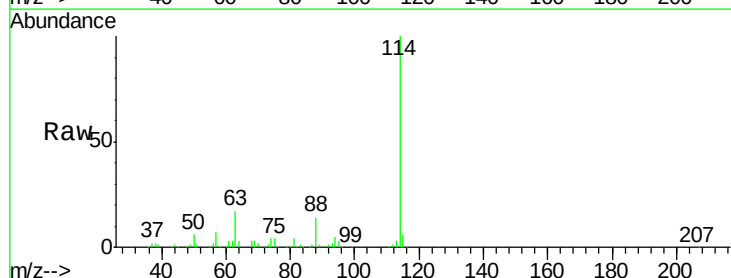
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

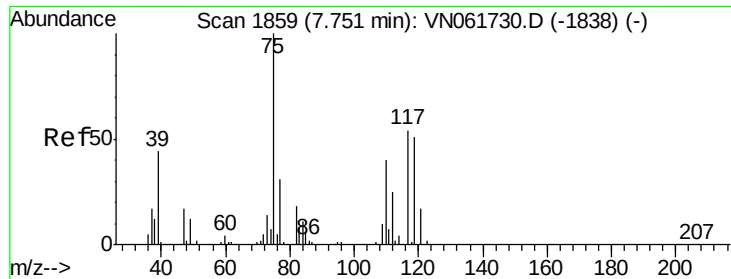
Tgt Ion: 65 Resp: 117498
 Ion Ratio Lower Upper
 65 100
 67 52.8 42.2 63.4



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061731.D
 Acq: 10 Jun 2020 11:17

Tgt Ion: 114 Resp: 336568
 Ion Ratio Lower Upper
 114 100
 63 17.2 14.2 21.2
 88 14.1 11.4 17.2

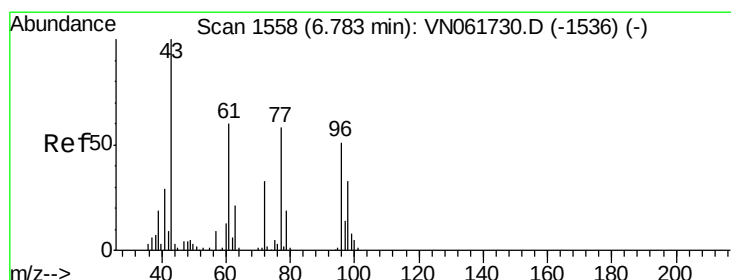
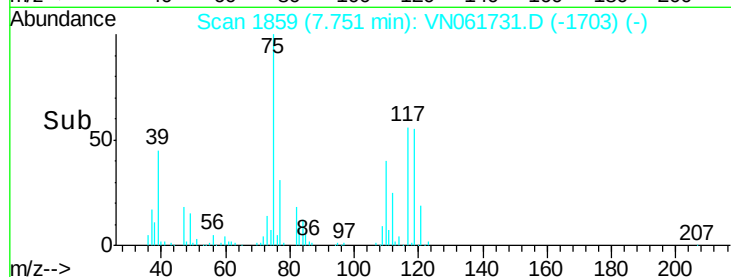
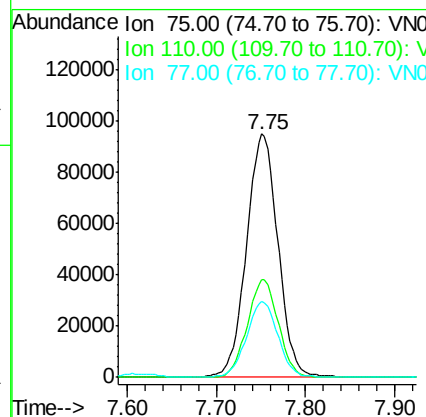
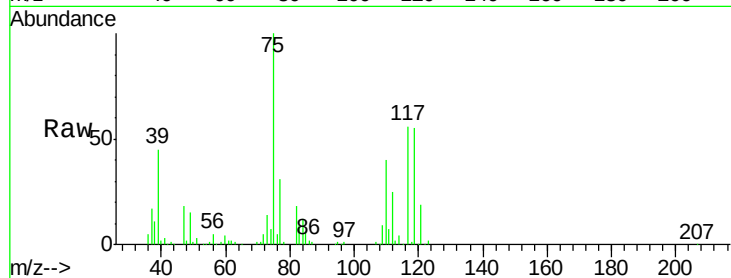




#29
 1,1-Dichloropropene
 Concen: 41.64 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN061731.D
 Acq: 10 Jun 2020 11:17

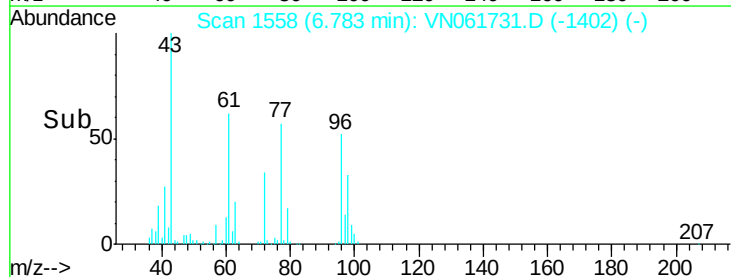
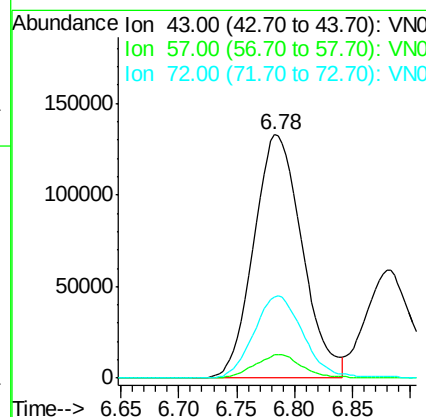
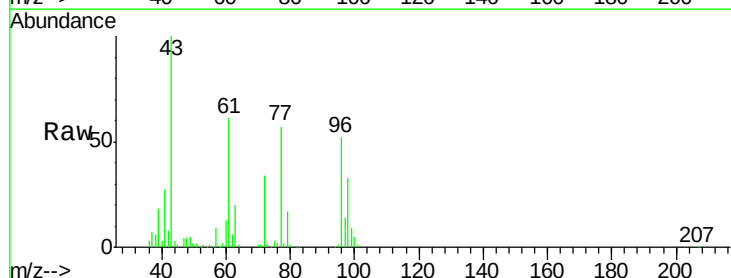
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

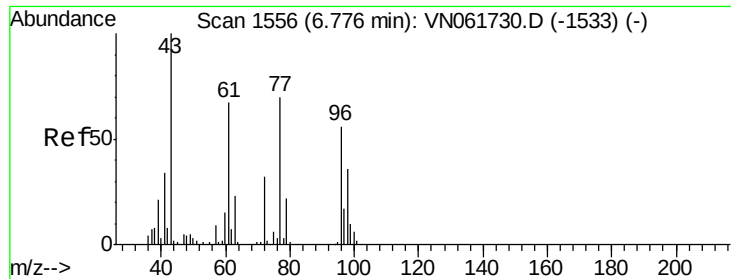
Tgt Ion: 75 Resp: 232005
 Ion Ratio Lower Upper
 75 100
 110 39.4 0.0 78.6
 77 31.4 0.0 62.4



#30
 2-Butanone
 Concen: 168.97 ug/l
 RT: 6.78 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: VN061731.D
 Acq: 10 Jun 2020 11:17

Tgt Ion: 43 Resp: 385375
 Ion Ratio Lower Upper
 43 100
 57 9.4 7.6 11.4
 72 34.4 27.8 41.6

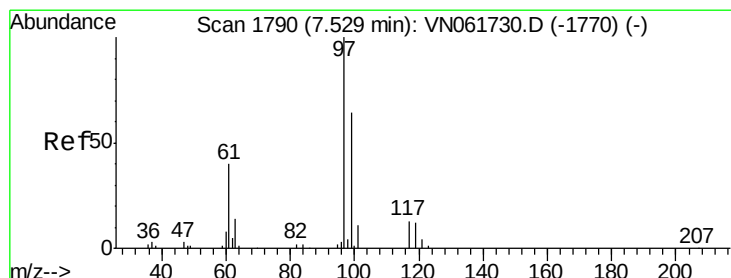
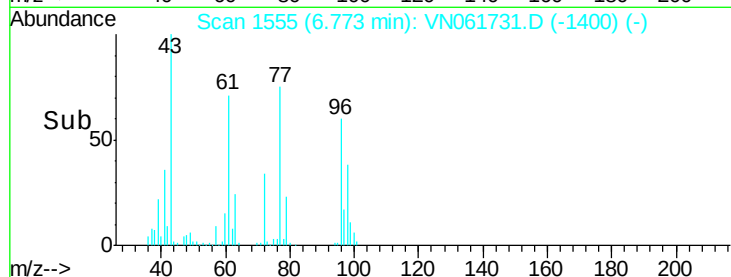
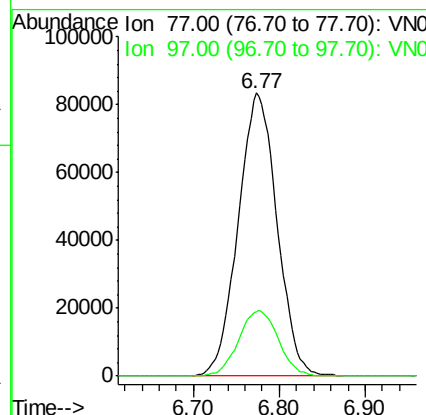
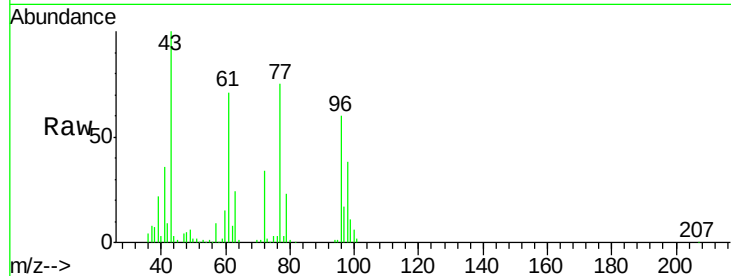




#31
 2,2-Dichloropropane
 Concen: 40.13 ug/l
 RT: 6.77 min Scan# 1555
 Delta R.T. -0.00 min
 Lab File: VN061731.D
 Acq: 10 Jun 2020 11:17

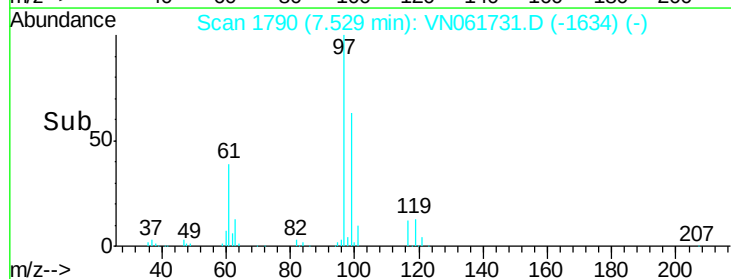
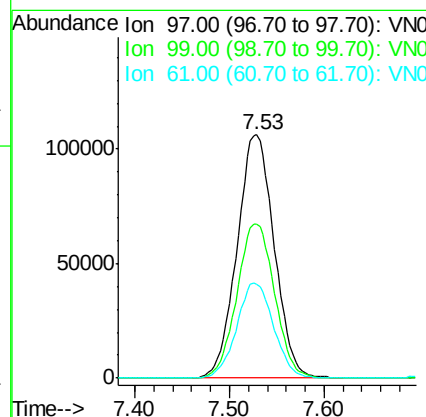
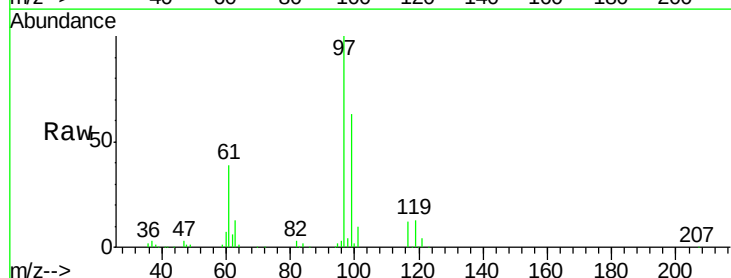
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

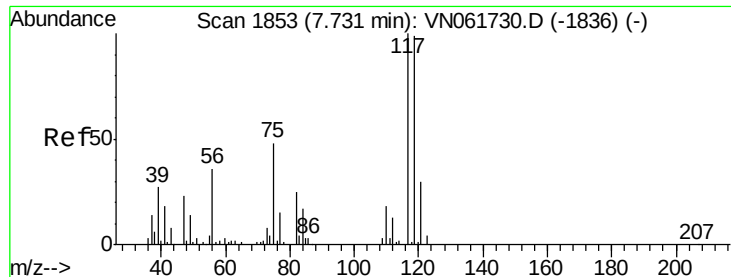
Tgt Ion: 77 Resp: 261737
 Ion Ratio Lower Upper
 77 100
 97 23.8 19.6 29.4



#32
 1,1,1-Trichloroethane
 Concen: 45.44 ug/l
 RT: 7.53 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VN061731.D
 Acq: 10 Jun 2020 11:17

Tgt Ion: 97 Resp: 289804
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.9 77.9
 61 38.9 32.3 48.5





#33

Carbon Tetrachloride

Concen: 48.57 ug/l

RT: 7.73 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

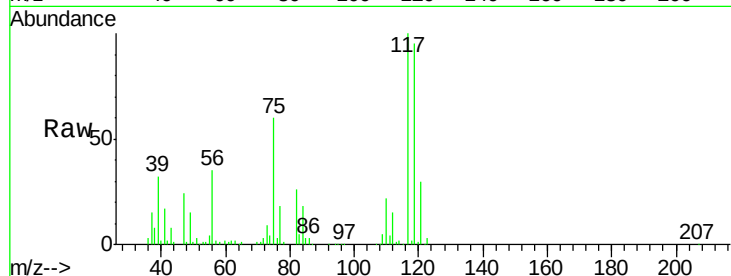
Tgt Ion:117 Resp: 240066

Ion Ratio Lower Upper

117 100

119 95.2 79.3 118.9

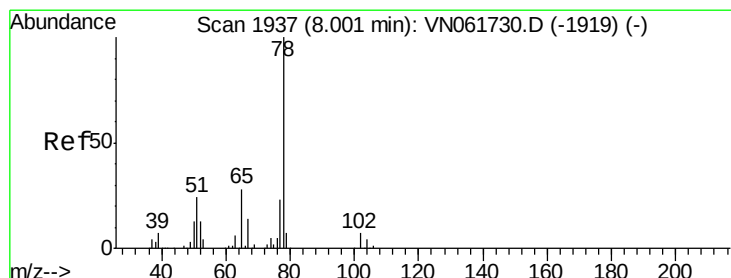
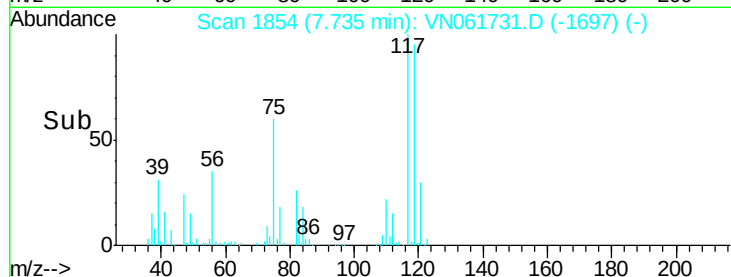
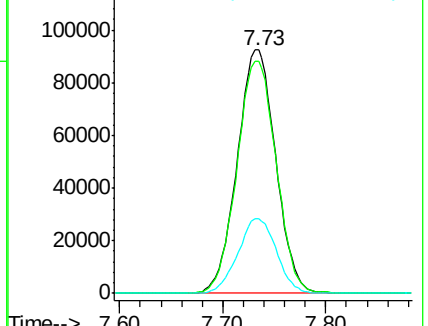
121 30.5 24.2 36.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 44.54 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

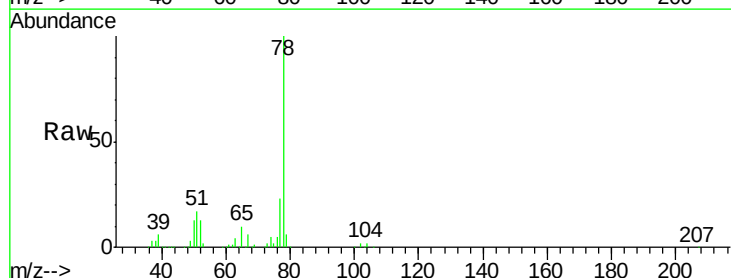
Tgt Ion: 78 Resp: 711757

Ion Ratio Lower Upper

78 100

77 23.3 18.4 27.6

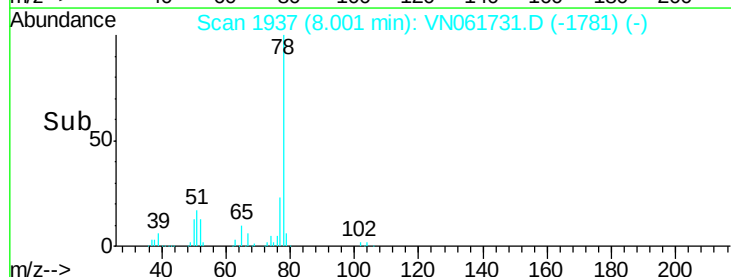
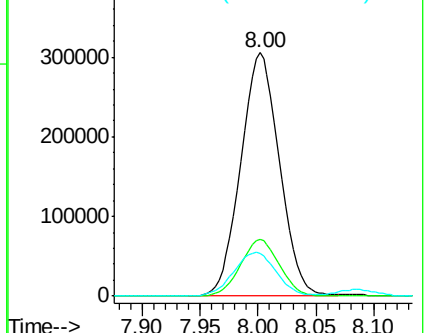
51 17.3 19.1 28.7#

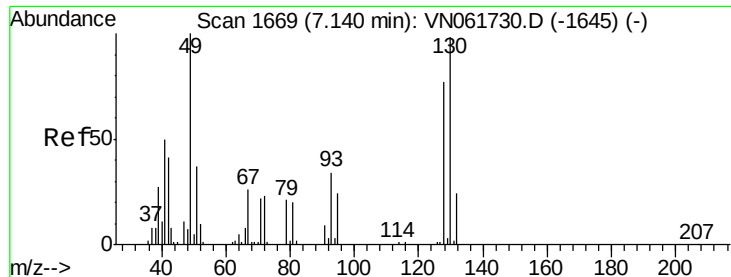


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

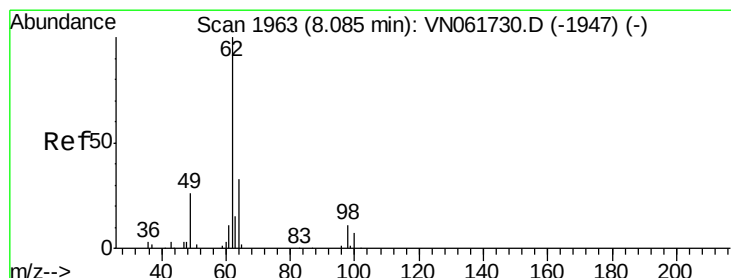
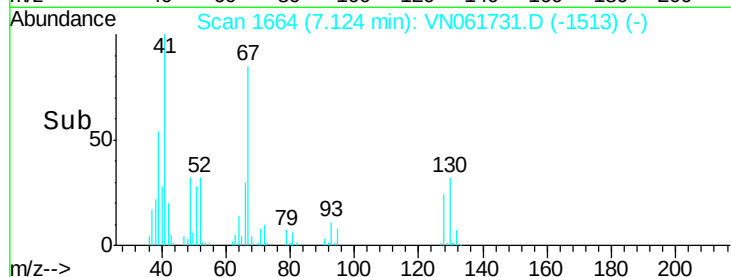
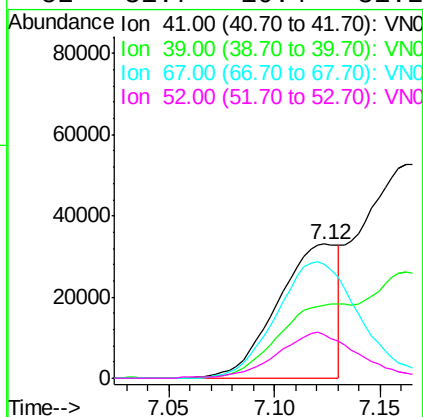
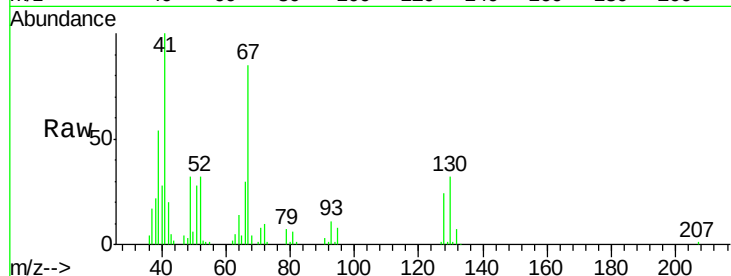




#35
Methacrylonitrile
Concen: 30.08 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.02 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

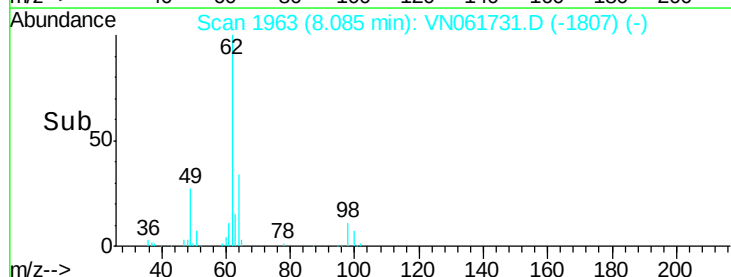
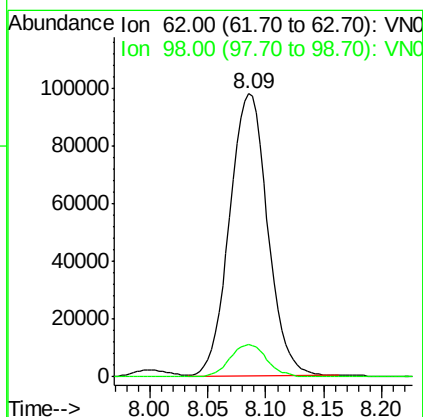
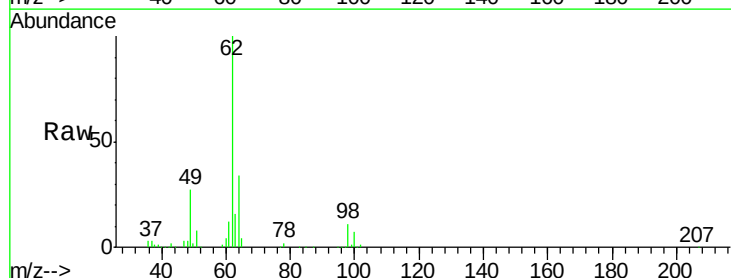
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

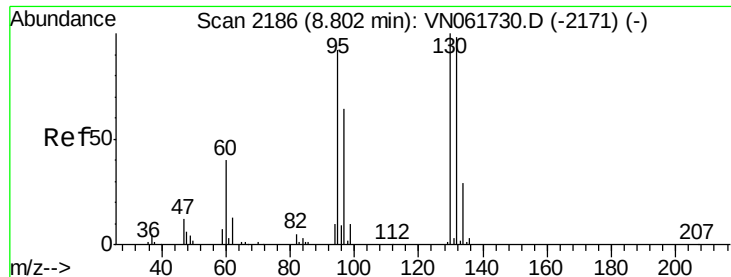
Tgt Ion: 41 Resp: 65895
Ion Ratio Lower Upper
41 100
39 54.3 26.5 79.5
67 84.7 25.4 76.2#
52 31.7 10.4 31.2#



#36
1,2-Dichloroethane
Concen: 37.67 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

Tgt Ion: 62 Resp: 224175
Ion Ratio Lower Upper
62 100
98 11.3 9.4 14.2





#37

Trichloroethene

Concen: 53.03 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

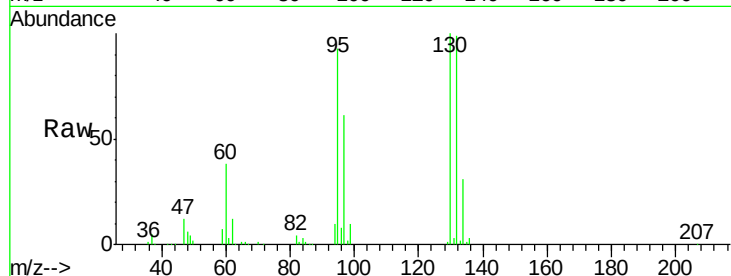
VSTDIC050

Tgt Ion:130 Resp: 218278

Ion Ratio Lower Upper

130 100

95 92.9 73.9 110.9



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.80

100000

80000

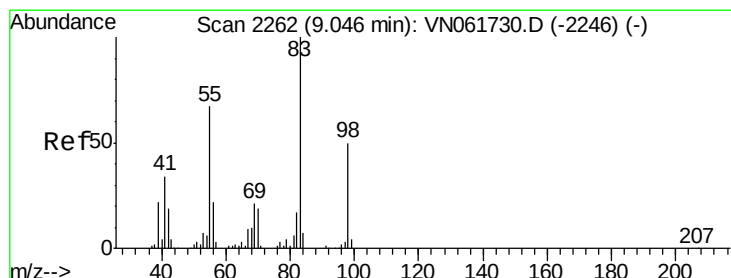
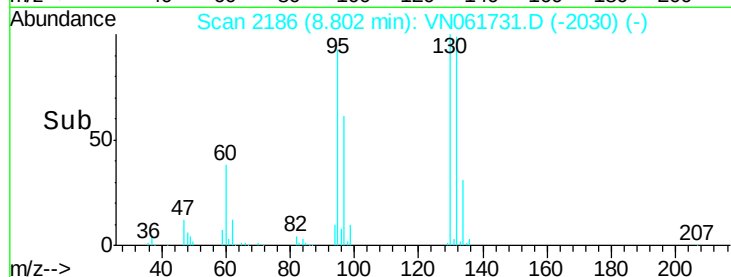
60000

40000

20000

0

Time-->



#38

Methylcyclohexane

Concen: 40.62 ug/l

RT: 9.05 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

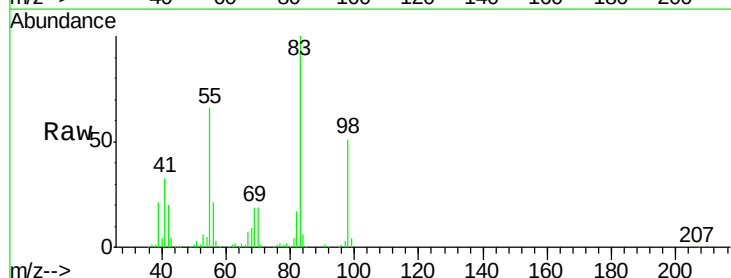
Tgt Ion: 83 Resp: 269187

Ion Ratio Lower Upper

83 100

55 64.9 32.7 98.1

98 50.6 25.4 76.4



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

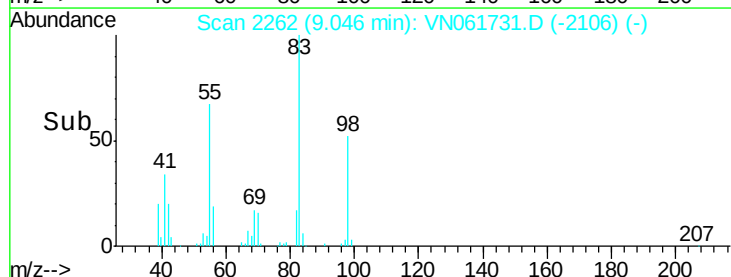
150000

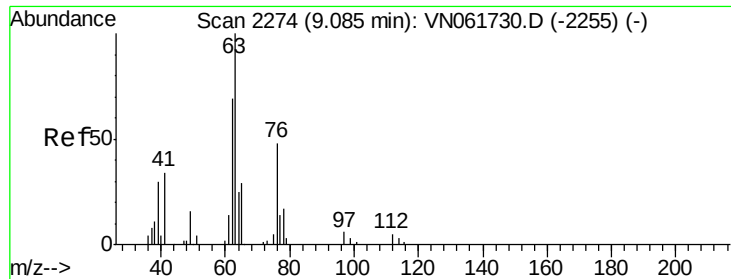
100000

50000

0

Time-->

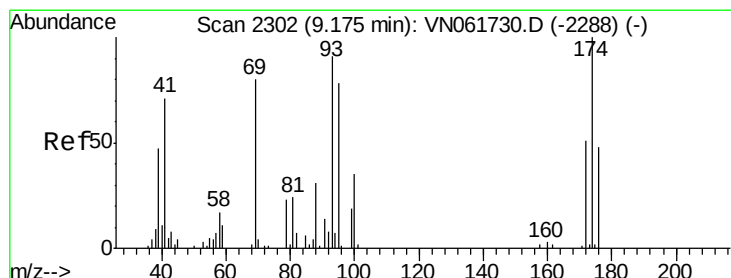
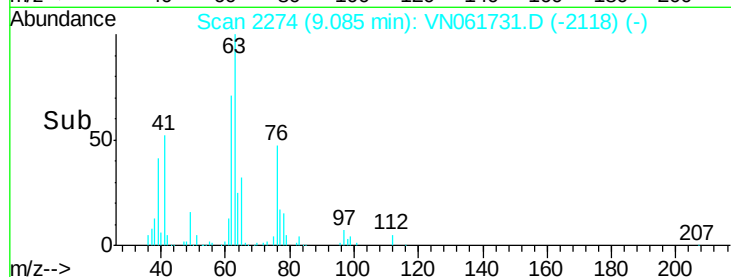
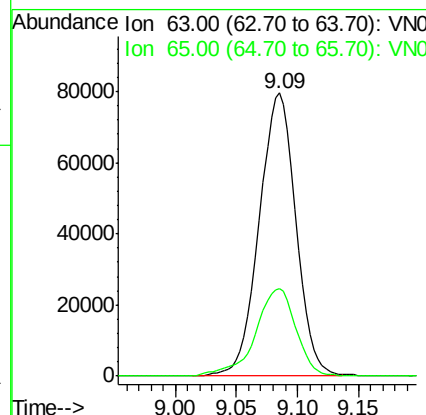
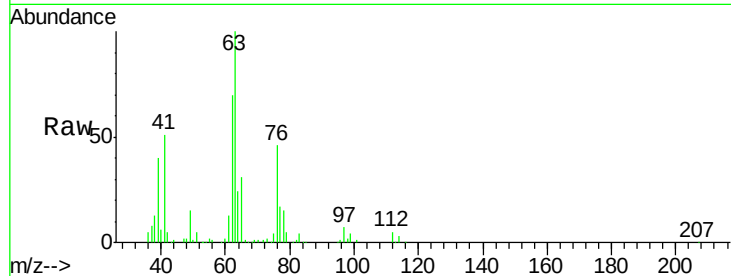




#39
 1,2-Dichloropropane
 Concen: 38.88 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN061731.D
 Acq: 10 Jun 2020 11:17

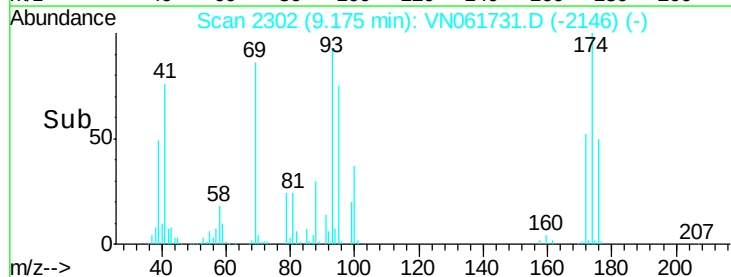
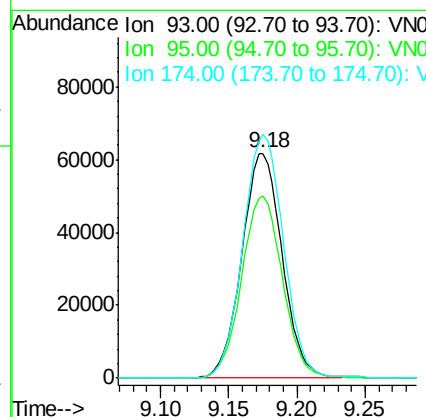
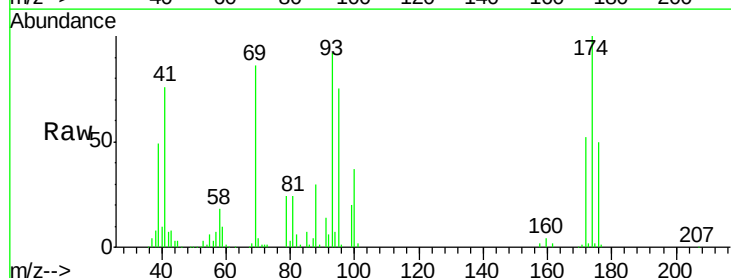
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

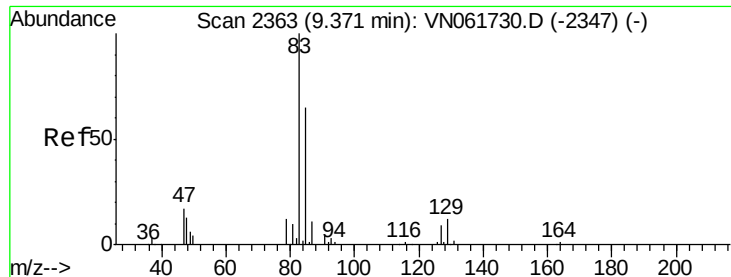
Tgt Ion: 63 Resp: 166186
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.3 36.5



#40
 Dibromomethane
 Concen: 46.20 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN061731.D
 Acq: 10 Jun 2020 11:17

Tgt Ion: 93 Resp: 126926
 Ion Ratio Lower Upper
 93 100
 95 82.0 0.0 165.8
 174 109.1 0.0 217.8

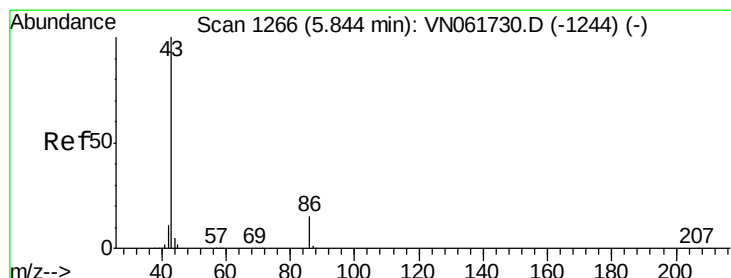
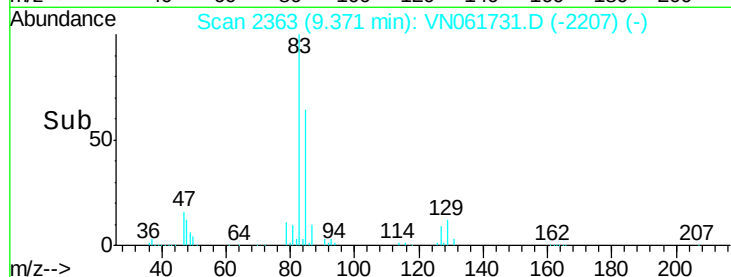
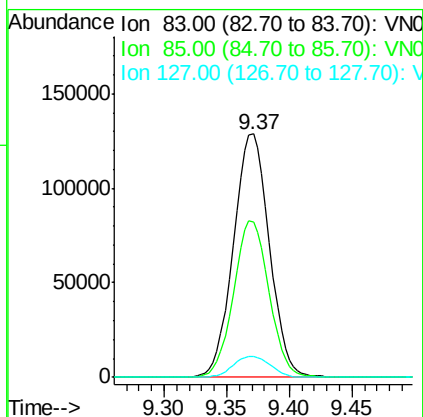
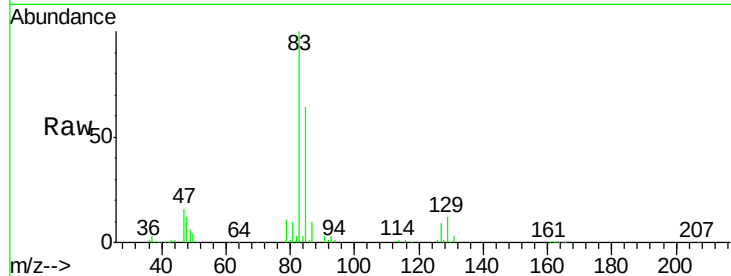




#41
 Bromodichloromethane
 Concen: 43.71 ug/l
 RT: 9.37 min Scan# 2363
 Delta R.T. 0.00 min
 Lab File: VN061731.D
 Acq: 10 Jun 2020 11:17

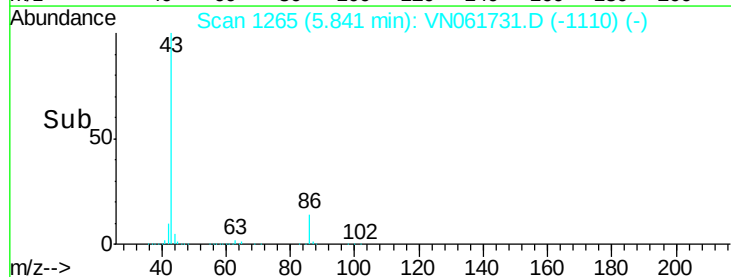
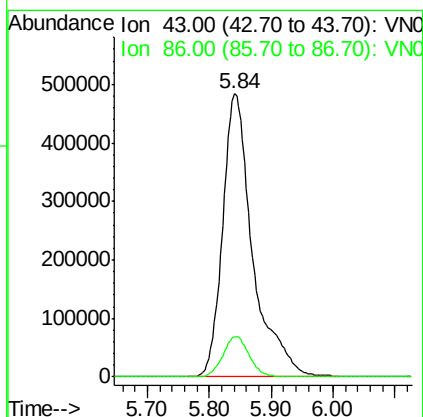
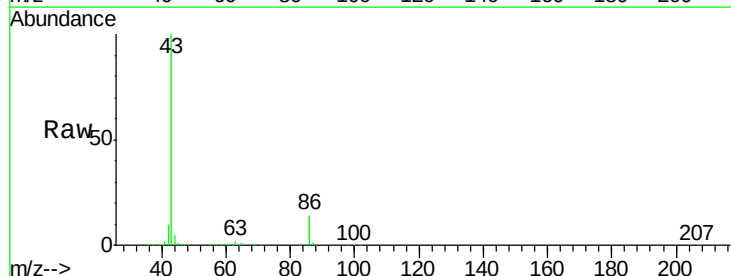
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

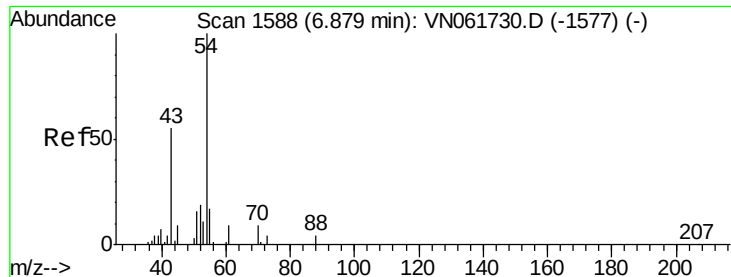
Tgt Ion: 83 Resp: 256372
 Ion Ratio Lower Upper
 83 100
 85 63.6 52.2 78.4
 127 8.7 7.2 10.8



#42
 Vinyl Acetate
 Concen: 152.63 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN061731.D
 Acq: 10 Jun 2020 11:17

Tgt Ion: 43 Resp: 1632275
 Ion Ratio Lower Upper
 43 100
 86 12.5 10.0 15.0

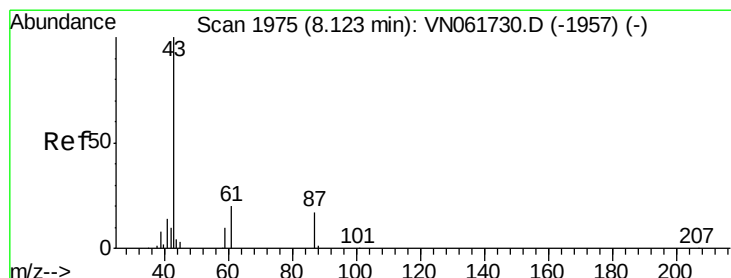
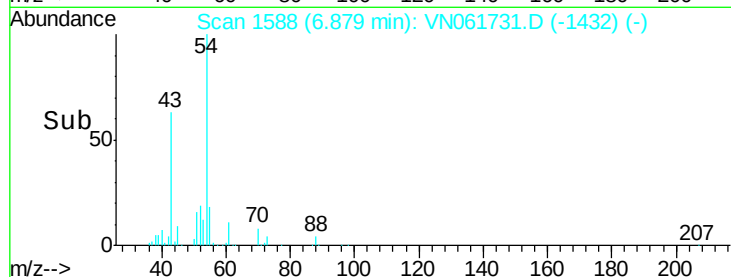
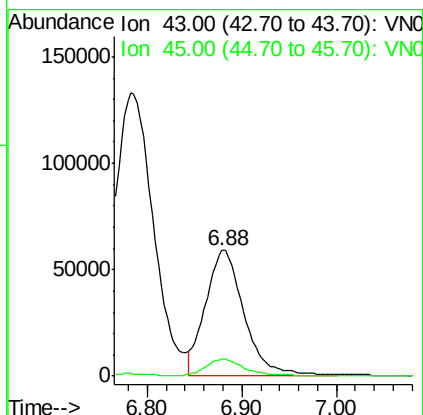
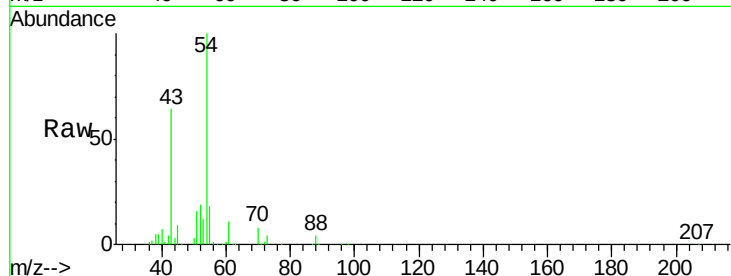




#43
Ethyl Acetate
Concen: 34.99 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. 0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

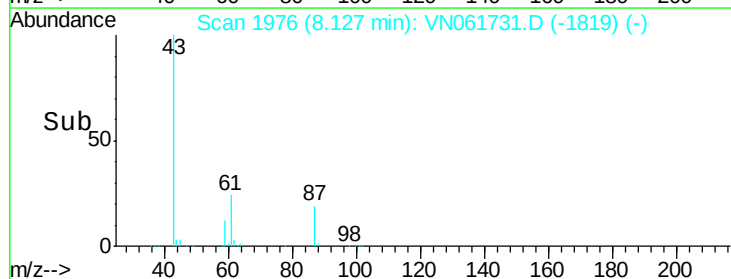
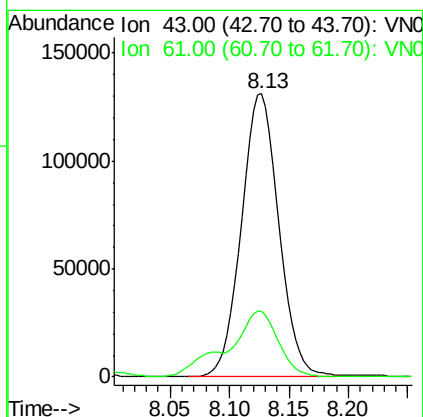
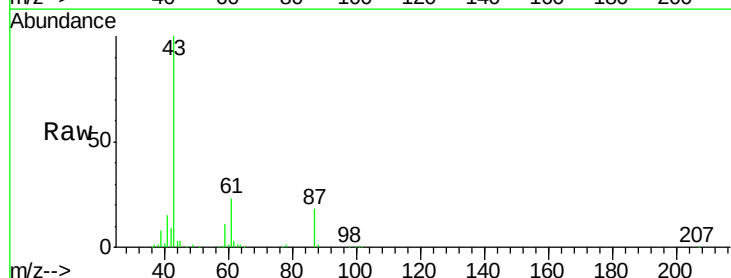
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

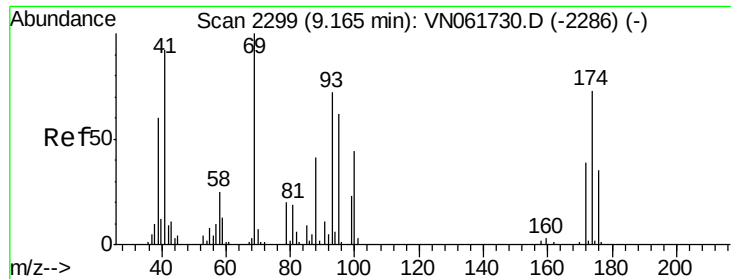
Tgt Ion: 43 Resp: 164954
Ion Ratio Lower Upper
43 100
45 14.7 11.4 17.2



#44
Isopropyl Acetate
Concen: 30.60 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

Tgt Ion: 43 Resp: 284456
Ion Ratio Lower Upper
43 100
61 23.5 18.9 28.3

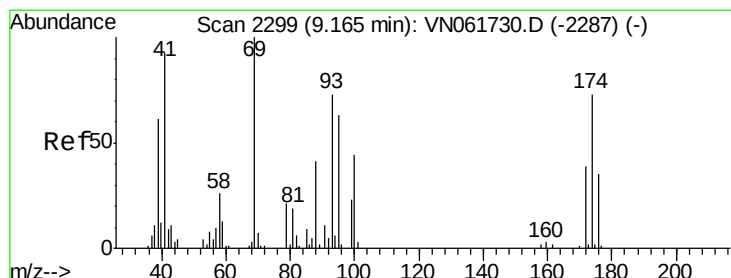
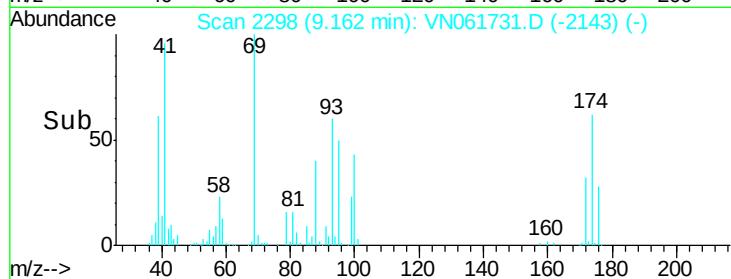
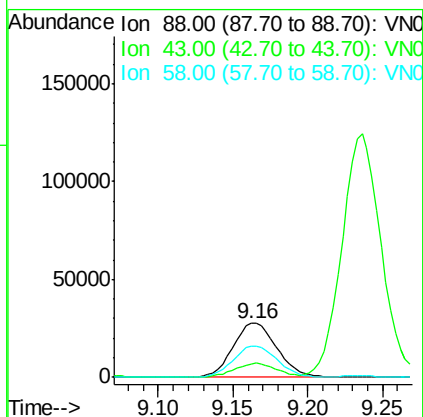
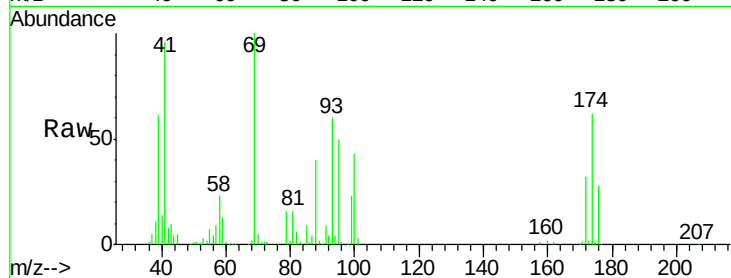




#45
 1,4-Dioxane
 Concen: 1312.79 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.00 min
 Lab File: VN061731.D
 Acq: 10 Jun 2020 11:17

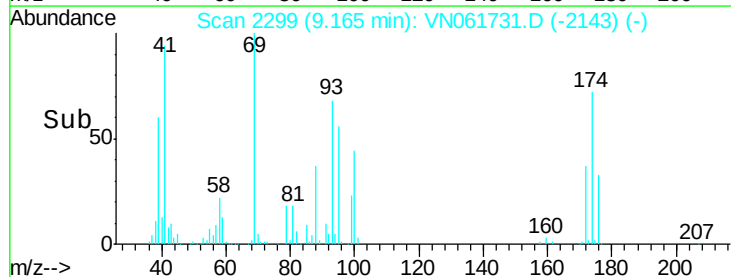
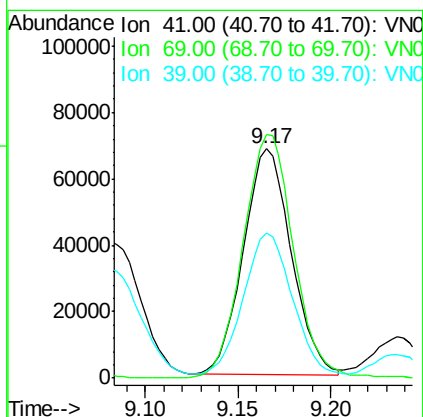
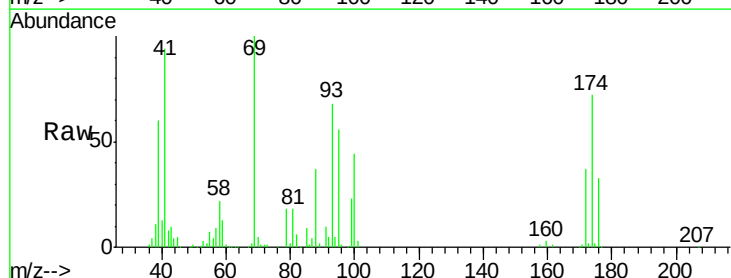
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

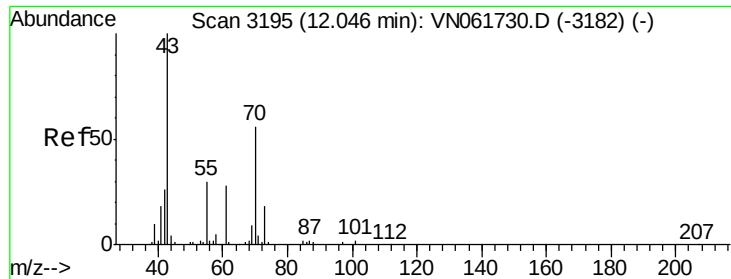
Tgt Ion: 88 Resp: 56704
 Ion Ratio Lower Upper
 88 100
 43 25.1 21.8 32.8
 58 58.1 48.4 72.6



#46
 Methyl methacrylate
 Concen: 28.50 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. 0.00 min
 Lab File: VN061731.D
 Acq: 10 Jun 2020 11:17

Tgt Ion: 41 Resp: 123053
 Ion Ratio Lower Upper
 41 100
 69 107.7 53.8 161.4
 39 62.4 33.0 98.9





#47

n-amyI Acetate

Concen: 29.78 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

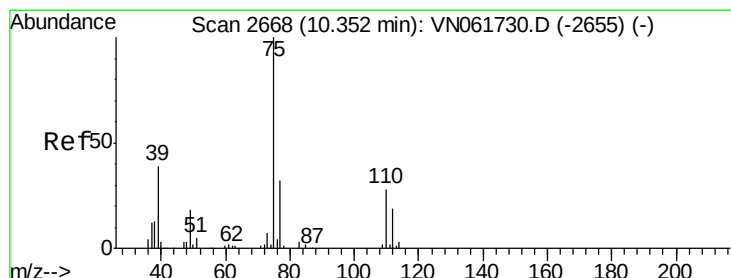
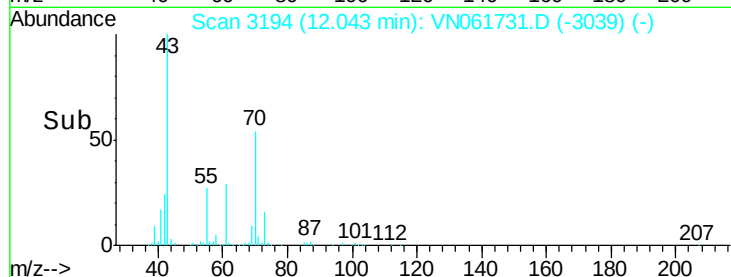
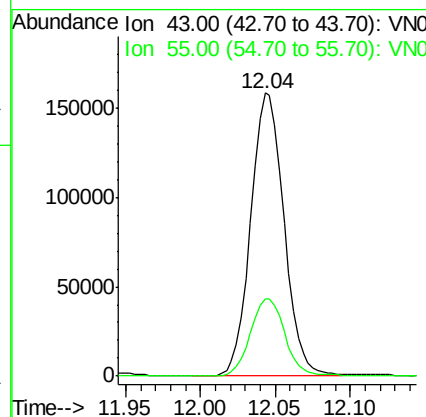
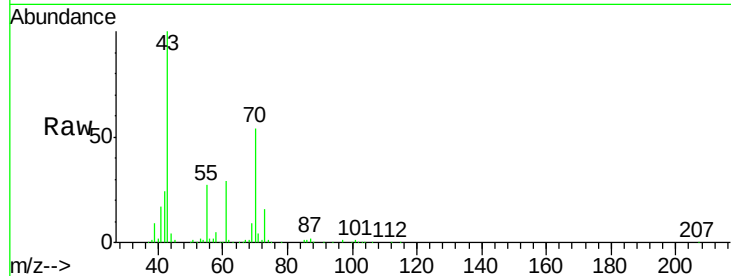
VSTDIC050

Tgt Ion: 43 Resp: 244500

Ion Ratio Lower Upper

43 100

55 28.6 22.7 34.1



#48

t-1,3-Dichloropropene

Concen: 39.89 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN061731.D

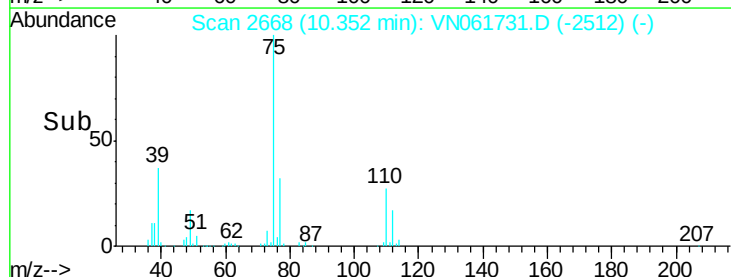
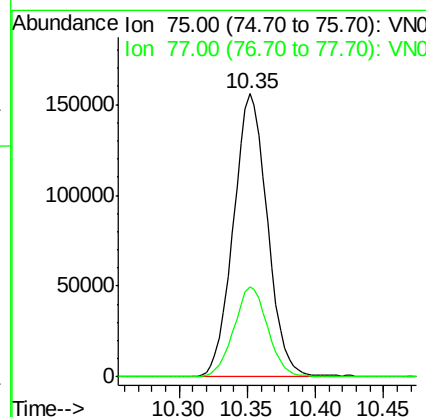
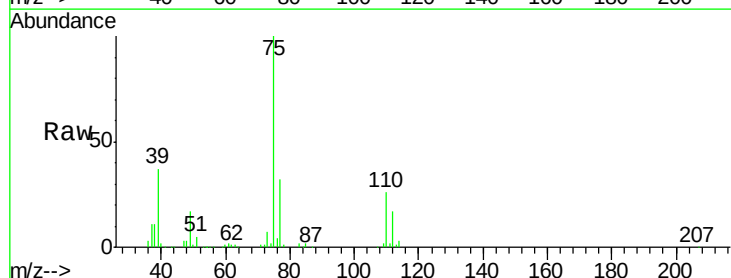
Acq: 10 Jun 2020 11:17

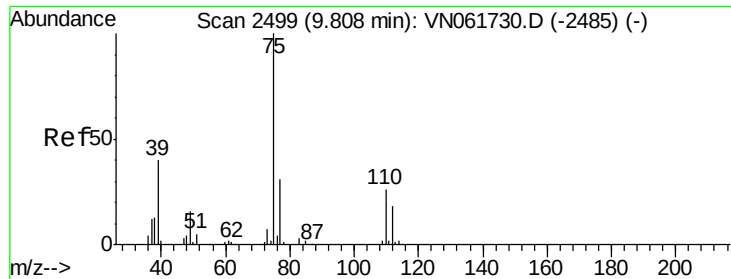
Tgt Ion: 75 Resp: 269744

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.2





#49

cis-1,3-Dichloropropene

Concen: 40.69 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

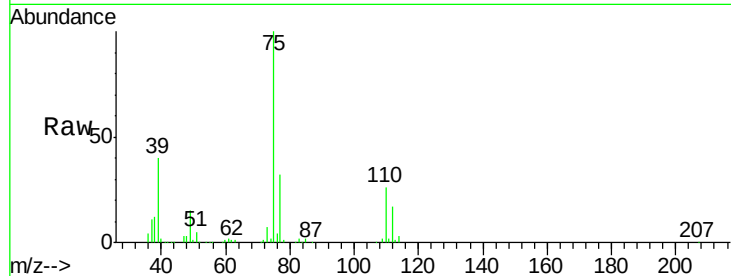
Tgt Ion: 75 Resp: 294189

Ion Ratio Lower Upper

75 100

77 31.8 24.8 37.2

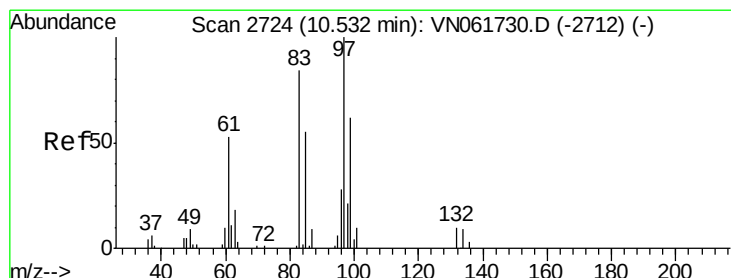
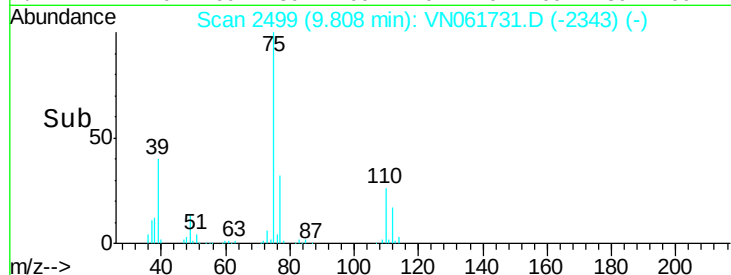
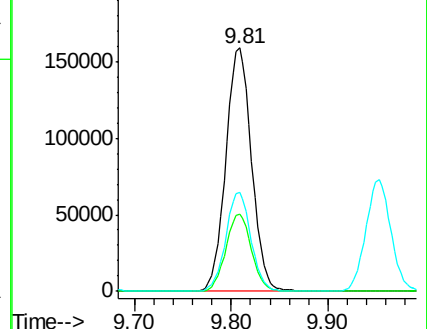
39 40.5 31.8 47.6



Abundance Ion 75.00 (74.70 to 75.70): VN061731.D (-2485) (-)

Ion 77.00 (76.70 to 77.70): VN061731.D (-2485) (-)

Ion 39.00 (38.70 to 39.70): VN061731.D (-2485) (-)



#50

1,1,2-Trichloroethane

Concen: 47.98 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Tgt Ion: 97 Resp: 183018

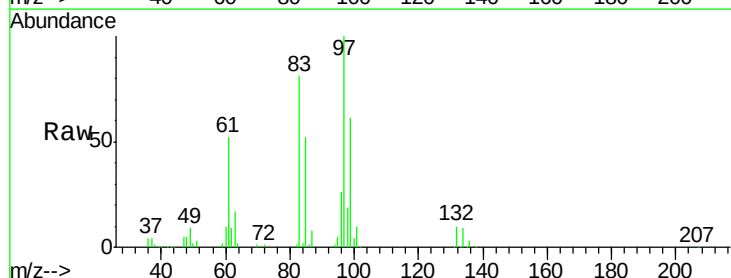
Ion Ratio Lower Upper

97 100

83 80.5 67.6 101.4

85 52.0 44.0 66.0

99 60.7 50.0 75.0

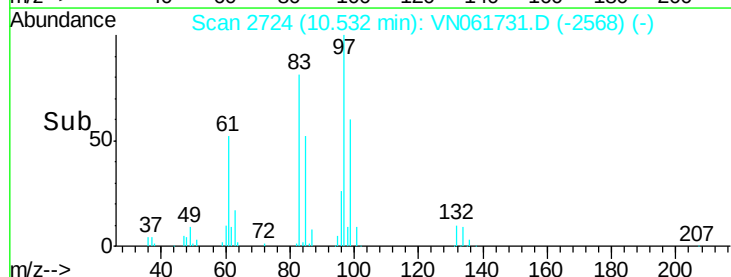
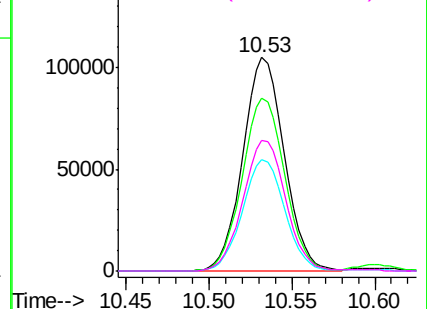


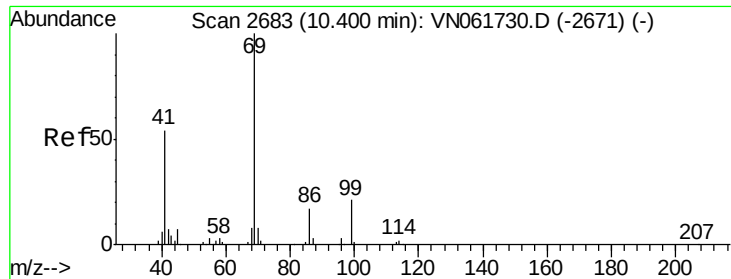
Abundance Ion 97.00 (96.70 to 97.70): VN061731.D (-2712) (-)

Ion 82.95 (82.65 to 83.65): VN061731.D (-2712) (-)

Ion 84.95 (84.65 to 85.65): VN061731.D (-2712) (-)

Ion 98.95 (98.65 to 99.65): VN061731.D (-2712) (-)





#51

Ethyl methacrylate

Concen: 38.59 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

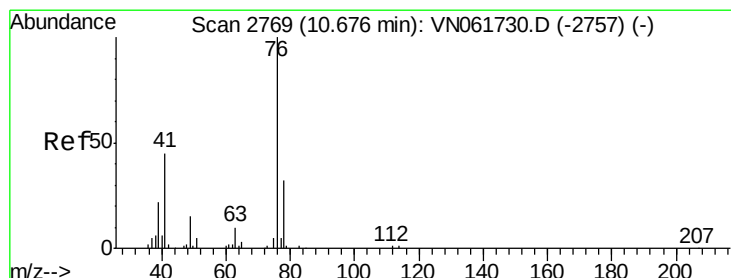
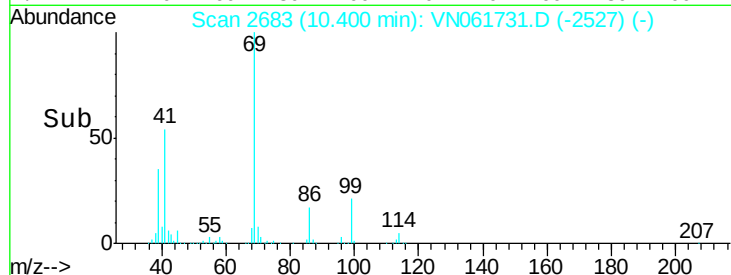
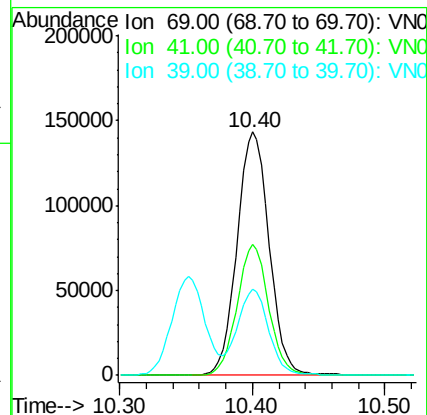
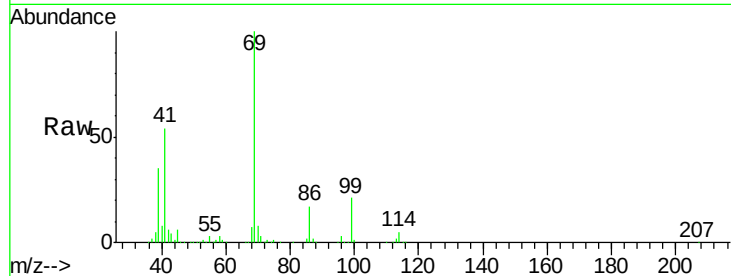
Tgt Ion: 69 Resp: 241077

Ion Ratio Lower Upper

69 100

41 53.7 26.9 80.7

39 35.0 16.7 50.1



#52

1,3-Dichloropropane

Concen: 43.14 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. 0.00 min

Lab File: VN061731.D

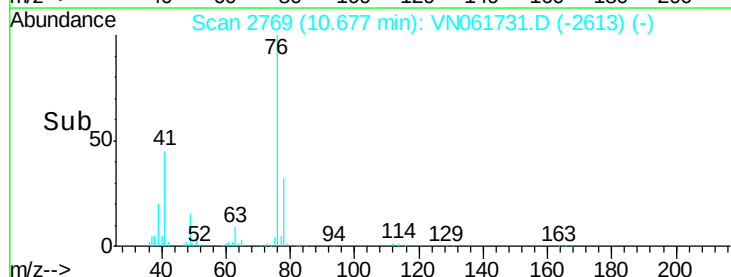
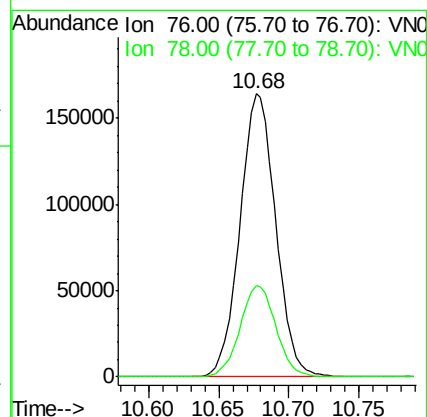
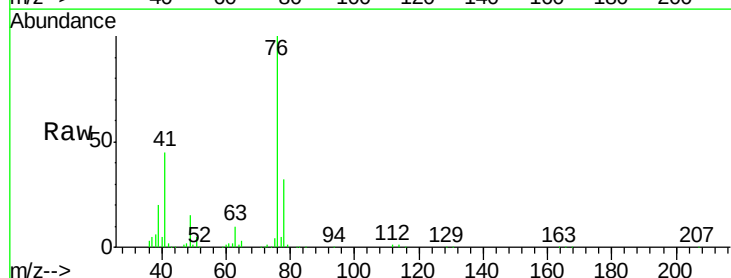
Acq: 10 Jun 2020 11:17

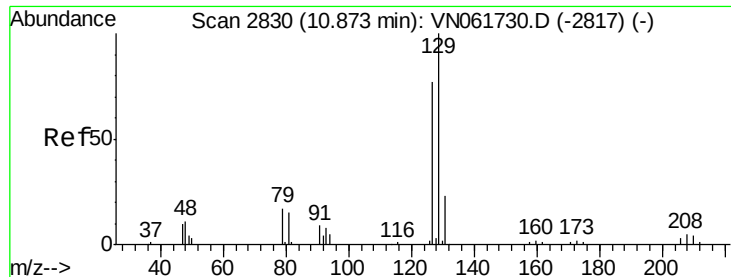
Tgt Ion: 76 Resp: 291387

Ion Ratio Lower Upper

76 100

78 32.5 0.0 65.8





#53

Dibromochloromethane

Concen: 51.05 ug/l

RT: 10.87 min Scan# 2830

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

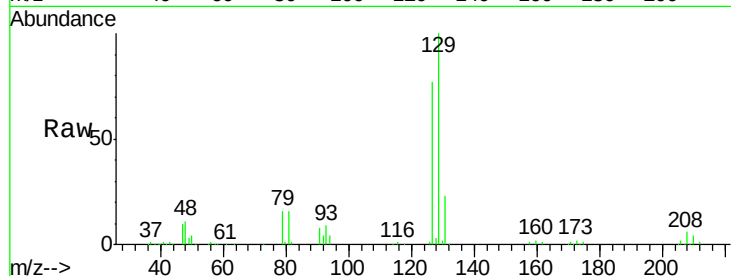
VSTDIC050

Tgt Ion:129 Resp: 216097

Ion Ratio Lower Upper

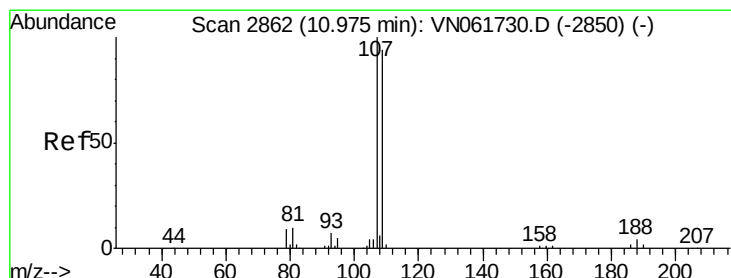
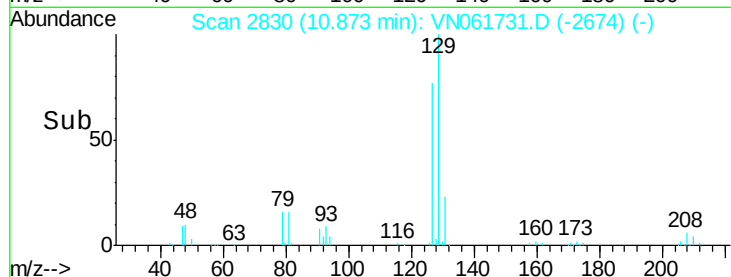
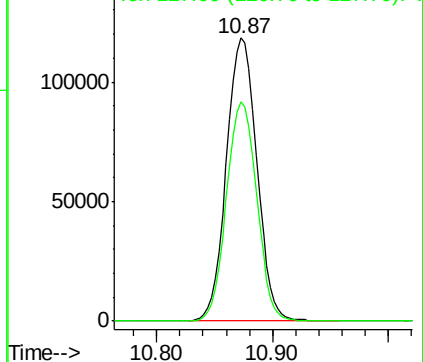
129 100

127 76.8 38.6 116.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 48.96 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN061731.D

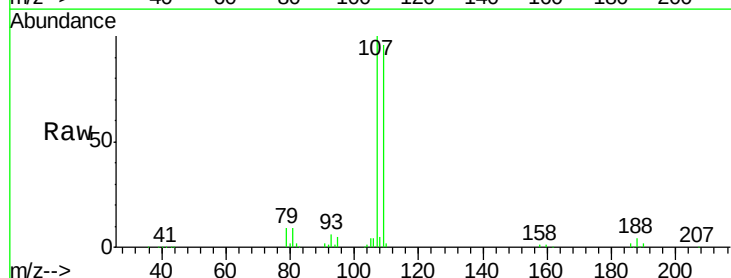
Acq: 10 Jun 2020 11:17

Tgt Ion:107 Resp: 193190

Ion Ratio Lower Upper

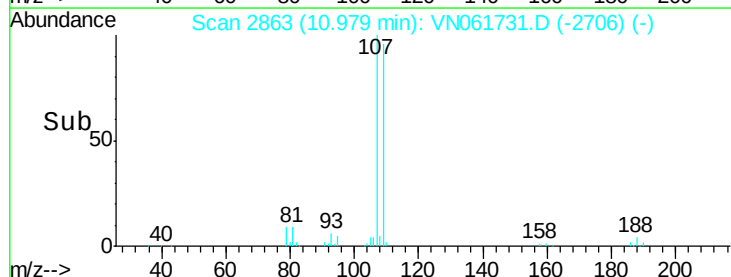
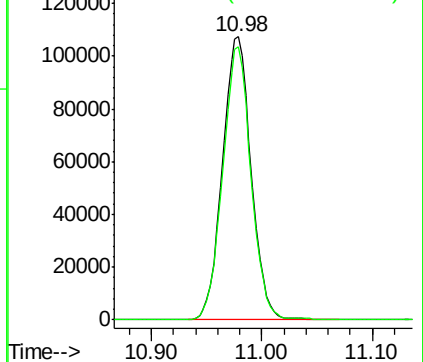
107 100

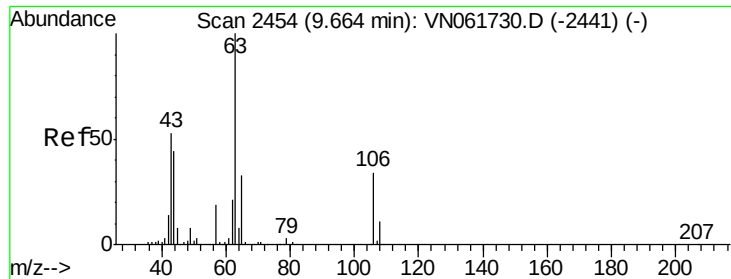
109 95.0 76.6 114.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

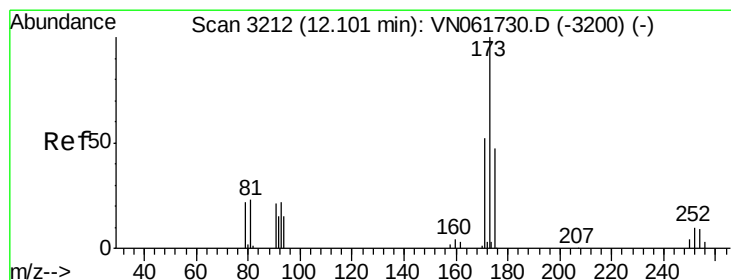
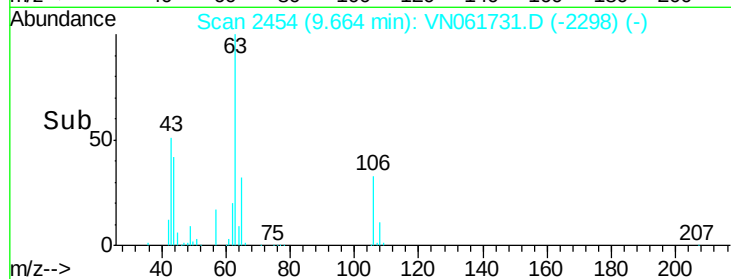
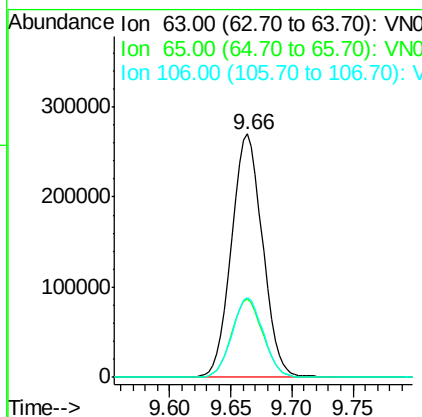
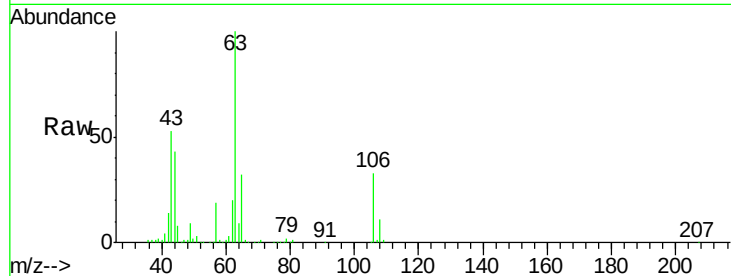




#55
 2-Chloroethyl vinyl ether
 Concen: 177.75 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN061731.D
 Acq: 10 Jun 2020 11:17

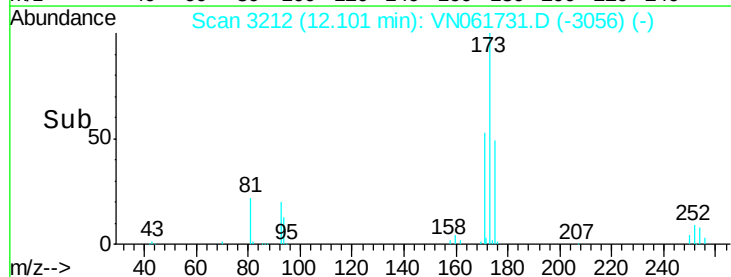
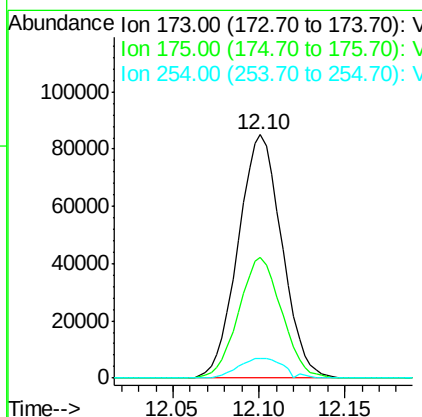
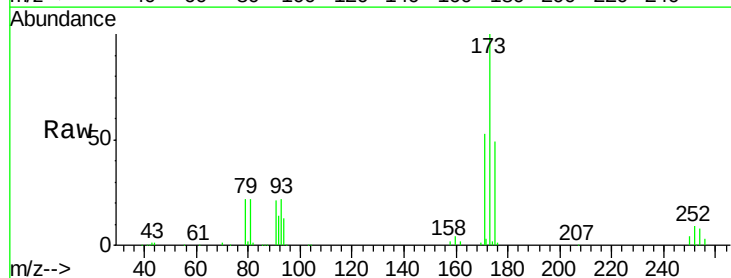
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

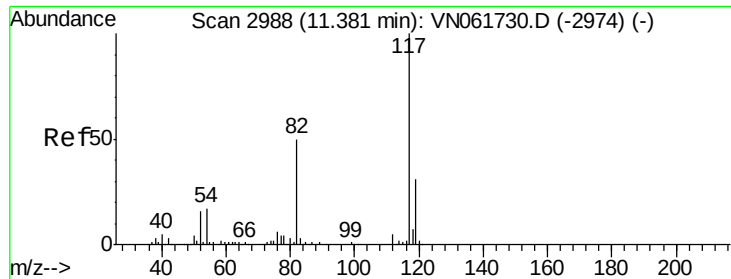
Tgt Ion: 63 Resp: 479505
 Ion Ratio Lower Upper
 63 100
 65 32.4 25.8 38.8
 106 32.7 26.5 39.7



#56
 Bromoform
 Concen: 55.54 ug/l
 RT: 12.10 min Scan# 3212
 Delta R.T. 0.00 min
 Lab File: VN061731.D
 Acq: 10 Jun 2020 11:17

Tgt Ion: 173 Resp: 150281
 Ion Ratio Lower Upper
 173 100
 175 48.6 37.5 56.3
 254 8.1 6.9 10.3

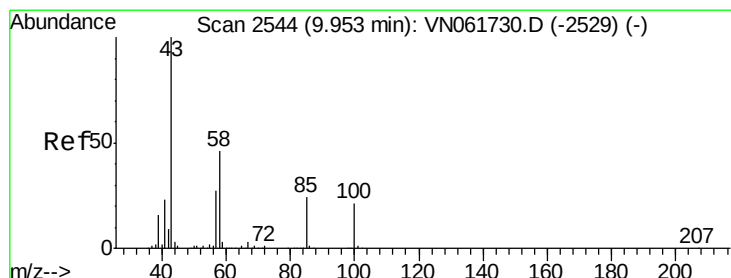
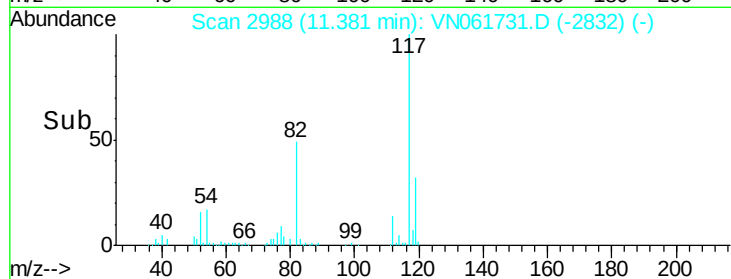
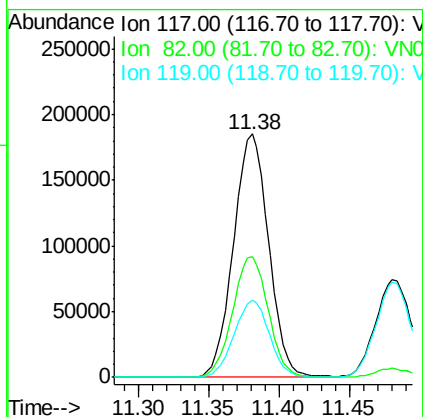
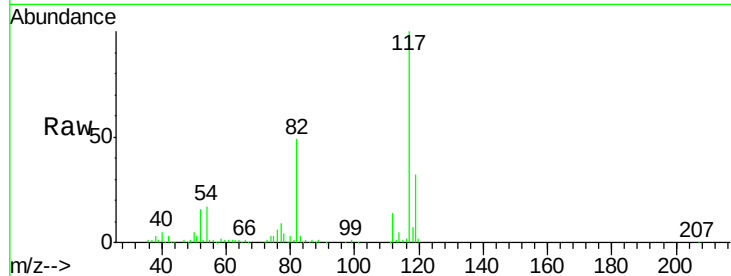




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

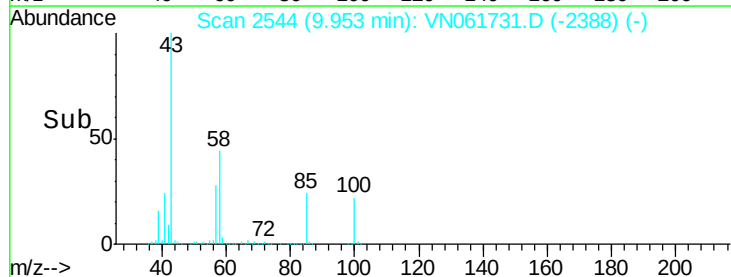
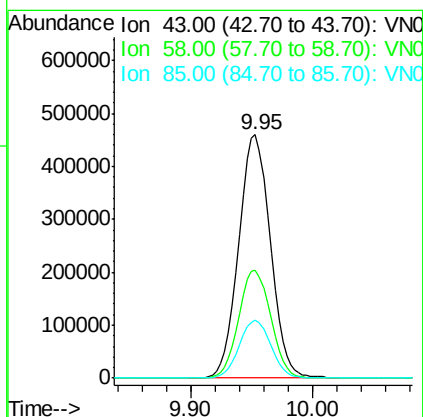
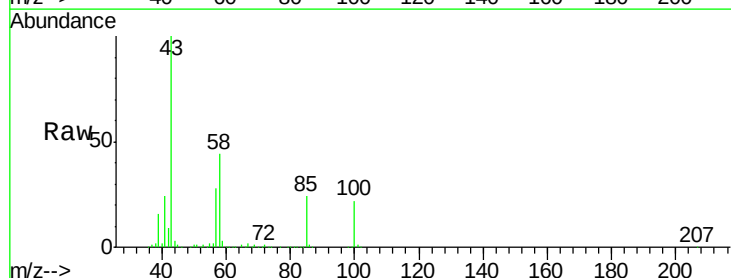
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

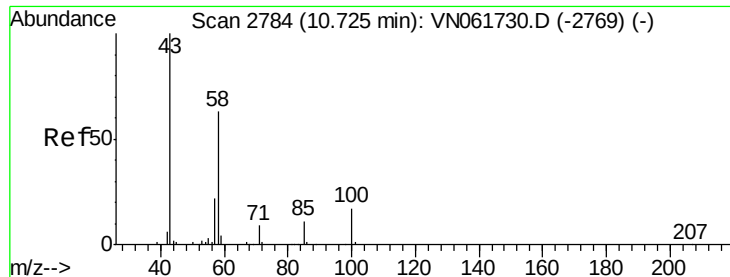
Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.3	40.6	60.8
119	31.7	25.4	38.2



#58
4-Methyl-2-Pentanone
Concen: 154.71 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

Tgt Ion	Ratio	Lower	Upper
43	100		
58	45.0	36.6	54.8
85	23.8	19.0	28.6

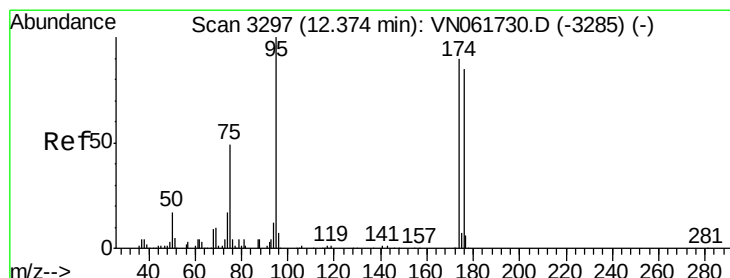
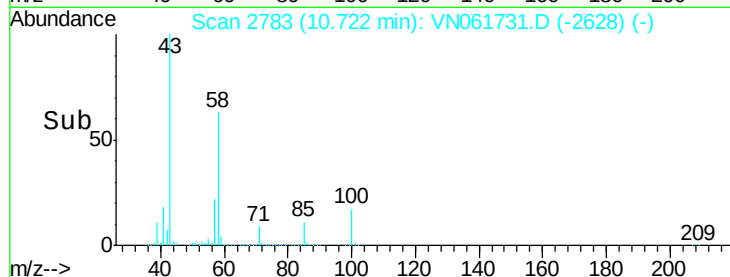
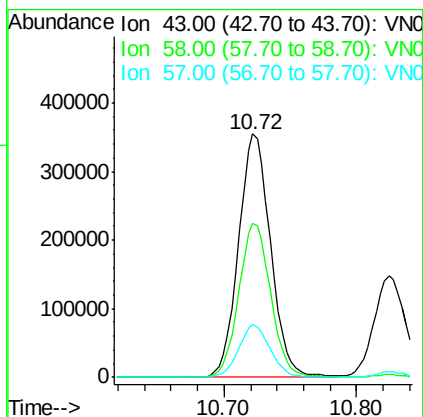
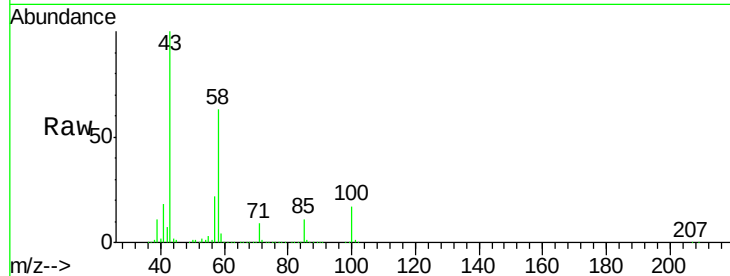




#59
2-Hexanone
Concen: 157.46 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

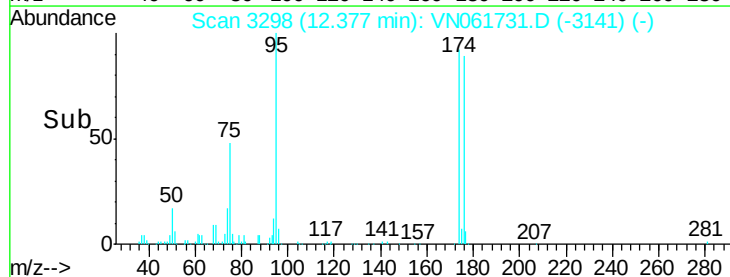
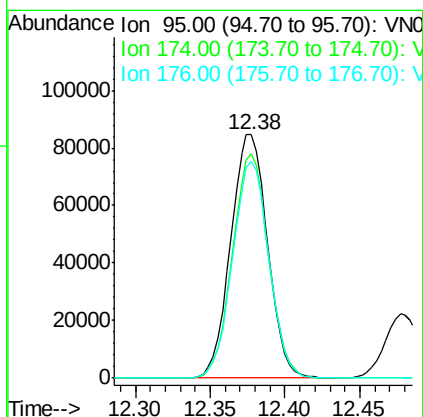
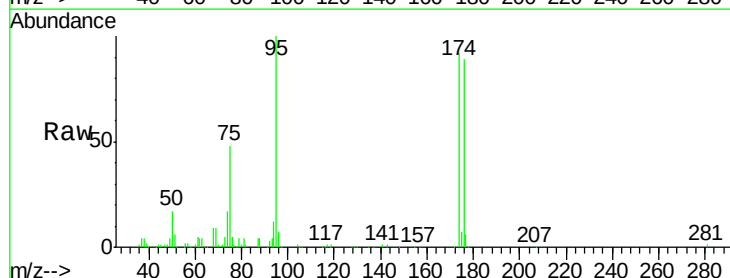
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

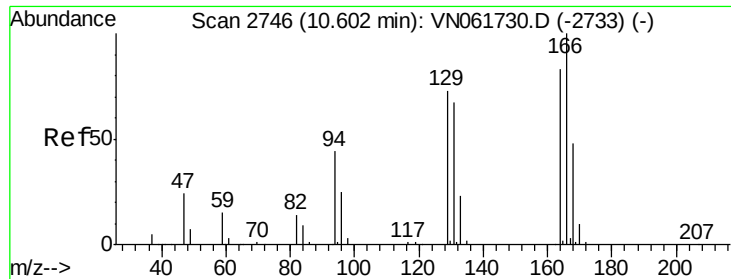
Tgt Ion: 43 Resp: 595324
Ion Ratio Lower Upper
43 100
58 63.2 50.4 75.6
57 21.4 17.2 25.8



#60
4-Bromofluorobenzene
Concen: 26.87 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

Tgt Ion: 95 Resp: 145201
Ion Ratio Lower Upper
95 100
174 90.0 72.8 109.2
176 87.8 69.2 103.8





#61

Tetrachloroethene

Concen: 58.20 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion:164 Resp: 244171

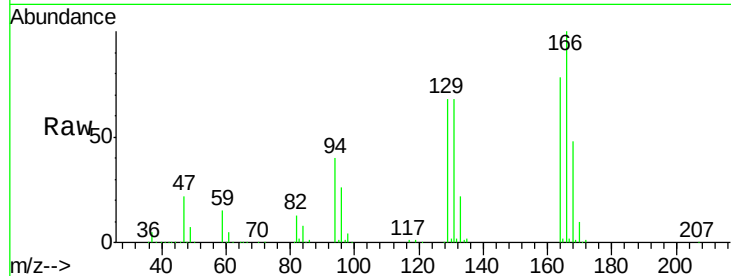
Ion Ratio Lower Upper

164 100

166 128.0 96.6 144.8

129 87.3 70.1 105.1

131 87.5 64.6 96.8

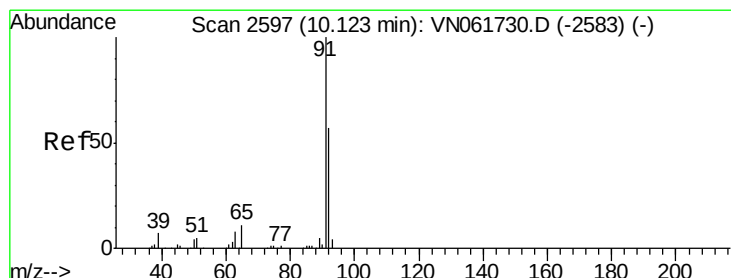
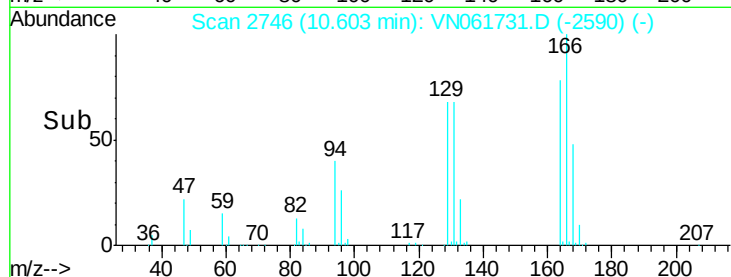
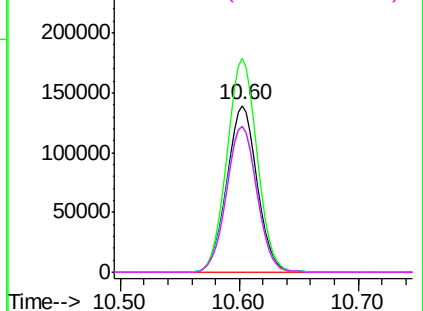


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 44.08 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN061731.D

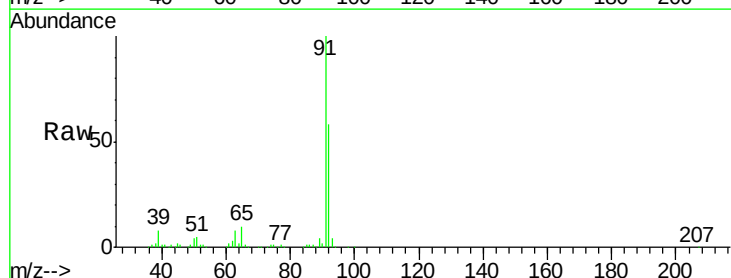
Acq: 10 Jun 2020 11:17

Tgt Ion: 91 Resp: 801656

Ion Ratio Lower Upper

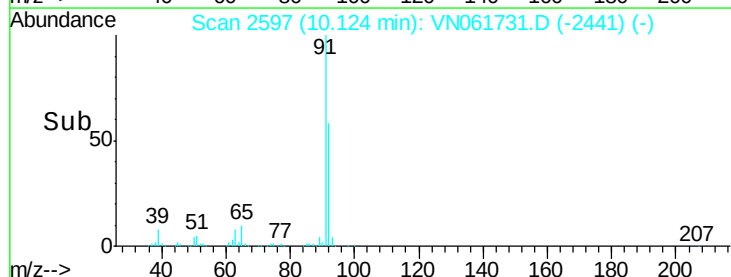
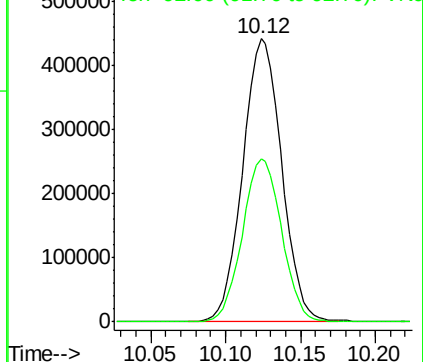
91 100

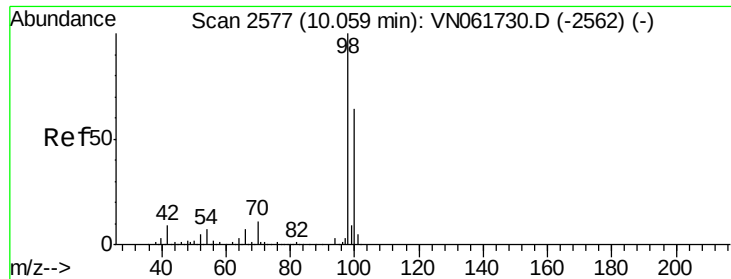
92 58.3 45.8 68.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 27.57 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

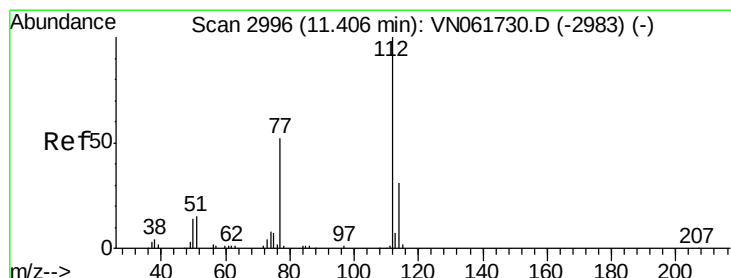
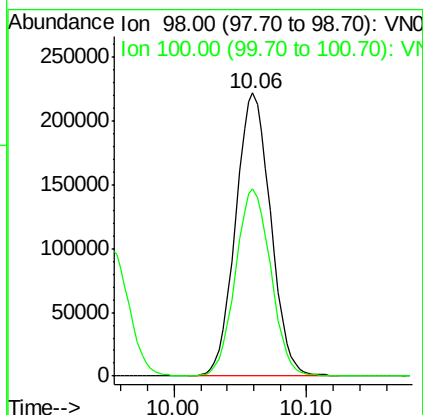
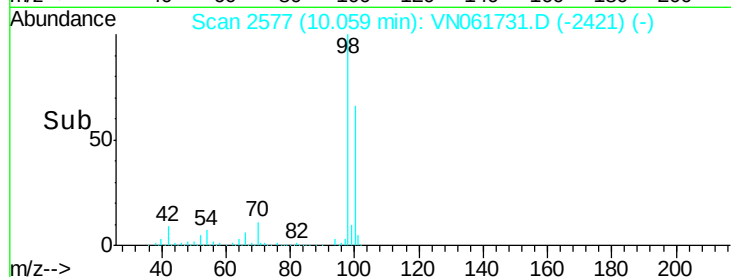
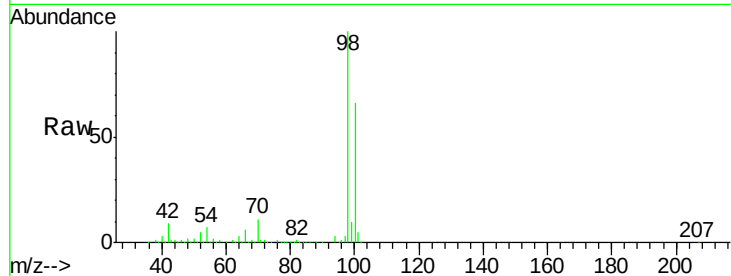
VSTDIC050

Tgt Ion: 98 Resp: 407928

Ion Ratio Lower Upper

98 100

100 66.4 52.2 78.4



#64

Chlorobenzene

Concen: 46.82 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN061731.D

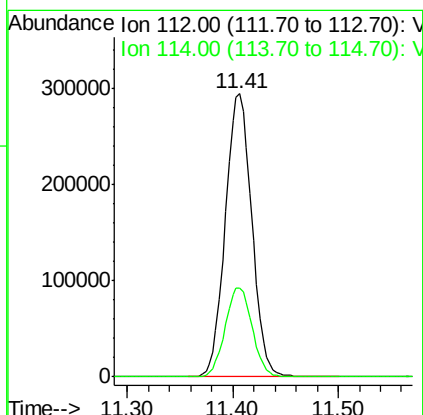
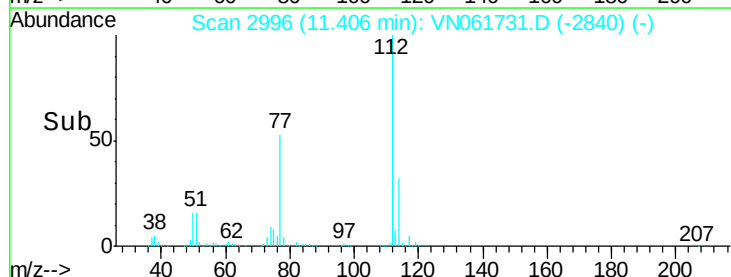
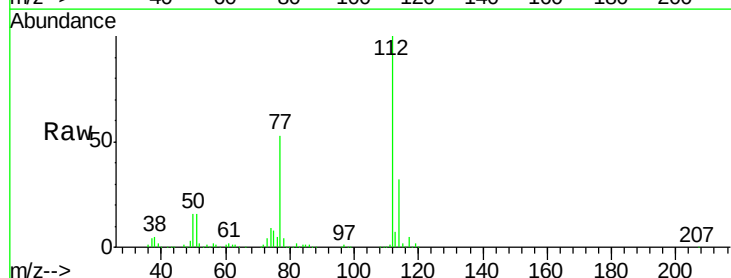
Acq: 10 Jun 2020 11:17

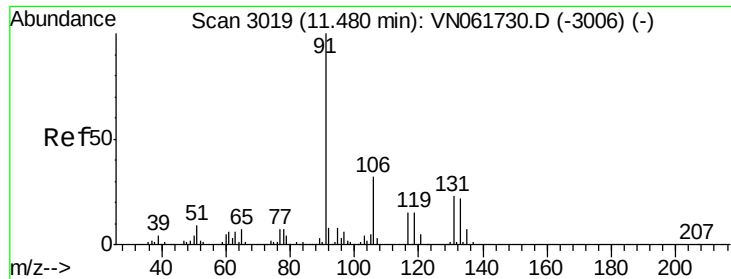
Tgt Ion: 112 Resp: 510304

Ion Ratio Lower Upper

112 100

114 31.6 24.9 37.3





#65

1,1,1,2-Tetrachloroethane

Concen: 48.63 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

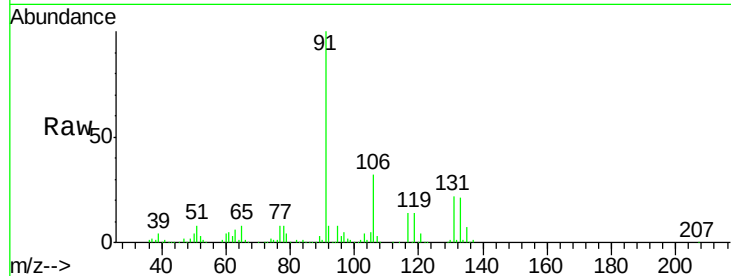
Tgt Ion:131 Resp: 194824

Ion Ratio Lower Upper

131 100

133 96.1 0.0 189.4

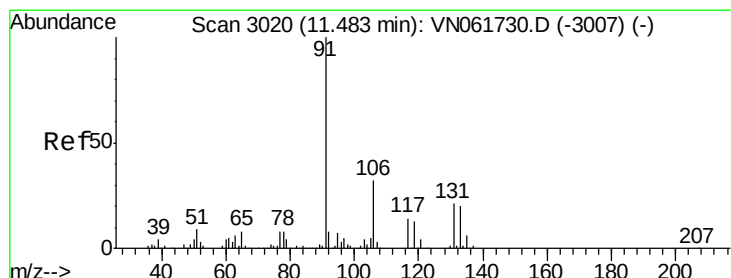
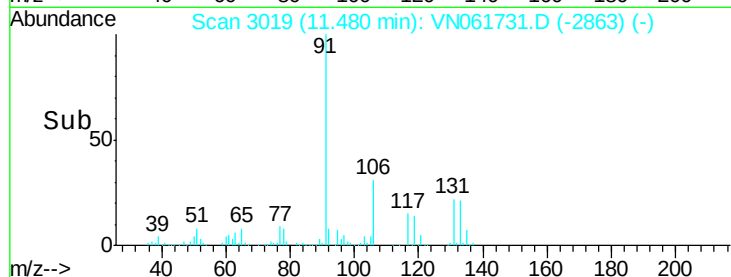
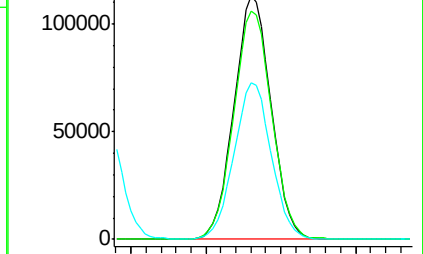
119 64.8 0.0 130.8



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 43.37 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN061731.D

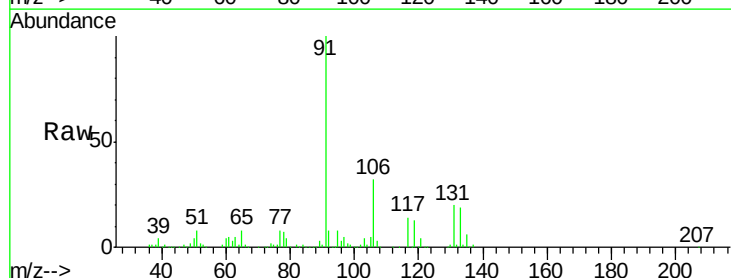
Acq: 10 Jun 2020 11:17

Tgt Ion: 91 Resp: 895817

Ion Ratio Lower Upper

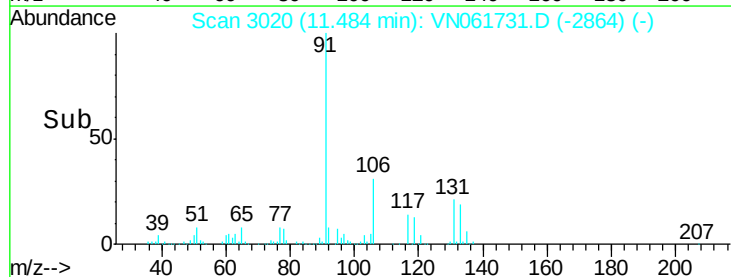
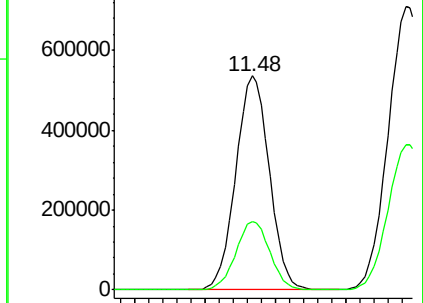
91 100

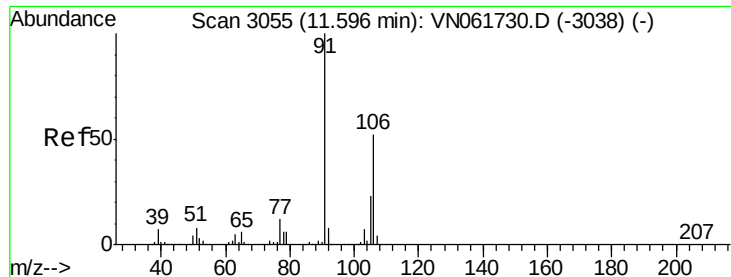
106 32.1 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

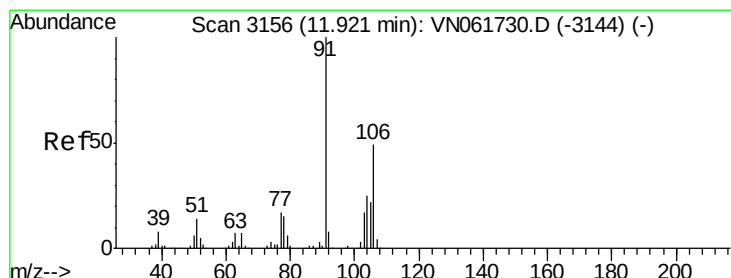
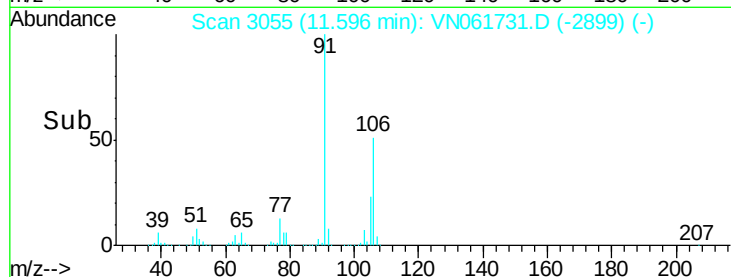
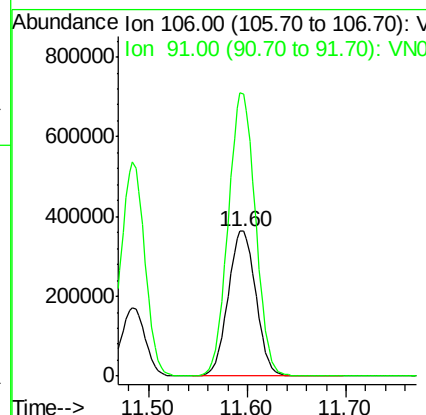
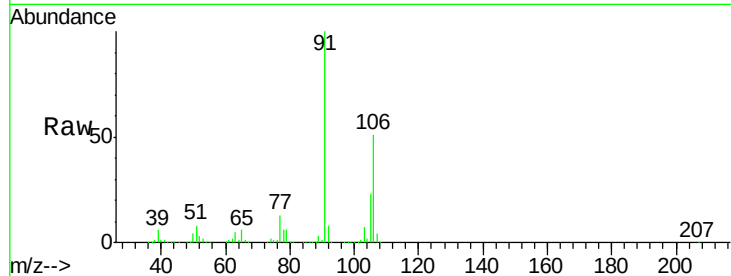




#67
m/p-Xylenes
Concen: 92.61 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

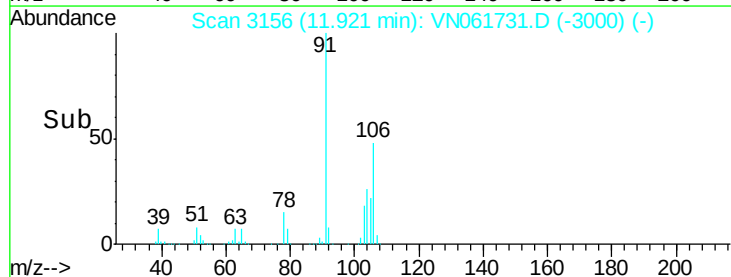
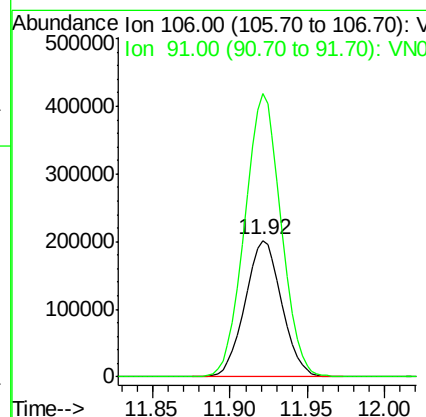
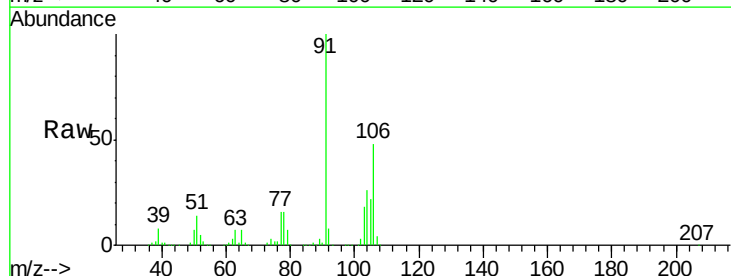
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

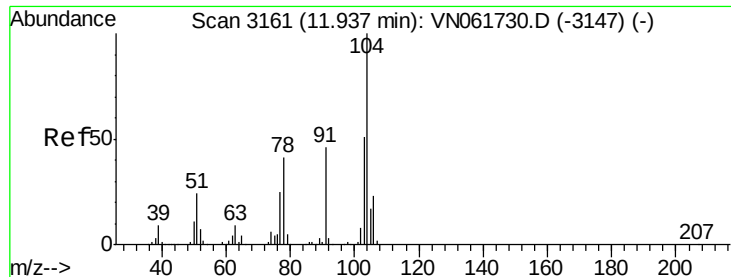
Tgt Ion:106 Resp: 716195
Ion Ratio Lower Upper
106 100
91 191.7 156.2 234.4



#68
o-Xylene
Concen: 45.29 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

Tgt Ion:106 Resp: 333171
Ion Ratio Lower Upper
106 100
91 205.9 101.9 305.7

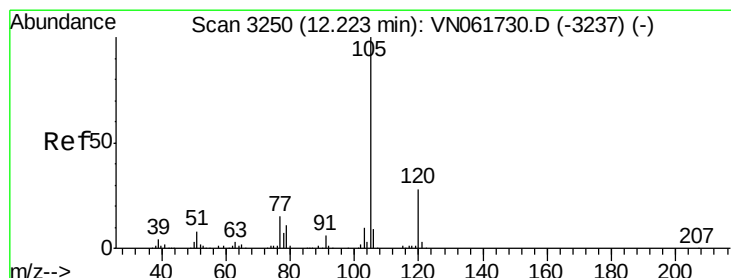
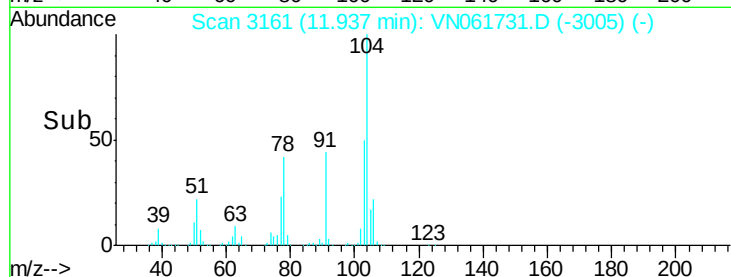
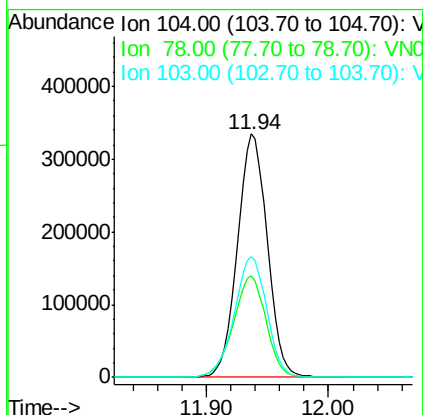
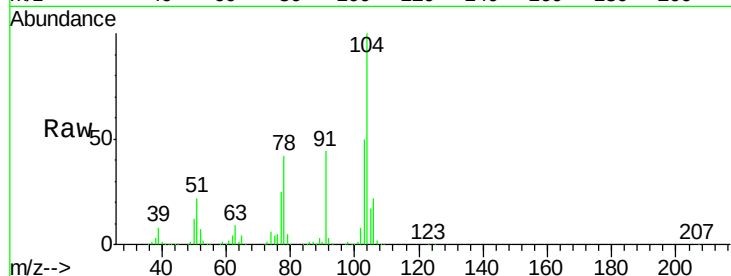




#69
Styrene
Concen: 44.78 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

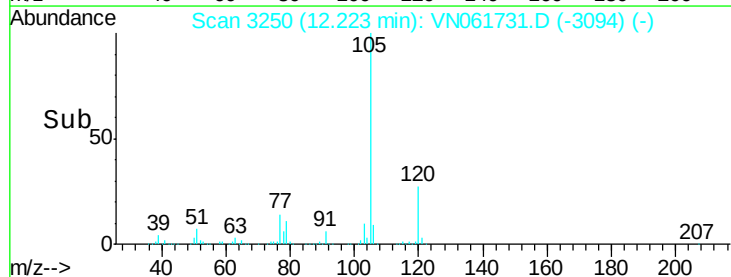
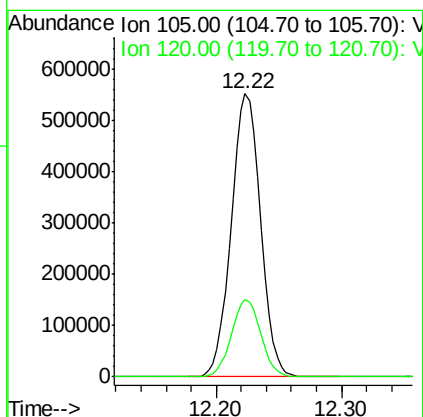
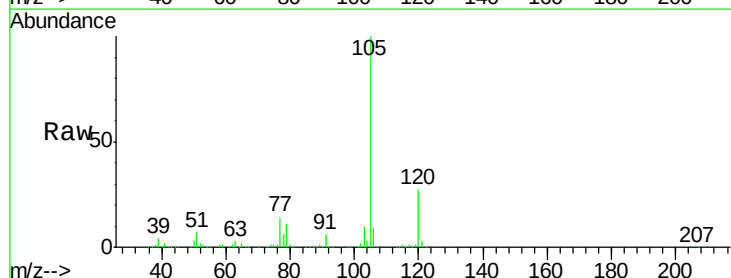
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

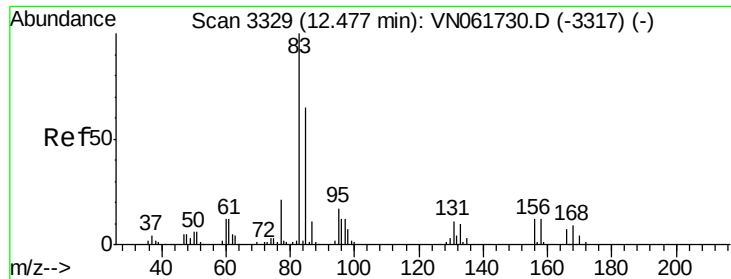
Tgt Ion:104 Resp: 565454
Ion Ratio Lower Upper
104 100
78 45.9 36.5 54.7
103 54.1 43.4 65.2



#70
Isopropylbenzene
Concen: 44.95 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

Tgt Ion:105 Resp: 893463
Ion Ratio Lower Upper
105 100
120 27.3 19.3 35.8





#71

1,1,2,2-Tetrachloroethane

Concen: 42.42 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

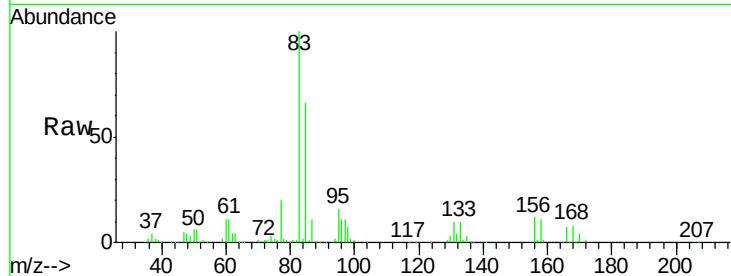
Tgt Ion: 83 Resp: 230184

Ion Ratio Lower Upper

83 100

131 10.8 5.7 17.0

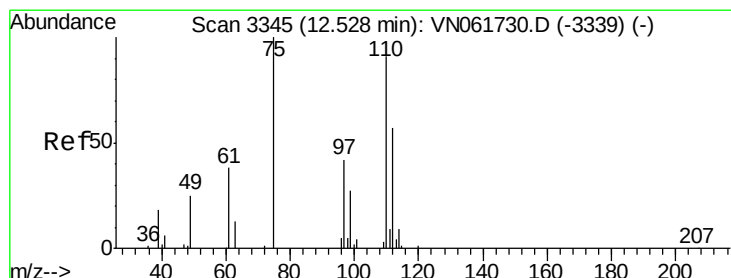
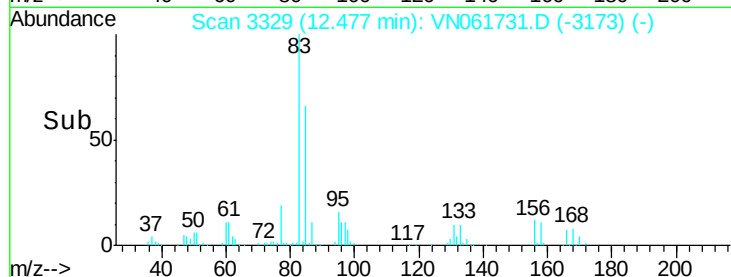
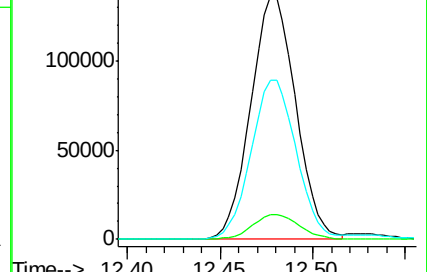
85 65.6 33.0 98.9



Abundance Ion 83.00 (82.70 to 83.70): VN061731.D (-3173) (-)

Ion 131.00 (130.70 to 131.70): VN061731.D (-3173) (-)

Ion 85.00 (84.70 to 85.70): VN061731.D (-3173) (-)



#72

1,2,3-Trichloropropane

Concen: 58.72 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN061731.D

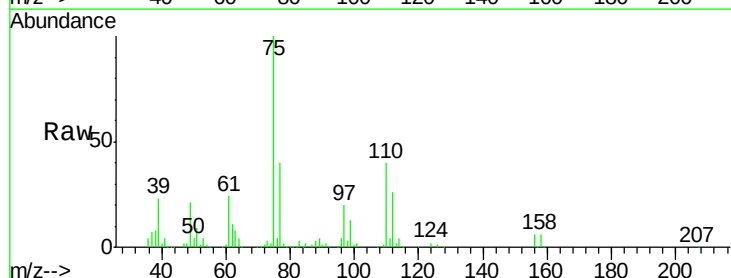
Acq: 10 Jun 2020 11:17

Tgt Ion: 75 Resp: 301020

Ion Ratio Lower Upper

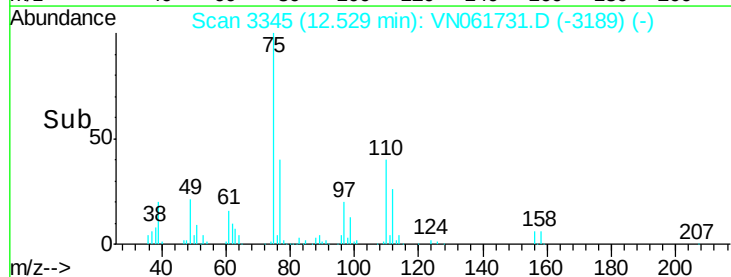
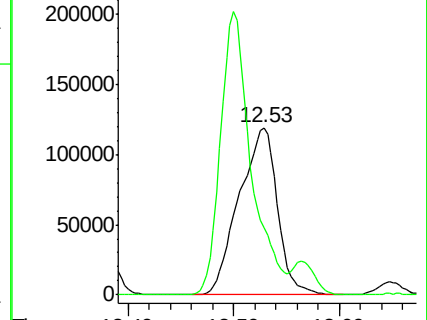
75 100

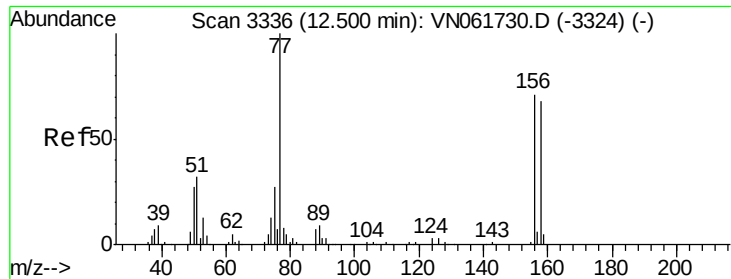
77 135.5 0.0 371.8



Abundance Ion 75.00 (74.70 to 75.70): VN061731.D (-3189) (-)

Ion 77.00 (76.70 to 77.70): VN061731.D (-3189) (-)





#73

Bromobenzene

Concen: 54.48 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

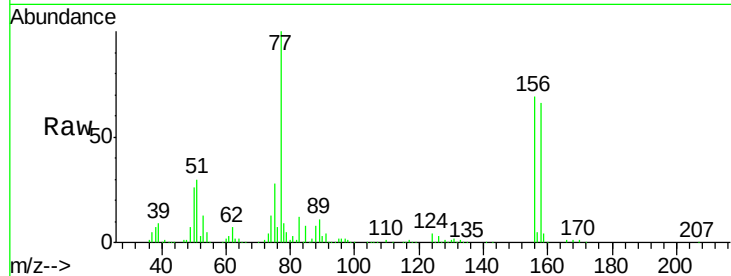
Tgt Ion:156 Resp: 235835

Ion Ratio Lower Upper

156 100

77 172.9 0.0 350.0

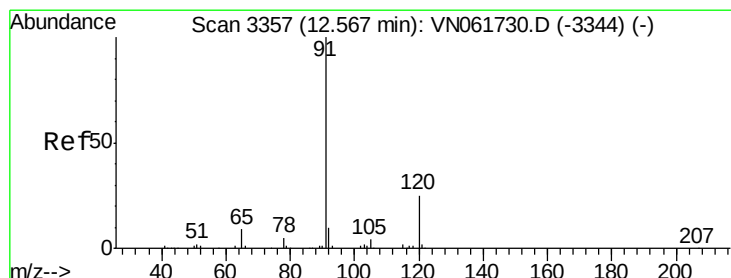
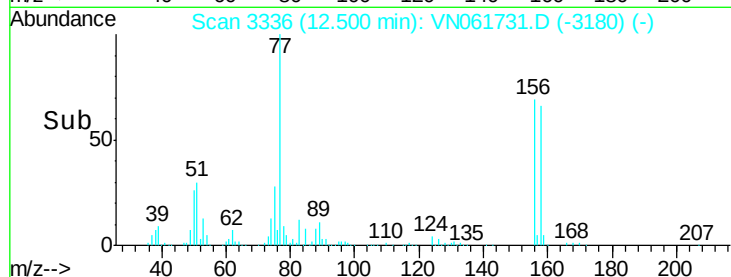
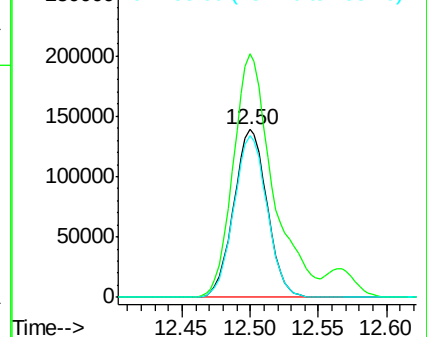
158 96.3 0.0 195.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 43.15 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN061731.D

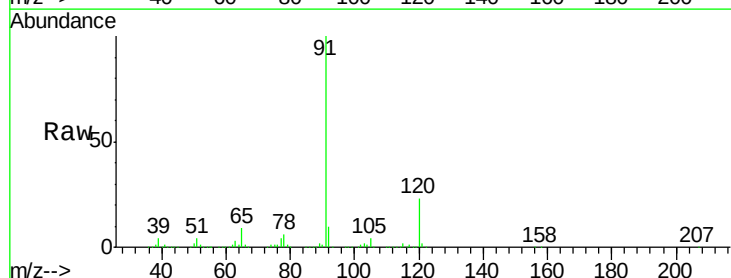
Acq: 10 Jun 2020 11:17

Tgt Ion: 91 Resp: 1012392

Ion Ratio Lower Upper

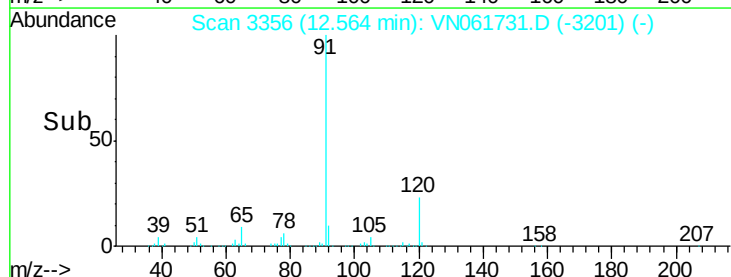
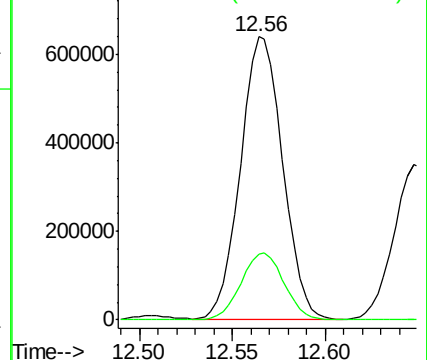
91 100

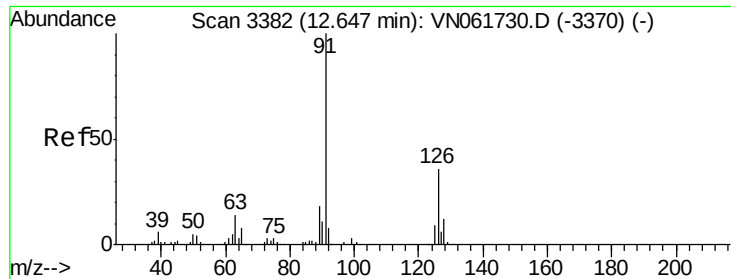
120 24.0 0.0 48.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 43.25 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

ClientSampled :

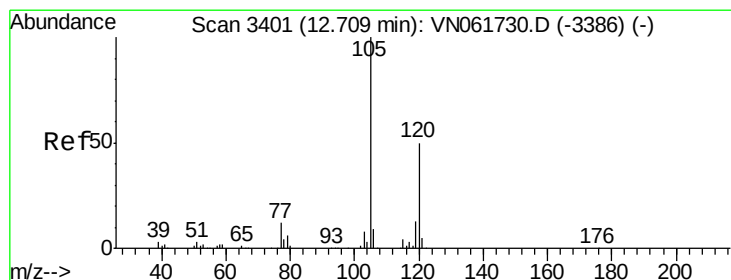
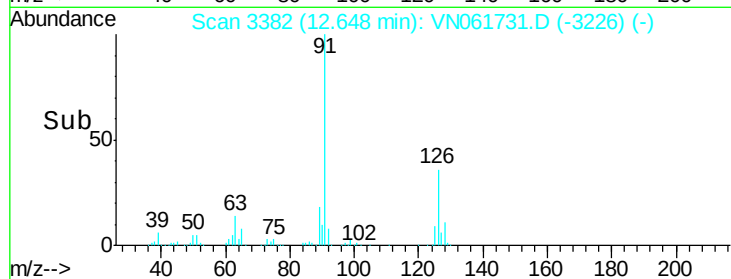
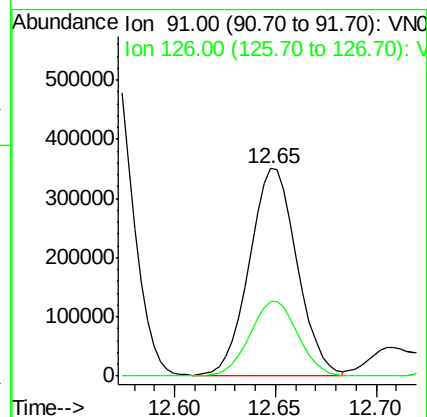
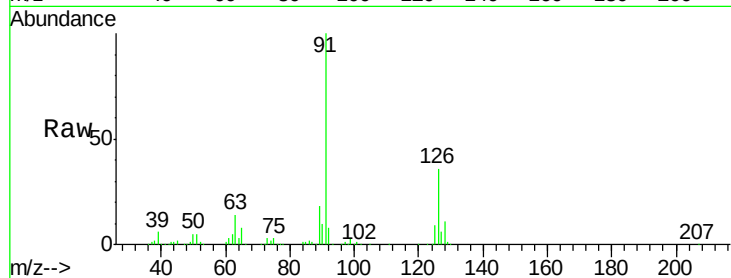
VSTDIC050

Tgt Ion: 91 Resp: 581653

Ion Ratio Lower Upper

91 100

126 36.5 0.0 72.0



#76

1,3,5-Trimethylbenzene

Concen: 44.15 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061731.D

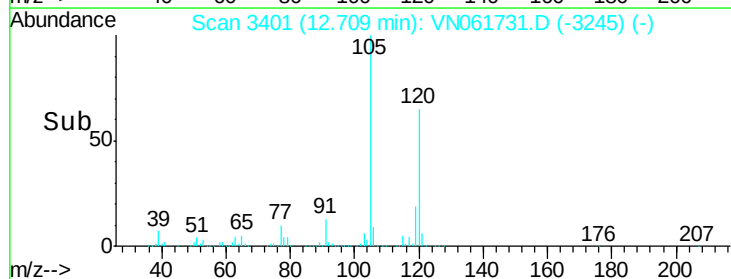
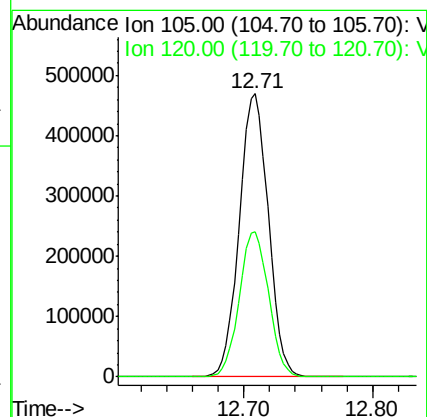
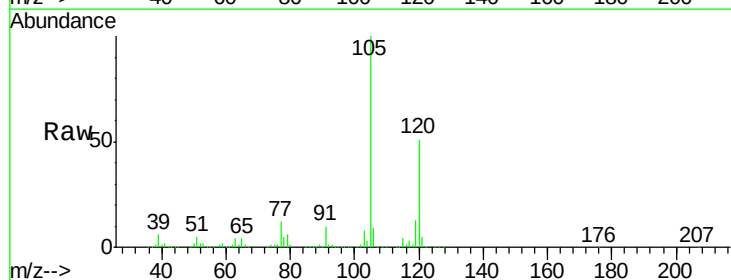
Acq: 10 Jun 2020 11:17

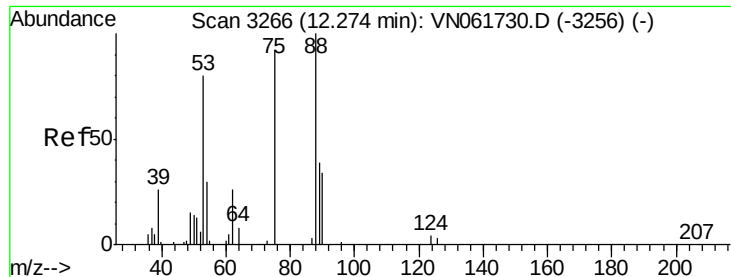
Tgt Ion: 105 Resp: 735277

Ion Ratio Lower Upper

105 100

120 51.7 0.0 101.6





#77

t-1,4-Dichloro-2-butene

Concen: 36.92 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

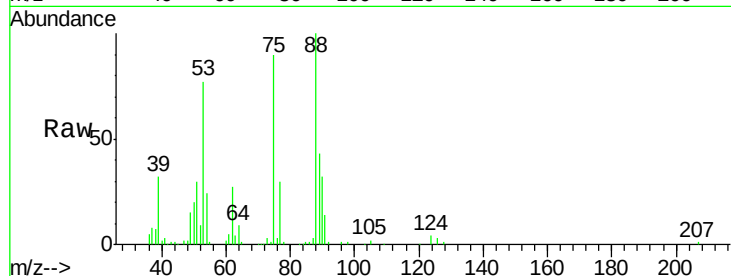
Tgt Ion: 75 Resp: 78166

Ion Ratio Lower Upper

75 100

53 85.6 43.8 131.4

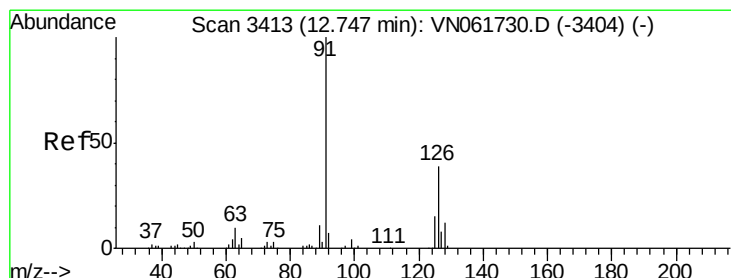
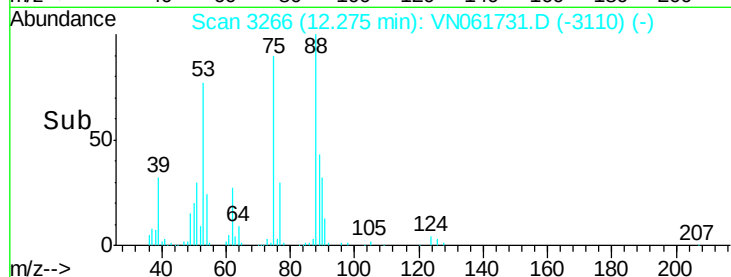
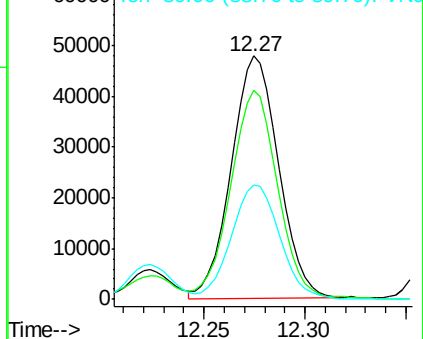
89 47.6 23.1 69.2



Abundance Ion 75.00 (74.70 to 75.70): VN061731.D (-3256) (-)

Ion 53.00 (52.70 to 53.70): VN061731.D (-3256) (-)

Ion 89.00 (88.70 to 89.70): VN061731.D (-3256) (-)



#78

4-Chlorotoluene

Concen: 43.17 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061731.D

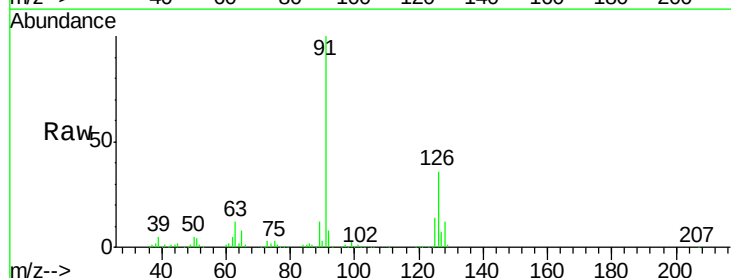
Acq: 10 Jun 2020 11:17

Tgt Ion: 91 Resp: 609242

Ion Ratio Lower Upper

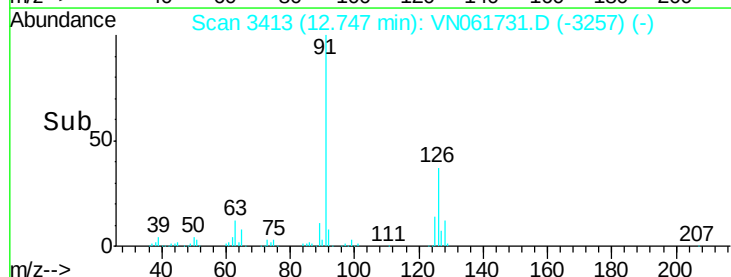
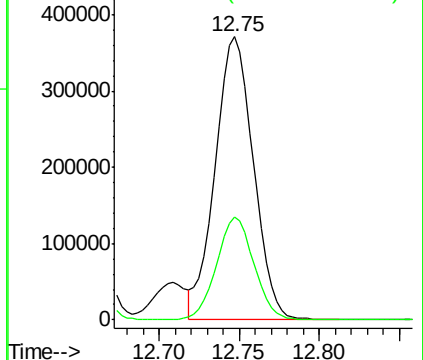
91 100

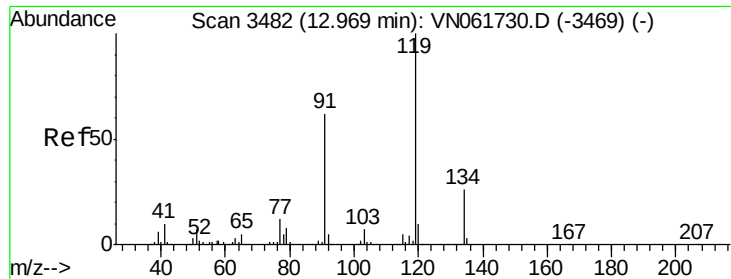
126 35.3 0.0 70.4



Abundance Ion 91.00 (90.70 to 91.70): VN061731.D (-3257) (-)

Ion 126.00 (125.70 to 126.70): VN061731.D (-3257) (-)

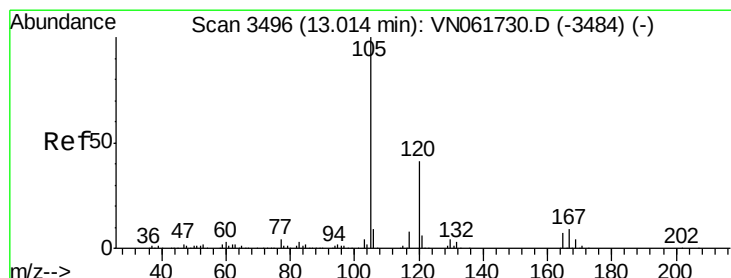
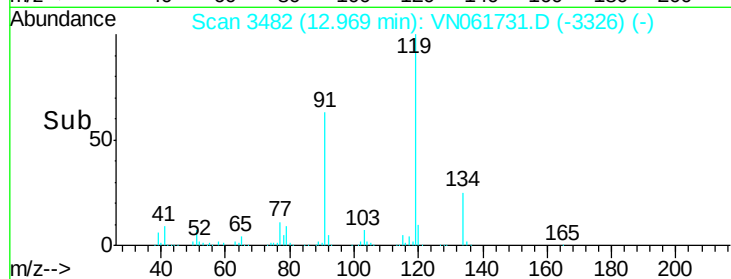
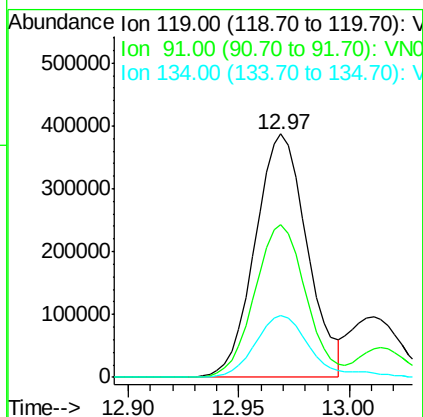
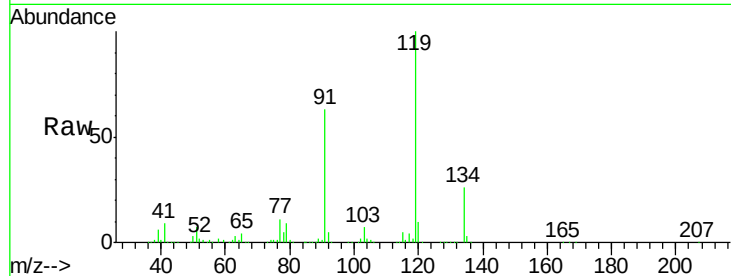




#79
tert-butylbenzene
Concen: 45.74 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

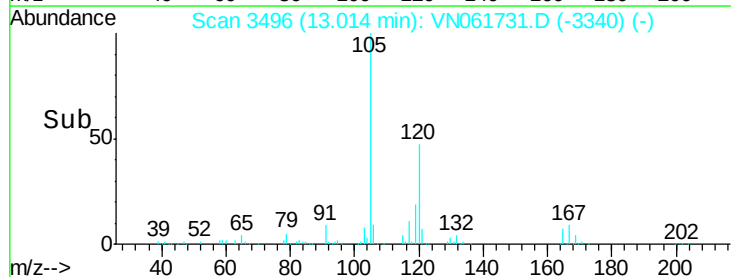
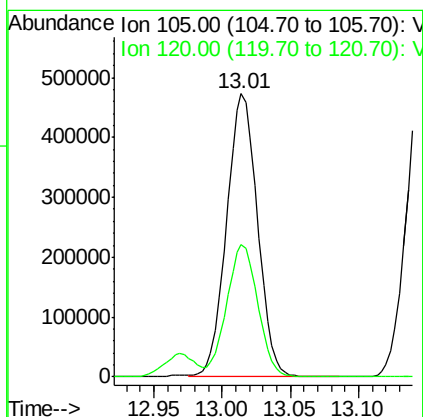
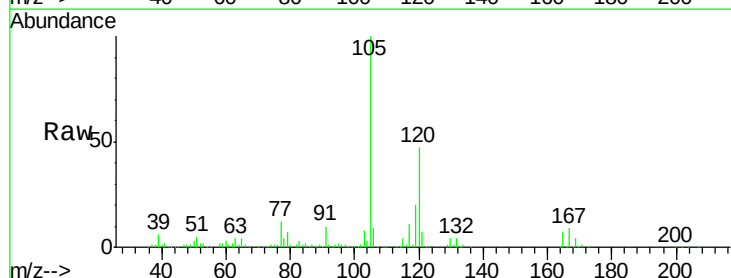
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

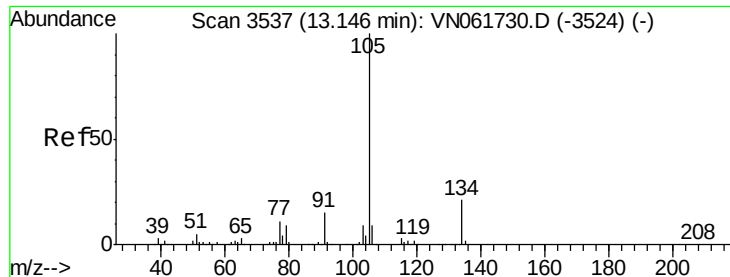
Tgt Ion:119 Resp: 634422
Ion Ratio Lower Upper
119 100
91 61.8 0.0 124.6
134 27.0 0.0 51.4



#80
1,2,4-Trimethylbenzene
Concen: 44.53 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

Tgt Ion:105 Resp: 743577
Ion Ratio Lower Upper
105 100
120 47.5 0.0 95.4





#81

sec-Butylbenzene

Concen: 43.44 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

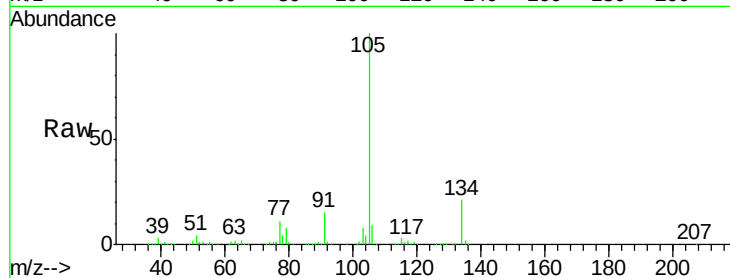
VSTDIC050

Tgt Ion:105 Resp: 824281

Ion Ratio Lower Upper

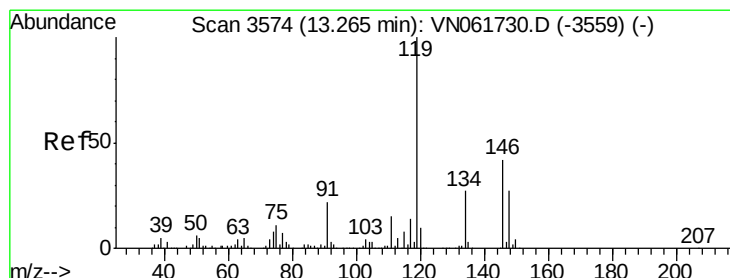
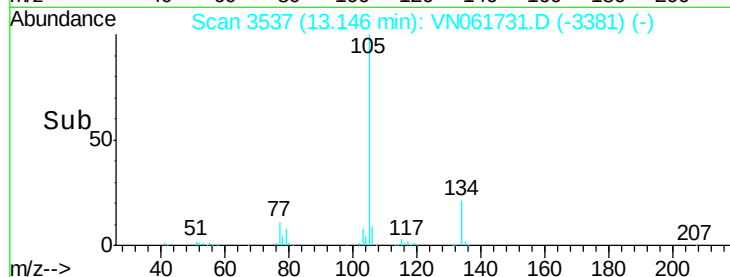
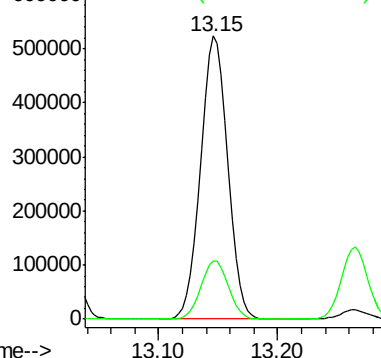
105 100

134 21.0 0.0 41.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 44.97 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

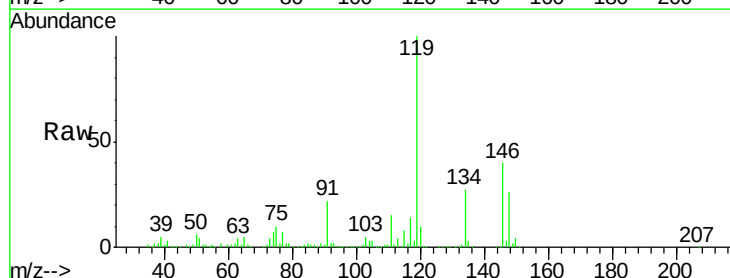
Tgt Ion:119 Resp: 771959

Ion Ratio Lower Upper

119 100

134 26.8 0.0 53.4

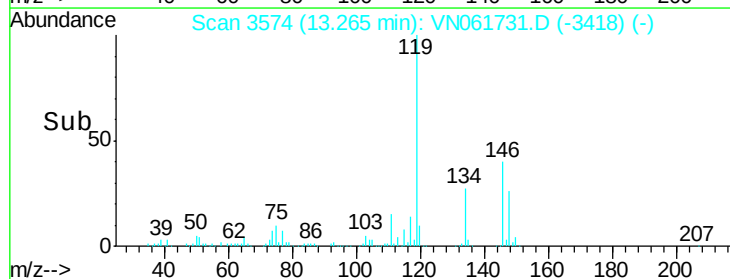
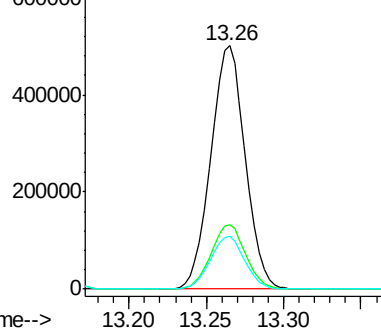
91 21.6 0.0 45.2

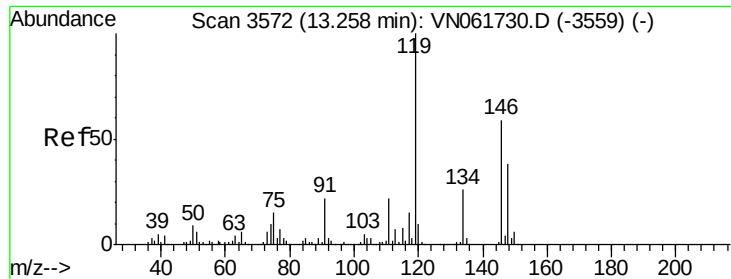


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

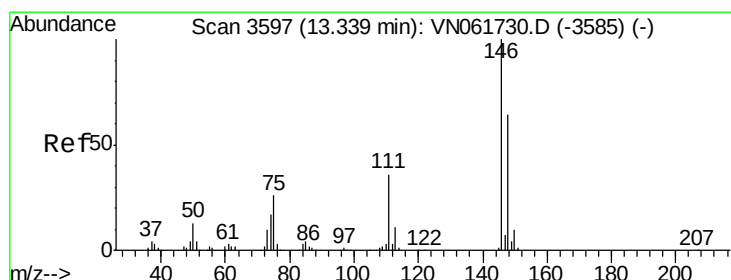
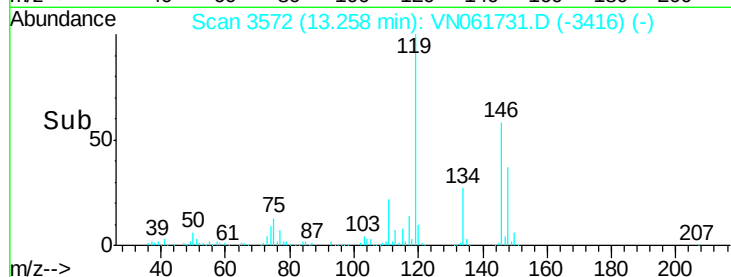
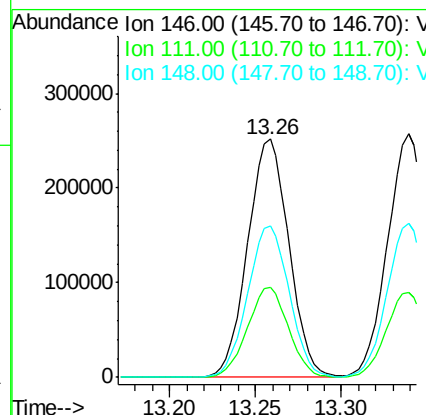
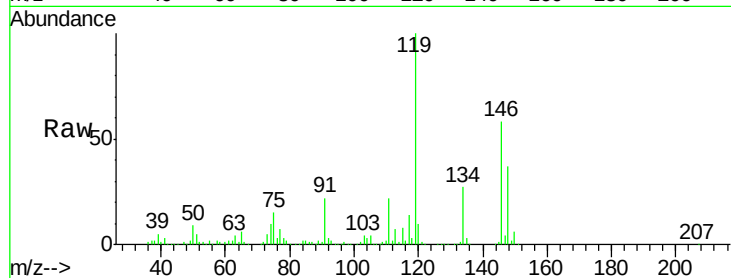




#83
1,3-Dichlorobenzene
Concen: 52.43 ug/l
RT: 13.26 min Scan# 3572
Delta R.T. 0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

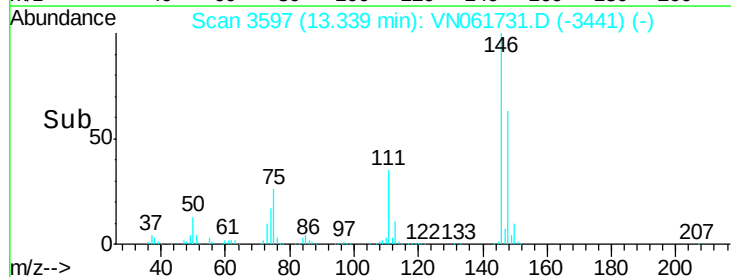
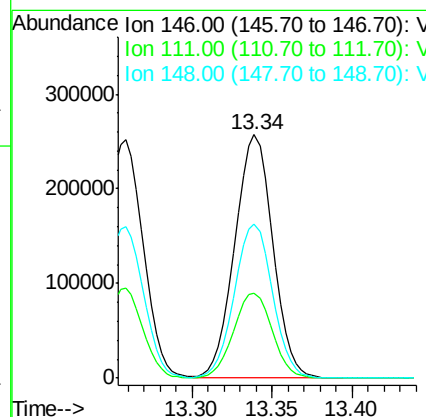
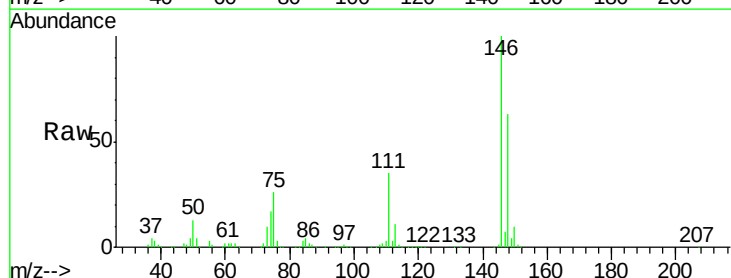
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

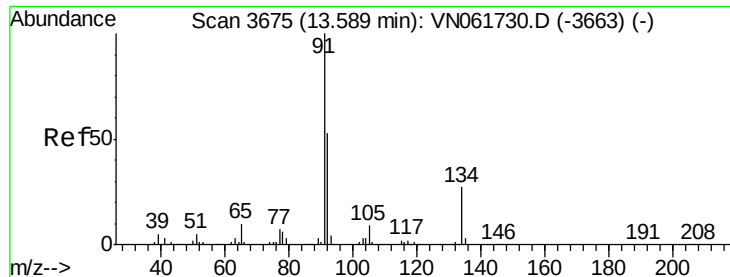
Tgt Ion:146 Resp: 419386
Ion Ratio Lower Upper
146 100
111 37.4 18.7 56.1
148 64.0 31.9 95.5



#84
1,4-Dichlorobenzene
Concen: 52.63 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

Tgt Ion:146 Resp: 414413
Ion Ratio Lower Upper
146 100
111 35.4 18.6 55.8
148 63.6 32.2 96.6





#85

n-Butylbenzene

Concen: 40.84 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

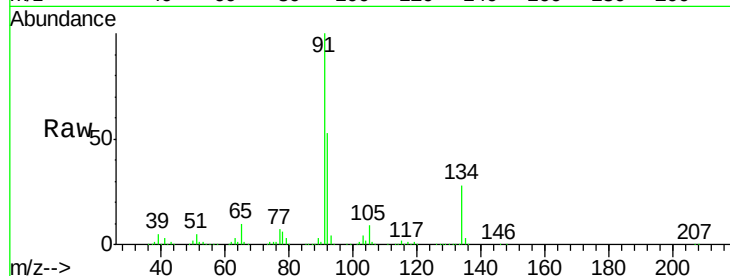
Tgt Ion: 91 Resp: 636716

Ion Ratio Lower Upper

91 100

92 53.2 0.0 107.2

134 28.2 0.0 55.8

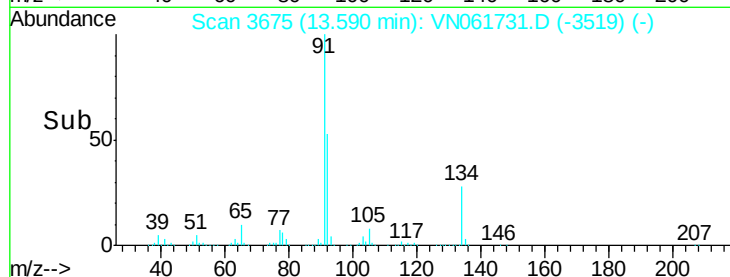


Abundance Ion 91.00 (90.70 to 91.70): VN061731.D (-3663) (-)

Ion 92.00 (91.70 to 92.70): VN061731.D (-3663) (-)

Ion 134.00 (133.70 to 134.70): VN061731.D (-3663) (-)

Time-->



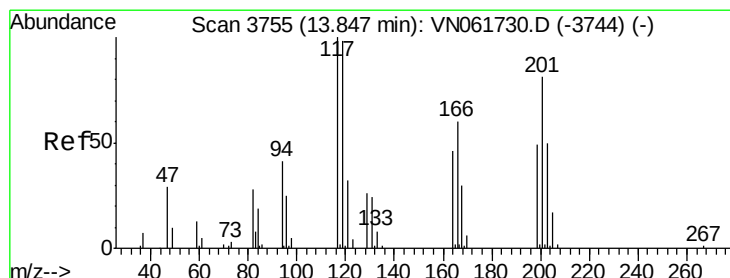
Abundance

Ion 91.00 (90.70 to 91.70): VN061731.D (-3519) (-)

Ion 92.00 (91.70 to 92.70): VN061731.D (-3519) (-)

Ion 134.00 (133.70 to 134.70): VN061731.D (-3519) (-)

Time-->



#86

Hexachloroethane

Concen: 42.91 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. 0.00 min

Lab File: VN061731.D

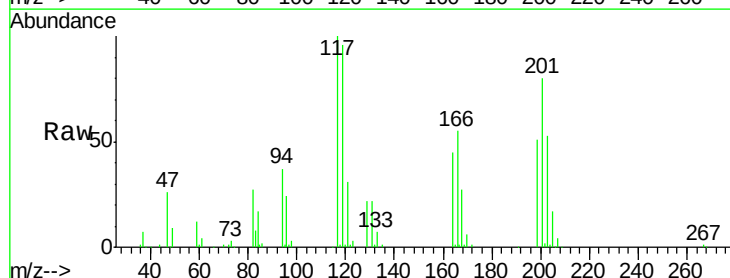
Acq: 10 Jun 2020 11:17

Tgt Ion: 117 Resp: 101647

Ion Ratio Lower Upper

117 100

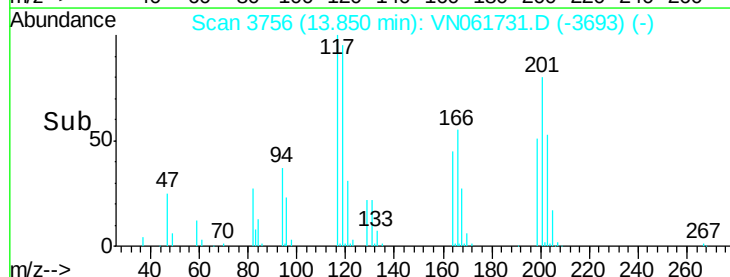
201 80.3 39.1 117.5



Abundance Ion 117.00 (116.70 to 117.70): VN061731.D (-3744) (-)

Ion 201.00 (200.70 to 201.70): VN061731.D (-3744) (-)

Time-->

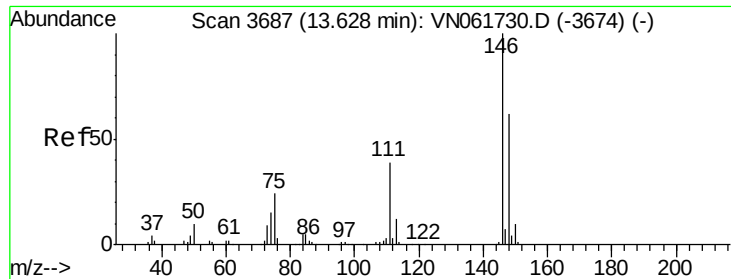


Abundance

Ion 117.00 (116.70 to 117.70): VN061731.D (-3693) (-)

Ion 201.00 (200.70 to 201.70): VN061731.D (-3693) (-)

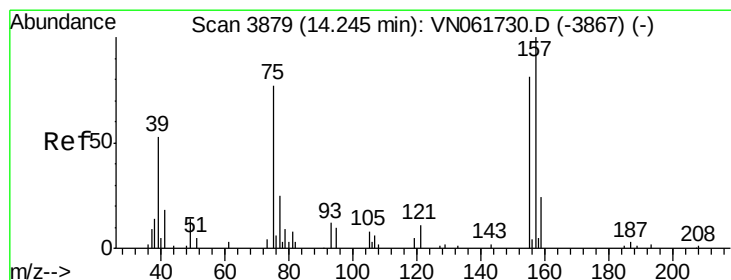
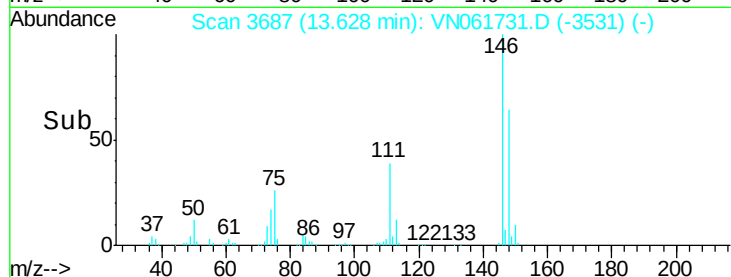
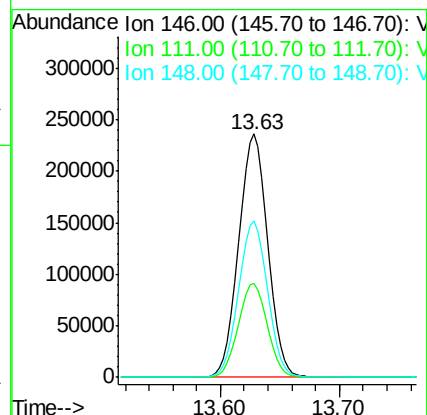
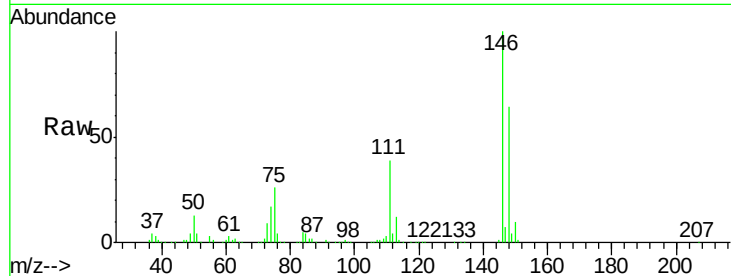
Time-->



#87
 1,2-Dichlorobenzene
 Concen: 52.87 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061731.D
 Acq: 10 Jun 2020 11:17

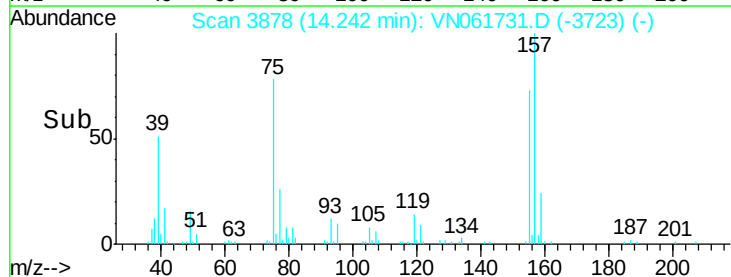
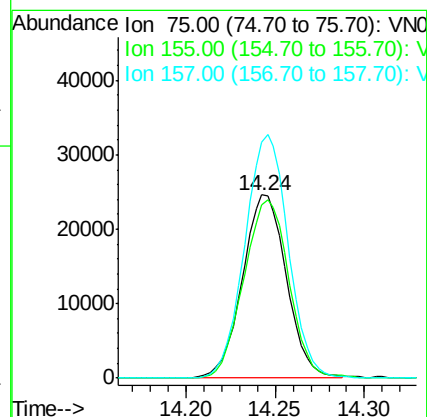
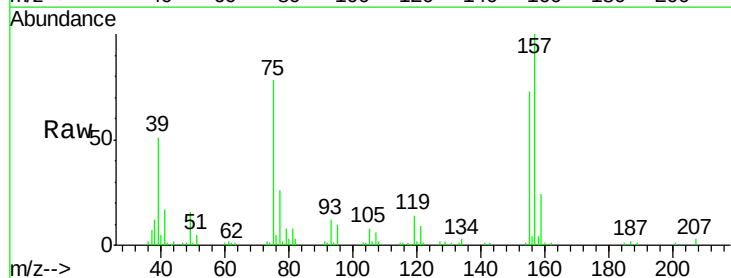
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

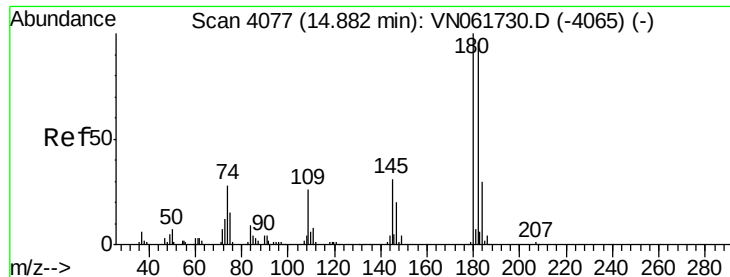
Tgt Ion:146 Resp: 400580
 Ion Ratio Lower Upper
 146 100
 111 38.5 19.3 57.9
 148 64.0 31.4 94.0



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 37.70 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN061731.D
 Acq: 10 Jun 2020 11:17

Tgt Ion: 75 Resp: 42301
 Ion Ratio Lower Upper
 75 100
 155 100.0 79.6 119.4
 157 131.3 100.8 151.2





#89

1,2,4-Trichlorobenzene

Concen: 55.10 ug/l

RT: 14.88 min Scan# 4077

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

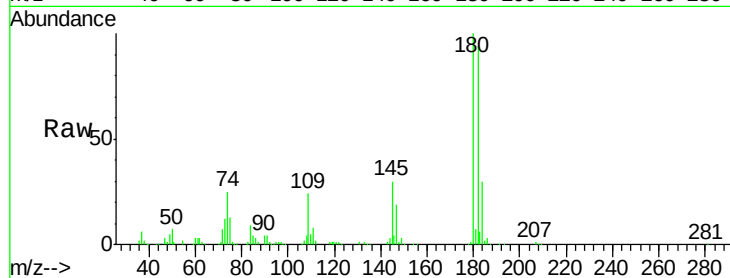
Tgt Ion:180 Resp: 237748

Ion Ratio Lower Upper

180 100

182 95.2 75.6 113.4

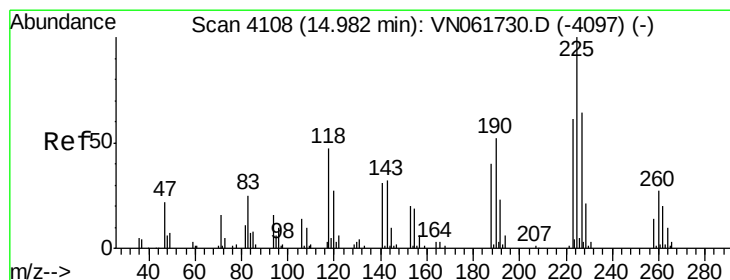
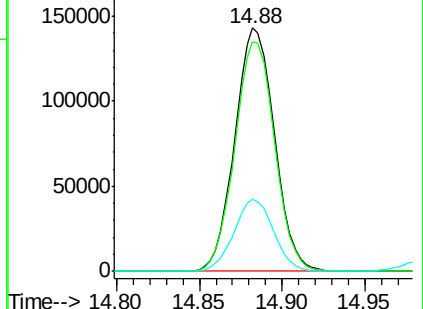
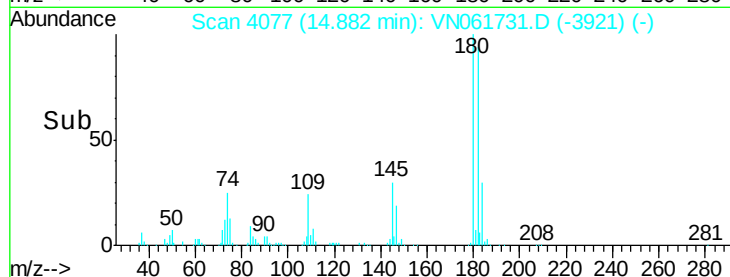
145 29.8 24.5 36.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90

Hexachlorobutadiene

Concen: 54.94 ug/l

RT: 14.98 min Scan# 4108

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

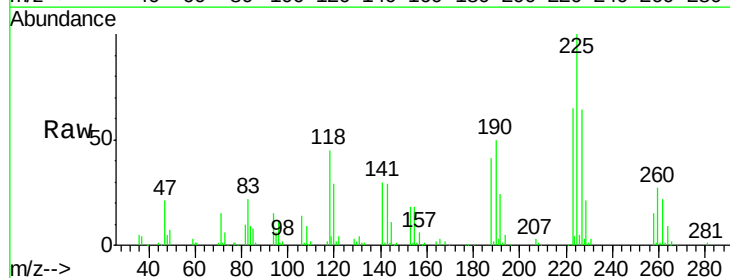
Tgt Ion:225 Resp: 99284

Ion Ratio Lower Upper

225 100

223 64.0 0.0 121.6

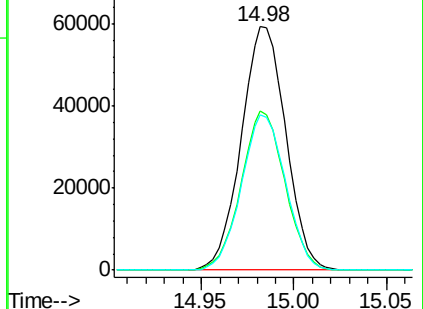
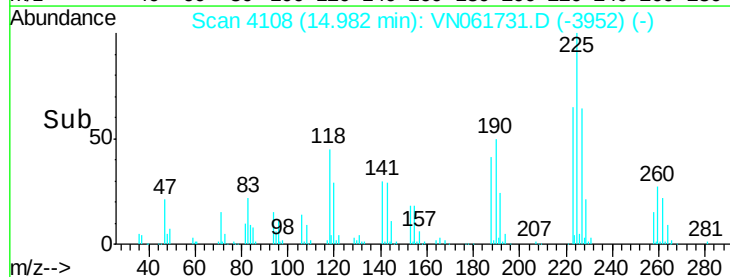
227 63.2 0.0 126.8

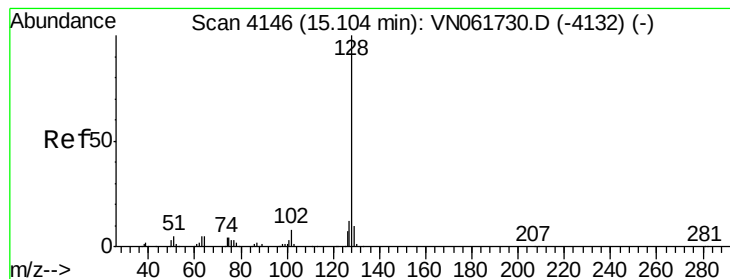


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 50.20 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

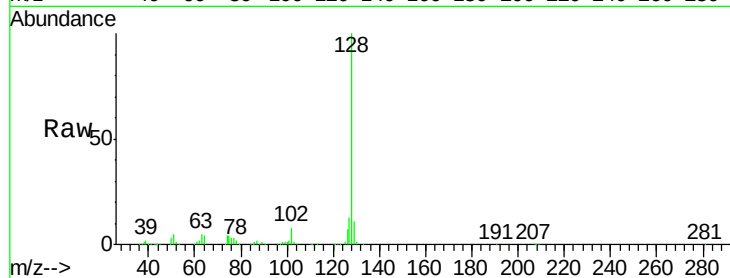
Tgt Ion:128 Resp: 667620

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

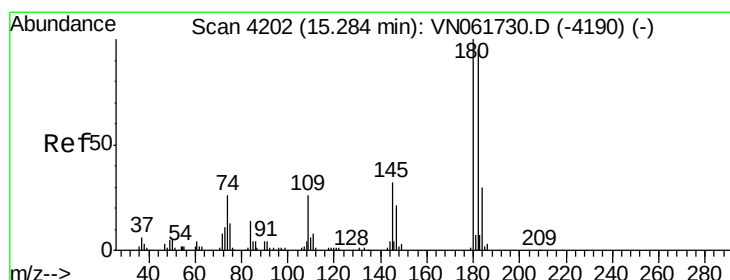
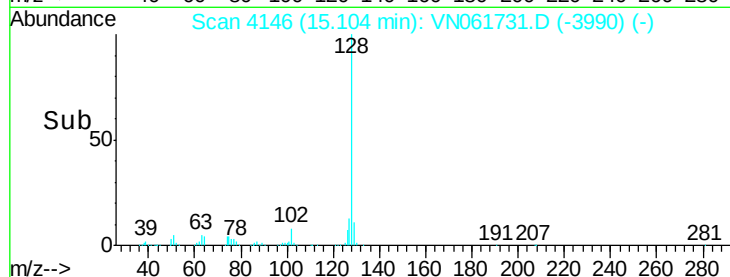
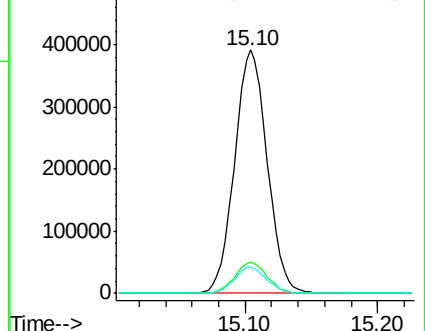
129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 54.05 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

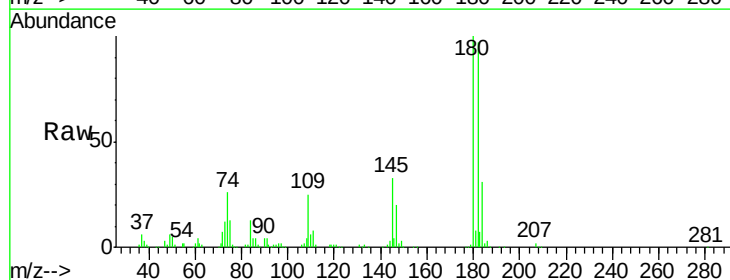
Tgt Ion:180 Resp: 228420

Ion Ratio Lower Upper

180 100

182 96.0 0.0 191.0

145 32.2 0.0 64.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

