

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071320\
 Data File : VN062518.D
 Acq On : 13 Jul 2020 16:13
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Jul 14 01:03:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Jul 14 00:52:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	41938	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	230544	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	210163	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	102869	28.55	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.17%
60) 4-Bromofluorobenzene	12.37	95	106003	29.64	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.80%
63) Toluene-d8	10.06	98	302774	30.49	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	50505	20.404	ug/l 96
3) Chloromethane	2.04	50	71492	20.002	ug/l 99
4) Vinyl Chloride	2.16	62	62443	19.986	ug/l 99
5) Bromomethane	2.54	94	27325	17.629	ug/l 91
6) Chloroethane	2.67	64	29177	18.970	ug/l 97
7) Trichlorofluoromethane	2.98	101	69427	18.960	ug/l 98
8) Diethyl Ether	3.37	74	34687	19.705	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	46668	19.714	ug/l 97
10) 1,1-Dichloroethene	3.70	96	47408	19.631	ug/l 94
11) Methyl Iodide	3.91	142	56011	18.939	ug/l 97
12) Methyl Acetate	4.28	43	60135	18.567	ug/l 98
13) Acrolein	3.57	56	43323	89.526	ug/l 99
14) Acrylonitrile	4.93	53	139560	92.649	ug/l 99
15) Acetone	3.77	58	35907	77.652	ug/l 99
16) Carbon Disulfide	4.01	76	151574	19.260	ug/l 99
17) Allyl chloride	4.27	41	93772	18.257	ug/l 97
18) Methylene Chloride	4.50	84	58095	19.550	ug/l 98
19) trans-1,2-Dichloroethene	4.99	96	51933	19.429	ug/l 95
20) Diisopropyl ether	5.90	45	209445	19.837	ug/l 99
21) 1,1-Dichloroethane	5.80	63	109429	19.604	ug/l 98
22) cis-1,2-Dichloroethene	6.78	96	59501	19.739	ug/l 99
23) tert-Butyl Alcohol	4.73	59	47968	95.153	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	172444	19.368	ug/l 99
25) Chloroform	7.33	83	100274	19.588	ug/l 98
26) Cyclohexane	7.61	56	97732	19.864	ug/l # 98
29) 1,1-Dichloropropene	7.75	75	79106	20.229	ug/l 98
30) 2-Butanone	6.78	43	188826	91.047	ug/l 98
31) 2,2-Dichloropropane	6.77	77	86615	19.643	ug/l # 71
32) 1,1,1-Trichloroethane	7.52	97	84770	20.169	ug/l 98
33) Carbon Tetrachloride	7.73	117	72007	19.763	ug/l 99
34) Benzene	8.00	78	236125	20.324	ug/l 97
35) Methacrylonitrile	7.12	41	42375	23.260	ug/l 97
36) 1,2-Dichloroethane	8.08	62	84510	20.238	ug/l 100
37) Trichloroethene	8.80	130	52560	20.141	ug/l 98
38) Methylcyclohexane	9.05	83	87757	20.004	ug/l 98
39) 1,2-Dichloropropane	9.08	63	66602	20.122	ug/l 100
40) Dibromomethane	9.17	93	37965	19.903	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	80734	19.955	ug/l	99
42) Vinyl Acetate	5.84	43	862073	100.030	ug/l	100
43) Ethyl Acetate	6.88	43	80403	19.283	ug/l	99
44) Isopropyl Acetate	8.12	43	136883	19.567	ug/l	98
45) 1,4-Dioxane	9.16	88	18211	380.544	ug/l	95
46) Methyl methacrylate	9.17	41	62747	18.906	ug/l	96
47) n-amyl Acetate	12.04	43	110119	18.674	ug/l	97
48) t-1,3-Dichloropropene	10.35	75	92516	19.605	ug/l	98
49) cis-1,3-Dichloropropene	9.81	75	101423	19.910	ug/l	98
50) 1,1,2-Trichloroethane	10.53	97	53911	20.163	ug/l	98
51) Ethyl methacrylate	10.40	69	87509	19.439	ug/l	99
52) 1,3-Dichloropropane	10.68	76	96884	19.743	ug/l	97
53) Dibromochloromethane	10.87	129	58059	19.930	ug/l	99
54) 1,2-Dibromoethane	10.98	107	54150	19.786	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	141560	98.454	ug/l	100
56) Bromoform	12.10	173	39388	19.796	ug/l	99
58) 4-Methyl-2-Pentanone	9.95	43	404504	98.788	ug/l	100
59) 2-Hexanone	10.72	43	282971	94.229	ug/l	99
61) Tetrachloroethene	10.60	164	44383	20.622	ug/l	93
62) Toluene	10.12	91	244055	20.470	ug/l	99
64) Chlorobenzene	11.40	112	142497	20.340	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	52508	20.248	ug/l	99
66) Ethyl Benzene	11.48	91	263416	19.951	ug/l	99
67) m/p-Xylenes	11.59	106	193397	40.357	ug/l	100
68) o-Xylene	11.92	106	91358	19.865	ug/l	100
69) Styrene	11.94	104	153526	19.669	ug/l	99
70) Isopropylbenzene	12.22	105	248120	20.098	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	80010	20.053	ug/l	100
72) 1,2,3-Trichloropropane	12.53	75	103723	26.725	ug/l	60
73) Bromobenzene	12.50	156	56737	19.844	ug/l	98
74) n-propylbenzene	12.56	91	294510	20.069	ug/l	100
75) 2-Chlorotoluene	12.65	91	177862	20.131	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	210523	20.013	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	27254	18.776	ug/l	97
78) 4-Chlorotoluene	12.75	91	179360	19.895	ug/l	99
79) tert-butylbenzene	12.97	119	175468	20.145	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	202806	19.603	ug/l	99
81) sec-Butylbenzene	13.15	105	233041	19.922	ug/l	100
82) p-Isopropyltoluene	13.26	119	203746	19.737	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	98309	19.799	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	95781	19.549	ug/l	97
85) n-Butylbenzene	13.59	91	166084	18.756	ug/l	98
86) Hexachloroethane	13.85	117	38181	19.168	ug/l	98
87) 1,2-Dichlorobenzene	13.63	146	96621	20.236	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.25	75	14419	19.135	ug/l	98
89) 1,2,4-Trichlorobenzene	14.89	180	44558	18.745	ug/l	99
90) Hexachlorobutadiene	14.99	225	26888	20.395	ug/l	96
91) Naphthalene	15.10	128	118454	18.380	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	46401	19.368	ug/l	99

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QLast Update : Tue Jul 14 00:52:57 2020
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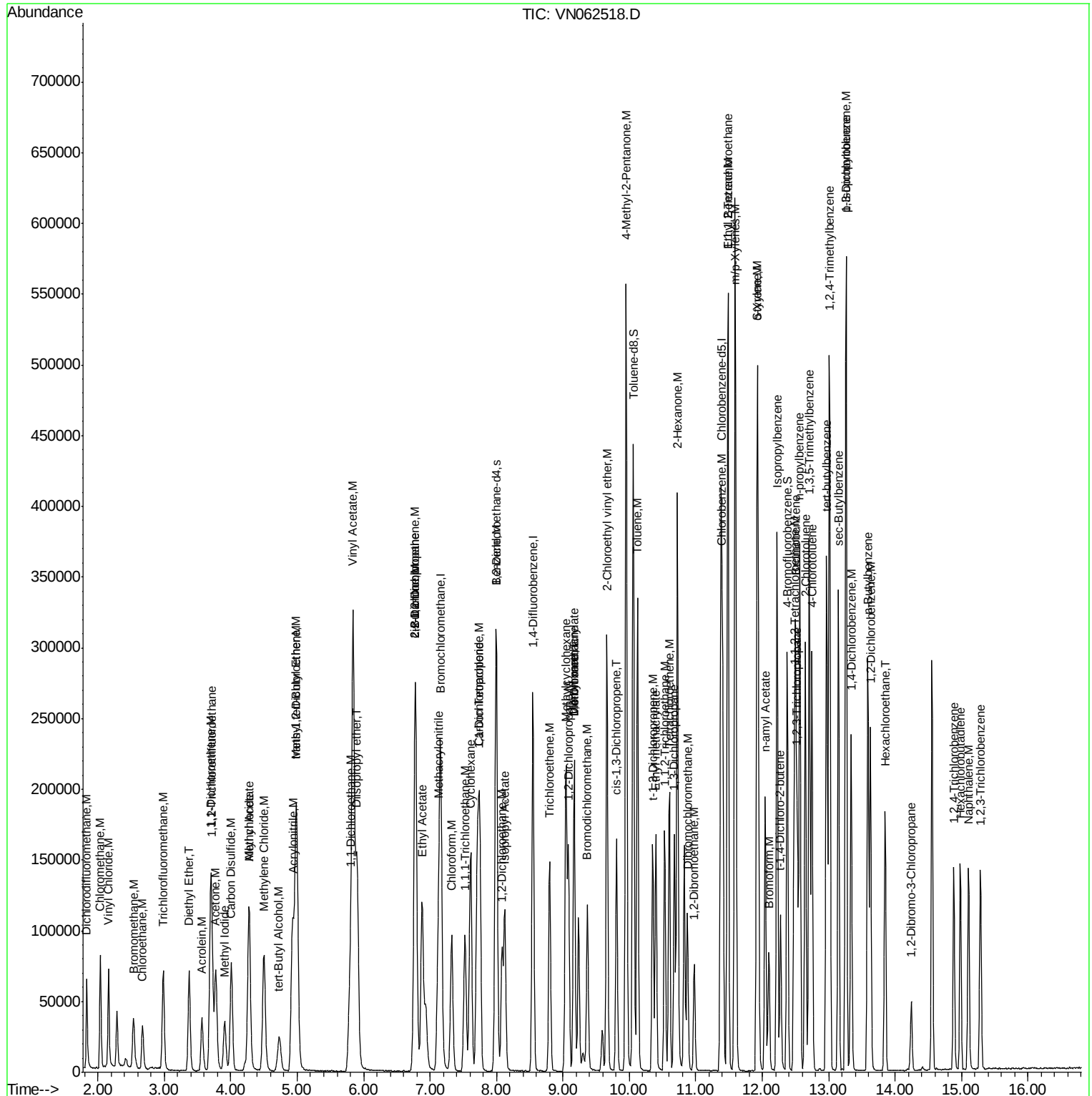
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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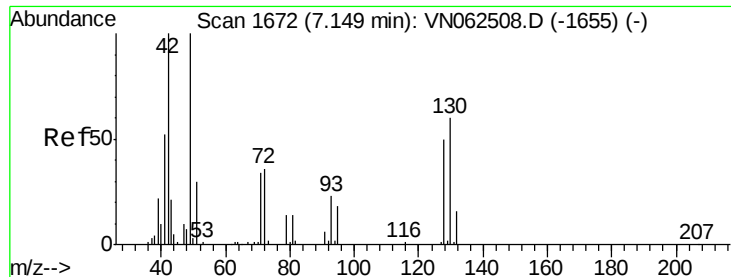
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
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Quant Time: Jul 14 01:03:11 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071320W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Jul 14 00:52:57 2020
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VN062518.D

Acq: 13 Jul 2020 16:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

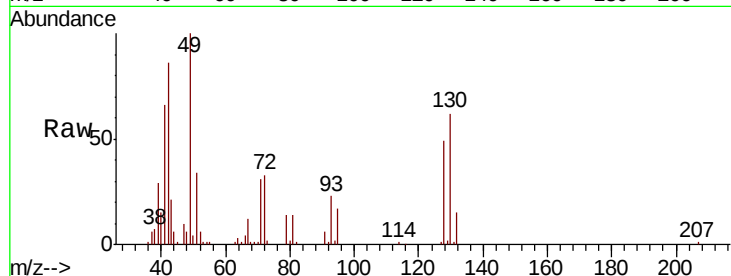
Tot Ion:128 Resp: 41938

Ion Ratio Lower Upper

128 100

49 204.7 0.0 525.0

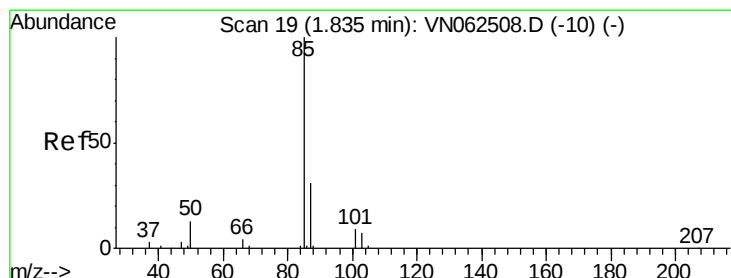
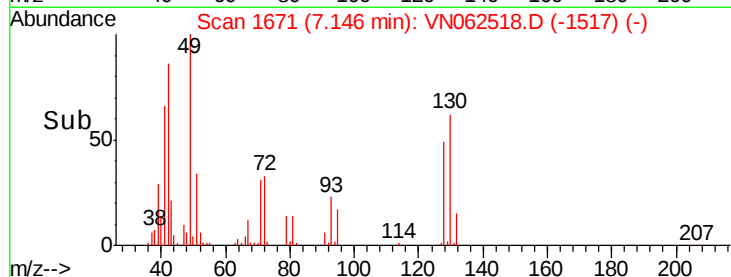
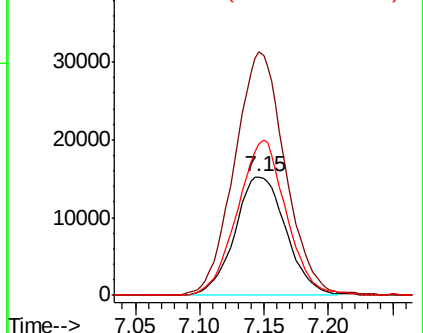
130 126.0 0.0 319.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.404 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062518.D

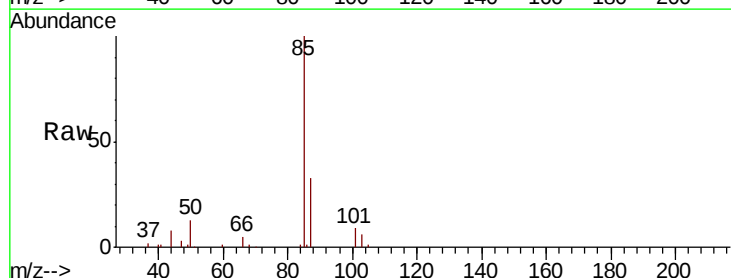
Acq: 13 Jul 2020 16:13

Tgt Ion: 85 Resp: 50505

Ion Ratio Lower Upper

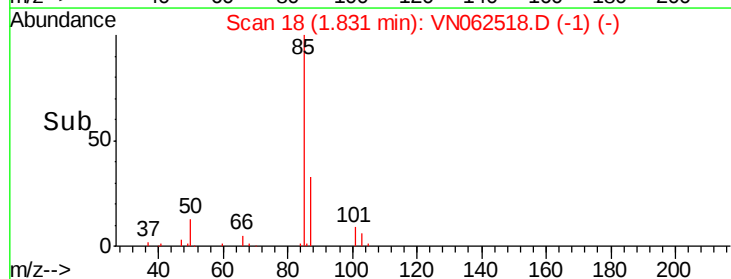
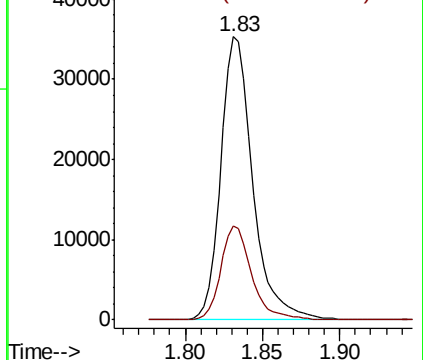
85 100

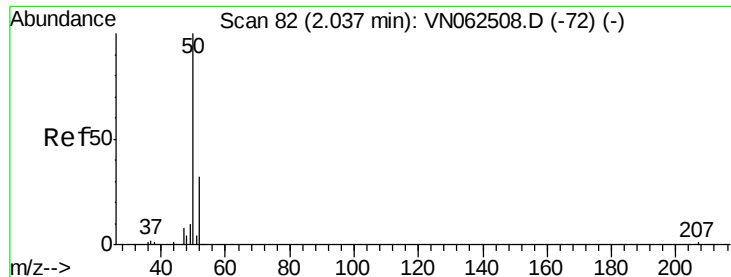
87 33.3 15.6 46.7



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 20.002 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN062518.D

Acq: 13 Jul 2020 16:13

Instrument :

MSVOA_N

ClientSampleId :

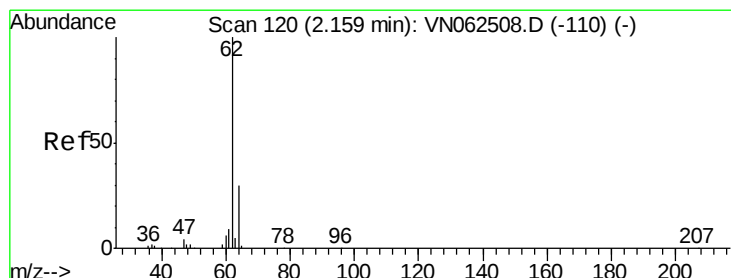
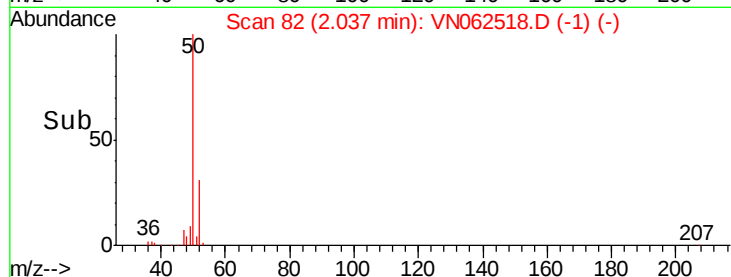
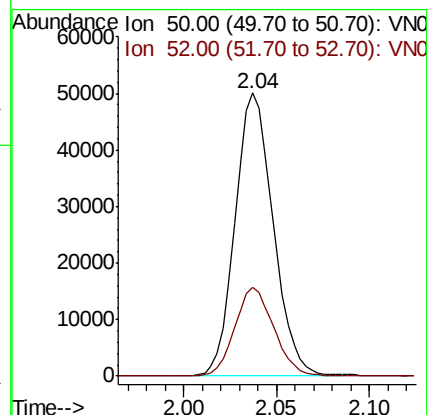
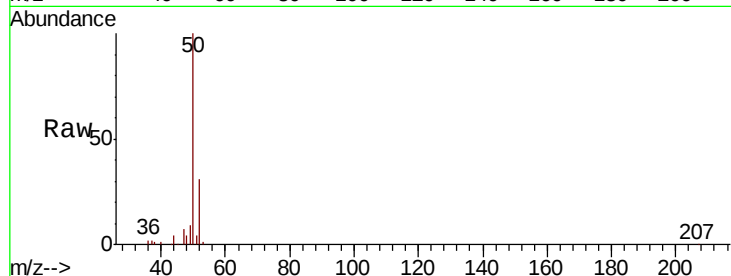
VSTDCCC020EC

Tot Ion: 50 Resp: 71492

Ion Ratio Lower Upper

50 100

52 31.5 25.4 38.2



#4

Vinyl Chloride

Concen: 19.986 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN062518.D

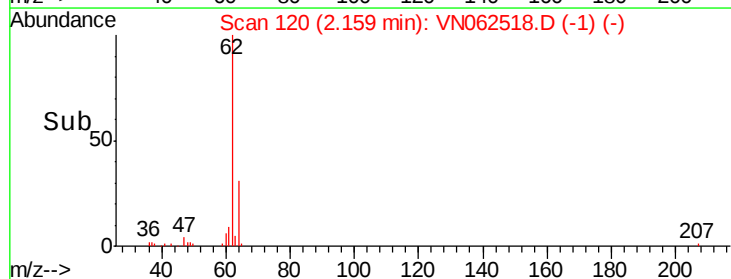
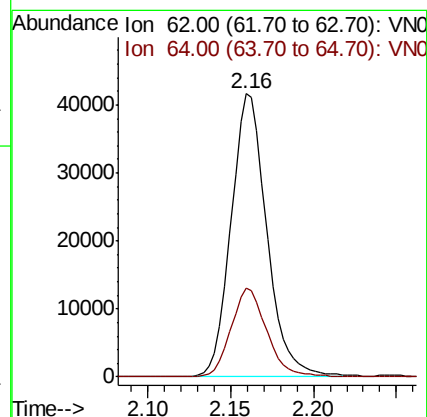
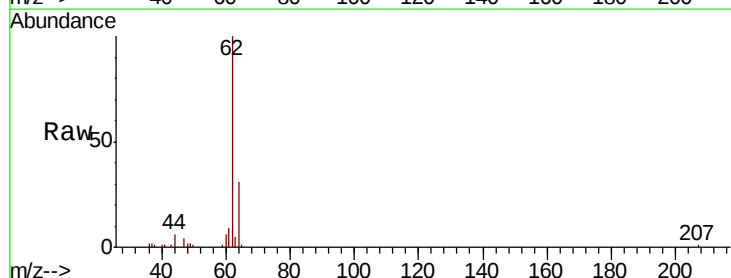
Acq: 13 Jul 2020 16:13

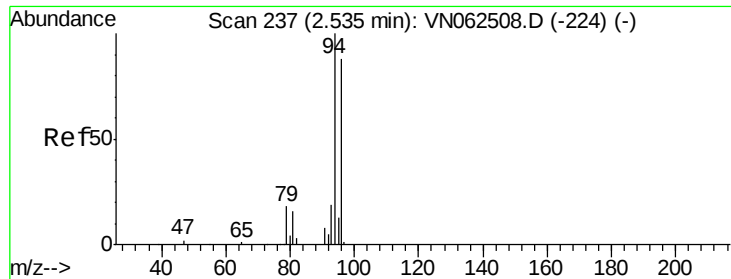
Tgt Ion: 62 Resp: 62443

Ion Ratio Lower Upper

62 100

64 31.2 24.3 36.5





#5

Bromomethane

Concen: 17.629 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.00 min

Lab File: VN062518.D

Acq: 13 Jul 2020 16:13

Instrument :

MSVOA_N

ClientSampleId :

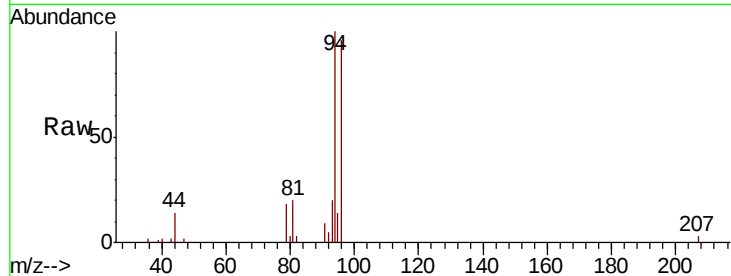
VSTDCCC020EC

Tot Ion: 94 Resp: 27325

Ion Ratio Lower Upper

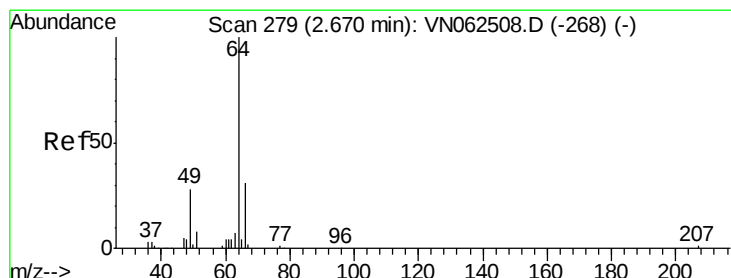
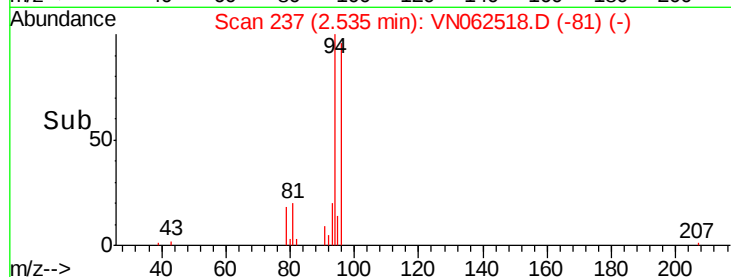
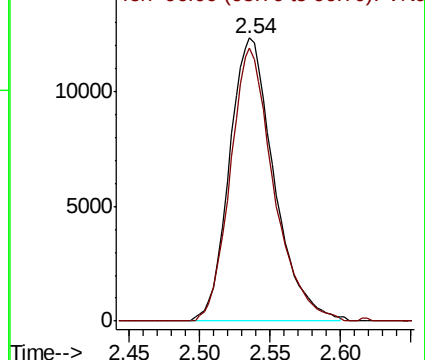
94 100

96 96.3 70.2 105.4



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 18.970 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.00 min

Lab File: VN062518.D

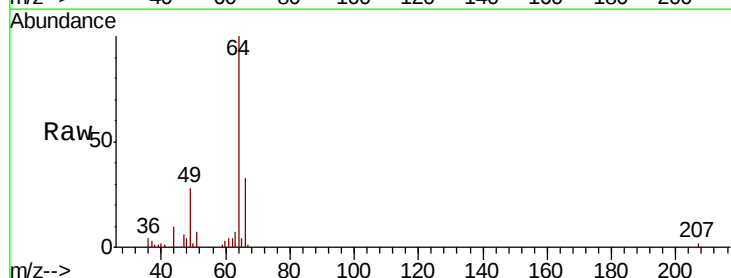
Acq: 13 Jul 2020 16:13

Tgt Ion: 64 Resp: 29177

Ion Ratio Lower Upper

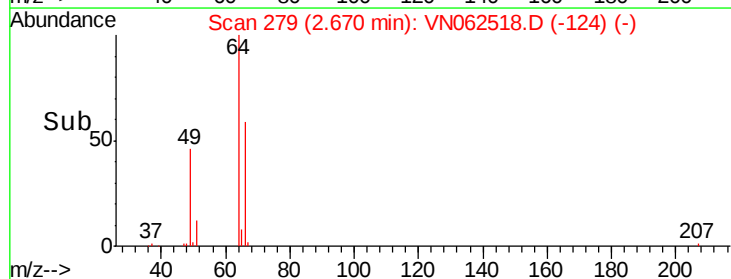
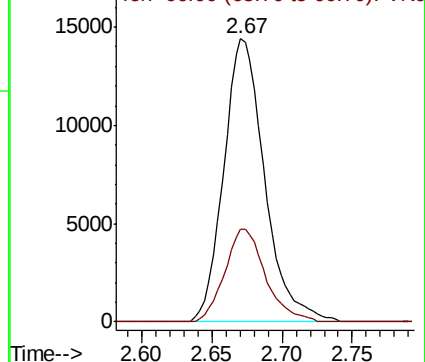
64 100

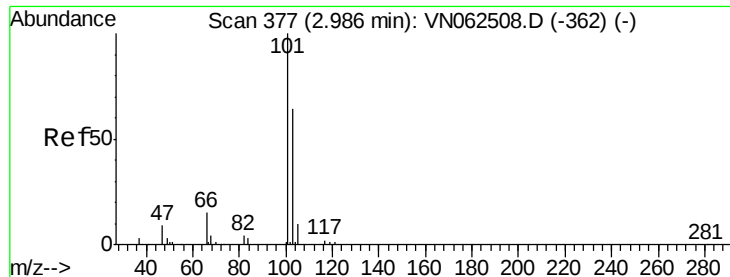
66 32.6 24.9 37.3



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



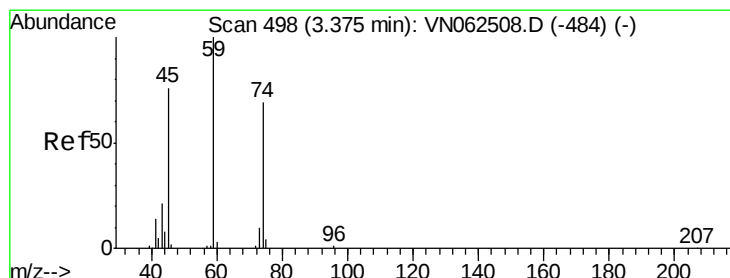
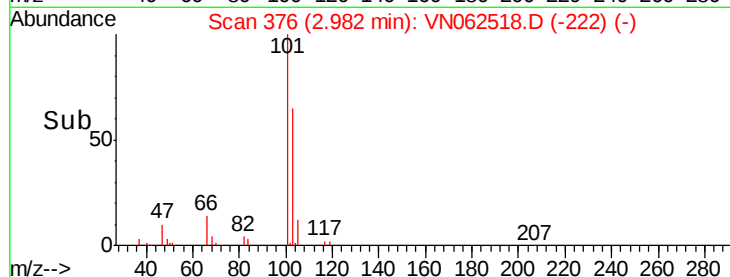
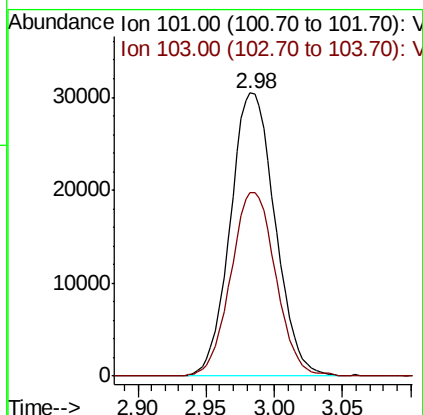
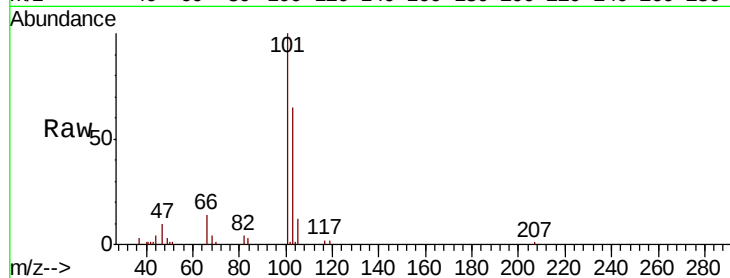


#7

Trichlorofluoromethane
 Concen: 18.960 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. -0.00 min
 Lab File: VN062518.D
 Acq: 13 Jul 2020 16:13

Instrument :
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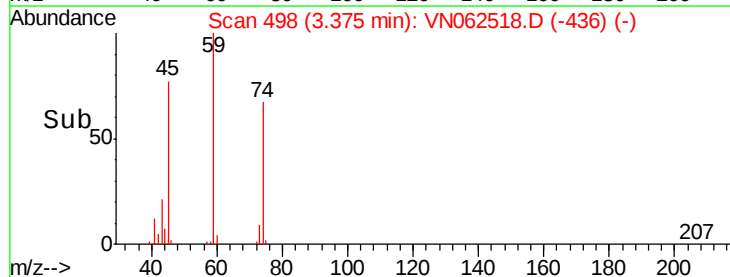
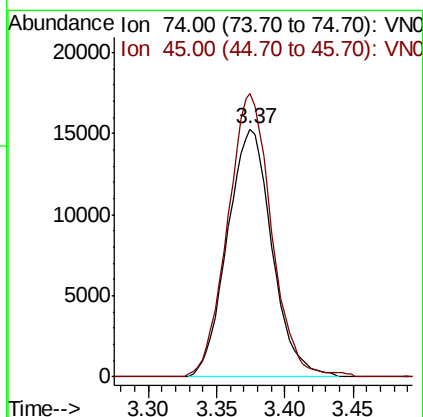
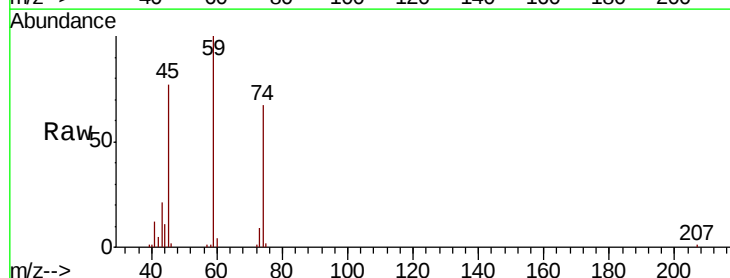
Tot Ion:101 Resp: 69427
 Ion Ratio Lower Upper
 101 100
 103 65.0 50.9 76.3

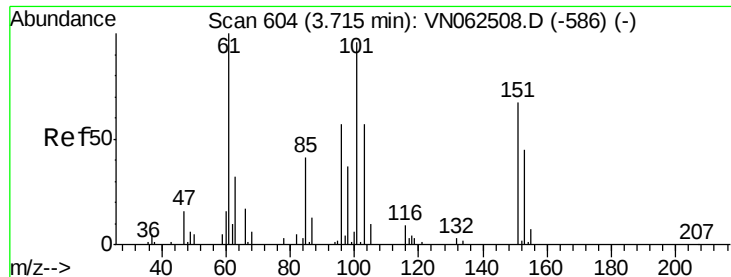


#8

Diethyl Ether
 Concen: 19.705 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. -0.00 min
 Lab File: VN062518.D
 Acq: 13 Jul 2020 16:13

Tgt Ion: 74 Resp: 34687
 Ion Ratio Lower Upper
 74 100
 45 112.6 21.8 196.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.714 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN062518.D

Acq: 13 Jul 2020 16:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

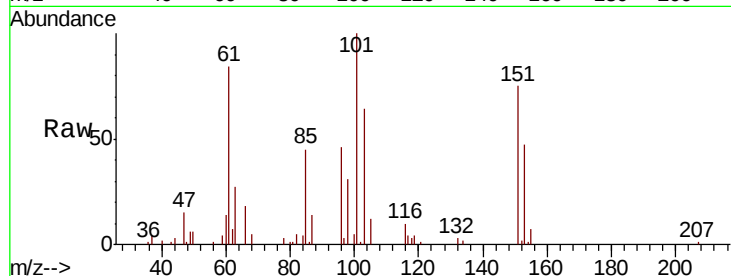
Tot Ion:101 Resp: 46668

Ion Ratio Lower Upper

101 100

85 45.6 0.0 90.4

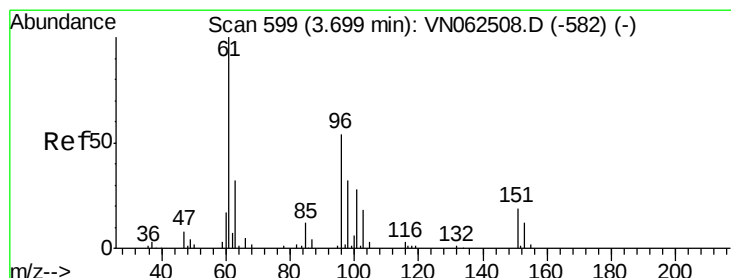
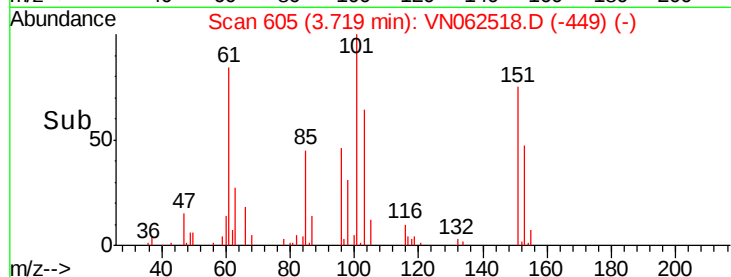
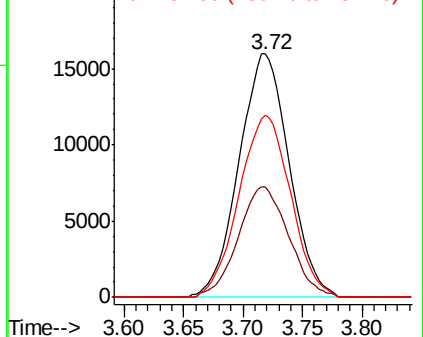
151 76.9 0.0 145.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.631 ug/l

RT: 3.70 min Scan# 598

Delta R.T. -0.00 min

Lab File: VN062518.D

Acq: 13 Jul 2020 16:13

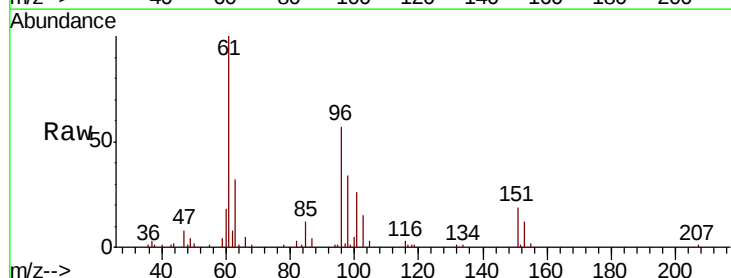
Tgt Ion: 96 Resp: 47408

Ion Ratio Lower Upper

96 100

61 174.2 147.8 221.8

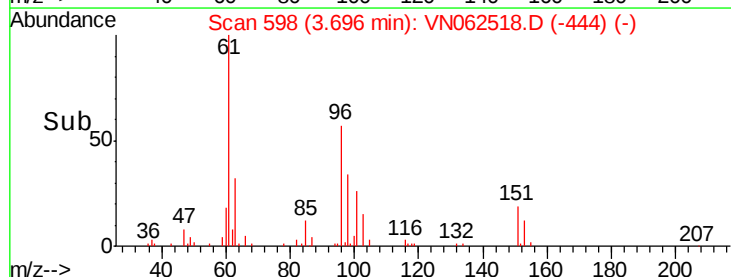
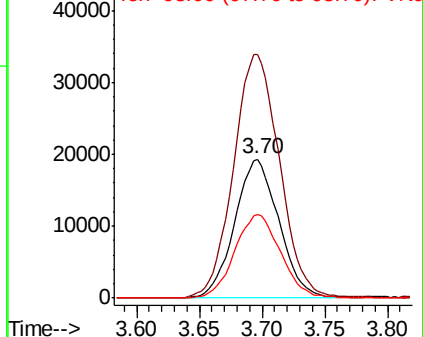
98 60.4 47.8 71.8

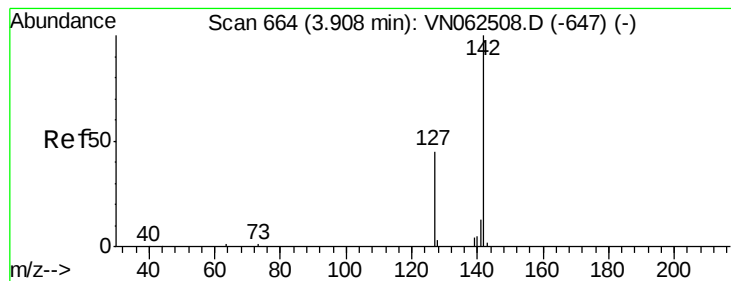


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN





#11

Methvl Iodide

Concen: 18.939 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN062518.D

Acq: 13 Jul 2020 16:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

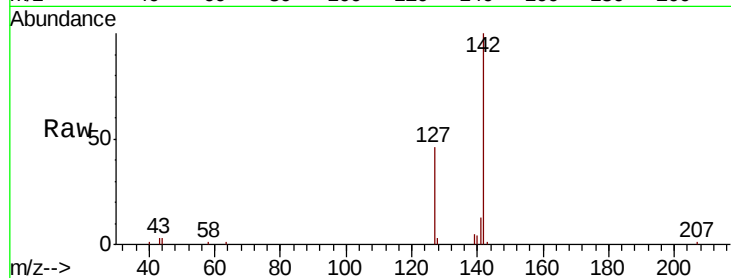
Tot Ion:142 Resp: 56011

Ion Ratio Lower Upper

142 100

127 46.2 22.1 66.5

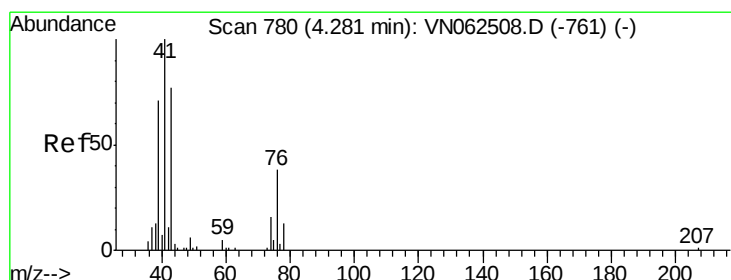
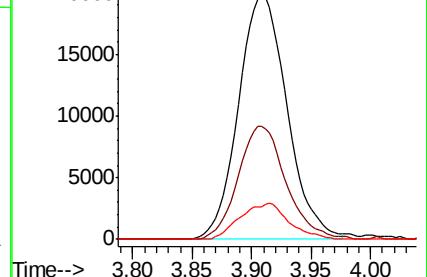
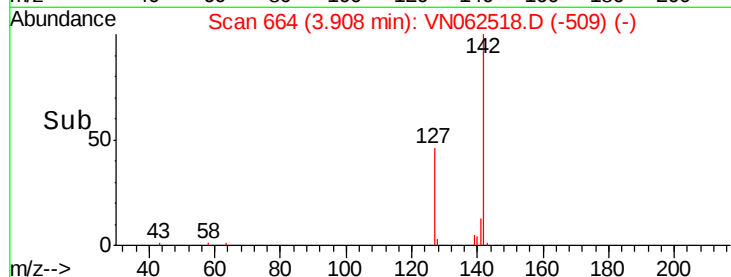
141 13.6 6.5 19.4



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12

Methyl Acetate

Concen: 18.567 ug/l

RT: 4.28 min Scan# 779

Delta R.T. -0.00 min

Lab File: VN062518.D

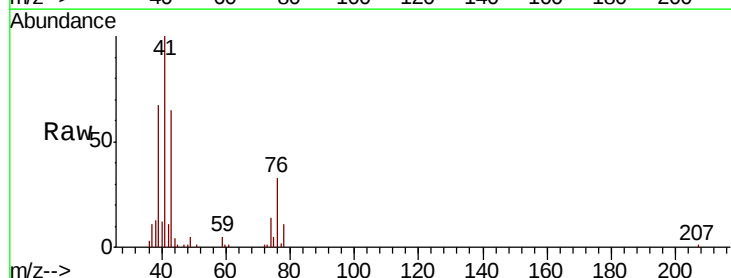
Acq: 13 Jul 2020 16:13

Tgt Ion: 43 Resp: 60135

Ion Ratio Lower Upper

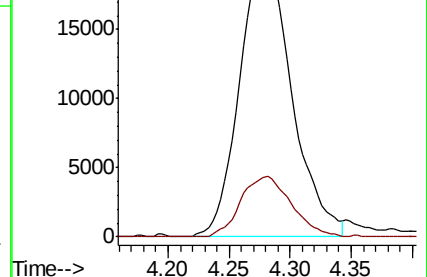
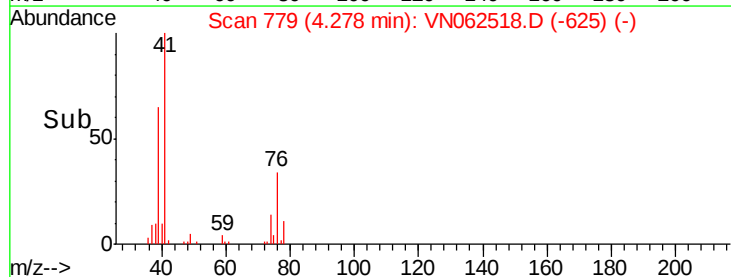
43 100

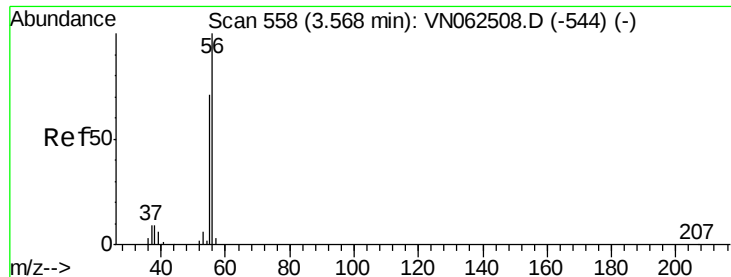
74 21.8 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 89.526 ug/l

RT: 3.57 min Scan# 558

Delta R.T. -0.00 min

Lab File: VN062518.D

Acq: 13 Jul 2020 16:13

Instrument :

MSVOA_N

ClientSampleId :

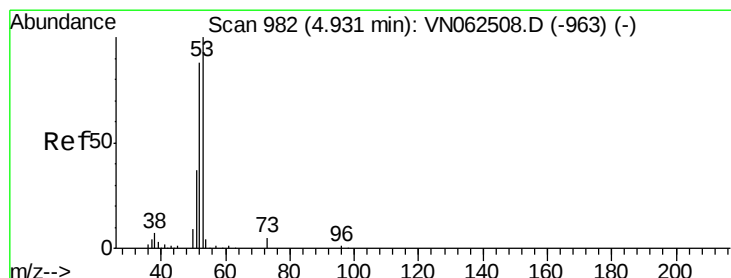
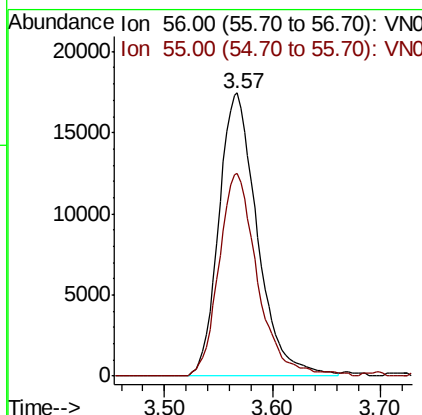
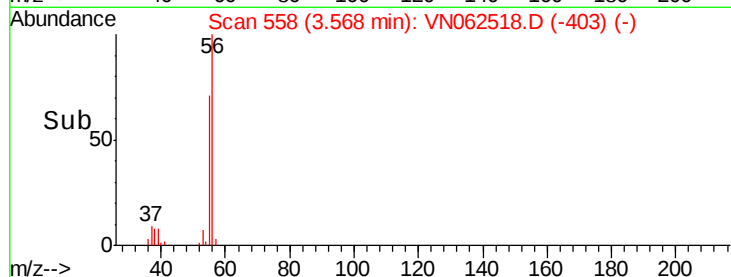
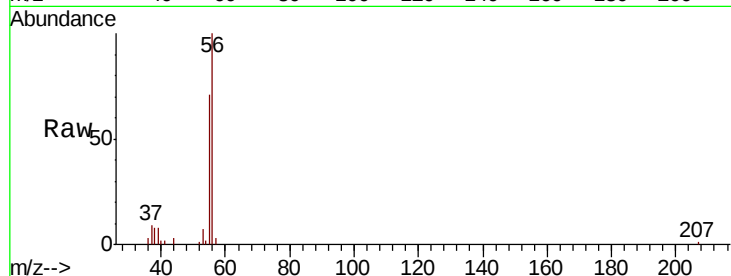
VSTDCCC020EC

Tot Ion: 56 Resp: 43323

Ion Ratio Lower Upper

56 100

55 70.8 56.0 84.0



#14

Acrylonitrile

Concen: 92.649 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN062518.D

Acq: 13 Jul 2020 16:13

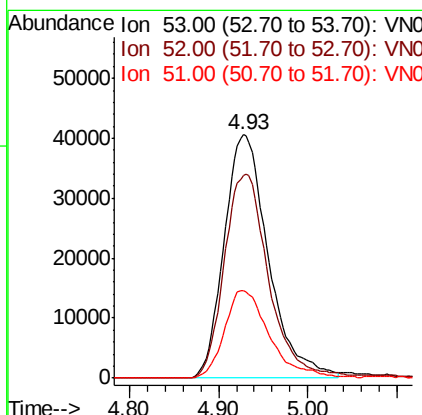
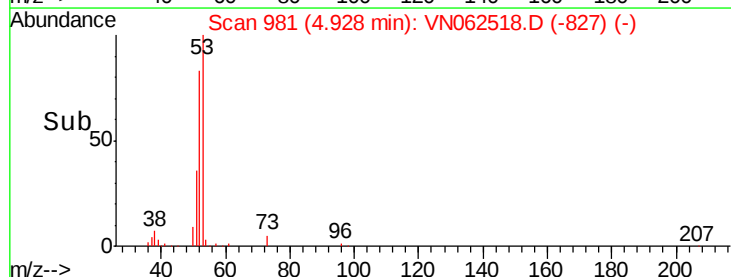
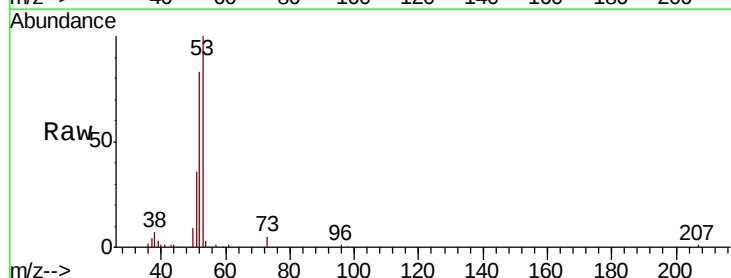
Tgt Ion: 53 Resp: 139560

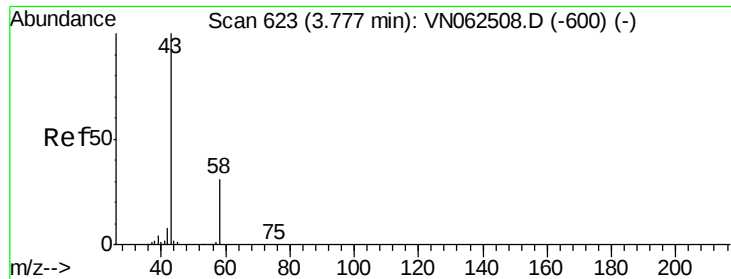
Ion Ratio Lower Upper

53 100

52 84.3 41.8 125.4

51 35.5 18.5 55.5





#15

Acetone

Concen: 77.652 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.00 min

Lab File: VN062518.D

Acq: 13 Jul 2020 16:13

Instrument :

MSVOA_N

ClientSampleId :

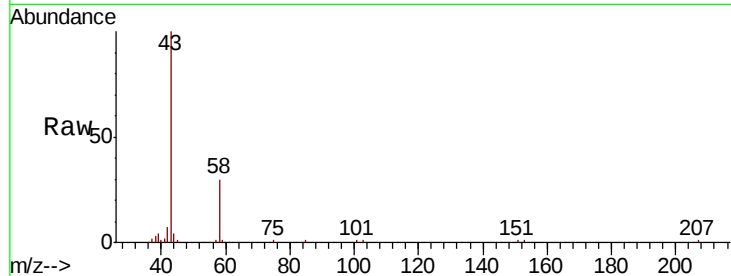
VSTDCCC020EC

Tot Ion: 58 Resp: 35907

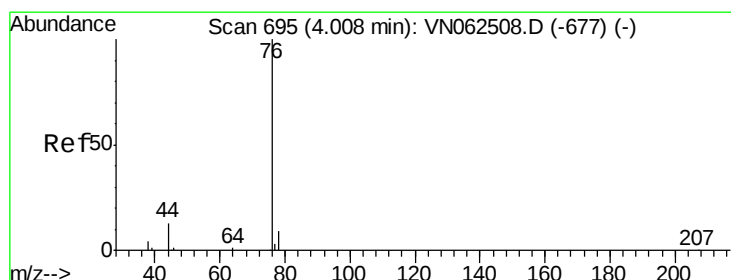
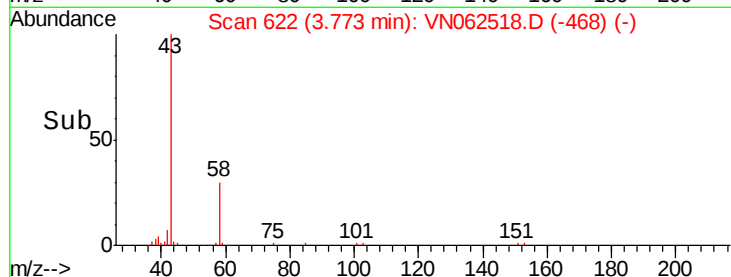
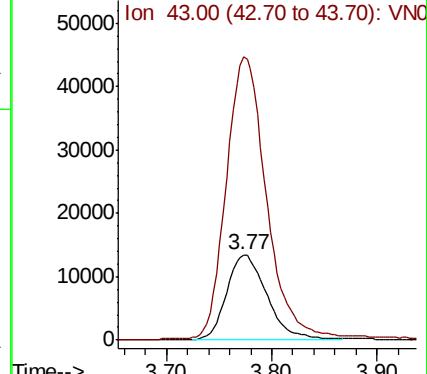
Ion Ratio Lower Upper

58 100

43 328.8 261.1 391.7



Abundance Ion 58.00 (57.70 to 58.70): VN062518.D (-468) (-)



#16

Carbon Disulfide

Concen: 19.260 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN062518.D

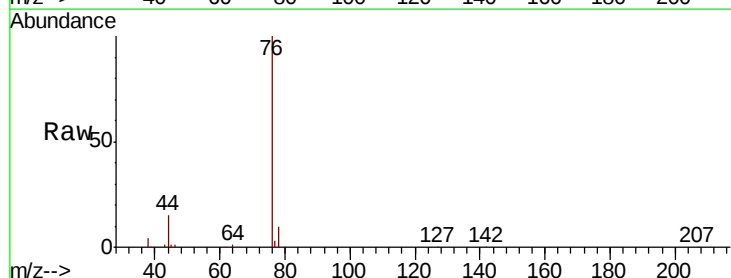
Acq: 13 Jul 2020 16:13

Tgt Ion: 76 Resp: 151574

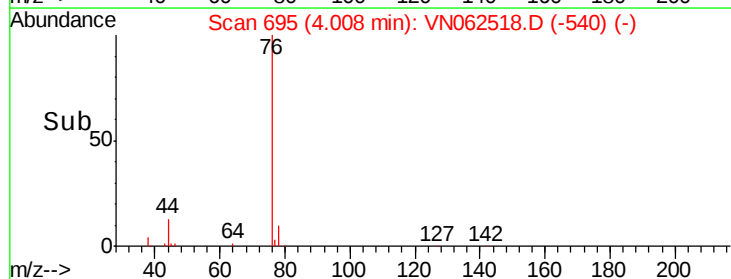
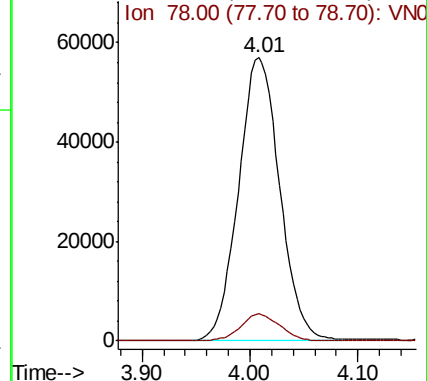
Ion Ratio Lower Upper

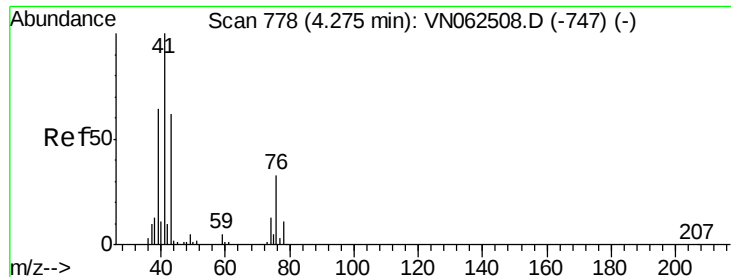
76 100

78 9.5 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN062518.D (-540) (-)

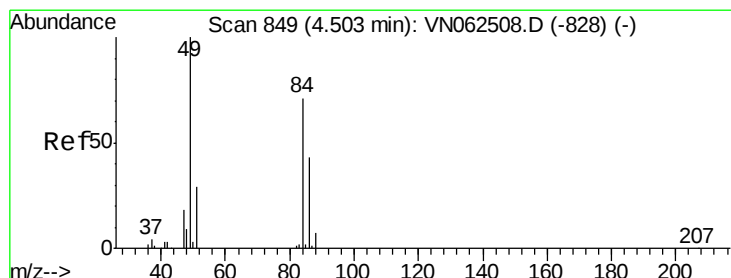
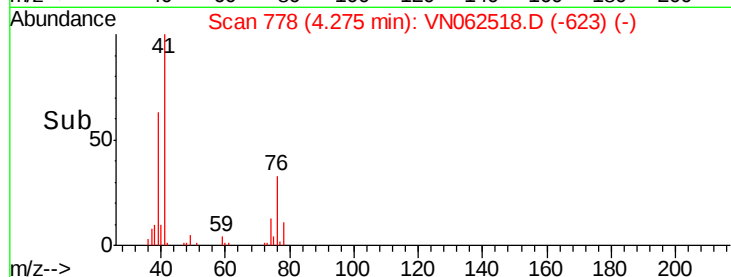
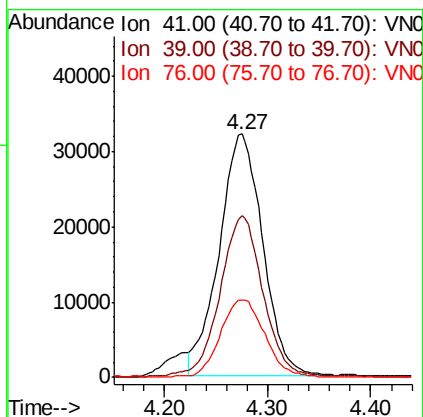
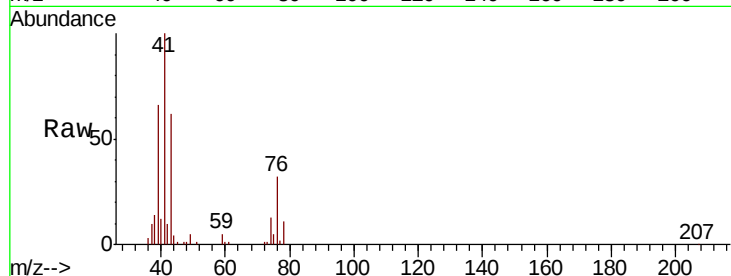




#17
Allvl chloride
Concen: 18.257 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN062518.D
Acq: 13 Jul 2020 16:13

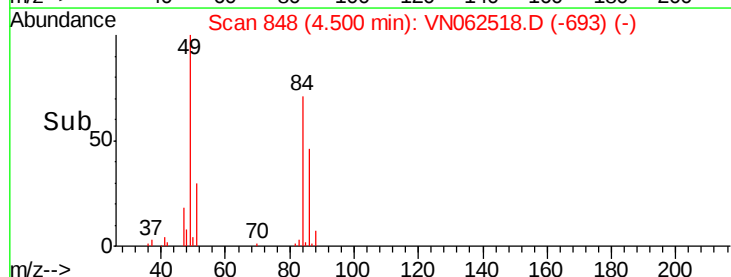
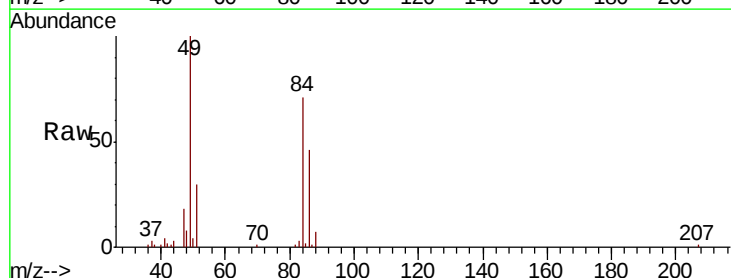
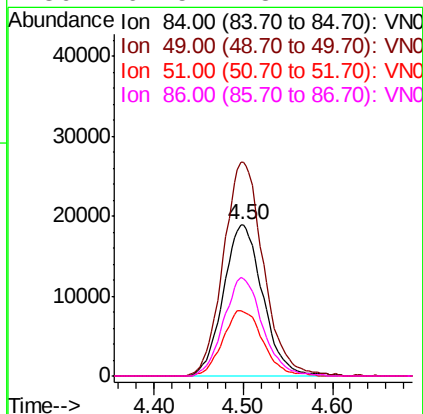
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

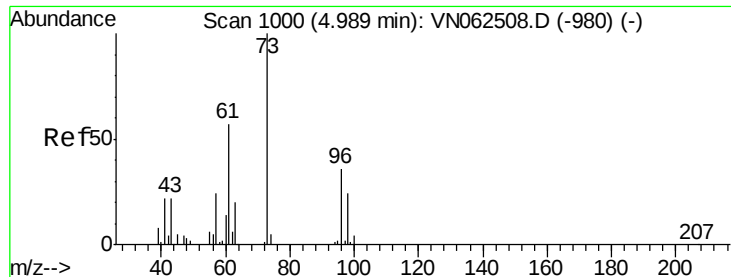
Tot Ion: 41 Resp: 93772
Ion Ratio Lower Upper
41 100
39 66.3 31.9 95.5
76 32.1 16.6 49.8



#18
Methylene Chloride
Concen: 19.550 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062518.D
Acq: 13 Jul 2020 16:13

Tgt Ion: 84 Resp: 58095
Ion Ratio Lower Upper
84 100
49 139.8 112.1 168.1
51 42.3 33.0 49.4
86 64.5 48.2 72.4





#19

trans-1,2-Dichloroethene

Concen: 19.429 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN062518.D

Acq: 13 Jul 2020 16:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

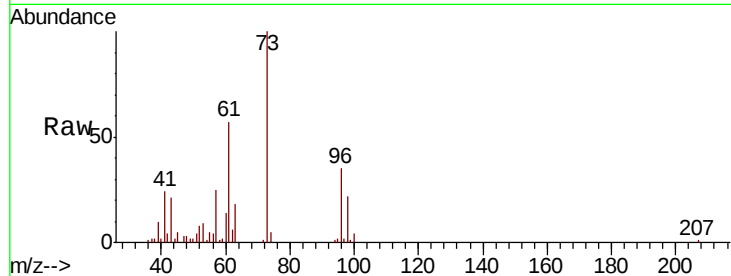
Tot Ion: 96 Resp: 51933

Ion Ratio Lower Upper

96 100

61 164.7 125.7 188.5

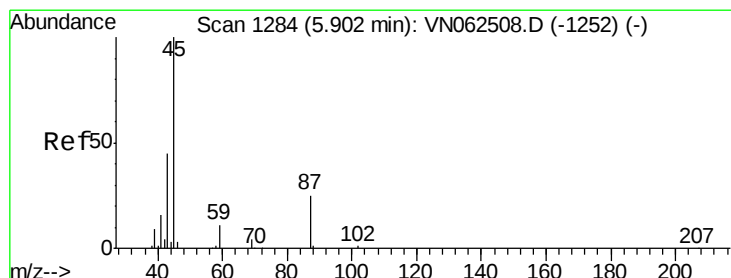
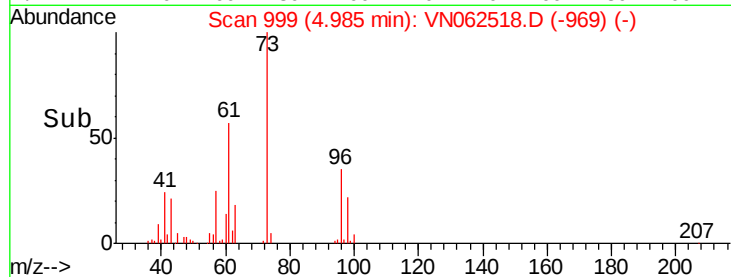
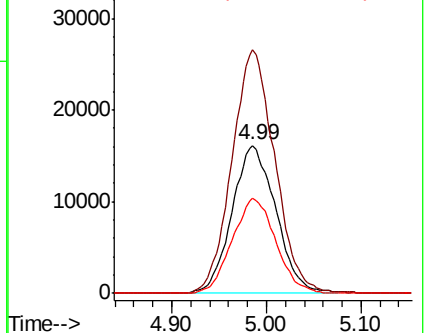
98 64.0 54.1 81.1



Abundance Ion 96.00 (95.70 to 96.70): VN062518.D (-969) (-)

Ion 61.00 (60.70 to 61.70): VN062518.D (-969) (-)

Ion 98.00 (97.70 to 98.70): VN062518.D (-969) (-)



#20

Diisopropyl ether

Concen: 19.837 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN062518.D

Acq: 13 Jul 2020 16:13

Tgt Ion: 45 Resp: 209445

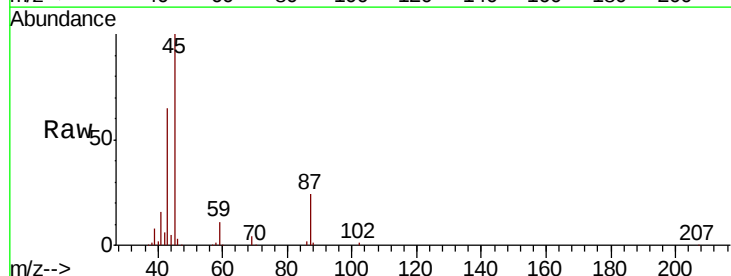
Ion Ratio Lower Upper

45 100

43 62.8 51.3 76.9

87 24.0 19.8 29.6

59 11.0 8.8 13.2

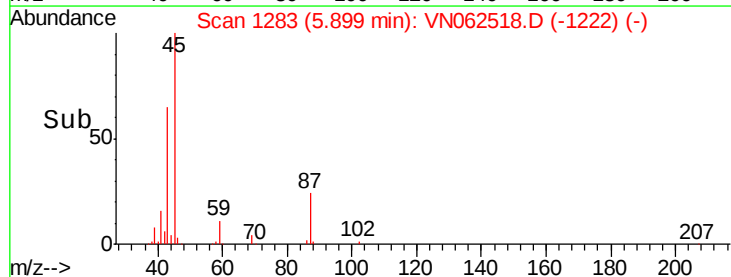
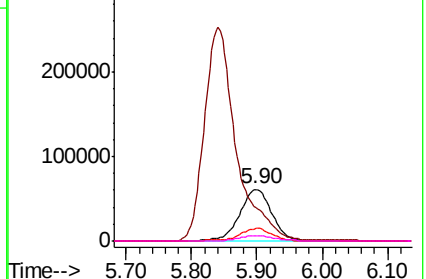


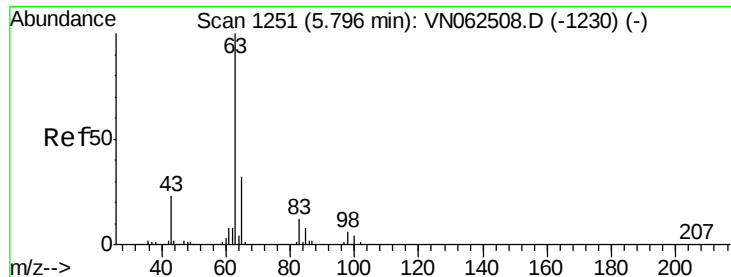
Abundance Ion 45.00 (44.70 to 45.70): VN062518.D (-1222) (-)

Ion 43.00 (42.70 to 43.70): VN062518.D (-1222) (-)

Ion 87.00 (86.70 to 87.70): VN062518.D (-1222) (-)

Ion 59.00 (58.70 to 59.70): VN062518.D (-1222) (-)





#21

1,1-Dichloroethane

Concen: 19.604 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062518.D

Acq: 13 Jul 2020 16:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

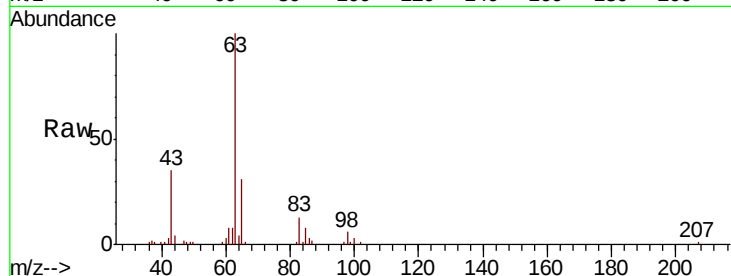
Tot Ion: 63 Resp: 109429

Ion Ratio Lower Upper

63 100

98 6.1 2.8 8.4

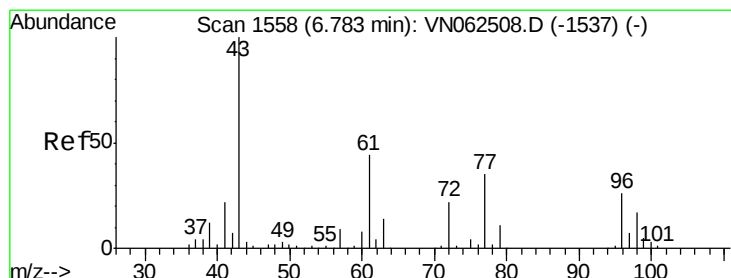
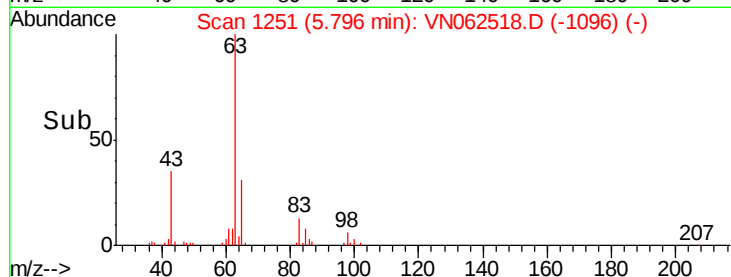
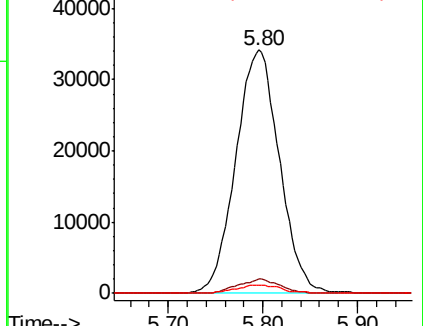
100 3.3 2.0 5.8



Abundance Ion 63.00 (62.70 to 63.70): VN062518.D (-1096) (-)

Ion 98.00 (97.70 to 98.70): VN062518.D (-1096) (-)

Ion 100.00 (99.70 to 100.70): VN062518.D (-1096) (-)



#22

cis-1,2-Dichloroethene

Concen: 19.739 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.01 min

Lab File: VN062518.D

Acq: 13 Jul 2020 16:13

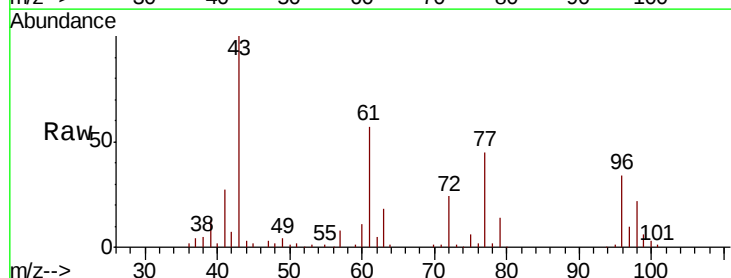
Tgt Ion: 96 Resp: 59501

Ion Ratio Lower Upper

96 100

61 167.0 134.9 202.3

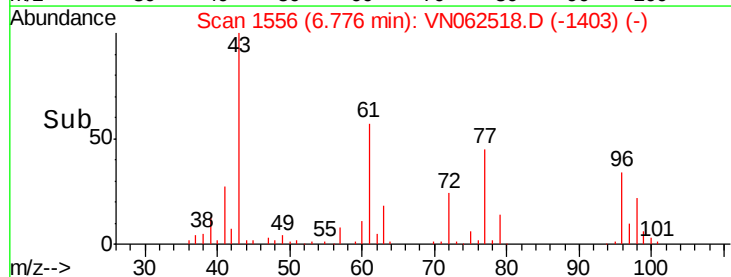
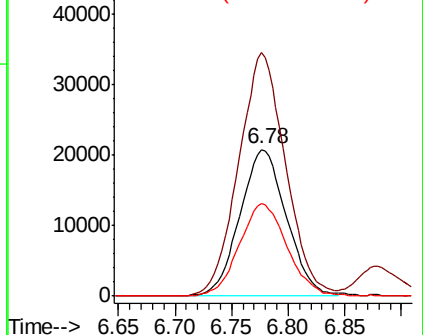
98 64.7 51.5 77.3

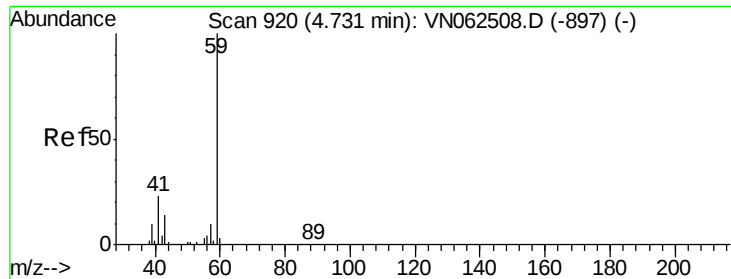


Abundance Ion 96.00 (95.70 to 96.70): VN062518.D (-1403) (-)

Ion 61.00 (60.70 to 61.70): VN062518.D (-1403) (-)

Ion 98.00 (97.70 to 98.70): VN062518.D (-1403) (-)



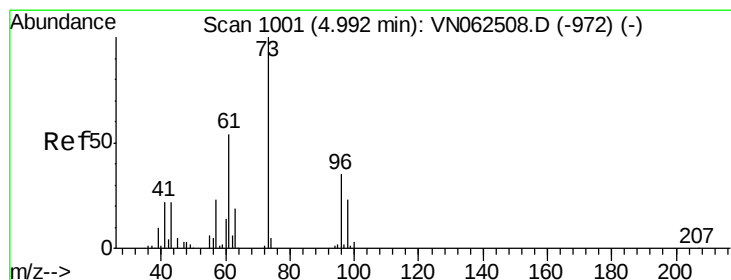
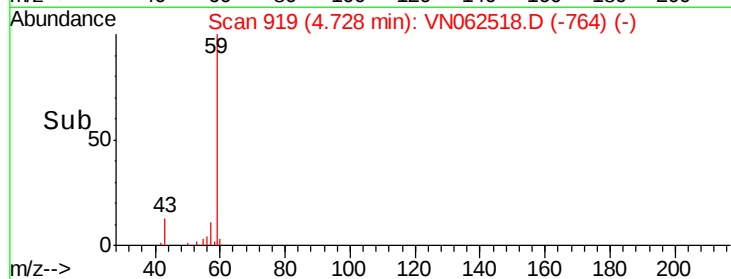
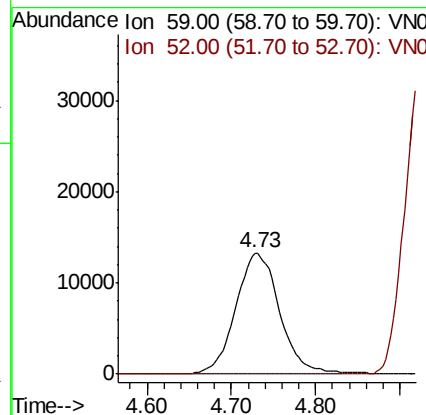
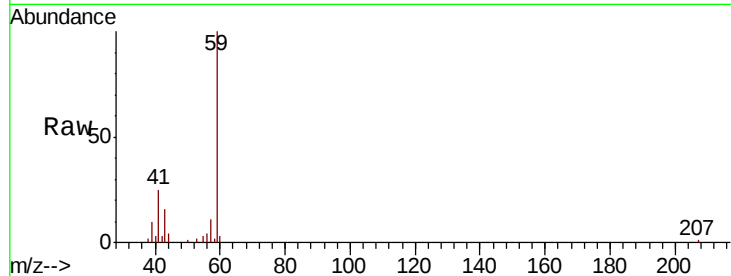


#23

tert-Butyl Alcohol
 Concen: 95.153 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VN062518.D
 Acq: 13 Jul 2020 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

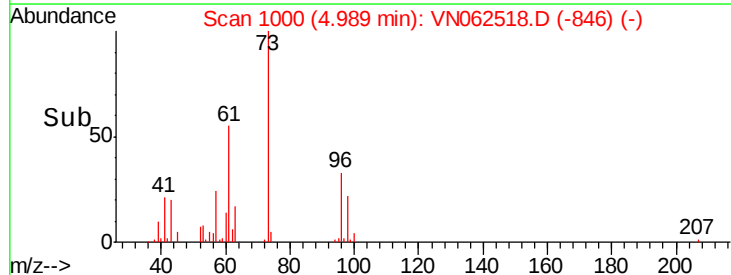
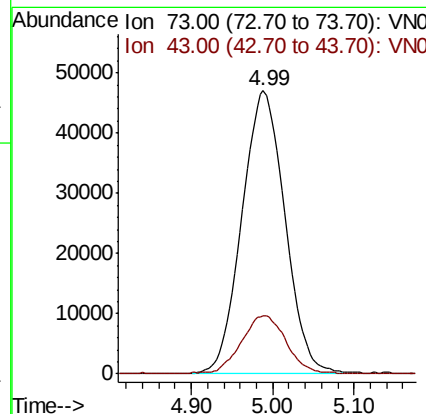
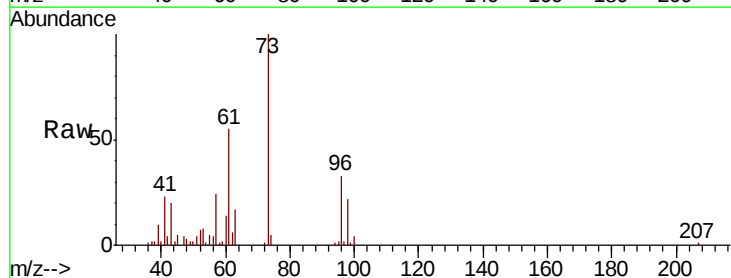
Tot Ion: 59 Resp: 47968
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

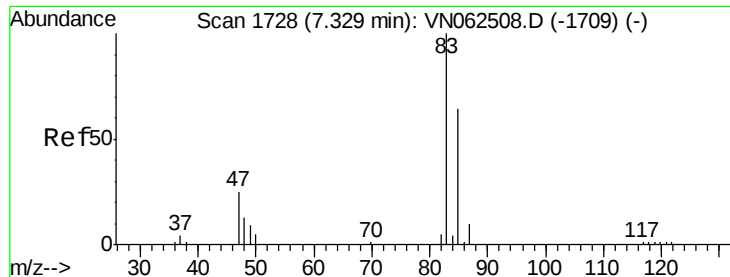


#24

Methyl tert-Butyl Ether
 Concen: 19.368 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: VN062518.D
 Acq: 13 Jul 2020 16:13

Tgt Ion: 73 Resp: 172444
 Ion Ratio Lower Upper
 73 100
 43 21.4 16.9 25.3

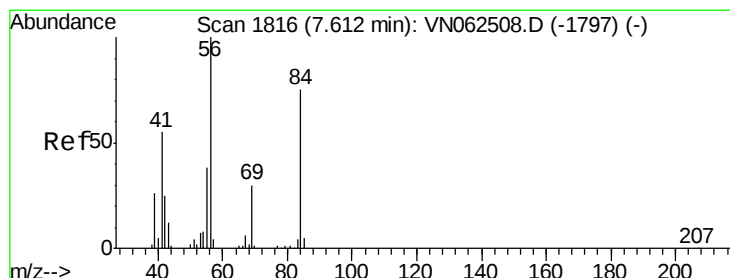
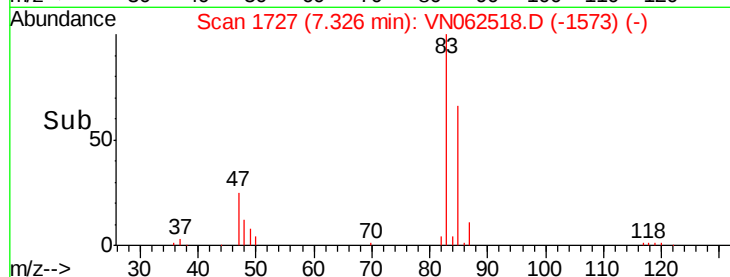
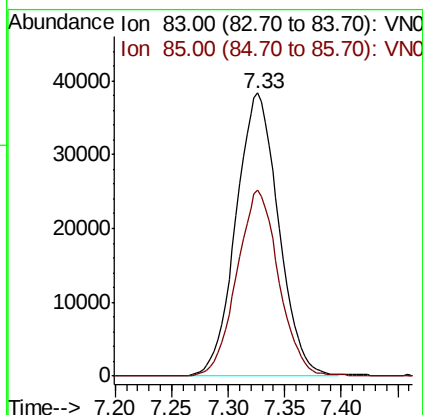
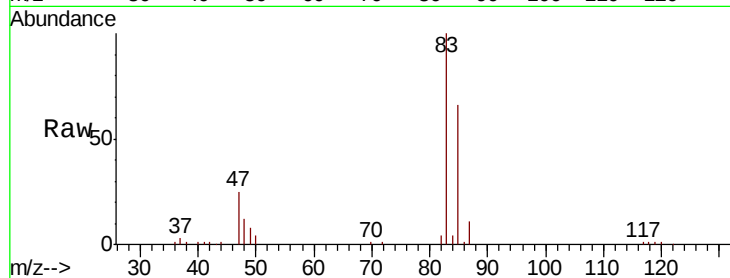




#25
Chloroform
Concen: 19.588 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062518.D
Acq: 13 Jul 2020 16:13

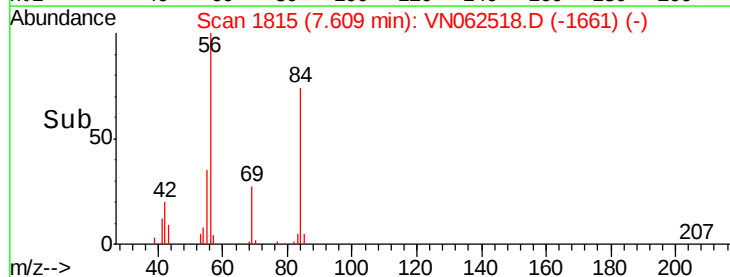
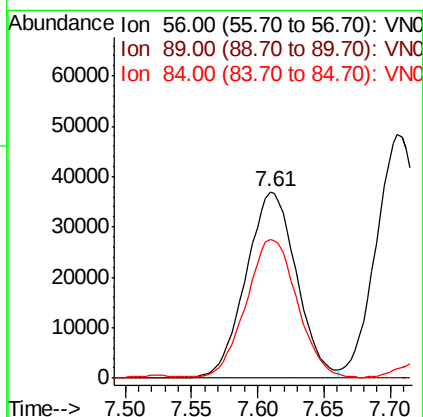
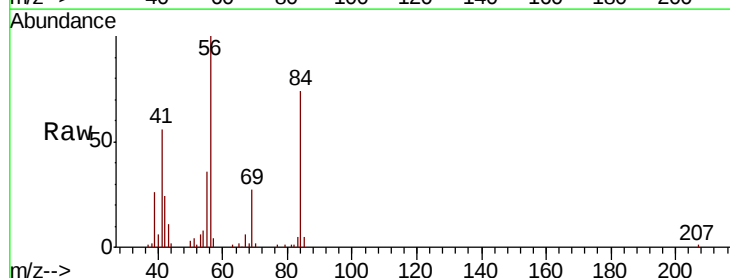
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

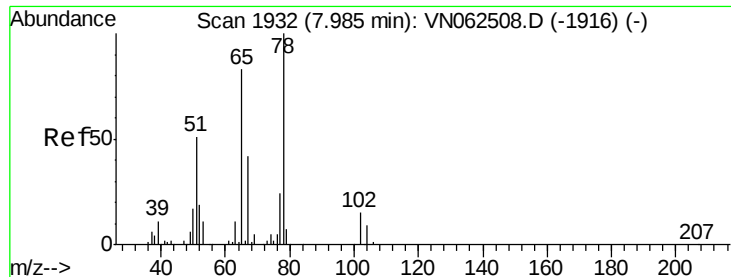
Tot Ion: 83 Resp: 100274
Ion Ratio Lower Upper
83 100
85 65.6 51.0 76.4



#26
Cyclohexane
Concen: 19.864 ug/l
RT: 7.61 min Scan# 1815
Delta R.T. -0.00 min
Lab File: VN062518.D
Acq: 13 Jul 2020 16:13

Tgt Ion: 56 Resp: 97732
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 74.9 61.1 91.7

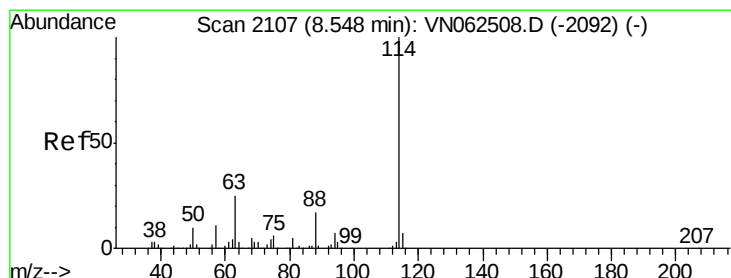
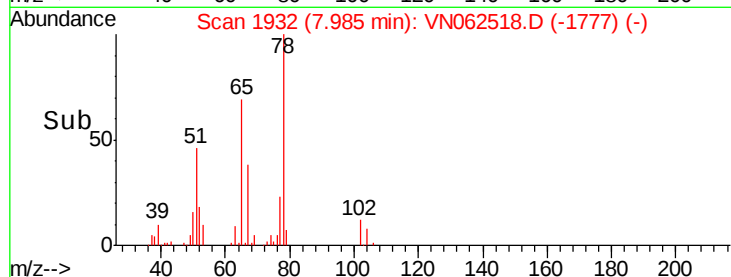
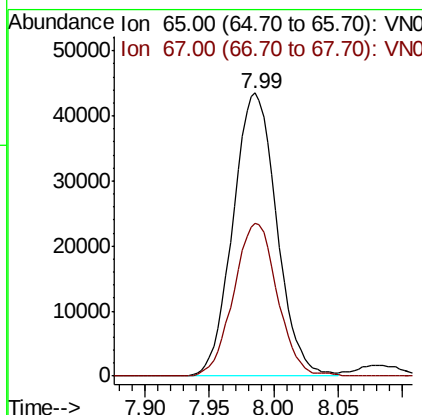
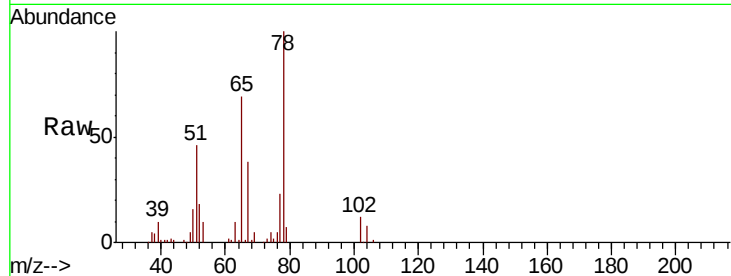




#27
 1,2-Dichloroethane-d4
 Concen: 28.553 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062518.D
 Acq: 13 Jul 2020 16:13

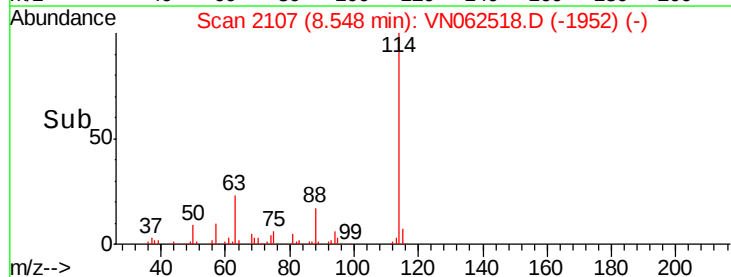
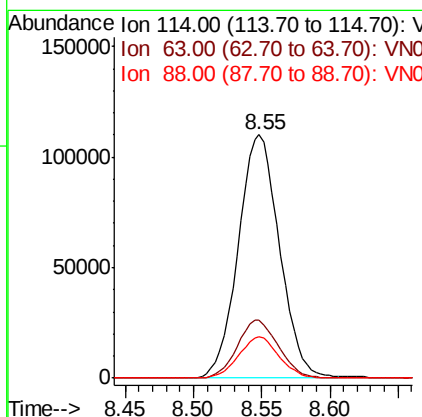
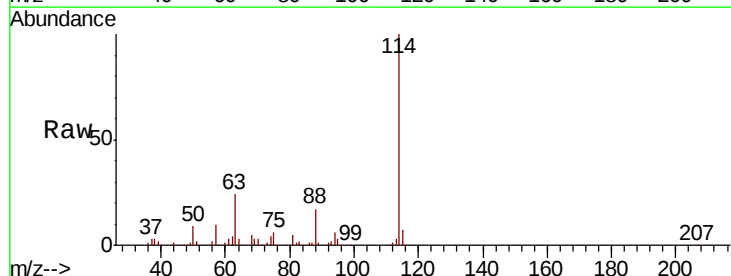
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

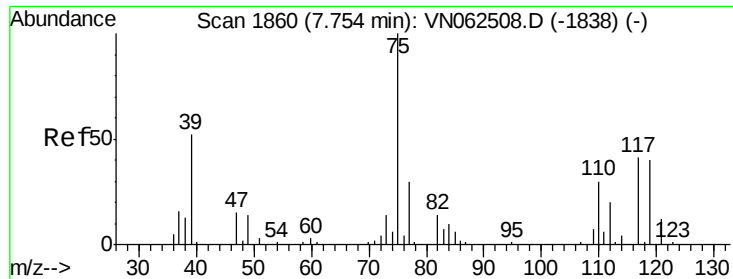
Tot Ion: 65 Resp: 102869
 Ion Ratio Lower Upper
 65 100
 67 53.5 41.7 62.5



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062518.D
 Acq: 13 Jul 2020 16:13

Tgt Ion: 114 Resp: 230544
 Ion Ratio Lower Upper
 114 100
 63 23.6 19.4 29.0
 88 16.6 13.5 20.3

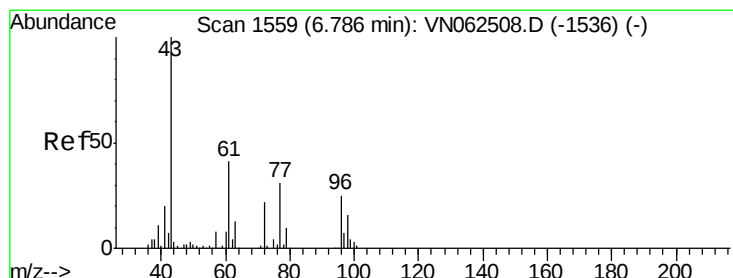
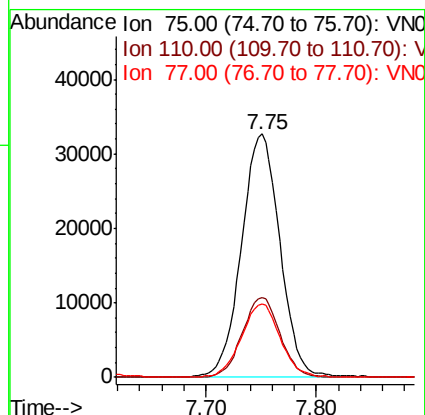
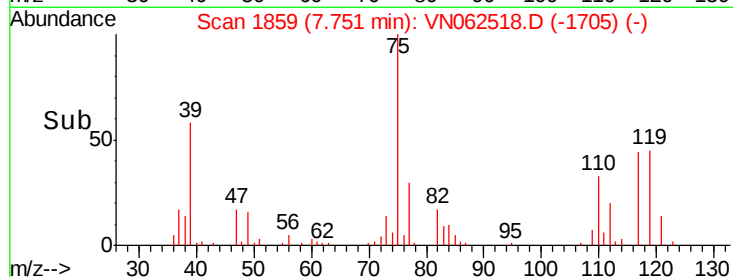
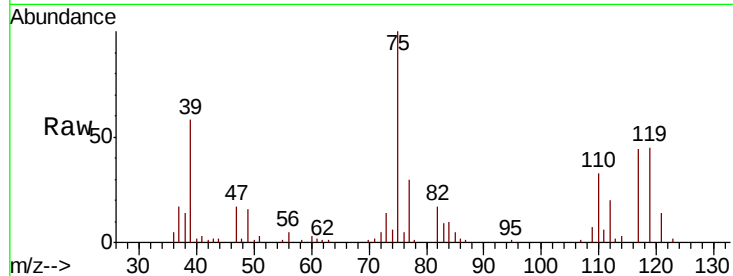




#29
 1,1-Dichloropropene
 Concen: 20.229 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062518.D
 Acq: 13 Jul 2020 16:13

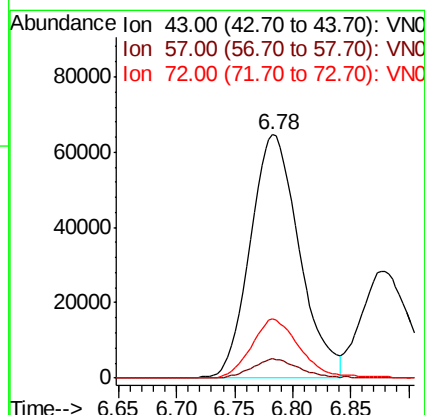
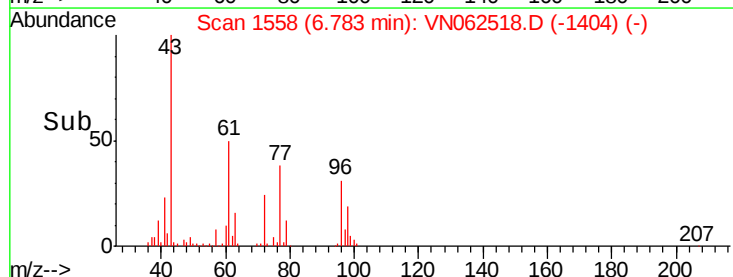
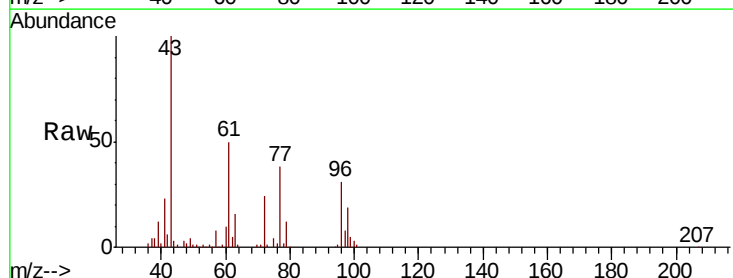
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

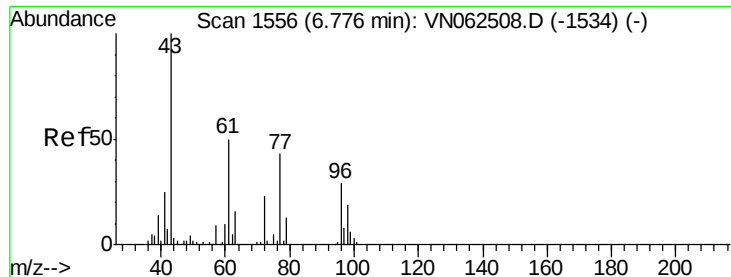
Tot Ion: 75 Resp: 79106
 Ion Ratio Lower Upper
 75 100
 110 32.0 0.0 62.4
 77 30.5 0.0 62.8



#30
 2-Butanone
 Concen: 91.047 ug/l
 RT: 6.78 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: VN062518.D
 Acq: 13 Jul 2020 16:13

Tgt Ion: 43 Resp: 188826
 Ion Ratio Lower Upper
 43 100
 57 7.7 6.6 9.8
 72 24.0 18.5 27.7





#31

2,2-Dichloropropane

Concen: 19.643 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN062518.D

Acq: 13 Jul 2020 16:13

Instrument :

MSVOA_N

ClientSampleId :

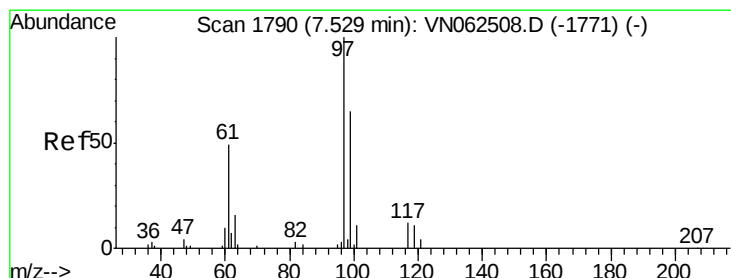
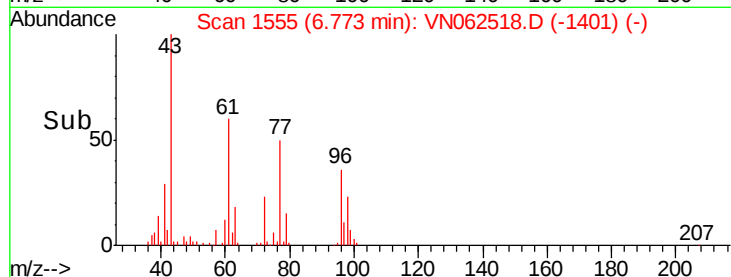
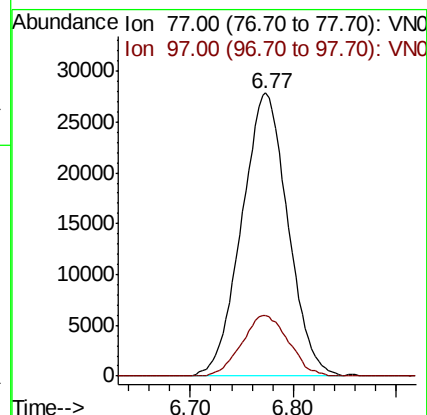
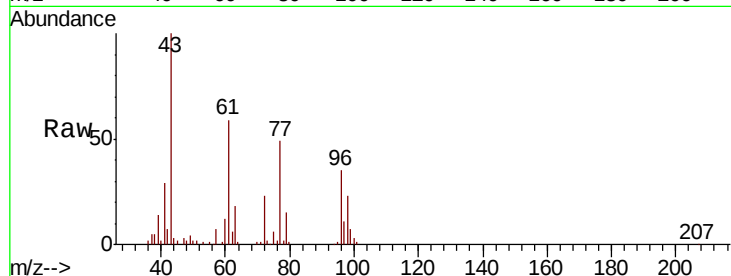
VSTDCCC020EC

Tot Ion: 77 Resp: 86615

Ion Ratio Lower Upper

77 100

97 21.8 8.6 12.8#



#32

1,1,1-Trichloroethane

Concen: 20.169 ug/l

RT: 7.52 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VN062518.D

Acq: 13 Jul 2020 16:13

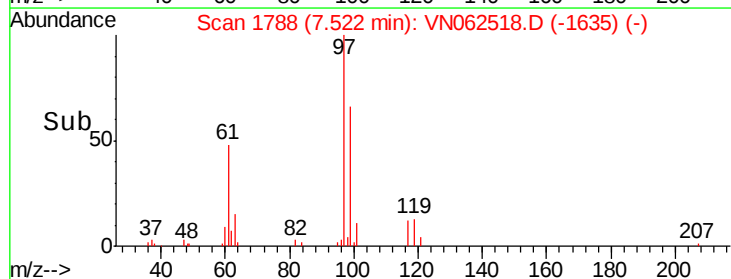
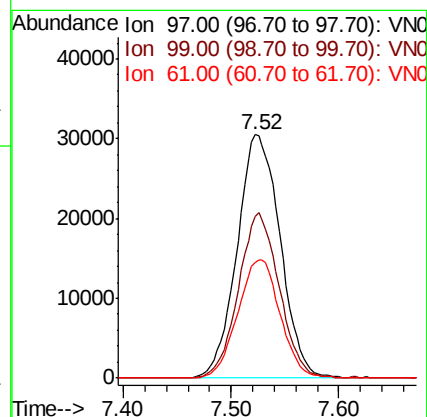
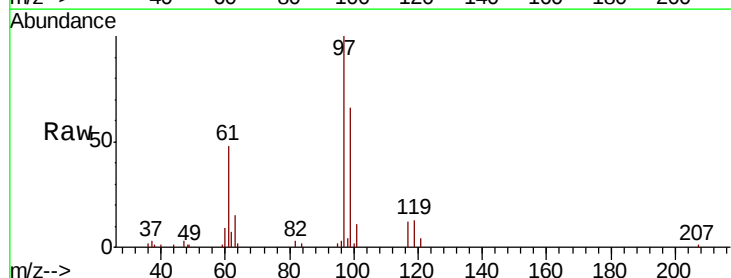
Tgt Ion: 97 Resp: 84770

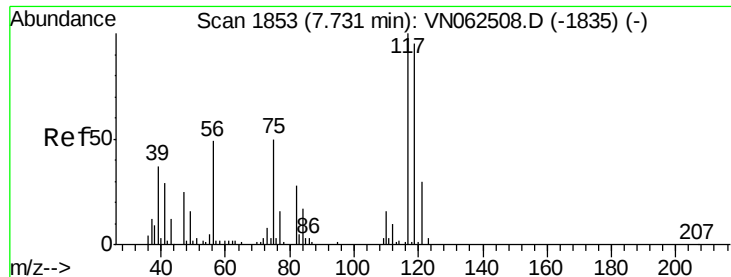
Ion Ratio Lower Upper

97 100

99 64.0 51.8 77.8

61 47.6 39.4 59.0

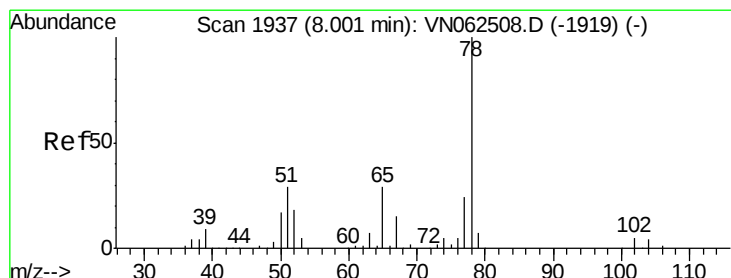
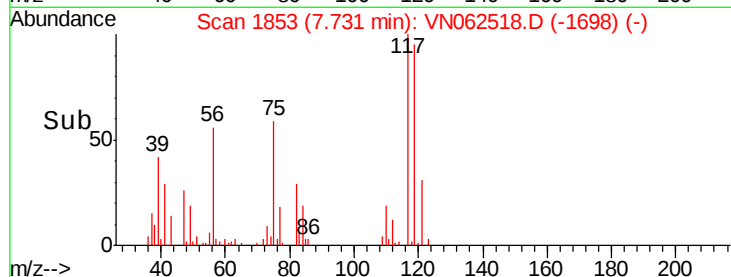
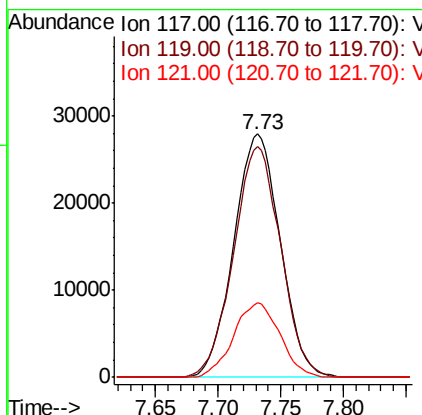
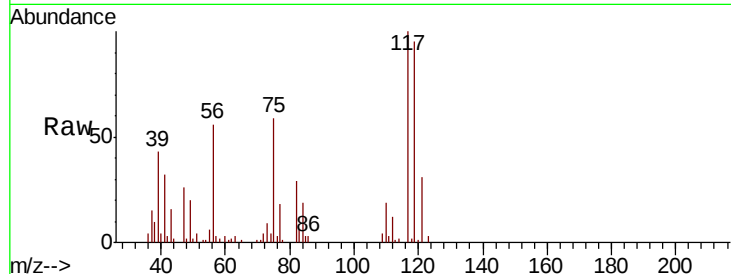




#33
Carbon Tetrachloride
Concen: 19.763 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062518.D
Acq: 13 Jul 2020 16:13

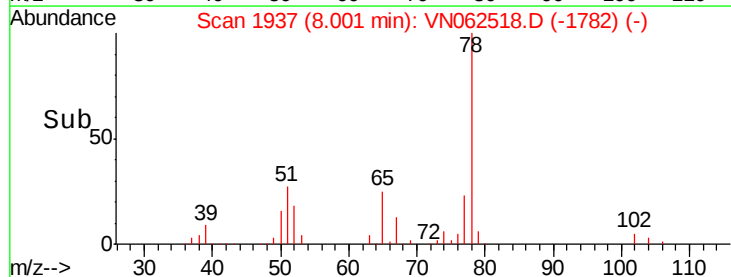
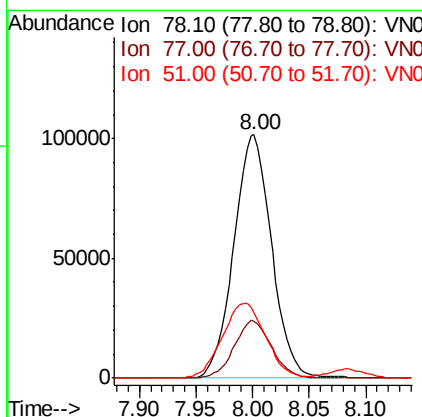
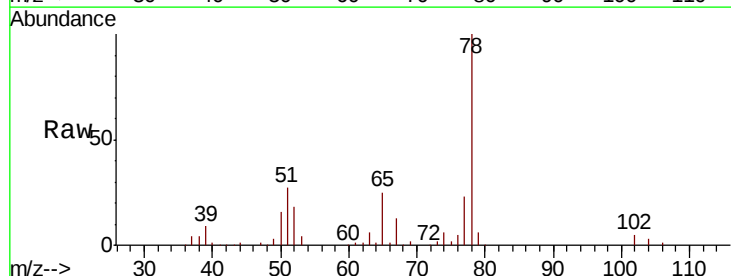
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

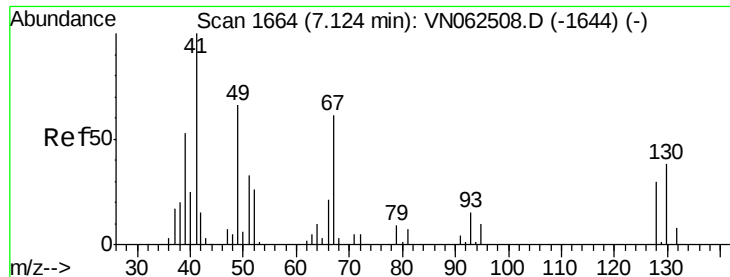
Tot Ion:117 Resp: 72007
Ion Ratio Lower Upper
117 100
119 94.6 76.2 114.4
121 30.7 23.8 35.6



#34
Benzene
Concen: 20.324 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062518.D
Acq: 13 Jul 2020 16:13

Tgt Ion: 78 Resp: 236125
Ion Ratio Lower Upper
78 100
77 23.3 18.9 28.3
51 26.2 23.1 34.7

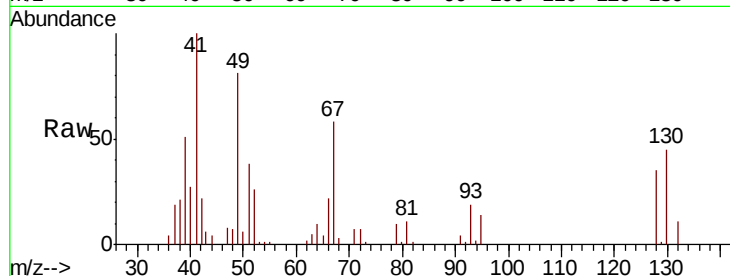




#35
Methacrylonitrile
Concen: 23.260 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN062518.D
Acq: 13 Jul 2020 16:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	41	Resp:	42375
Ion	Ratio	Lower	Upper
41	100		
39	50.6	26.5	79.5
67	58.1	30.7	92.1
52	26.3	13.0	39.0



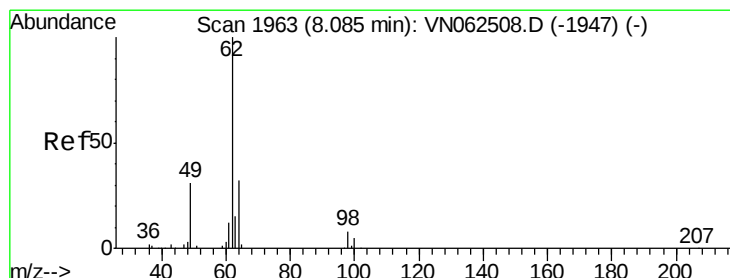
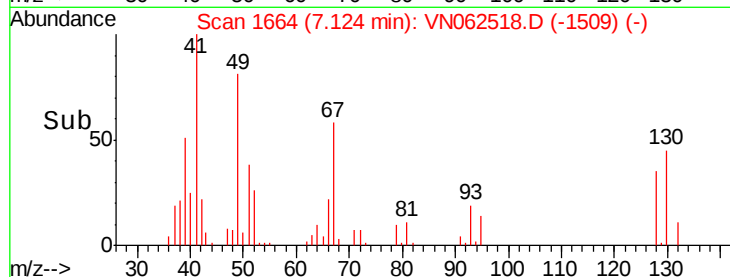
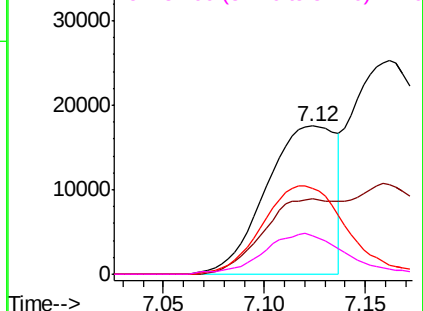
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

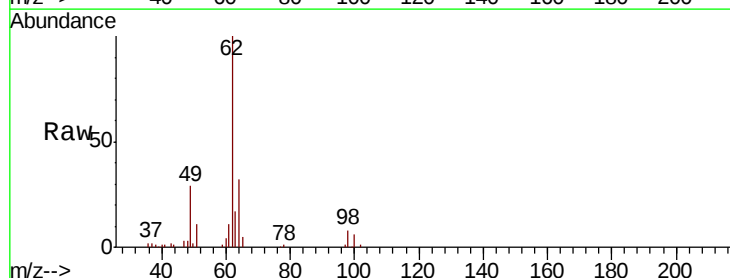
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#36
1,2-Dichloroethane
Concen: 20.238 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN062518.D
Acq: 13 Jul 2020 16:13

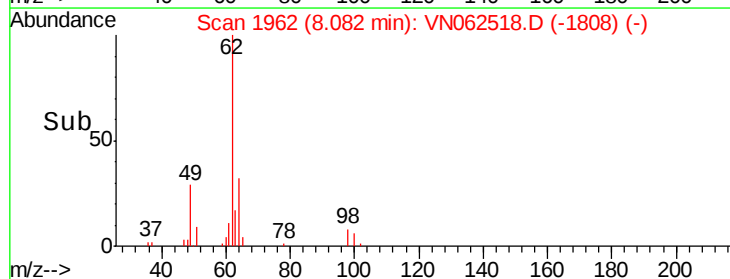
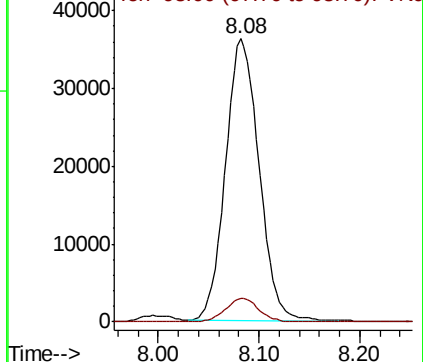
Tgt Ion:	62	Resp:	84510
Ion	Ratio	Lower	Upper
62	100		
98	8.1	6.6	9.8

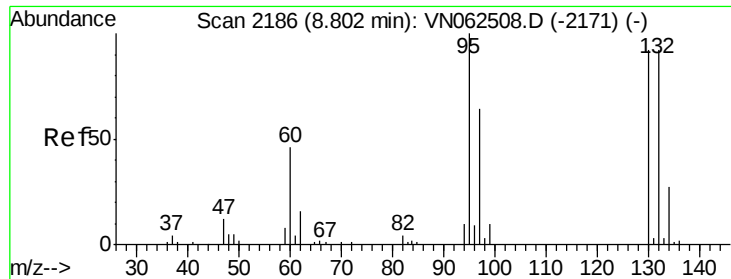


Abundance

Ion 62.00 (61.70 to 62.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

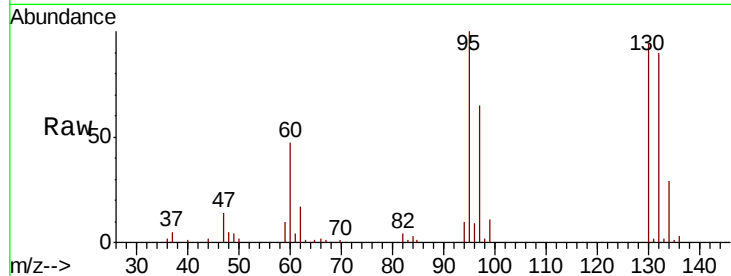




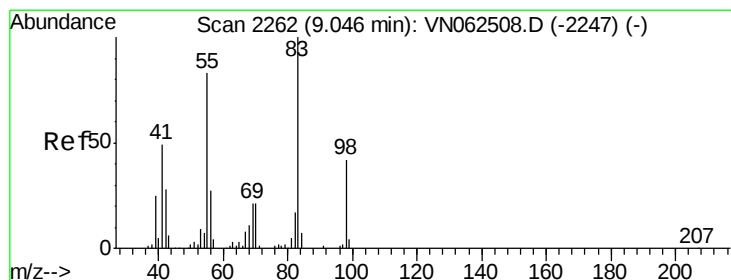
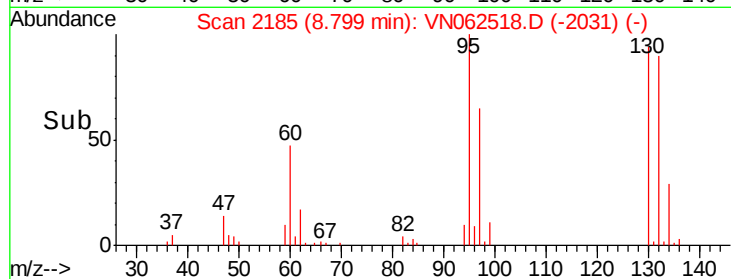
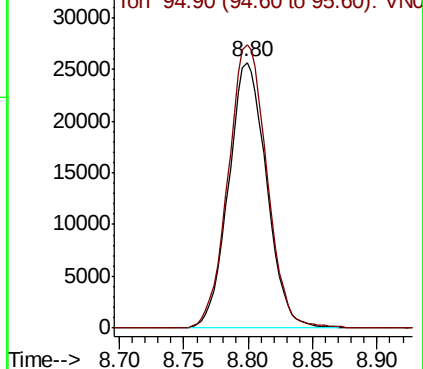
#37
 Trichloroethene
 Concen: 20.141 ug/l
 RT: 8.80 min Scan# 2185
 Delta R.T. -0.00 min
 Lab File: VN062518.D
 Acq: 13 Jul 2020 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 52560
 Ion Ratio Lower Upper
 130 100
 95 106.5 86.5 129.7

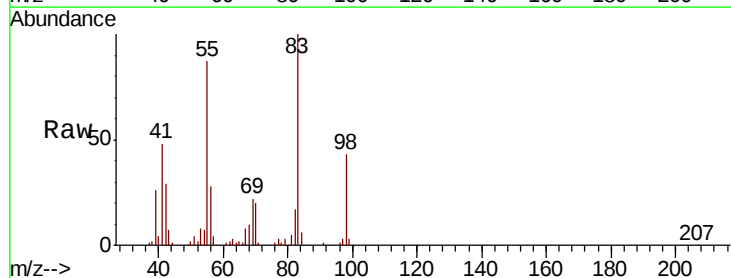


Abundance Ion 129.90 (129.60 to 130.60): VN062508.D (-2171) (-)
 Ion 94.90 (94.60 to 95.60): VN062508.D (-2171) (-)

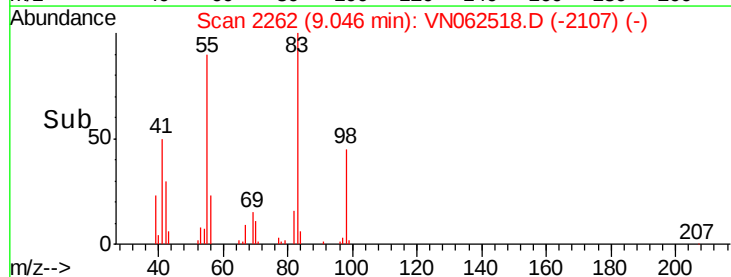
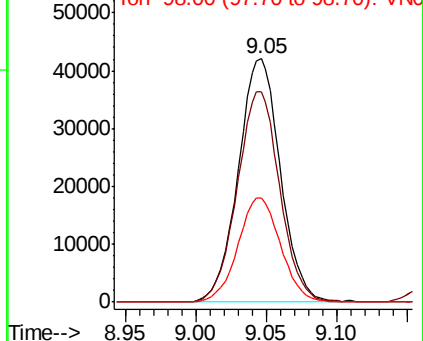


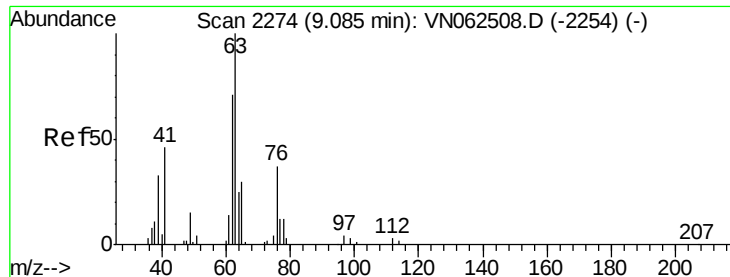
#38
 Methylcyclohexane
 Concen: 20.004 ug/l
 RT: 9.05 min Scan# 2262
 Delta R.T. -0.00 min
 Lab File: VN062518.D
 Acq: 13 Jul 2020 16:13

Tgt Ion: 83 Resp: 87757
 Ion Ratio Lower Upper
 83 100
 55 87.5 42.8 128.3
 98 43.3 21.9 65.7



Abundance Ion 83.00 (82.70 to 83.70): VN062508.D (-2247) (-)
 Ion 55.00 (54.70 to 55.70): VN062508.D (-2247) (-)
 Ion 98.00 (97.70 to 98.70): VN062508.D (-2247) (-)





#39

1,2-Dichloropropane

Concen: 20.122 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN062518.D

Acq: 13 Jul 2020 16:13

Instrument :

MSVOA_N

ClientSampleId :

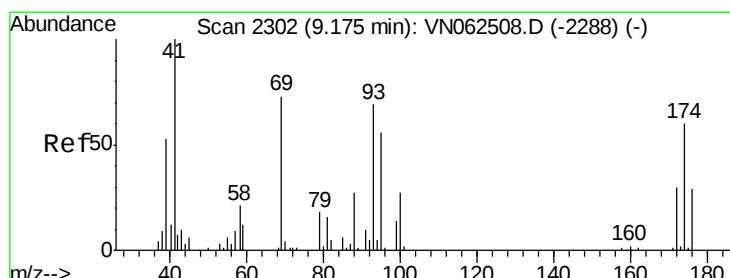
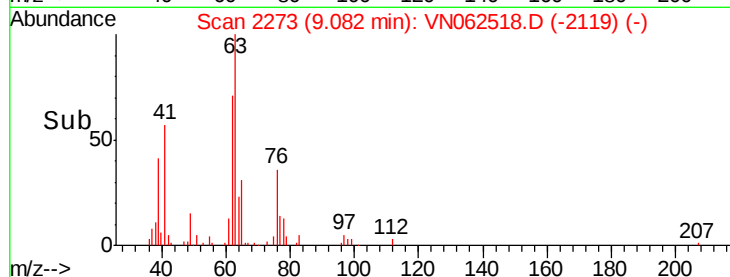
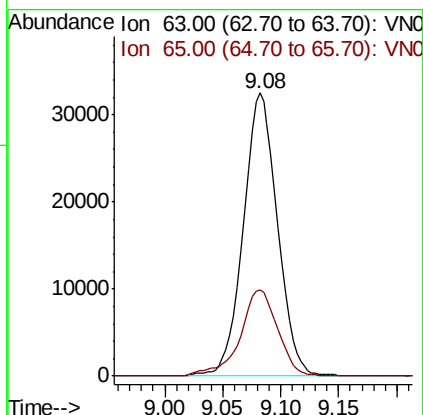
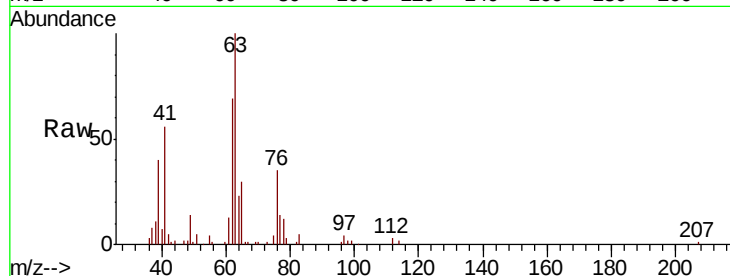
VSTDCCC020EC

Tot Ion: 63 Resp: 66602

Ion Ratio Lower Upper

63 100

65 30.4 24.2 36.4



#40

Dibromomethane

Concen: 19.903 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.00 min

Lab File: VN062518.D

Acq: 13 Jul 2020 16:13

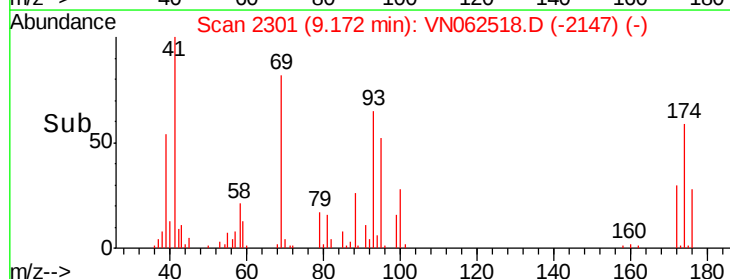
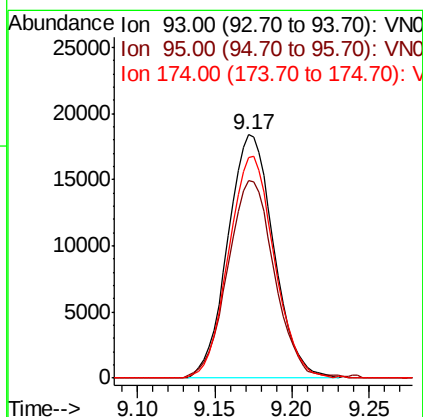
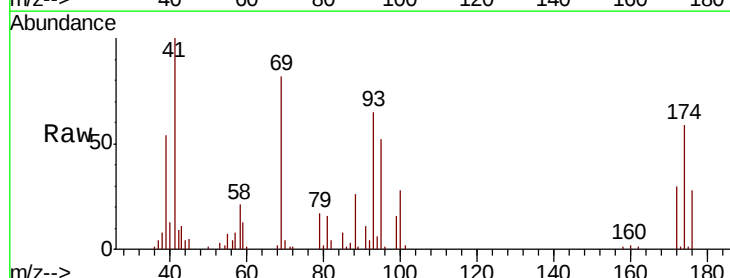
Tgt Ion: 93 Resp: 37965

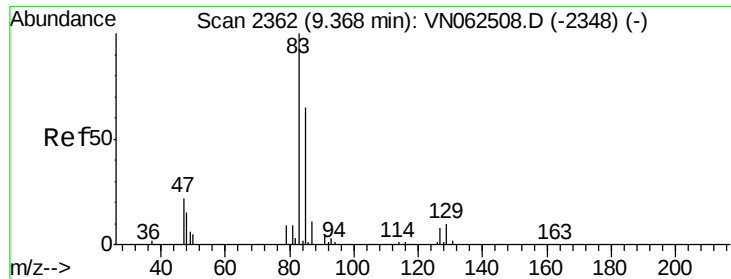
Ion Ratio Lower Upper

93 100

95 82.3 0.0 161.2

174 90.8 0.0 178.0

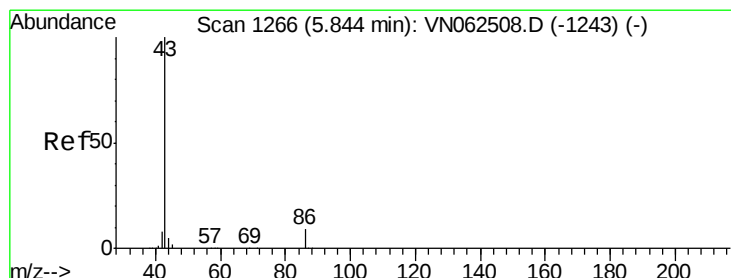
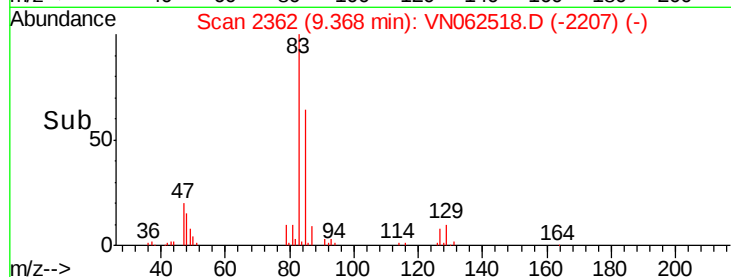
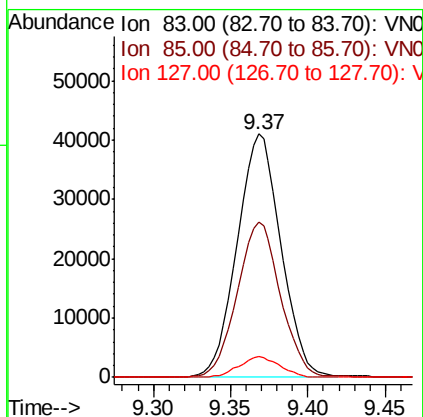
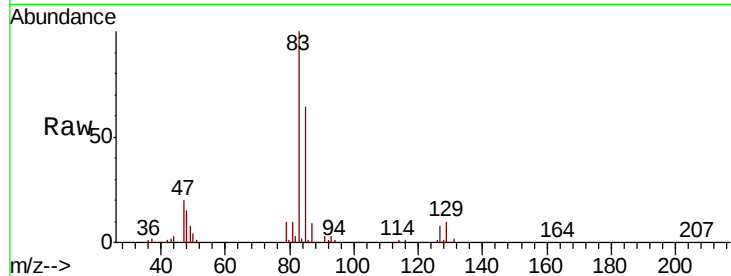




#41
 Bromodichloromethane
 Concen: 19.955 ug/l
 RT: 9.37 min Scan# 2362
 Delta R.T. -0.00 min
 Lab File: VN062518.D
 Acq: 13 Jul 2020 16:13

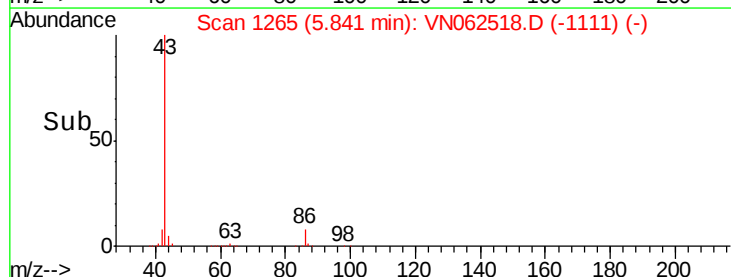
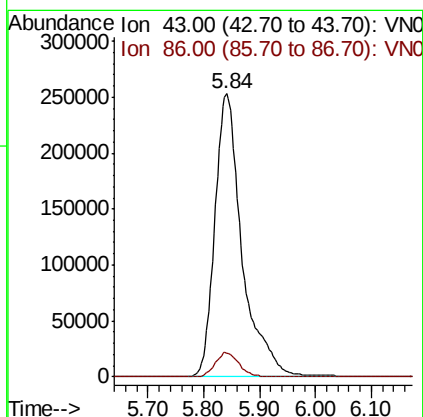
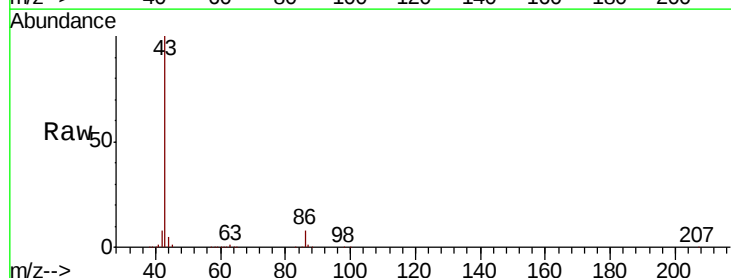
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

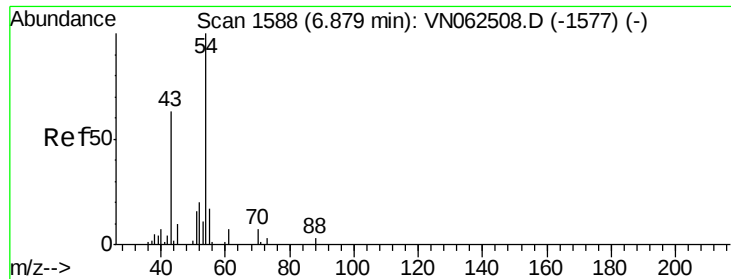
Tot Ion: 83 Resp: 80734
 Ion Ratio Lower Upper
 83 100
 85 63.8 51.6 77.4
 127 8.4 6.3 9.5



#42
 Vinyl Acetate
 Concen: 100.030 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN062518.D
 Acq: 13 Jul 2020 16:13

Tgt Ion: 43 Resp: 862073
 Ion Ratio Lower Upper
 43 100
 86 7.5 6.1 9.1

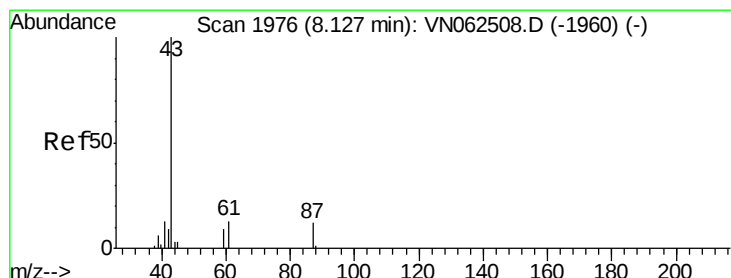
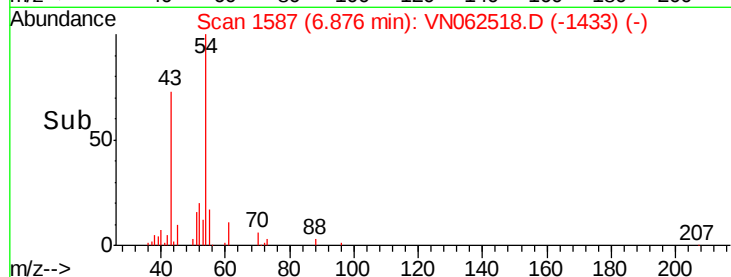
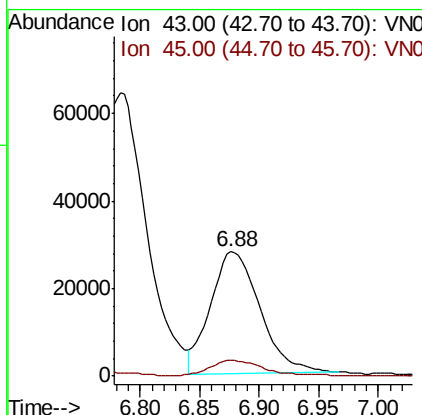
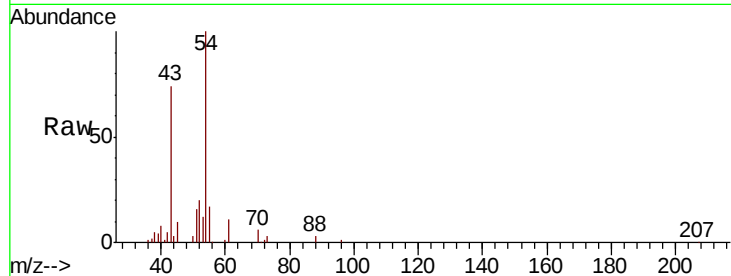




#43
Ethyl Acetate
Concen: 19.283 ug/l
RT: 6.88 min Scan# 1587
Delta R.T. -0.00 min
Lab File: VN062518.D
Acq: 13 Jul 2020 16:13

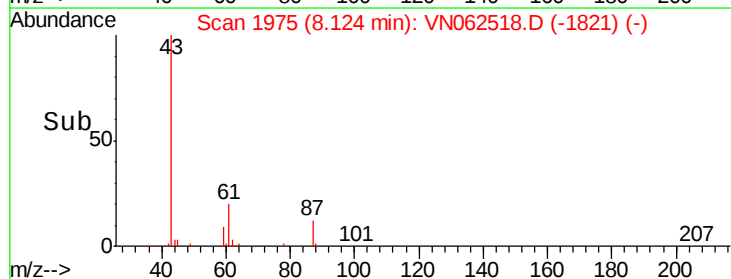
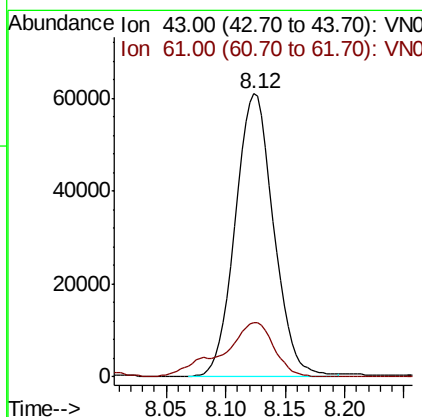
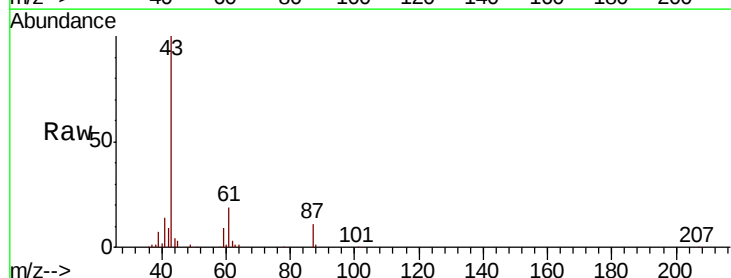
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

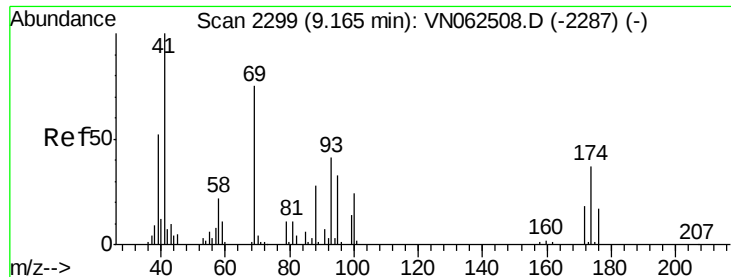
Tot Ion: 43 Resp: 80403
Ion Ratio Lower Upper
43 100
45 12.4 10.2 15.4



#44
Isopropyl Acetate
Concen: 19.567 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN062518.D
Acq: 13 Jul 2020 16:13

Tgt Ion: 43 Resp: 136883
Ion Ratio Lower Upper
43 100
61 19.3 14.7 22.1

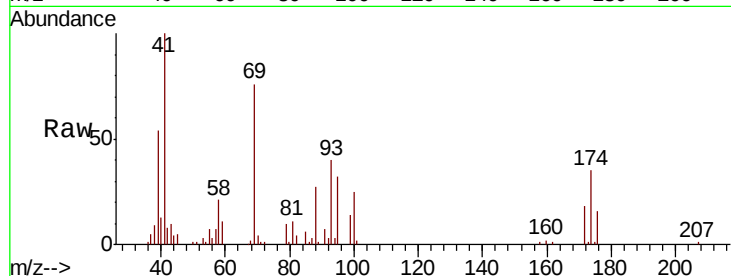




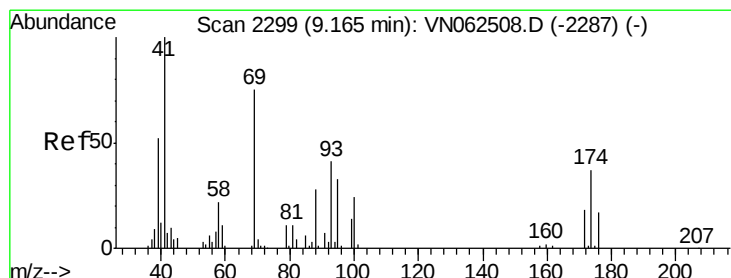
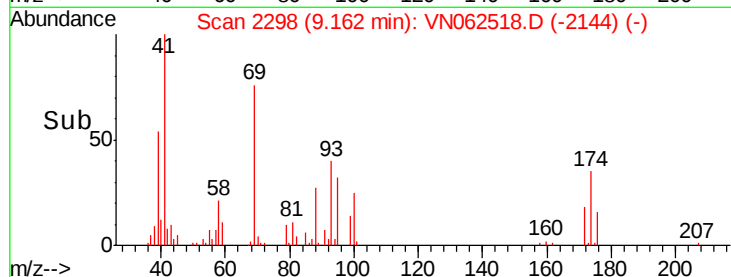
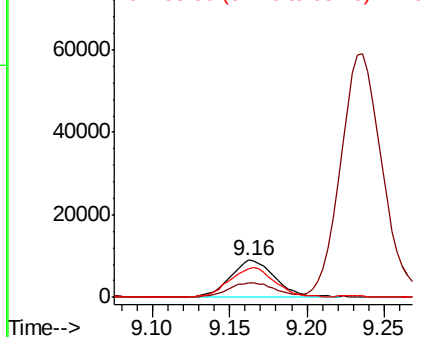
#45
 1,4-Dioxane
 Concen: 380.544 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.00 min
 Lab File: VN062518.D
 Acq: 13 Jul 2020 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 88 Resp: 18211
 Ion Ratio Lower Upper
 88 100
 43 41.2 29.2 43.8
 58 81.1 62.2 93.4

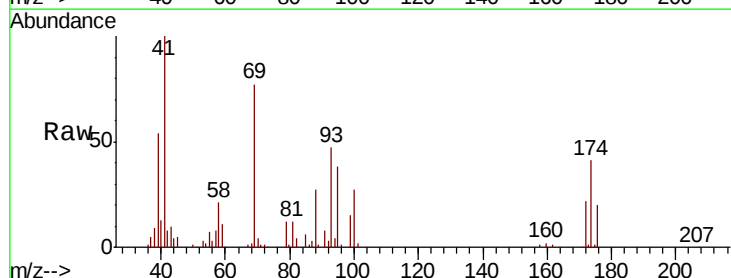


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

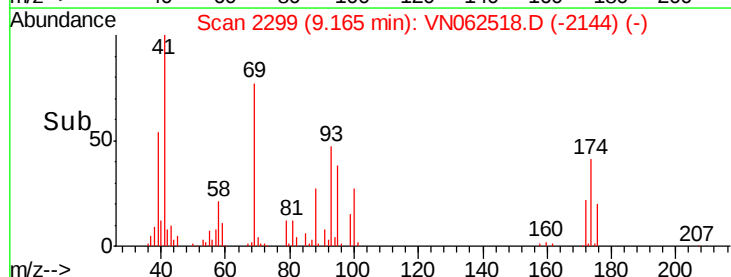
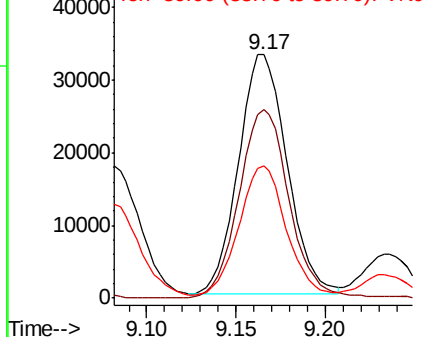


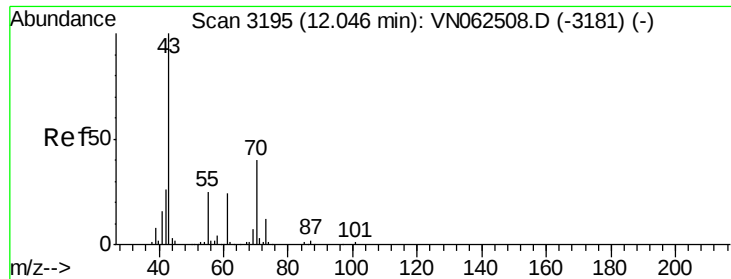
#46
 Methyl methacrylate
 Concen: 18.906 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN062518.D
 Acq: 13 Jul 2020 16:13

Tgt Ion: 41 Resp: 62747
 Ion Ratio Lower Upper
 41 100
 69 78.9 37.4 112.2
 39 54.1 25.9 77.6



Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0

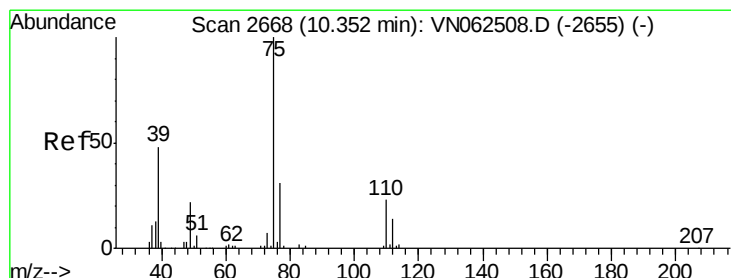
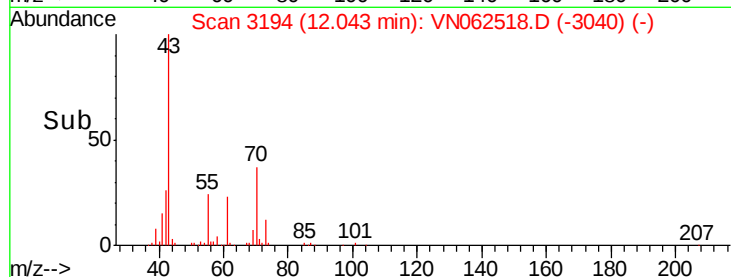
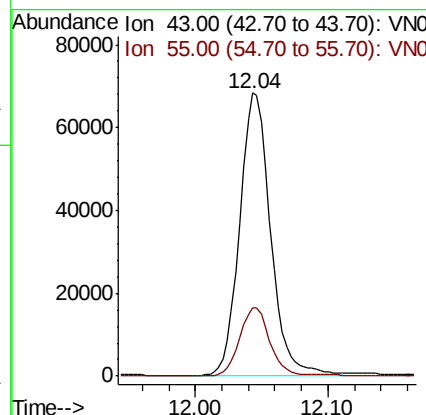
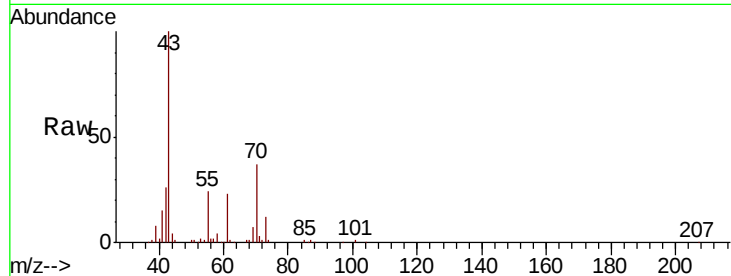




#47
n-amvl Acetate
Concen: 18.674 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VN062518.D
Acq: 13 Jul 2020 16:13

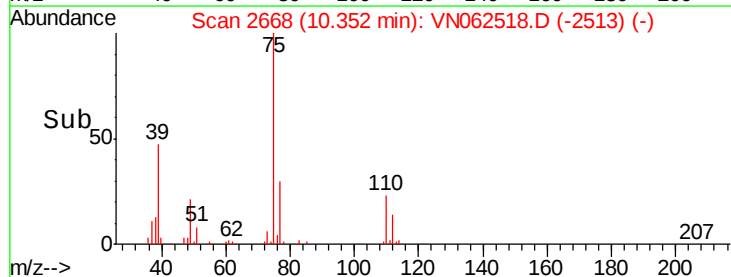
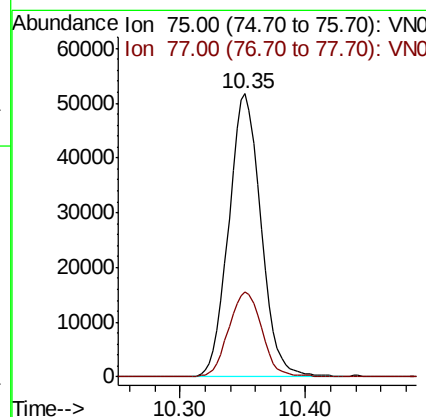
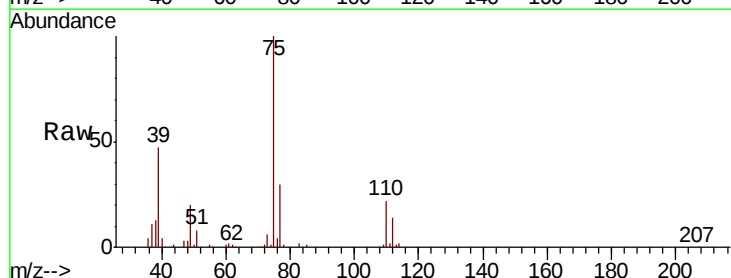
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

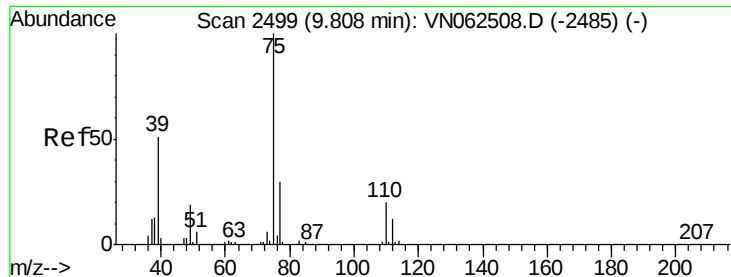
Tot Ion: 43 Resp: 110119
Ion Ratio Lower Upper
43 100
55 24.1 20.4 30.6



#48
t-1,3-Dichloropropene
Concen: 19.605 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN062518.D
Acq: 13 Jul 2020 16:13

Tgt Ion: 75 Resp: 92516
Ion Ratio Lower Upper
75 100
77 30.0 25.0 37.4





#49

cis-1,3-Dichloropropene

Concen: 19.910 ug/l

RT: 9.81 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VN062518.D

Acq: 13 Jul 2020 16:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

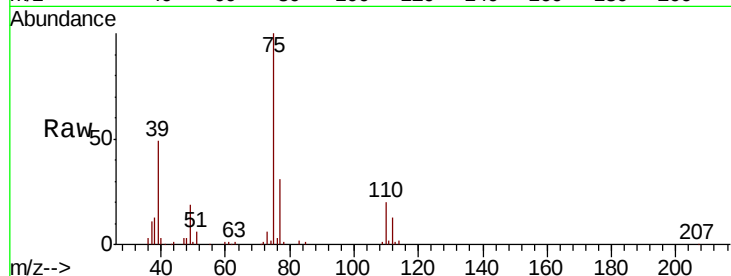
Tot Ion: 75 Resp: 101423

Ion Ratio Lower Upper

75 100

77 30.6 23.7 35.5

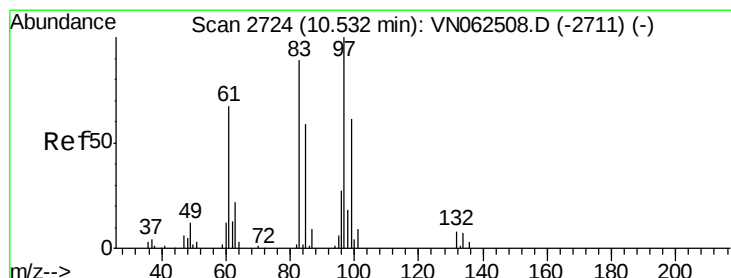
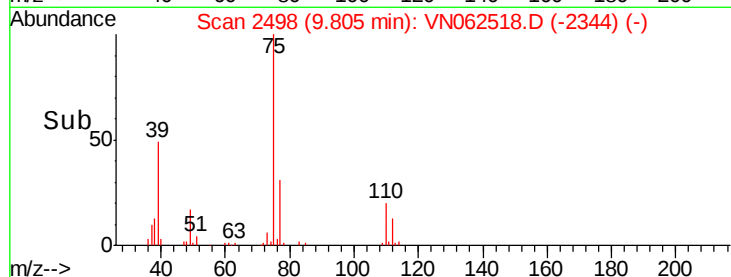
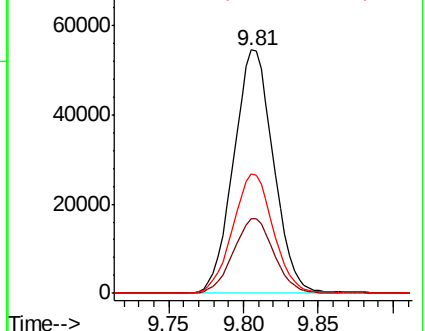
39 48.9 40.5 60.7



Abundance Ion 75.00 (74.70 to 75.70): VN062508.D (-2485) (-)

Ion 77.00 (76.70 to 77.70): VN062508.D (-2485) (-)

Ion 39.00 (38.70 to 39.70): VN062508.D (-2485) (-)



#50

1,1,2-Trichloroethane

Concen: 20.163 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VN062518.D

Acq: 13 Jul 2020 16:13

Tgt Ion: 97 Resp: 53911

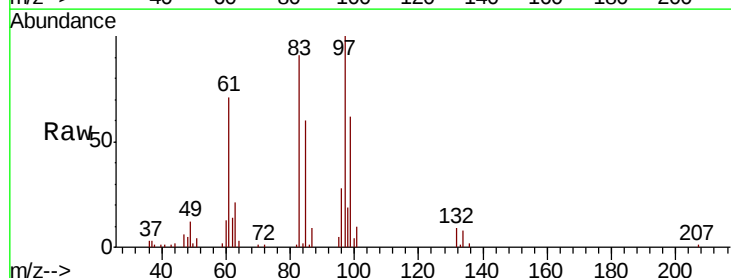
Ion Ratio Lower Upper

97 100

83 90.3 71.3 106.9

85 59.6 47.2 70.8

99 62.4 48.4 72.6

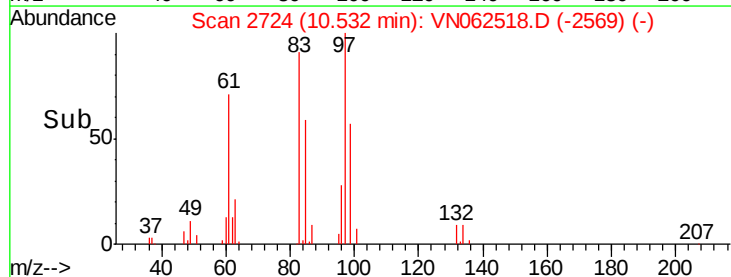
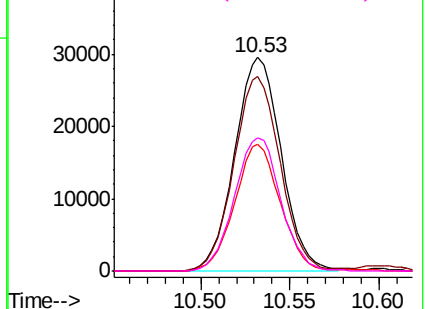


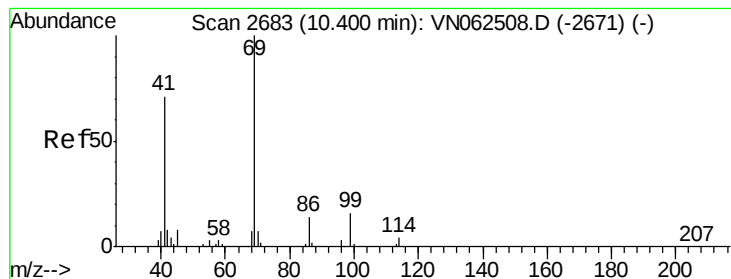
Abundance Ion 97.00 (96.70 to 97.70): VN062508.D (-2711) (-)

Ion 82.95 (82.65 to 83.65): VN062508.D (-2711) (-)

Ion 84.95 (84.65 to 85.65): VN062508.D (-2711) (-)

Ion 98.95 (98.65 to 99.65): VN062508.D (-2711) (-)





#51

Ethyl methacrylate

Concen: 19.439 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN062518.D

Acq: 13 Jul 2020 16:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

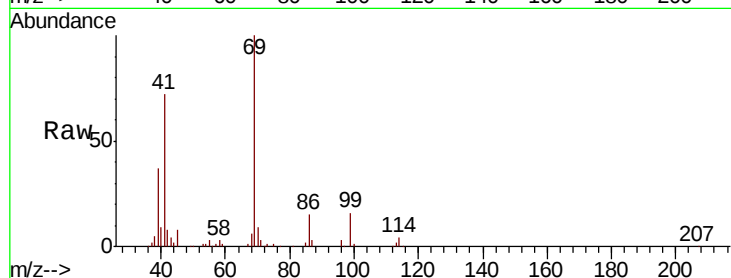
Tot Ion: 69 Resp: 87509

Ion Ratio Lower Upper

69 100

41 71.6 35.6 106.8

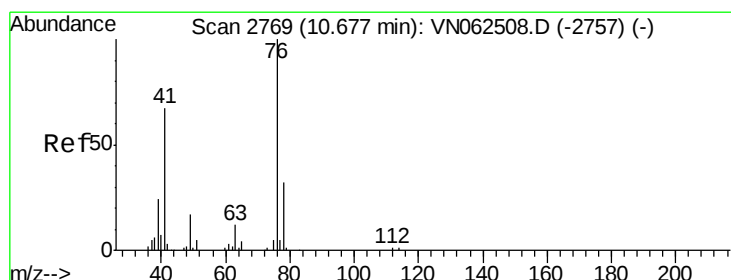
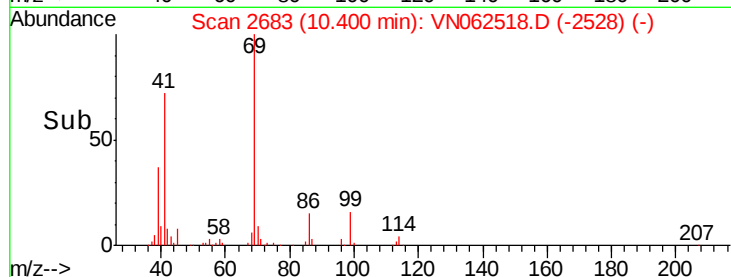
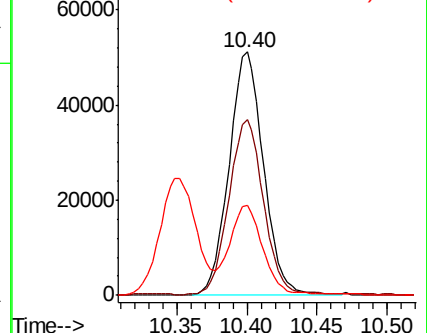
39 36.3 17.2 51.5



Abundance Ion 69.00 (68.70 to 69.70): VN062518.D (-2671) (-)

Ion 41.00 (40.70 to 41.70): VN062518.D (-2671) (-)

Ion 39.00 (38.70 to 39.70): VN062518.D (-2671) (-)



#52

1,3-Dichloropropane

Concen: 19.743 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN062518.D

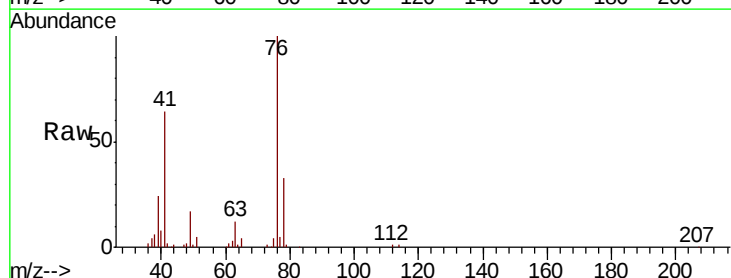
Acq: 13 Jul 2020 16:13

Tgt Ion: 76 Resp: 96884

Ion Ratio Lower Upper

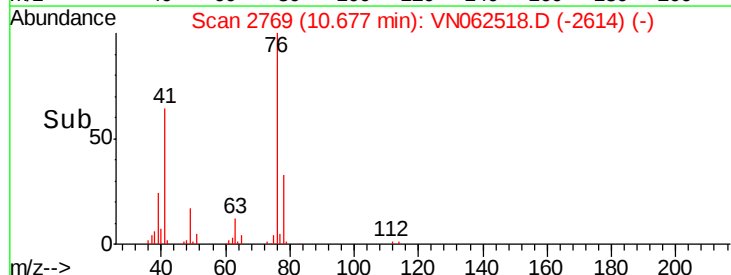
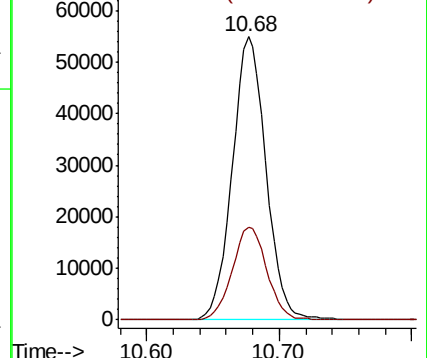
76 100

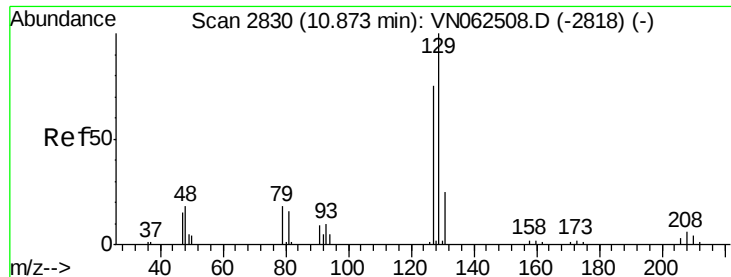
78 33.6 0.0 63.6



Abundance Ion 76.00 (75.70 to 76.70): VN062518.D (-2614) (-)

Ion 78.00 (77.70 to 78.70): VN062518.D (-2614) (-)

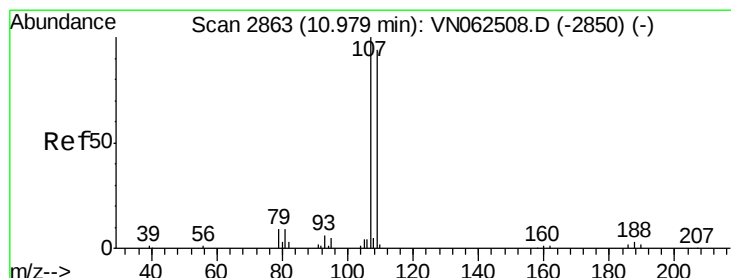
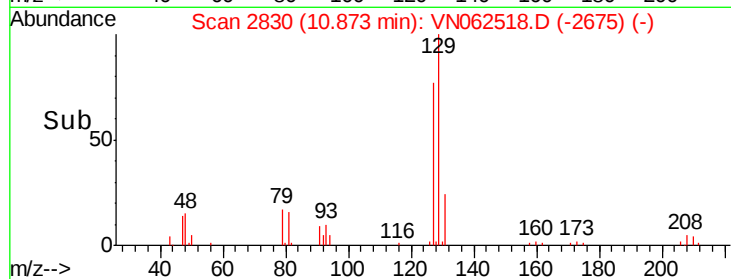
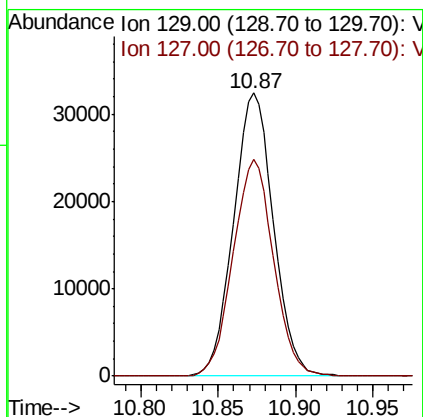
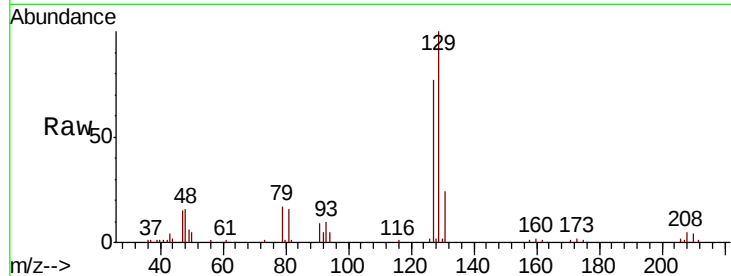




#53
 Dibromochloromethane
 Concen: 19.930 ug/l
 RT: 10.87 min Scan# 2830
 Delta R.T. -0.00 min
 Lab File: VN062518.D
 Acq: 13 Jul 2020 16:13

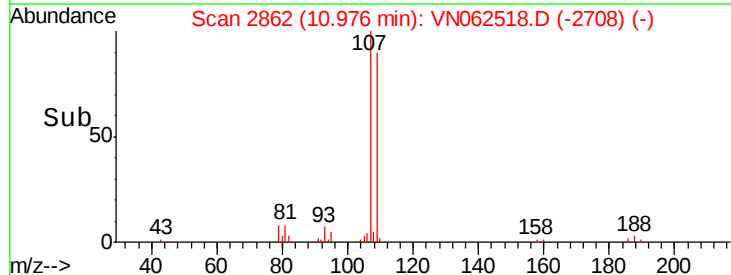
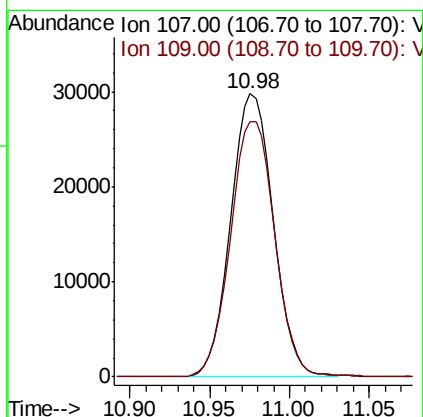
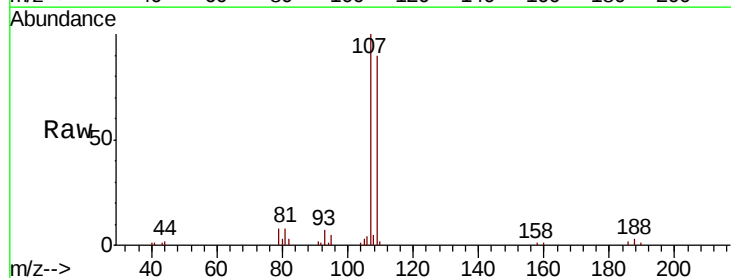
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

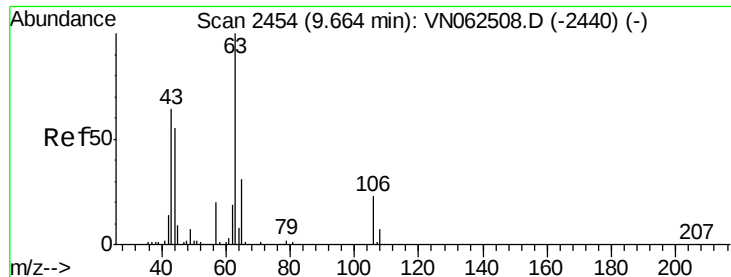
Tot Ion:129 Resp: 58059
 Ion Ratio Lower Upper
 129 100
 127 77.5 38.1 114.5



#54
 1,2-Dibromoethane
 Concen: 19.786 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN062518.D
 Acq: 13 Jul 2020 16:13

Tgt Ion:107 Resp: 54150
 Ion Ratio Lower Upper
 107 100
 109 93.6 74.8 112.2

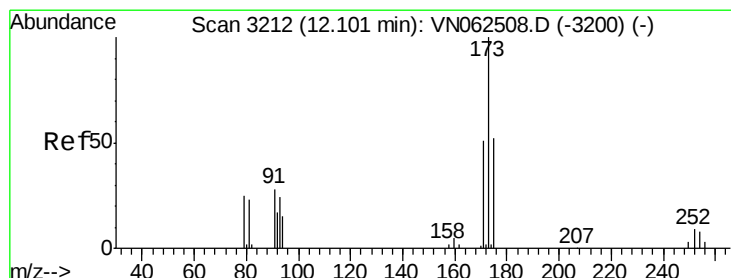
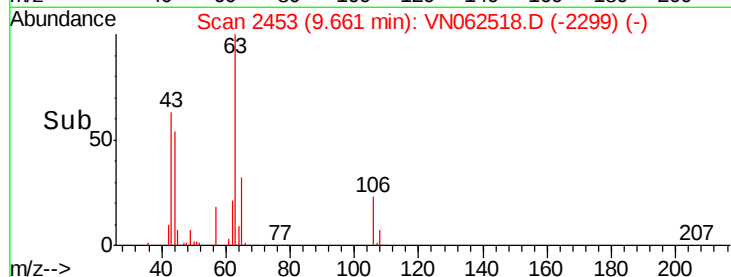
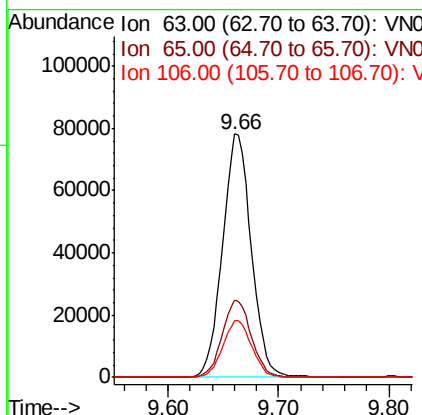
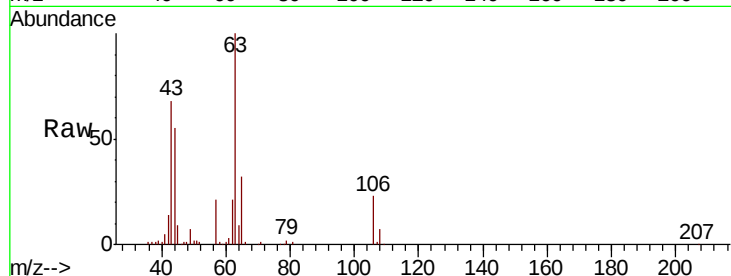




#55
2-Chloroethyl vinyl ether
Concen: 98.454 ug/l
RT: 9.66 min Scan# 2453
Delta R.T. -0.00 min
Lab File: VN062518.D
Acq: 13 Jul 2020 16:13

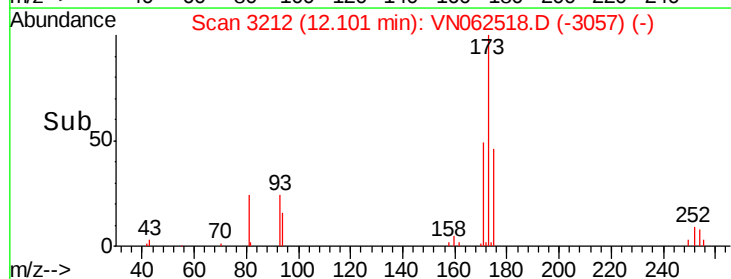
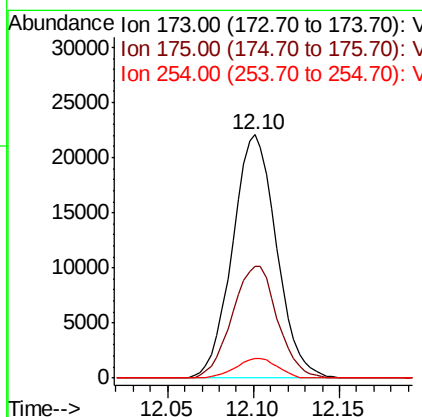
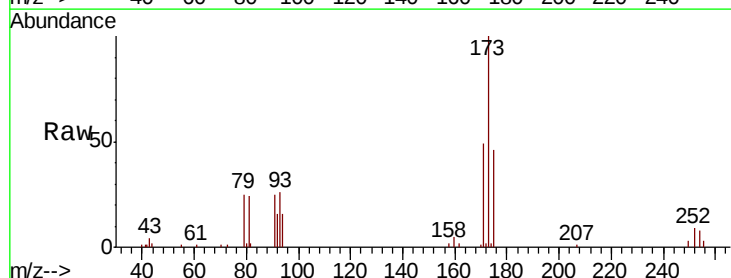
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

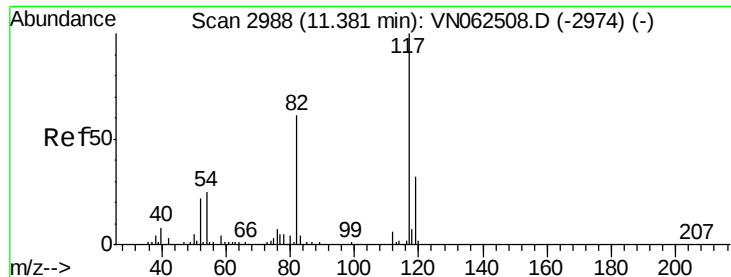
Tot Ion: 63 Resp: 141560
Ion Ratio Lower Upper
63 100
65 31.8 25.4 38.2
106 23.3 18.4 27.6



#56
Bromoform
Concen: 19.796 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. -0.00 min
Lab File: VN062518.D
Acq: 13 Jul 2020 16:13

Tgt Ion: 173 Resp: 39388
Ion Ratio Lower Upper
173 100
175 47.2 38.1 57.1
254 7.7 6.2 9.2

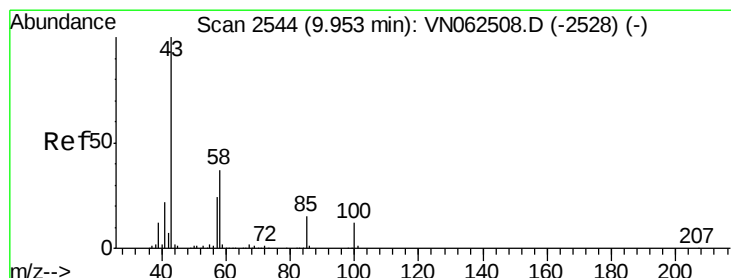
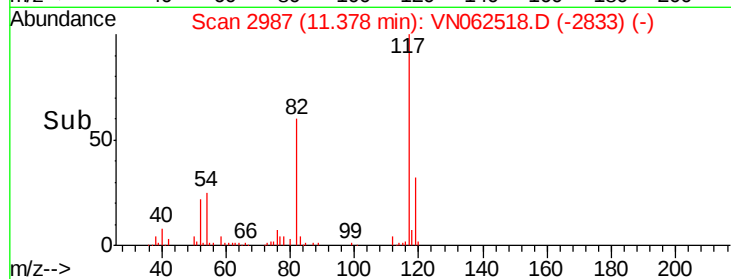
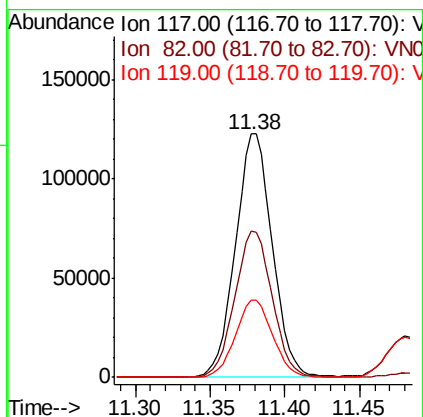
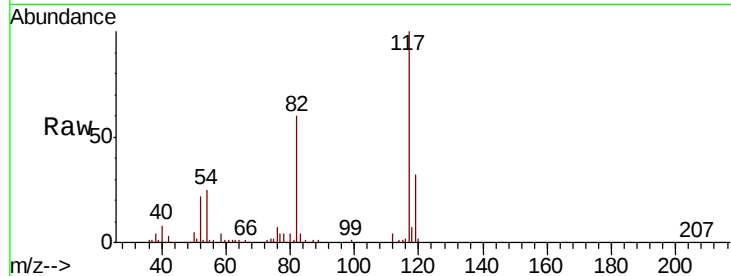




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN062518.D
Acq: 13 Jul 2020 16:13

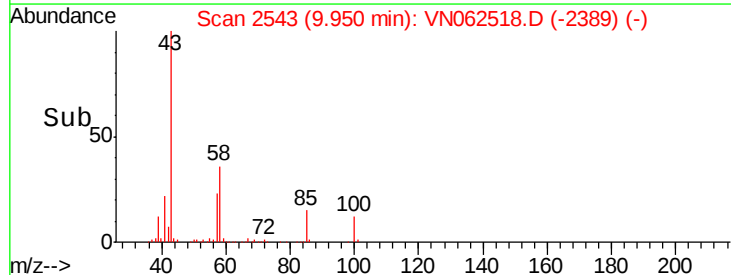
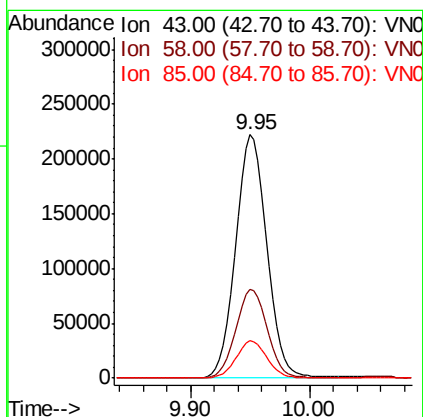
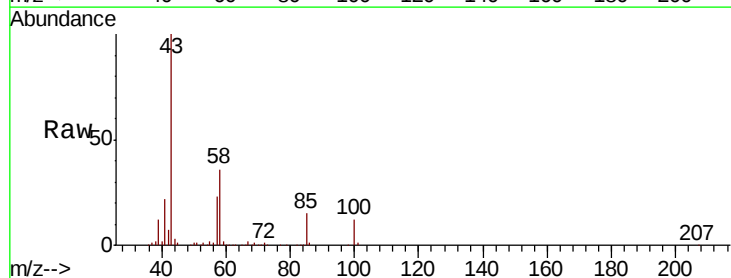
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

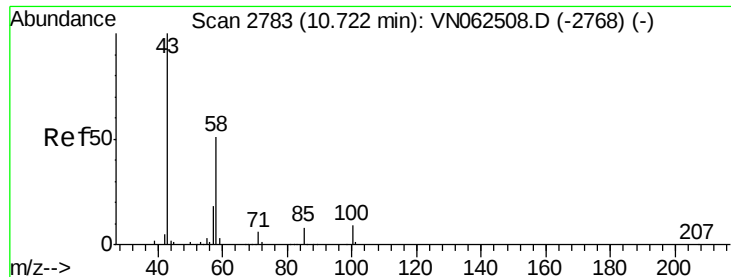
Tot Ion:117 Resp: 210163
Ion Ratio Lower Upper
117 100
82 60.7 49.0 73.6
119 32.3 25.6 38.4



#58
4-Methyl-2-Pentanone
Concen: 98.788 ug/l
RT: 9.95 min Scan# 2543
Delta R.T. -0.00 min
Lab File: VN062518.D
Acq: 13 Jul 2020 16:13

Tgt Ion: 43 Resp: 404504
Ion Ratio Lower Upper
43 100
58 36.7 29.6 44.4
85 15.2 12.0 18.0

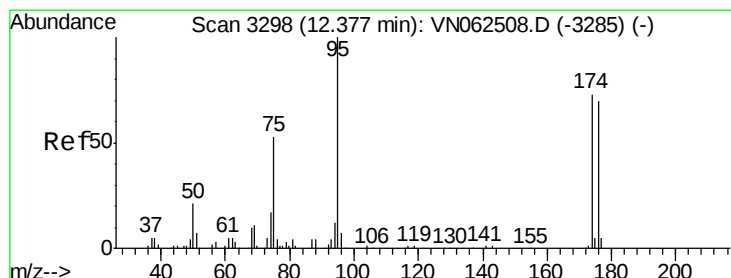
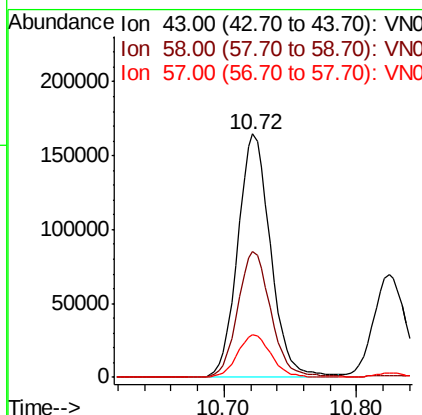
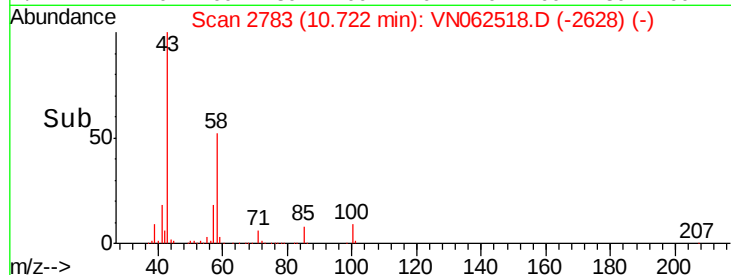
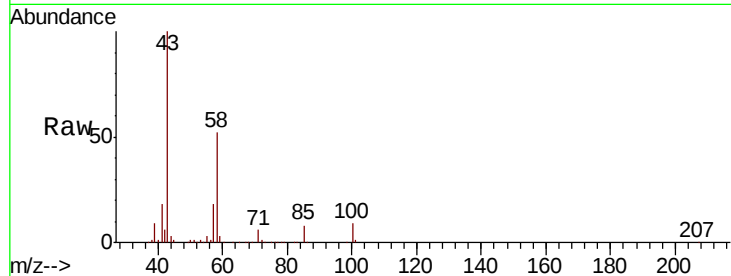




#59
2-Hexanone
Concen: 94.229 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN062518.D
Acq: 13 Jul 2020 16:13

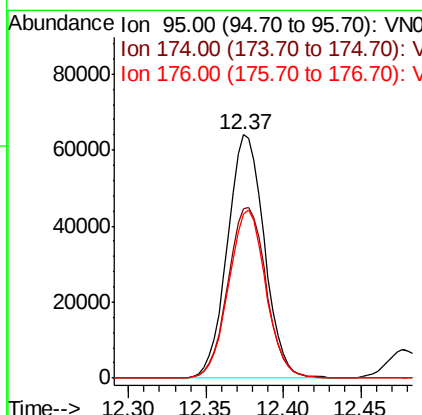
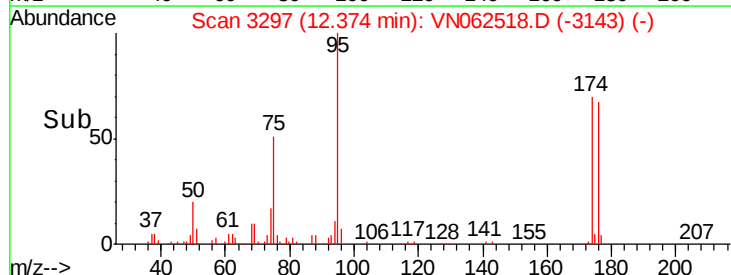
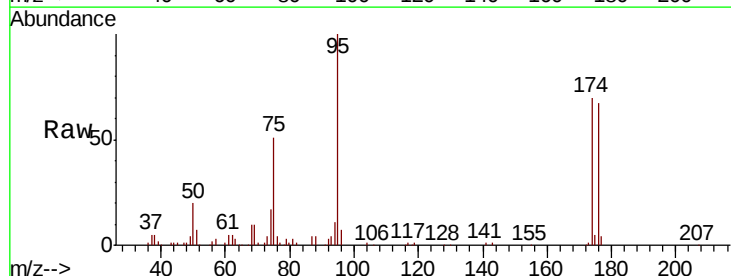
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

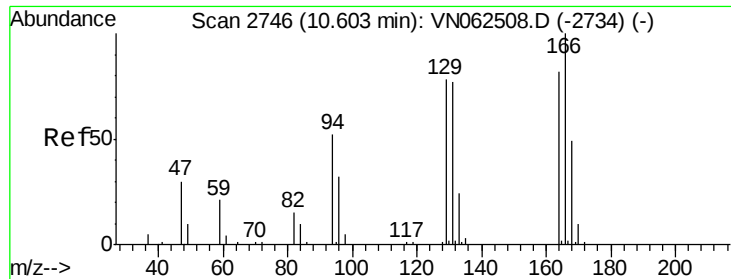
Tot Ion: 43 Resp: 282971
Ion Ratio Lower Upper
43 100
58 52.3 41.2 61.8
57 18.1 14.4 21.6



#60
4-Bromofluorobenzene
Concen: 29.639 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. -0.00 min
Lab File: VN062518.D
Acq: 13 Jul 2020 16:13

Tgt Ion: 95 Resp: 106003
Ion Ratio Lower Upper
95 100
174 72.6 57.5 86.3
176 69.6 56.3 84.5

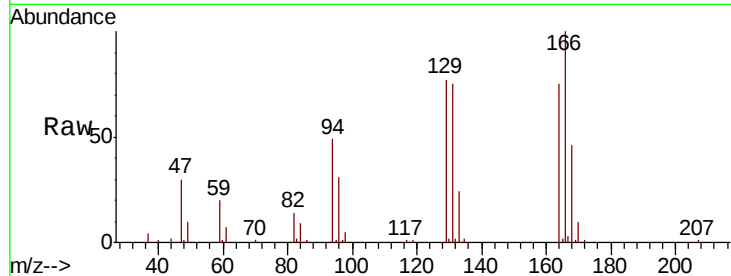




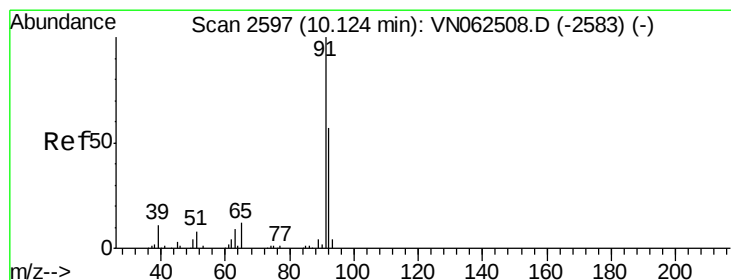
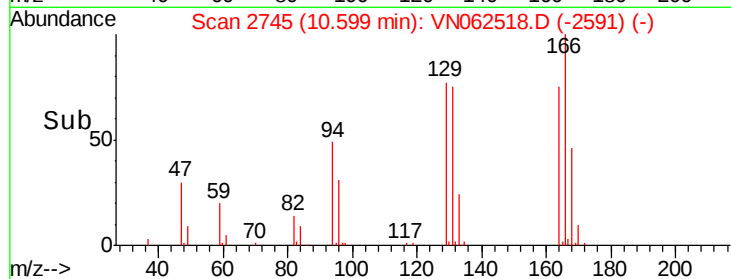
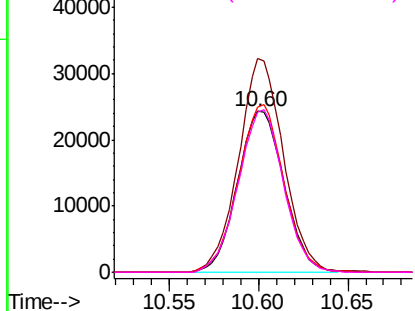
#61
Tetrachloroethene
Concen: 20.622 ug/l
RT: 10.60 min Scan# 2745
Delta R.T. -0.00 min
Lab File: VN062518.D
Acq: 13 Jul 2020 16:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:164 Resp: 44383
Ion Ratio Lower Upper
164 100
166 132.6 97.7 146.5
129 102.4 77.0 115.4
131 99.1 75.0 112.6

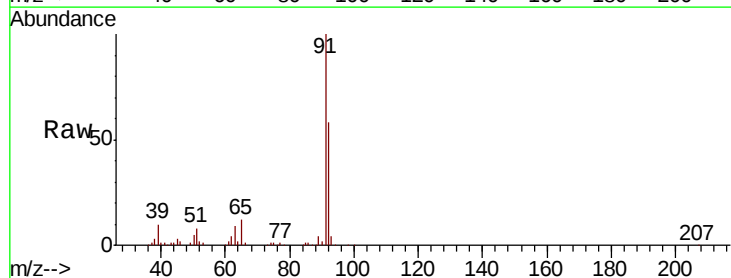


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

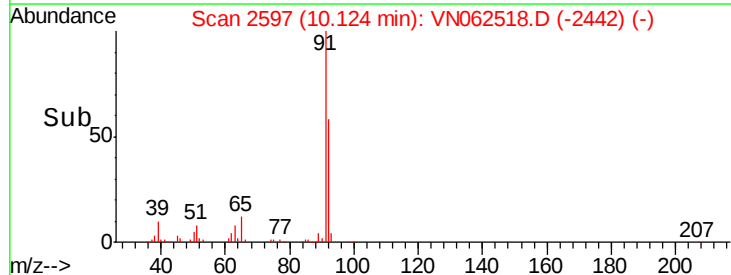
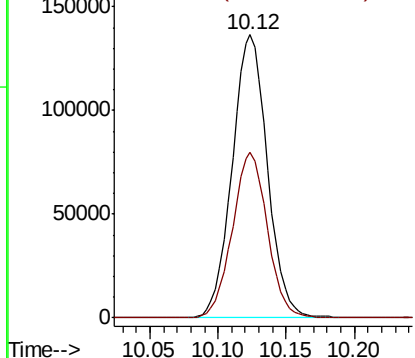


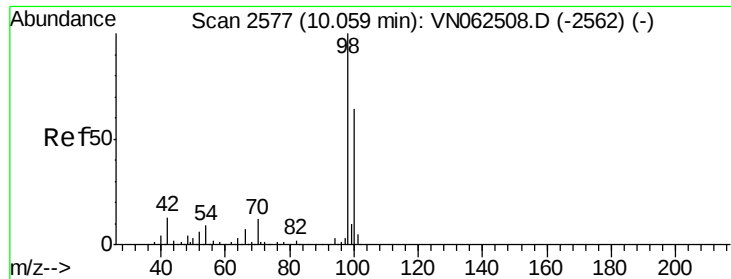
#62
Toluene
Concen: 20.470 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN062518.D
Acq: 13 Jul 2020 16:13

Tgt Ion: 91 Resp: 244055
Ion Ratio Lower Upper
91 100
92 58.0 45.8 68.6



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.488 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062518.D

Acq: 13 Jul 2020 16:13

Instrument :

MSVOA_N

ClientSampleId :

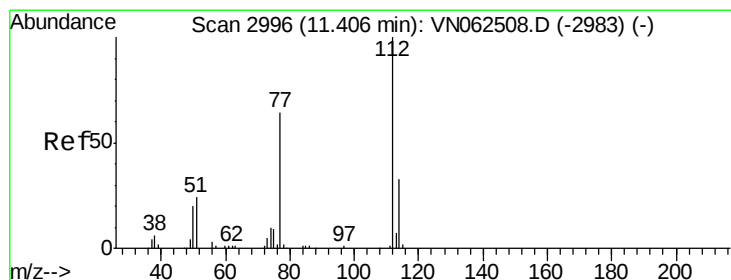
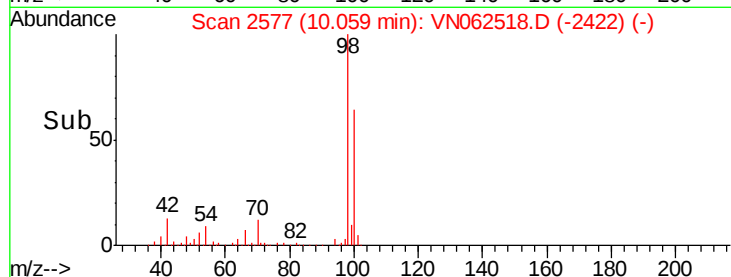
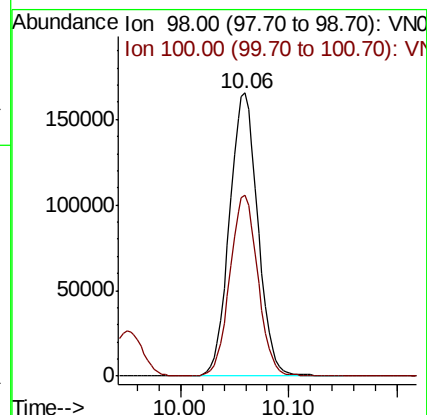
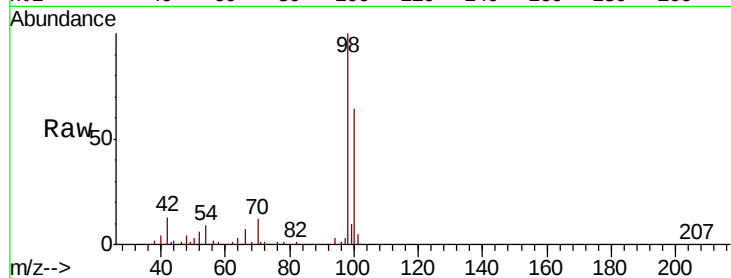
VSTDCCC020EC

Tot Ion: 98 Resp: 302774

Ion Ratio Lower Upper

98 100

100 63.0 50.4 75.6



#64

Chlorobenzene

Concen: 20.340 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN062518.D

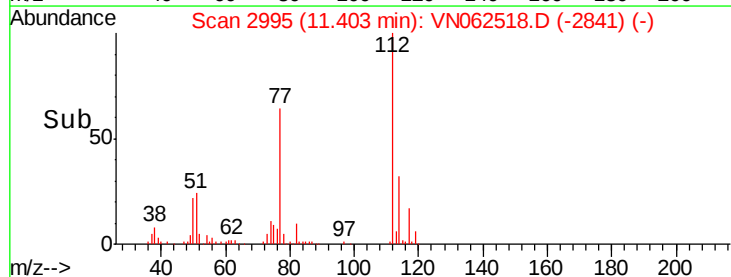
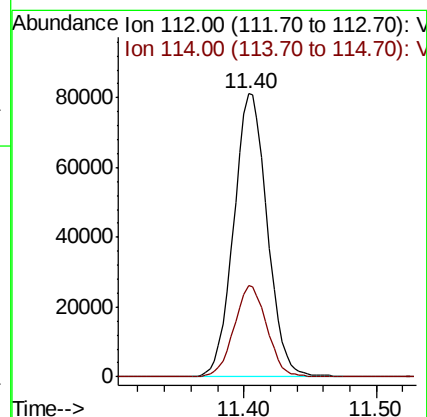
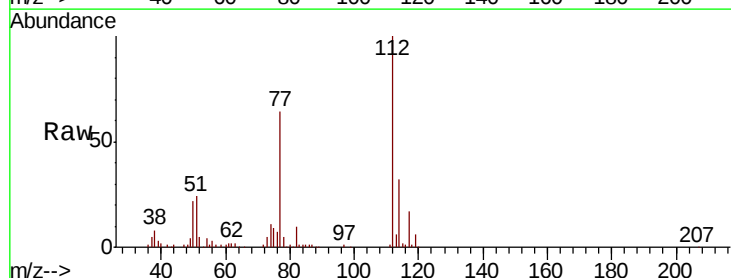
Acq: 13 Jul 2020 16:13

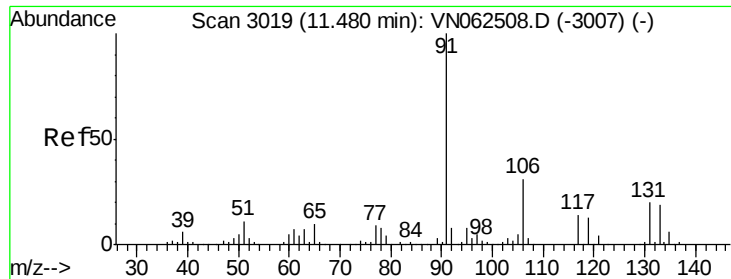
Tgt Ion: 112 Resp: 142497

Ion Ratio Lower Upper

112 100

114 32.1 26.0 39.0





#65

1,1,1,2-Tetrachloroethane

Concen: 20.248 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN062518.D

Acq: 13 Jul 2020 16:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

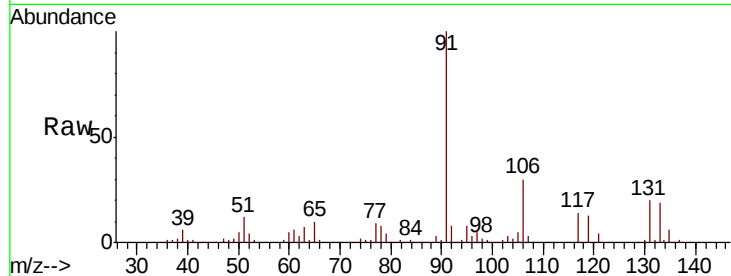
Tot Ion:131 Resp: 52508

Ion Ratio Lower Upper

131 100

133 94.8 0.0 191.4

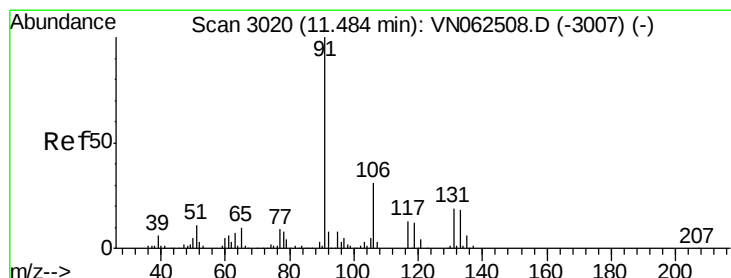
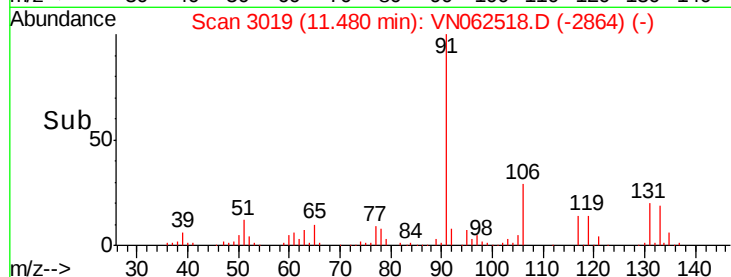
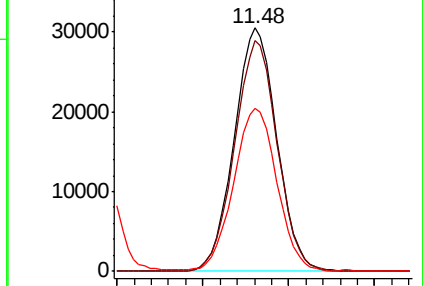
119 68.2 0.0 136.2



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: 19.951 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN062518.D

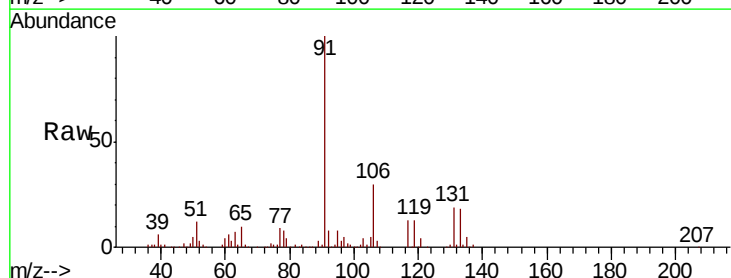
Acq: 13 Jul 2020 16:13

Tgt Ion: 91 Resp: 263416

Ion Ratio Lower Upper

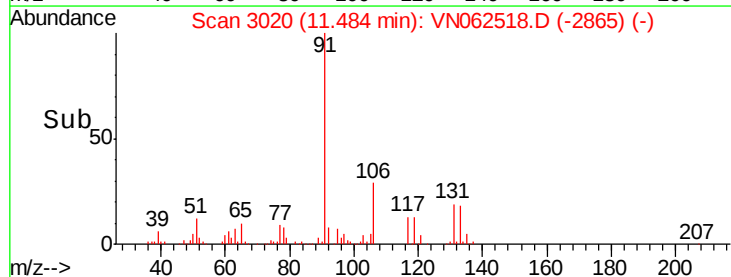
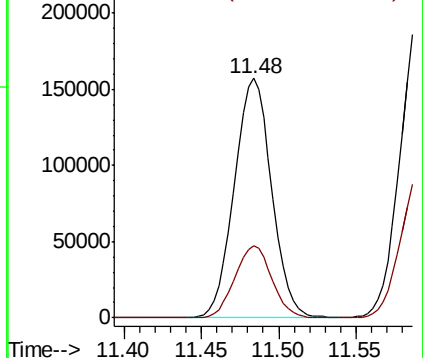
91 100

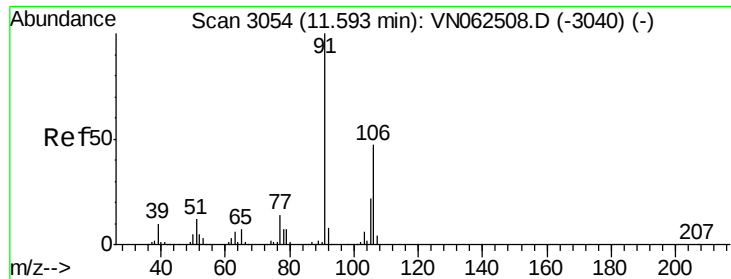
106 30.0 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

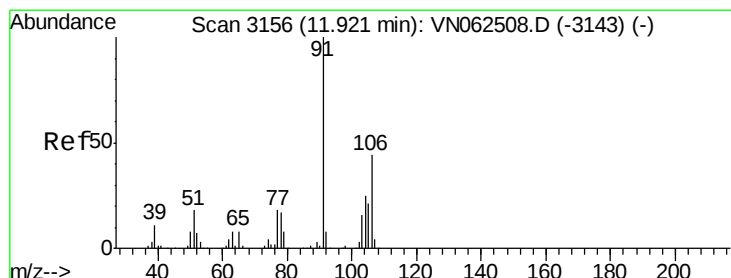
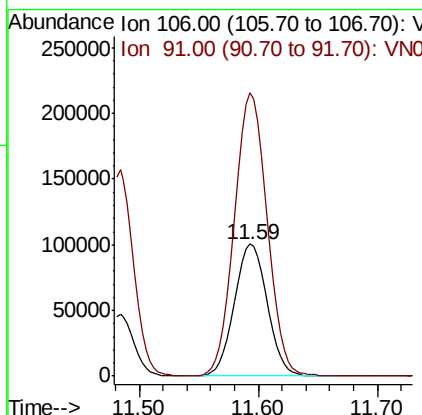
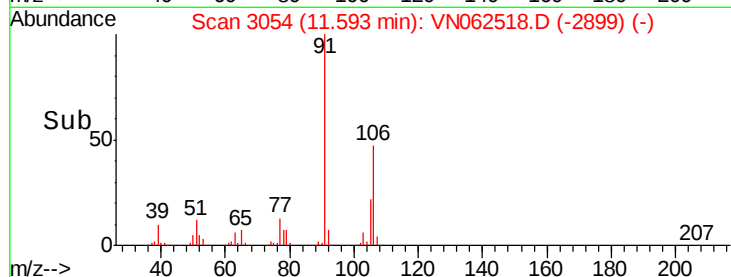
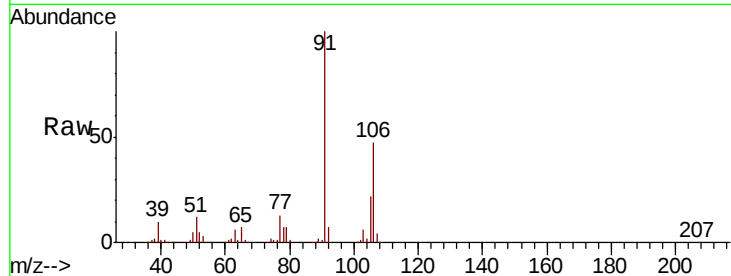




#67
m/p-Xylenes
Concen: 40.357 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062518.D
Acq: 13 Jul 2020 16:13

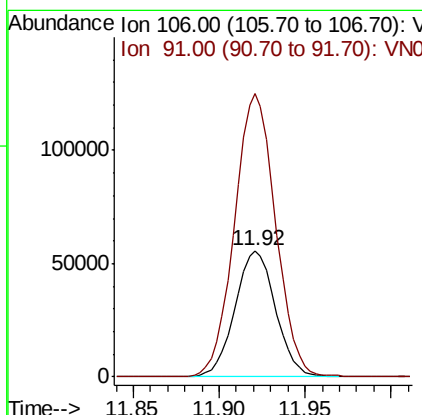
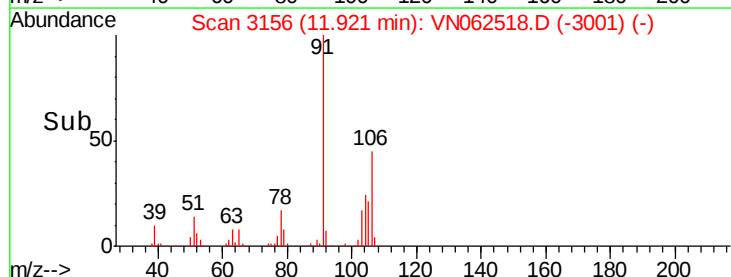
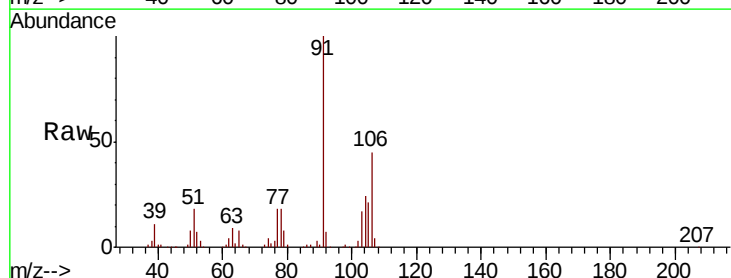
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

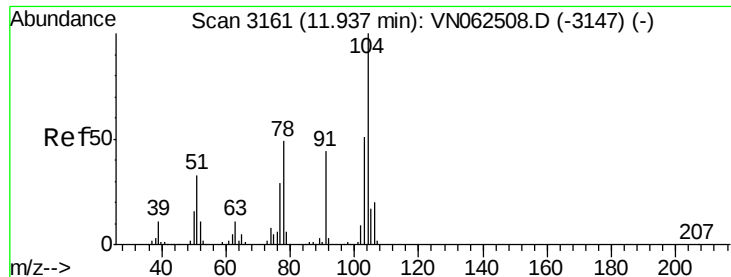
Tot Ion:106 Resp: 193397
Ion Ratio Lower Upper
106 100
91 213.4 170.7 256.1



#68
o-Xylene
Concen: 19.865 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062518.D
Acq: 13 Jul 2020 16:13

Tgt Ion:106 Resp: 91358
Ion Ratio Lower Upper
106 100
91 227.9 113.9 341.6

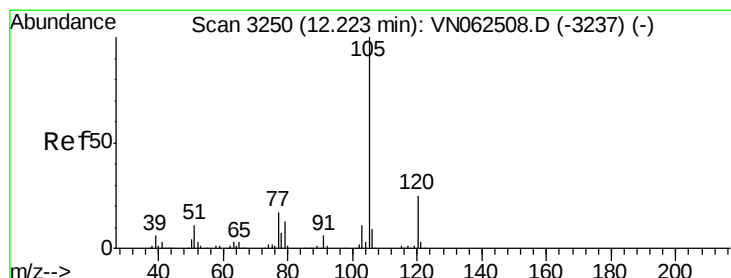
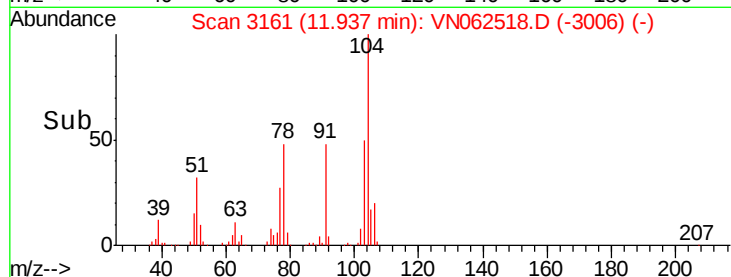
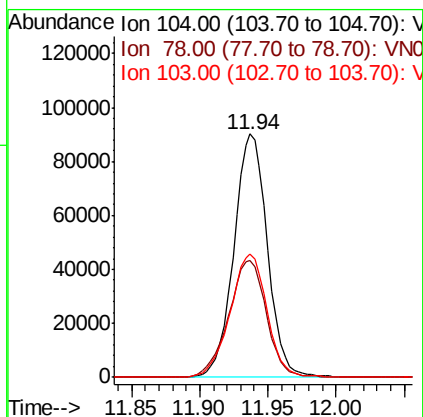
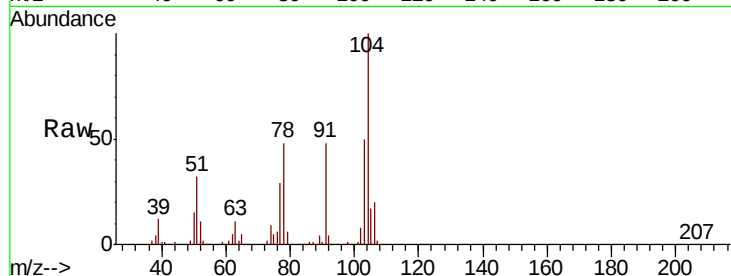




#69
Stvrene
Concen: 19.669 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062518.D
Acq: 13 Jul 2020 16:13

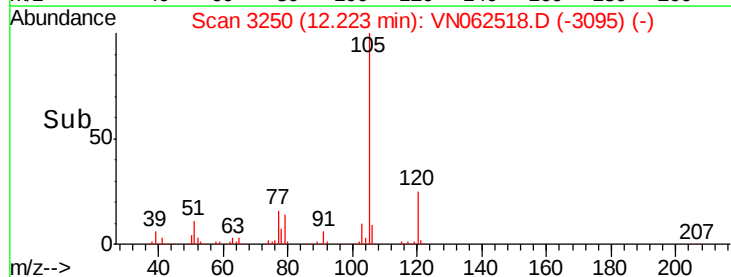
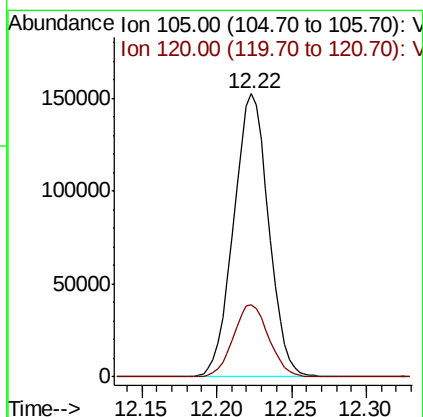
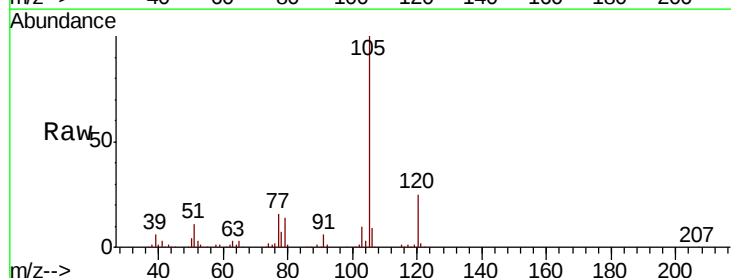
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

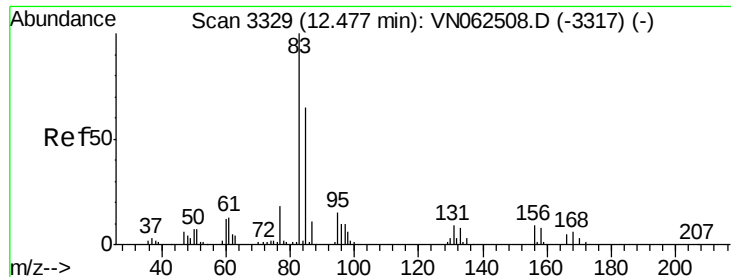
Tot Ion:104 Resp: 153526
Ion Ratio Lower Upper
104 100
78 54.4 43.9 65.9
103 55.6 43.8 65.6



#70
Isopropylbenzene
Concen: 20.098 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN062518.D
Acq: 13 Jul 2020 16:13

Tgt Ion:105 Resp: 248120
Ion Ratio Lower Upper
105 100
120 25.8 17.6 32.8

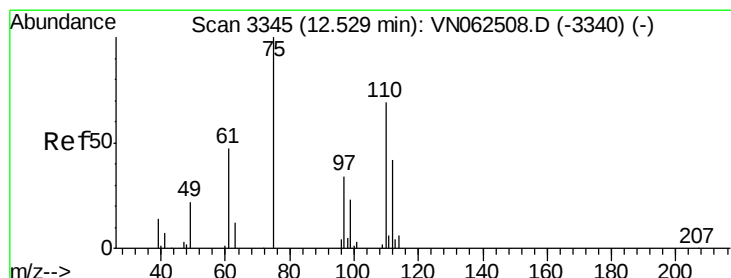
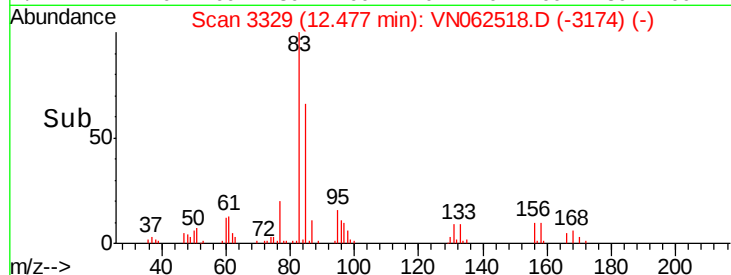
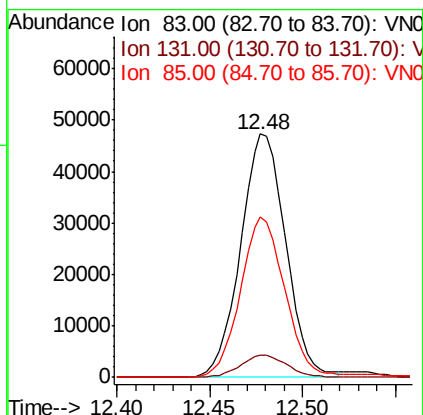
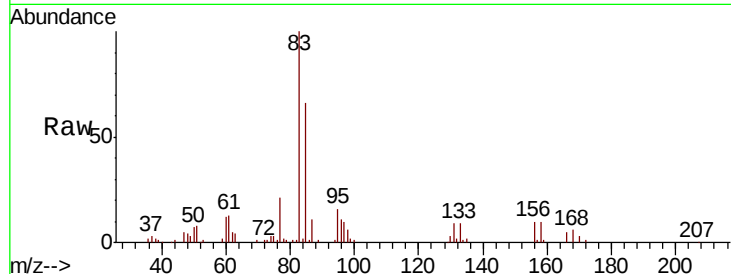




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.053 ug/l
 RT: 12.48 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VN062518.D
 Acq: 13 Jul 2020 16:13

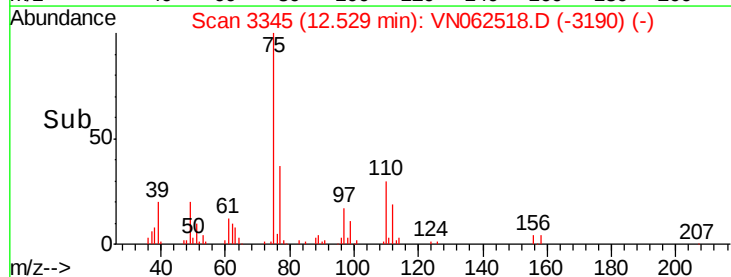
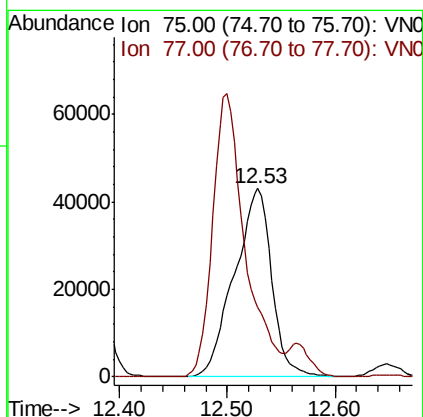
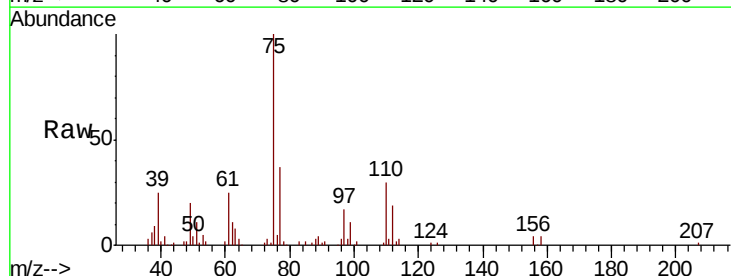
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

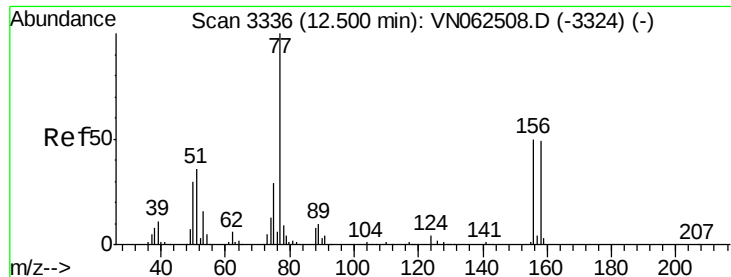
Tot Ion: 83 Resp: 80010
 Ion Ratio Lower Upper
 83 100
 131 9.3 4.5 13.7
 85 64.6 32.5 97.4



#72
 1,2,3-Trichloropropane
 Concen: 26.725 ug/l
 RT: 12.53 min Scan# 3345
 Delta R.T. -0.00 min
 Lab File: VN062518.D
 Acq: 13 Jul 2020 16:13

Tgt Ion: 75 Resp: 103723
 Ion Ratio Lower Upper
 75 100
 77 130.4 0.0 376.2





#73

Bromobenzene

Concen: 19.844 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062518.D

Acq: 13 Jul 2020 16:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

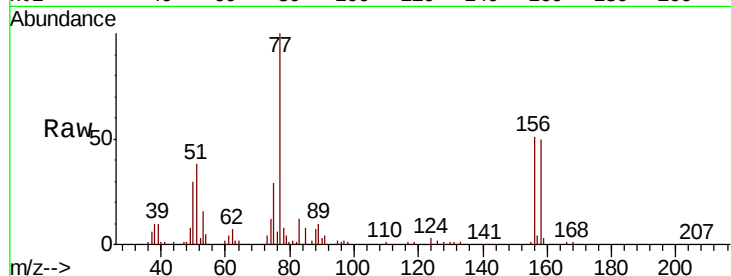
Tot Ion:156 Resp: 56737

Ion Ratio Lower Upper

156 100

77 238.4 0.0 485.0

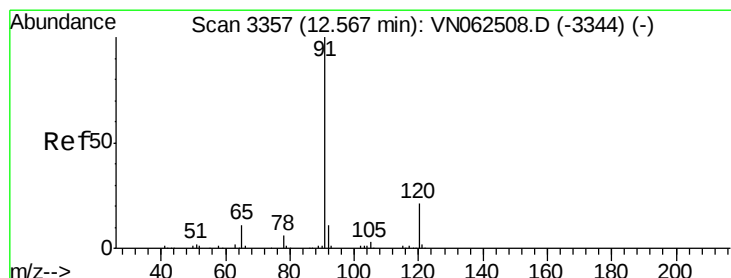
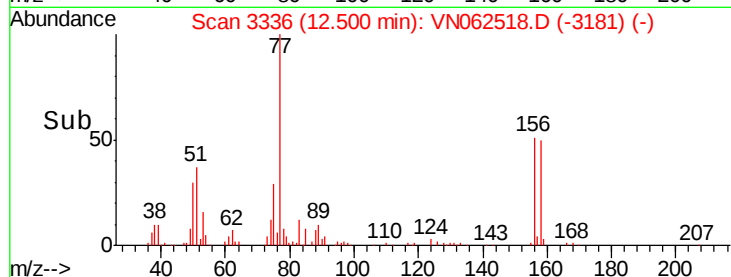
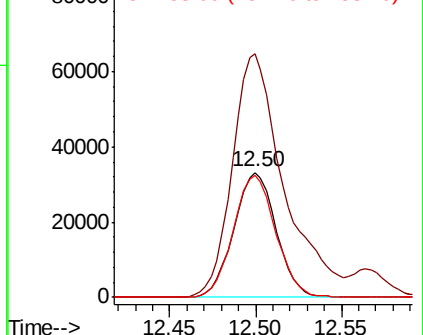
158 98.5 0.0 192.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.069 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN062518.D

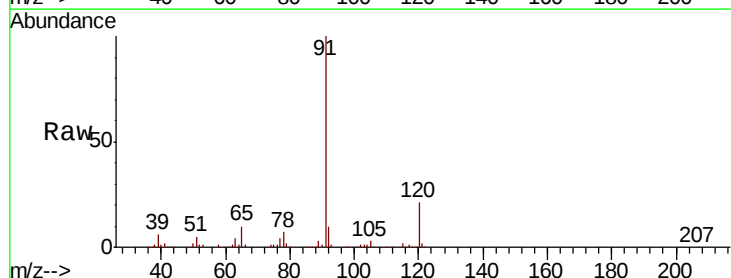
Acq: 13 Jul 2020 16:13

Tgt Ion: 91 Resp: 294510

Ion Ratio Lower Upper

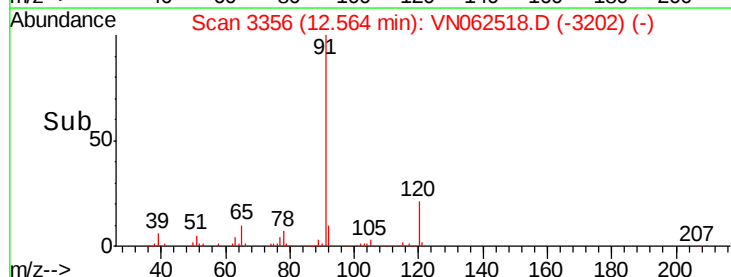
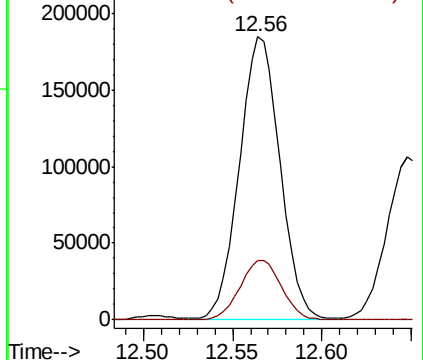
91 100

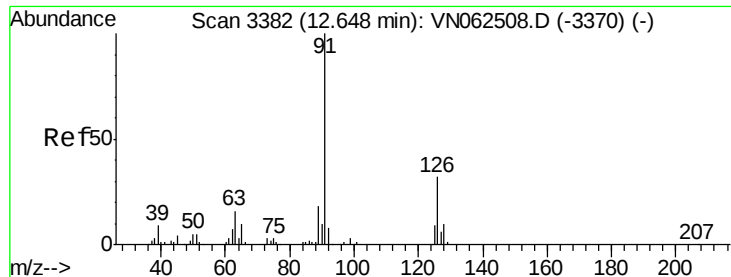
120 21.3 0.0 42.8



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.131 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062518.D

Acq: 13 Jul 2020 16:13

Instrument :

MSVOA_N

ClientSampleId :

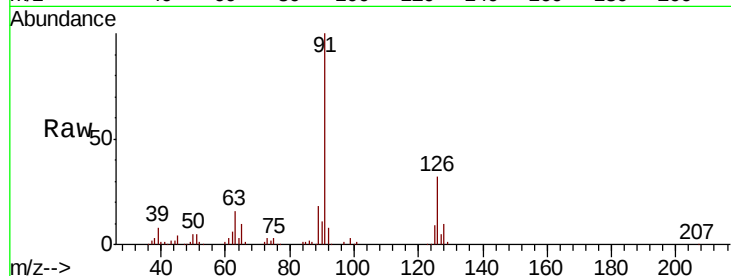
VSTDCCC020EC

Tot Ion: 91 Resp: 177862

Ion Ratio Lower Upper

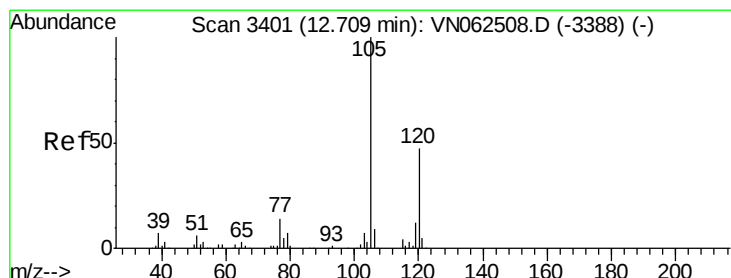
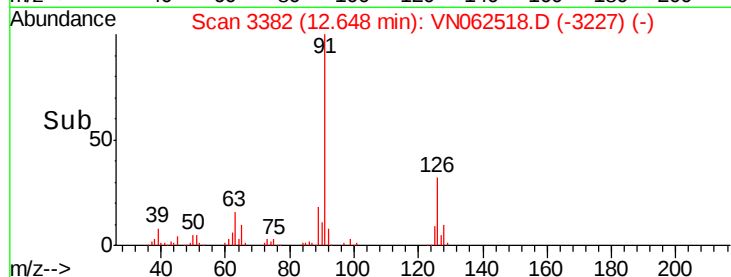
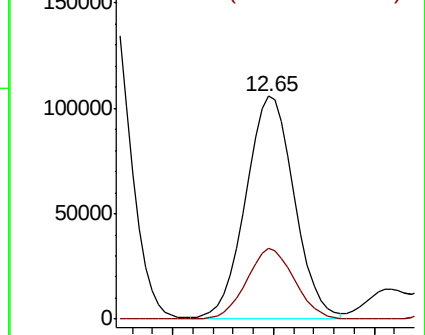
91 100

126 31.4 0.0 62.2



Abundance Ion 91.00 (90.70 to 91.70): VN062518.D (-3382) (-)

Ion 126.00 (125.70 to 126.70): VN062518.D (-3382) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.013 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062518.D

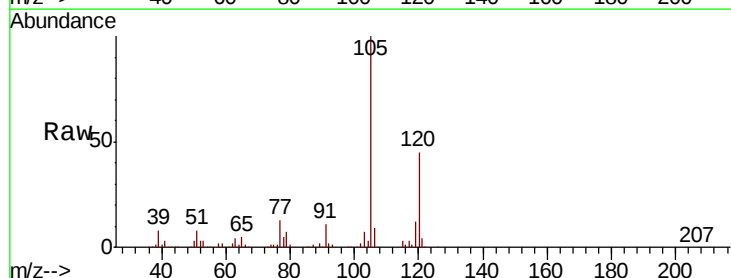
Acq: 13 Jul 2020 16:13

Tgt Ion: 105 Resp: 210523

Ion Ratio Lower Upper

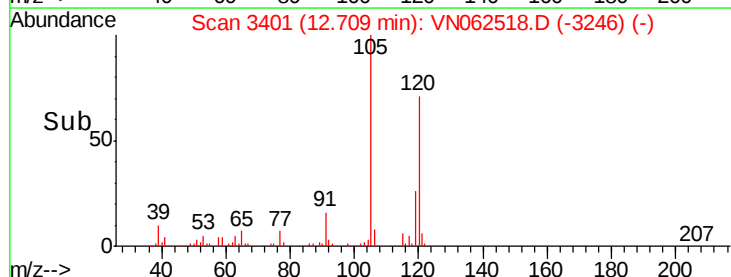
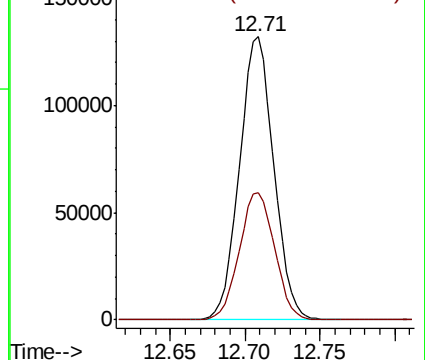
105 100

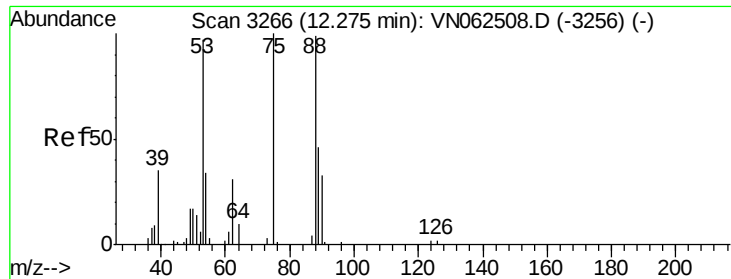
120 46.4 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): VN062518.D (-3401) (-)

Ion 120.00 (119.70 to 120.70): VN062518.D (-3401) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 18.776 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062518.D

Acq: 13 Jul 2020 16:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

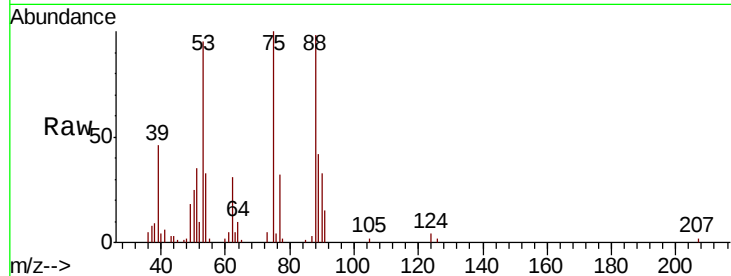
Tot Ion: 75 Resp: 27254

Ion Ratio Lower Upper

75 100

53 95.7 48.3 144.8

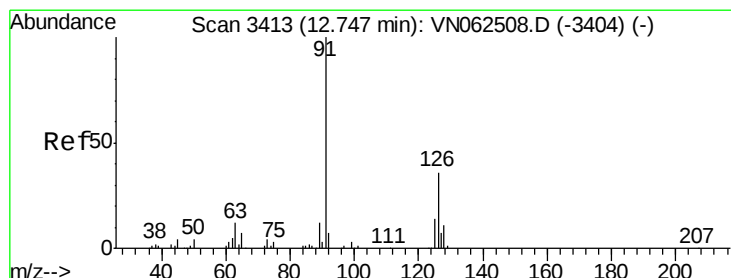
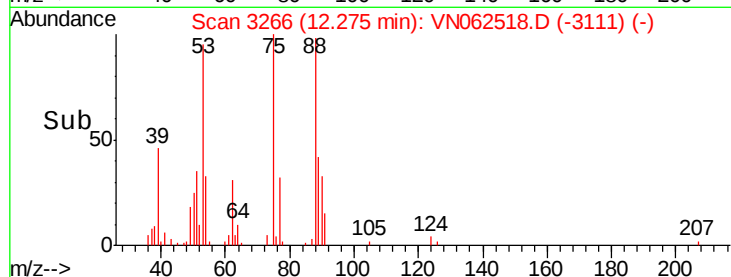
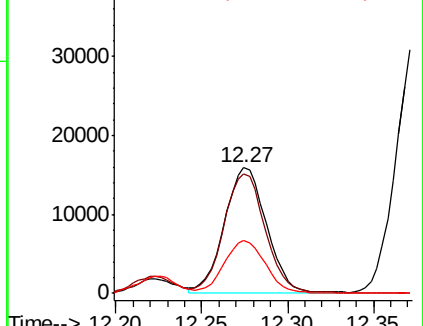
89 42.5 23.3 69.8



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.895 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN062518.D

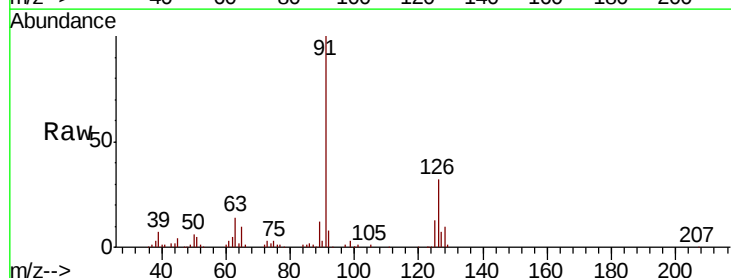
Acq: 13 Jul 2020 16:13

Tgt Ion: 91 Resp: 179360

Ion Ratio Lower Upper

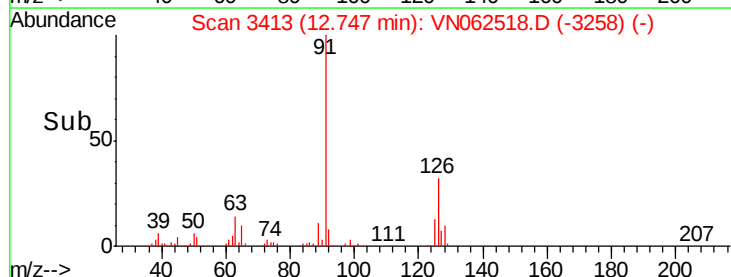
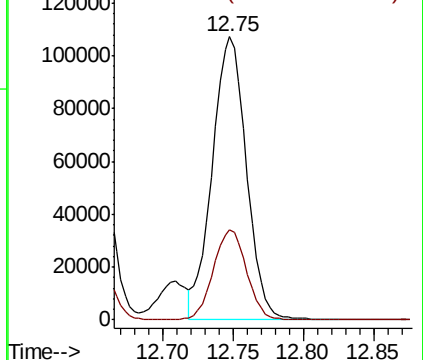
91 100

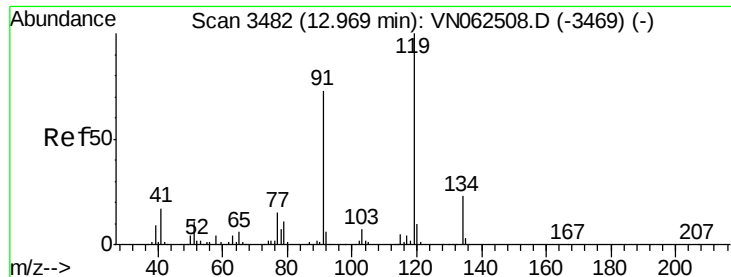
126 30.8 0.0 62.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

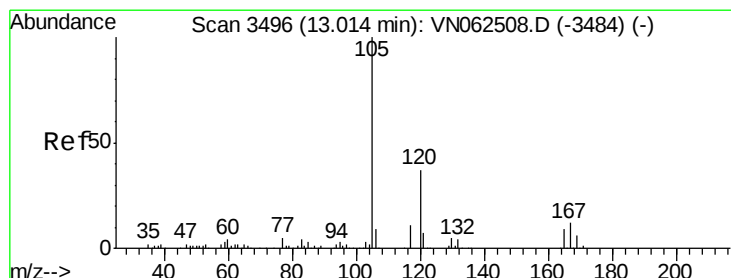
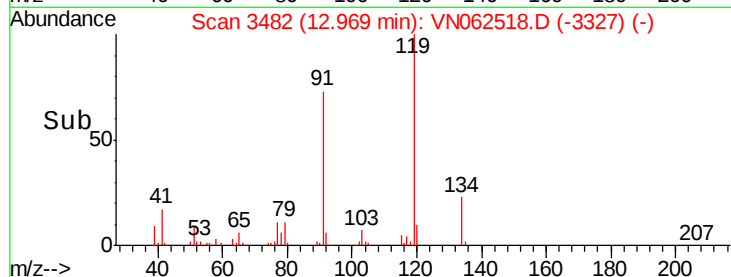
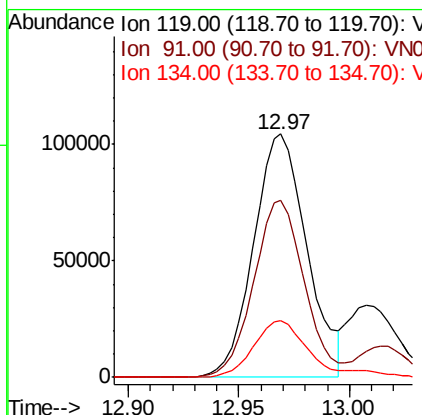
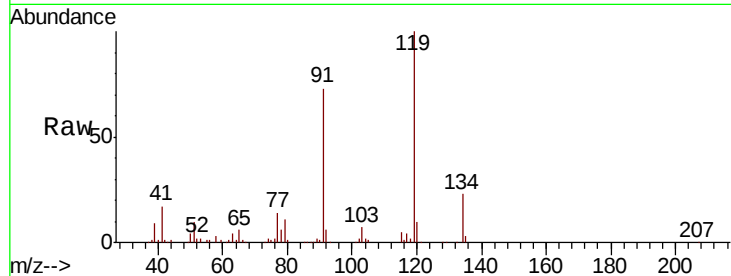




#79
tert-butylbenzene
Concen: 20.145 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN062518.D
Acq: 13 Jul 2020 16:13

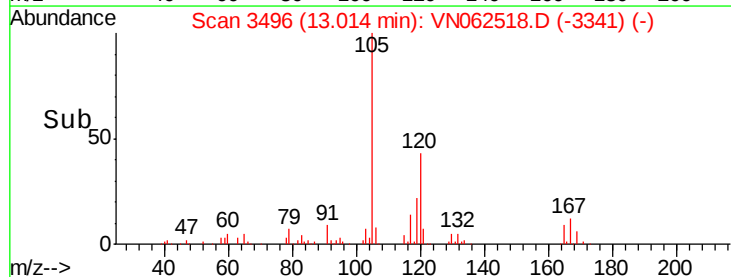
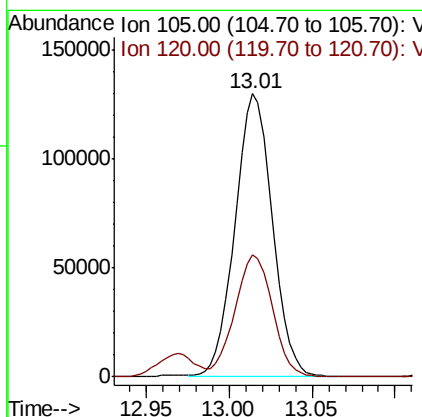
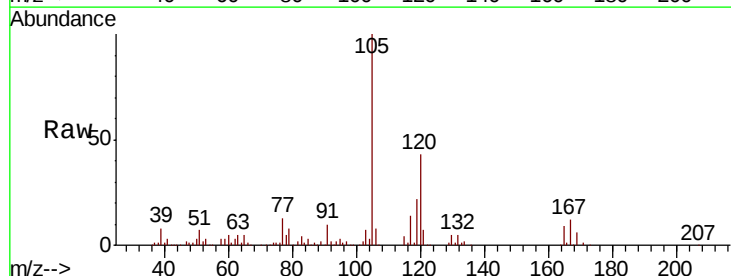
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

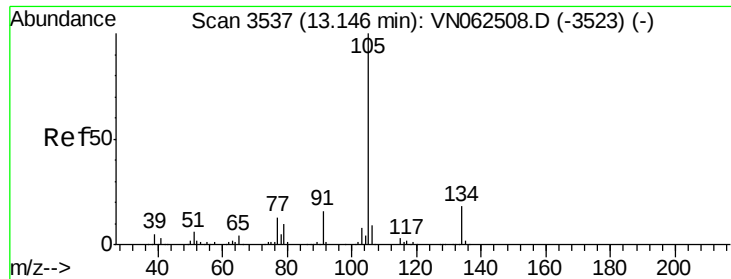
Tot Ion:119 Resp: 175468
Ion Ratio Lower Upper
119 100
91 69.4 0.0 139.8
134 23.0 0.0 45.0



#80
1,2,4-Trimethylbenzene
Concen: 19.603 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN062518.D
Acq: 13 Jul 2020 16:13

Tgt Ion:105 Resp: 202806
Ion Ratio Lower Upper
105 100
120 43.9 0.0 86.6

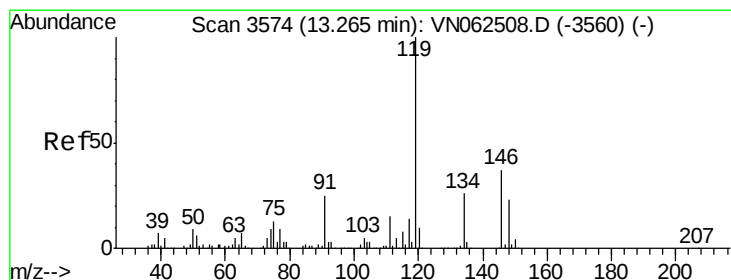
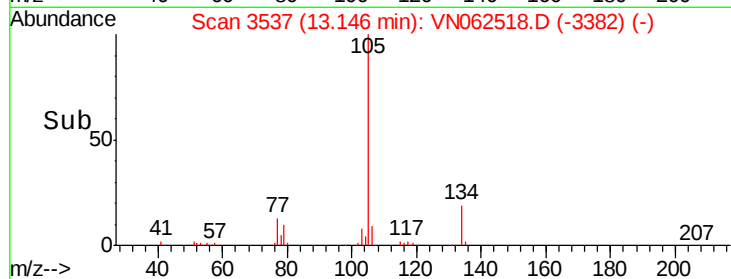
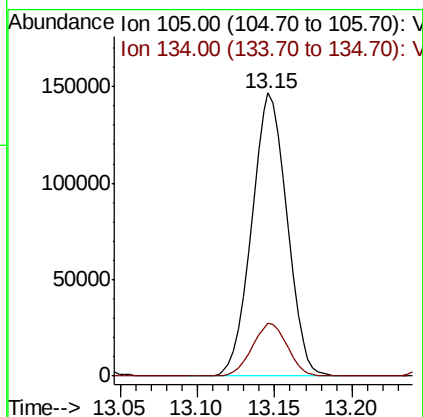
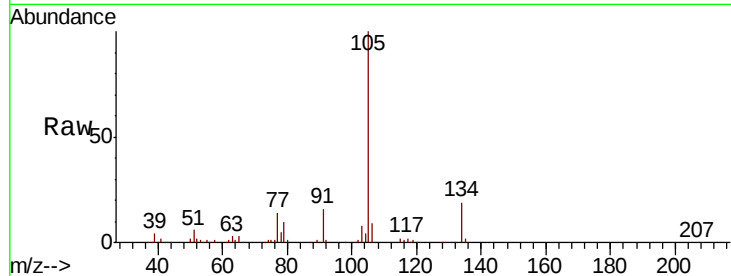




#81
 sec-Butylbenzene
 Concen: 19.922 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN062518.D
 Acq: 13 Jul 2020 16:13

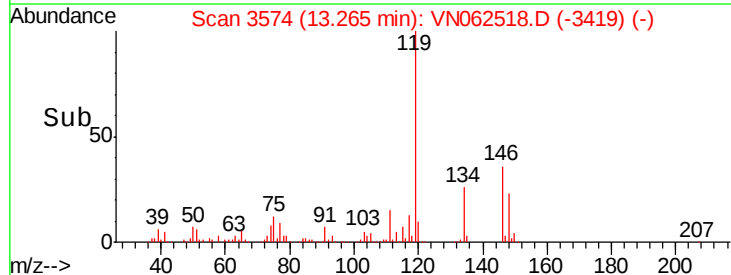
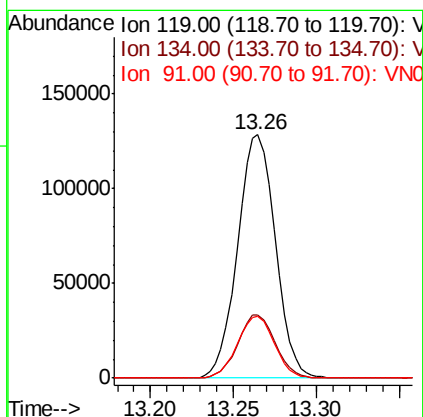
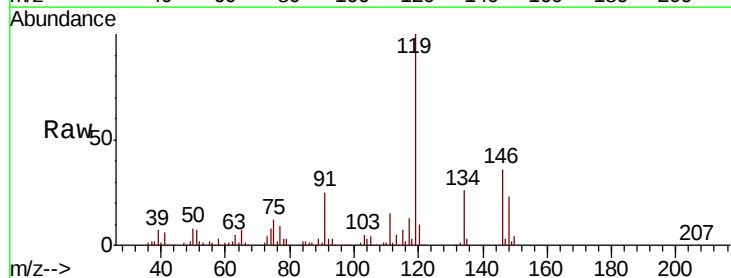
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

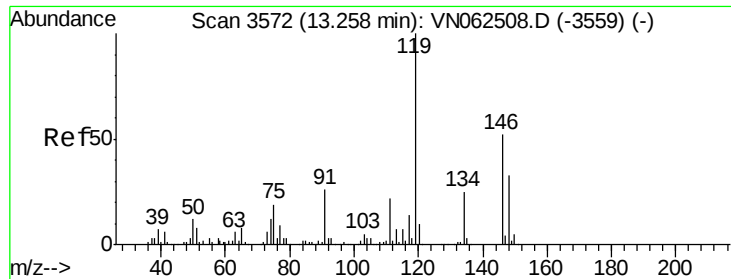
Tot Ion:105 Resp: 233041
 Ion Ratio Lower Upper
 105 100
 134 18.7 0.0 37.2



#82
 p-Isopropyltoluene
 Concen: 19.737 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN062518.D
 Acq: 13 Jul 2020 16:13

Tgt Ion:119 Resp: 203746
 Ion Ratio Lower Upper
 119 100
 134 25.8 0.0 50.8
 91 25.1 0.0 51.2

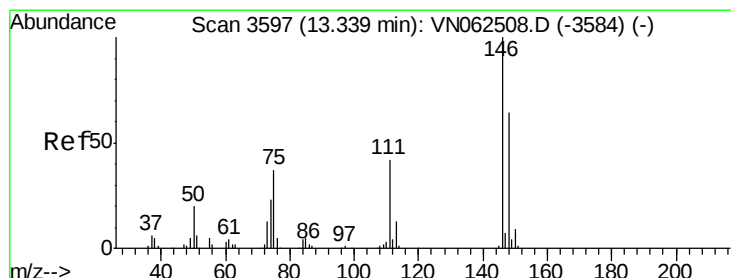
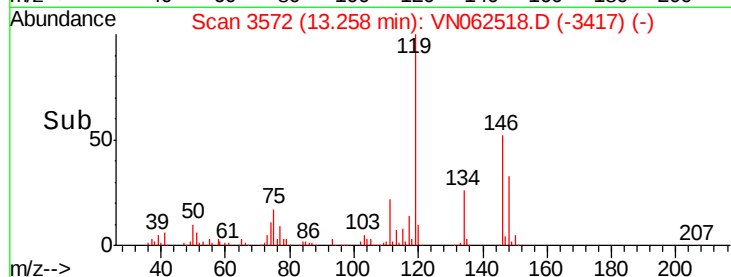
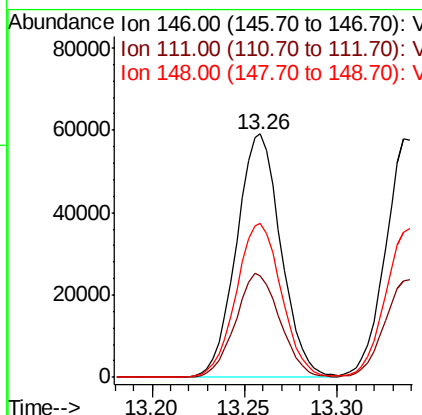
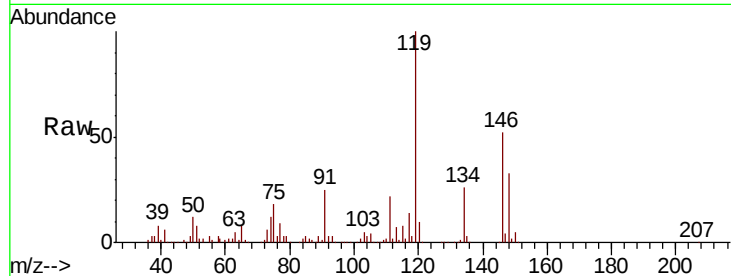




#83
 1,3-Dichlorobenzene
 Concen: 19.799 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062518.D
 Acq: 13 Jul 2020 16:13

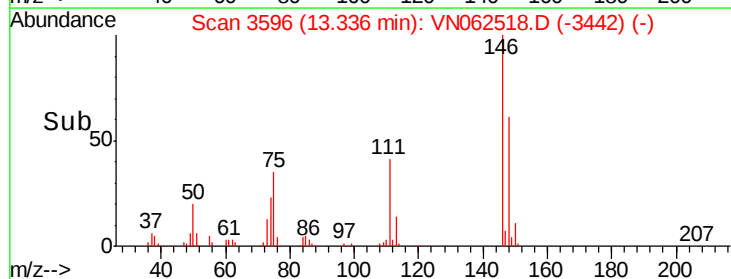
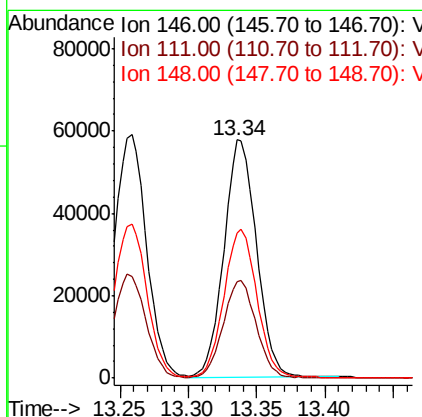
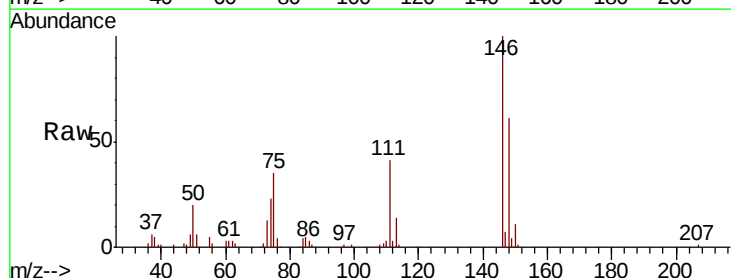
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

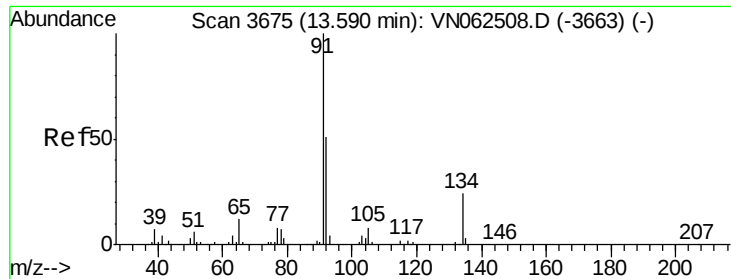
Tot Ion:146 Resp: 98309
 Ion Ratio Lower Upper
 146 100
 111 42.7 21.0 63.0
 148 64.4 31.7 95.1



#84
 1,4-Dichlorobenzene
 Concen: 19.549 ug/l
 RT: 13.34 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VN062518.D
 Acq: 13 Jul 2020 16:13

Tgt Ion:146 Resp: 95781
 Ion Ratio Lower Upper
 146 100
 111 40.7 21.4 64.2
 148 62.7 32.4 97.2

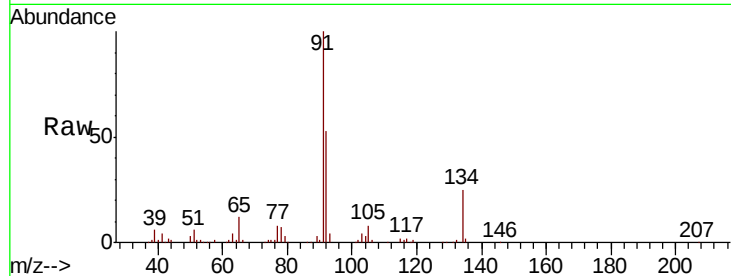




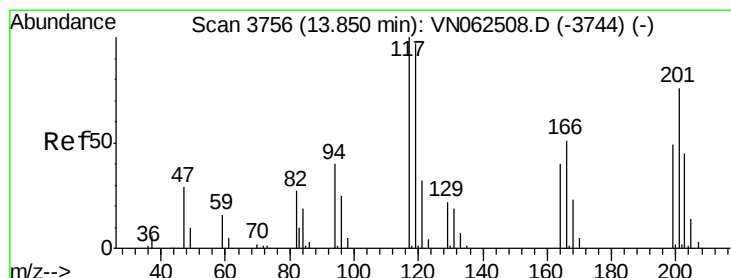
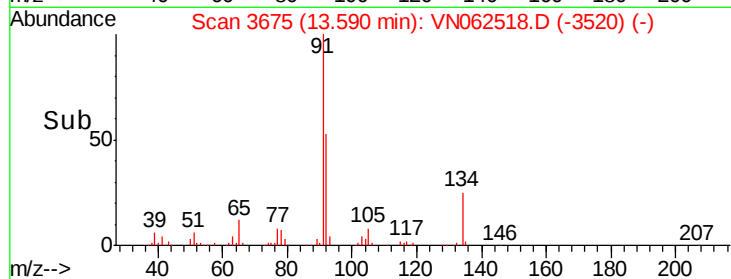
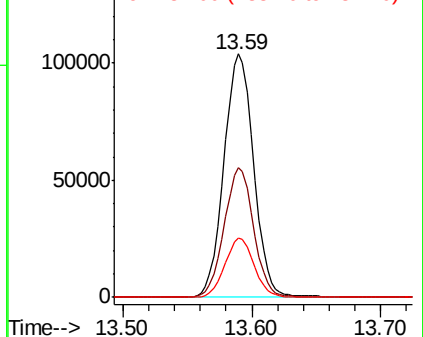
#85
n-Butylbenzene
Concen: 18.756 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062518.D
Acq: 13 Jul 2020 16:13

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020EC

Tot Ion: 91 Resp: 166084
Ion Ratio Lower Upper
91 100
92 52.6 0.0 102.4
134 24.0 0.0 46.6

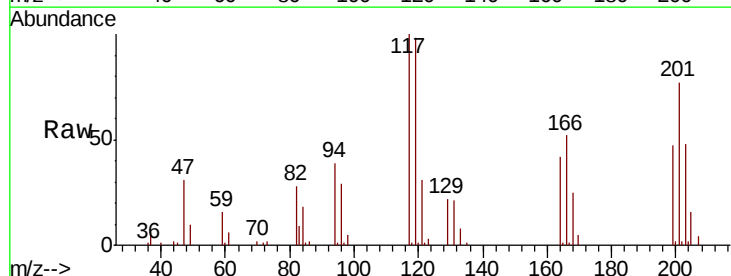


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): VN0

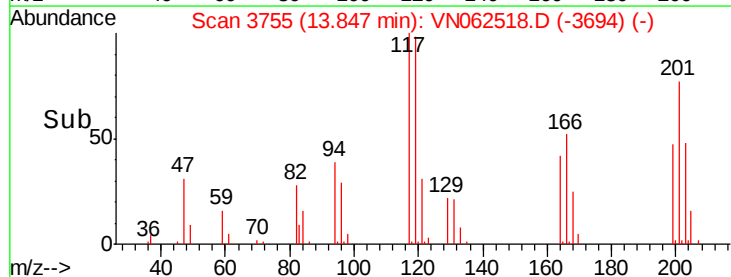
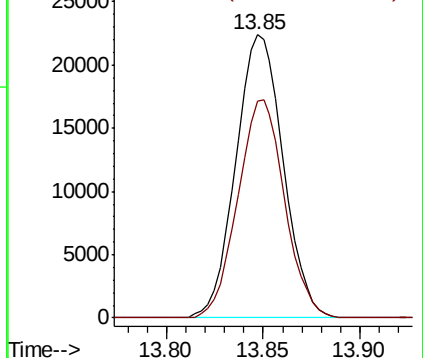


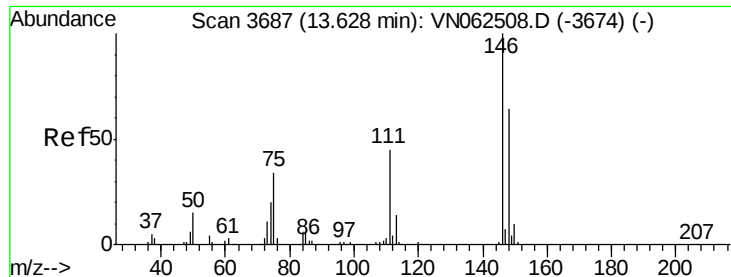
#86
Hexachloroethane
Concen: 19.168 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN062518.D
Acq: 13 Jul 2020 16:13

Tgt Ion: 117 Resp: 38181
Ion Ratio Lower Upper
117 100
201 76.1 37.4 112.2



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 201.00 (200.70 to 201.70): V

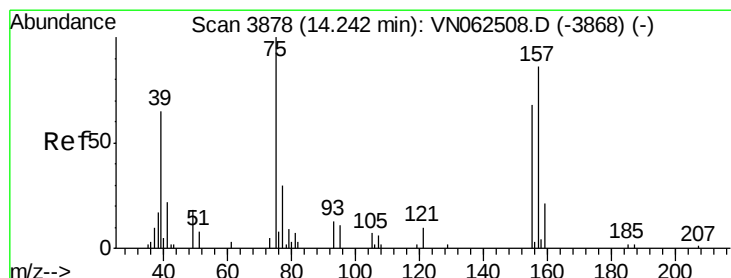
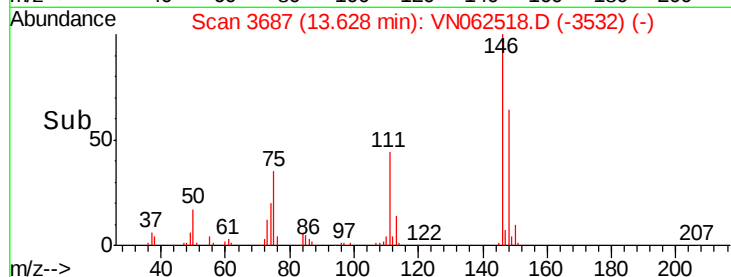
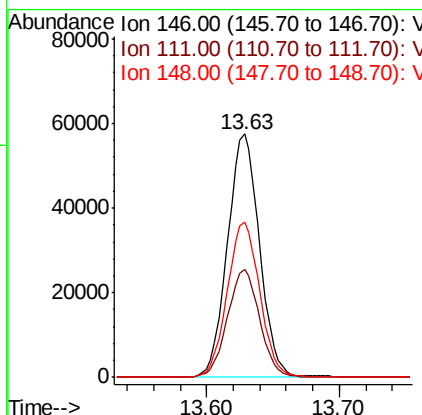
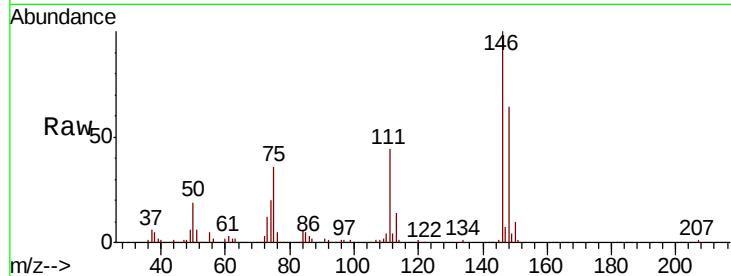




#87
 1,2-Dichlorobenzene
 Concen: 20.236 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062518.D
 Acq: 13 Jul 2020 16:13

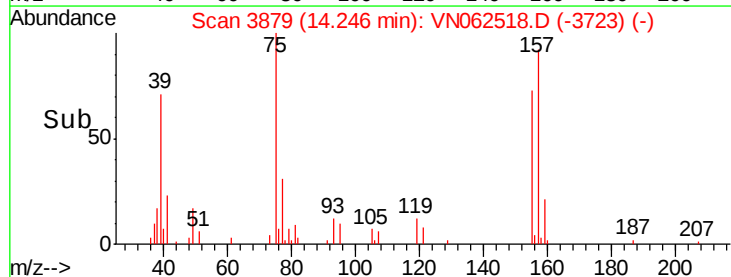
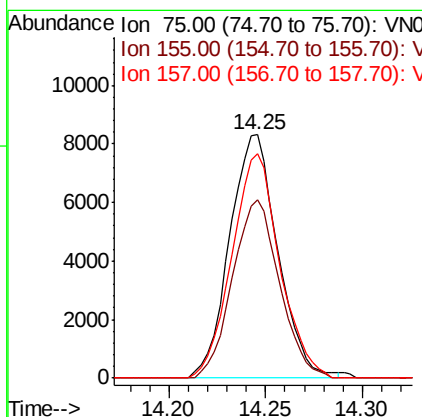
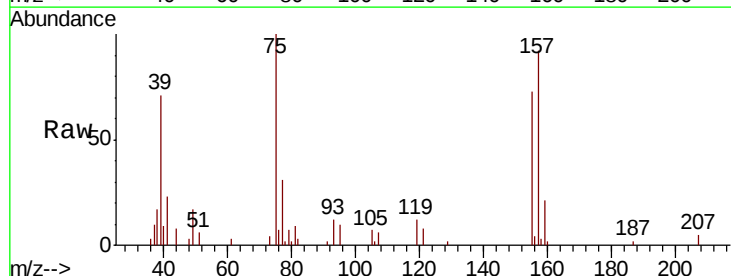
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

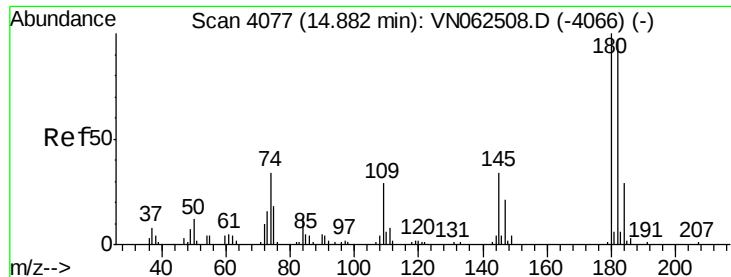
Tot Ion:146 Resp: 96621
 Ion Ratio Lower Upper
 146 100
 111 44.5 22.4 67.0
 148 64.8 32.1 96.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.135 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN062518.D
 Acq: 13 Jul 2020 16:13

Tgt Ion: 75 Resp: 14419
 Ion Ratio Lower Upper
 75 100
 155 71.3 55.7 83.5
 157 91.2 71.0 106.6

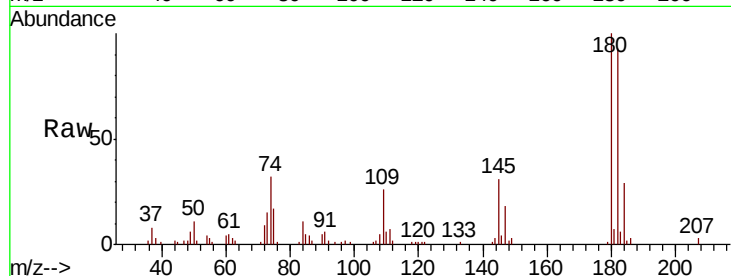




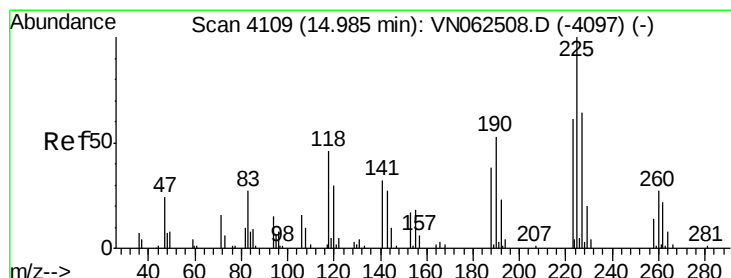
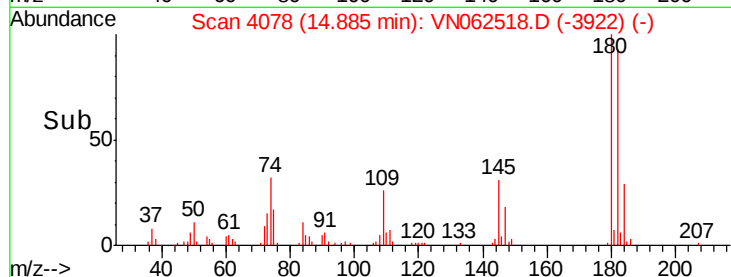
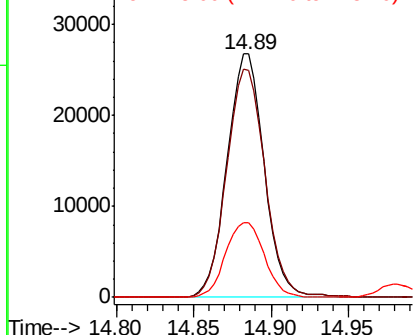
#89
1,2,4-Trichlorobenzene
Concen: 18.745 ug/l
RT: 14.89 min Scan# 4078
Delta R.T. 0.00 min
Lab File: VN062518.D
Acq: 13 Jul 2020 16:13

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020EC

Tot Ion:180 Resp: 44558
Ion Ratio Lower Upper
180 100
182 96.2 77.5 116.3
145 32.0 26.1 39.1

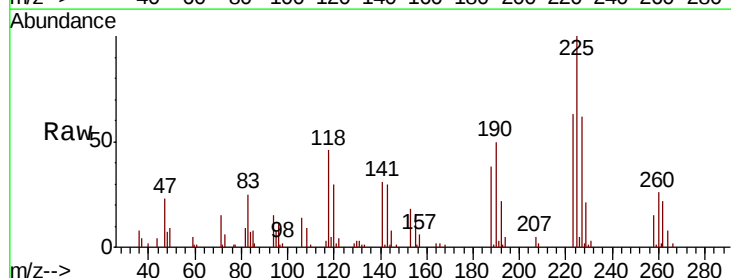


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

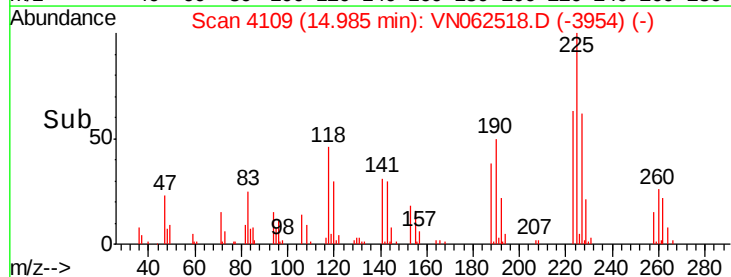
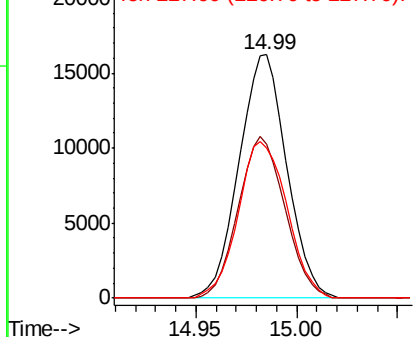


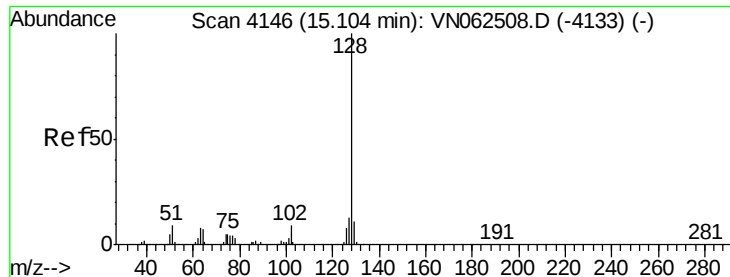
#90
Hexachlorobutadiene
Concen: 20.395 ug/l
RT: 14.99 min Scan# 4109
Delta R.T. -0.00 min
Lab File: VN062518.D
Acq: 13 Jul 2020 16:13

Tgt Ion:225 Resp: 26888
Ion Ratio Lower Upper
225 100
223 65.1 0.0 120.4
227 65.7 0.0 129.6



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: 18.380 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN062518.D

Acq: 13 Jul 2020 16:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

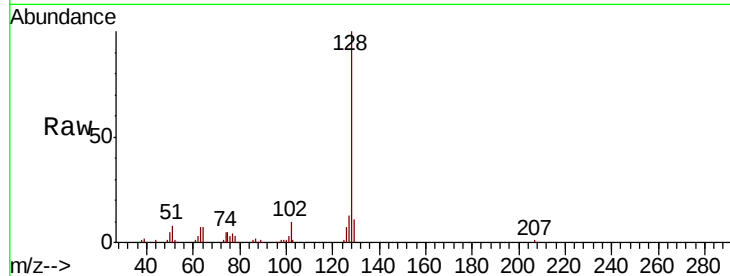
Tot Ion:128 Resp: 118454

Ion Ratio Lower Upper

128 100

127 12.8 10.0 15.0

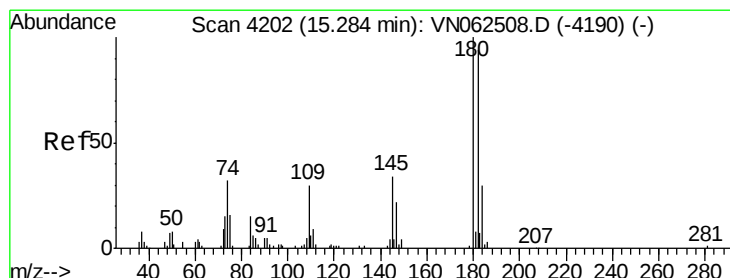
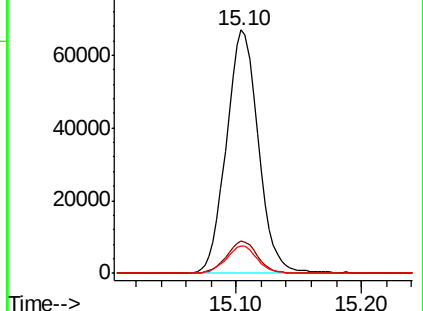
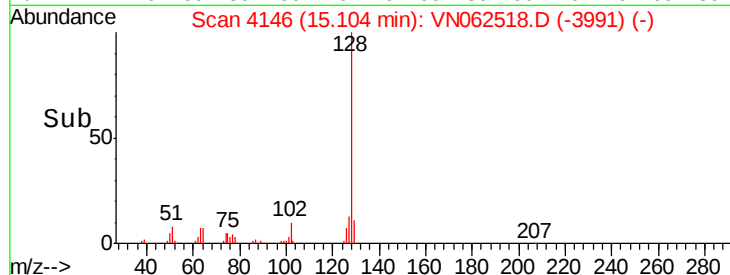
129 10.9 8.8 13.2



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: 19.368 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN062518.D

Acq: 13 Jul 2020 16:13

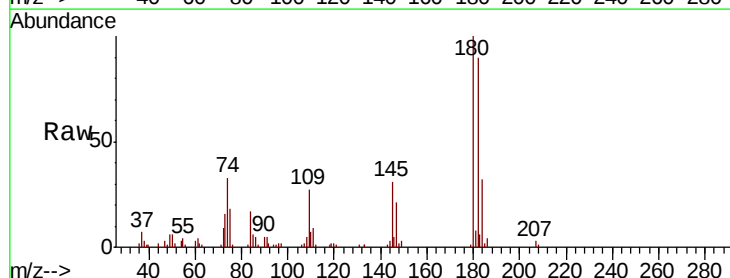
Tgt Ion:180 Resp: 46401

Ion Ratio Lower Upper

180 100

182 93.0 0.0 187.2

145 32.0 0.0 67.8



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

