

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081420\
 Data File : VN062934.D
 Acq On : 14 Aug 2020 11:35
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Quant Time: Aug 14 14:42:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N081420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 14 06:20:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	26534	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	135423	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	131387	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	71561	30.19	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.63%
60) 4-Bromofluorobenzene	12.37	95	67150	29.02	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.73%
63) Toluene-d8	10.06	98	184552	30.04	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.13%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	47536	20.896	ug/l 95
3) Chloromethane	2.03	50	35208	17.869	ug/l 97
4) Vinyl Chloride	2.16	62	36035	17.311	ug/l 99
5) Bromomethane	2.52	94	38624	21.515	ug/l 100
6) Chloroethane	2.66	64	38891	21.544	ug/l 99
7) Trichlorofluoromethane	2.98	101	82209	20.254	ug/l 96
8) Diethyl Ether	3.37	74	16626	18.715	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	27233	20.395	ug/l 97
10) 1,1-Dichloroethene	3.69	96	23545	19.233	ug/l 93
11) Methyl Iodide	3.91	142	31419	18.478	ug/l 95
12) Methyl Acetate	4.28	43	34604	18.663	ug/l 93
13) Acrolein	3.57	56	18024	76.085	ug/l 99
14) Acrylonitrile	4.93	53	73758	91.126	ug/l 98
15) Acetone	3.78	58	20909	96.718	ug/l 95
16) Carbon Disulfide	4.00	76	63003	18.045	ug/l 100
17) Allyl chloride	4.27	41	38619	18.312	ug/l 96
18) Methylene Chloride	4.50	84	30503	19.259	ug/l 90
19) trans-1,2-Dichloroethene	4.98	96	13531	9.897	ug/l 97
20) Diisopropyl ether	5.90	45	92911	18.820	ug/l 94
21) 1,1-Dichloroethane	5.79	63	54559	18.882	ug/l 97
22) cis-1,2-Dichloroethene	6.78	96	32600	19.942	ug/l # 90
23) tert-Butyl Alcohol	4.73	59	31115	89.854	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	98757	18.564	ug/l 100
25) Chloroform	7.33	83	63301	20.190	ug/l 95
26) Cyclohexane	7.61	56	45844	18.740	ug/l # 99
29) 1,1-Dichloropropene	7.75	75	40572	20.311	ug/l 100
30) 2-Butanone	6.79	43	98720	95.731	ug/l # 95
31) 2,2-Dichloropropane	6.77	77	49785	25.029	ug/l 99
32) 1,1,1-Trichloroethane	7.53	97	56265	20.557	ug/l 96
33) Carbon Tetrachloride	7.73	117	50946	20.991	ug/l 97
34) Benzene	8.00	78	119720	19.936	ug/l 95
35) Methacrylonitrile	7.12	41	17884	19.549	ug/l 90
36) 1,2-Dichloroethane	8.09	62	52541	20.144	ug/l 100
37) Trichloroethene	8.80	130	29247	19.635	ug/l 93
38) Methylcyclohexane	9.05	83	47153	19.735	ug/l 98
39) 1,2-Dichloropropane	9.09	63	32416	19.776	ug/l 95
40) Dibromomethane	9.17	93	23261	20.950	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	51098	20.505	ug/l	94
42) Vinyl Acetate	5.84	43	318384	91.341	ug/l	99
43) Ethyl Acetate	6.88	43	38839	19.174	ug/l #	94
44) Isopropyl Acetate	8.13	43	62029	18.752	ug/l	98
45) 1,4-Dioxane	9.17	88	12115	373.979	ug/l #	95
46) Methyl methacrylate	9.17	41	30159	18.232	ug/l	98
47) n-amyl Acetate	12.05	43	51521	17.459	ug/l	98
48) t-1,3-Dichloropropene	10.35	75	50873	19.542	ug/l	99
49) cis-1,3-Dichloropropene	9.81	75	53186	20.331	ug/l	98
50) 1,1,2-Trichloroethane	10.53	97	32982	20.669	ug/l	98
51) Ethyl methacrylate	10.40	69	45359	18.672	ug/l	94
52) 1,3-Dichloropropane	10.68	76	54652	19.822	ug/l	98
53) Dibromochloromethane	10.87	129	39916	20.926	ug/l	100
54) 1,2-Dibromoethane	10.98	107	33396	20.451	ug/l	96
55) 2-Chloroethyl vinyl ether	9.66	63	49844	84.787	ug/l	97
56) Bromoform	12.10	173	27077	19.999	ug/l	95
58) 4-Methyl-2-Pentanone	9.95	43	209730	91.736	ug/l	99
59) 2-Hexanone	10.72	43	150824	90.350	ug/l	98
61) Tetrachloroethene	10.60	164	27892	20.534	ug/l	95
62) Toluene	10.12	91	133536	19.276	ug/l	98
64) Chlorobenzene	11.41	112	83978	19.324	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.48	131	34645	19.279	ug/l	98
66) Ethyl Benzene	11.48	91	147302	19.100	ug/l	99
67) m/p-Xylenes	11.60	106	114599	40.142	ug/l	98
68) o-Xylene	11.92	106	52181	19.040	ug/l	99
69) Styrene	11.94	104	93387	19.191	ug/l	99
70) Isopropylbenzene	12.22	105	151123	19.377	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.48	83	49954	19.459	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	64805	25.491	ug/l	77
73) Bromobenzene	12.50	156	38389	20.075	ug/l	94
74) n-propylbenzene	12.56	91	173418	19.269	ug/l	98
75) 2-Chlorotoluene	12.65	91	109192	19.326	ug/l	98
76) 1,3,5-Trimethylbenzene	12.71	105	134902	19.454	ug/l	100
77) t-1,4-Dichloro-2-butene	12.27	75	14807	18.087	ug/l	92
78) 4-Chlorotoluene	12.75	91	110512	19.231	ug/l	99
79) tert-butylbenzene	12.97	119	108770	18.990	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	127934	18.878	ug/l	99
81) sec-Butylbenzene	13.15	105	142995	18.910	ug/l	100
82) p-Isopropyltoluene	13.26	119	129339	19.130	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	65305	19.488	ug/l	97
84) 1,4-Dichlorobenzene	13.34	146	64092	19.480	ug/l	96
85) n-Butylbenzene	13.59	91	95634	16.593	ug/l	98
86) Hexachloroethane	13.85	117	27166	18.547	ug/l	97
87) 1,2-Dichlorobenzene	13.63	146	62859	18.174	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.25	75	10863	17.942	ug/l	96
89) 1,2,4-Trichlorobenzene	14.89	180	27384	17.190	ug/l	100
90) Hexachlorobutadiene	14.98	225	23542	22.120	ug/l	93
91) Naphthalene	15.10	128	63299	14.678	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	27801	17.428	ug/l	95

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QLast Update : Fri Aug 14 06:20:27 2020
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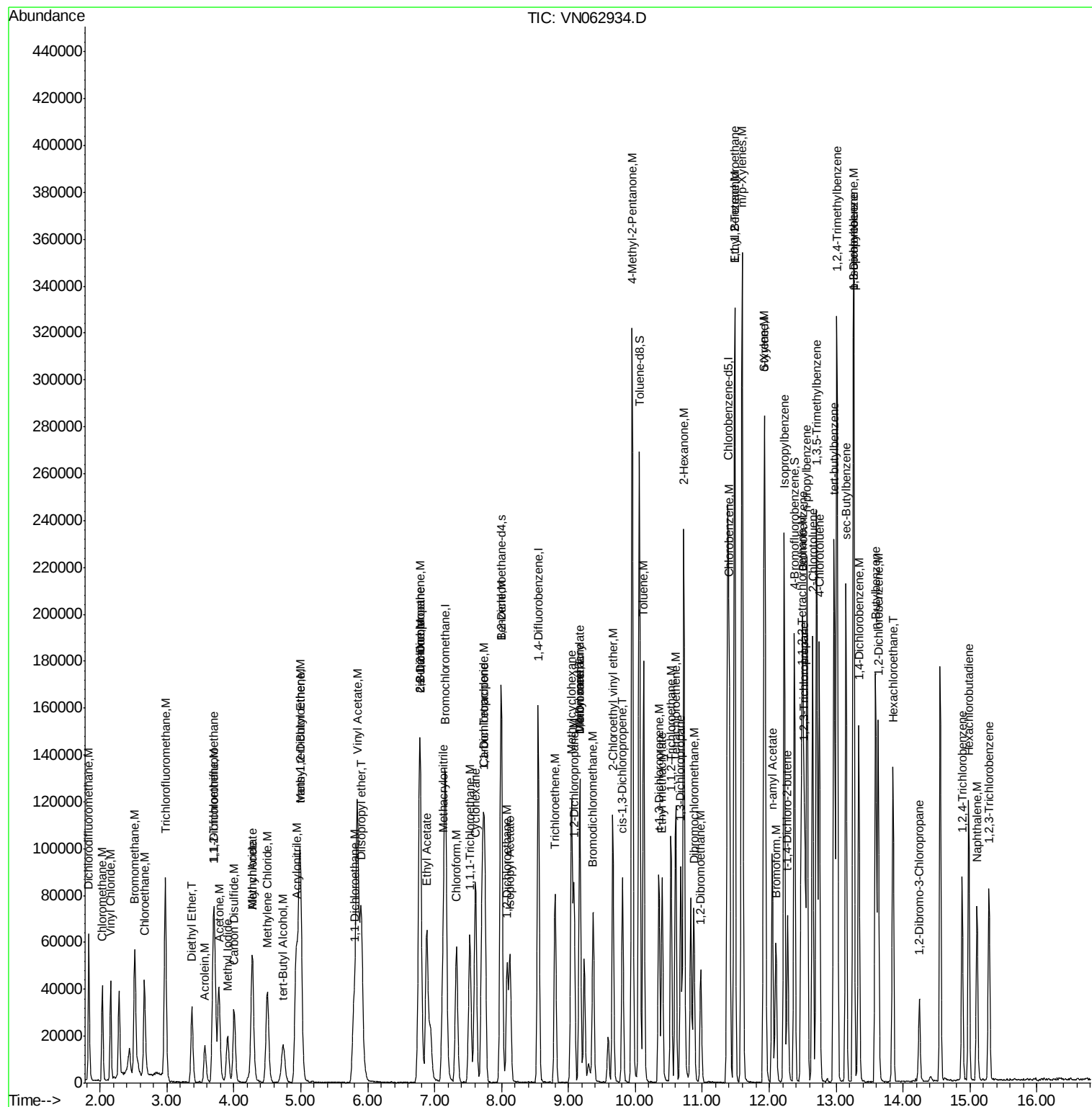
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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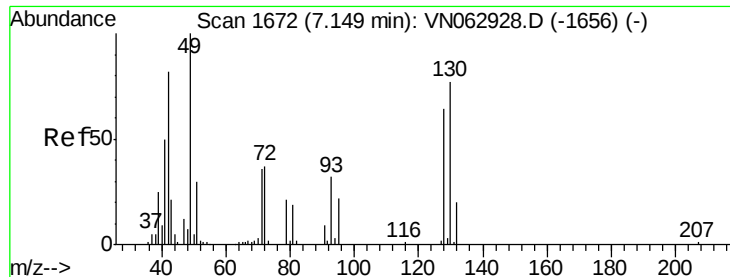
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 MSVOA_X
 ClientSampleId :
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Quant Time: Aug 14 14:42:46 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\624N081420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 14 06:20:27 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: VN062934.D

Acq: 14 Aug 2020 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

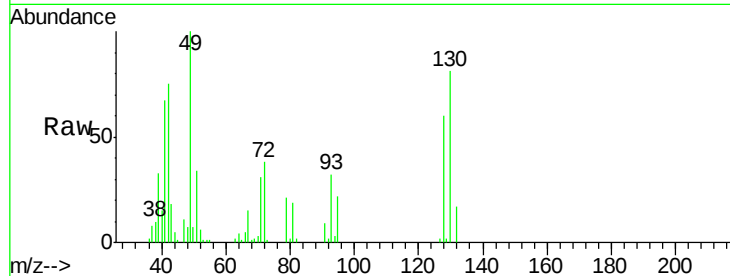
Tgt Ion:128 Resp: 26534

Ion Ratio Lower Upper

128 100

49 161.0 0.0 410.0

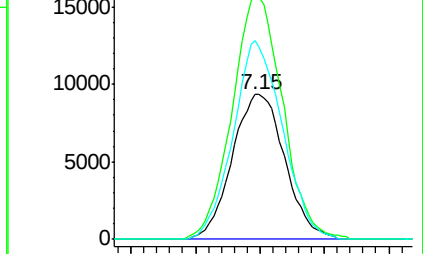
130 128.8 0.0 316.5



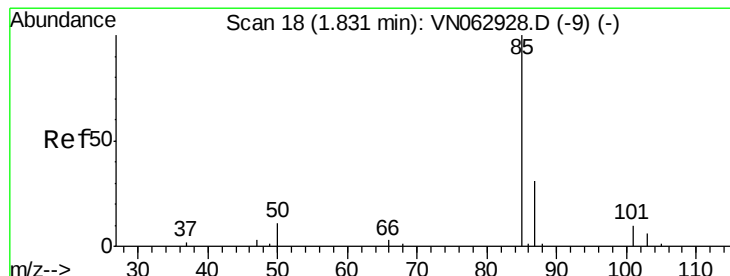
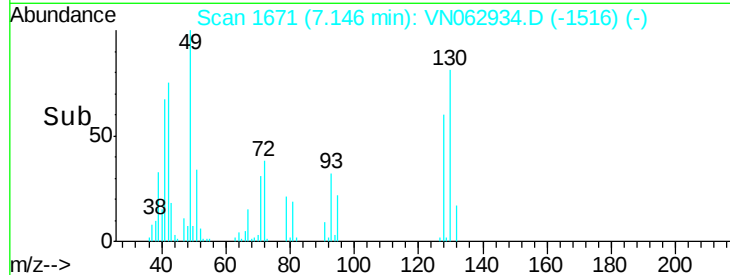
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 20.896 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062934.D

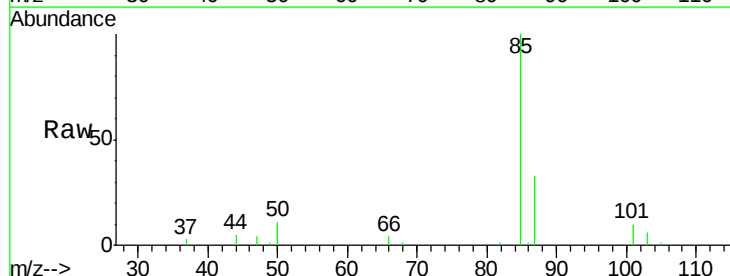
Acq: 14 Aug 2020 11:35

Tgt Ion: 85 Resp: 47536

Ion Ratio Lower Upper

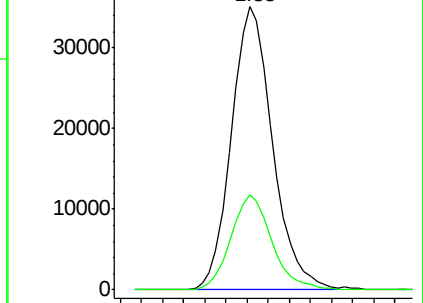
85 100

87 33.5 15.4 46.2

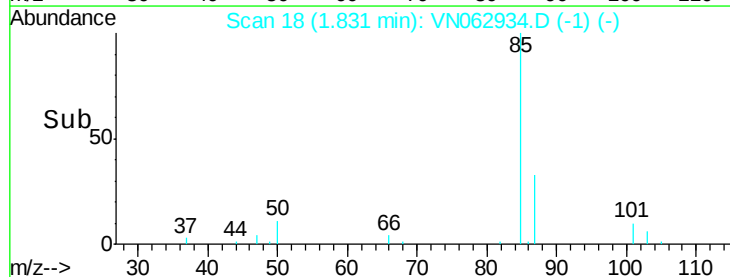


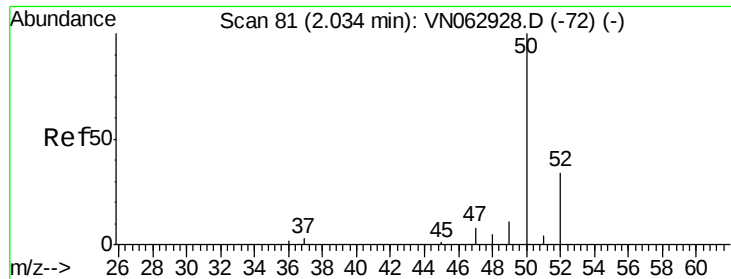
Abundance Ion 85.00 (84.70 to 85.70): V

Ion 87.00 (86.70 to 87.70): V



Time-->





#3

Chloromethane

Concen: 17.869 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062934.D

Acq: 14 Aug 2020 11:35

Instrument :

MSVOA_X

ClientSampleId :

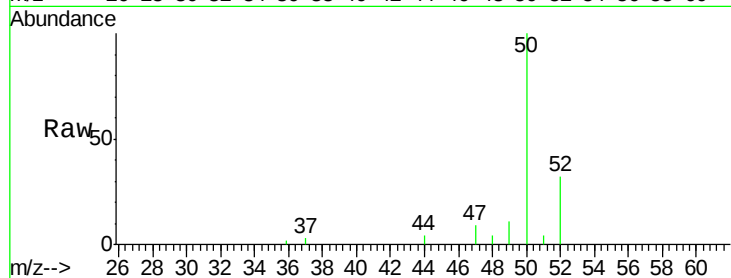
VSTDCCC020

Tgt Ion: 50 Resp: 35208

Ion Ratio Lower Upper

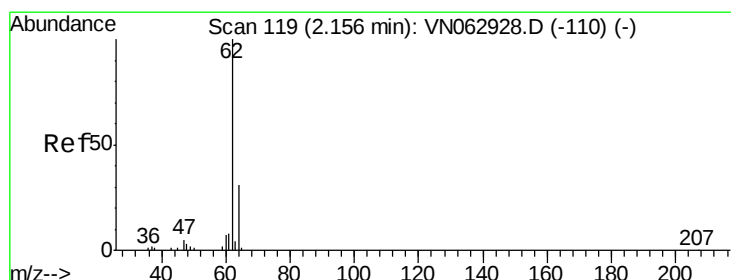
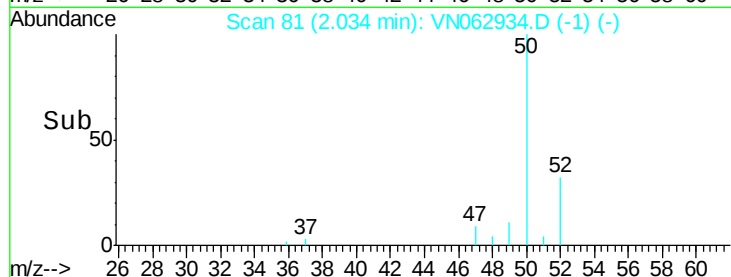
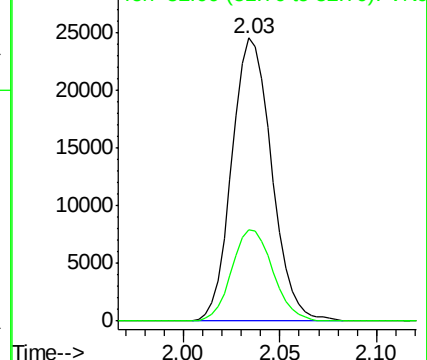
50 100

52 32.5 27.1 40.7



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 17.311 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062934.D

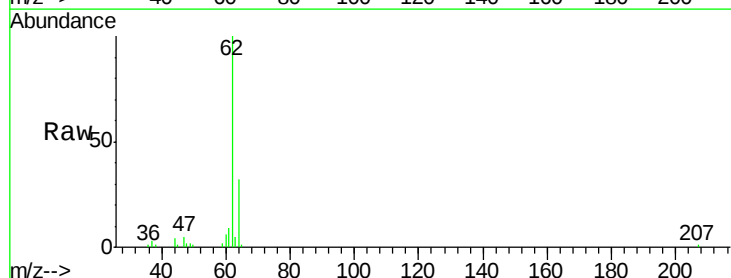
Acq: 14 Aug 2020 11:35

Tgt Ion: 62 Resp: 36035

Ion Ratio Lower Upper

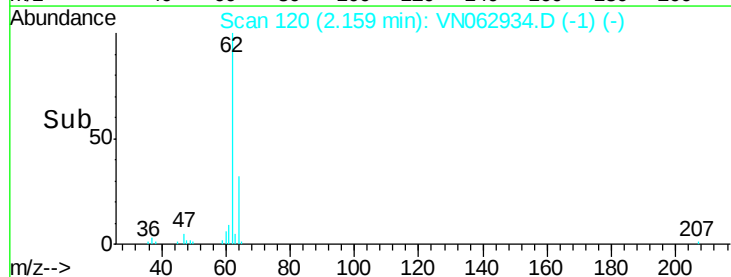
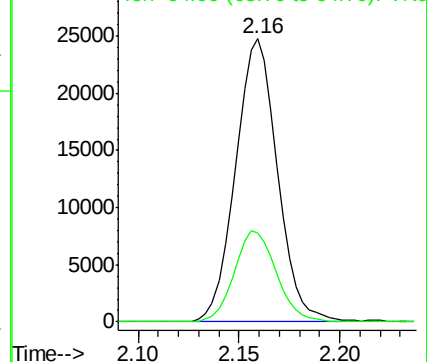
62 100

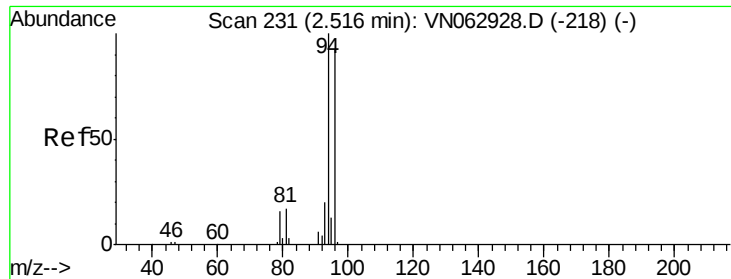
64 31.6 24.6 37.0



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 21.515 ug/l

RT: 2.52 min Scan# 232

Delta R.T. 0.00 min

Lab File: VN062934.D

Acq: 14 Aug 2020 11:35

Instrument :

MSVOA_X

ClientSampleId :

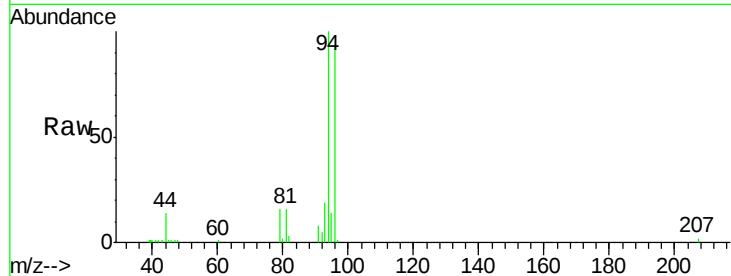
VSTDCCC020

Tgt Ion: 94 Resp: 38624

Ion Ratio Lower Upper

94 100

96 92.3 73.7 110.5



Abundance Ion 94.00 (93.70 to 94.70): VN062928.D (-218) (-)

Ion 96.00 (95.70 to 96.70): VN062928.D (-218) (-)

20000

15000

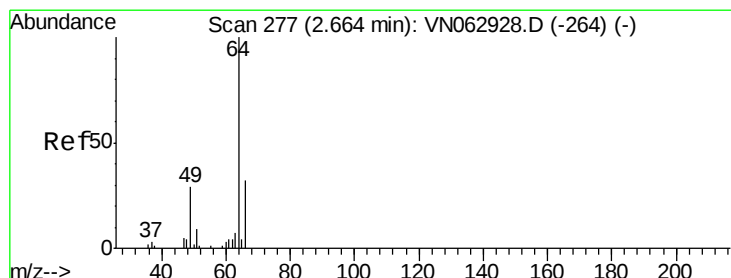
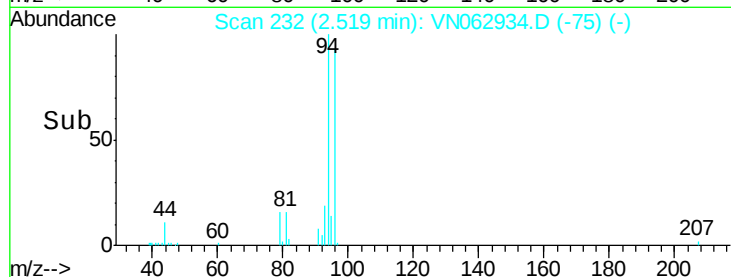
10000

5000

0

2.45 2.50 2.55 2.60

Time-->



#6

Chloroethane

Concen: 21.544 ug/l

RT: 2.66 min Scan# 276

Delta R.T. -0.00 min

Lab File: VN062934.D

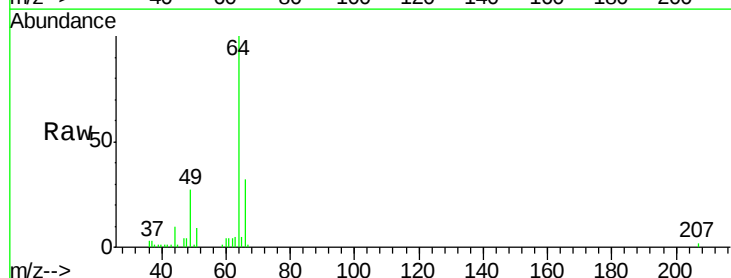
Acq: 14 Aug 2020 11:35

Tgt Ion: 64 Resp: 38891

Ion Ratio Lower Upper

64 100

66 32.0 25.3 37.9



Abundance Ion 64.00 (63.70 to 64.70): VN062928.D (-264) (-)

Ion 66.00 (65.70 to 66.70): VN062928.D (-264) (-)

20000

15000

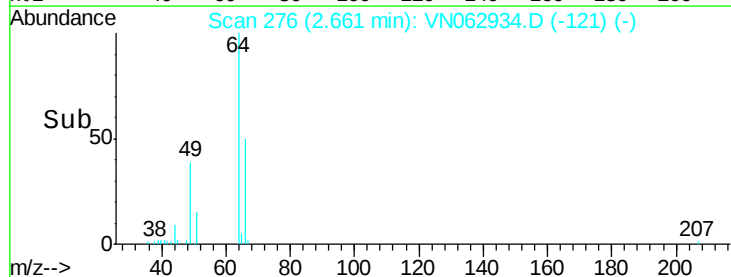
10000

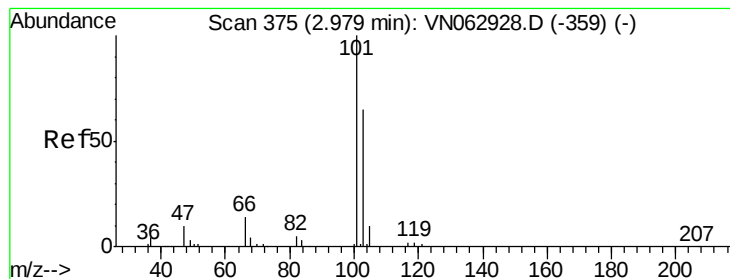
5000

0

2.60 2.65 2.70 2.75

Time-->



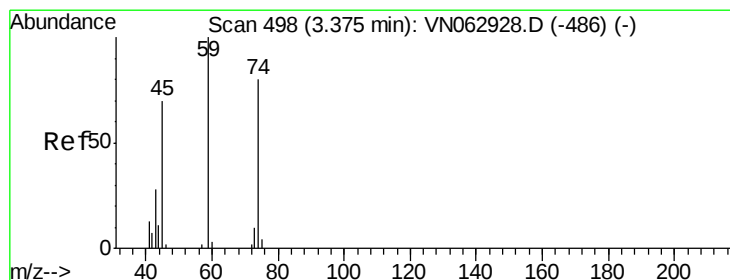
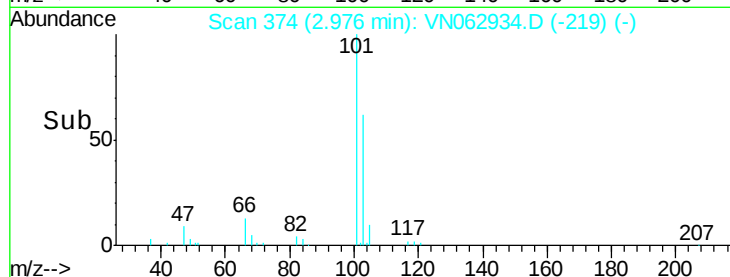
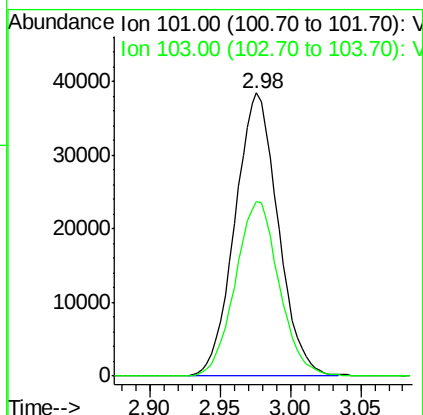
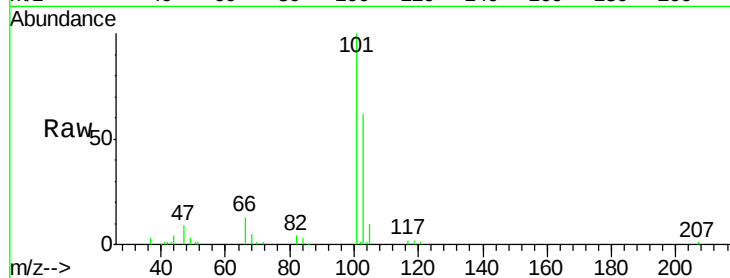


#7

Trichlorofluoromethane
 Concen: 20.254 ug/l
 RT: 2.98 min Scan# 374
 Delta R.T. -0.00 min
 Lab File: VN062934.D
 Acq: 14 Aug 2020 11:35

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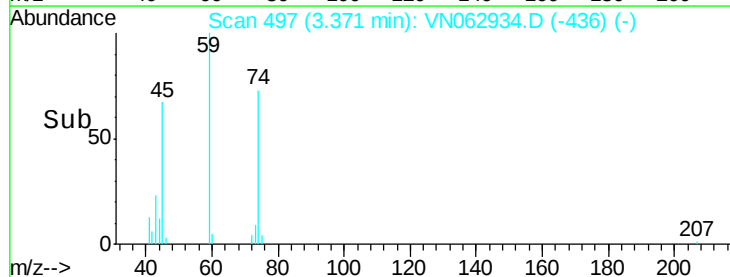
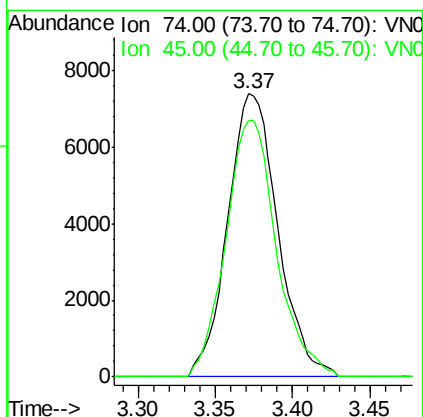
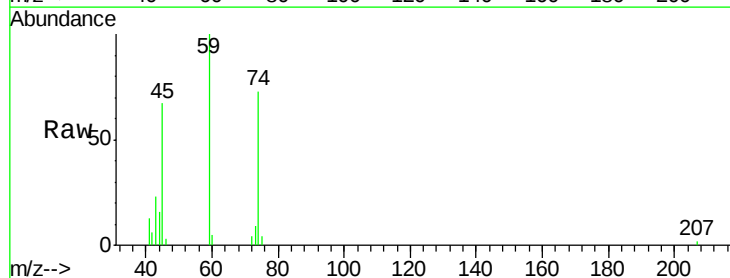
Tgt Ion: 101 Resp: 82209
 Ion Ratio Lower Upper
 101 100
 103 61.6 51.8 77.6

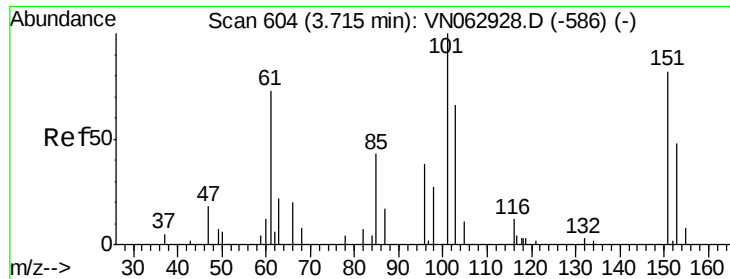


#8

Diethyl Ether
 Concen: 18.715 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN062934.D
 Acq: 14 Aug 2020 11:35

Tgt Ion: 74 Resp: 16626
 Ion Ratio Lower Upper
 74 100
 45 91.5 18.7 167.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.395 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN062934.D

Acq: 14 Aug 2020 11:35

Instrument :

MSVOA_X

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VSTDCCC020

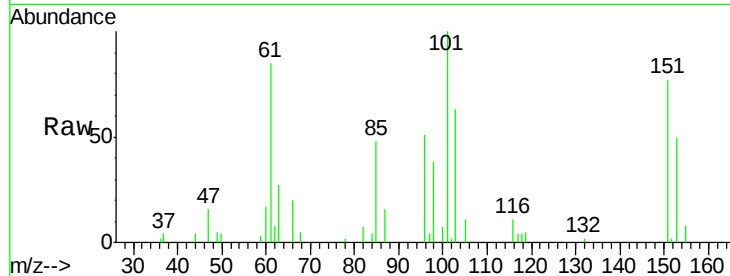
Tgt Ion:101 Resp: 27233

Ion Ratio Lower Upper

101 100

85 46.1 0.0 92.4

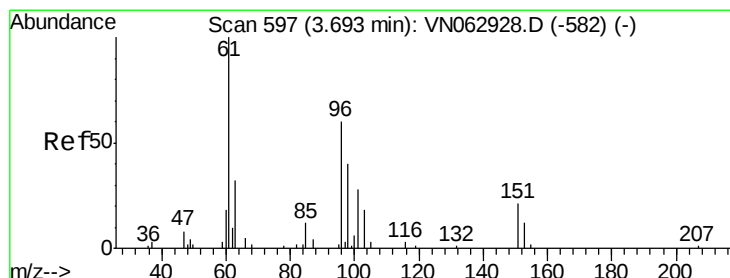
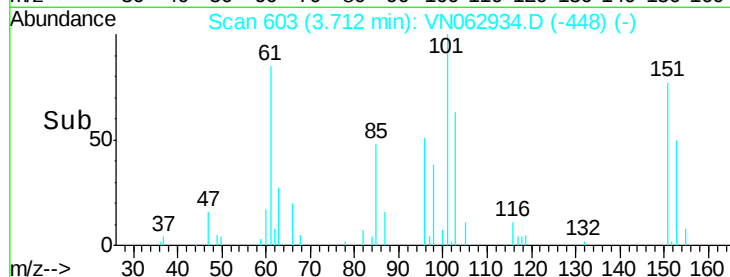
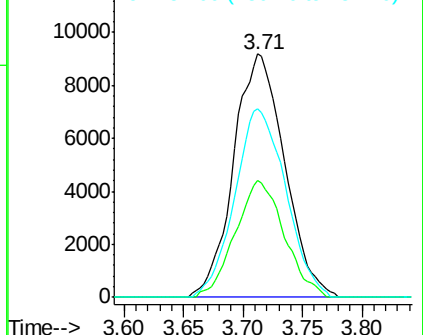
151 77.5 0.0 162.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.233 ug/l

RT: 3.69 min Scan# 596

Delta R.T. -0.00 min

Lab File: VN062934.D

Acq: 14 Aug 2020 11:35

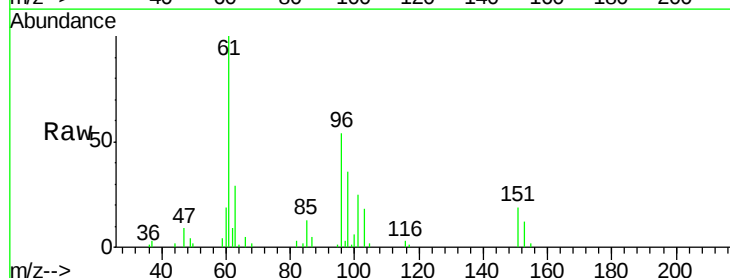
Tgt Ion: 96 Resp: 23545

Ion Ratio Lower Upper

96 100

61 181.8 134.5 201.7

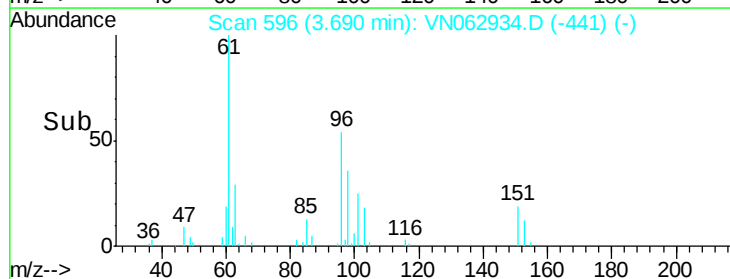
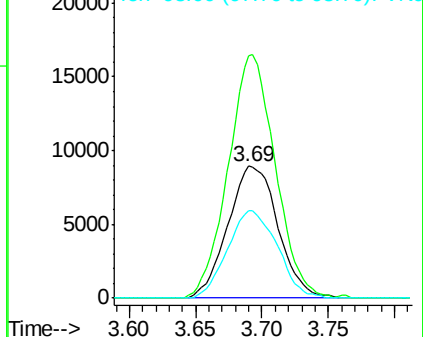
98 66.6 53.3 79.9

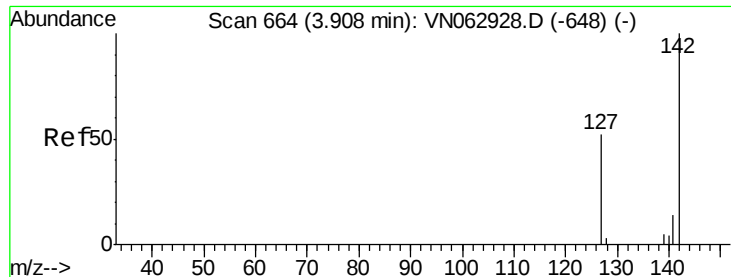


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

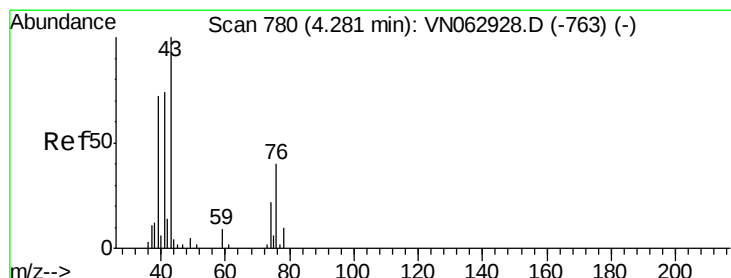
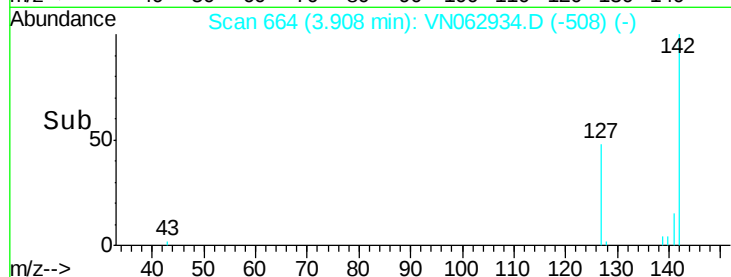
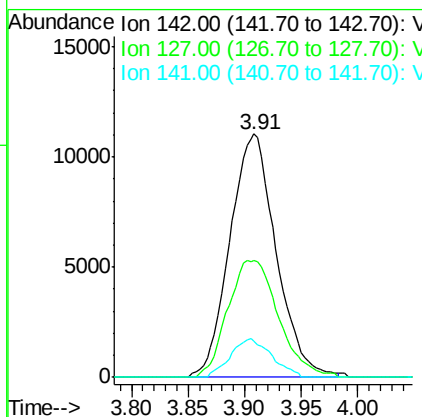
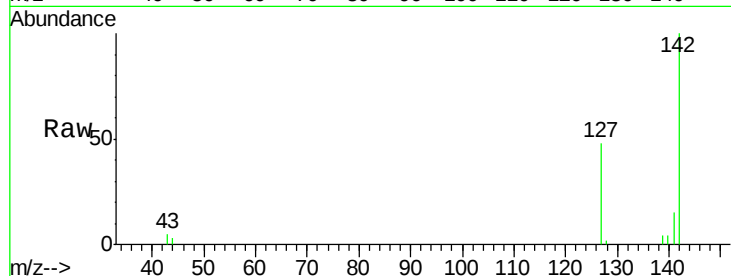




#11
Methyl Iodide
Concen: 18.478 ug/l
RT: 3.91 min Scan# 664
Delta R.T. 0.00 min
Lab File: VN062934.D
Acq: 14 Aug 2020 11:35

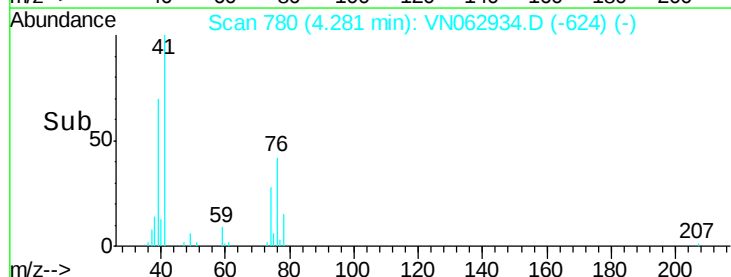
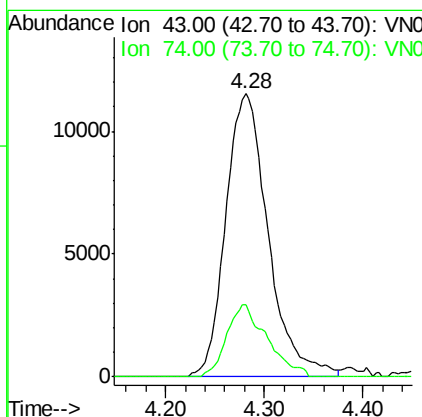
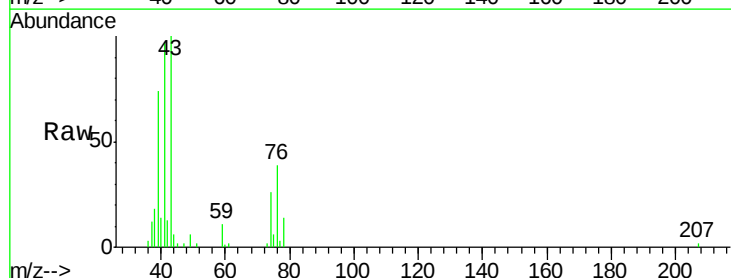
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

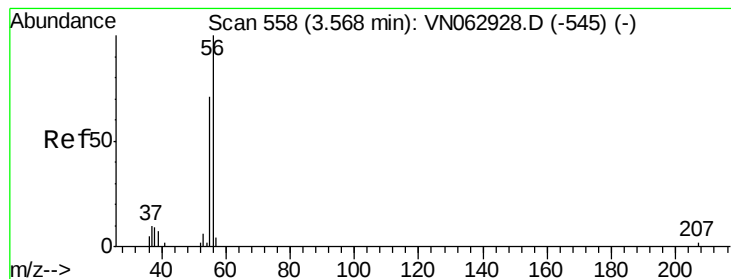
Tgt Ion:142 Resp: 31419
Ion Ratio Lower Upper
142 100
127 48.2 26.1 78.3
141 15.1 7.2 21.7



#12
Methyl Acetate
Concen: 18.663 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.00 min
Lab File: VN062934.D
Acq: 14 Aug 2020 11:35

Tgt Ion: 43 Resp: 34604
Ion Ratio Lower Upper
43 100
74 25.9 18.1 27.1





#13

Acrolein

Concen: 76.085 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062934.D

Acq: 14 Aug 2020 11:35

Instrument :

MSVOA_X

ClientSampleId :

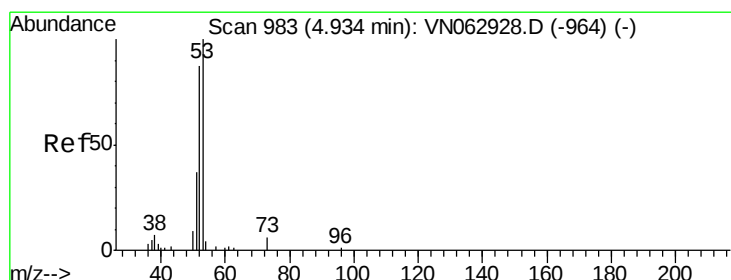
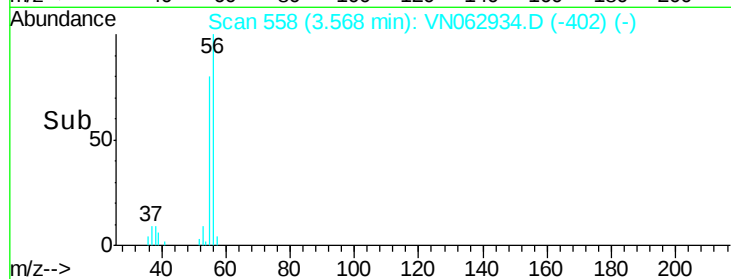
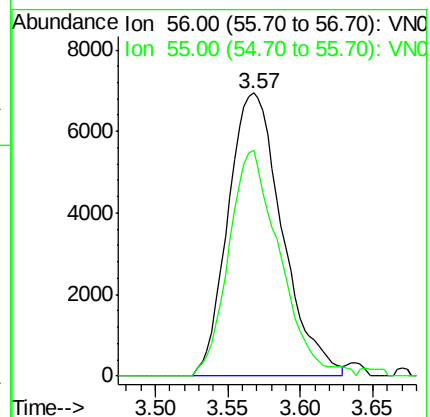
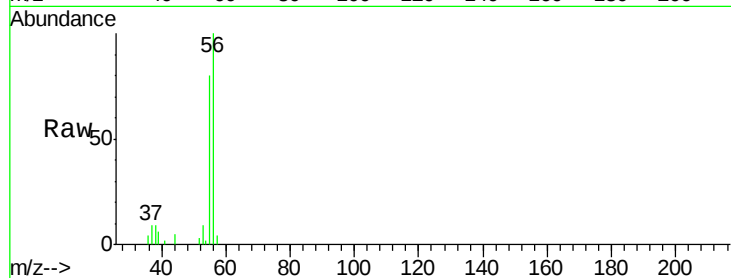
VSTDCCC020

Tgt Ion: 56 Resp: 18024

Ion Ratio Lower Upper

56 100

55 74.2 60.2 90.4



#14

Acrylonitrile

Concen: 91.126 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.01 min

Lab File: VN062934.D

Acq: 14 Aug 2020 11:35

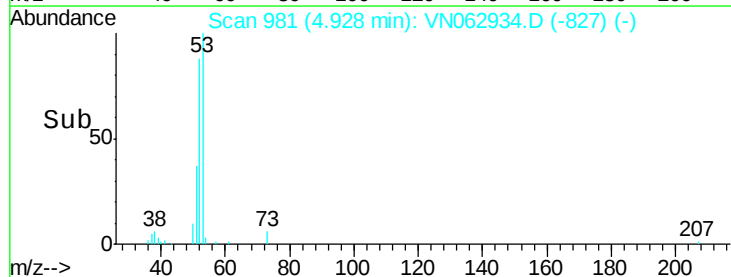
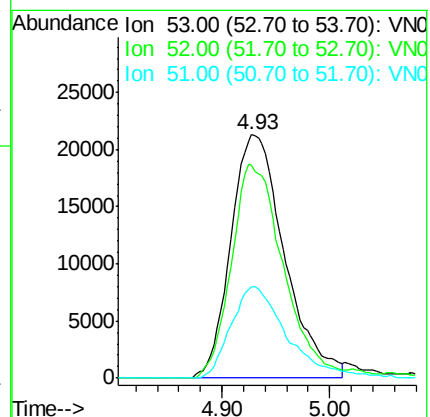
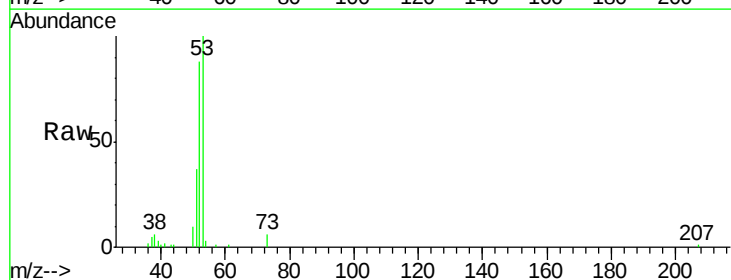
Tgt Ion: 53 Resp: 73758

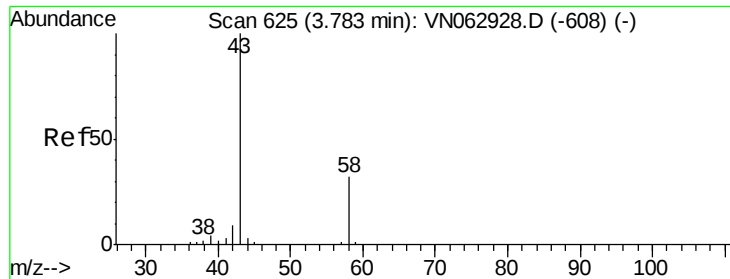
Ion Ratio Lower Upper

53 100

52 84.8 43.1 129.4

51 39.3 19.1 57.1





#15

Acetone

Concen: 96.718 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.01 min

Lab File: VN062934.D

Acq: 14 Aug 2020 11:35

Instrument :

MSVOA_X

ClientSampleId :

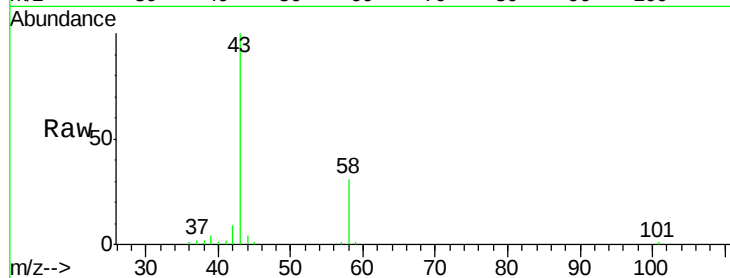
VSTDCCC020

Tgt Ion: 58 Resp: 20909

Ion Ratio Lower Upper

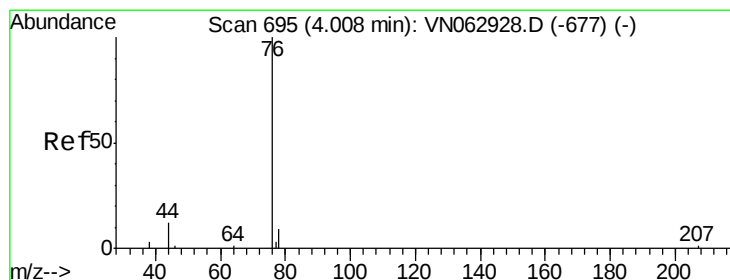
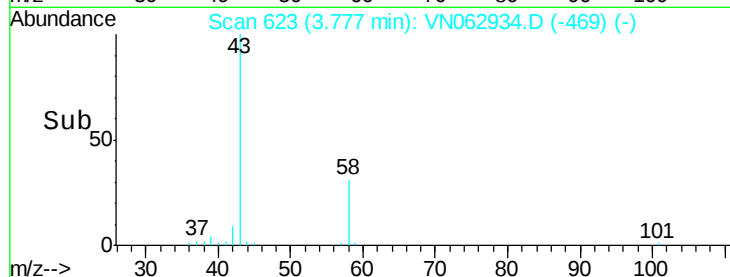
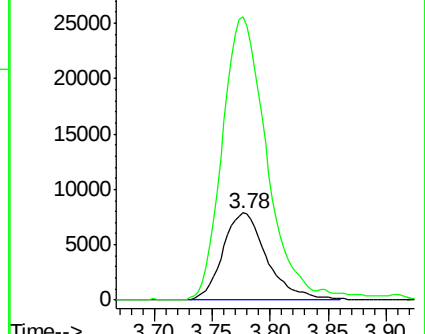
58 100

43 322.2 250.0 375.0



Abundance Ion 58.00 (57.70 to 58.70): VN062928.D (-608) (-)

Ion 43.00 (42.70 to 43.70): VN062928.D (-608) (-)



#16

Carbon Disulfide

Concen: 18.045 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN062934.D

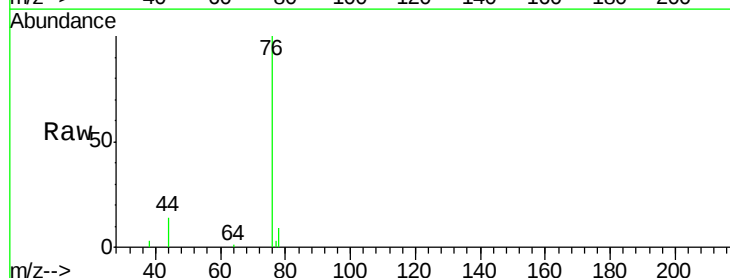
Acq: 14 Aug 2020 11:35

Tgt Ion: 76 Resp: 63003

Ion Ratio Lower Upper

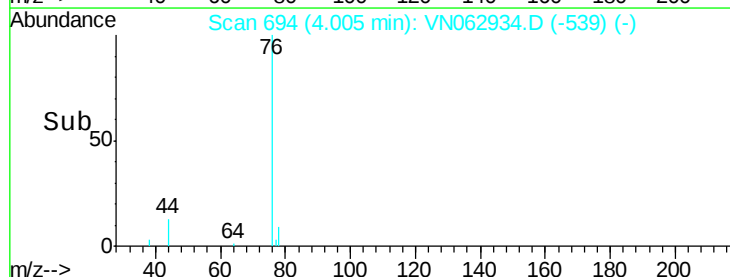
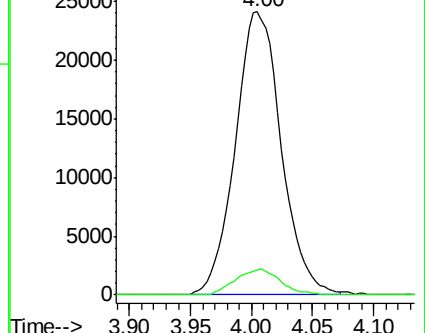
76 100

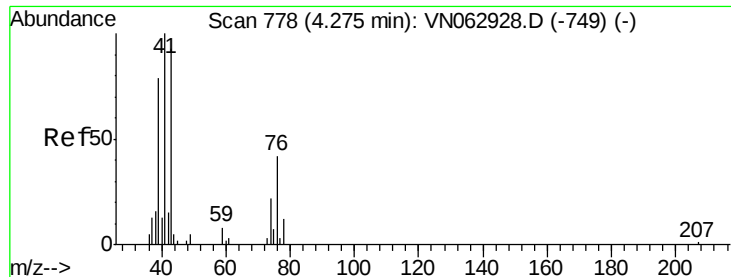
78 9.0 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VN062928.D (-677) (-)

Ion 78.00 (77.70 to 78.70): VN062928.D (-677) (-)

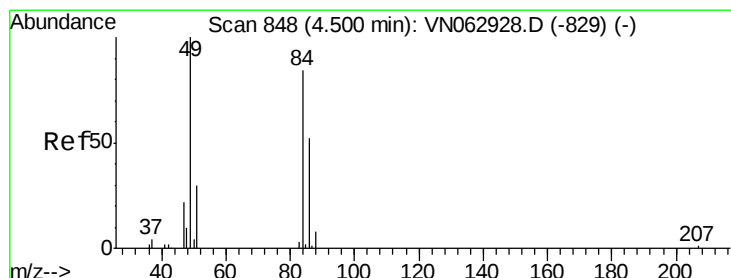
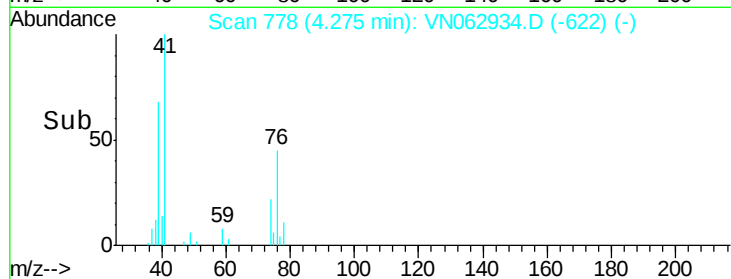
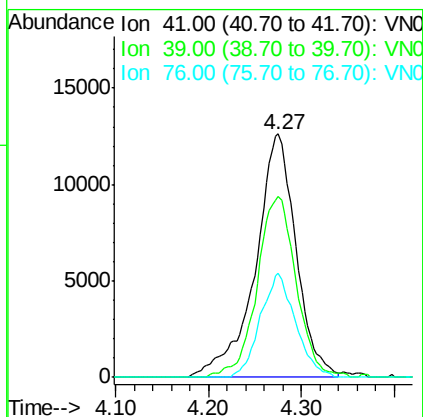
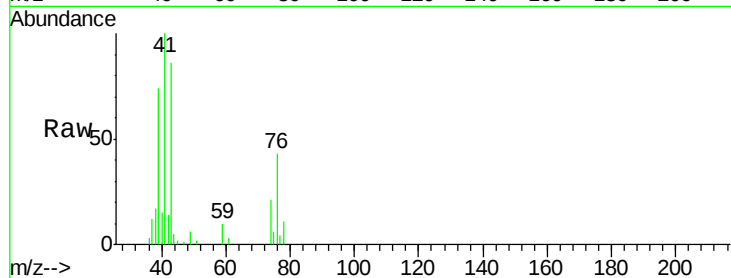




#17
 Allyl chloride
 Concen: 18.312 ug/l
 RT: 4.27 min Scan# 778
 Delta R.T. 0.00 min
 Lab File: VN062934.D
 Acq: 14 Aug 2020 11:35

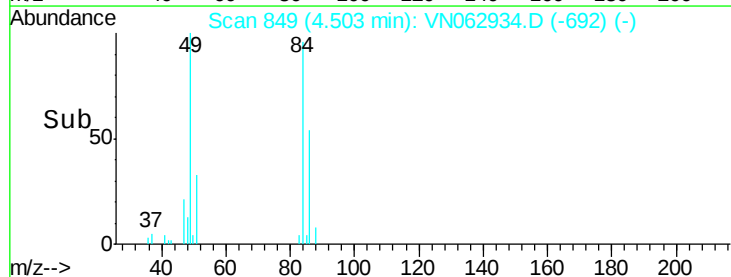
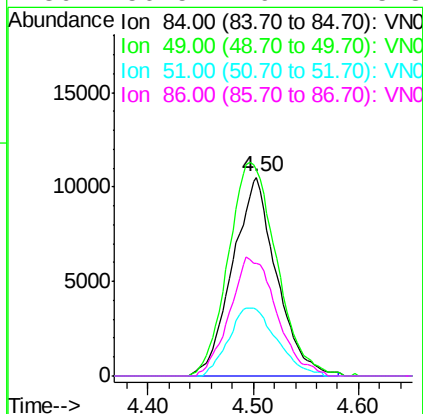
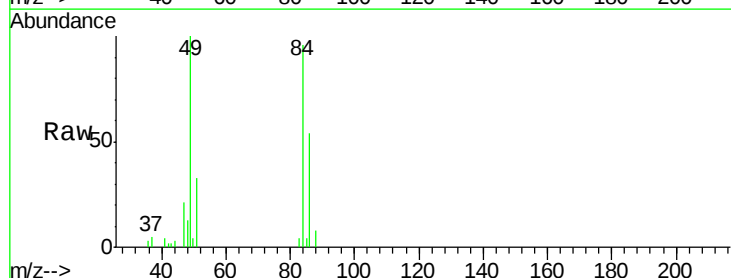
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

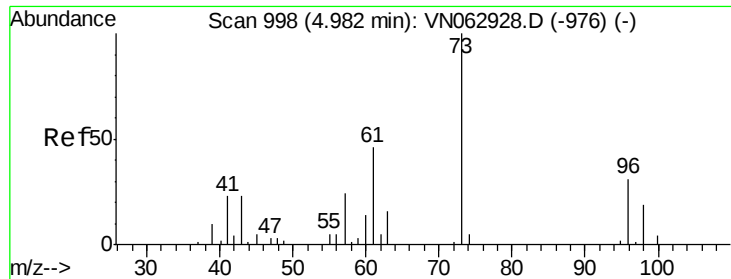
Tgt Ion: 41 Resp: 38619
 Ion Ratio Lower Upper
 41 100
 39 74.3 39.6 118.7
 76 42.7 21.3 63.7



#18
 Methylene Chloride
 Concen: 19.259 ug/l
 RT: 4.50 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VN062934.D
 Acq: 14 Aug 2020 11:35

Tgt Ion: 84 Resp: 30503
 Ion Ratio Lower Upper
 84 100
 49 103.8 95.0 142.6
 51 33.8 28.2 42.4
 86 56.5 49.2 73.8

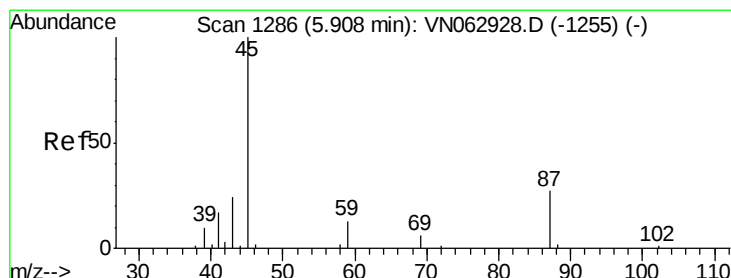
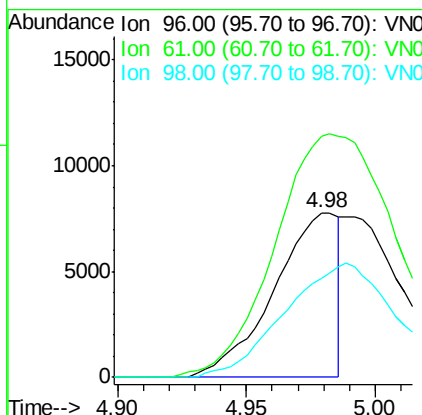
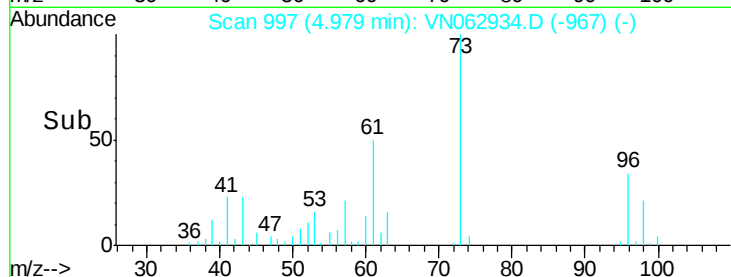
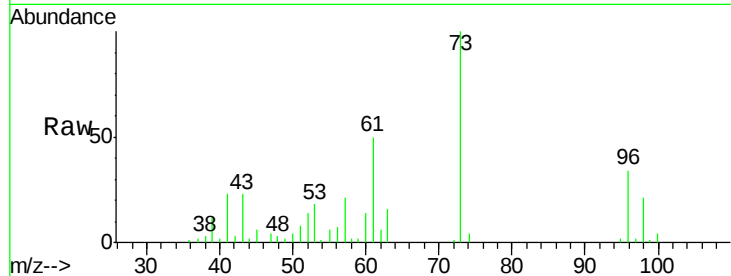




#19
trans-1,2-Dichloroethene
Concen: 9.897 ug/l
RT: 4.98 min Scan# 997
Delta R.T. -0.00 min
Lab File: VN062934.D
Acq: 14 Aug 2020 11:35

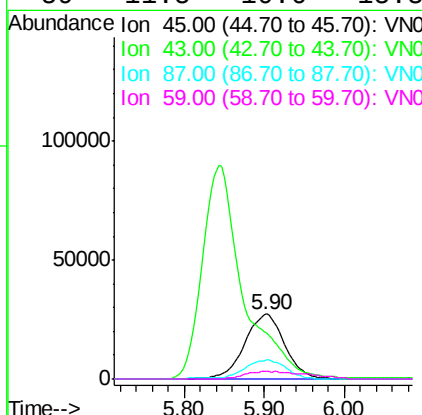
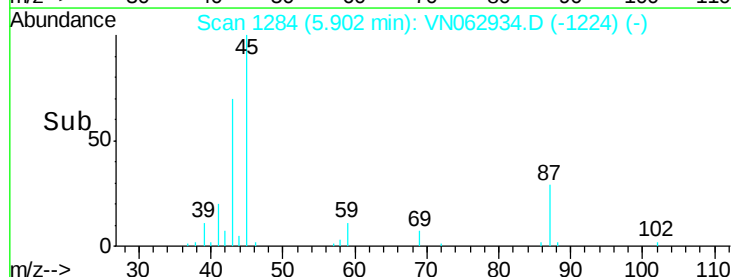
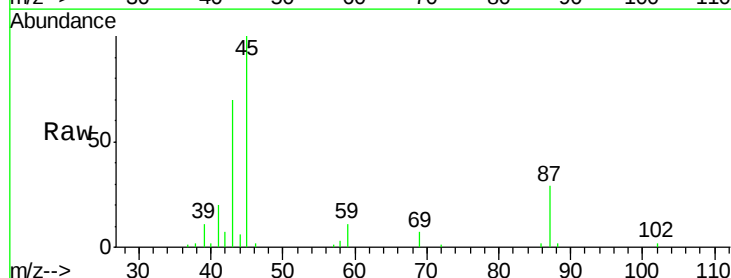
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

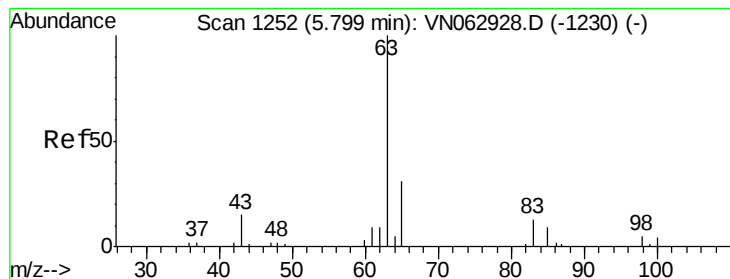
Tgt Ion: 96 Resp: 13531
Ion Ratio Lower Upper
96 100
61 143.1 118.0 177.0
98 60.3 48.7 73.1



#20
Diisopropyl ether
Concen: 18.820 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. -0.01 min
Lab File: VN062934.D
Acq: 14 Aug 2020 11:35

Tgt Ion: 45 Resp: 92911
Ion Ratio Lower Upper
45 100
43 66.9 48.6 72.8
87 28.6 22.6 34.0
59 11.5 10.6 15.8





#21

1,1-Dichloroethane

Concen: 18.882 ug/l

RT: 5.79 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VN062934.D

Acq: 14 Aug 2020 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

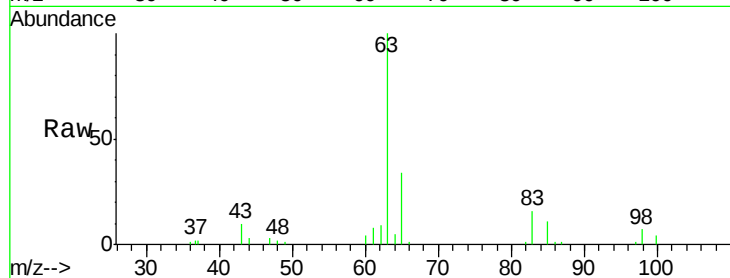
Tgt Ion: 63 Resp: 54559

Ion Ratio Lower Upper

63 100

98 7.1 2.6 7.8

100 4.4 2.1 6.5

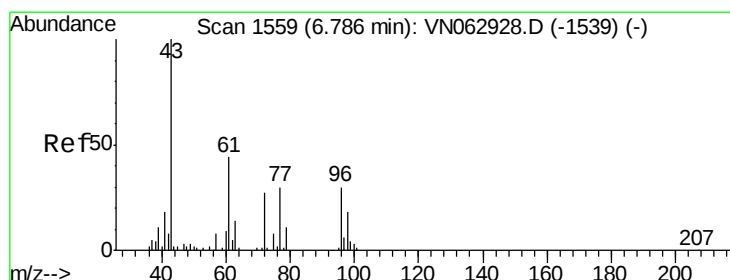
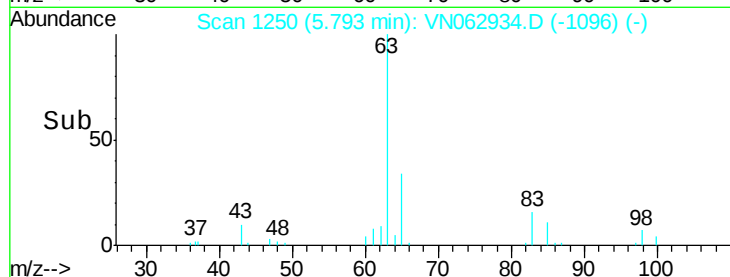


Abundance Ion 63.00 (62.70 to 63.70): VN062928.D (-1230) (-)

Ion 98.00 (97.70 to 98.70): VN062928.D (-1230) (-)

Ion 100.00 (99.70 to 100.70): VN062928.D (-1230) (-)

Time-->



#22

cis-1,2-Dichloroethene

Concen: 19.942 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VN062934.D

Acq: 14 Aug 2020 11:35

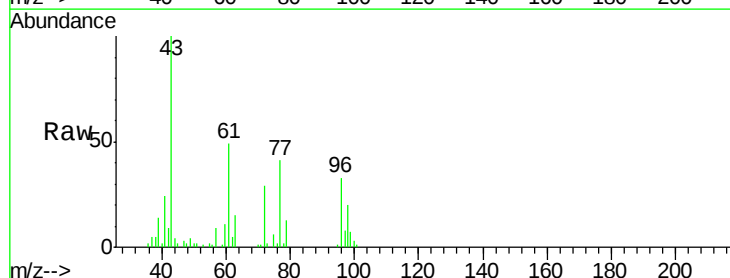
Tgt Ion: 96 Resp: 32600

Ion Ratio Lower Upper

96 100

61 153.2 124.9 187.3

98 61.7 27.8 41.6#

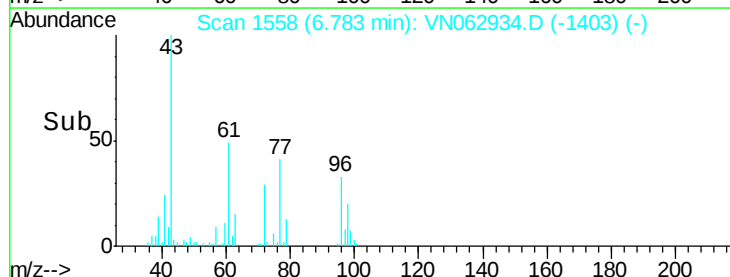


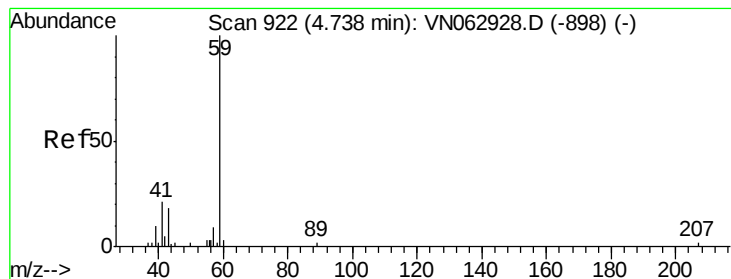
Abundance Ion 96.00 (95.70 to 96.70): VN062928.D (-1539) (-)

Ion 61.00 (60.70 to 61.70): VN062928.D (-1539) (-)

Ion 98.00 (97.70 to 98.70): VN062928.D (-1539) (-)

Time-->





#23

tert-Butyl Alcohol

Concen: 89.854 ug/l

RT: 4.73 min Scan# 920

Delta R.T. -0.01 min

Lab File: VN062934.D

Acq: 14 Aug 2020 11:35

Instrument :

MSVOA_X

ClientSampleId :

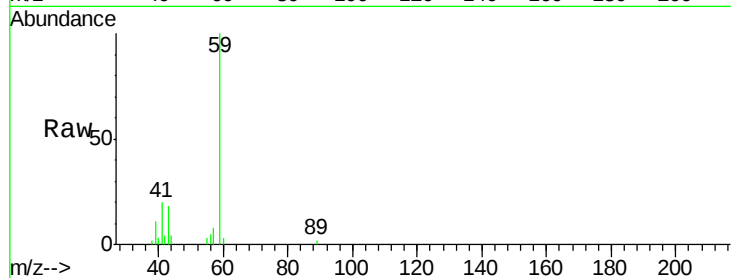
VSTDCCC020

Tgt Ion: 59 Resp: 31115

Ion Ratio Lower Upper

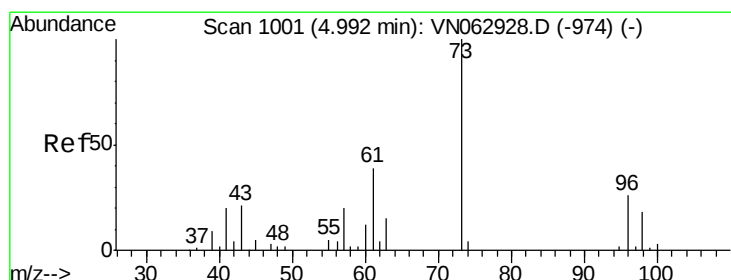
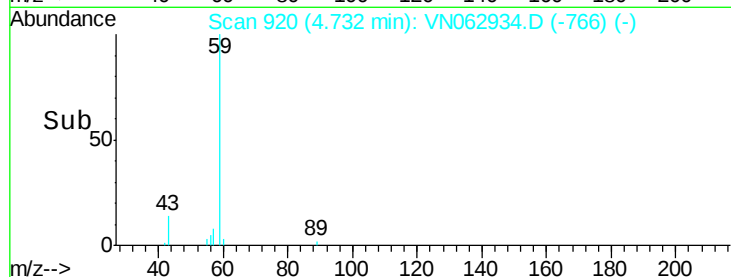
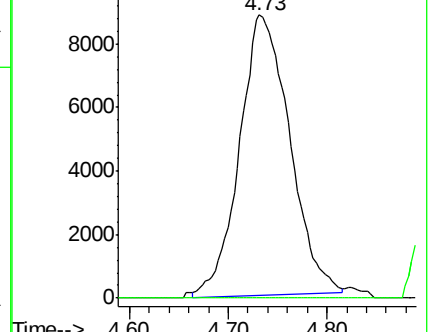
59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN062928.D (-898) (-)

Ion 52.00 (51.70 to 52.70): VN062928.D (-898) (-)



#24

Methyl tert-Butyl Ether

Concen: 18.564 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN062934.D

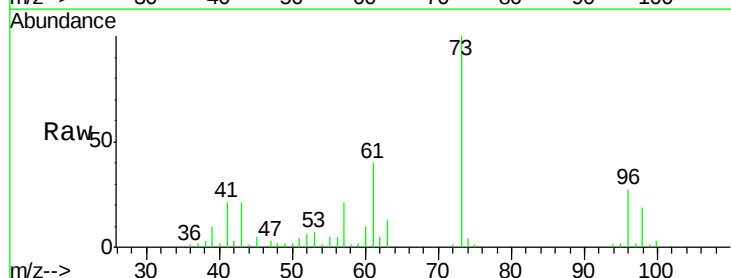
Acq: 14 Aug 2020 11:35

Tgt Ion: 73 Resp: 98757

Ion Ratio Lower Upper

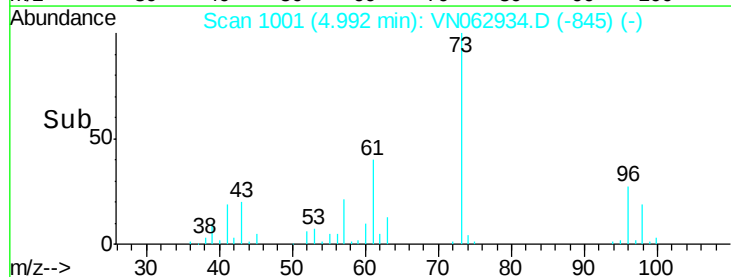
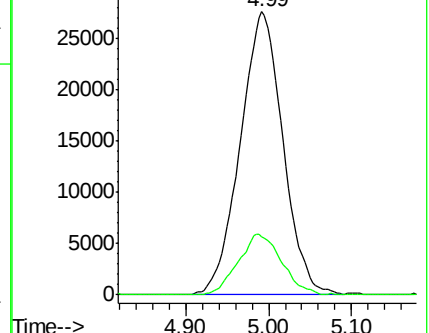
73 100

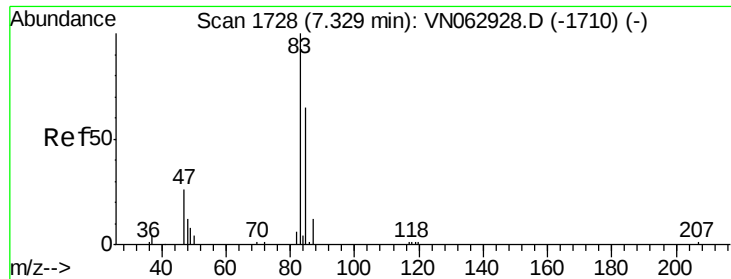
43 21.7 17.3 25.9



Abundance Ion 73.00 (72.70 to 73.70): VN062928.D (-974) (-)

Ion 43.00 (42.70 to 43.70): VN062928.D (-974) (-)





#25

Chloroform

Concen: 20.190 ug/l

RT: 7.33 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VN062934.D

Acq: 14 Aug 2020 11:35

Instrument :

MSVOA_X

ClientSampled :

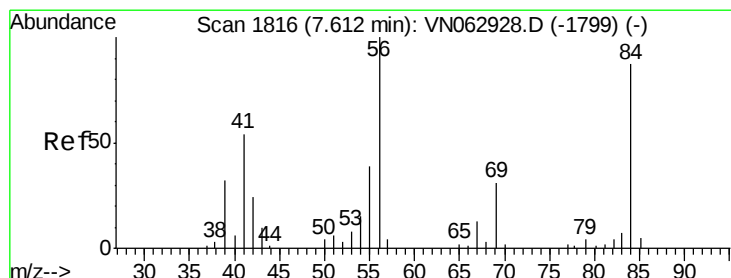
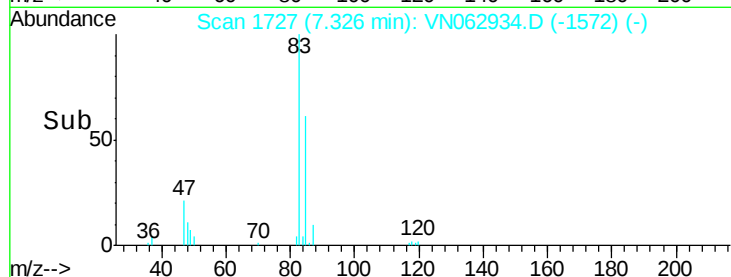
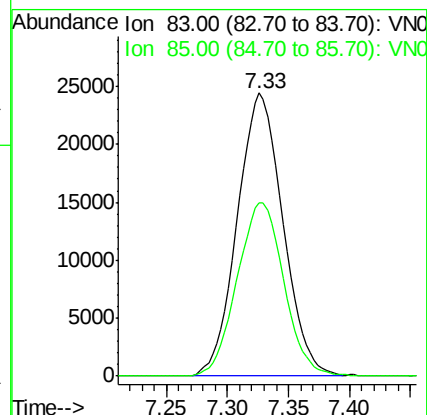
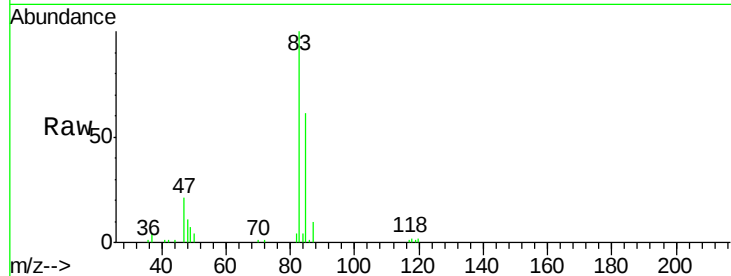
VSTDCCC020

Tgt Ion: 83 Resp: 63301

Ion Ratio Lower Upper

83 100

85 61.4 52.3 78.5



#26

Cyclohexane

Concen: 18.740 ug/l

RT: 7.61 min Scan# 1815

Delta R.T. -0.00 min

Lab File: VN062934.D

Acq: 14 Aug 2020 11:35

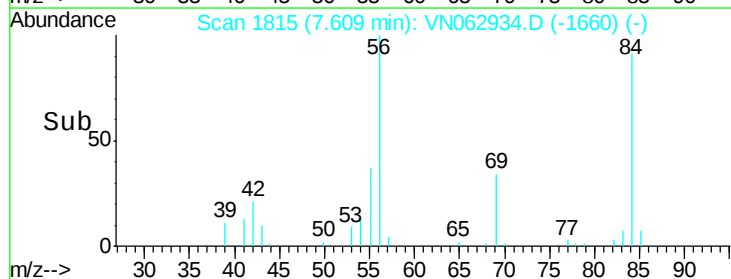
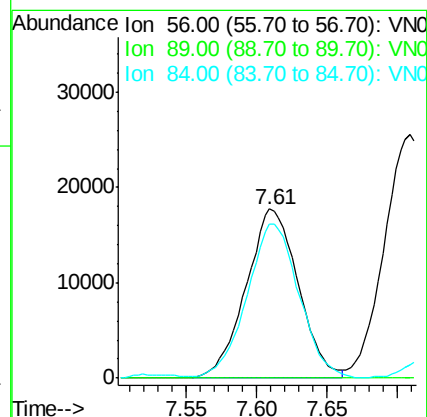
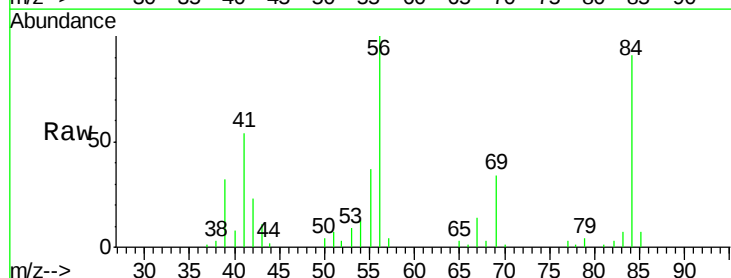
Tgt Ion: 56 Resp: 45844

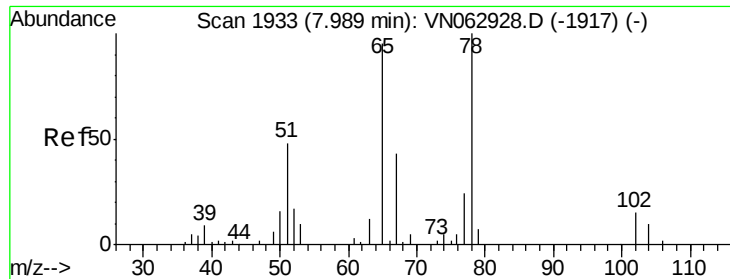
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 91.0 71.9 107.9

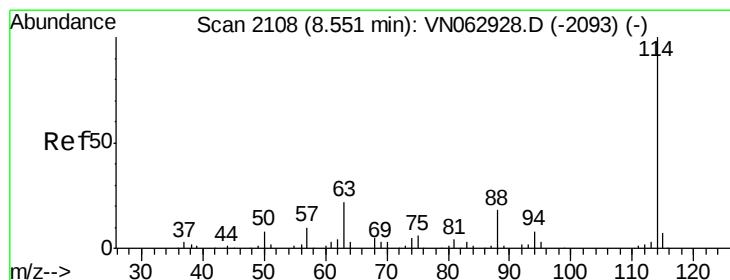
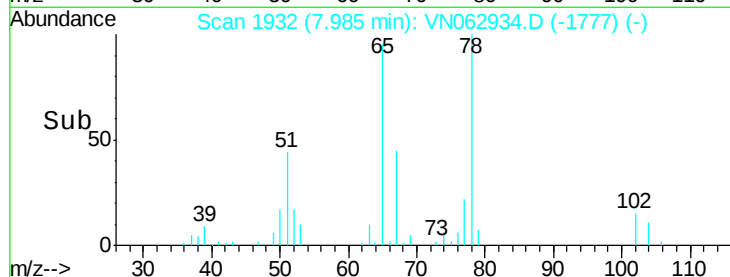
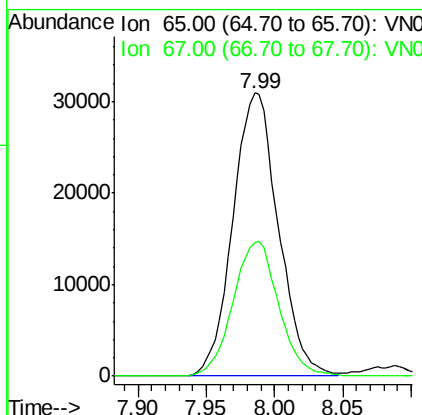
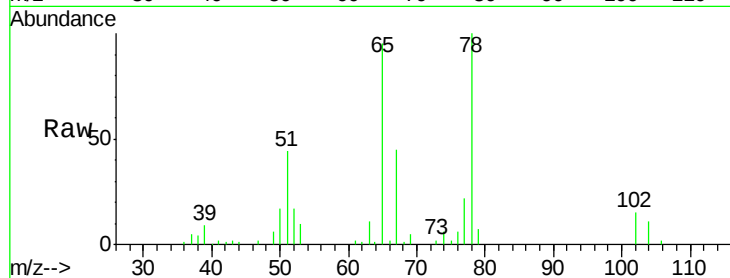




#27
 1,2-Dichloroethane-d4
 Concen: 30.191 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062934.D
 Acq: 14 Aug 2020 11:35

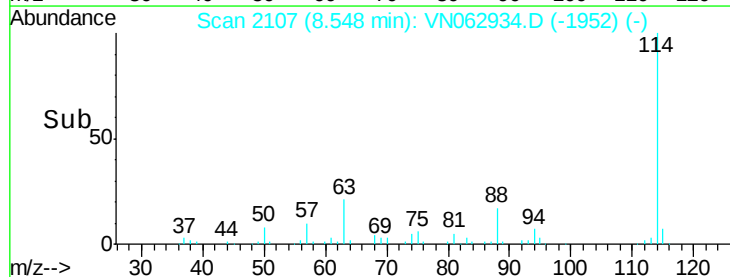
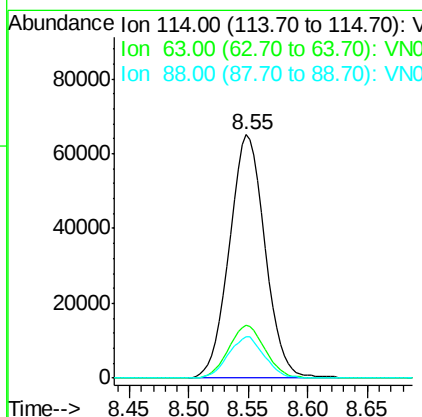
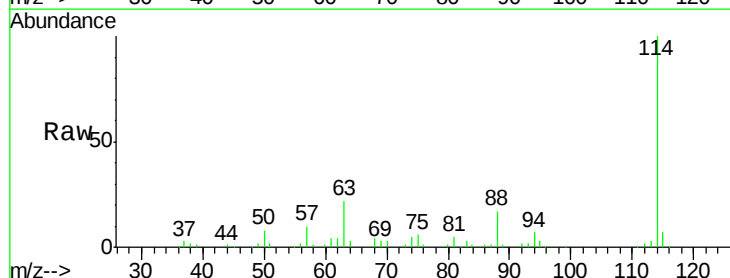
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

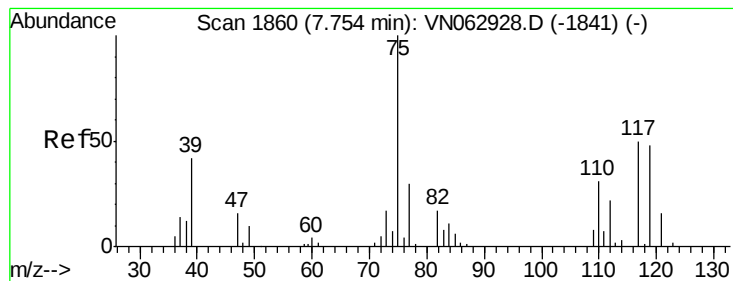
Tgt Ion: 65 Resp: 71561
 Ion Ratio Lower Upper
 65 100
 67 47.8 39.5 59.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062934.D
 Acq: 14 Aug 2020 11:35

Tgt Ion: 114 Resp: 135423
 Ion Ratio Lower Upper
 114 100
 63 22.2 17.7 26.5
 88 17.0 13.9 20.9





#29

1,1-Dichloropropene

Concen: 20.311 ug/l

RT: 7.75 min Scan# 1858

Delta R.T. -0.01 min

Lab File: VN062934.D

Acq: 14 Aug 2020 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

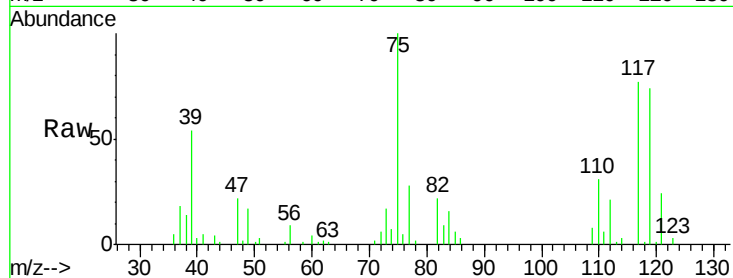
Tgt Ion: 75 Resp: 40572

Ion Ratio Lower Upper

75 100

110 32.8 0.0 65.8

77 29.8 0.0 59.8

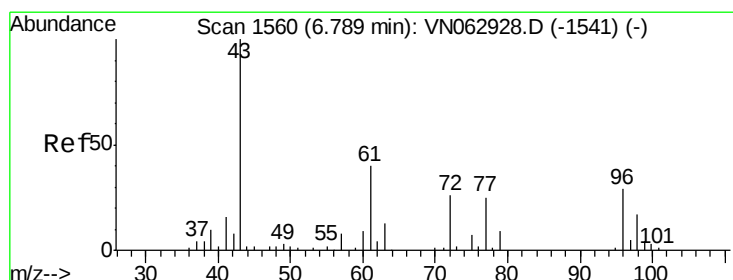
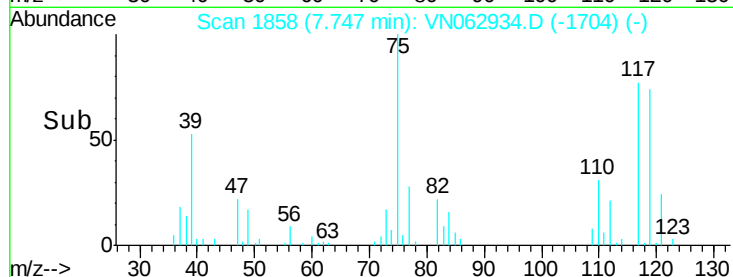


Abundance Ion 75.00 (74.70 to 75.70): VN062928.D (-1841) (-)

Ion 110.00 (109.70 to 110.70): VN062928.D (-1841) (-)

Ion 77.00 (76.70 to 77.70): VN062928.D (-1841) (-)

Time-->



#30

2-Butanone

Concen: 95.731 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VN062934.D

Acq: 14 Aug 2020 11:35

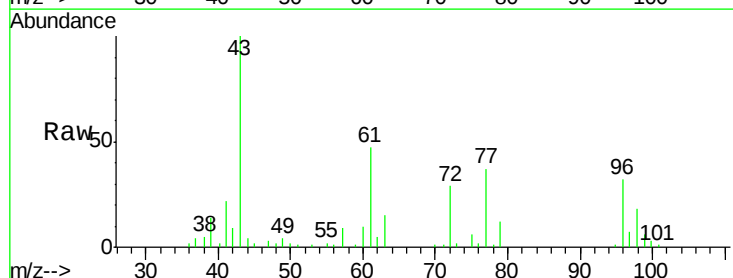
Tgt Ion: 43 Resp: 98720

Ion Ratio Lower Upper

43 100

57 3.7 7.0 10.6#

72 28.6 22.0 33.0

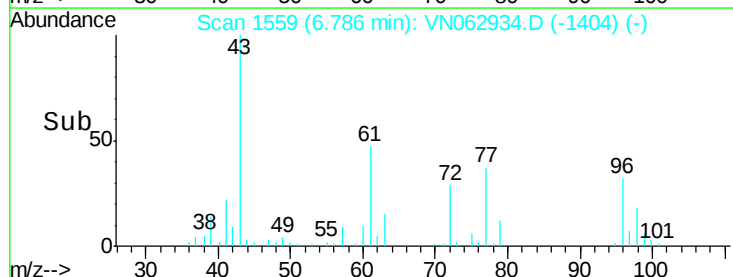


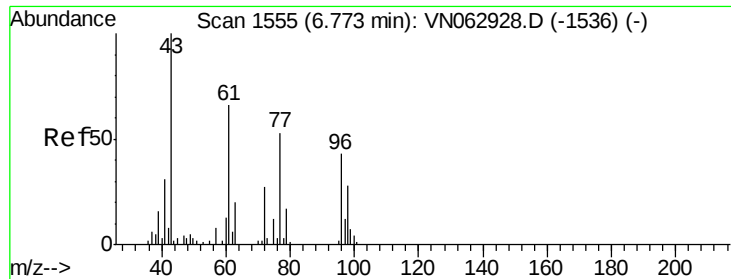
Abundance Ion 43.00 (42.70 to 43.70): VN062928.D (-1541) (-)

Ion 57.00 (56.70 to 57.70): VN062928.D (-1541) (-)

Ion 72.00 (71.70 to 72.70): VN062928.D (-1541) (-)

Time-->

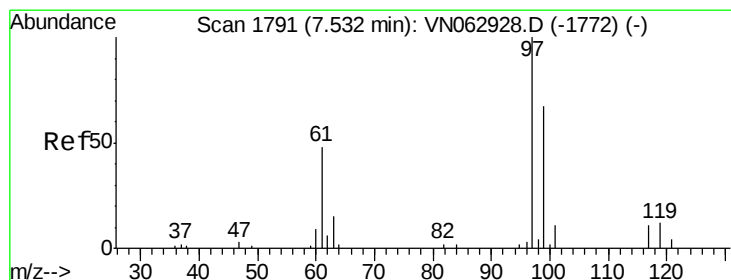
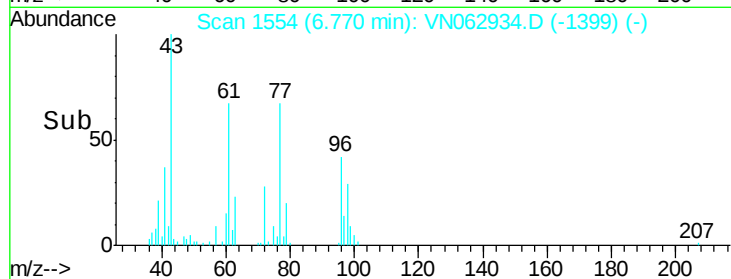
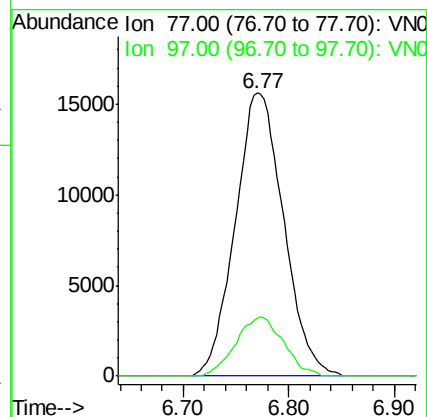
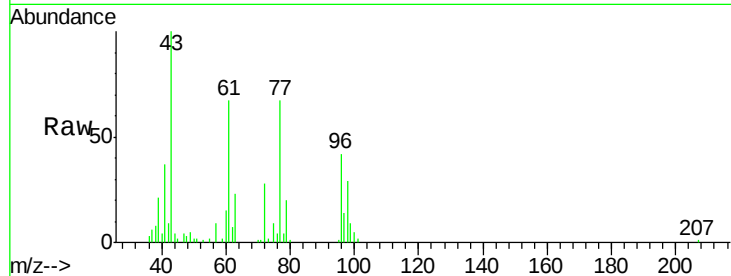




#31
 2,2-Dichloropropane
 Concen: 25.029 ug/l
 RT: 6.77 min Scan# 1554
 Delta R.T. -0.00 min
 Lab File: VN062934.D
 Acq: 14 Aug 2020 11:35

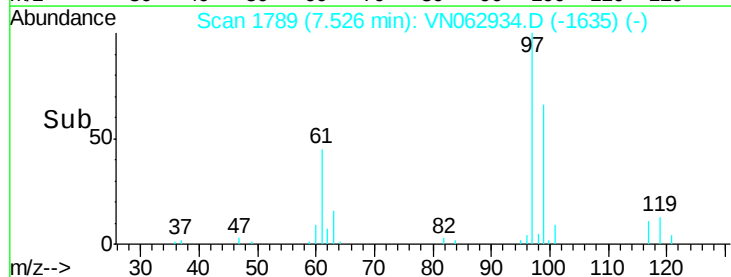
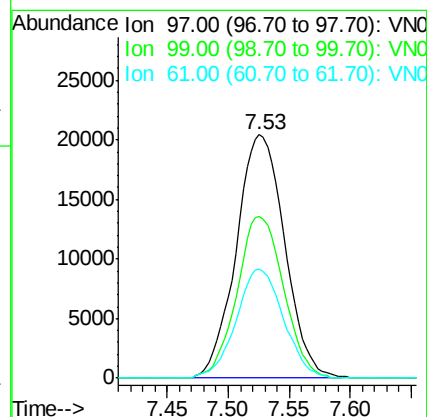
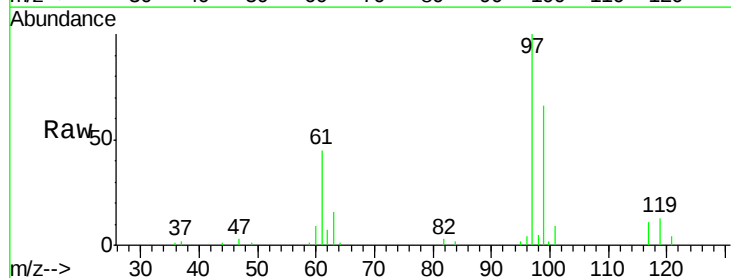
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

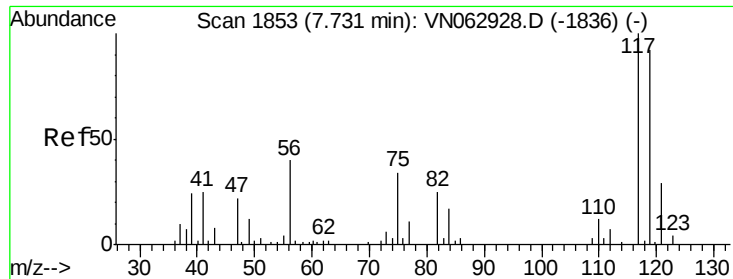
Tgt Ion: 77 Resp: 49785
 Ion Ratio Lower Upper
 77 100
 97 20.5 16.1 24.1



#32
 1,1,1-Trichloroethane
 Concen: 20.557 ug/l
 RT: 7.53 min Scan# 1789
 Delta R.T. -0.01 min
 Lab File: VN062934.D
 Acq: 14 Aug 2020 11:35

Tgt Ion: 97 Resp: 56265
 Ion Ratio Lower Upper
 97 100
 99 63.9 53.8 80.8
 61 43.7 36.3 54.5





#33

Carbon Tetrachloride

Concen: 20.991 ug/l

RT: 7.73 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VN062934.D

Acq: 14 Aug 2020 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

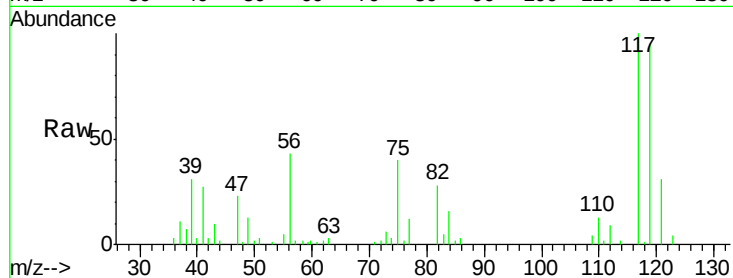
Tgt Ion: 117 Resp: 50946

Ion Ratio Lower Upper

117 100

119 95.4 73.9 110.9

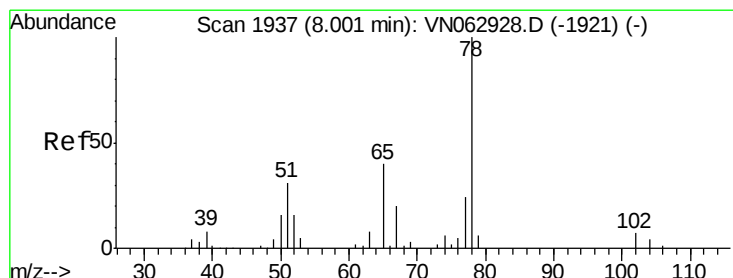
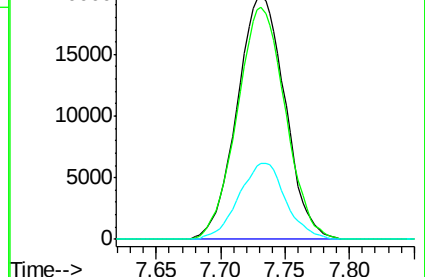
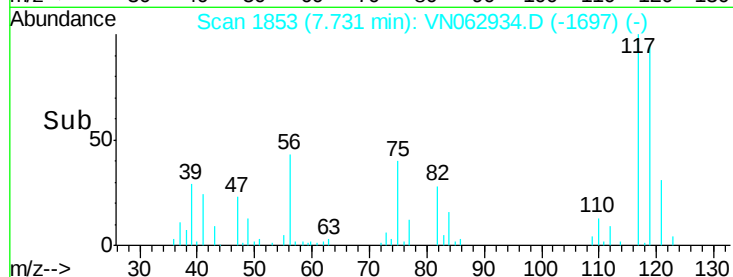
121 31.0 23.2 34.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 19.936 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VN062934.D

Acq: 14 Aug 2020 11:35

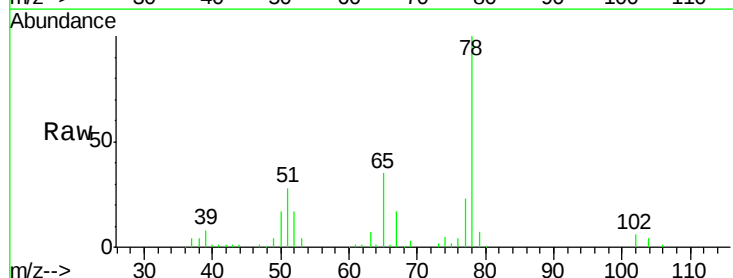
Tgt Ion: 78 Resp: 119720

Ion Ratio Lower Upper

78 100

77 23.3 19.3 28.9

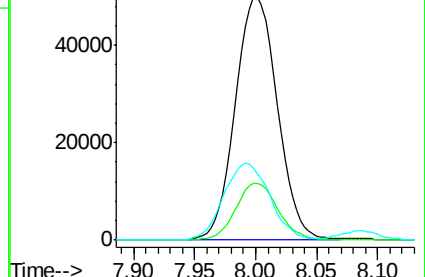
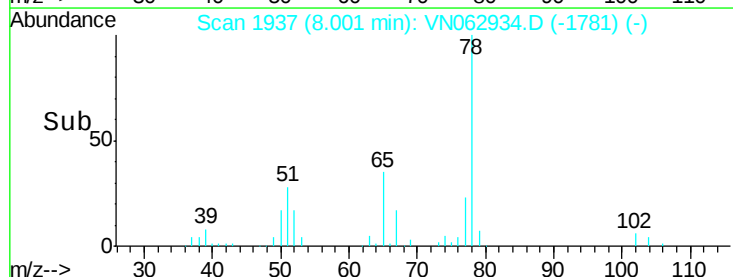
51 27.2 24.9 37.3

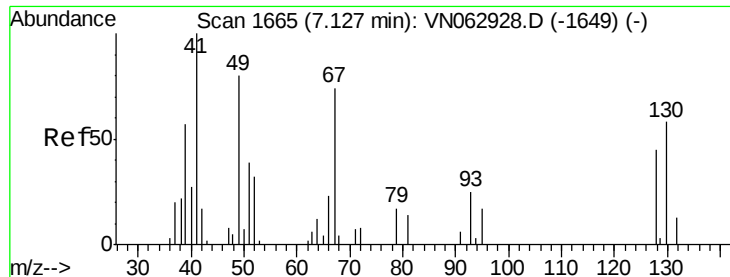


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

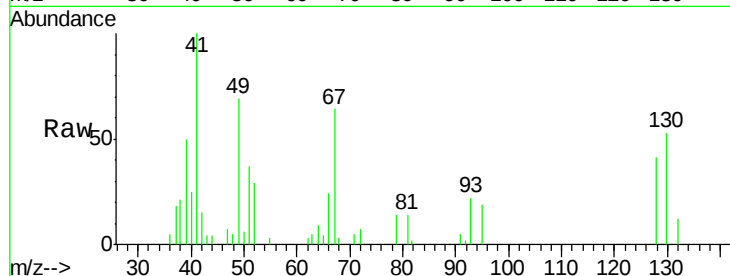




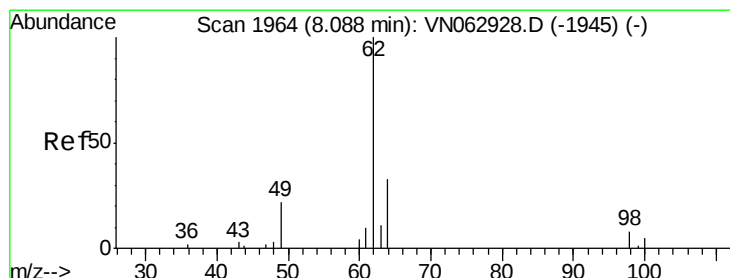
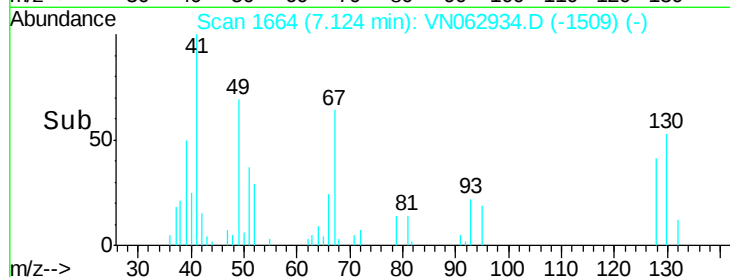
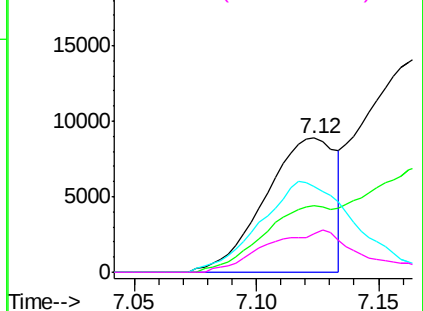
#35
Methacrylonitrile
Concen: 19.549 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN062934.D
Acq: 14 Aug 2020 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tgt Ion:	41	Resp:	17884
Ion	Ratio	Lower	Upper
41	100		
39	50.0	28.7	86.3
67	63.6	36.8	110.3
52	28.6	16.1	48.2

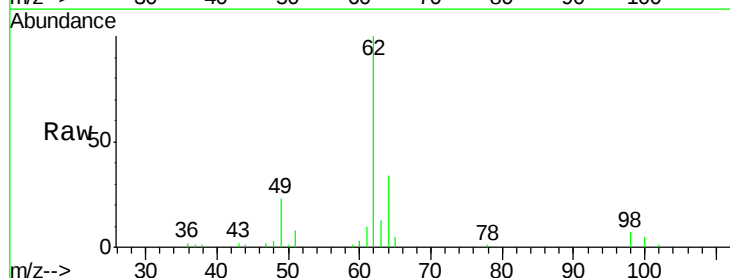


Abundance Ion 41.00 (40.70 to 41.70): VN062928.D (-1649) (-)

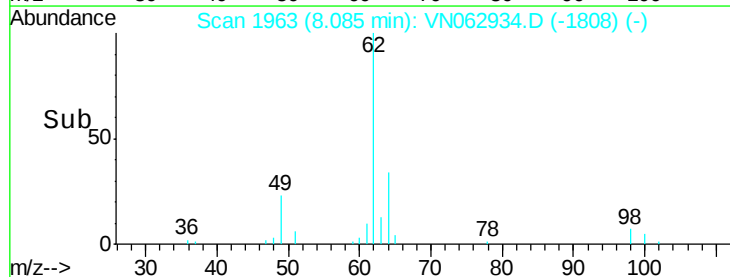
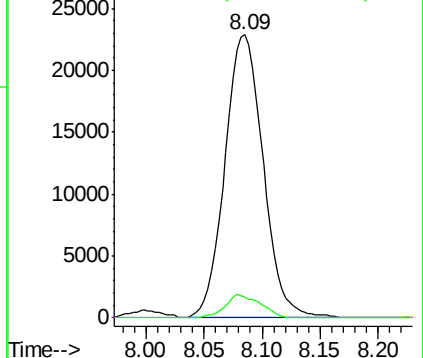


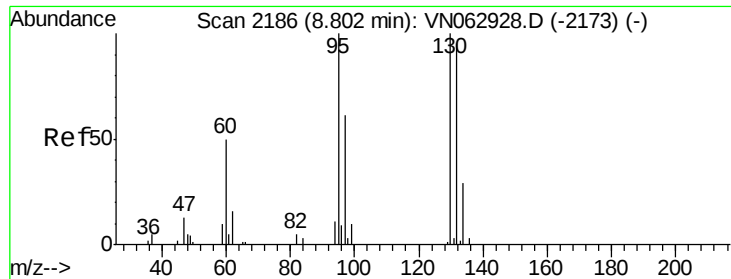
#36
1,2-Dichloroethane
Concen: 20.144 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062934.D
Acq: 14 Aug 2020 11:35

Tgt Ion:	62	Resp:	52541
Ion	Ratio	Lower	Upper
62	100		
98	7.5	6.1	9.1



Abundance Ion 62.00 (61.70 to 62.70): VN062928.D (-1945) (-)

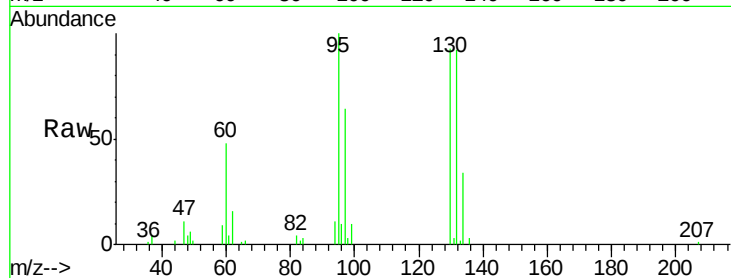




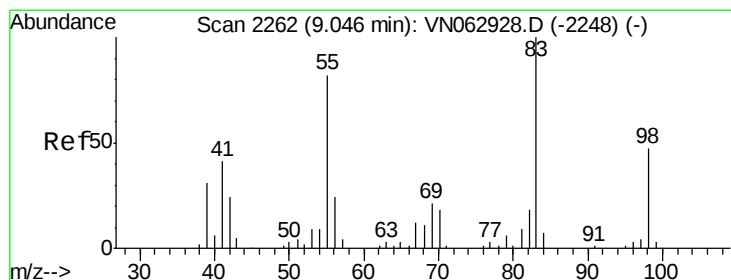
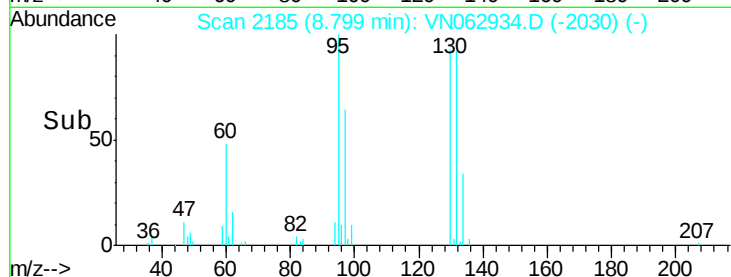
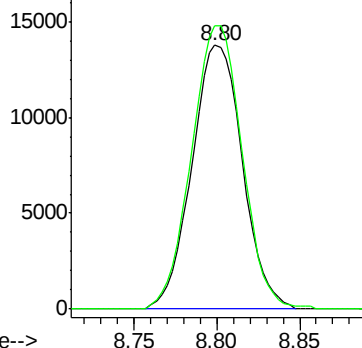
#37
 Trichloroethene
 Concen: 19.635 ug/l
 RT: 8.80 min Scan# 2185
 Delta R.T. -0.00 min
 Lab File: VN062934.D
 Acq: 14 Aug 2020 11:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tgt Ion:130 Resp: 29247
 Ion Ratio Lower Upper
 130 100
 95 107.2 80.1 120.1

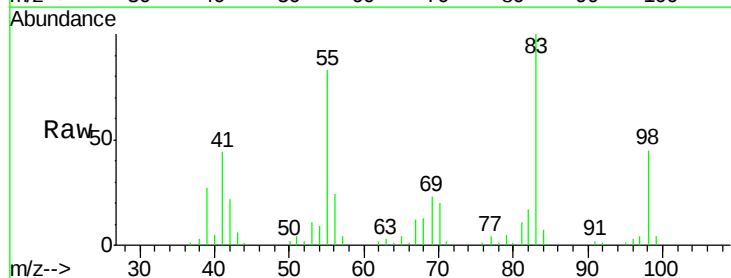


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN0

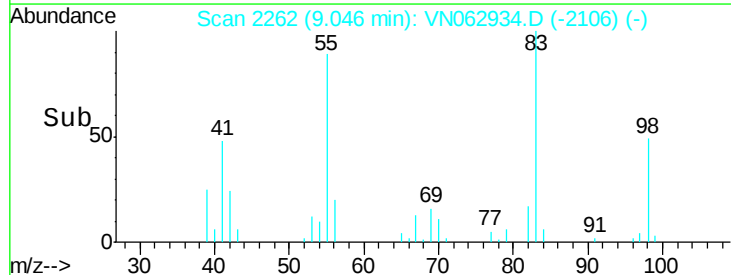
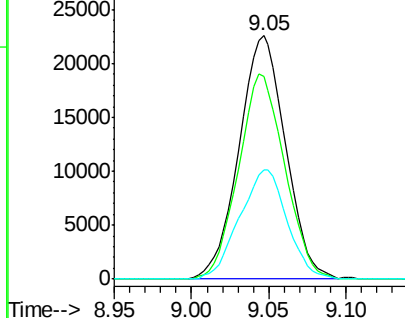


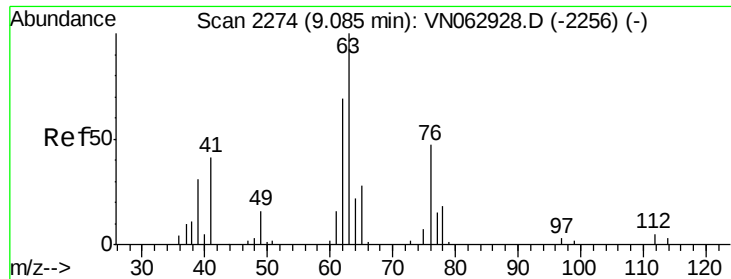
#38
 Methylcyclohexane
 Concen: 19.735 ug/l
 RT: 9.05 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VN062934.D
 Acq: 14 Aug 2020 11:35

Tgt Ion: 83 Resp: 47153
 Ion Ratio Lower Upper
 83 100
 55 83.7 40.8 122.5
 98 45.9 22.3 66.8



Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 55.00 (54.70 to 55.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0

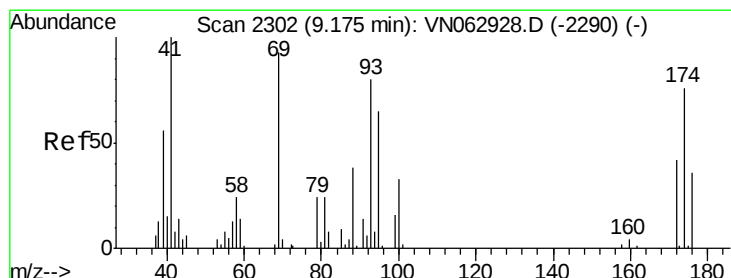
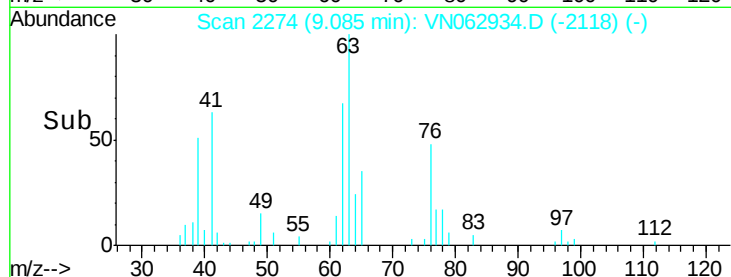
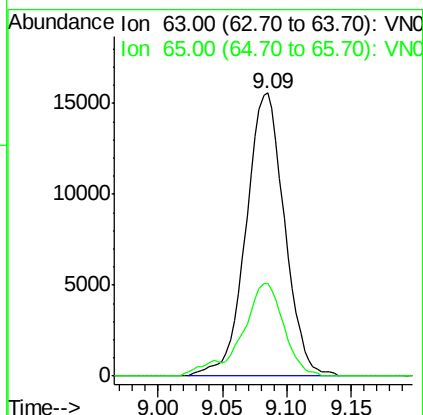
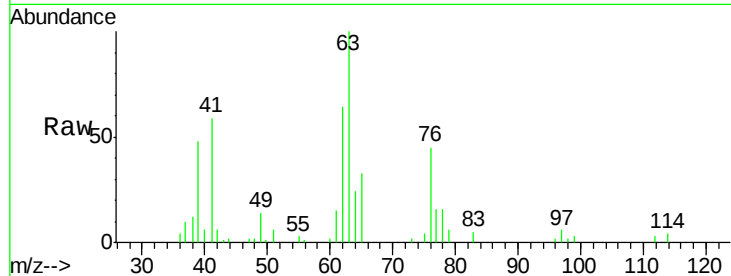




#39
 1,2-Dichloropropane
 Concen: 19.776 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN062934.D
 Acq: 14 Aug 2020 11:35

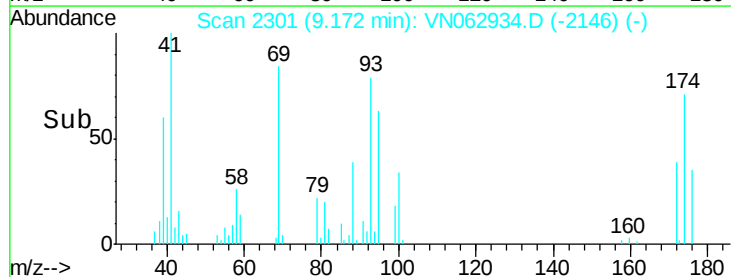
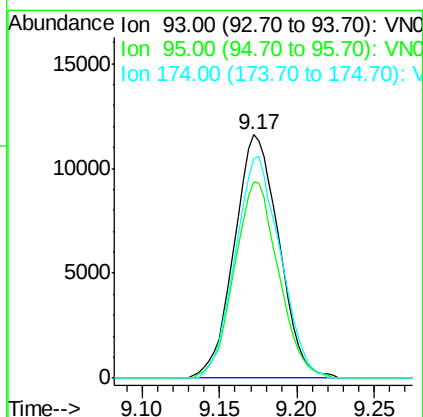
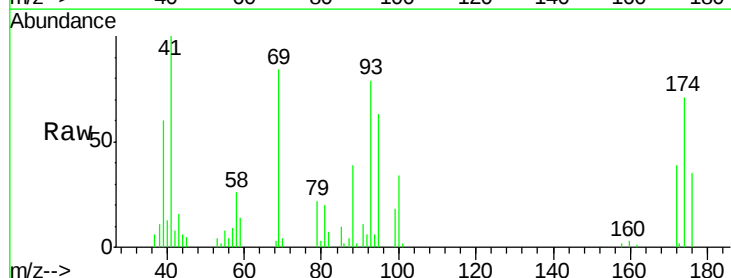
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

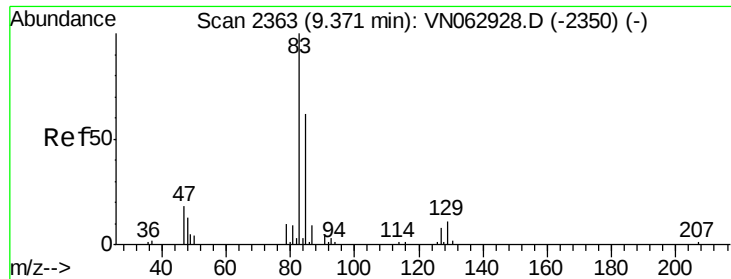
Tgt Ion: 63 Resp: 32416
 Ion Ratio Lower Upper
 63 100
 65 32.6 23.8 35.6



#40
 Dibromomethane
 Concen: 20.950 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN062934.D
 Acq: 14 Aug 2020 11:35

Tgt Ion: 93 Resp: 23261
 Ion Ratio Lower Upper
 93 100
 95 79.8 0.0 161.8
 174 92.0 0.0 190.0

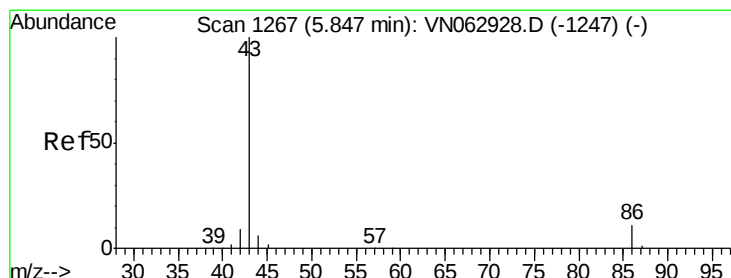
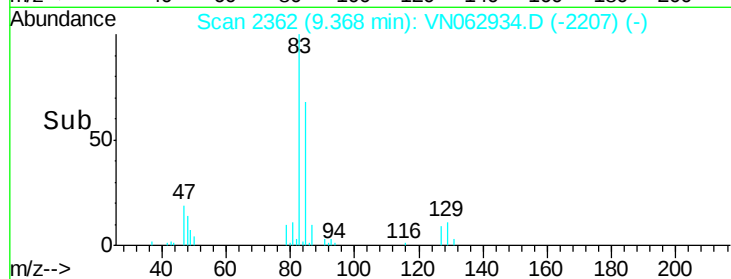
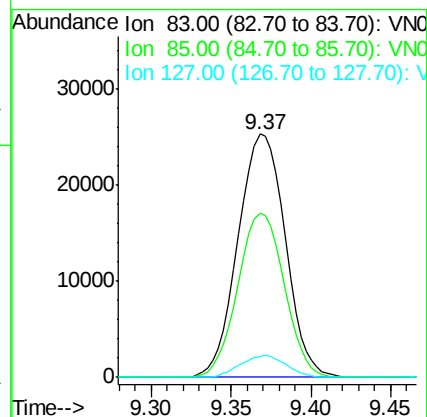
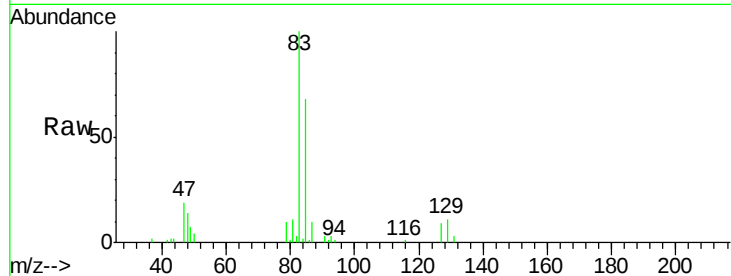




#41
Bromodichloromethane
Concen: 20.505 ug/l
RT: 9.37 min Scan# 2362
Delta R.T. -0.00 min
Lab File: VN062934.D
Acq: 14 Aug 2020 11:35

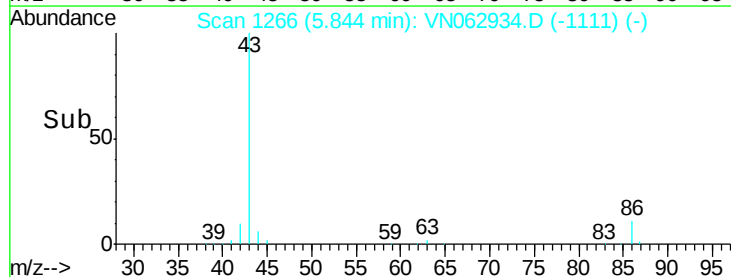
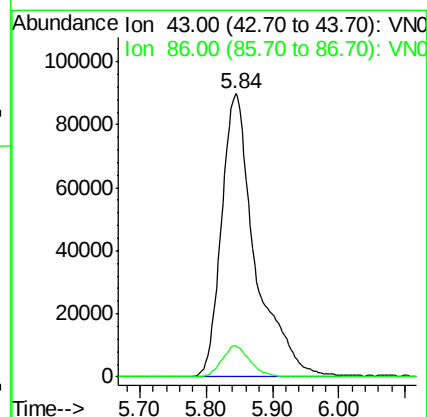
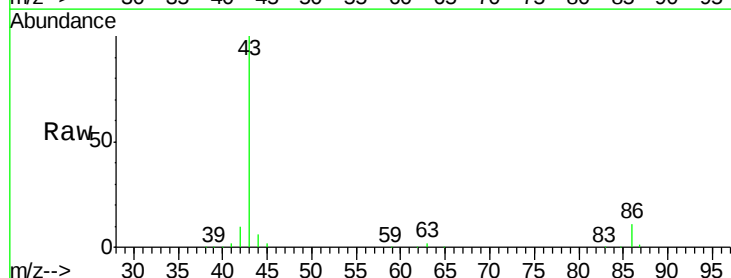
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

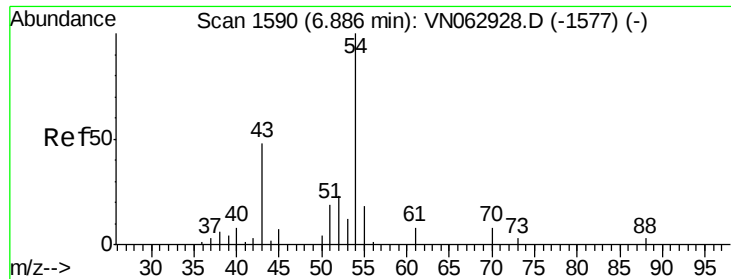
Tgt Ion: 83 Resp: 51098
Ion Ratio Lower Upper
83 100
85 67.7 49.9 74.9
127 8.6 7.1 10.7



#42
Vinyl Acetate
Concen: 91.341 ug/l
RT: 5.84 min Scan# 1266
Delta R.T. -0.00 min
Lab File: VN062934.D
Acq: 14 Aug 2020 11:35

Tgt Ion: 43 Resp: 318384
Ion Ratio Lower Upper
43 100
86 9.2 7.1 10.7





#43

Ethyl Acetate

Concen: 19.174 ug/l

RT: 6.88 min Scan# 1588

Delta R.T. -0.01 min

Lab File: VN062934.D

Acq: 14 Aug 2020 11:35

Instrument :

MSVOA_X

ClientSampleId :

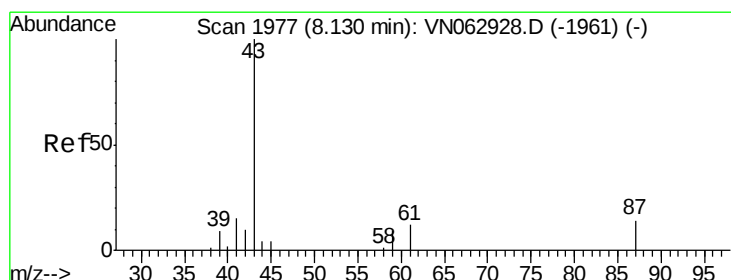
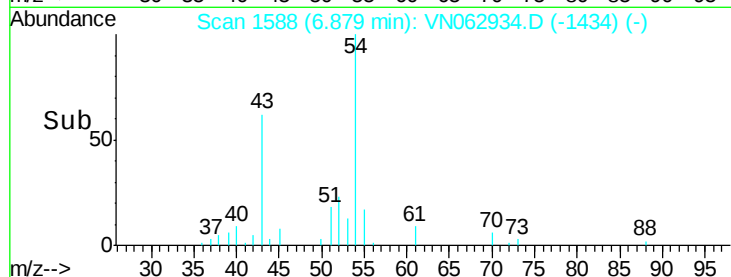
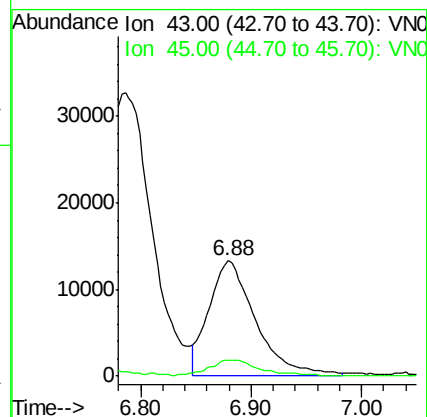
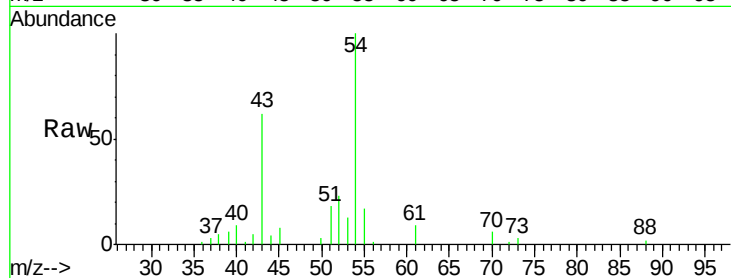
VSTDCCC020

Tgt Ion: 43 Resp: 38839

Ion Ratio Lower Upper

43 100

45 6.2 6.6 9.8#



#44

Isopropyl Acetate

Concen: 18.752 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062934.D

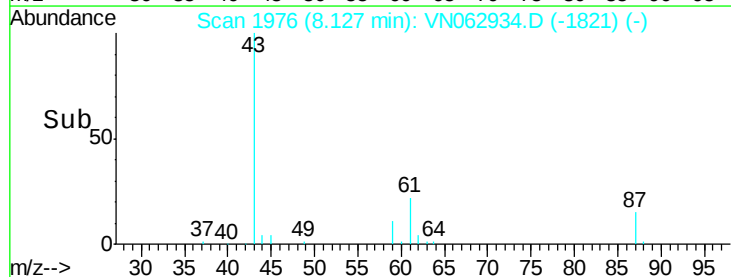
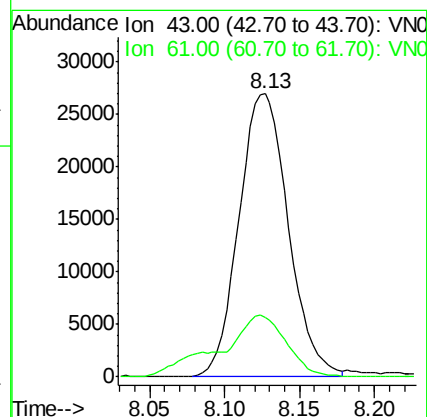
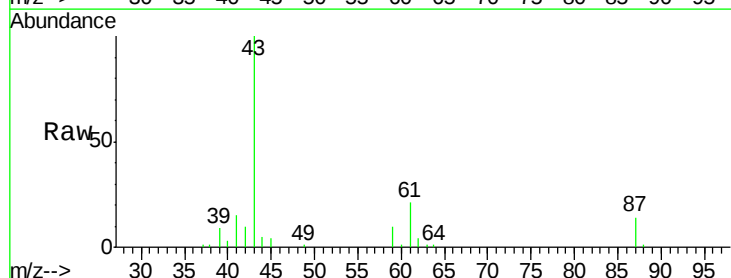
Acq: 14 Aug 2020 11:35

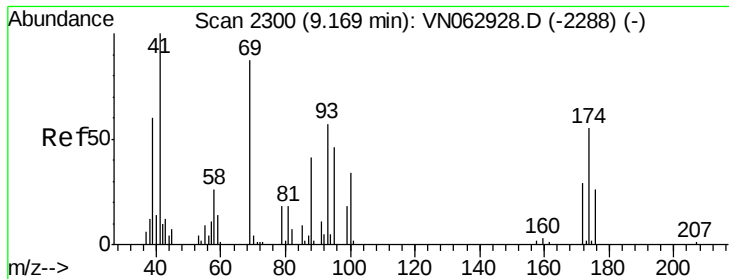
Tgt Ion: 43 Resp: 62029

Ion Ratio Lower Upper

43 100

61 20.7 17.2 25.8

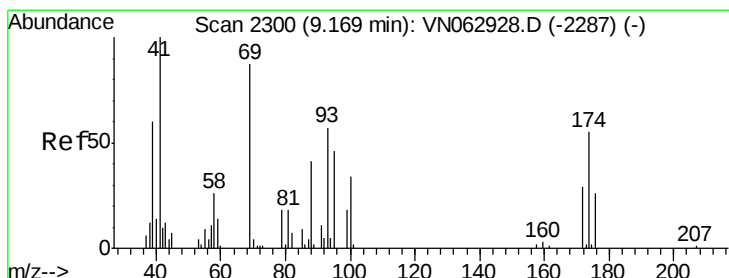
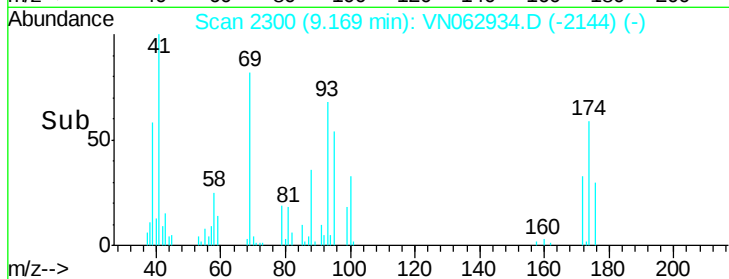
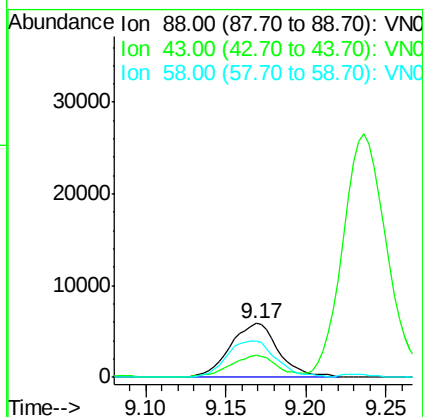
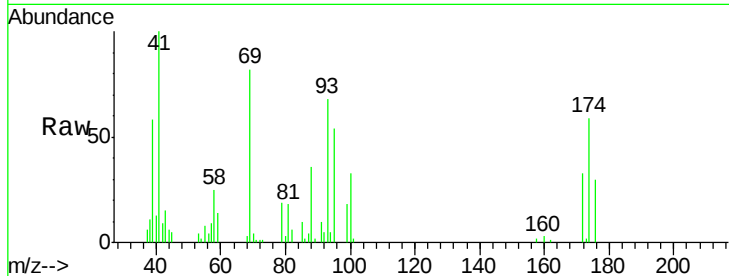




#45
 1,4-Dioxane
 Concen: 373.979 ug/l
 RT: 9.17 min Scan# 2300
 Delta R.T. 0.00 min
 Lab File: VN062934.D
 Acq: 14 Aug 2020 11:35

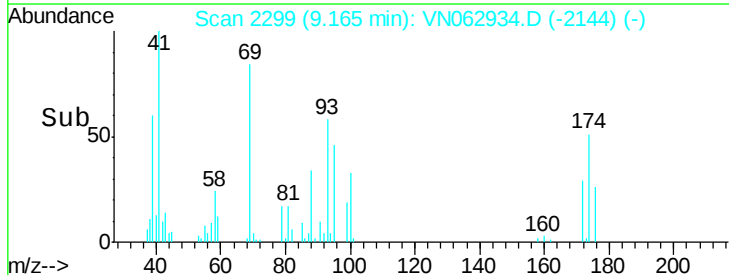
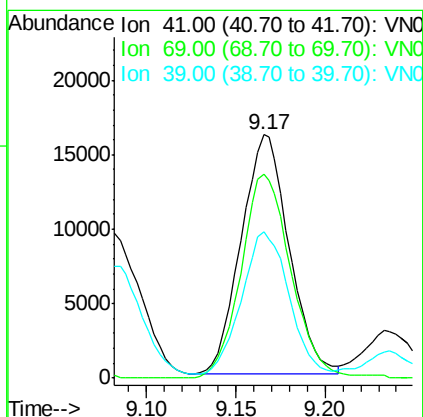
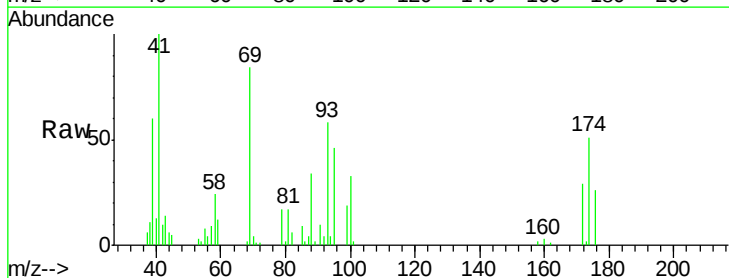
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

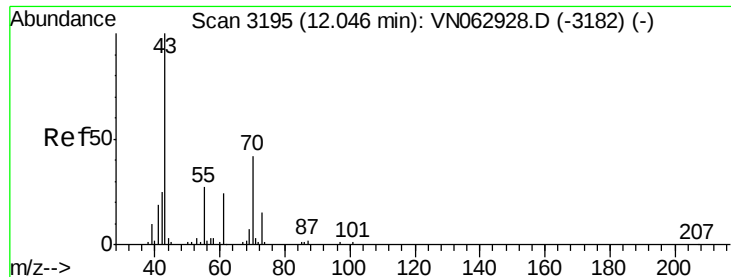
Tgt Ion: 88 Resp: 12115
 Ion Ratio Lower Upper
 88 100
 43 40.0 26.0 39.0#
 58 69.0 54.2 81.2



#46
 Methyl methacrylate
 Concen: 18.232 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN062934.D
 Acq: 14 Aug 2020 11:35

Tgt Ion: 41 Resp: 30159
 Ion Ratio Lower Upper
 41 100
 69 85.3 43.6 130.9
 39 59.3 29.9 89.8

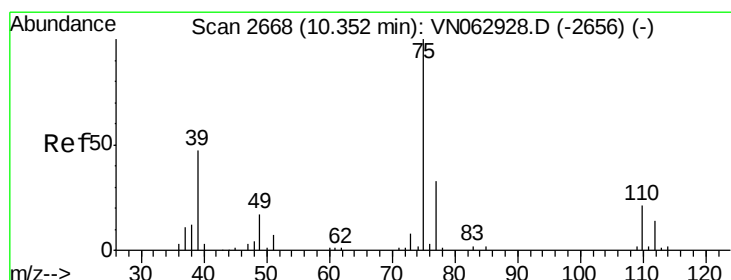
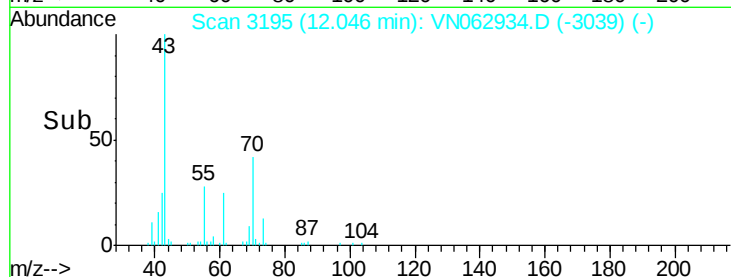
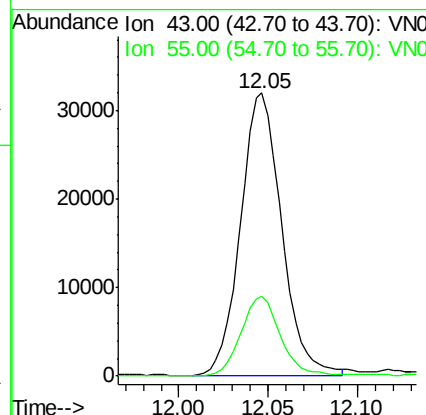
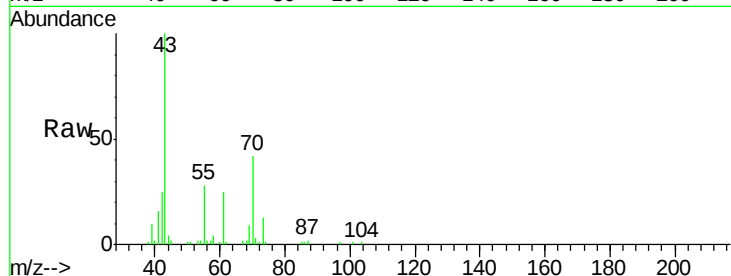




#47
n-amy1 Acetate
Concen: 17.459 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN062934.D
Acq: 14 Aug 2020 11:35

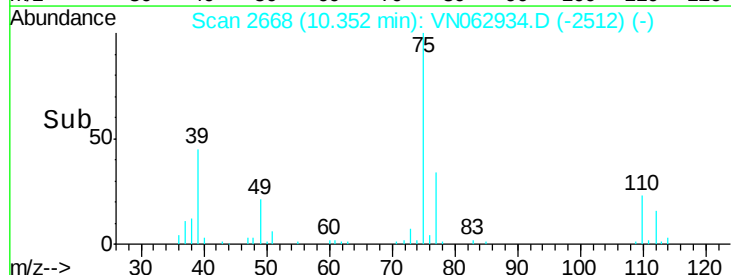
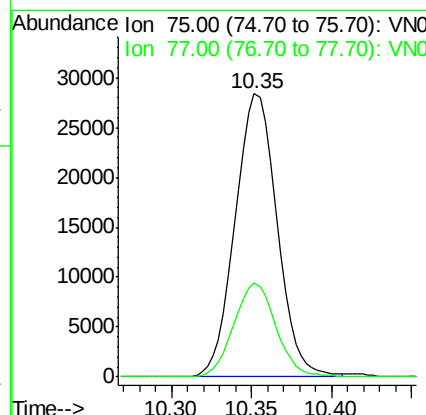
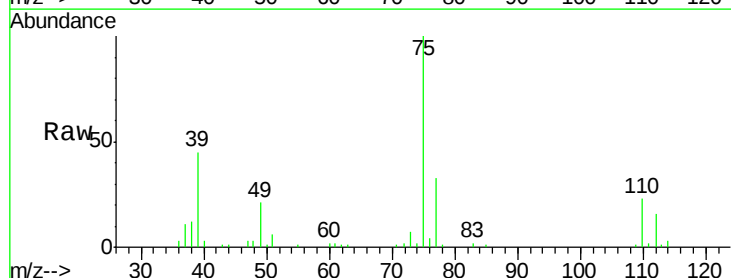
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

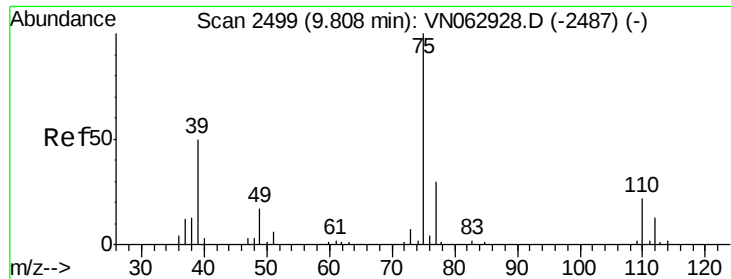
Tgt Ion: 43 Resp: 51521
Ion Ratio Lower Upper
43 100
55 27.1 20.8 31.2



#48
t-1,3-Dichloropropene
Concen: 19.542 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN062934.D
Acq: 14 Aug 2020 11:35

Tgt Ion: 75 Resp: 50873
Ion Ratio Lower Upper
75 100
77 33.3 26.2 39.2

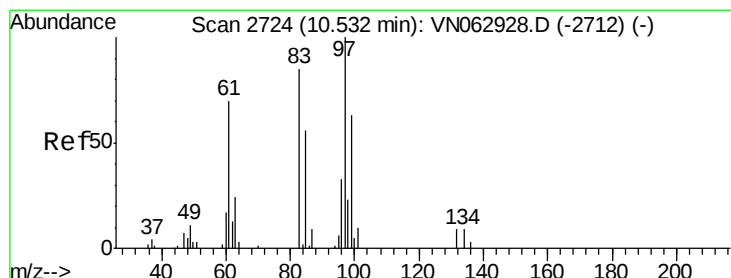
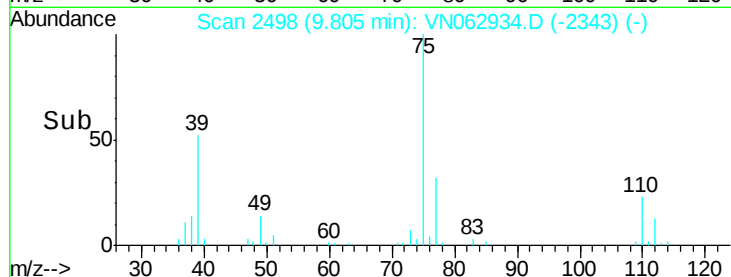
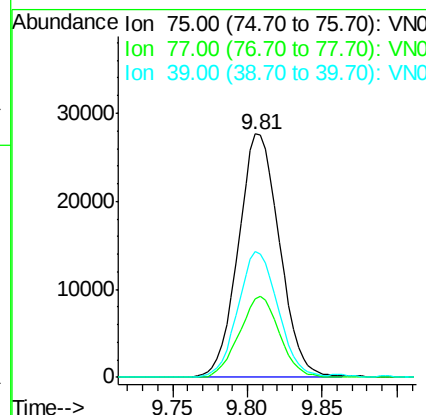
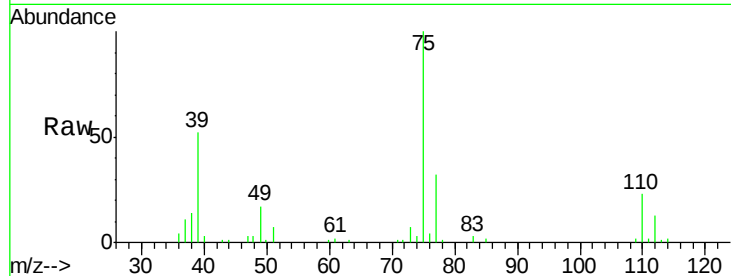




#49
 cis-1,3-Dichloropropene
 Concen: 20.331 ug/l
 RT: 9.81 min Scan# 2498
 Delta R.T. -0.00 min
 Lab File: VN062934.D
 Acq: 14 Aug 2020 11:35

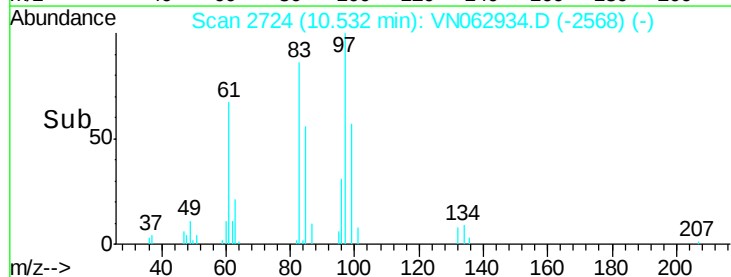
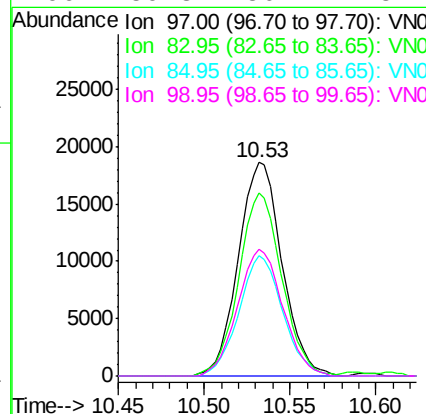
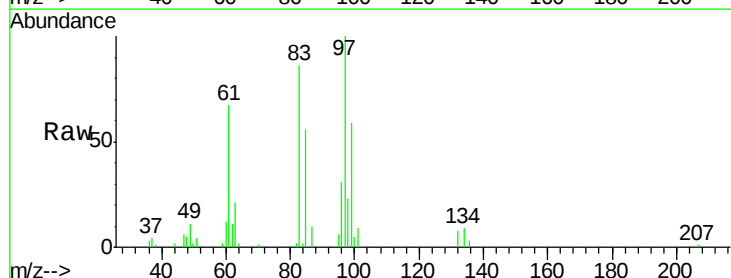
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

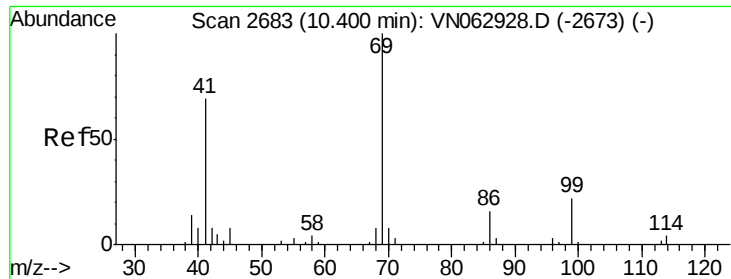
Tgt Ion:	75	Resp:	53186
Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.4	36.6
39	51.6	40.2	60.4



#50
 1,1,2-Trichloroethane
 Concen: 20.669 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. 0.00 min
 Lab File: VN062934.D
 Acq: 14 Aug 2020 11:35

Tgt Ion:	97	Resp:	32982
Ion	Ratio	Lower	Upper
97	100		
83	86.0	67.8	101.6
85	56.4	44.5	66.7
99	59.3	50.1	75.1





#51

Ethyl methacrylate

Concen: 18.672 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. 0.00 min

Lab File: VN062934.D

Acq: 14 Aug 2020 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

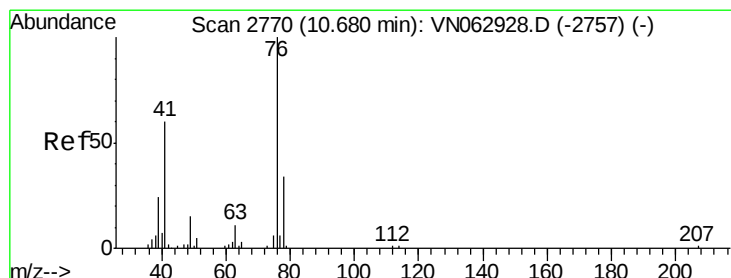
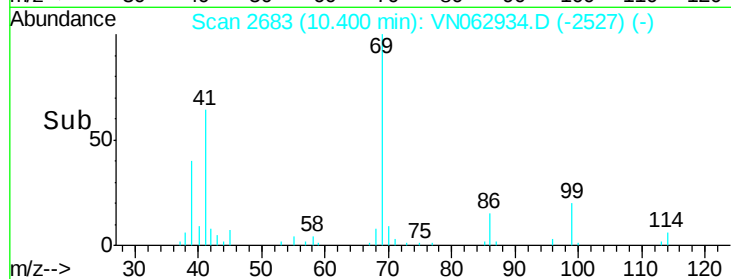
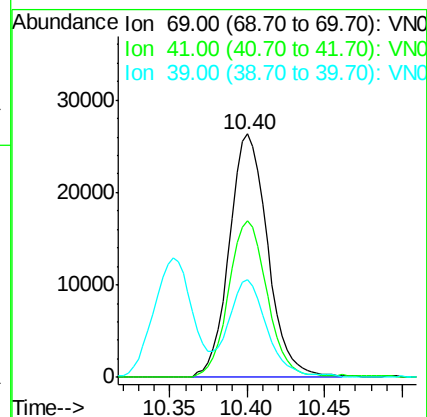
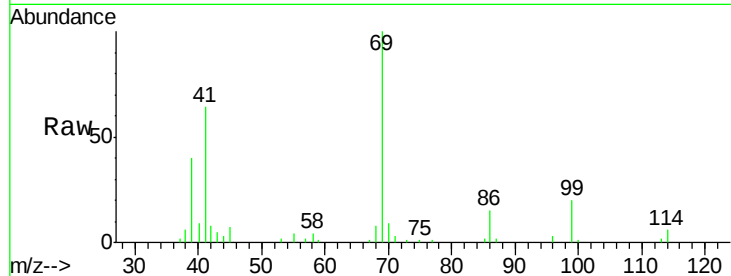
Tgt Ion: 69 Resp: 45359

Ion Ratio Lower Upper

69 100

41 64.4 34.8 104.3

39 40.2 18.6 55.8



#52

1,3-Dichloropropane

Concen: 19.822 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN062934.D

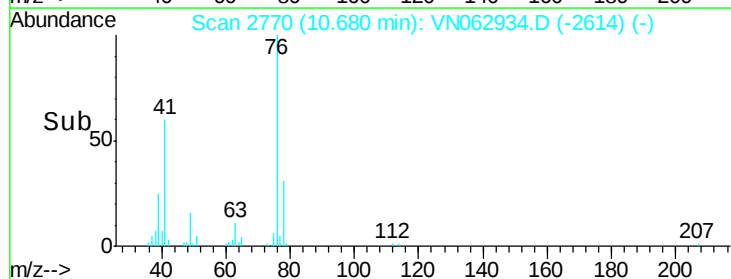
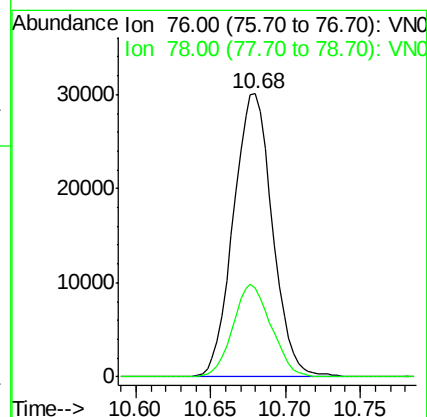
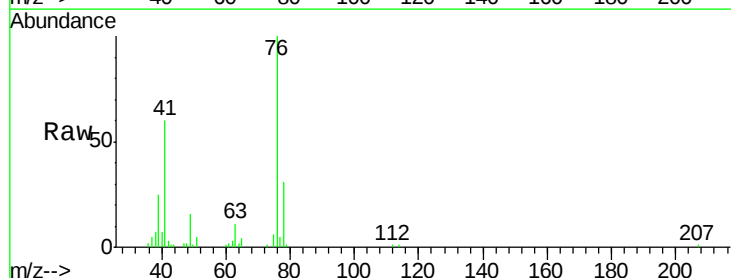
Acq: 14 Aug 2020 11:35

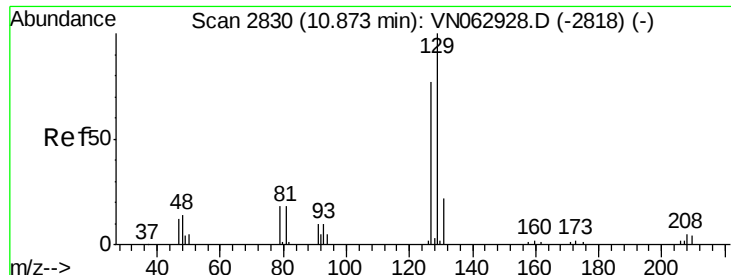
Tgt Ion: 76 Resp: 54652

Ion Ratio Lower Upper

76 100

78 32.0 0.0 66.2





#53

Dibromochloromethane

Concen: 20.926 ug/l

RT: 10.87 min Scan# 2830

Delta R.T. 0.00 min

Lab File: VN062934.D

Acq: 14 Aug 2020 11:35

Instrument :

MSVOA_X

ClientSampleId :

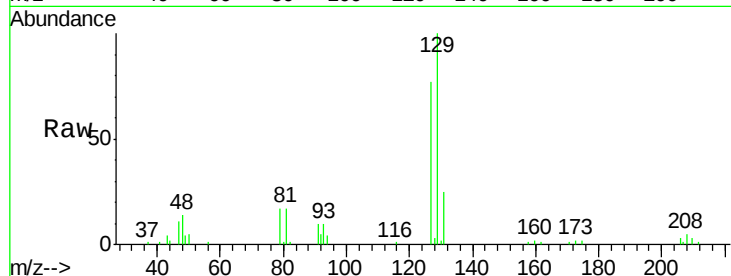
VSTDCCC020

Tgt Ion:129 Resp: 39916

Ion Ratio Lower Upper

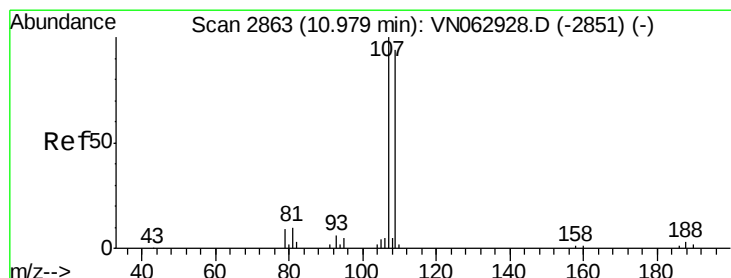
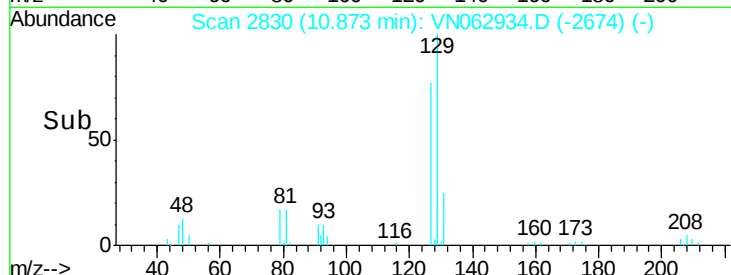
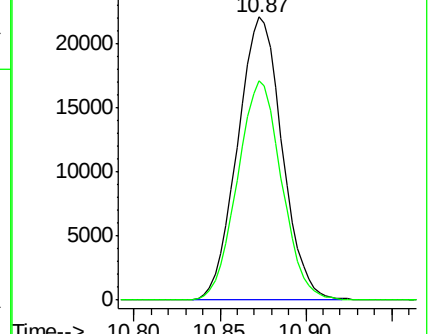
129 100

127 76.5 38.1 114.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 20.451 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN062934.D

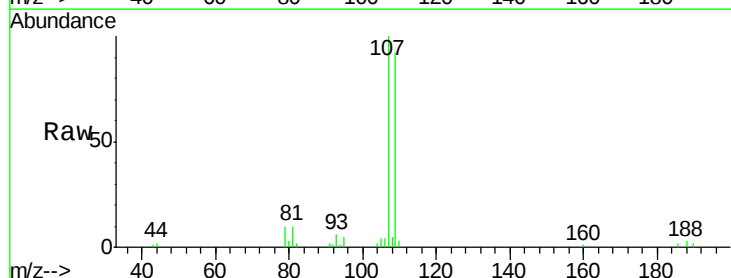
Acq: 14 Aug 2020 11:35

Tgt Ion:107 Resp: 33396

Ion Ratio Lower Upper

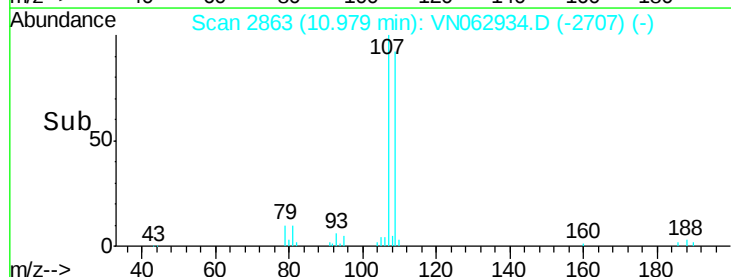
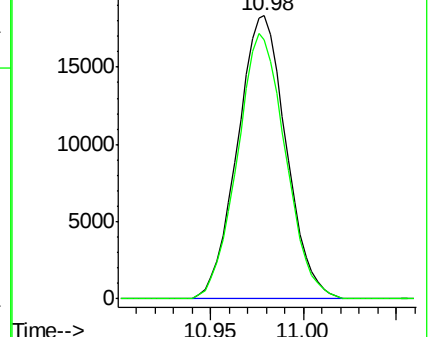
107 100

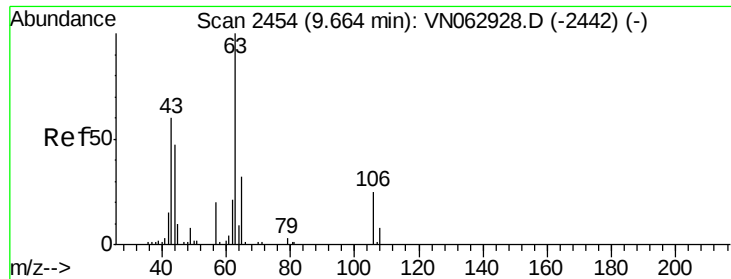
109 92.5 76.9 115.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

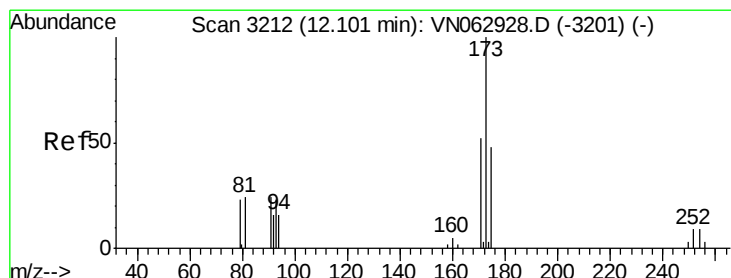
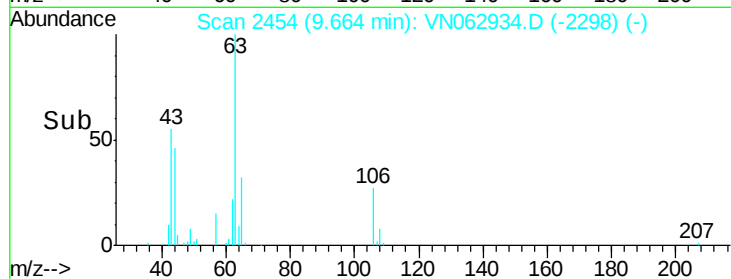
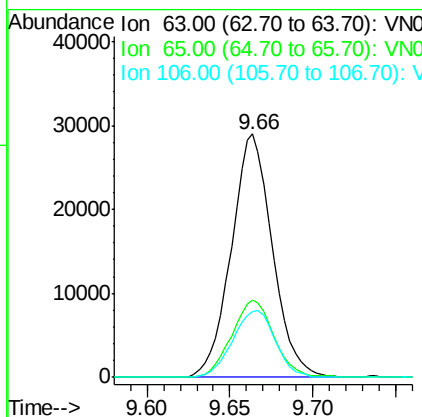
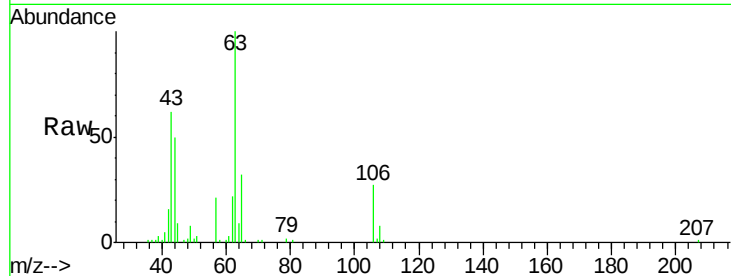




#55
 2-Chloroethyl vinyl ether
 Concen: 84.787 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN062934.D
 Acq: 14 Aug 2020 11:35

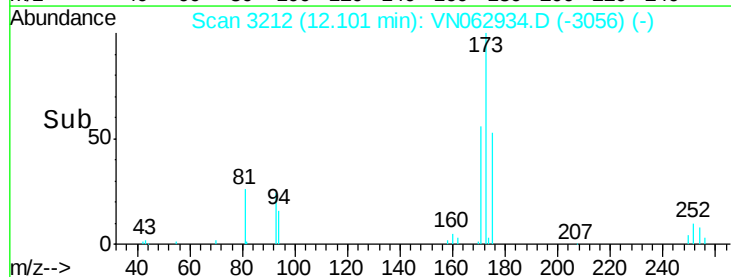
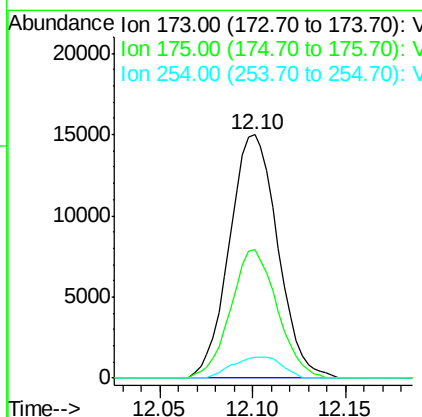
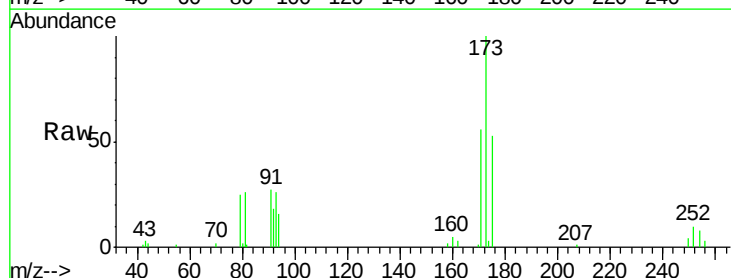
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

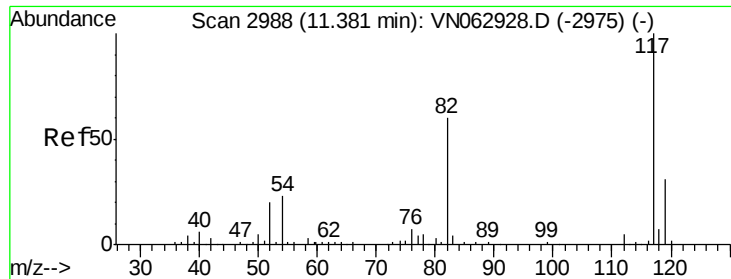
Tgt Ion: 63 Resp: 49844
 Ion Ratio Lower Upper
 63 100
 65 32.5 25.8 38.8
 106 28.4 20.4 30.6



#56
 Bromoform
 Concen: 19.999 ug/l
 RT: 12.10 min Scan# 3212
 Delta R.T. 0.00 min
 Lab File: VN062934.D
 Acq: 14 Aug 2020 11:35

Tgt Ion: 173 Resp: 27077
 Ion Ratio Lower Upper
 173 100
 175 50.8 37.8 56.6
 254 8.9 6.9 10.3

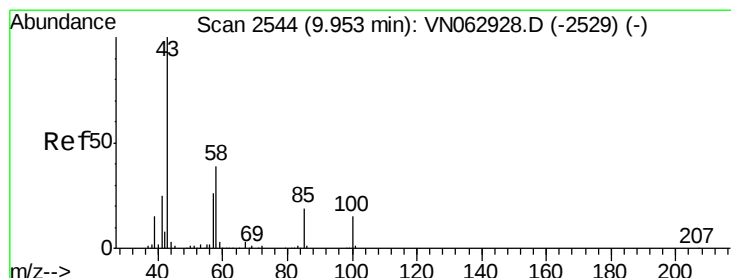
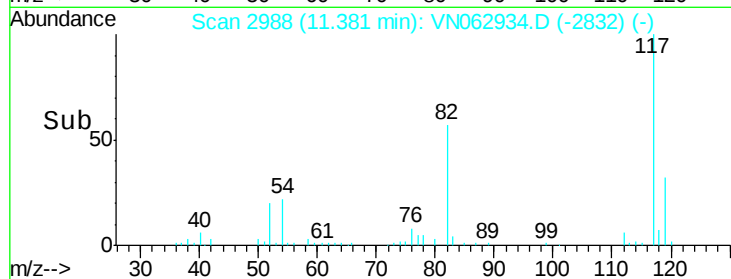
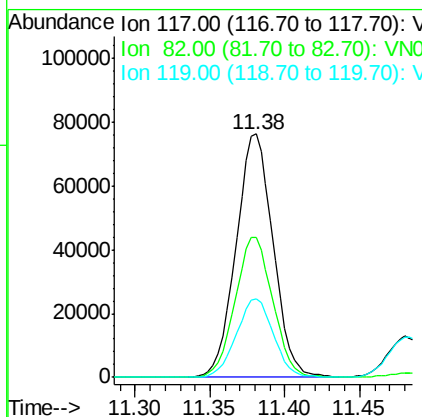
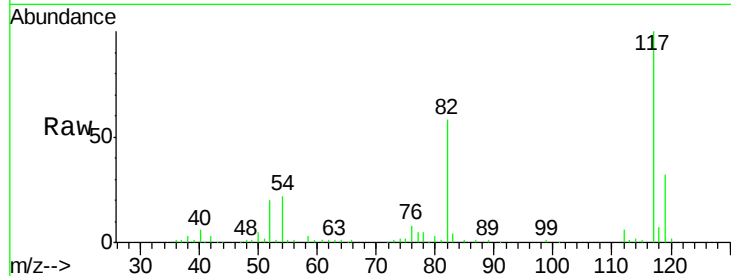




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062934.D
Acq: 14 Aug 2020 11:35

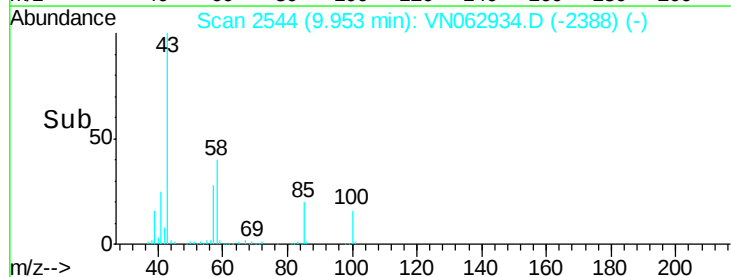
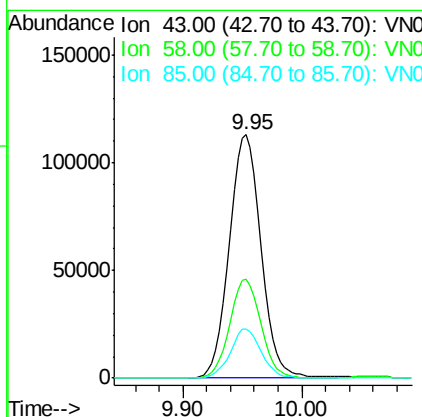
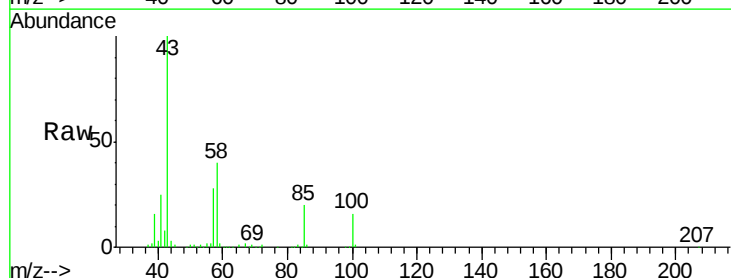
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020

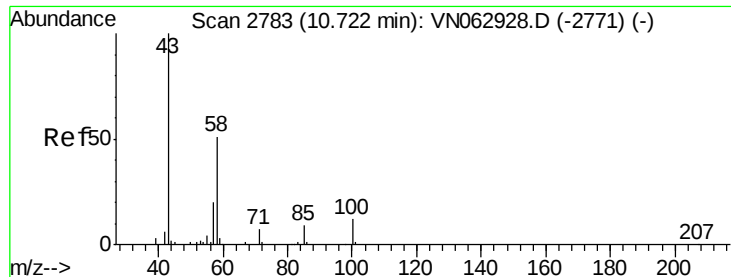
Tgt Ion: 117 Resp: 131387
Ion Ratio Lower Upper
117 100
82 58.6 47.5 71.3
119 32.3 26.0 39.0



#58
4-Methyl-2-Pentanone
Concen: 91.736 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN062934.D
Acq: 14 Aug 2020 11:35

Tgt Ion: 43 Resp: 209730
Ion Ratio Lower Upper
43 100
58 39.6 31.3 46.9
85 19.6 15.2 22.8

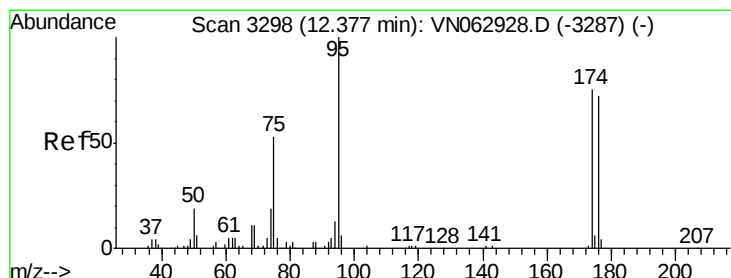
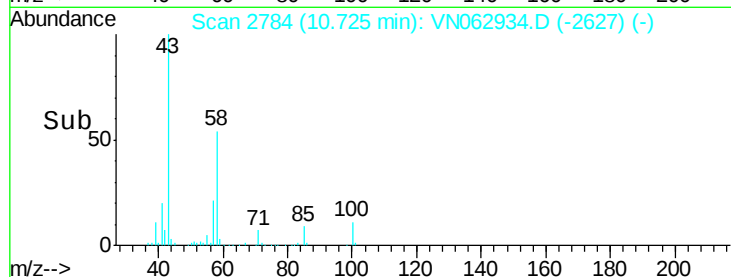
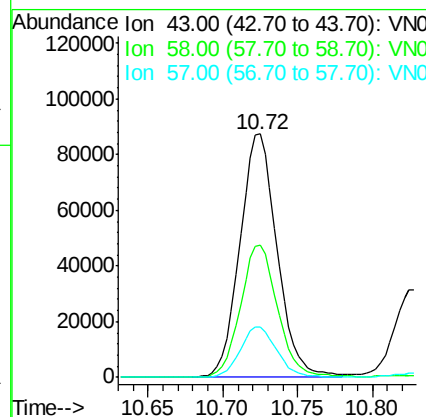
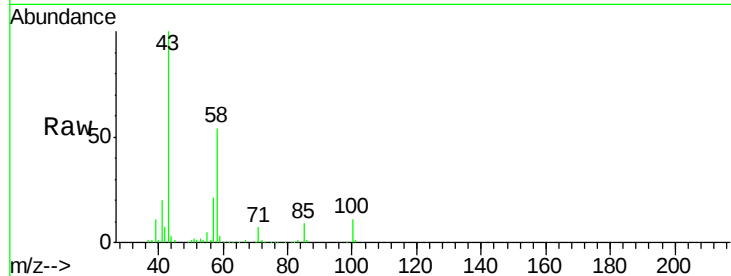




#59
2-Hexanone
Concen: 90.350 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062934.D
Acq: 14 Aug 2020 11:35

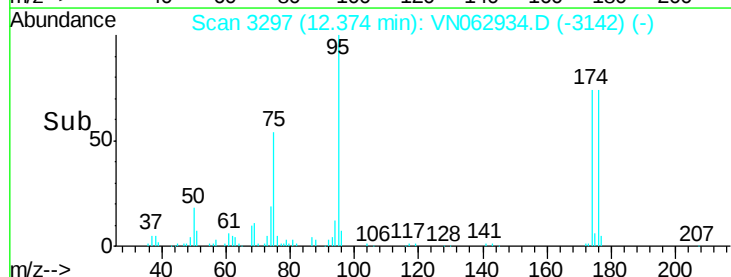
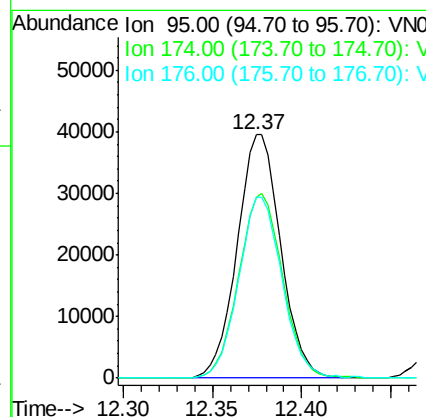
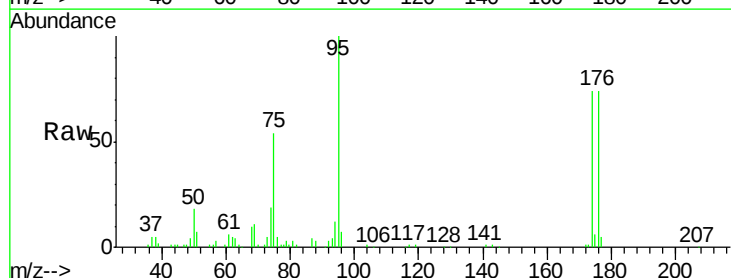
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

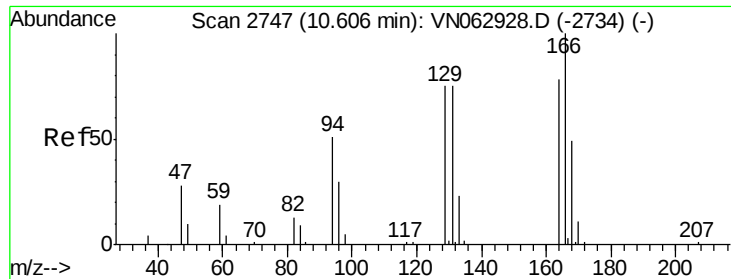
Tgt Ion: 43 Resp: 150824
Ion Ratio Lower Upper
43 100
58 54.4 41.8 62.6
57 20.4 16.2 24.2



#60
4-Bromofluorobenzene
Concen: 29.021 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. -0.00 min
Lab File: VN062934.D
Acq: 14 Aug 2020 11:35

Tgt Ion: 95 Resp: 67150
Ion Ratio Lower Upper
95 100
174 76.5 60.9 91.3
176 74.0 57.8 86.8

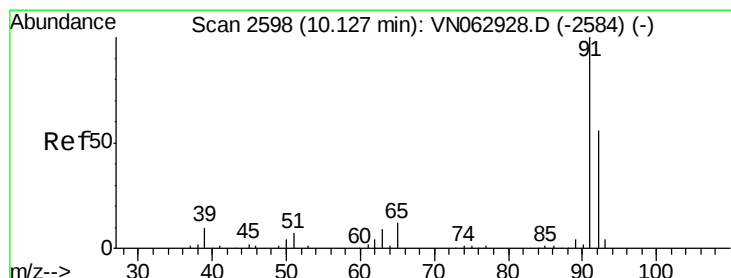
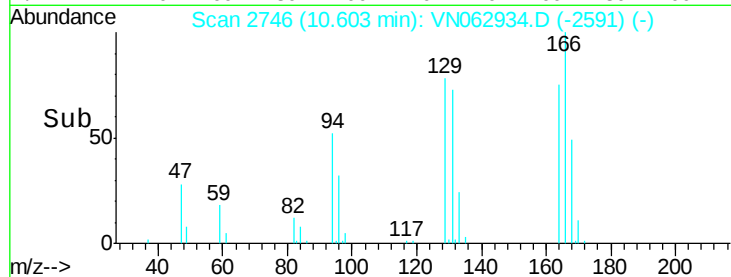
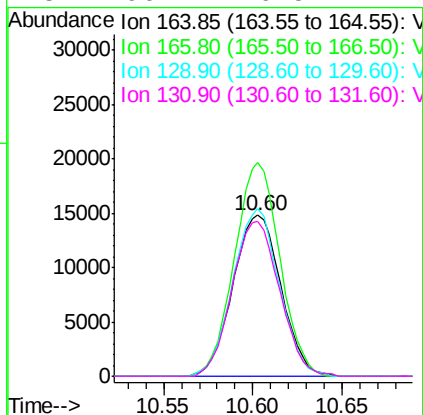
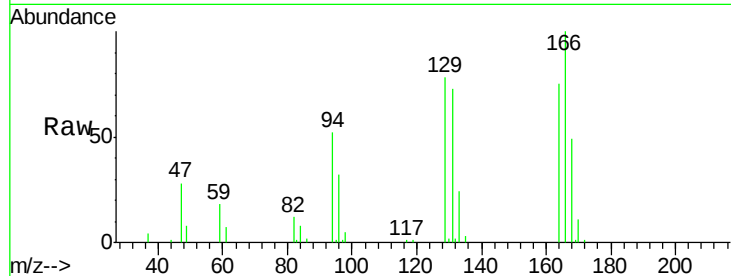




#61
Tetrachloroethene
Concen: 20.534 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062934.D
Acq: 14 Aug 2020 11:35

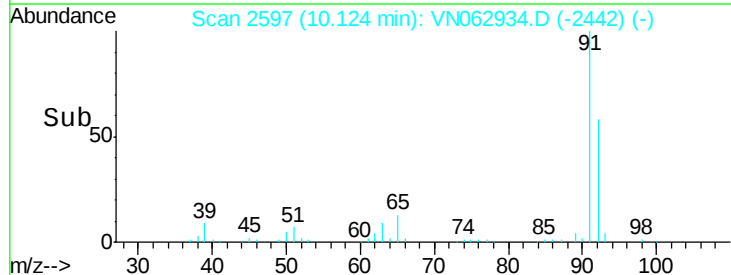
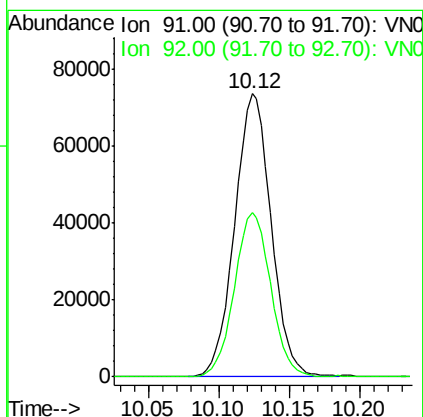
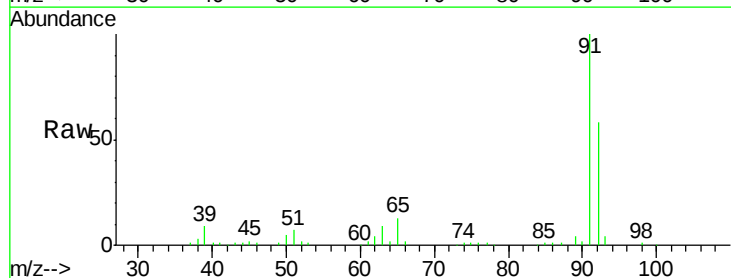
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

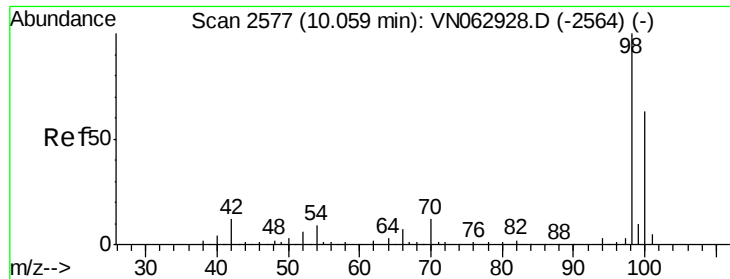
Tgt Ion:	164	Resp:	27892
Ion	Ratio	Lower	Upper
164	100		
166	132.6	101.9	152.9
129	104.0	76.4	114.6
131	96.1	76.5	114.7



#62
Toluene
Concen: 19.276 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN062934.D
Acq: 14 Aug 2020 11:35

Tgt Ion:	91	Resp:	133536
Ion	Ratio	Lower	Upper
91	100		
92	57.8	45.2	67.8





#63

Toluene-d8

Concen: 30.039 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062934.D

Acq: 14 Aug 2020 11:35

Instrument :

MSVOA_X

ClientSampleId :

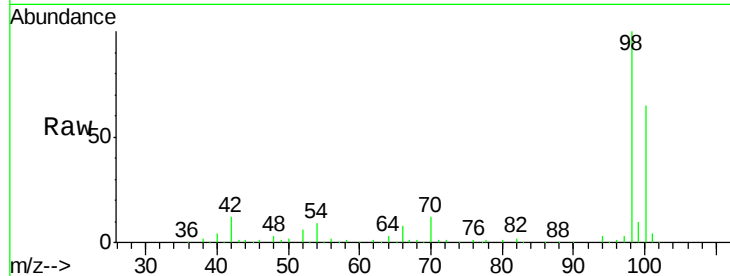
VSTDCCC020

Tgt Ion: 98 Resp: 184552

Ion Ratio Lower Upper

98 100

100 64.0 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN062928.D (-2564) (-)

Ion 100.00 (99.70 to 100.70): VN062928.D (-2564) (-)

100000

80000

60000

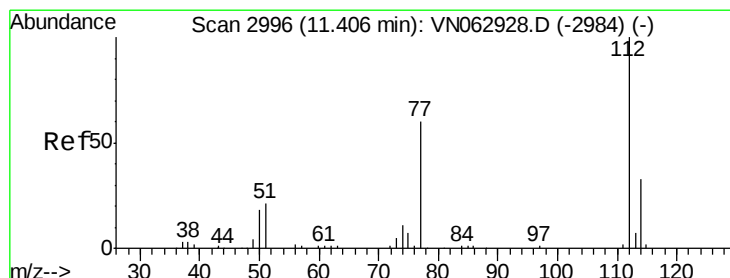
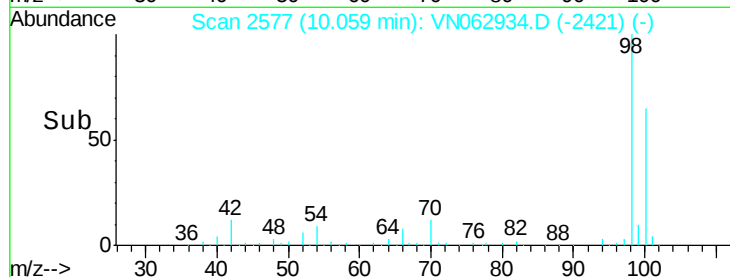
40000

20000

0

10.00 10.05 10.10

Time-->



#64

Chlorobenzene

Concen: 19.324 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN062934.D

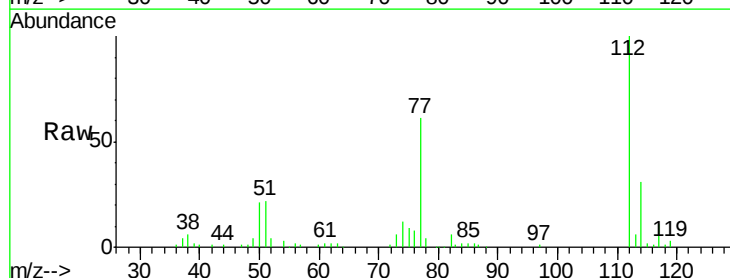
Acq: 14 Aug 2020 11:35

Tgt Ion: 112 Resp: 83978

Ion Ratio Lower Upper

112 100

114 31.1 26.2 39.2



Abundance Ion 112.00 (111.70 to 112.70): VN062928.D (-2984) (-)

Ion 114.00 (113.70 to 114.70): VN062928.D (-2984) (-)

50000

40000

30000

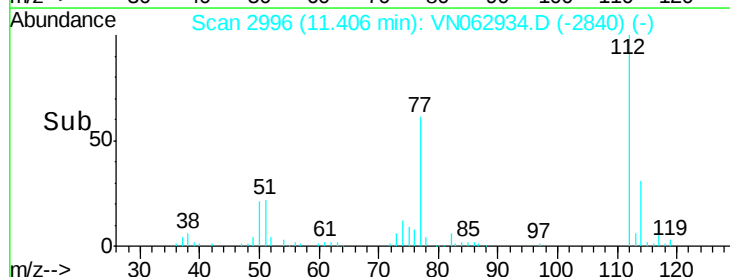
20000

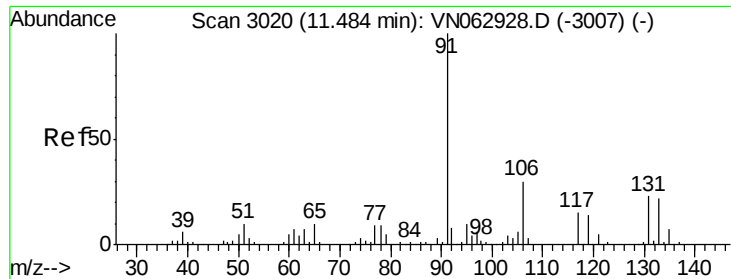
10000

0

11.35 11.40 11.45

Time-->

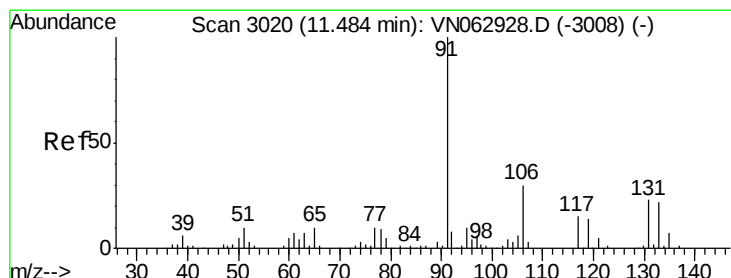
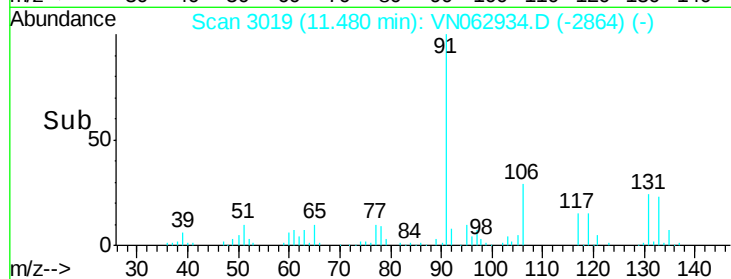
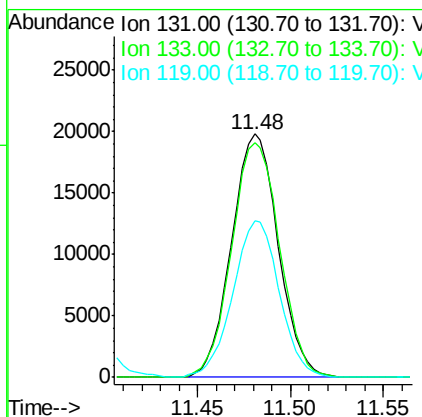
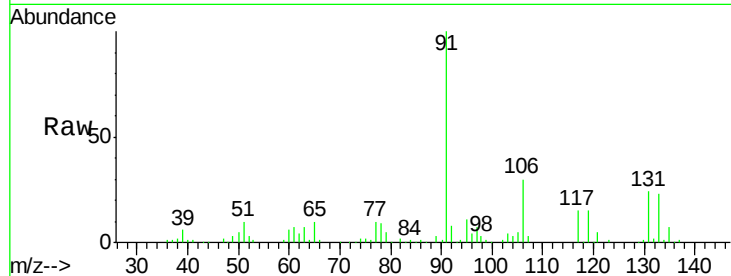




#65
 1,1,1,2-Tetrachloroethane
 Concen: 19.279 ug/l
 RT: 11.48 min Scan# 3019
 Delta R.T. -0.00 min
 Lab File: VN062934.D
 Acq: 14 Aug 2020 11:35

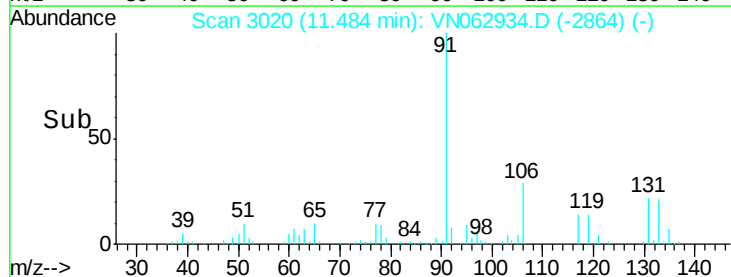
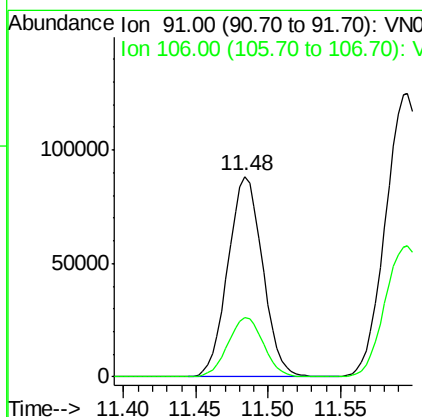
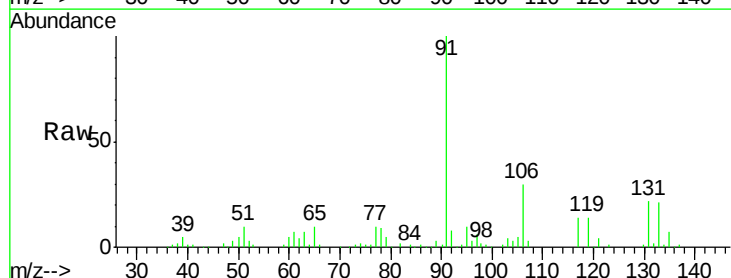
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC020

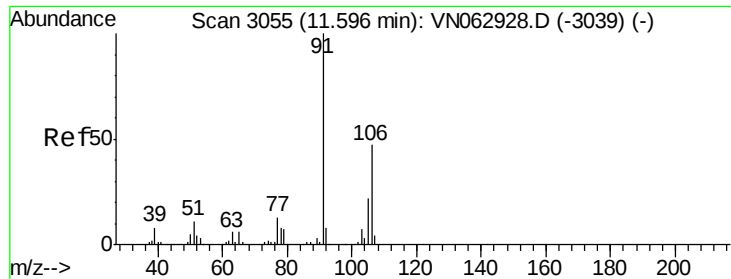
Tgt Ion: 131 Resp: 34645
 Ion Ratio Lower Upper
 131 100
 133 99.1 0.0 192.6
 119 63.8 0.0 125.4



#66
 Ethyl Benzene
 Concen: 19.100 ug/l
 RT: 11.48 min Scan# 3020
 Delta R.T. 0.00 min
 Lab File: VN062934.D
 Acq: 14 Aug 2020 11:35

Tgt Ion: 91 Resp: 147302
 Ion Ratio Lower Upper
 91 100
 106 29.6 24.0 36.0





#67

m/p-Xylenes

Concen: 40.142 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VN062934.D

Acq: 14 Aug 2020 11:35

Instrument :

MSVOA_X

ClientSampleId :

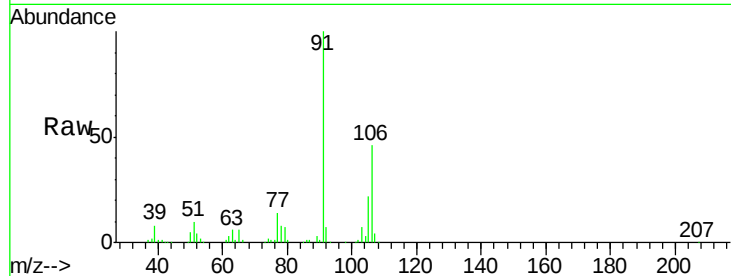
VSTDCCC020

Tgt Ion:106 Resp: 114599

Ion Ratio Lower Upper

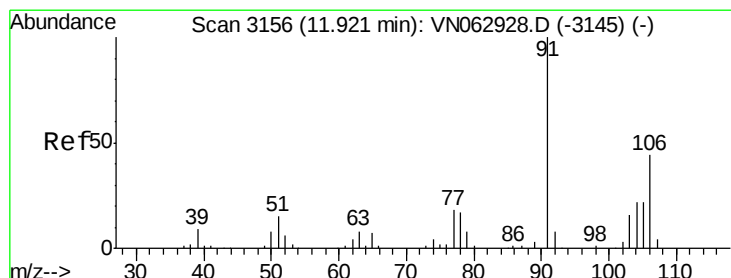
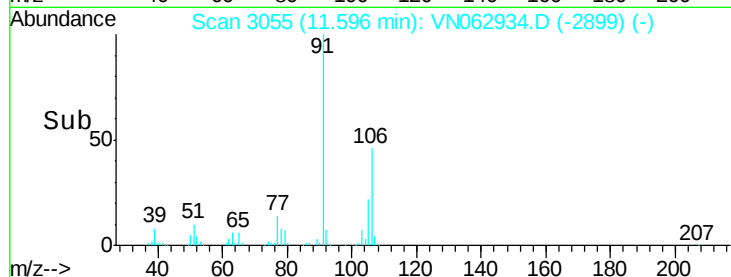
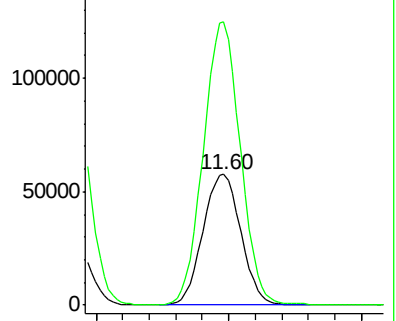
106 100

91 210.7 171.0 256.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 19.040 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VN062934.D

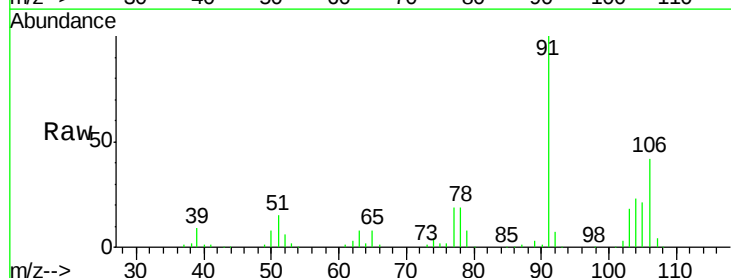
Acq: 14 Aug 2020 11:35

Tgt Ion:106 Resp: 52181

Ion Ratio Lower Upper

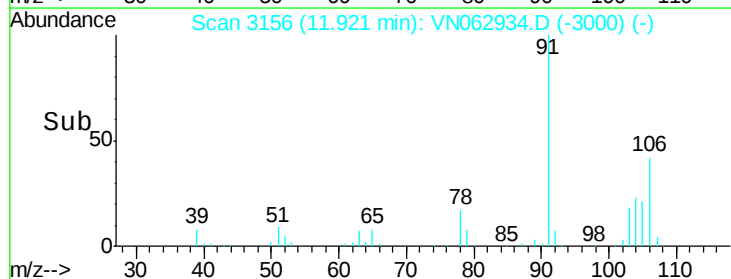
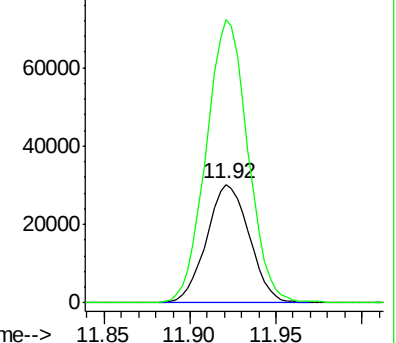
106 100

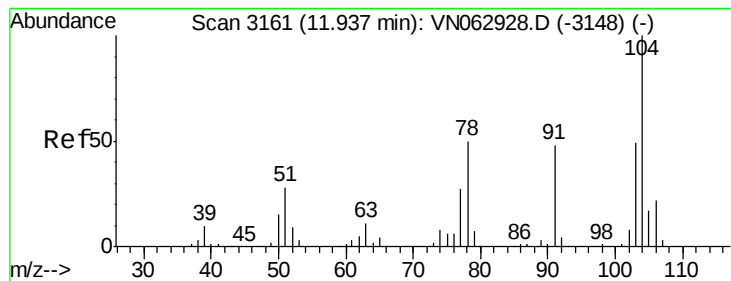
91 232.8 115.4 346.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





#69

Styrene

Concen: 19.191 ug/l

RT: 11.94 min Scan# 3161

Delta R.T. 0.00 min

Lab File: VN062934.D

Acq: 14 Aug 2020 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

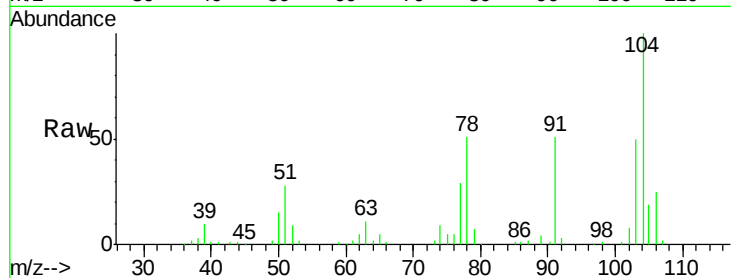
Tgt Ion:104 Resp: 93387

Ion Ratio Lower Upper

104 100

78 55.9 44.4 66.6

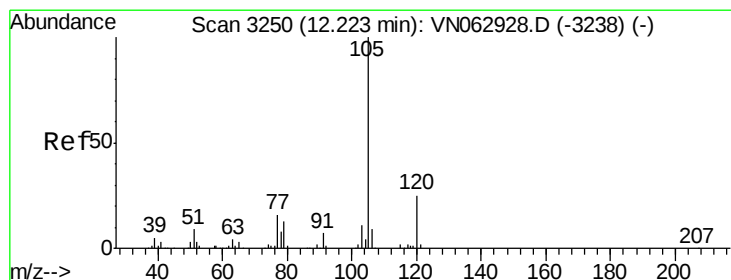
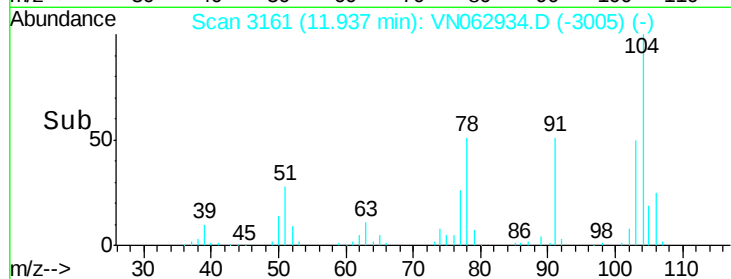
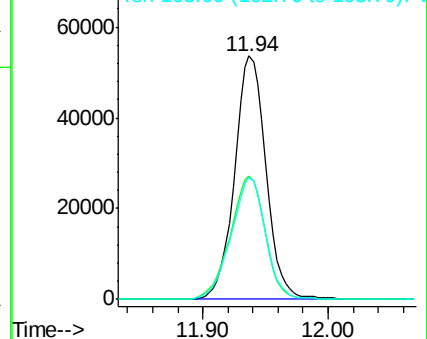
103 54.3 44.0 66.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 19.377 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062934.D

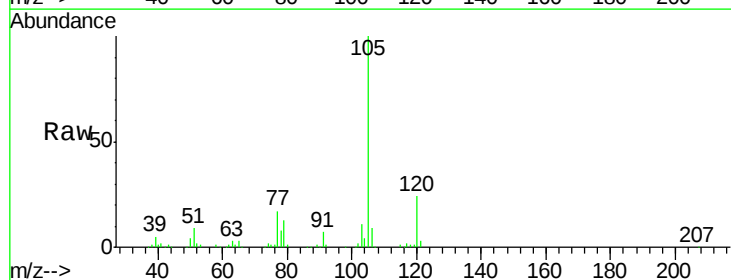
Acq: 14 Aug 2020 11:35

Tgt Ion:105 Resp: 151123

Ion Ratio Lower Upper

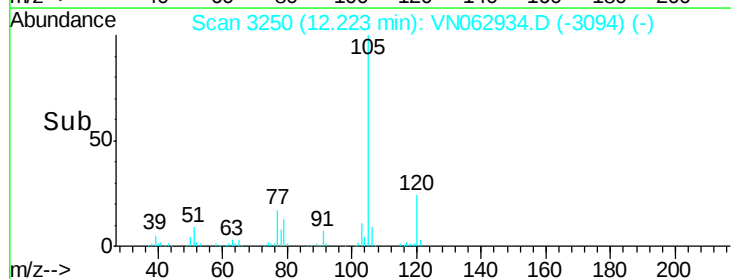
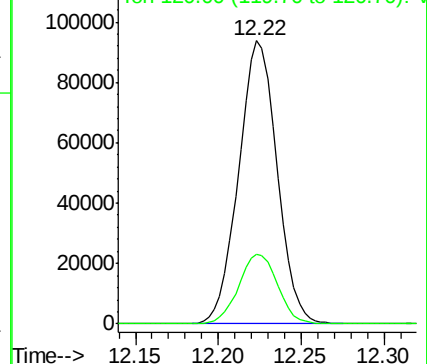
105 100

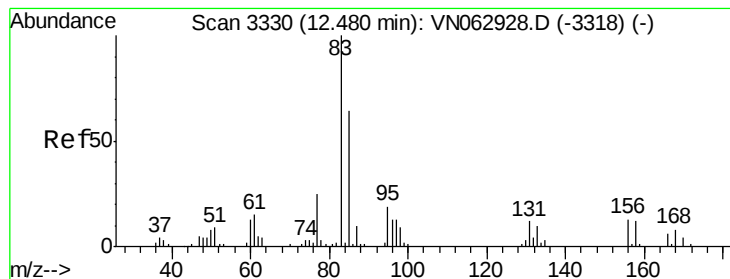
120 24.9 18.0 33.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 19.459 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN062934.D

Acq: 14 Aug 2020 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

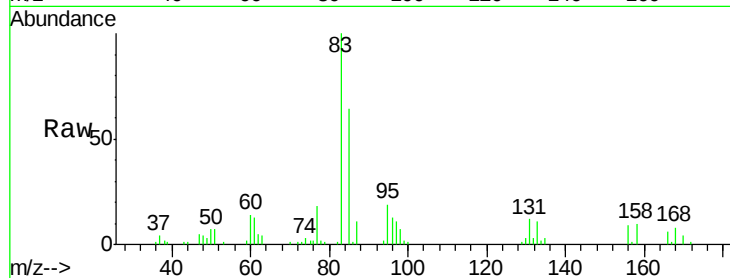
Tgt Ion: 83 Resp: 49954

Ion Ratio Lower Upper

83 100

131 11.3 5.5 16.4

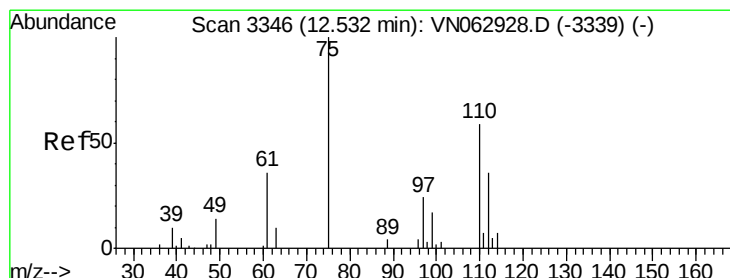
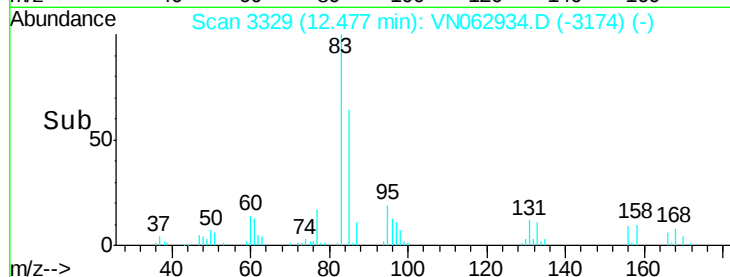
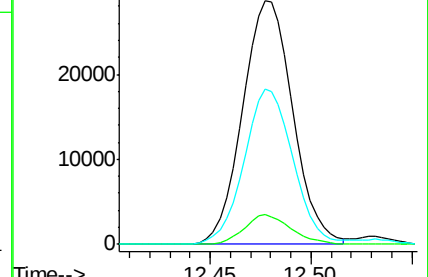
85 62.1 31.7 95.1



Abundance Ion 83.00 (82.70 to 83.70): VN062928.D (-3318) (-)

Ion 131.00 (130.70 to 131.70): VN062928.D (-3318) (-)

Ion 85.00 (84.70 to 85.70): VN062928.D (-3318) (-)



#72

1,2,3-Trichloropropane

Concen: 25.491 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN062934.D

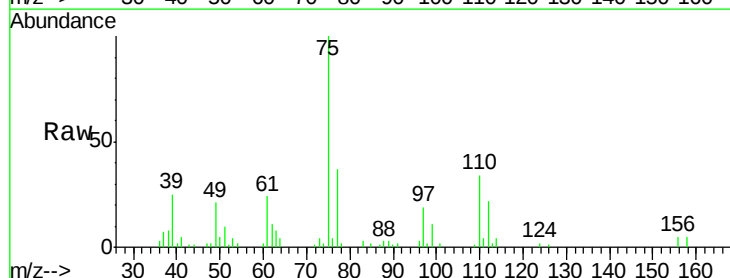
Acq: 14 Aug 2020 11:35

Tgt Ion: 75 Resp: 64805

Ion Ratio Lower Upper

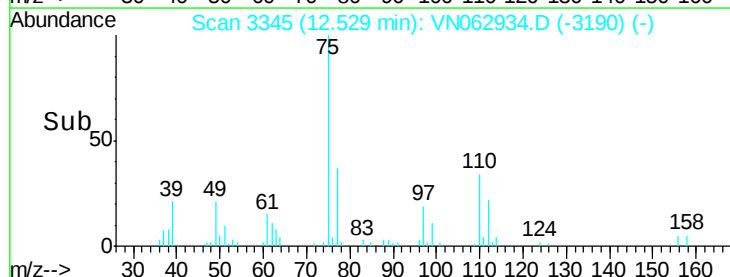
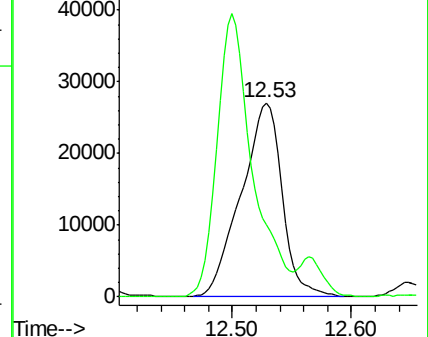
75 100

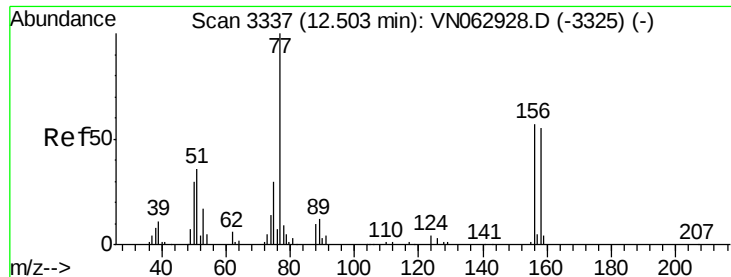
77 126.3 0.0 313.0



Abundance Ion 75.00 (74.70 to 75.70): VN062928.D (-3339) (-)

Ion 77.00 (76.70 to 77.70): VN062928.D (-3339) (-)

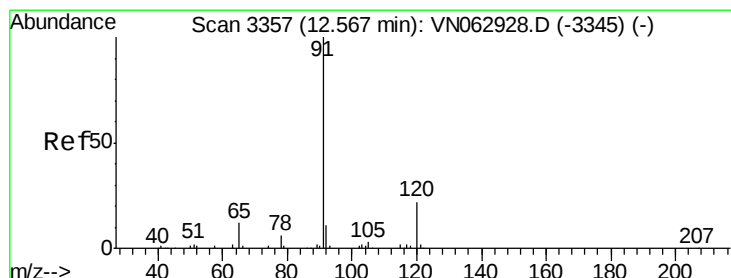
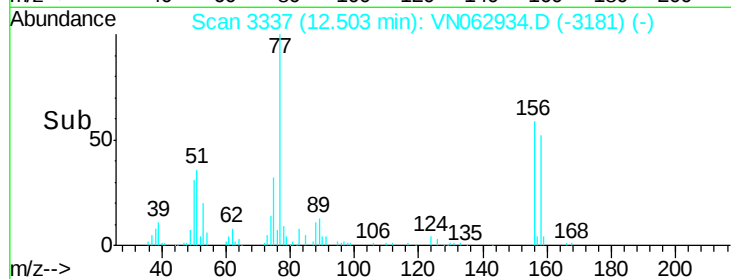
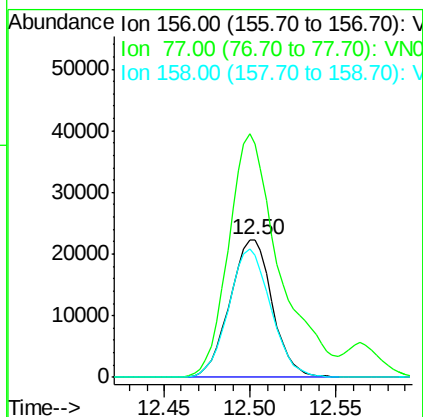
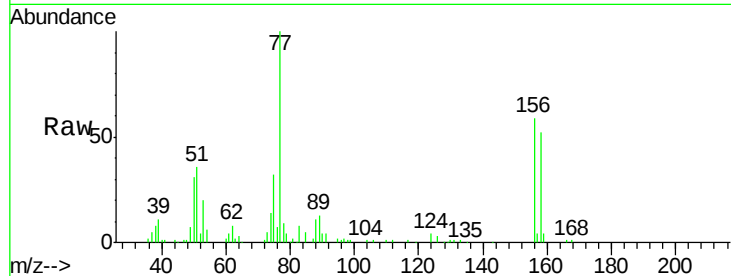




#73
Bromobenzene
Concen: 20.075 ug/l
RT: 12.50 min Scan# 3337
Delta R.T. 0.00 min
Lab File: VN062934.D
Acq: 14 Aug 2020 11:35

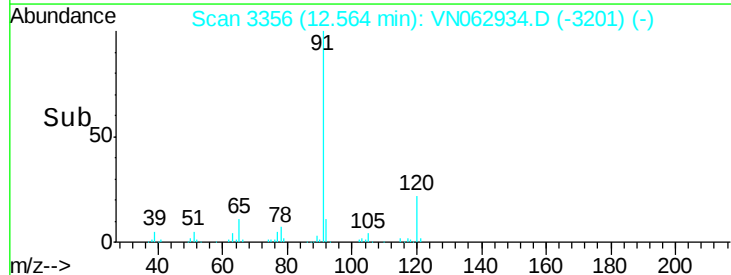
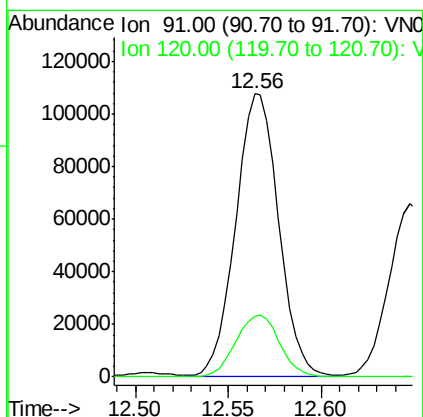
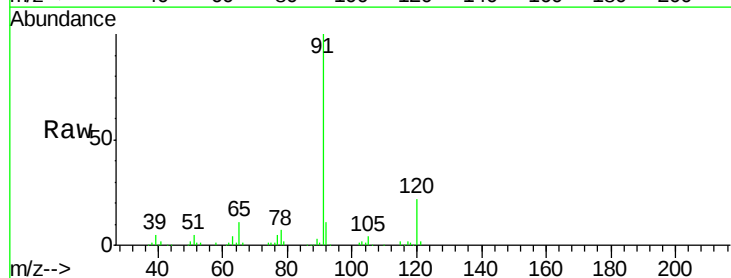
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020

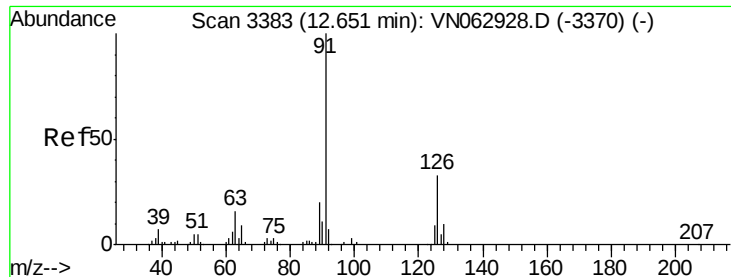
Tgt Ion:156 Resp: 38389
Ion Ratio Lower Upper
156 100
77 213.2 0.0 448.4
158 93.3 0.0 195.0



#74
n-propylbenzene
Concen: 19.269 ug/l
RT: 12.56 min Scan# 3356
Delta R.T. -0.00 min
Lab File: VN062934.D
Acq: 14 Aug 2020 11:35

Tgt Ion: 91 Resp: 173418
Ion Ratio Lower Upper
91 100
120 22.4 0.0 43.4





#75

2-Chlorotoluene

Concen: 19.326 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062934.D

Acq: 14 Aug 2020 11:35

Instrument :

MSVOA_X

ClientSampled :

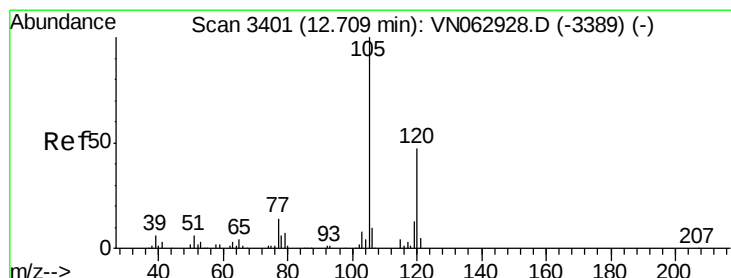
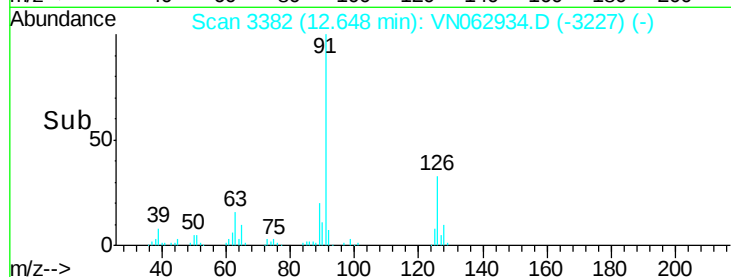
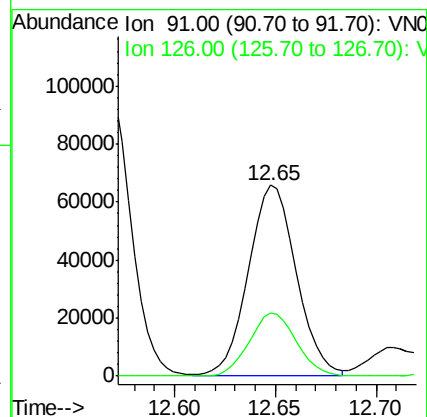
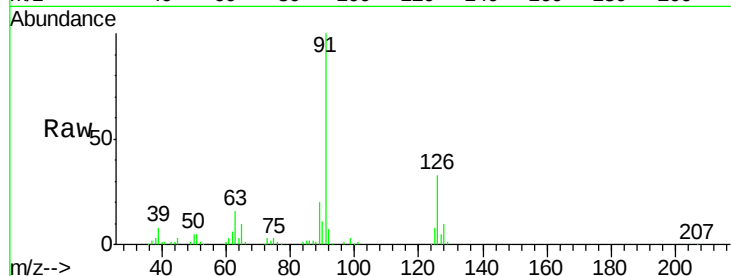
VSTDCCC020

Tgt Ion: 91 Resp: 109192

Ion Ratio Lower Upper

91 100

126 32.6 0.0 63.0



#76

1,3,5-Trimethylbenzene

Concen: 19.454 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062934.D

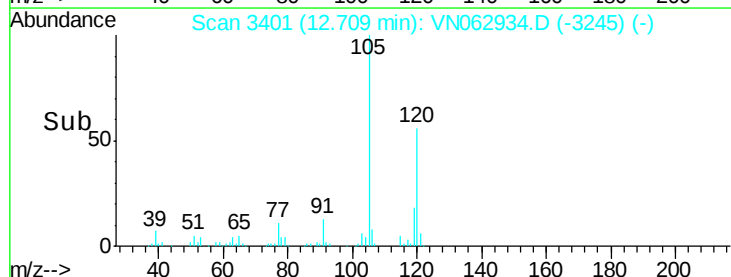
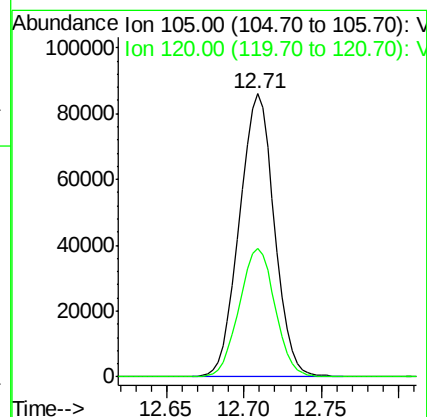
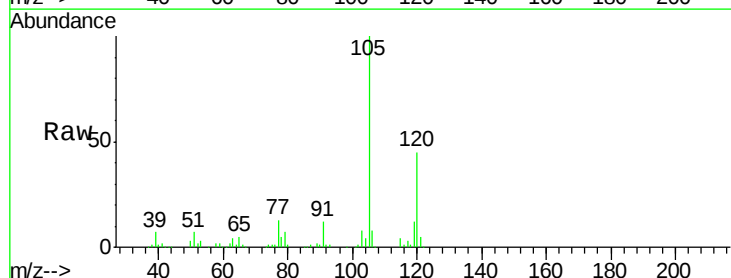
Acq: 14 Aug 2020 11:35

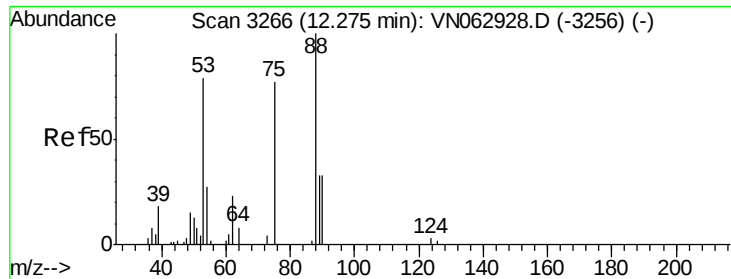
Tgt Ion: 105 Resp: 134902

Ion Ratio Lower Upper

105 100

120 46.5 0.0 92.4





#77

t-1,4-Dichloro-2-butene

Concen: 18.087 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN062934.D

Acq: 14 Aug 2020 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

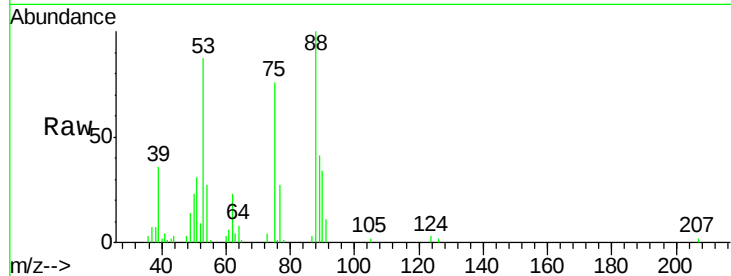
Tgt Ion: 75 Resp: 14807

Ion Ratio Lower Upper

75 100

53 112.8 52.3 157.1

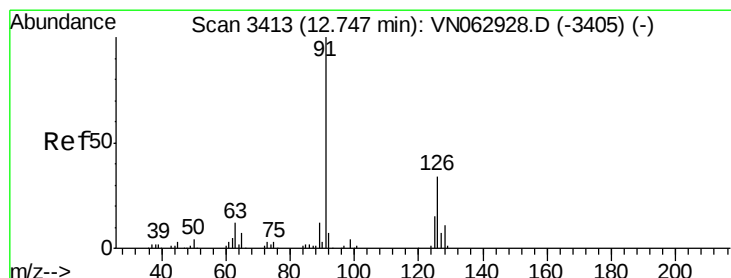
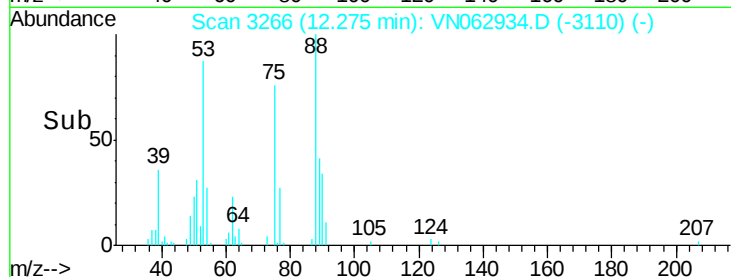
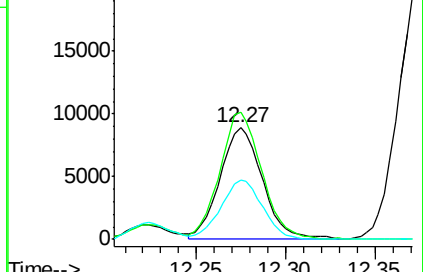
89 53.5 23.4 70.3



Abundance Ion 75.00 (74.70 to 75.70): VN062928.D (-3256) (-)

Ion 53.00 (52.70 to 53.70): VN062928.D (-3256) (-)

Ion 89.00 (88.70 to 89.70): VN062928.D (-3256) (-)



#78

4-Chlorotoluene

Concen: 19.231 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN062934.D

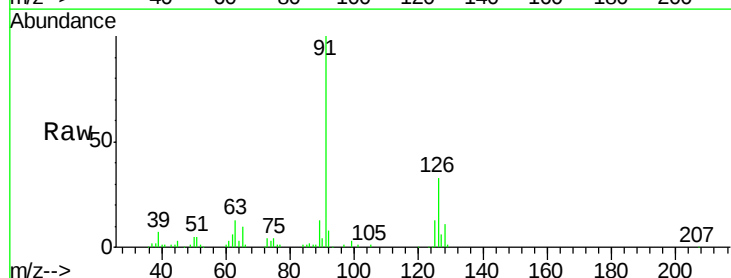
Acq: 14 Aug 2020 11:35

Tgt Ion: 91 Resp: 110512

Ion Ratio Lower Upper

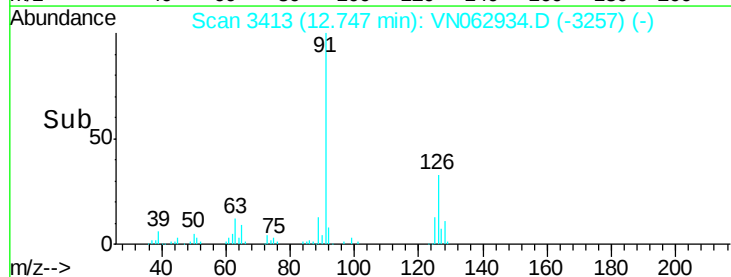
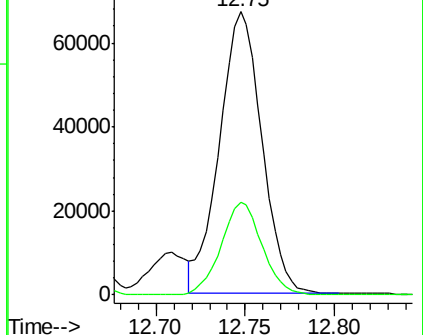
91 100

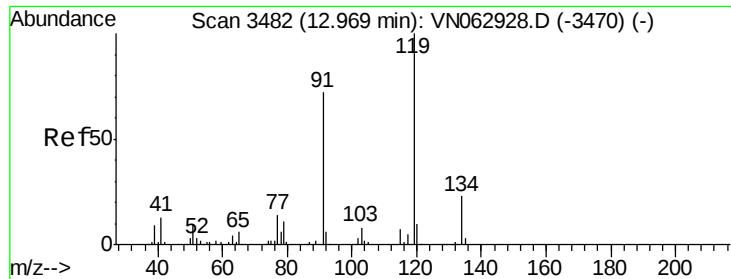
126 31.8 0.0 63.0



Abundance Ion 91.00 (90.70 to 91.70): VN062928.D (-3405) (-)

Ion 126.00 (125.70 to 126.70): VN062928.D (-3405) (-)

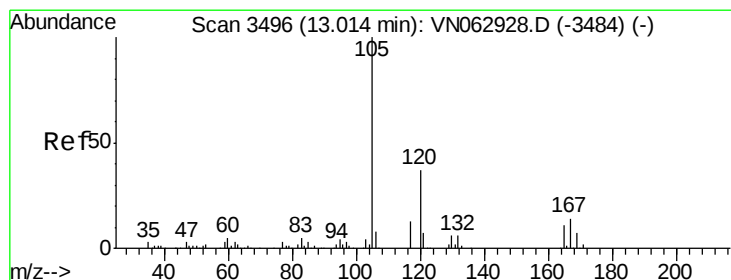
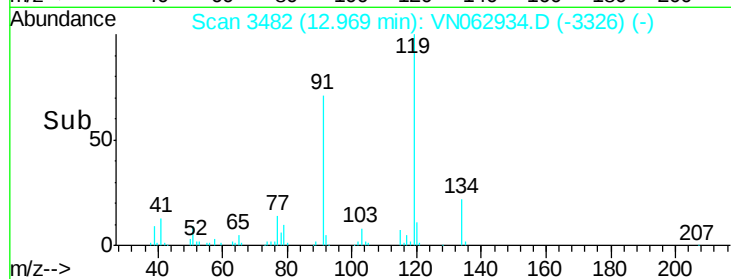
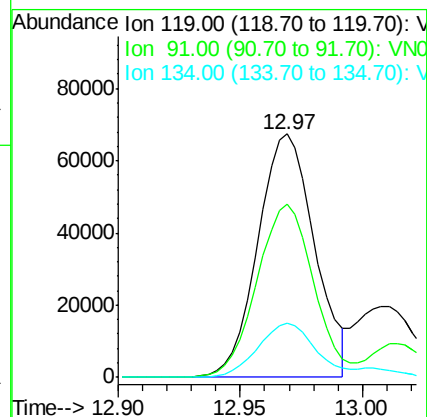
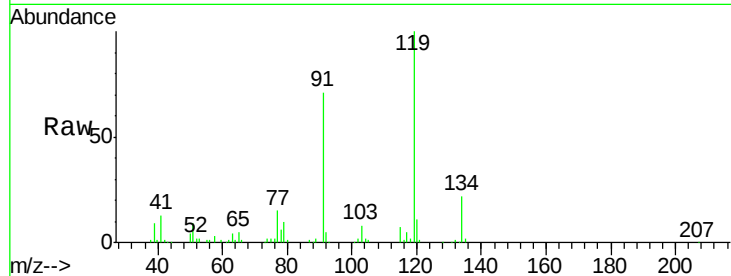




#79
tert-butylbenzene
Concen: 18.990 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN062934.D
Acq: 14 Aug 2020 11:35

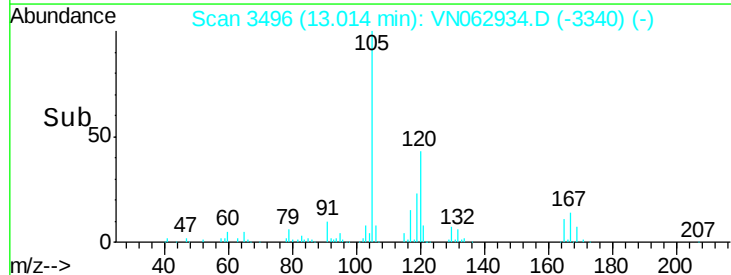
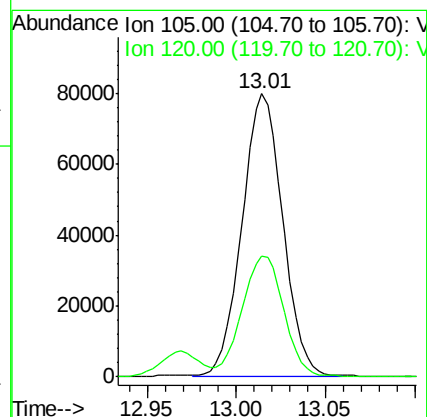
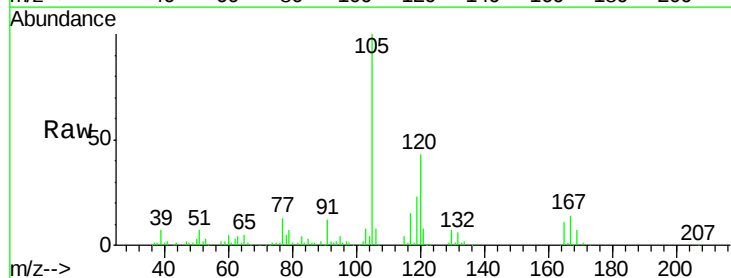
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

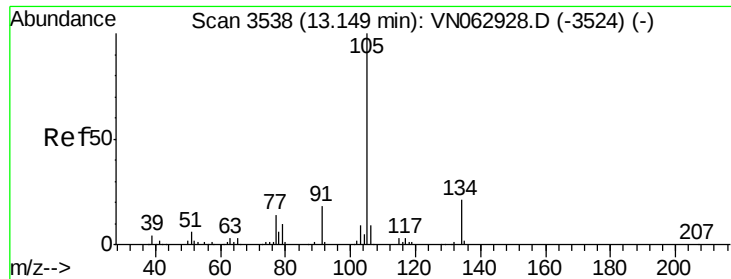
Tgt Ion:119 Resp: 108770
Ion Ratio Lower Upper
119 100
91 71.7 0.0 145.0
134 22.6 0.0 44.6



#80
1,2,4-Trimethylbenzene
Concen: 18.878 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN062934.D
Acq: 14 Aug 2020 11:35

Tgt Ion:105 Resp: 127934
Ion Ratio Lower Upper
105 100
120 44.0 0.0 86.6

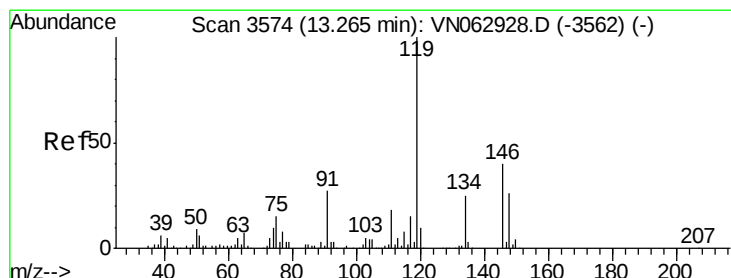
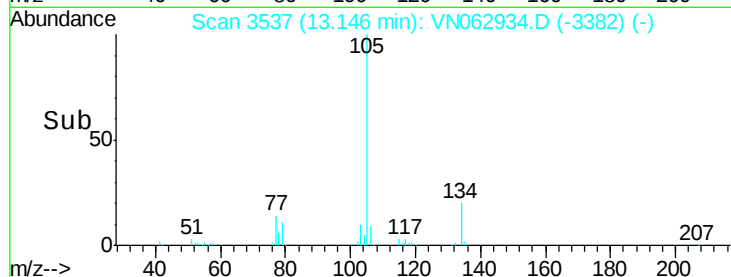
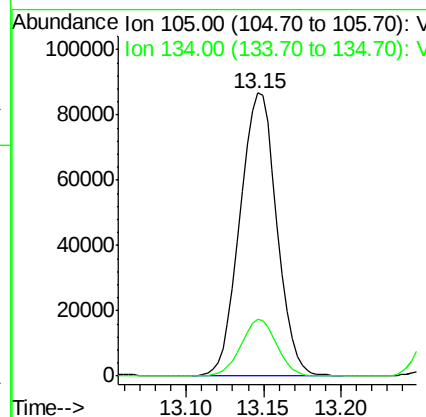
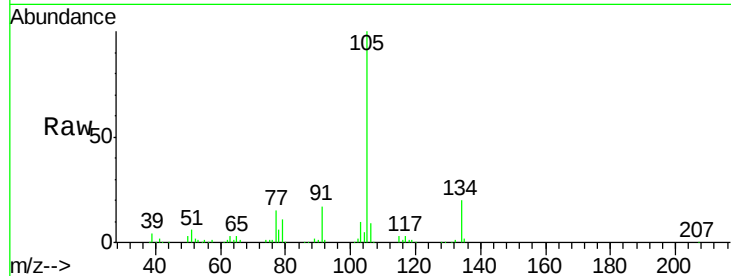




#81
 sec-Butylbenzene
 Concen: 18.910 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN062934.D
 Acq: 14 Aug 2020 11:35

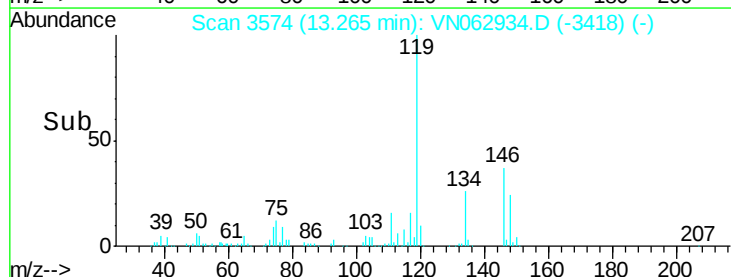
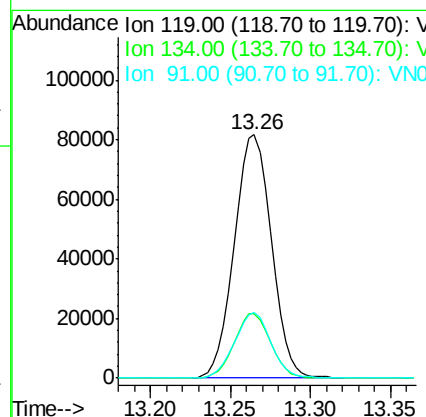
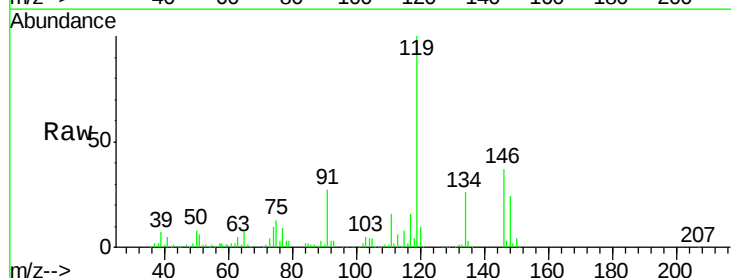
Instrument :
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 ClientSampleId :
 VSTDCCC020

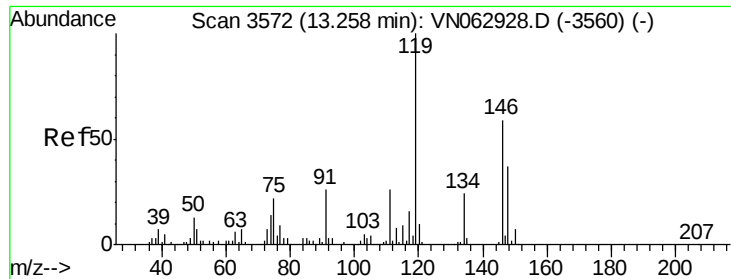
Tgt Ion:105 Resp: 142995
 Ion Ratio Lower Upper
 105 100
 134 19.5 0.0 39.4



#82
 p-Isopropyltoluene
 Concen: 19.130 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN062934.D
 Acq: 14 Aug 2020 11:35

Tgt Ion:119 Resp: 129339
 Ion Ratio Lower Upper
 119 100
 134 25.8 0.0 49.6
 91 26.4 0.0 53.6

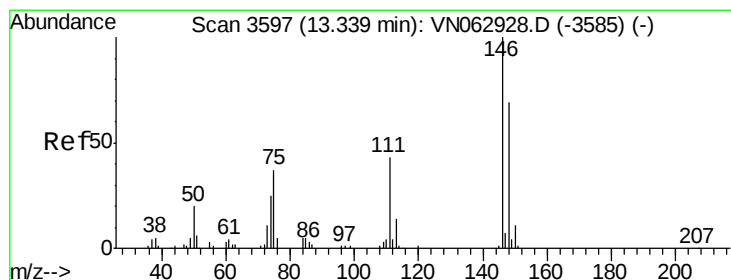
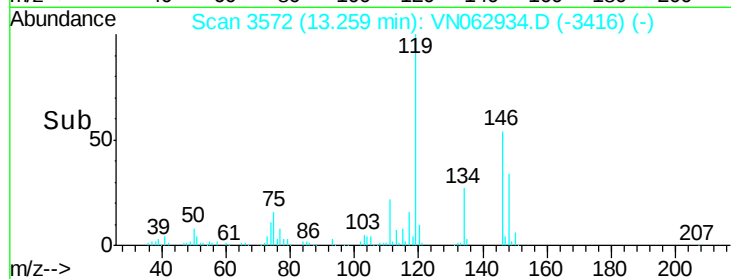
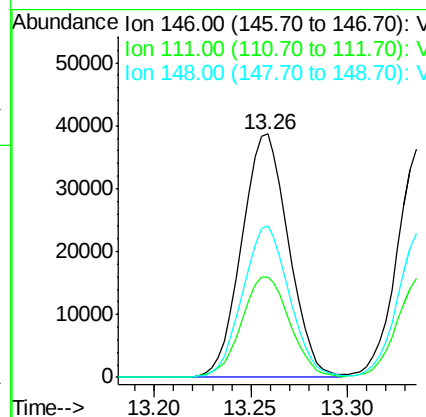
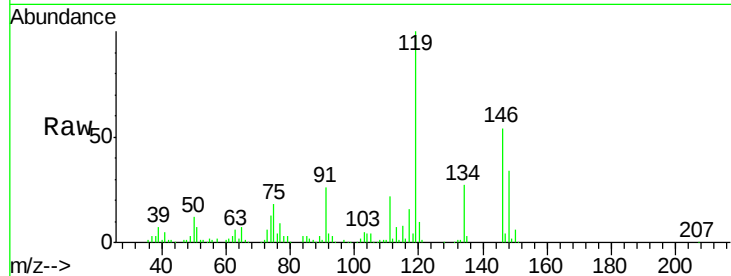




#83
 1,3-Dichlorobenzene
 Concen: 19.488 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062934.D
 Acq: 14 Aug 2020 11:35

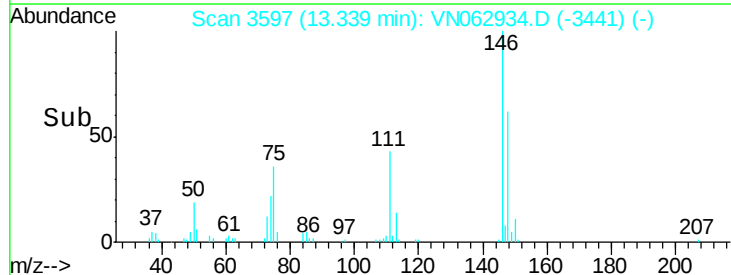
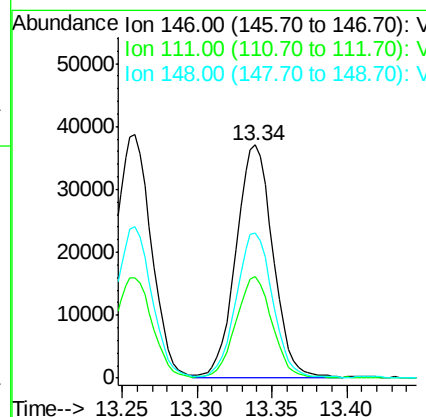
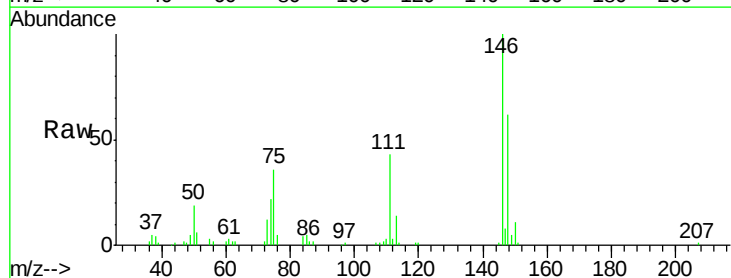
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

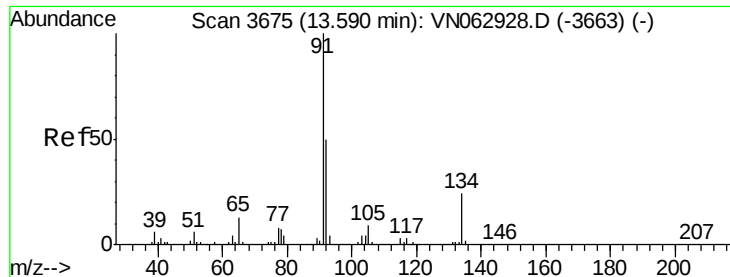
Tgt Ion:146 Resp: 65305
 Ion Ratio Lower Upper
 146 100
 111 42.2 22.4 67.2
 148 62.0 31.6 94.7



#84
 1,4-Dichlorobenzene
 Concen: 19.480 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062934.D
 Acq: 14 Aug 2020 11:35

Tgt Ion:146 Resp: 64092
 Ion Ratio Lower Upper
 146 100
 111 42.4 21.6 64.8
 148 61.5 33.3 99.9

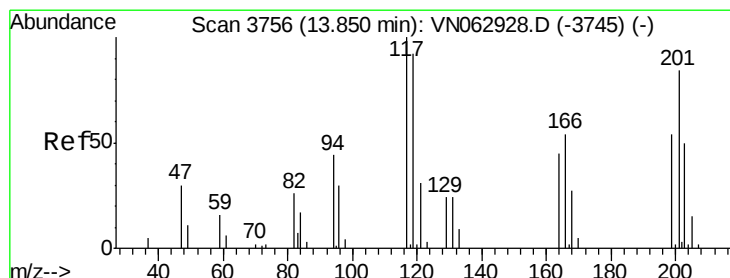
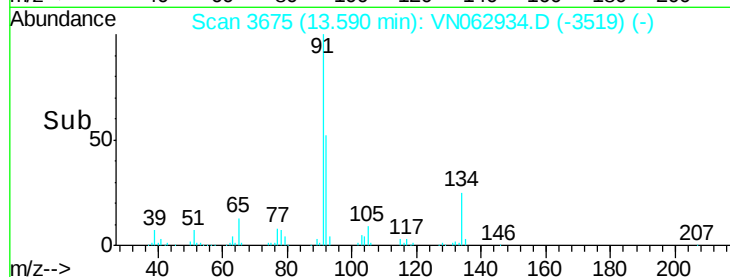
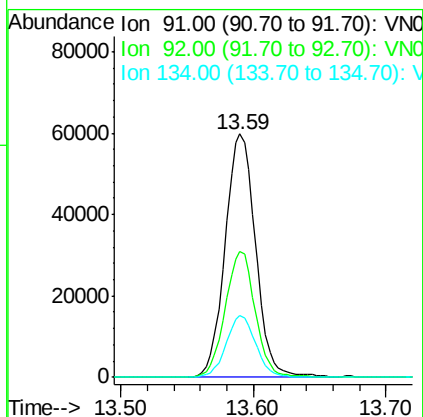
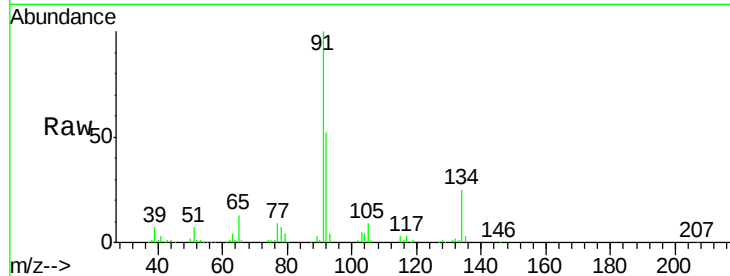




#85
n-Butylbenzene
Concen: 16.593 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN062934.D
Acq: 14 Aug 2020 11:35

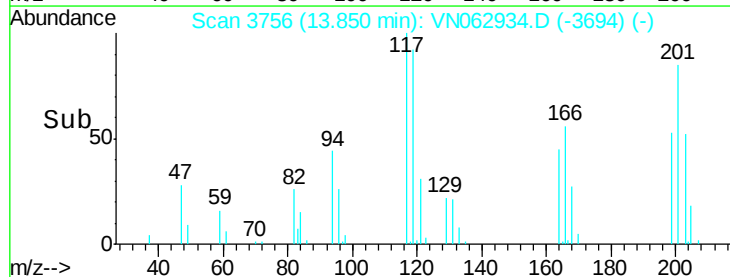
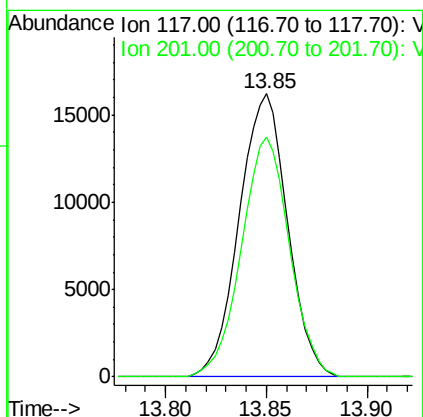
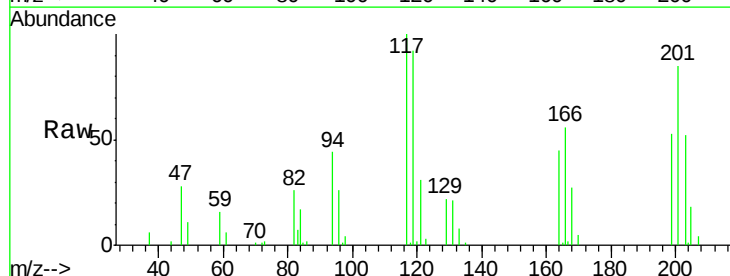
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

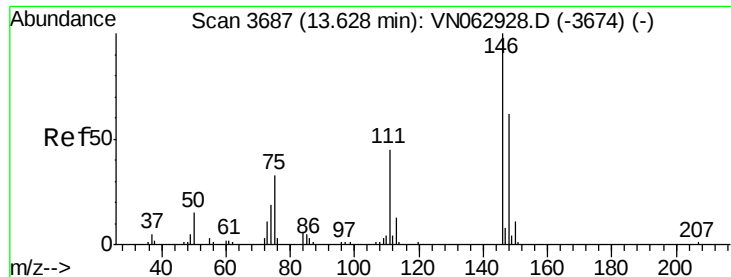
Tgt Ion: 91 Resp: 95634
Ion Ratio Lower Upper
91 100
92 50.8 0.0 97.2
134 24.7 0.0 48.4



#86
Hexachloroethane
Concen: 18.547 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN062934.D
Acq: 14 Aug 2020 11:35

Tgt Ion: 117 Resp: 27166
Ion Ratio Lower Upper
117 100
201 84.1 40.9 122.7

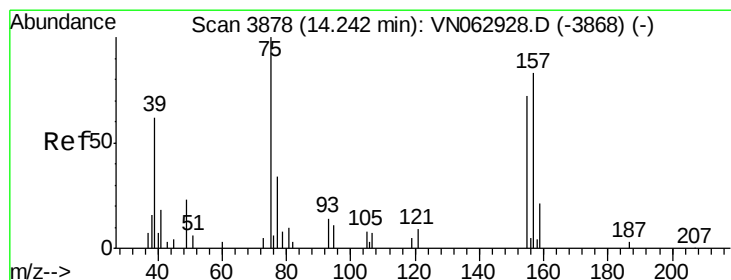
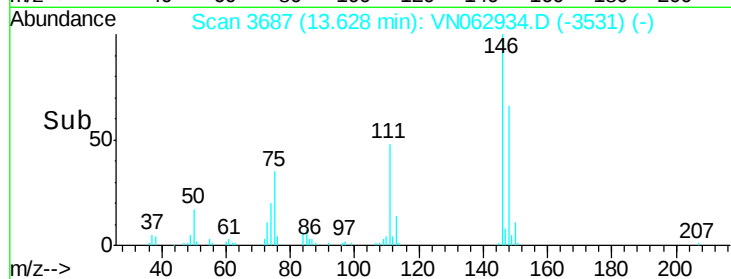
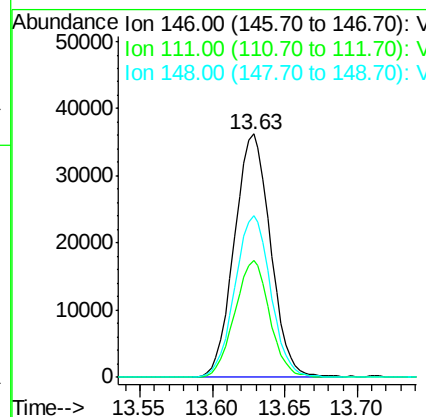
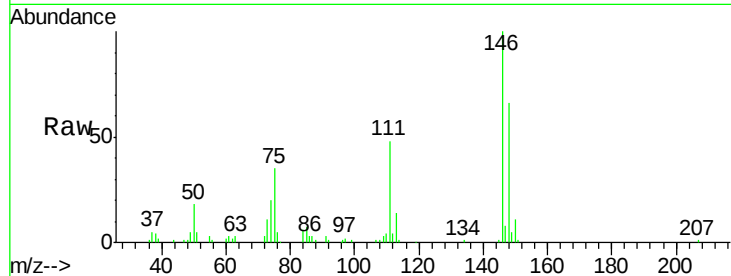




#87
 1,2-Dichlorobenzene
 Concen: 18.174 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN062934.D
 Acq: 14 Aug 2020 11:35

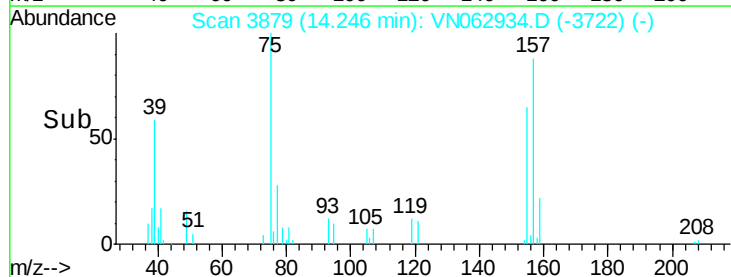
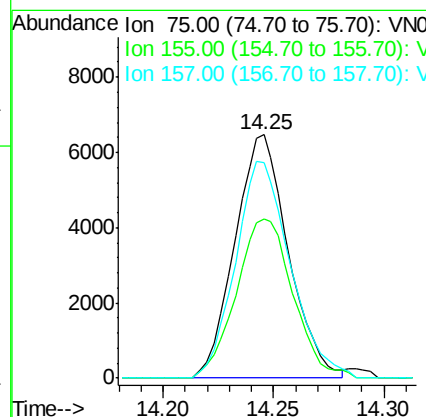
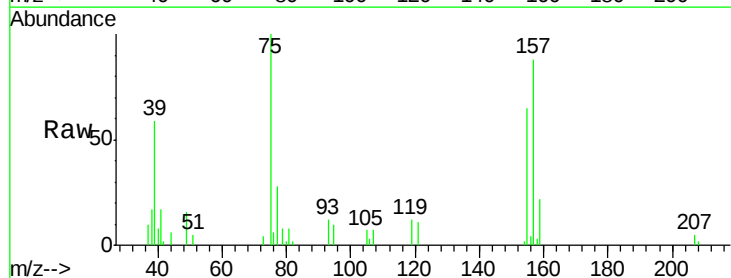
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

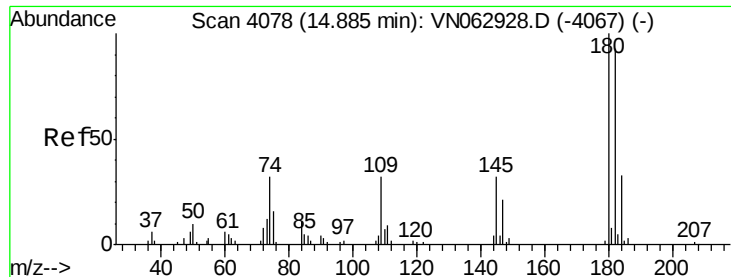
Tgt Ion: 146 Resp: 62859
 Ion Ratio Lower Upper
 146 100
 111 46.1 23.3 69.8
 148 65.6 31.3 93.8



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.942 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN062934.D
 Acq: 14 Aug 2020 11:35

Tgt Ion: 75 Resp: 10863
 Ion Ratio Lower Upper
 75 100
 155 69.1 59.8 89.8
 157 91.2 71.6 107.4

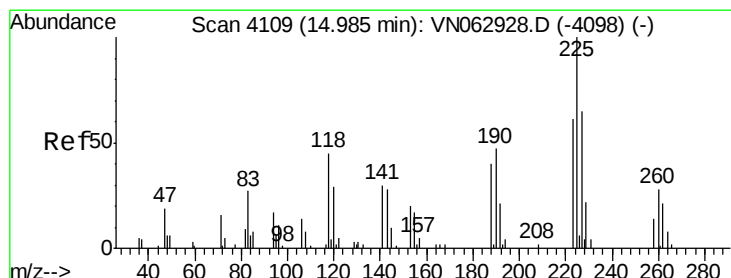
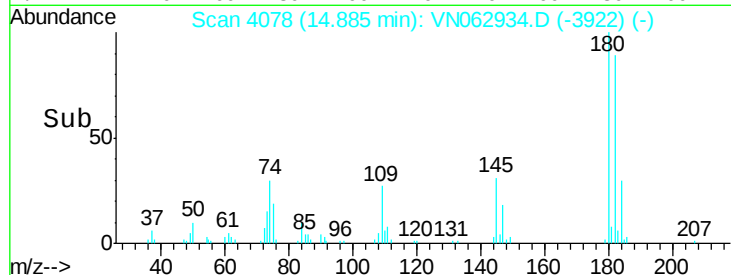
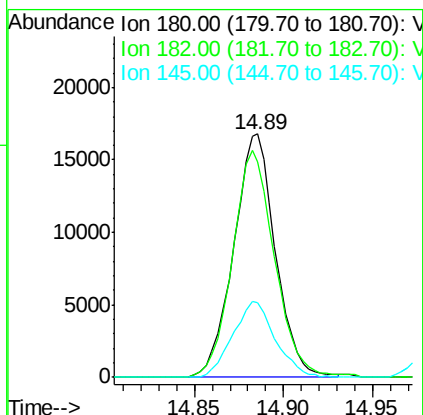
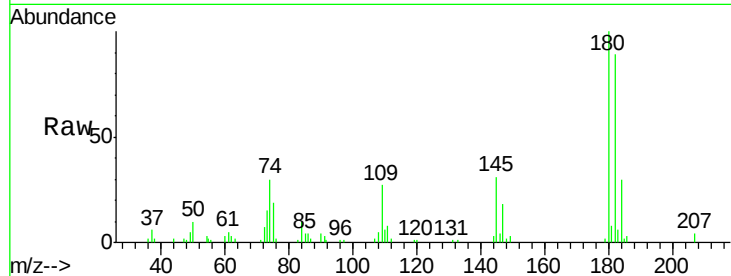




#89
 1,2,4-Trichlorobenzene
 Concen: 17.190 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN062934.D
 Acq: 14 Aug 2020 11:35

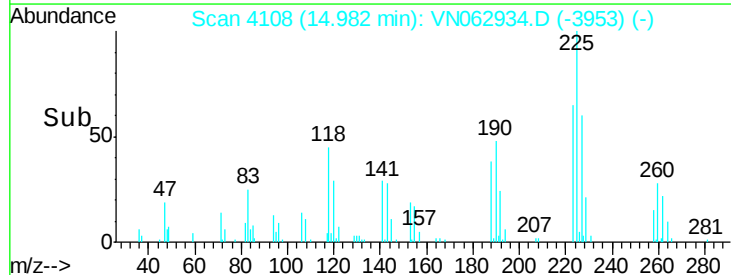
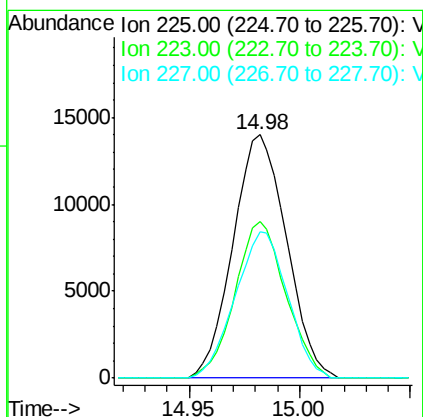
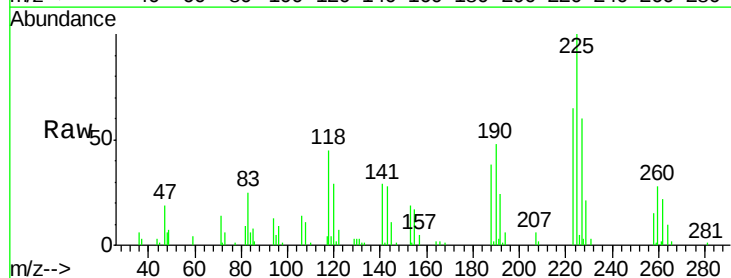
Instrument :
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 ClientSampleId :
 VSTDCCC020

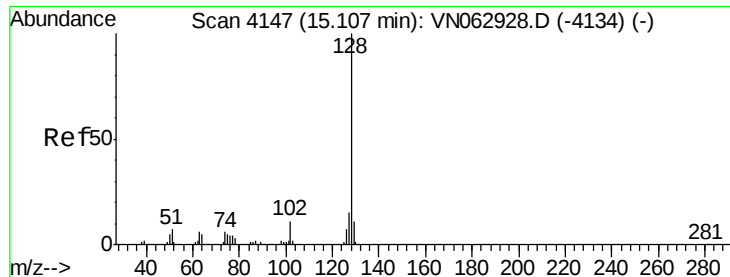
Tgt Ion:180 Resp: 27384
 Ion Ratio Lower Upper
 180 100
 182 93.9 75.3 112.9
 145 31.7 25.4 38.2



#90
 Hexachlorobutadiene
 Concen: 22.120 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062934.D
 Acq: 14 Aug 2020 11:35

Tgt Ion:225 Resp: 23542
 Ion Ratio Lower Upper
 225 100
 223 61.2 0.0 129.8
 227 58.8 0.0 133.6





#91

Naphthalene

Concen: 14.678 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN062934.D

Acq: 14 Aug 2020 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

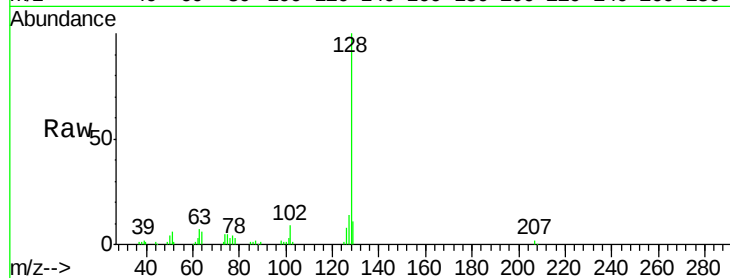
Tgt Ion:128 Resp: 63299

Ion Ratio Lower Upper

128 100

127 14.1 11.6 17.4

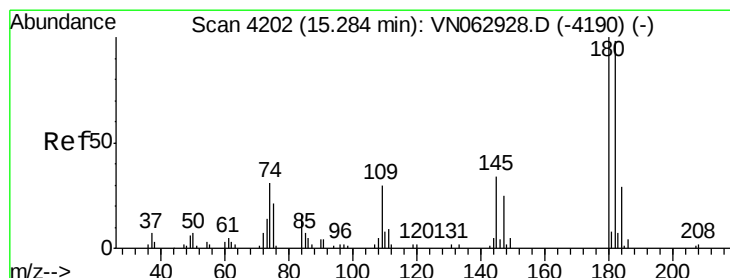
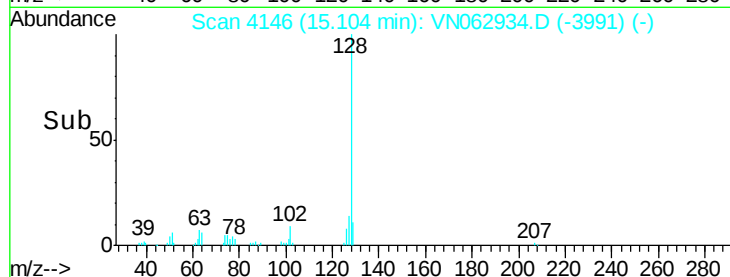
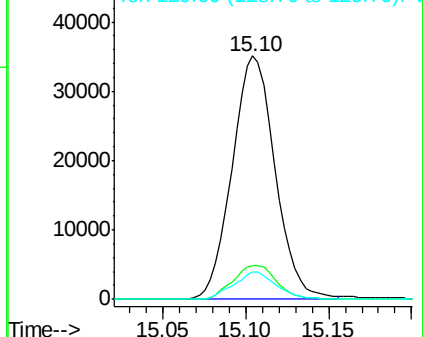
129 11.1 8.4 12.6



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: 17.428 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN062934.D

Acq: 14 Aug 2020 11:35

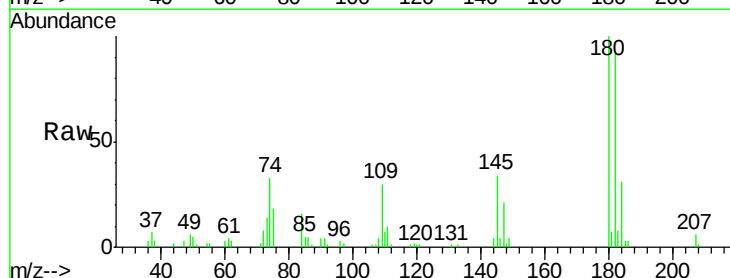
Tgt Ion:180 Resp: 27801

Ion Ratio Lower Upper

180 100

182 92.5 0.0 196.4

145 33.4 0.0 71.4



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

