

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102320\
 Data File : VN064281.D
 Acq On : 23 Oct 2020 10:46
 Operator : JC/MD
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Quant Time: Oct 23 11:29:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 23 11:22:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	51374	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	289162	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	264986	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	134384	31.38	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.60%
60) 4-Bromofluorobenzene	12.38	95	136938	29.03	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.77%
63) Toluene-d8	10.06	98	357141	29.85	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	174254	51.700	ug/l 100
3) Chloromethane	2.04	50	179807	51.958	ug/l 95
4) Vinyl Chloride	2.16	62	181323	53.349	ug/l 98
5) Bromomethane	2.53	94	112615	53.822	ug/l 94
6) Chloroethane	2.67	64	103178	52.148	ug/l 96
7) Trichlorofluoromethane	2.98	101	301443	55.139	ug/l 98
8) Diethyl Ether	3.37	74	96563	52.193	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	149843	51.882	ug/l # 86
10) 1,1-Dichloroethene	3.70	96	143230	50.518	ug/l 94
11) Methyl Iodide	3.91	142	215171	53.116	ug/l 99
12) Methyl Acetate	4.28	43	165182	54.747	ug/l 98
13) Acrolein	3.57	56	63827	195.350	ug/l 99
14) Acrylonitrile	4.93	53	332458	274.288	ug/l 98
15) Acetone	3.78	58	105706	307.594	ug/l 100
16) Carbon Disulfide	4.01	76	414698	51.504	ug/l # 94
17) Allyl chloride	4.27	41	271501	51.933	ug/l 94
18) Methylene Chloride	4.50	84	163844	50.307	ug/l 93
19) trans-1,2-Dichloroethene	4.99	96	157697	51.521	ug/l 90
20) Diisopropyl ether	5.90	45	528268	54.095	ug/l 91
21) 1,1-Dichloroethane	5.80	63	317167	53.344	ug/l 97
22) cis-1,2-Dichloroethene	6.78	96	189103	52.971	ug/l # 87
23) tert-Butyl Alcohol	4.73	59	152105	268.776	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	496818	52.937	ug/l 97
25) Chloroform	7.33	83	336997	54.200	ug/l 94
26) Cyclohexane	7.61	56	241646	51.356	ug/l # 98
29) 1,1-Dichloropropene	7.75	75	253190	54.550	ug/l 98
30) 2-Butanone	6.78	43	555483	282.631	ug/l 100
31) 2,2-Dichloropropane	6.78	77	318116	53.656	ug/l 97
32) 1,1,1-Trichloroethane	7.53	97	326404	54.904	ug/l 95
33) Carbon Tetrachloride	7.73	117	292556	54.326	ug/l 95
34) Benzene	8.00	78	687695	53.115	ug/l # 90
35) Methacrylonitrile	7.13	41	116134	55.550	ug/l 97
36) 1,2-Dichloroethane	8.09	62	290918	54.471	ug/l 98
37) Trichloroethene	8.80	130	185429	52.089	ug/l 94
38) Methylcyclohexane	9.05	83	225544	50.976	ug/l 97
39) 1,2-Dichloropropane	9.08	63	184270	53.011	ug/l 97
40) Dibromomethane	9.17	93	126608	52.019	ug/l 91

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	277620	53.275	ug/l	93
42) Vinyl Acetate	5.84	43	2458088	268.960	ug/l	99
43) Ethyl Acetate	6.88	43	230568	55.215	ug/l	95
44) Isopropyl Acetate	8.13	43	424462	53.022	ug/l	98
45) 1,4-Dioxane	9.16	88	51236	1083.554	ug/l	87
46) Methyl methacrylate	9.16	41	212821	55.387	ug/l	94
47) n-amyl Acetate	12.04	43	377172	53.098	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	309507	52.535	ug/l	99
49) cis-1,3-Dichloropropene	9.81	75	322003	53.085	ug/l	96
50) 1,1,2-Trichloroethane	10.53	97	170340	52.839	ug/l #	95
51) Ethyl methacrylate	10.40	69	264136	52.480	ug/l	90
52) 1,3-Dichloropropane	10.68	76	300089	53.842	ug/l	99
53) Dibromochloromethane	10.87	129	213908	53.455	ug/l	93
54) 1,2-Dibromoethane	10.98	107	183538	53.793	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	655142	285.308	ug/l	99
56) Bromoform	12.10	173	149637	53.386	ug/l #	98
58) 4-Methyl-2-Pentanone	9.95	43	1165890	266.716	ug/l	100
59) 2-Hexanone	10.72	43	867860	267.274	ug/l	99
61) Tetrachloroethene	10.60	164	184899	53.233	ug/l	96
62) Toluene	10.12	91	766611	52.358	ug/l	99
64) Chlorobenzene	11.41	112	474393	52.131	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.48	131	190502	53.113	ug/l	99
66) Ethyl Benzene	11.48	91	884472	52.704	ug/l	99
67) m/p-Xylenes	11.59	106	651396	104.192	ug/l	99
68) o-Xylene	11.92	106	315852	52.084	ug/l	95
69) Styrene	11.94	104	528466	51.677	ug/l	99
70) Isopropylbenzene	12.22	105	839290	52.509	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	227332	51.779	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	346974	75.015	ug/l	63
73) Bromobenzene	12.50	156	204804	53.338	ug/l	98
74) n-propylbenzene	12.57	91	969553	52.967	ug/l	98
75) 2-Chlorotoluene	12.65	91	596563	52.800	ug/l	99
76) 1,3,5-Trimethylbenzene	12.70	105	708223	51.984	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	92155	51.277	ug/l	93
78) 4-Chlorotoluene	12.75	91	629343	53.041	ug/l	99
79) tert-butylbenzene	12.97	119	583302	52.306	ug/l	100
80) 1,2,4-Trimethylbenzene	13.01	105	728682	52.955	ug/l	100
81) sec-Butylbenzene	13.14	105	756307	52.509	ug/l	98
82) p-Isopropyltoluene	13.26	119	697593	52.194	ug/l	97
83) 1,3-Dichlorobenzene	13.25	146	360301	51.970	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	366026	53.063	ug/l	99
85) n-Butylbenzene	13.59	91	608628	51.453	ug/l	97
86) Hexachloroethane	13.85	117	115450	50.468	ug/l	93
87) 1,2-Dichlorobenzene	13.62	146	355341	52.539	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	56061	49.904	ug/l	96
89) 1,2,4-Trichlorobenzene	14.88	180	207493	52.024	ug/l	95
90) Hexachlorobutadiene	14.98	225	107923	52.279	ug/l	97
91) Naphthalene	15.10	128	613332	50.650	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	197735	51.690	ug/l	98

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 23 11:22:09 2020
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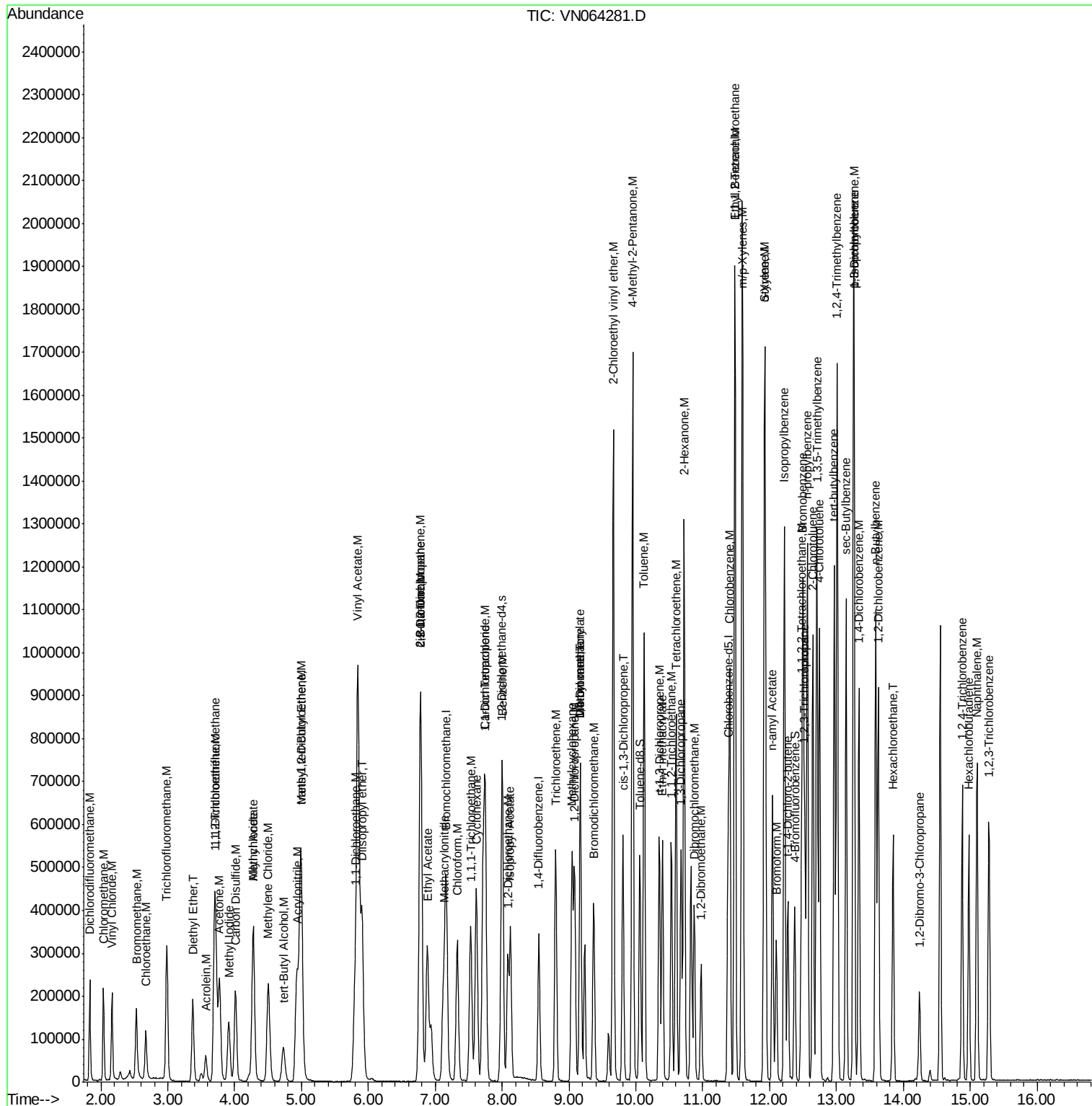
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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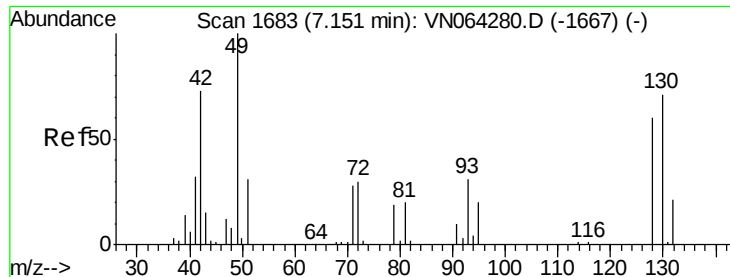
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102320\
Data File : VN064281.D
Acq On : 23 Oct 2020 10:46
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Misc : 5.00mL/MSVOA N/WATER
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Instrument :
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ClientSampleId :
VSTDIC050

Quant Time: Oct 23 11:29:55 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N102320W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 23 11:22:09 2020
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

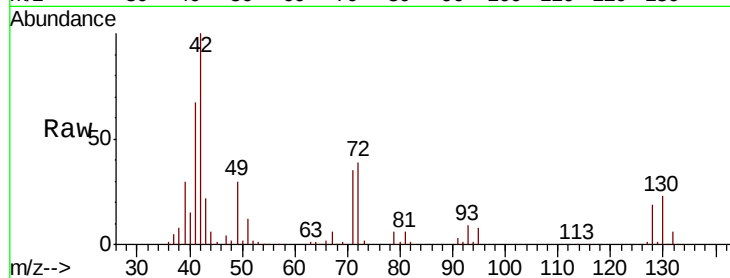
Tot Ion:128 Resp: 51374

Ion Ratio Lower Upper

128 100

49 174.3 0.0 445.0

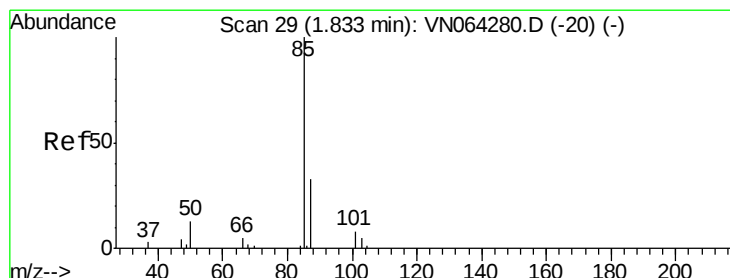
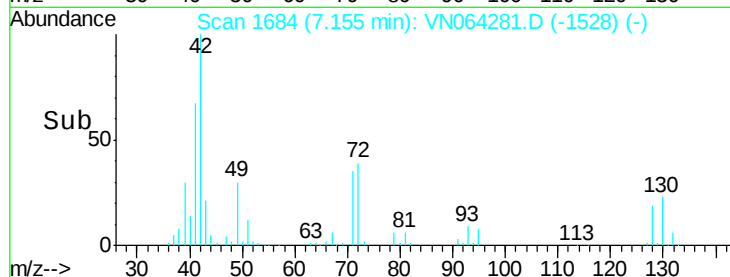
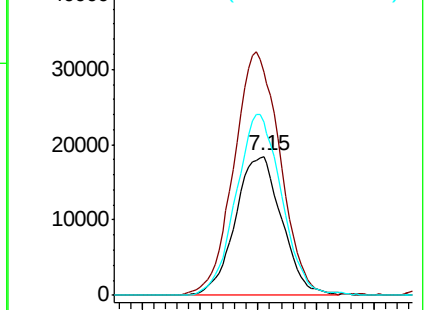
130 127.7 0.0 320.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 51.700 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064281.D

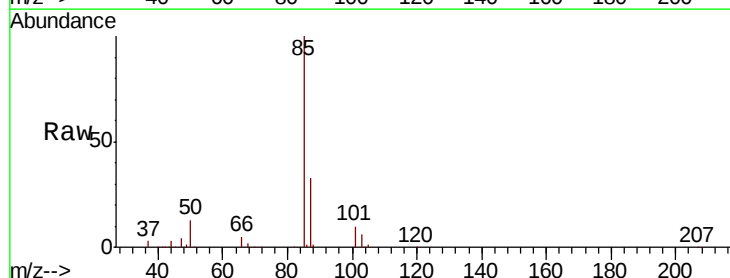
Acq: 23 Oct 2020 10:46

Tgt Ion: 85 Resp: 174254

Ion Ratio Lower Upper

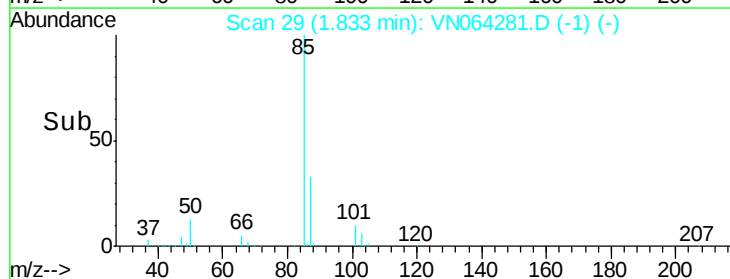
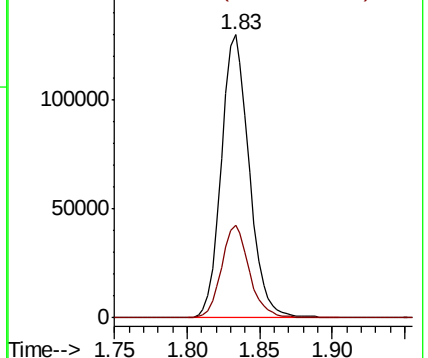
85 100

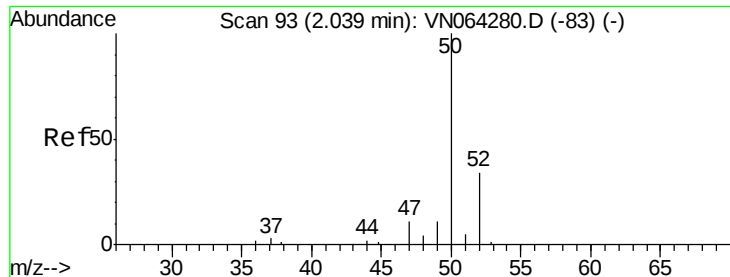
87 32.9 16.4 49.2



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 51.958 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Instrument :

MSVOA_N

ClientSampleId :

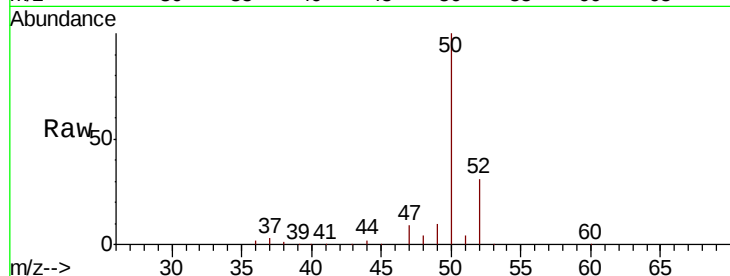
VSTDIC050

Tot Ion: 50 Resp: 179807

Ion Ratio Lower Upper

50 100

52 31.3 27.1 40.7



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

150000

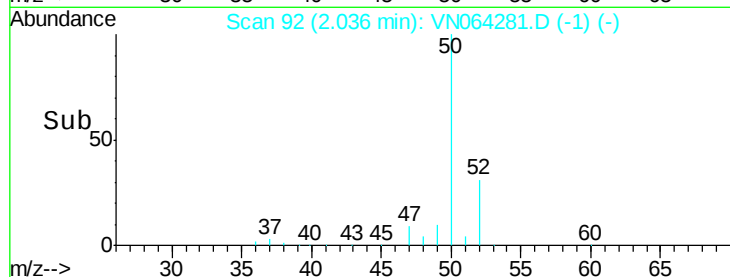
100000

50000

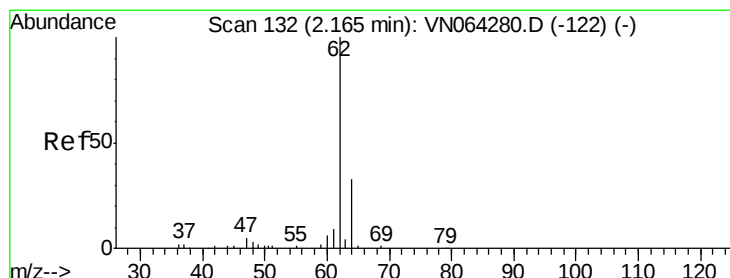
0

2.00 2.05 2.10

2.04



Time-->



#4

Vinyl Chloride

Concen: 53.349 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064281.D

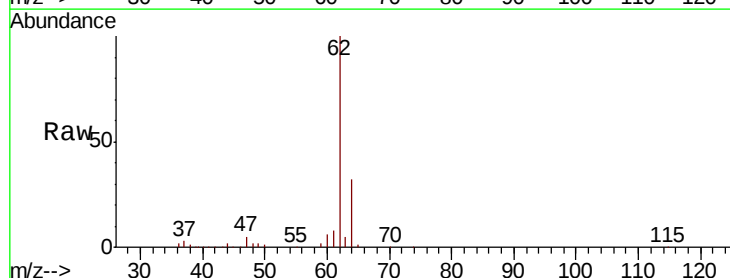
Acq: 23 Oct 2020 10:46

Tgt Ion: 62 Resp: 181323

Ion Ratio Lower Upper

62 100

64 31.9 26.6 39.8



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0

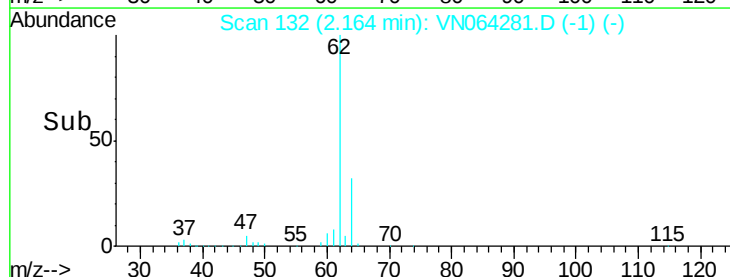
100000

50000

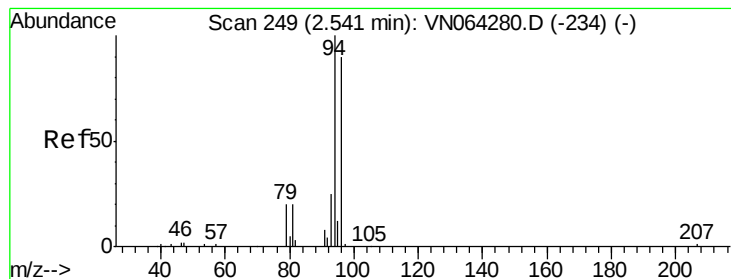
0

2.10 2.15 2.20

2.16



Time-->



#5

Bromomethane

Concen: 53.822 ug/l

RT: 2.53 min Scan# 246

Delta R.T. -0.01 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Instrument :

MSVOA_N

ClientSampleId :

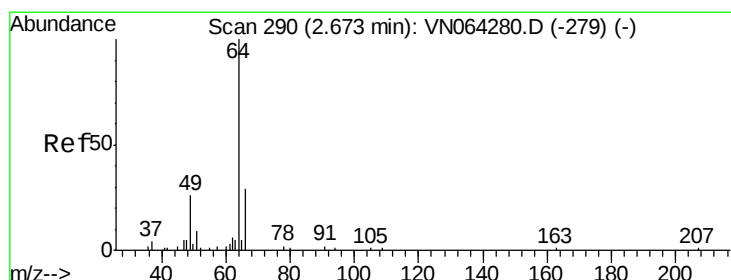
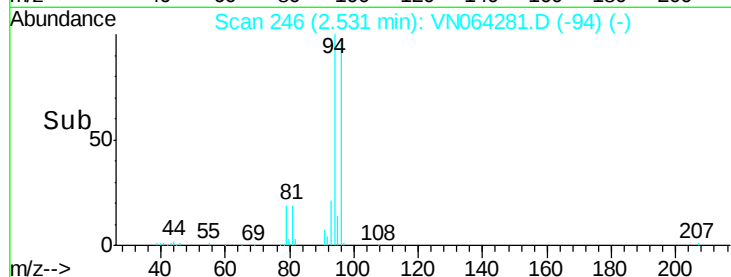
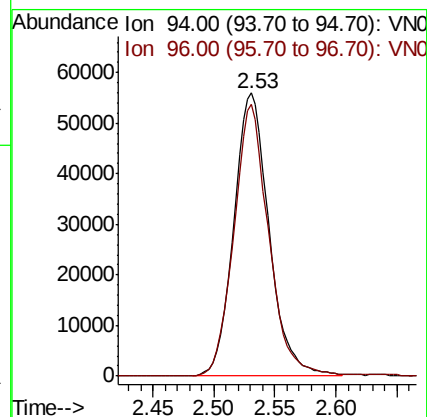
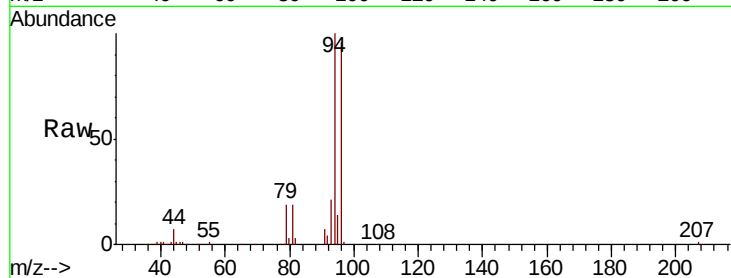
VSTDIC050

Tot Ion: 94 Resp: 112615

Ion Ratio Lower Upper

94 100

96 96.2 72.4 108.6



#6

Chloroethane

Concen: 52.148 ug/l

RT: 2.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN064281.D

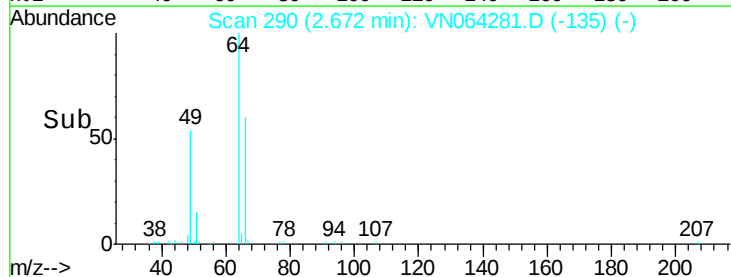
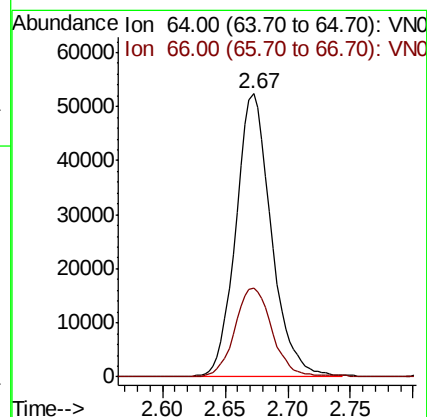
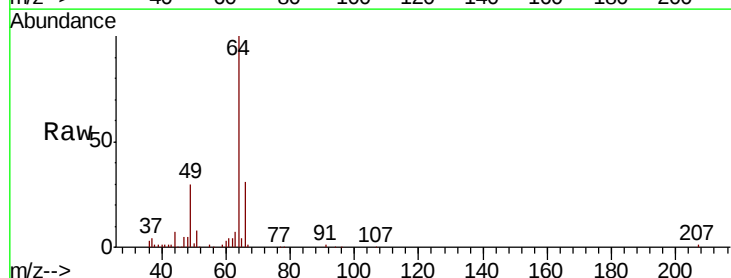
Acq: 23 Oct 2020 10:46

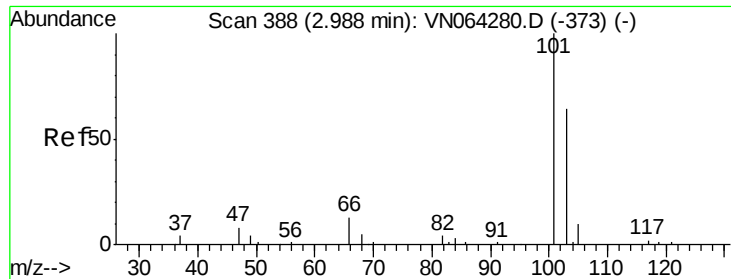
Tgt Ion: 64 Resp: 103178

Ion Ratio Lower Upper

64 100

66 31.3 23.4 35.2



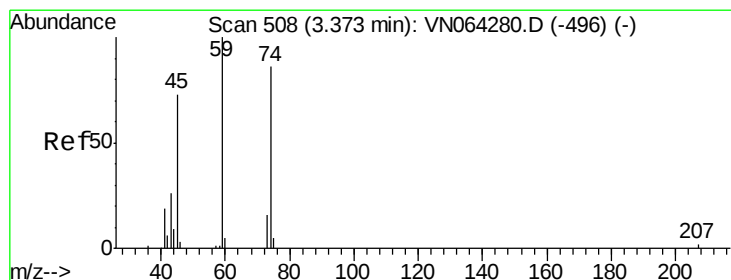
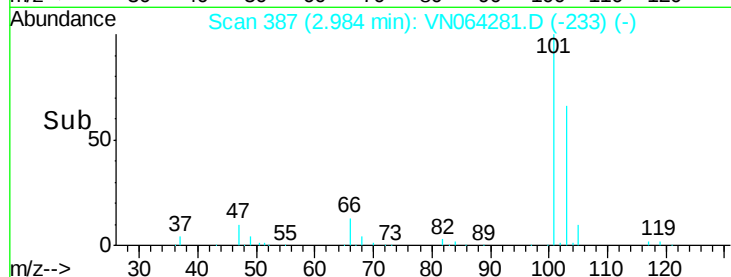
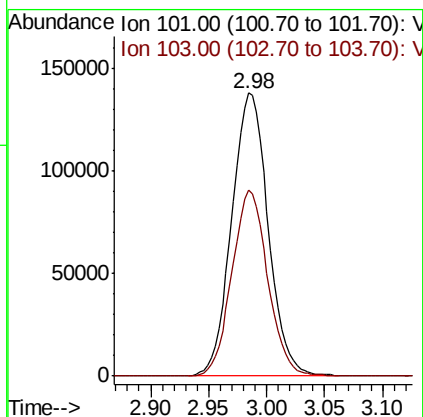
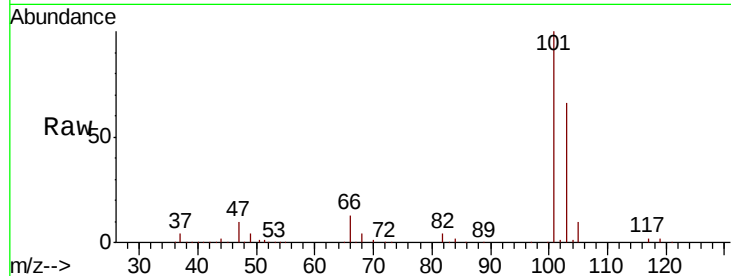


#7

Trichlorofluoromethane
 Concen: 55.139 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN064281.D
 Acq: 23 Oct 2020 10:46

Instrument :
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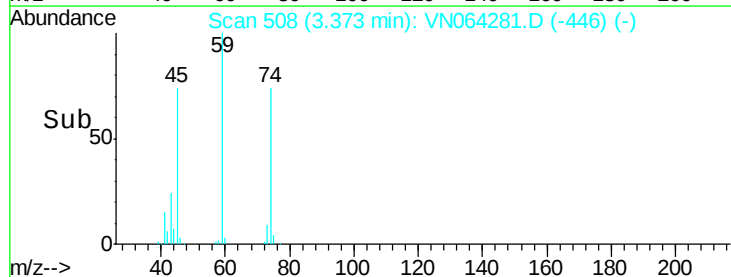
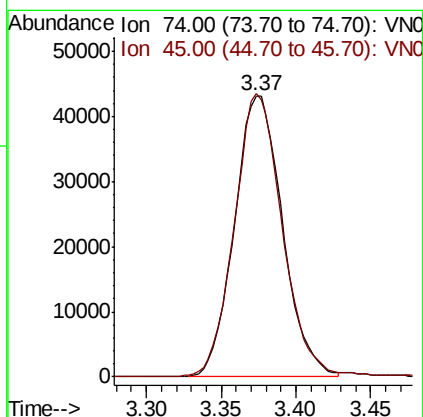
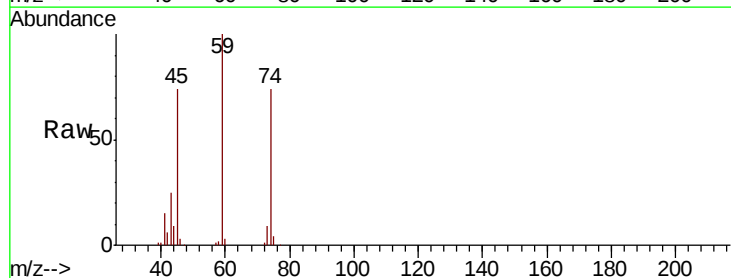
Tot Ion:101 Resp: 301443
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.4 77.0

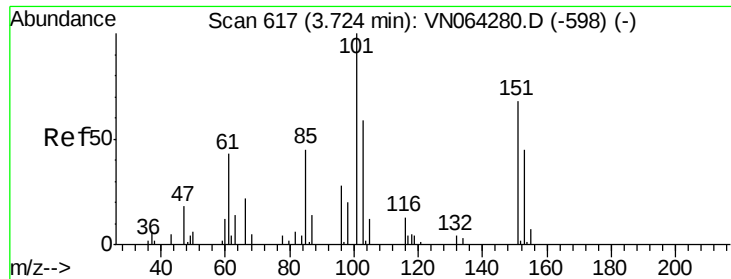


#8

Diethyl Ether
 Concen: 52.193 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN064281.D
 Acq: 23 Oct 2020 10:46

Tgt Ion: 74 Resp: 96563
 Ion Ratio Lower Upper
 74 100
 45 99.7 21.3 191.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.882 ug/l

RT: 3.72 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

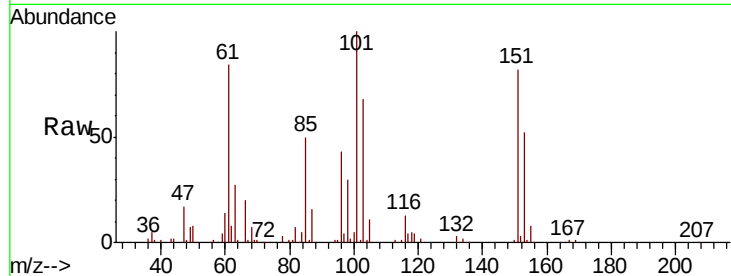
Tot Ion:101 Resp: 149843

Ion Ratio Lower Upper

101 100

85 48.2 0.0 47.4#

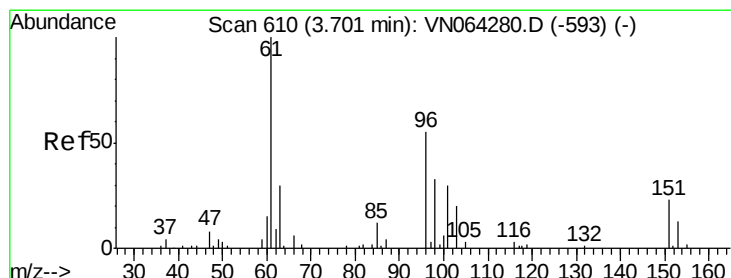
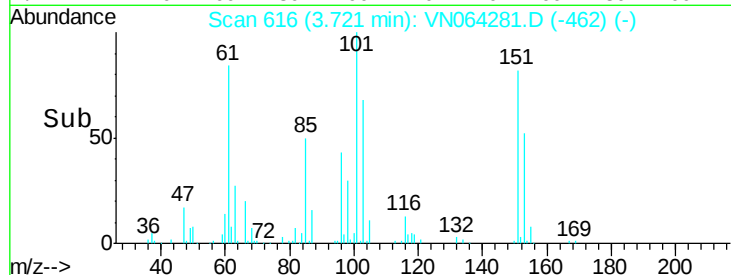
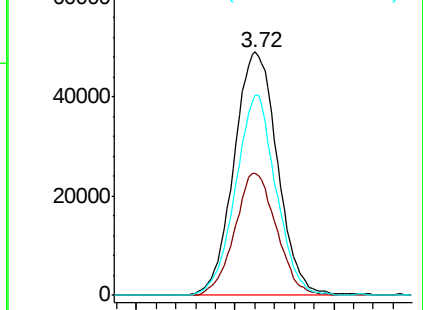
151 76.6 0.0 148.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 50.518 ug/l

RT: 3.70 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

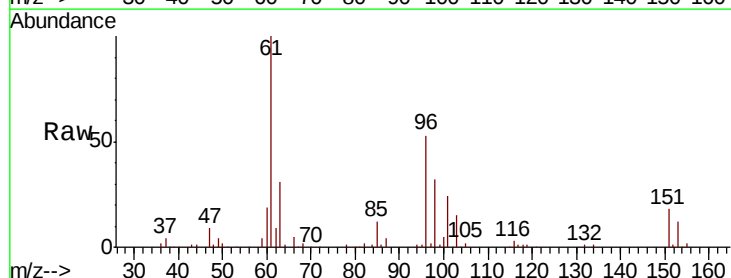
Tgt Ion: 96 Resp: 143230

Ion Ratio Lower Upper

96 100

61 189.5 144.2 216.4

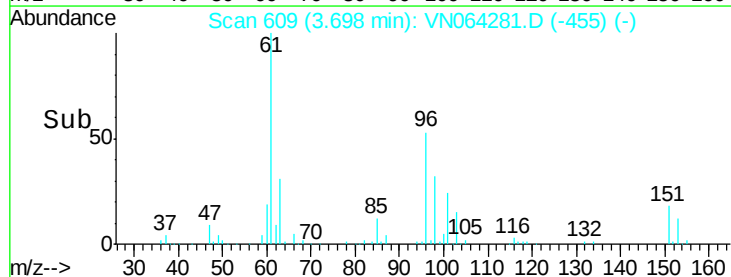
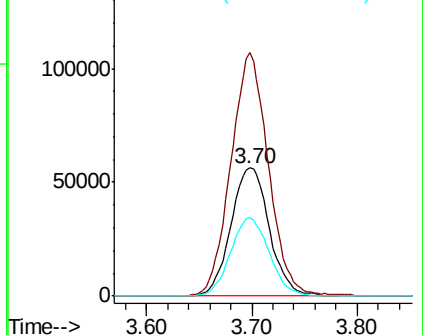
98 61.1 47.4 71.0

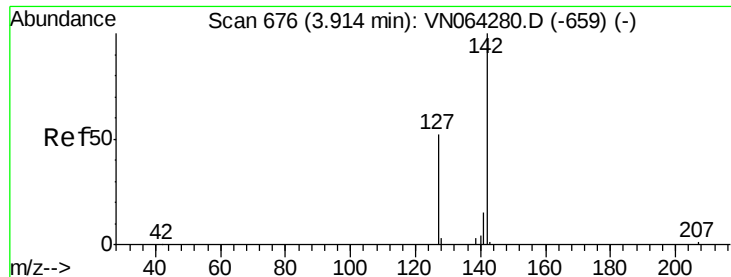


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

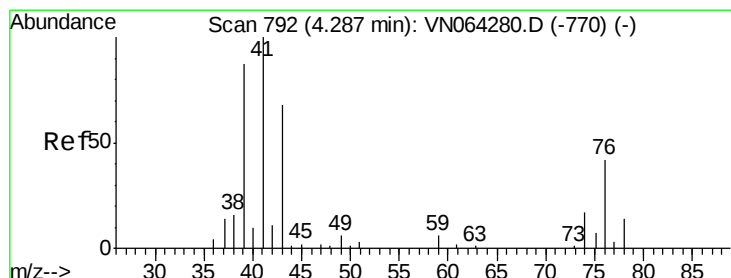
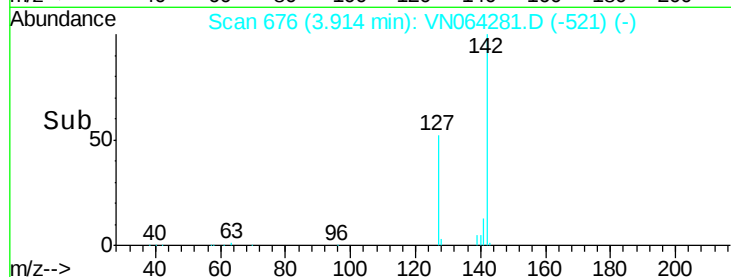
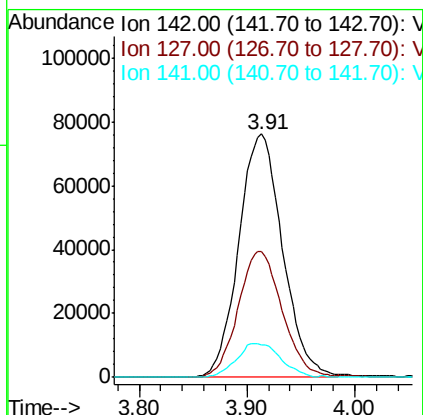
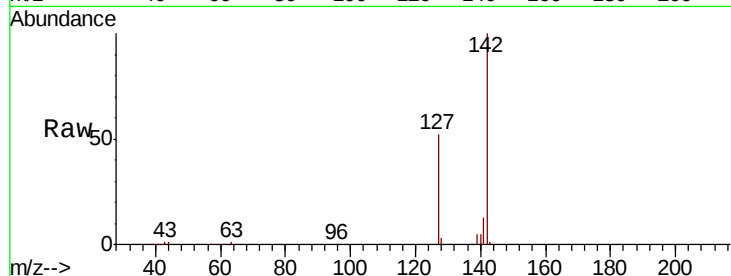




#11
Methyl Iodide
Concen: 53.116 ug/l
RT: 3.91 min Scan# 676
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

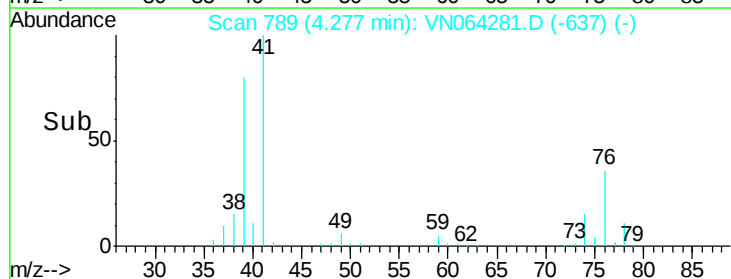
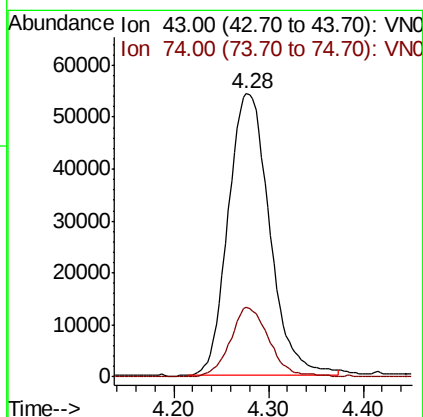
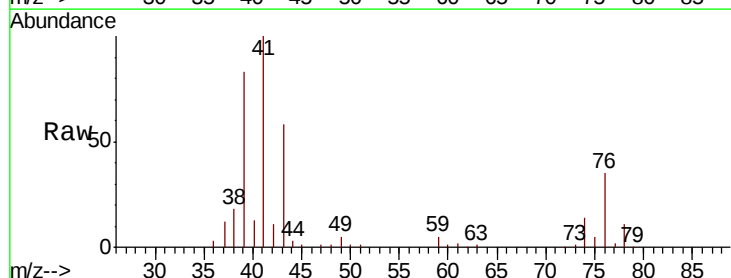
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

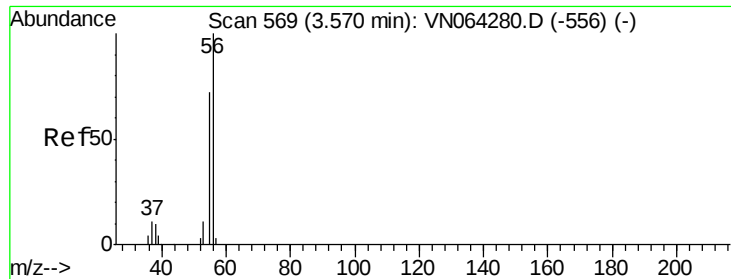
Tot Ion:142 Resp: 215171
Ion Ratio Lower Upper
142 100
127 51.5 25.9 77.8
141 13.5 7.5 22.6



#12
Methyl Acetate
Concen: 54.747 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.01 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Tgt Ion: 43 Resp: 165182
Ion Ratio Lower Upper
43 100
74 24.6 19.0 28.6





#13

Acrolein

Concen: 195.350 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Instrument :

MSVOA_N

ClientSampleId :

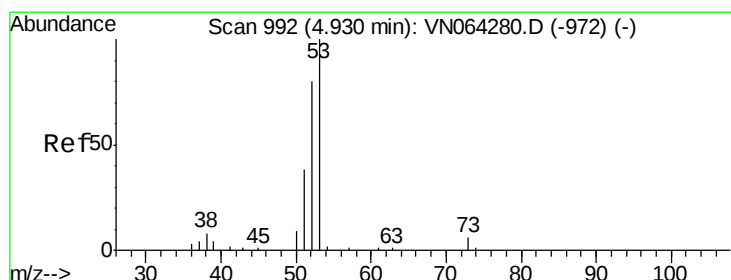
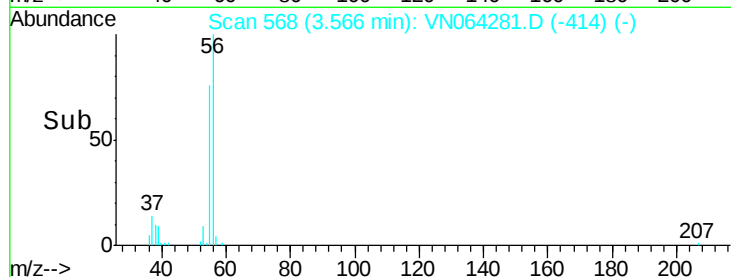
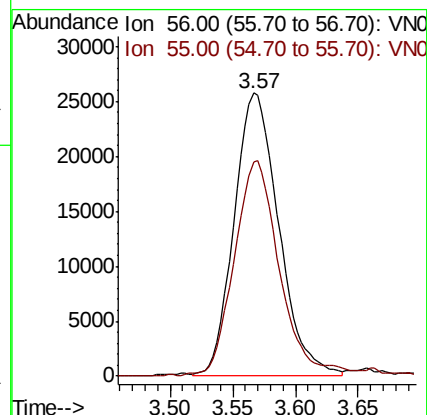
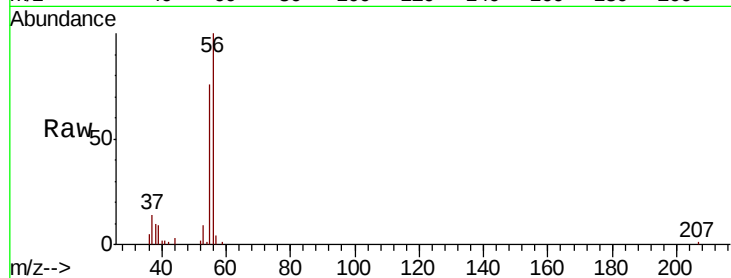
VSTDIC050

Tot Ion: 56 Resp: 63827

Ion Ratio Lower Upper

56 100

55 75.7 61.0 91.6



#14

Acrylonitrile

Concen: 274.288 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

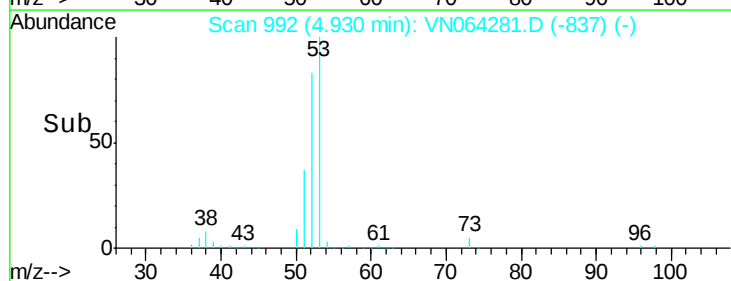
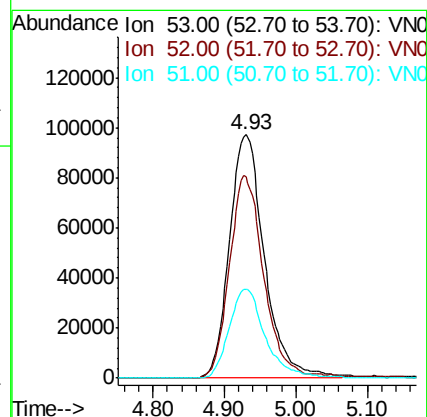
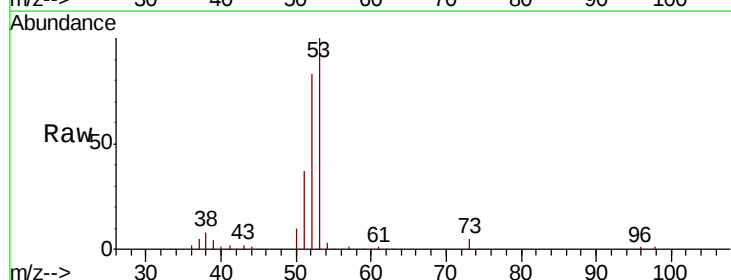
Tgt Ion: 53 Resp: 332458

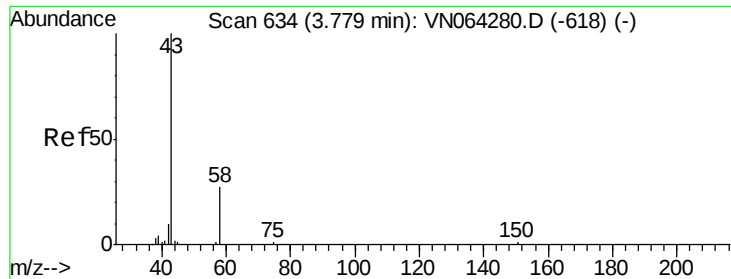
Ion Ratio Lower Upper

53 100

52 81.1 41.7 125.1

51 37.5 18.9 56.7





#15

Acetone

Concen: 307.594 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Instrument :

MSVOA_N

ClientSampleId :

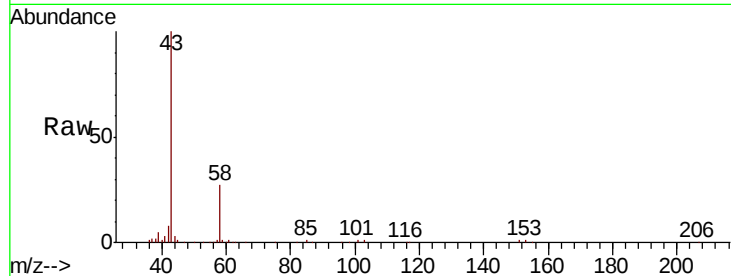
VSTDIC050

Tot Ion: 58 Resp: 105706

Ion Ratio Lower Upper

58 100

43 372.3 297.4 446.0



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

150000

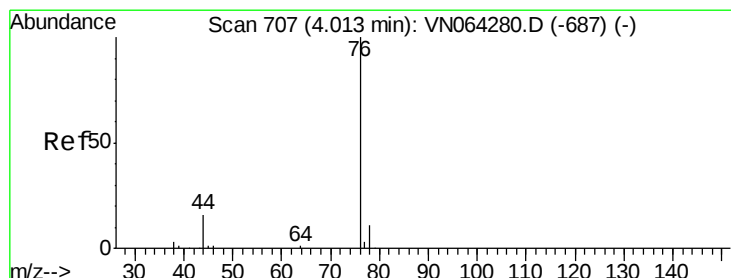
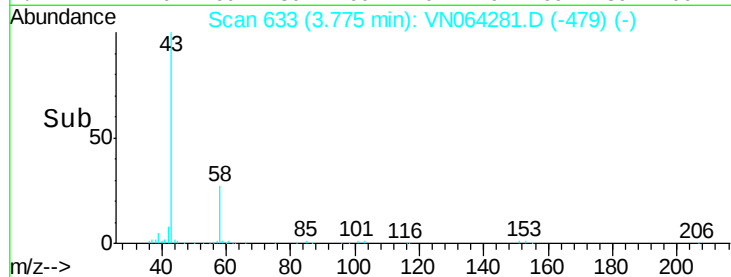
100000

50000

0

3.70 3.75 3.80 3.85

Time-->



#16

Carbon Disulfide

Concen: 51.504 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN064281.D

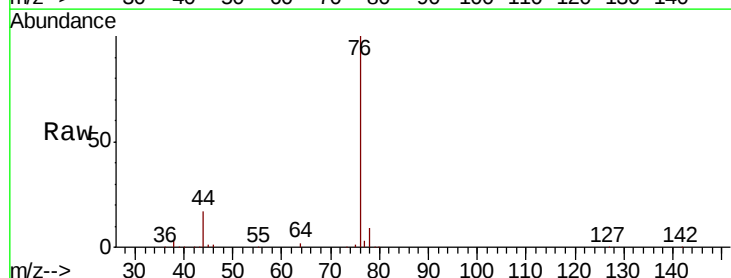
Acq: 23 Oct 2020 10:46

Tgt Ion: 76 Resp: 414698

Ion Ratio Lower Upper

76 100

78 8.9 9.0 13.4#



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

150000

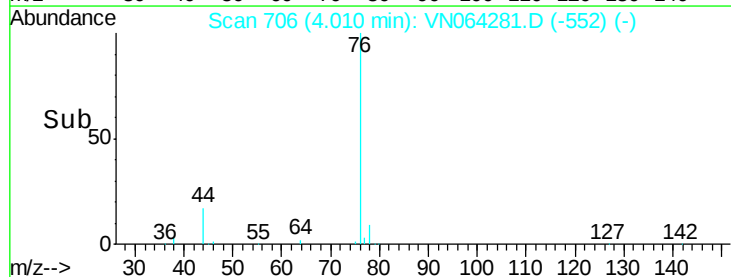
100000

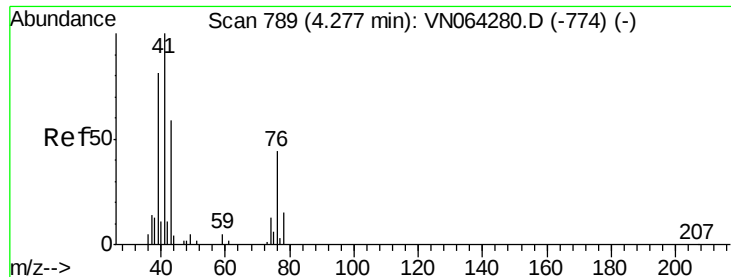
50000

0

3.90 4.00 4.10 4.20

Time-->

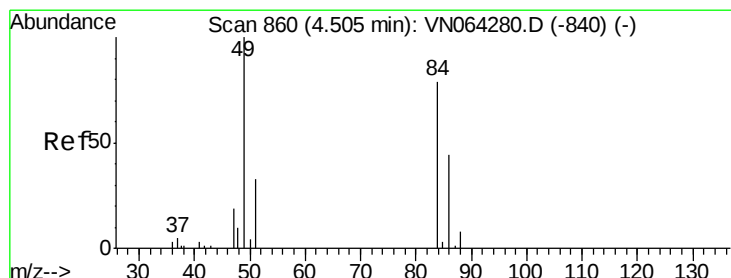
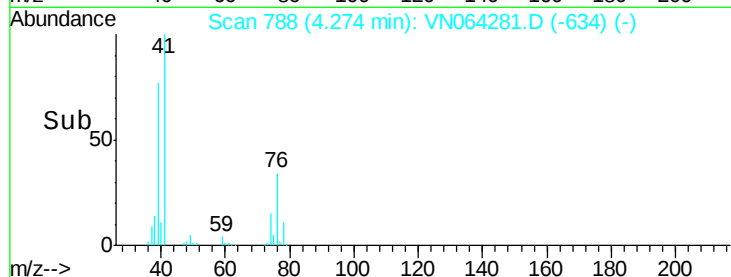
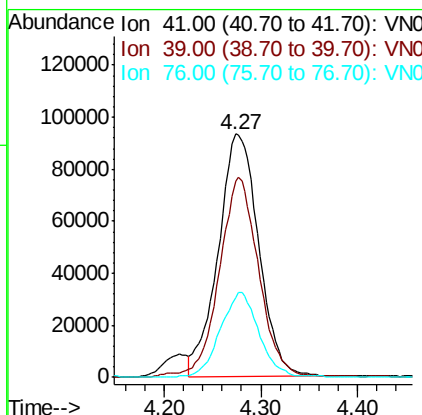
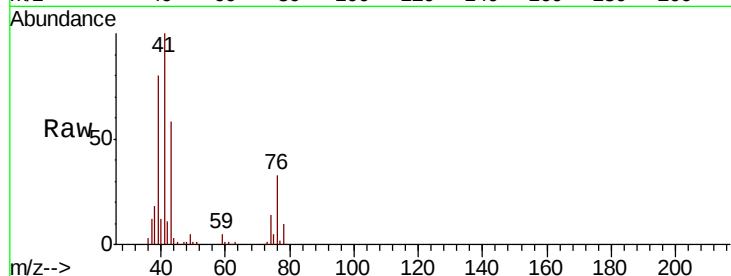




#17
Allvl chloride
Concen: 51.933 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

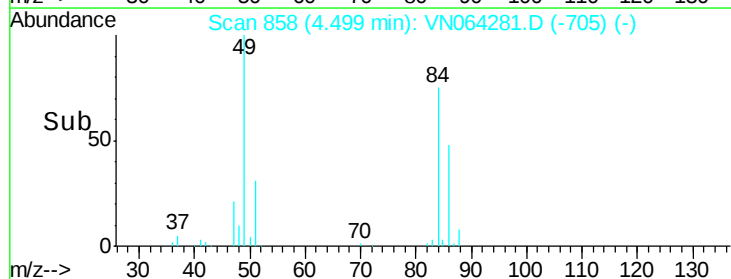
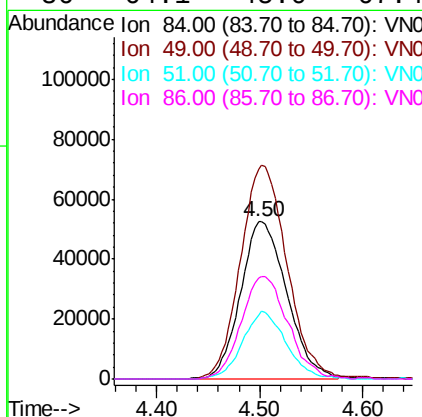
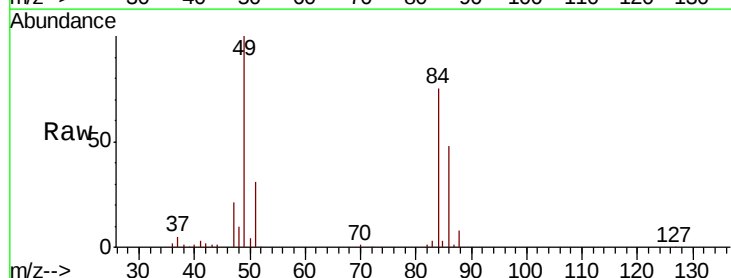
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

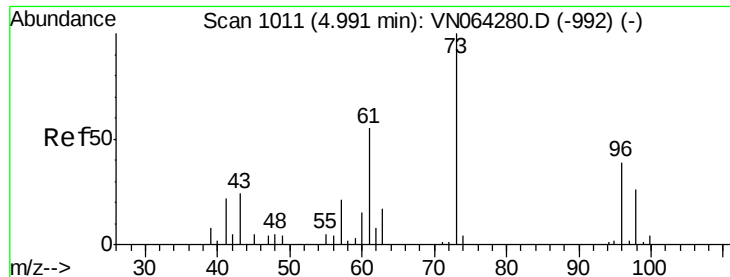
Tot Ion	Ratio	Lower	Upper
41	100		
39	80.1	39.9	119.6
76	32.6	21.4	64.2



#18
Methylene Chloride
Concen: 50.307 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.01 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.0	101.1	151.7
51	40.9	33.4	50.0
86	64.1	45.0	67.4

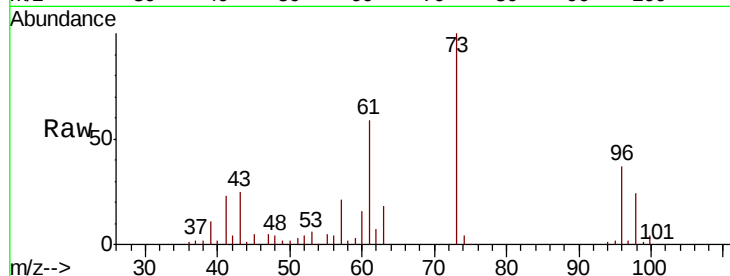




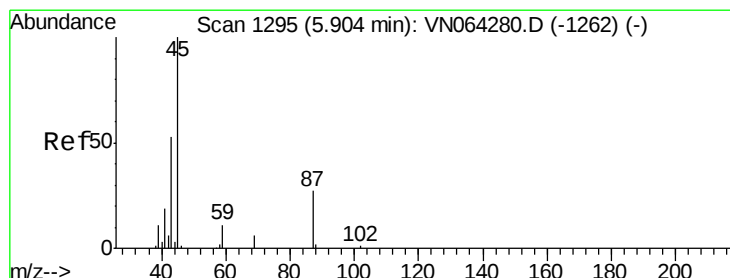
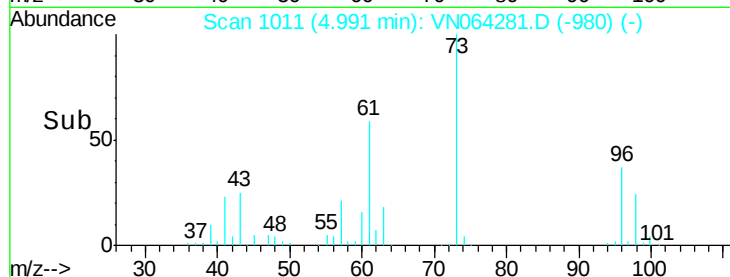
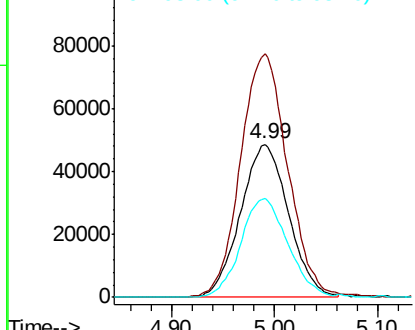
#19
trans-1,2-Dichloroethene
Concen: 51.521 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion: 96 Resp: 157697
Ion Ratio Lower Upper
96 100
61 159.0 114.2 171.2
98 64.5 52.8 79.2

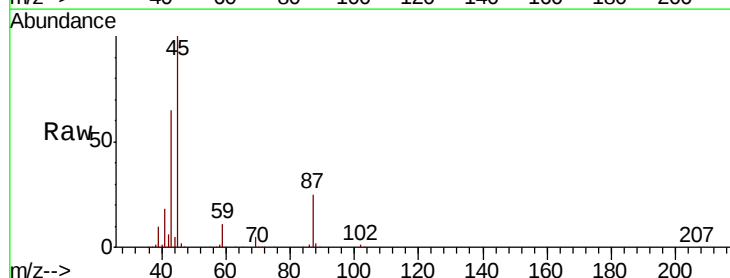


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

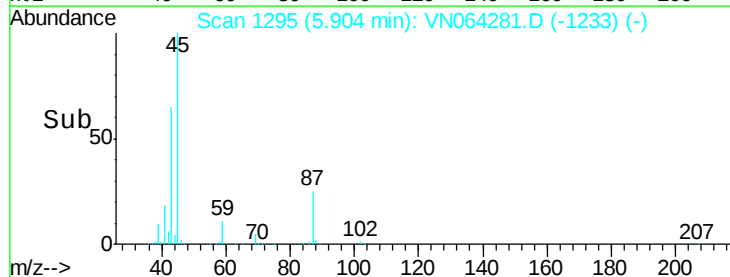
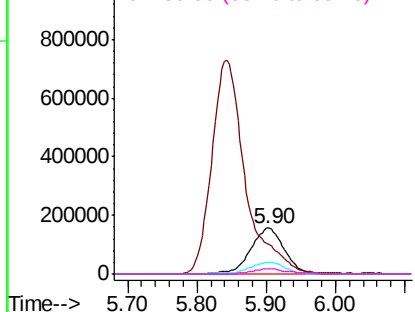


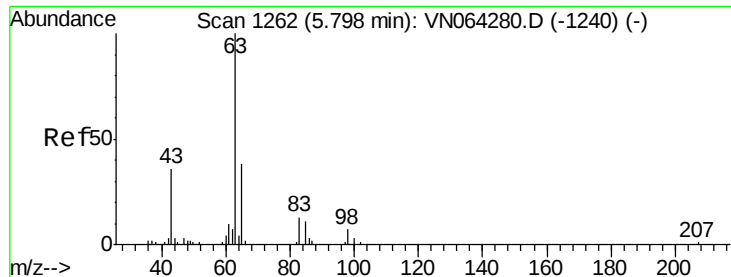
#20
Diisopropyl ether
Concen: 54.095 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Tgt Ion: 45 Resp: 528268
Ion Ratio Lower Upper
45 100
43 63.0 58.9 88.3
87 25.0 21.0 31.4
59 10.6 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 53.344 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

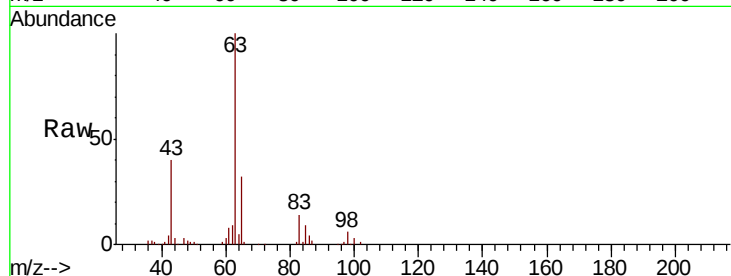
Tot Ion: 63 Resp: 317167

Ion Ratio Lower Upper

63 100

98 5.7 3.5 10.6

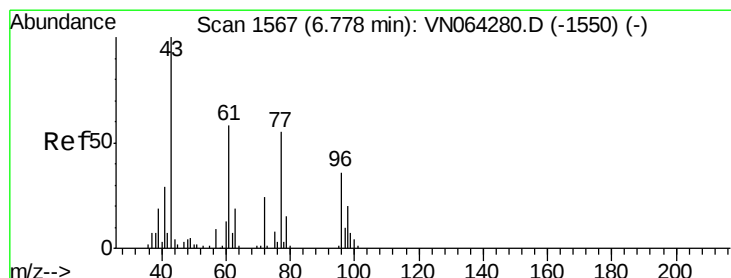
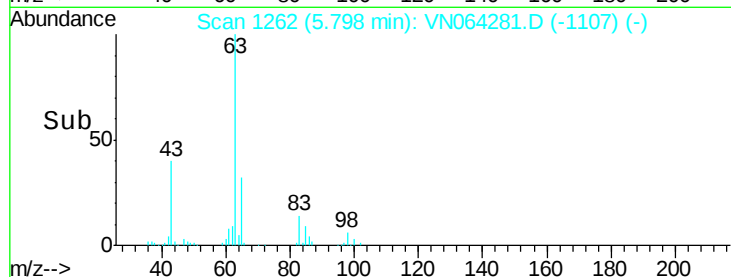
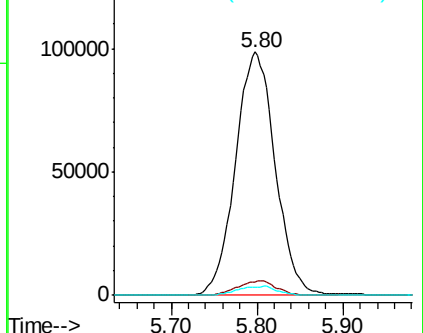
100 3.3 1.6 4.7



Abundance Ion 63.00 (62.70 to 63.70): VN064281.D (-1107) (-)

Ion 98.00 (97.70 to 98.70): VN064281.D (-1107) (-)

Ion 100.00 (99.70 to 100.70): VN064281.D (-1107) (-)



#22

cis-1,2-Dichloroethene

Concen: 52.971 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

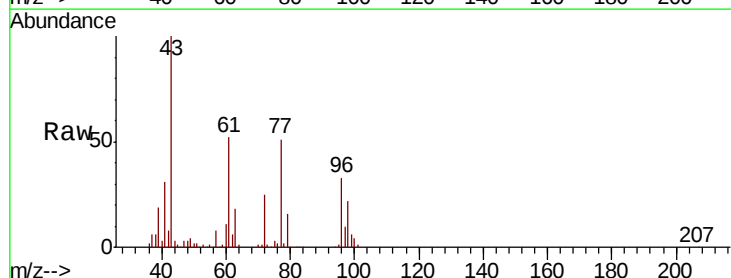
Tgt Ion: 96 Resp: 189103

Ion Ratio Lower Upper

96 100

61 159.4 132.2 198.2

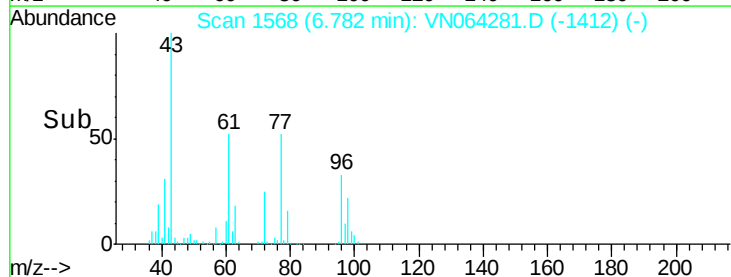
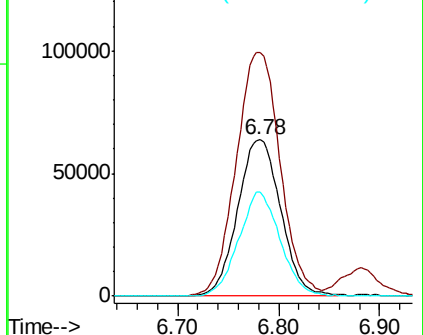
98 63.8 26.5 39.7#

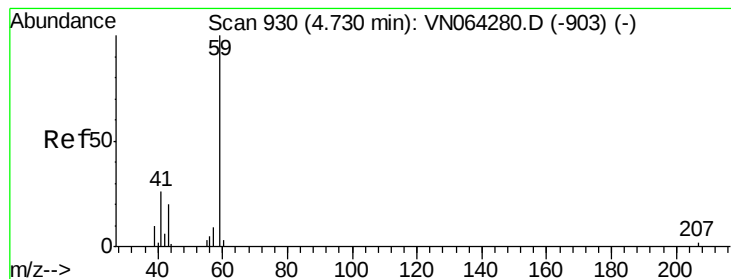


Abundance Ion 96.00 (95.70 to 96.70): VN064281.D (-1412) (-)

Ion 61.00 (60.70 to 61.70): VN064281.D (-1412) (-)

Ion 98.00 (97.70 to 98.70): VN064281.D (-1412) (-)





#23

tert-Butyl Alcohol

Concen: 268.776 ug/l

RT: 4.73 min Scan# 930

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Instrument :

MSVOA_N

ClientSampleId :

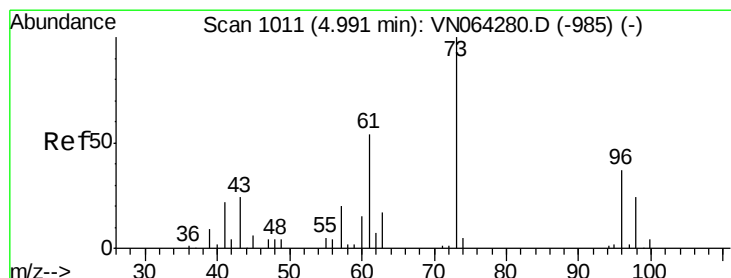
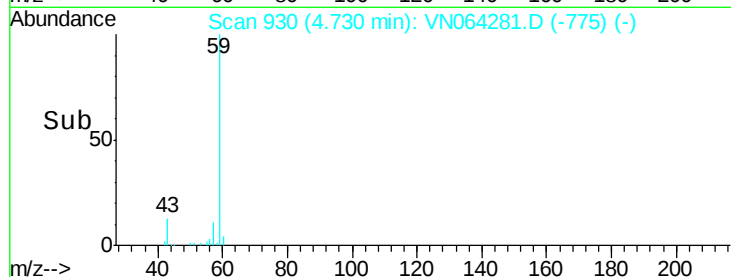
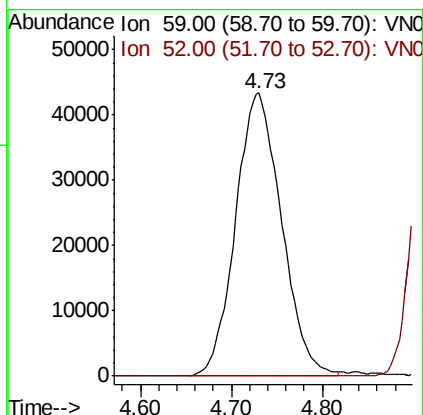
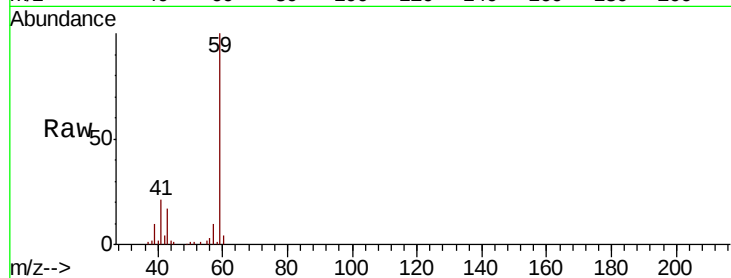
VSTDIC050

Tot Ion: 59 Resp: 152105

Ion Ratio Lower Upper

59 100

52 0.0 0.2 0.2#



#24

Methyl tert-Butyl Ether

Concen: 52.937 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VN064281.D

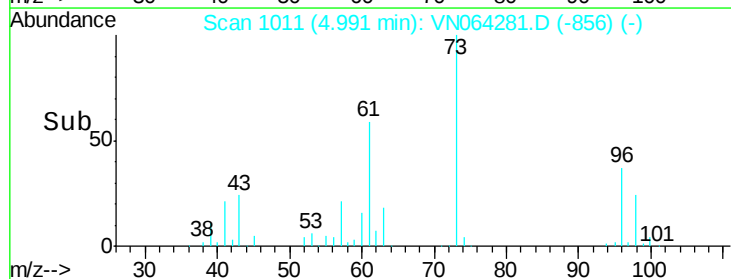
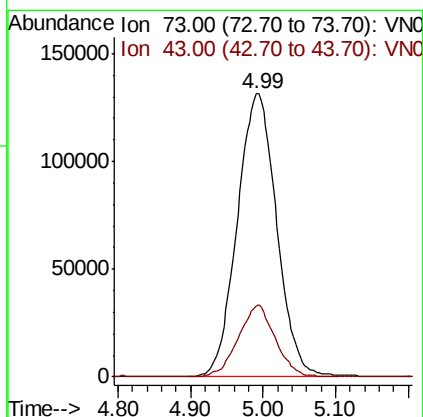
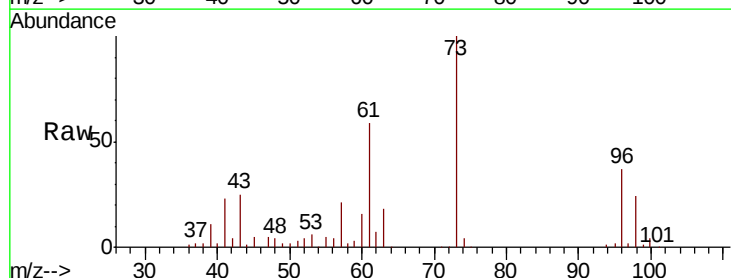
Acq: 23 Oct 2020 10:46

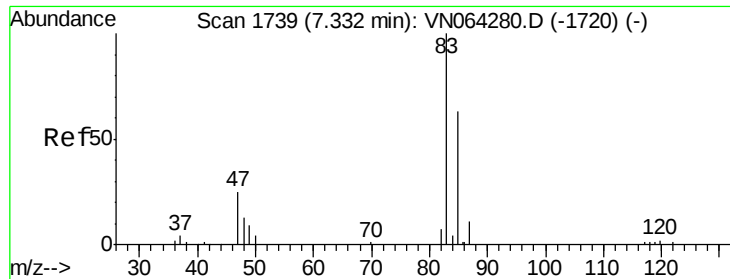
Tgt Ion: 73 Resp: 496818

Ion Ratio Lower Upper

73 100

43 23.1 19.7 29.5

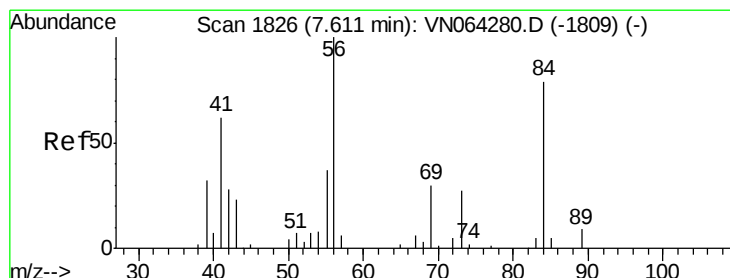
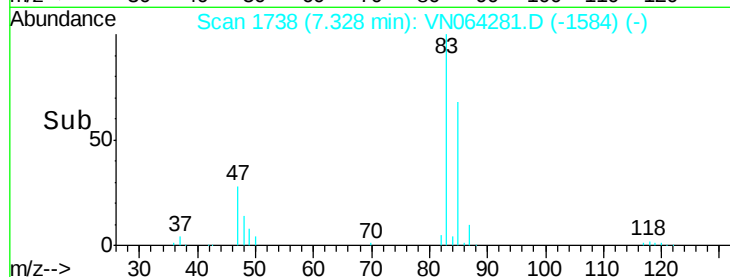
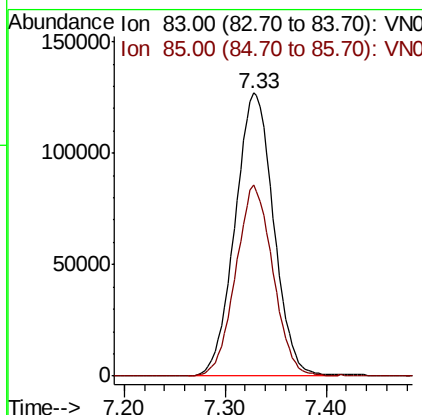
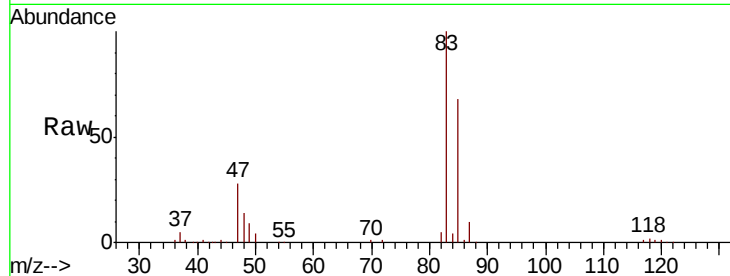




#25
Chloroform
Concen: 54.200 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

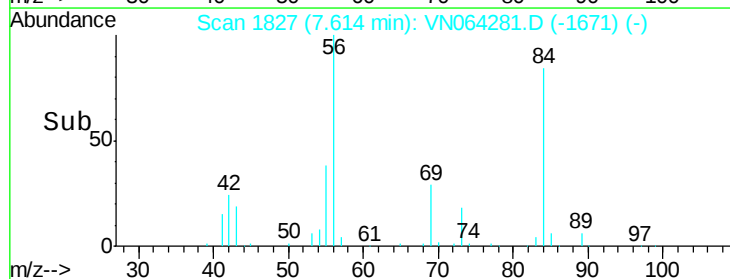
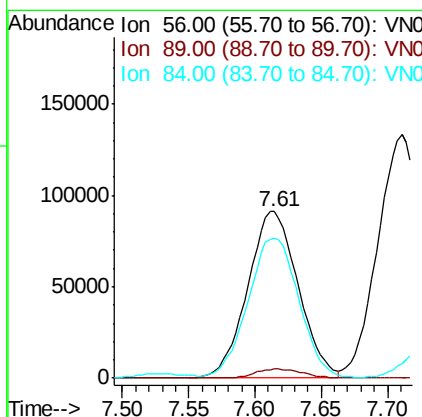
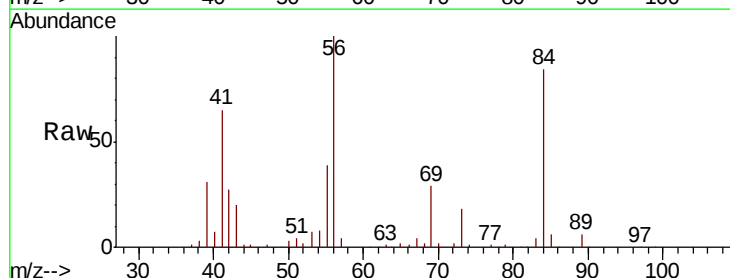
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

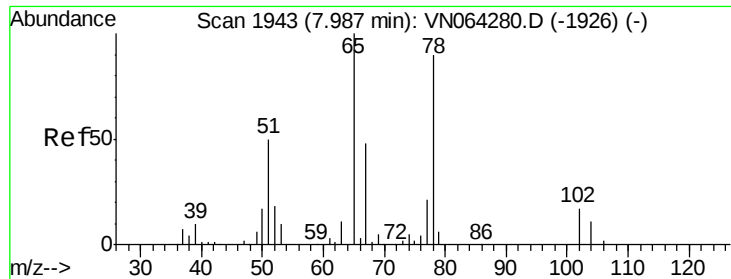
Tot Ion: 83 Resp: 336997
Ion Ratio Lower Upper
83 100
85 67.8 50.3 75.5



#26
Cyclohexane
Concen: 51.356 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Tgt Ion: 56 Resp: 241646
Ion Ratio Lower Upper
56 100
89 5.3 3.4 5.2#
84 84.7 66.2 99.2





#27

1,2-Dichloroethane-d4

Concen: 31.384 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Instrument :

MSVOA_N

ClientSampleId :

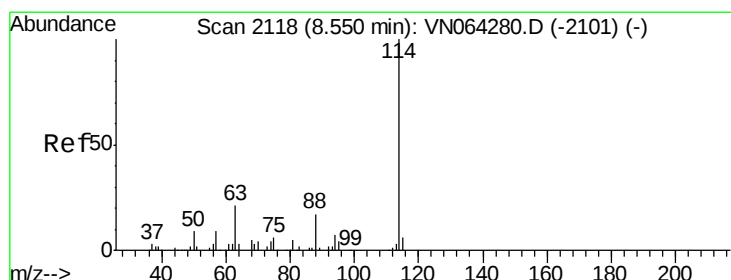
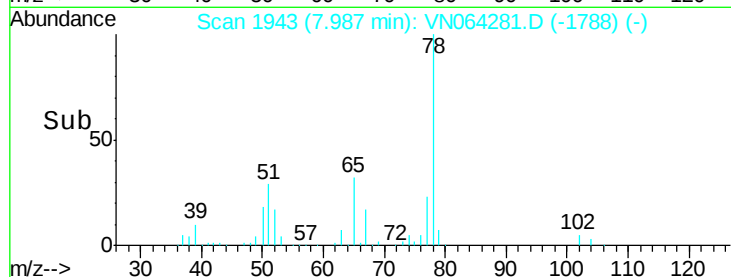
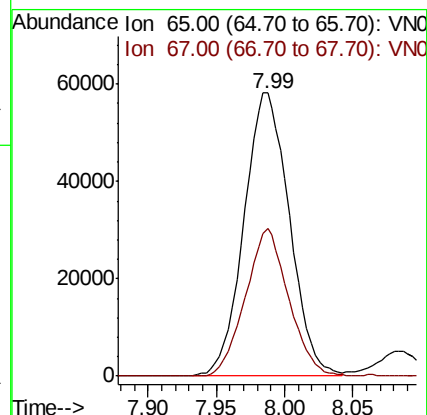
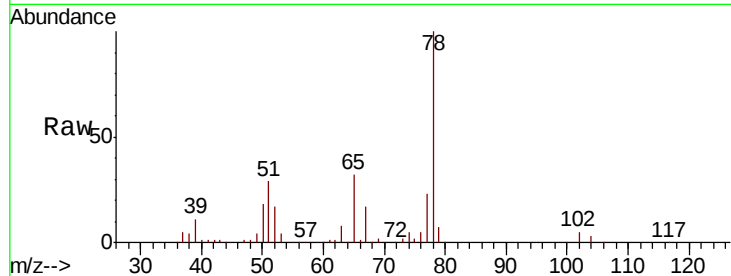
VSTDIC050

Tot Ion: 65 Resp: 134384

Ion Ratio Lower Upper

65 100

67 49.6 38.4 57.6



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

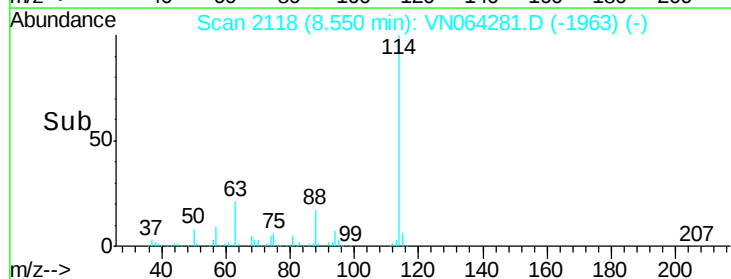
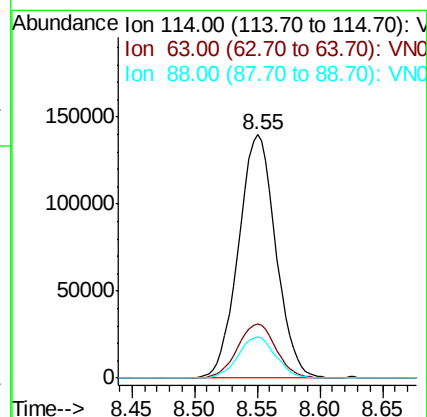
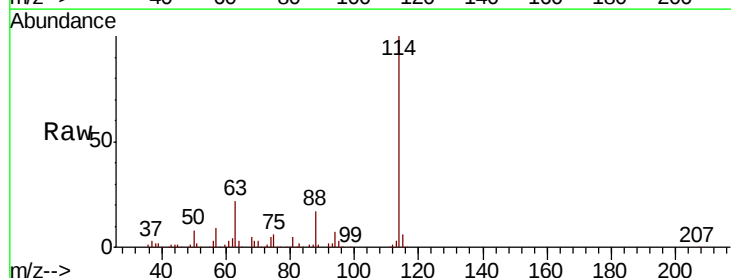
Tgt Ion: 114 Resp: 289162

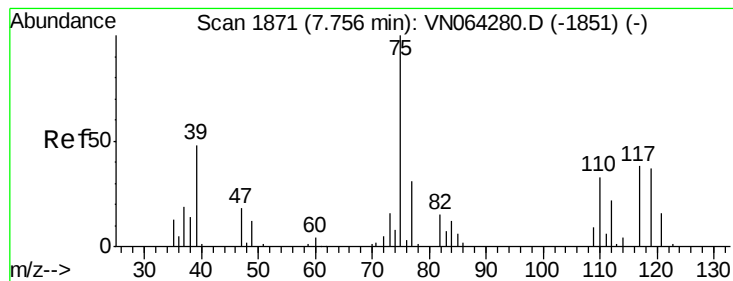
Ion Ratio Lower Upper

114 100

63 22.9 17.8 26.8

88 17.0 13.8 20.8





#29

1,1-Dichloropropene

Concen: 54.550 ug/l

RT: 7.75 min Scan# 1870

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

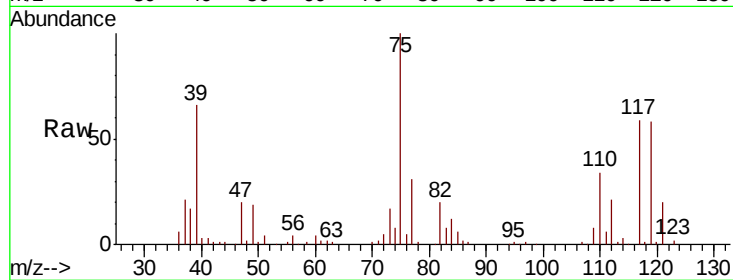
Tot Ion: 75 Resp: 253190

Ion Ratio Lower Upper

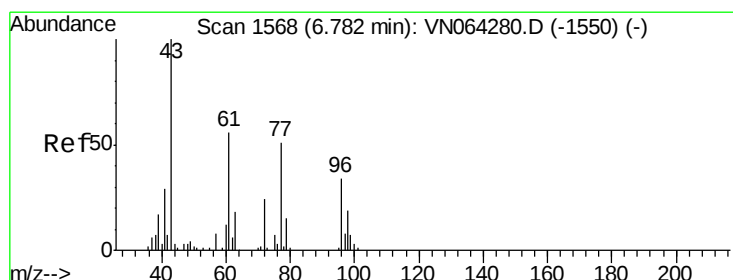
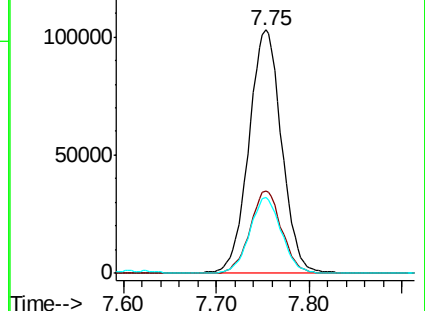
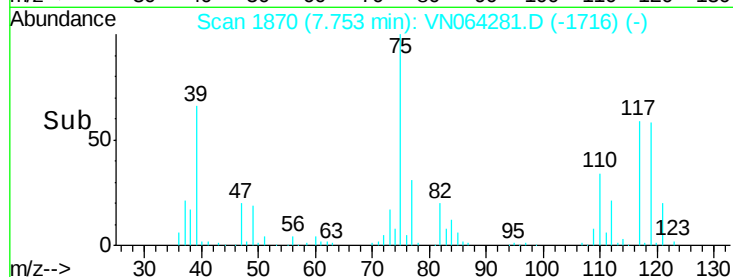
75 100

110 32.7 0.0 66.2

77 30.4 0.0 64.4



Abundance Ion 75.00 (74.70 to 75.70): VN064281.D (-1716) (-)



#30

2-Butanone

Concen: 282.631 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

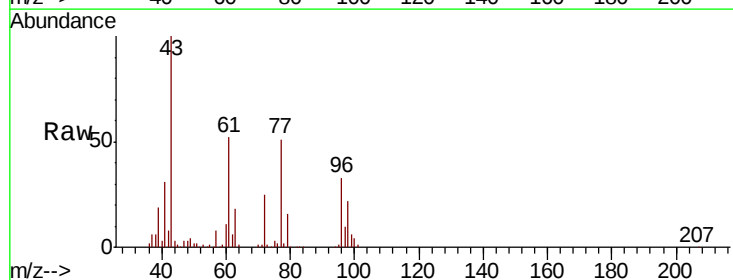
Tgt Ion: 43 Resp: 555483

Ion Ratio Lower Upper

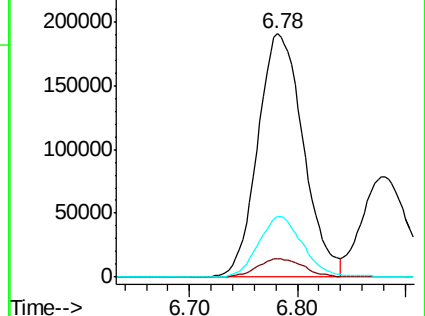
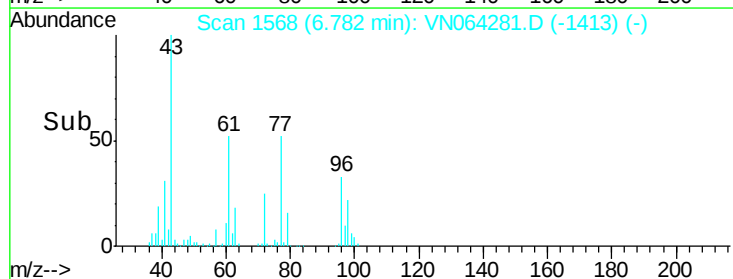
43 100

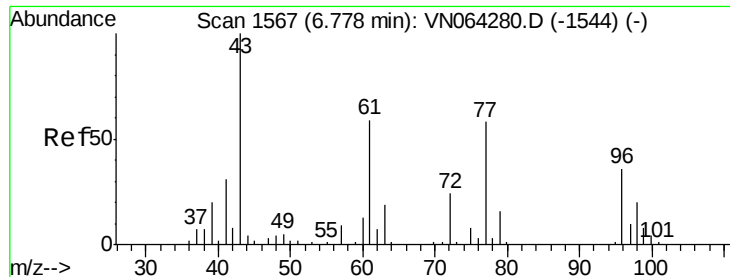
57 7.7 6.4 9.6

72 24.2 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VN064281.D (-1413) (-)





#31

2,2-Dichloropropane

Concen: 53.656 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Instrument :

MSVOA_N

ClientSampleId :

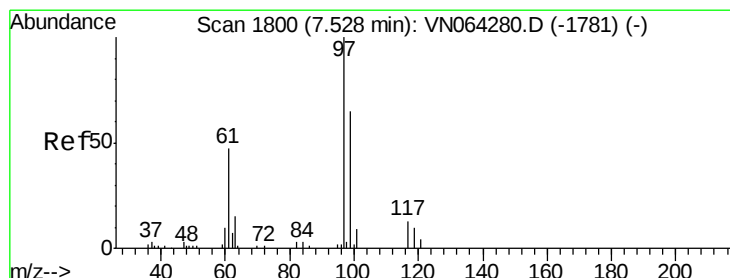
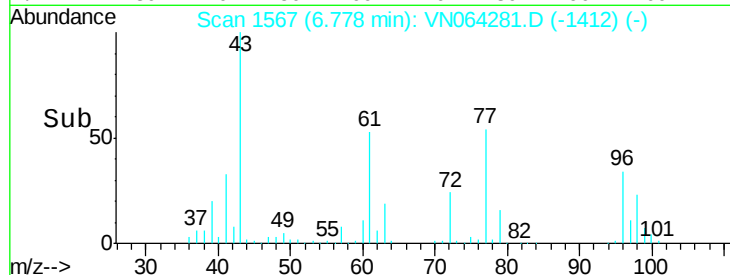
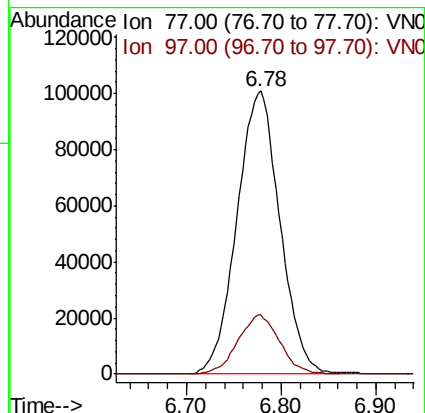
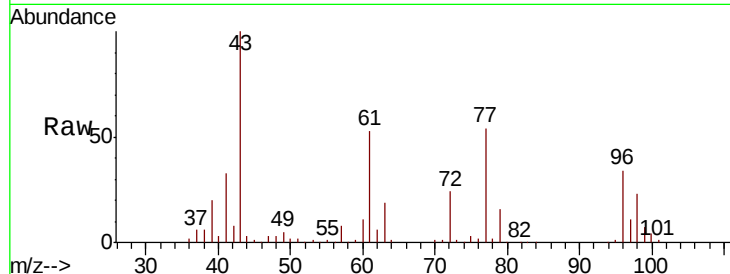
VSTDIC050

Tot Ion: 77 Resp: 318116

Ion Ratio Lower Upper

77 100

97 20.4 15.1 22.7



#32

1,1,1-Trichloroethane

Concen: 54.904 ug/l

RT: 7.53 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

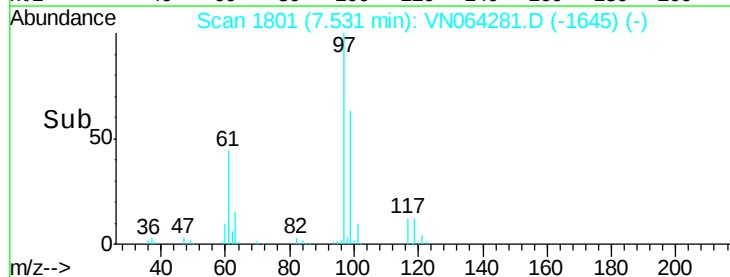
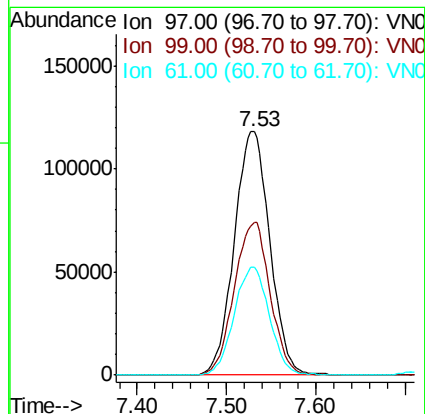
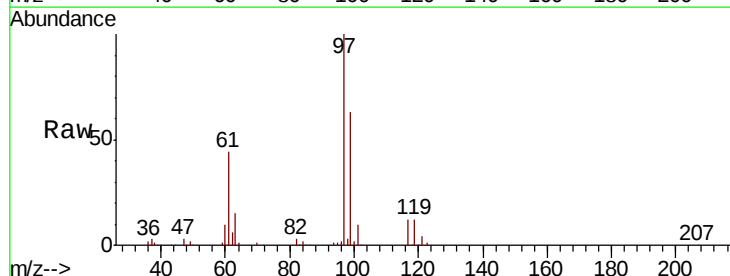
Tgt Ion: 97 Resp: 326404

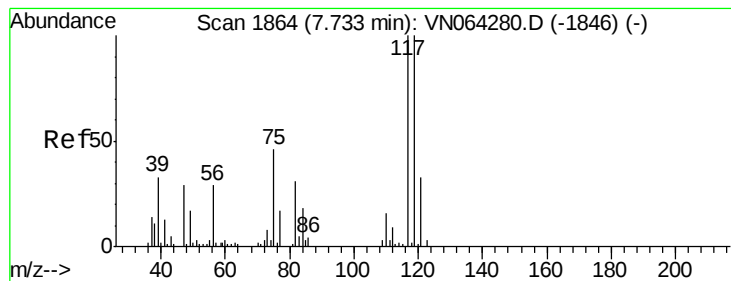
Ion Ratio Lower Upper

97 100

99 63.3 54.4 81.6

61 43.9 37.5 56.3





#33

Carbon Tetrachloride

Concen: 54.326 ug/l

RT: 7.73 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

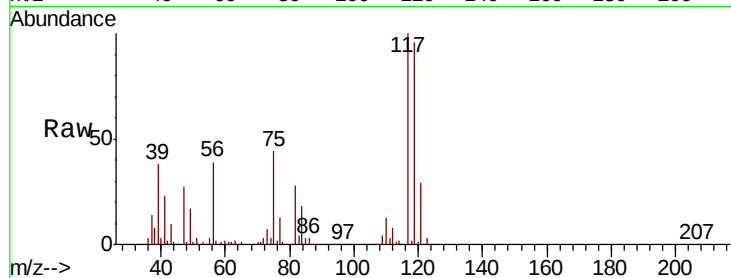
Tot Ion:117 Resp: 292556

Ion Ratio Lower Upper

117 100

119 95.9 80.1 120.1

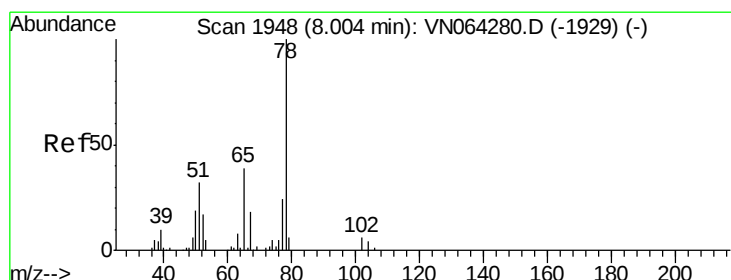
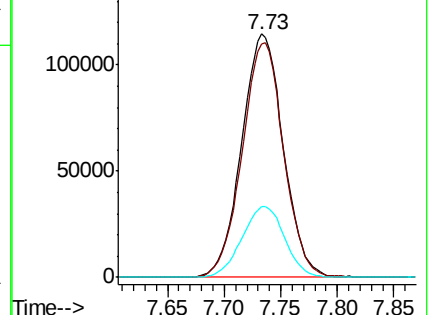
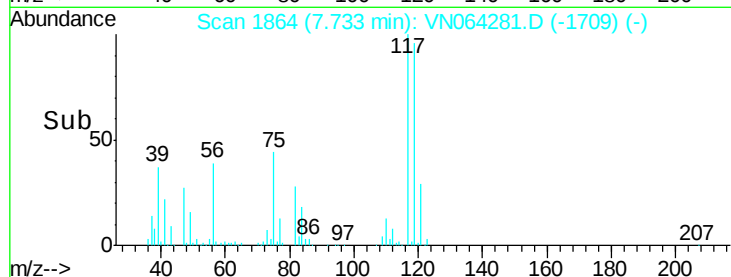
121 28.9 26.2 39.2



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: 53.115 ug/l

RT: 8.00 min Scan# 1948

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

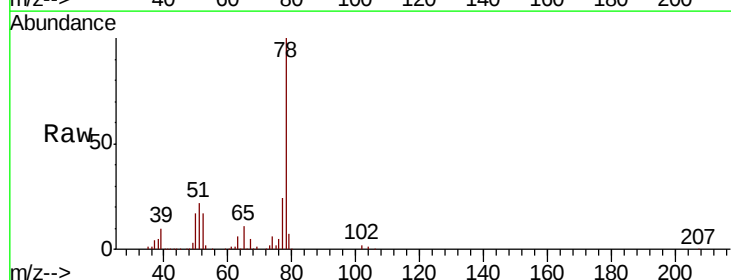
Tgt Ion: 78 Resp: 687695

Ion Ratio Lower Upper

78 100

77 23.9 19.2 28.8

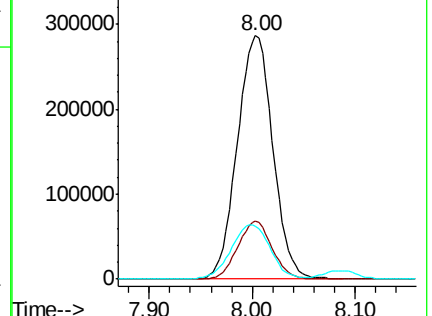
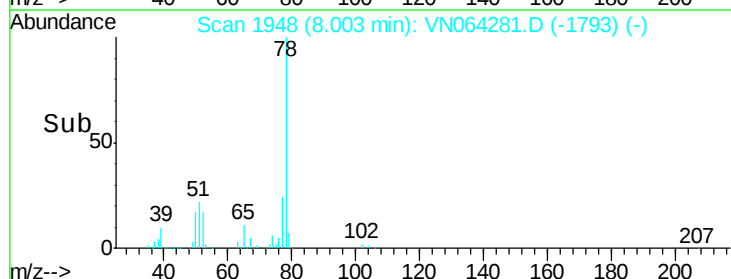
51 21.8 25.2 37.8#

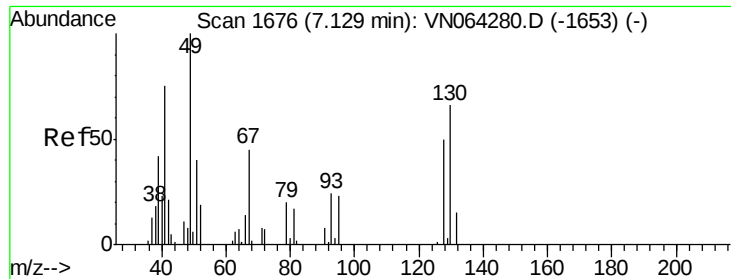


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

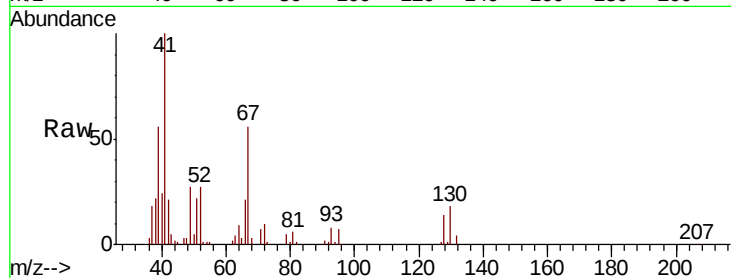




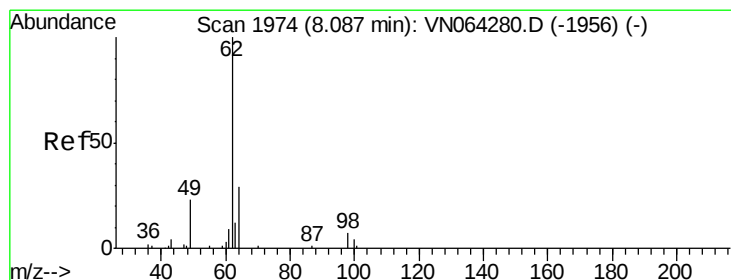
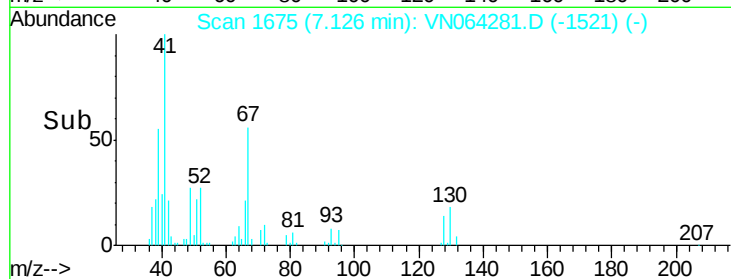
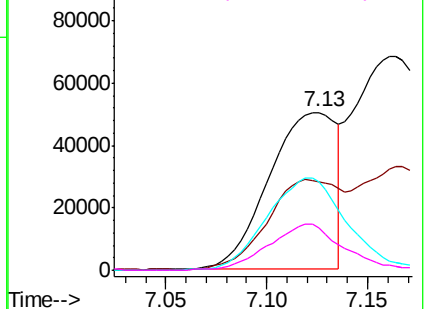
#35
Methacrylonitrile
Concen: 55.550 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion: 41 Resp: 116134
Ion Ratio Lower Upper
41 100
39 55.7 28.0 83.9
67 56.0 29.9 89.8
52 26.3 12.4 37.2

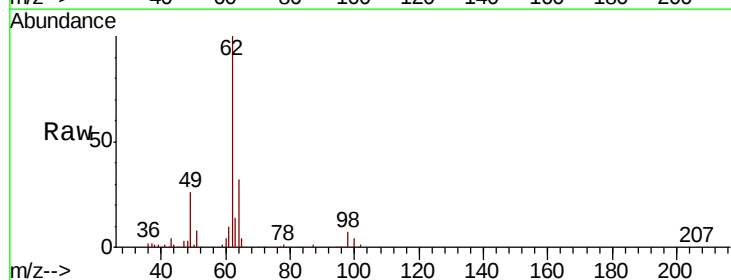


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

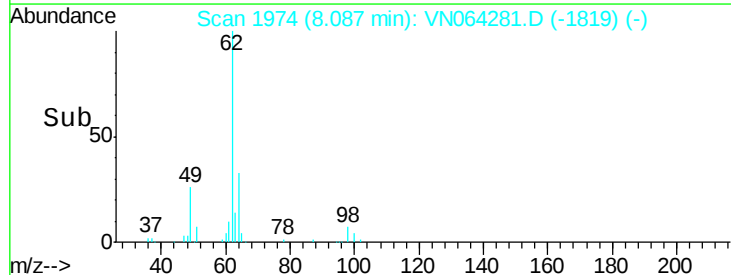
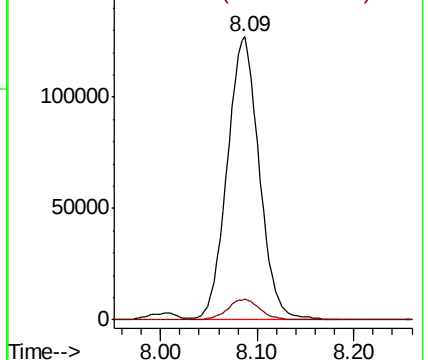


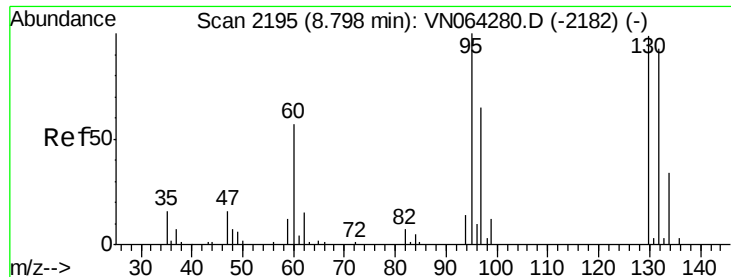
#36
1,2-Dichloroethane
Concen: 54.471 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Tgt Ion: 62 Resp: 290918
Ion Ratio Lower Upper
62 100
98 7.5 5.4 8.0



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

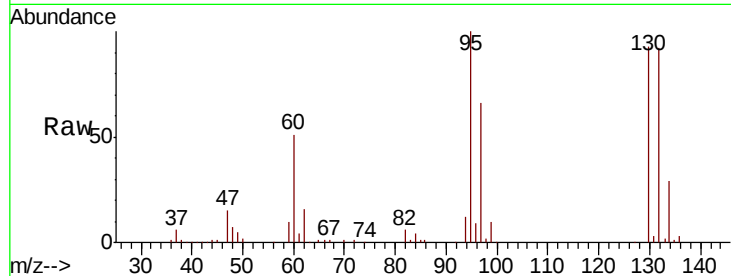




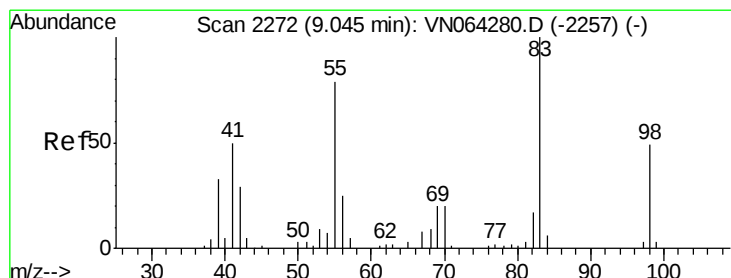
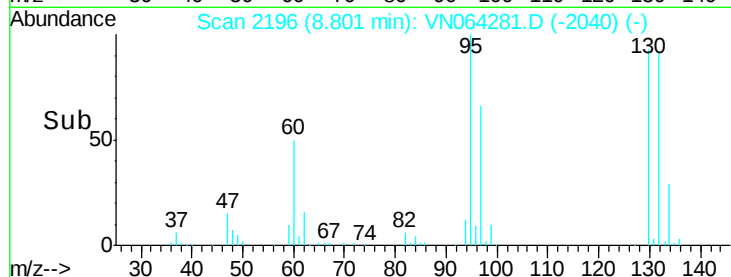
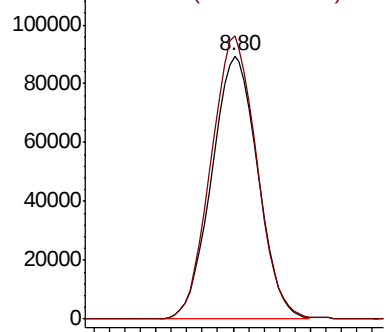
#37
 Trichloroethene
 Concen: 52.089 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN064281.D
 Acq: 23 Oct 2020 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion:130 Resp: 185429
 Ion Ratio Lower Upper
 130 100
 95 107.6 81.2 121.8

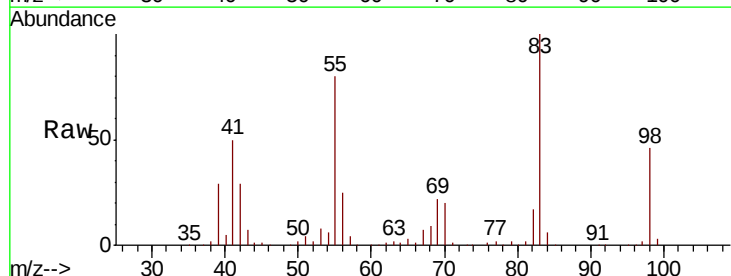


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

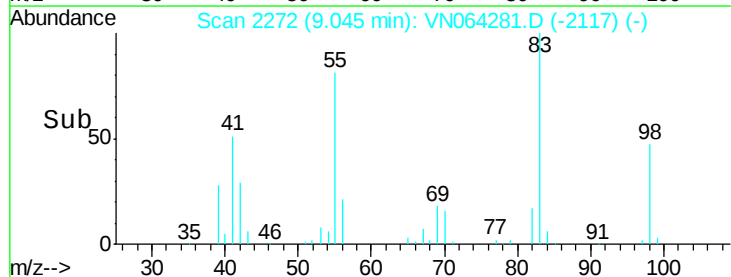
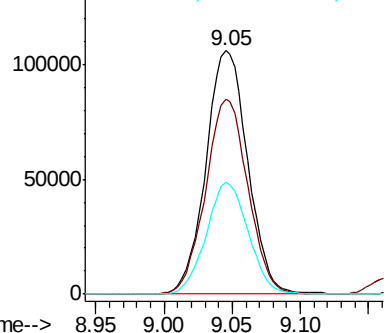


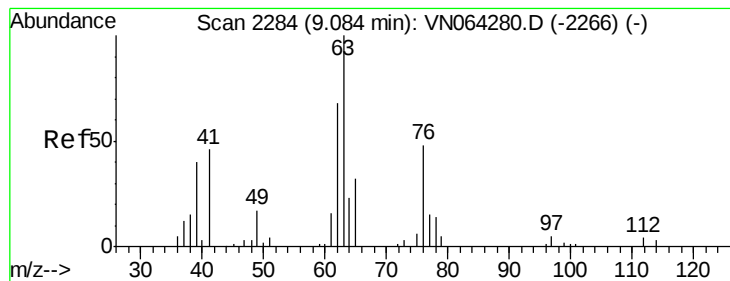
#38
 Methylcyclohexane
 Concen: 50.976 ug/l
 RT: 9.05 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN064281.D
 Acq: 23 Oct 2020 10:46

Tgt Ion: 83 Resp: 225544
 Ion Ratio Lower Upper
 83 100
 55 81.1 40.3 120.9
 98 46.2 25.3 75.8



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





#39

1,2-Dichloropropane

Concen: 53.011 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Instrument :

MSVOA_N

ClientSampleId :

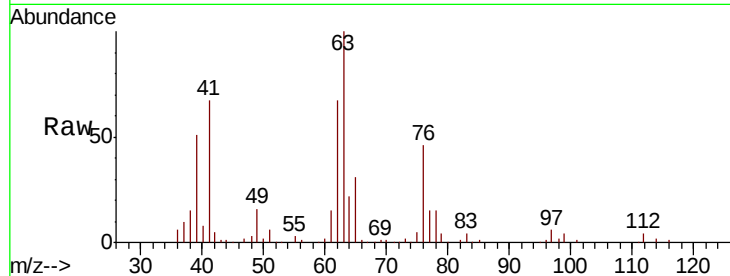
VSTDIC050

Tot Ion: 63 Resp: 184270

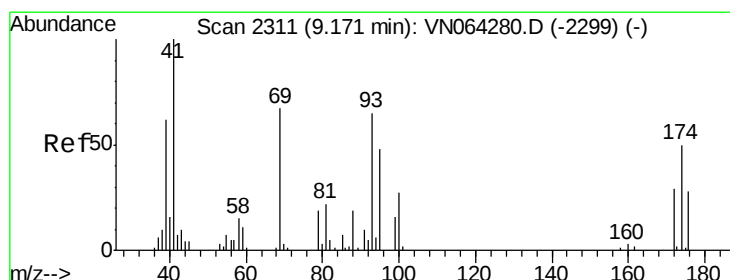
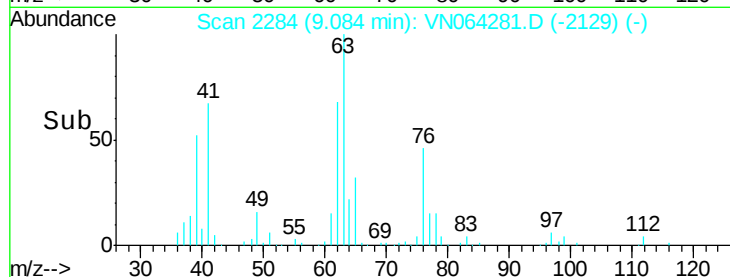
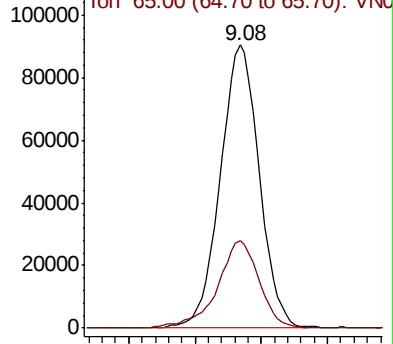
Ion Ratio Lower Upper

63 100

65 30.9 26.1 39.1



Abundance Ion 63.00 (62.70 to 63.70): VN064281.D (-2129) (-)



#40

Dibromomethane

Concen: 52.019 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

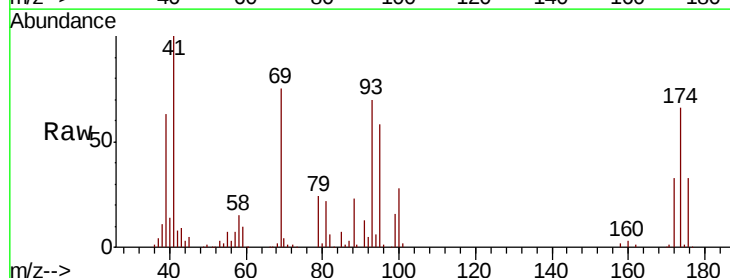
Tgt Ion: 93 Resp: 126608

Ion Ratio Lower Upper

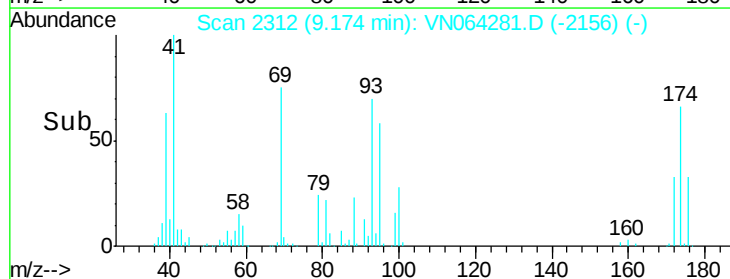
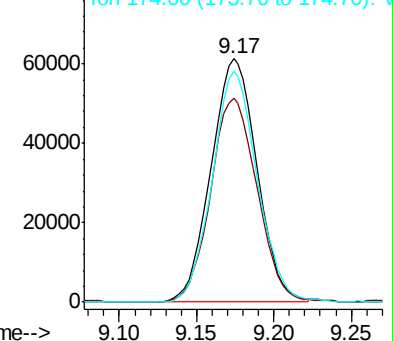
93 100

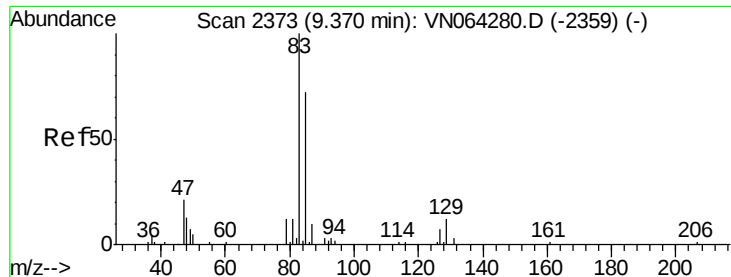
95 84.7 0.0 156.6

174 93.1 0.0 168.8



Abundance Ion 93.00 (92.70 to 93.70): VN064281.D (-2156) (-)

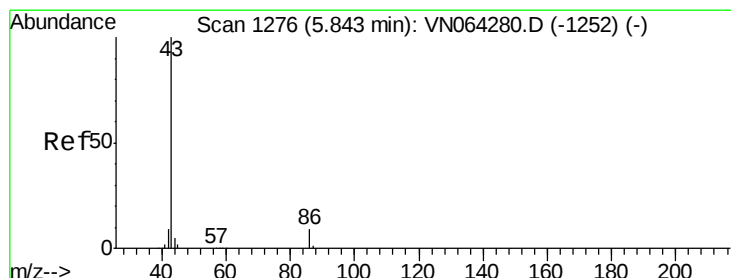
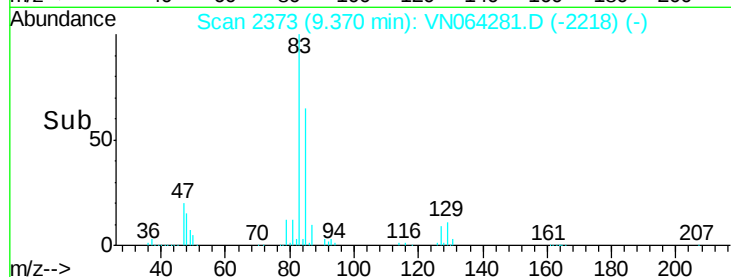
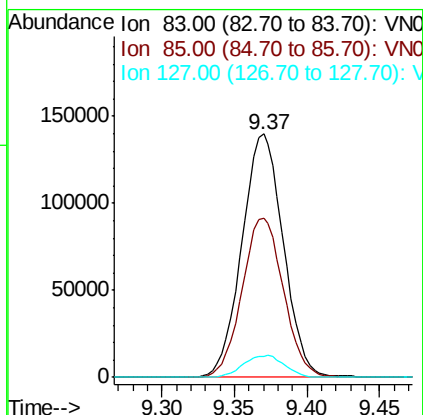
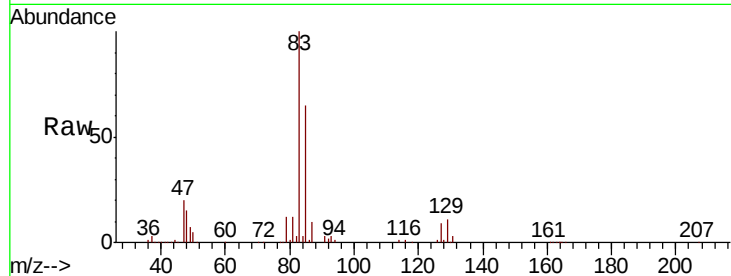




#41
 Bromodichloromethane
 Concen: 53.275 ug/l
 RT: 9.37 min Scan# 2373
 Delta R.T. -0.00 min
 Lab File: VN064281.D
 Acq: 23 Oct 2020 10:46

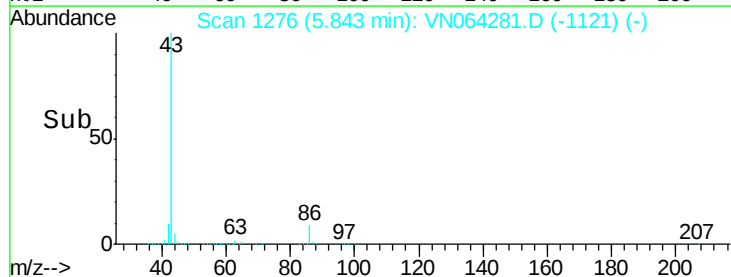
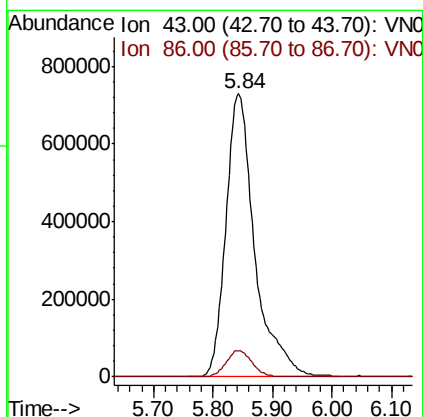
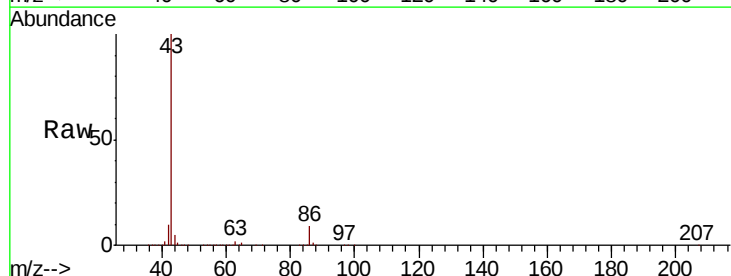
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

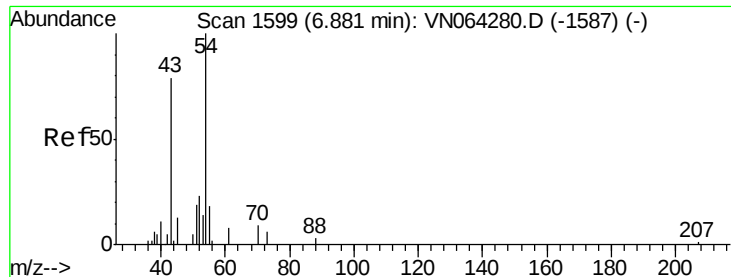
Tot Ion: 83 Resp: 277620
 Ion Ratio Lower Upper
 83 100
 85 65.5 57.8 86.6
 127 8.8 7.0 10.4



#42
 Vinyl Acetate
 Concen: 268.960 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: VN064281.D
 Acq: 23 Oct 2020 10:46

Tgt Ion: 43 Resp: 2458088
 Ion Ratio Lower Upper
 43 100
 86 8.4 6.6 9.8





#43

Ethyl Acetate

Concen: 55.215 ug/l

RT: 6.88 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Instrument :

MSVOA_N

ClientSampleId :

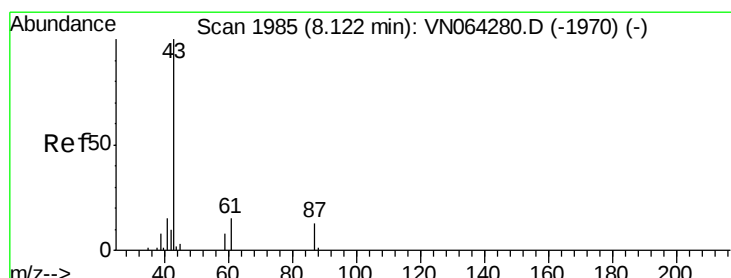
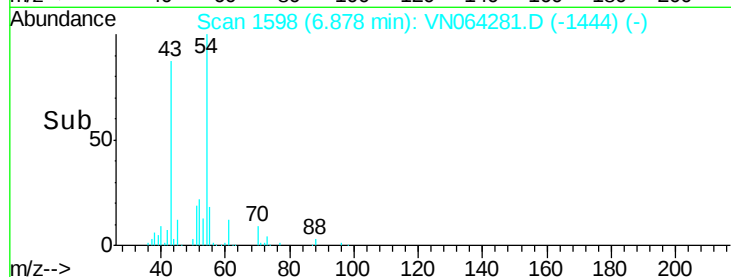
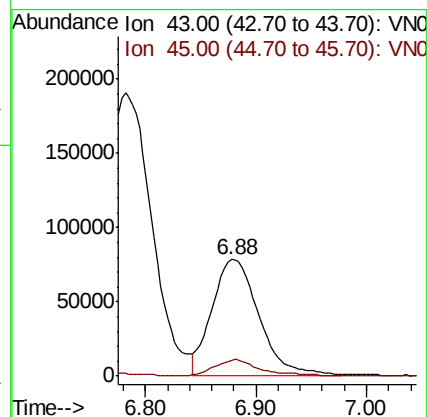
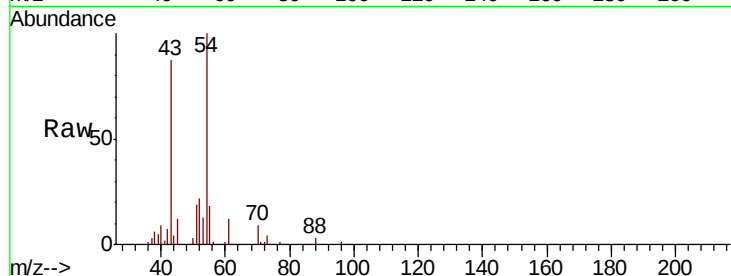
VSTDIC050

Tot Ion: 43 Resp: 230568

Ion Ratio Lower Upper

43 100

45 12.0 8.2 12.4



#44

Isopropyl Acetate

Concen: 53.022 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064281.D

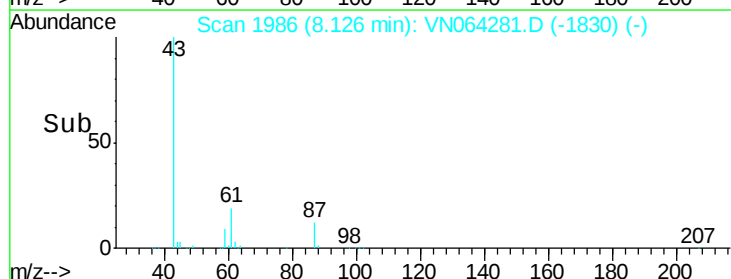
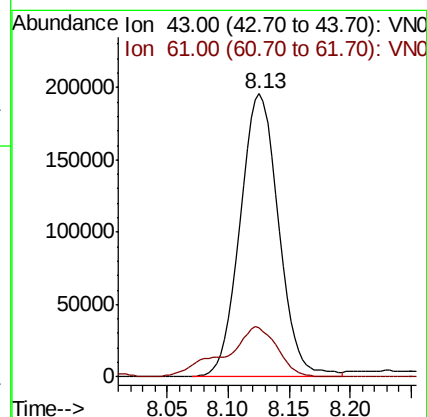
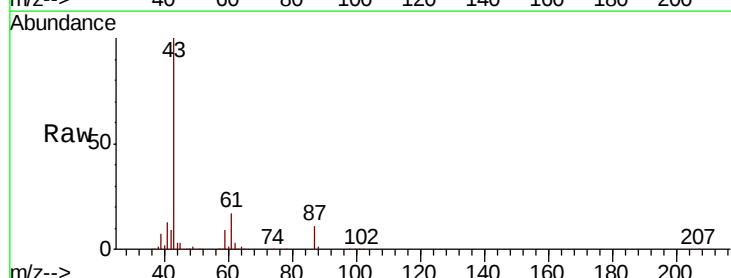
Acq: 23 Oct 2020 10:46

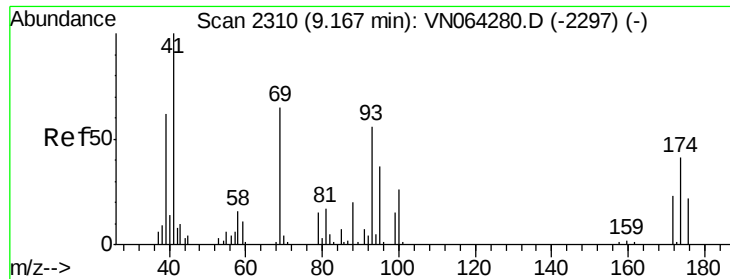
Tgt Ion: 43 Resp: 424462

Ion Ratio Lower Upper

43 100

61 23.8 19.9 29.9

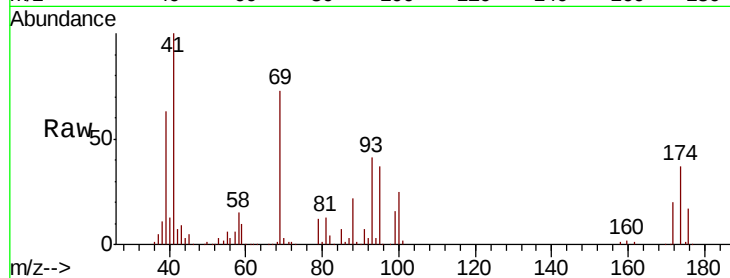




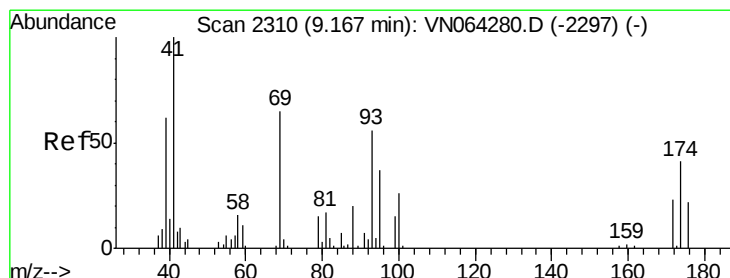
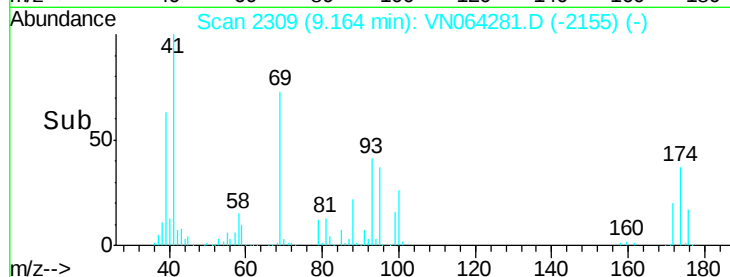
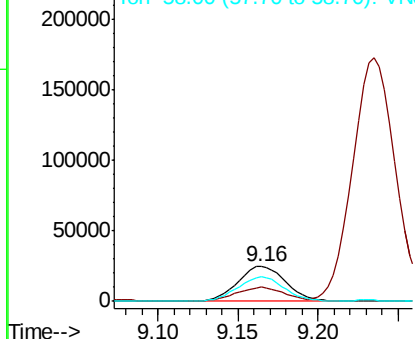
#45
 1,4-Dioxane
 Concen: 1083.554 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN064281.D
 Acq: 23 Oct 2020 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion: 88 Resp: 51236
 Ion Ratio Lower Upper
 88 100
 43 37.9 34.7 52.1
 58 68.1 65.8 98.6

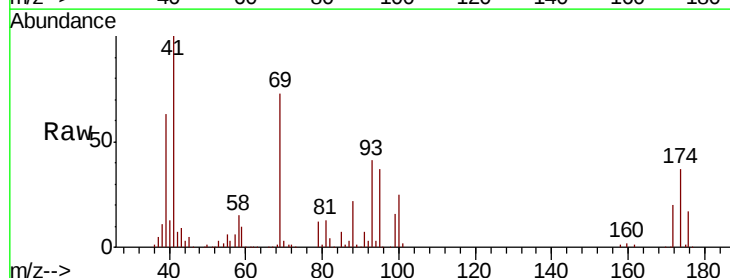


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

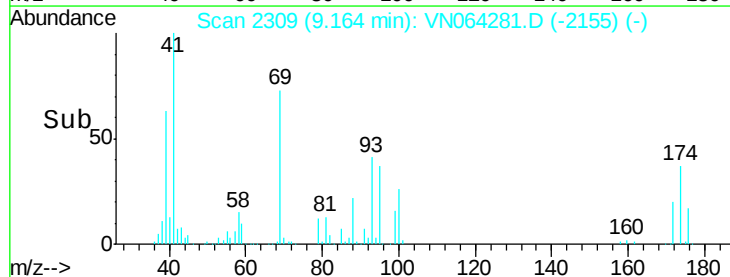
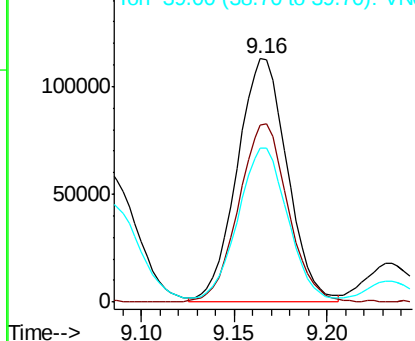


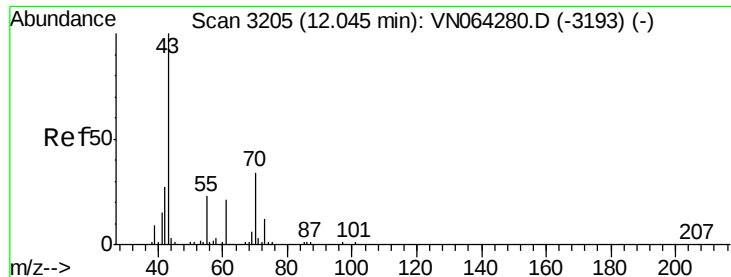
#46
 Methyl methacrylate
 Concen: 55.387 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN064281.D
 Acq: 23 Oct 2020 10:46

Tgt Ion: 41 Resp: 212821
 Ion Ratio Lower Upper
 41 100
 69 73.5 32.6 97.7
 39 62.8 31.1 93.3



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





#47

n-amvl Acetate

Concen: 53.098 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Instrument :

MSVOA_N

ClientSampled :

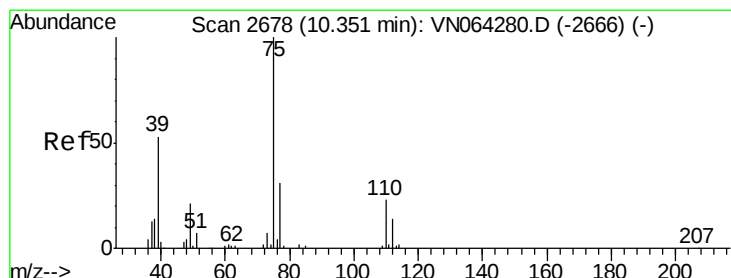
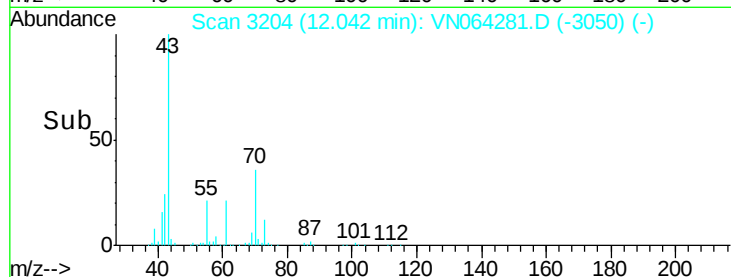
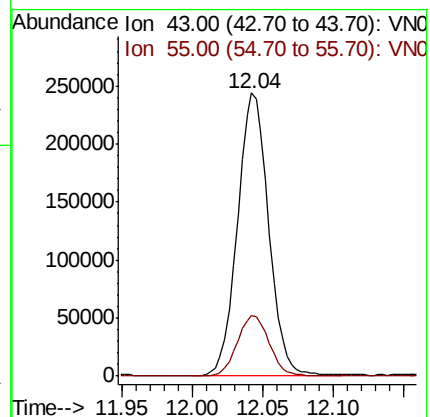
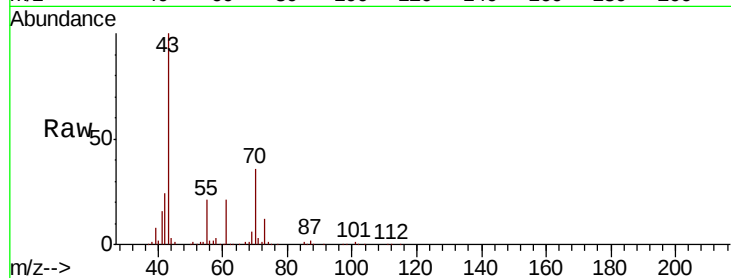
VSTDIC050

Tot Ion: 43 Resp: 377172

Ion Ratio Lower Upper

43 100

55 22.0 18.2 27.2



#48

t-1,3-Dichloropropene

Concen: 52.535 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064281.D

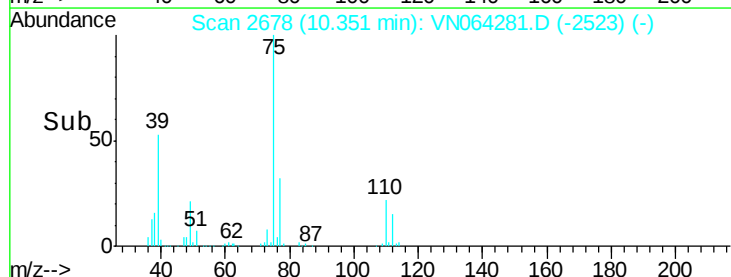
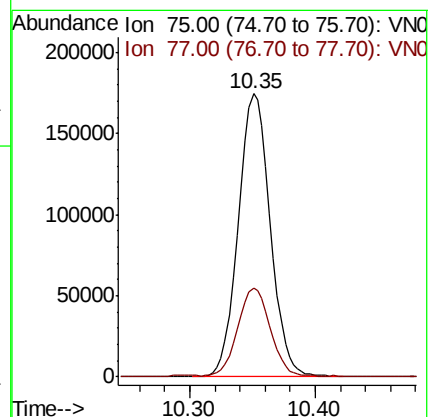
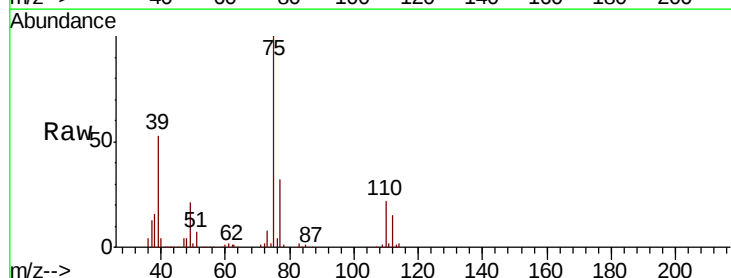
Acq: 23 Oct 2020 10:46

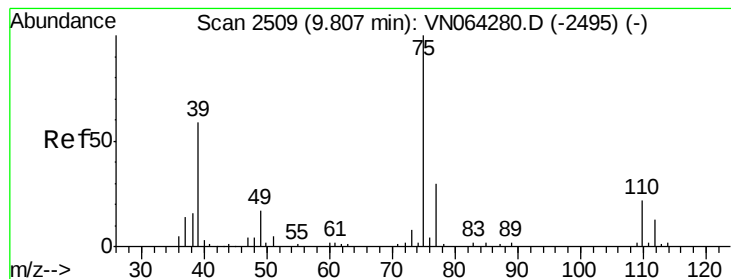
Tgt Ion: 75 Resp: 309507

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.0





#49

cis-1,3-Dichloropropene

Concen: 53.085 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

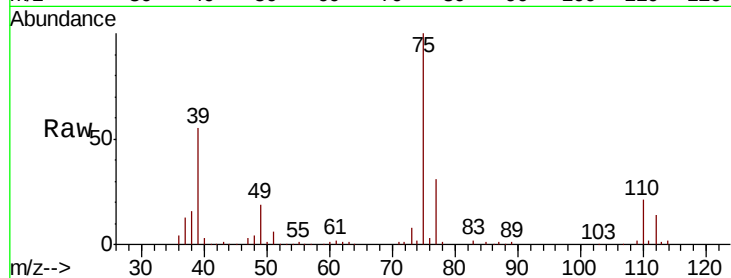
Tot Ion: 75 Resp: 322003

Ion Ratio Lower Upper

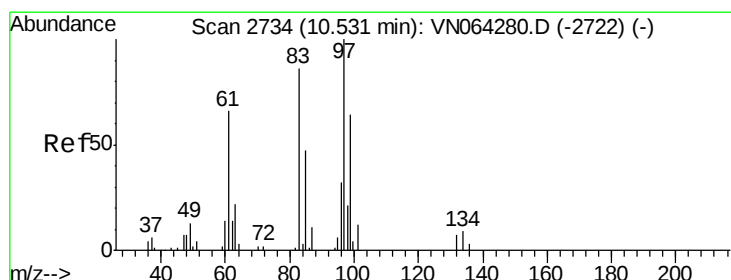
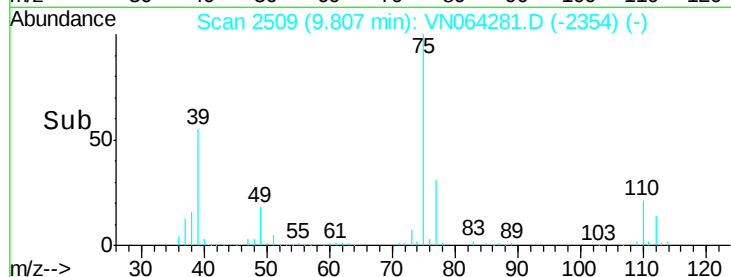
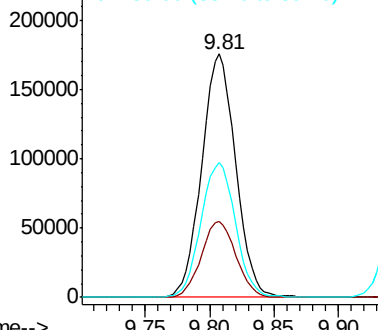
75 100

77 31.0 23.7 35.5

39 55.0 46.9 70.3



Abundance Ion 75.00 (74.70 to 75.70): VNO
Ion 77.00 (76.70 to 77.70): VNO
Ion 39.00 (38.70 to 39.70): VNO



#50

1,1,2-Trichloroethane

Concen: 52.839 ug/l

RT: 10.53 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Tgt Ion: 97 Resp: 170340

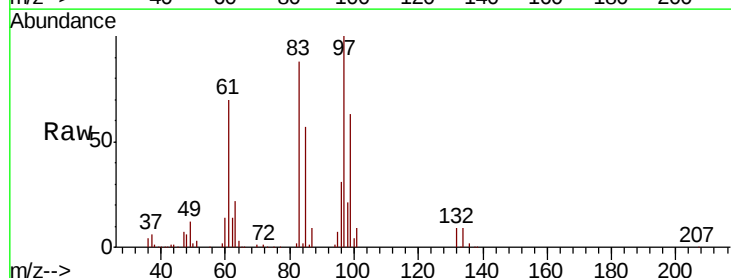
Ion Ratio Lower Upper

97 100

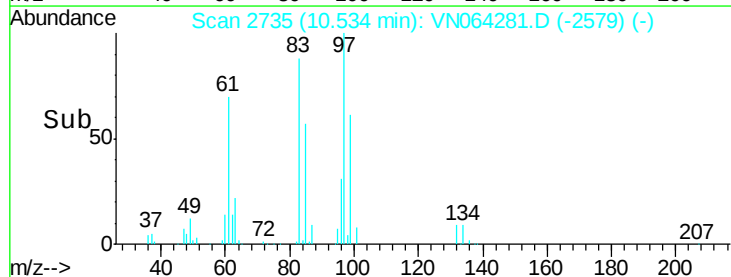
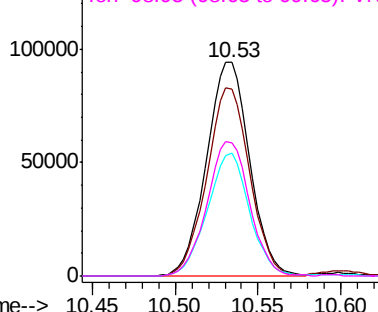
83 87.8 68.9 103.3

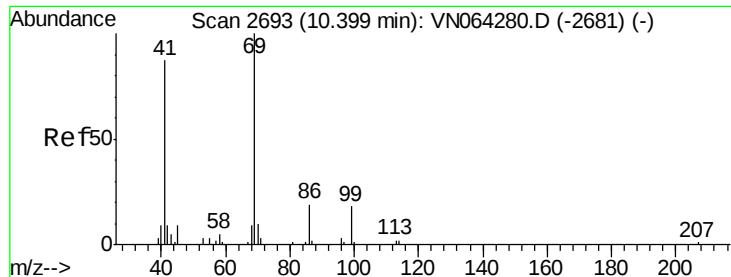
85 57.3 37.8 56.8#

99 62.6 51.0 76.6



Abundance Ion 97.00 (96.70 to 97.70): VNO
Ion 82.95 (82.65 to 83.65): VNO
Ion 84.95 (84.65 to 85.65): VNO
Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 52.480 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

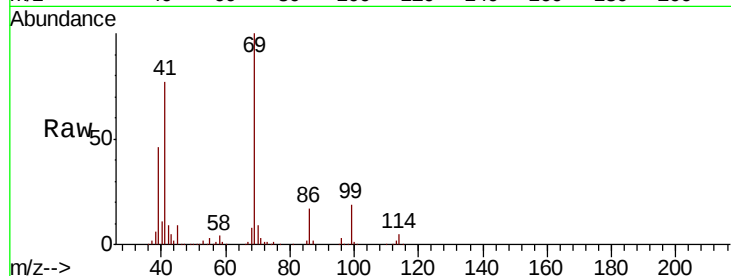
Tot Ion: 69 Resp: 264136

Ion	Ratio	Lower	Upper
69	100		
41	77.2	43.6	130.9
39	45.8	25.8	77.3

69 100

41 77.2 43.6 130.9

39 45.8 25.8 77.3

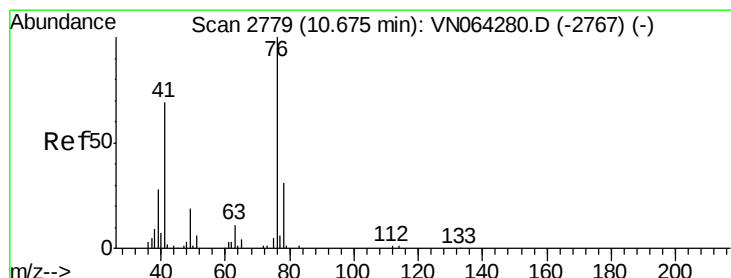
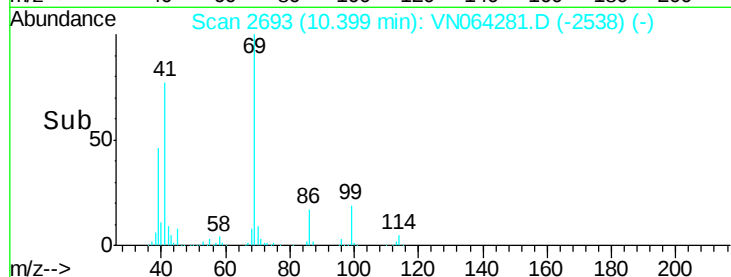
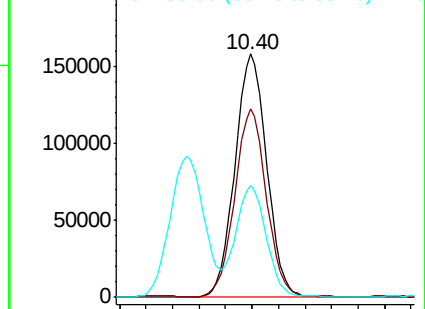


Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 53.842 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN064281.D

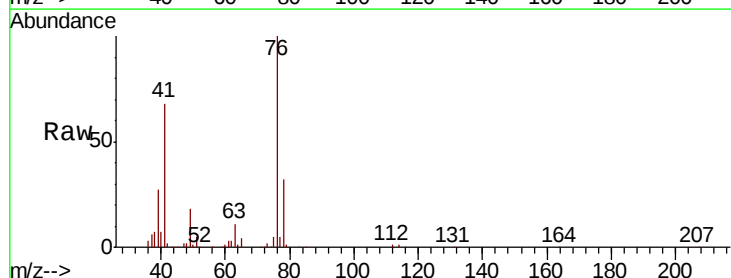
Acq: 23 Oct 2020 10:46

Tgt Ion: 76 Resp: 300089

Ion	Ratio	Lower	Upper
76	100		
78	31.9	0.0	64.6

76 100

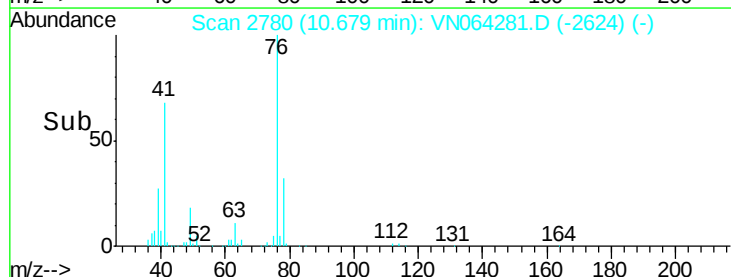
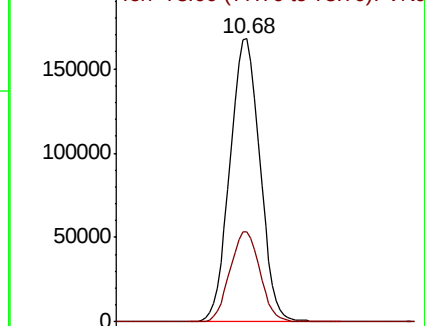
78 31.9 0.0 64.6

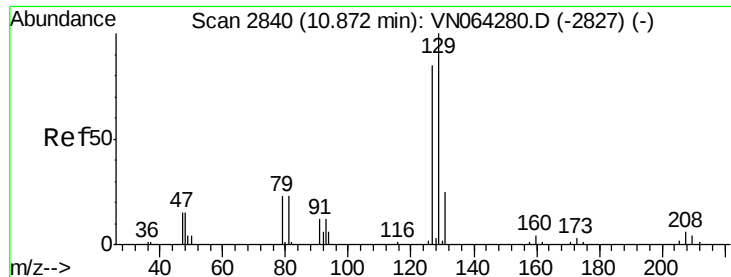


Abundance

Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

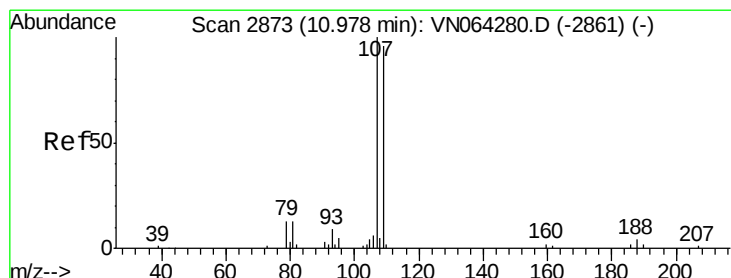
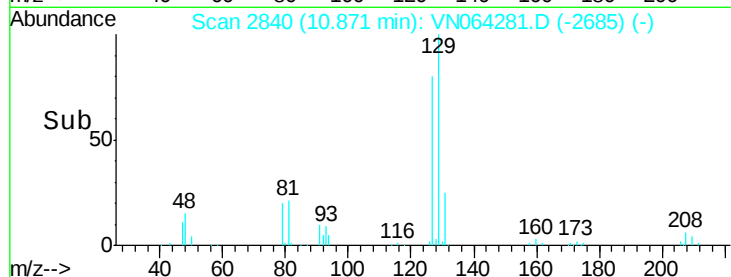
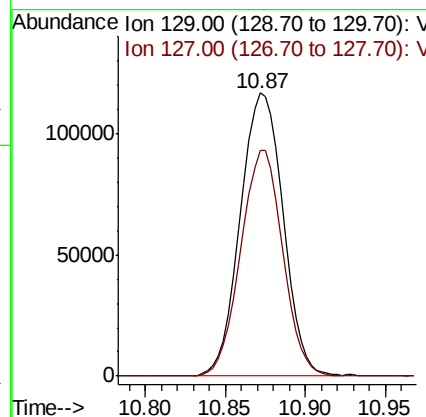
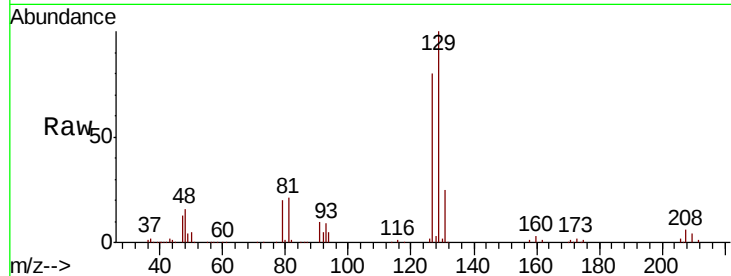




#53
Dibromochloromethane
Concen: 53.455 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

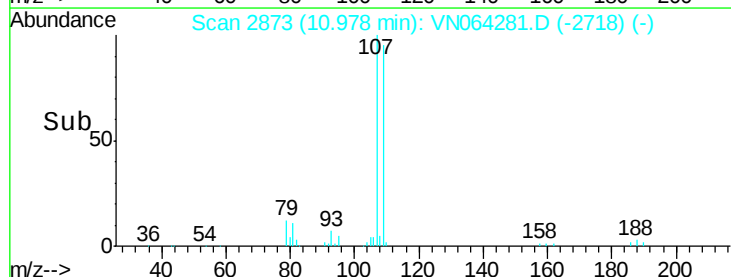
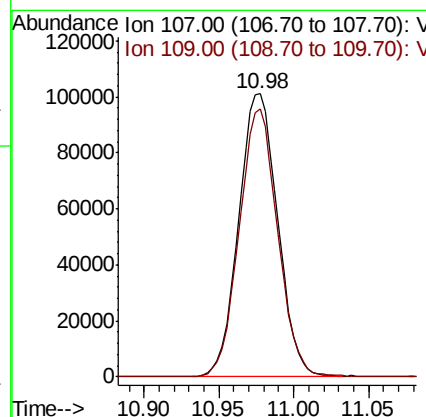
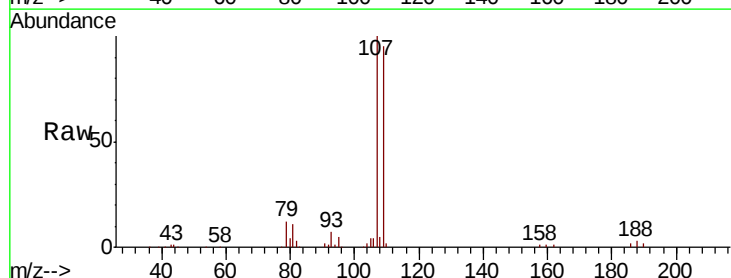
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

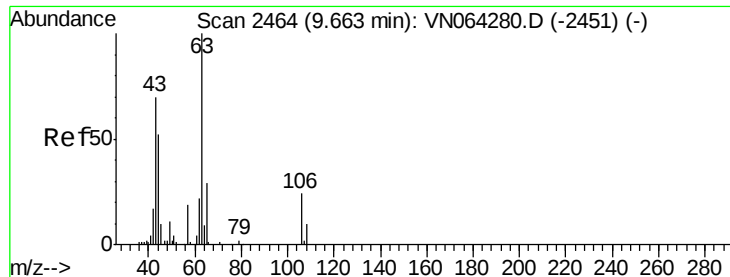
Tot Ion:129 Resp: 213908
Ion Ratio Lower Upper
129 100
127 78.3 42.4 127.2



#54
1,2-Dibromoethane
Concen: 53.793 ug/l
RT: 10.98 min Scan# 2873
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Tgt Ion:107 Resp: 183538
Ion Ratio Lower Upper
107 100
109 93.4 75.7 113.5





#55

2-Chloroethyl vinyl ether

Concen: 285.308 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

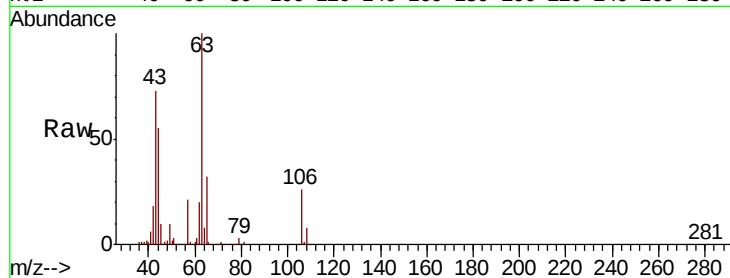
Tot Ion: 63 Resp: 655142

Ion Ratio Lower Upper

63 100

65 31.9 25.2 37.8

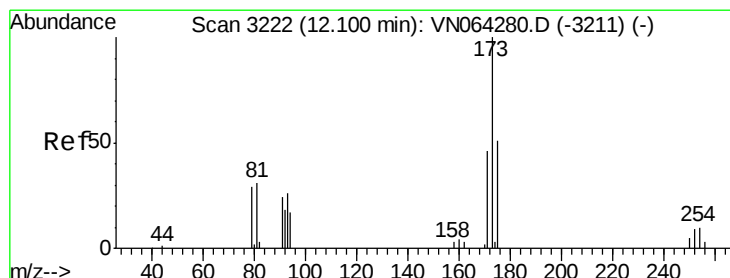
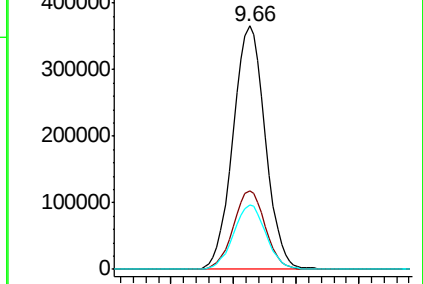
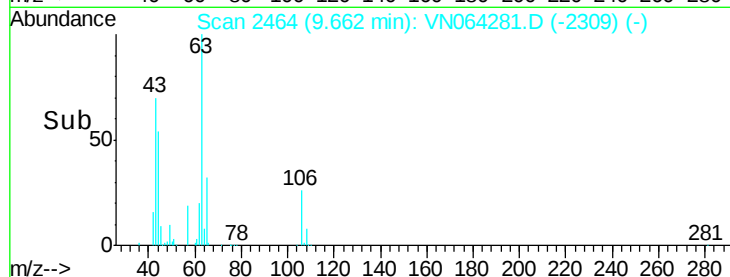
106 26.5 20.6 31.0



Abundance Ion 63.00 (62.70 to 63.70): VN064281.D (-2309) (-)

Ion 65.00 (64.70 to 65.70): VN064281.D (-2309) (-)

Ion 106.00 (105.70 to 106.70): VN064281.D (-2309) (-)



#56

Bromoform

Concen: 53.386 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

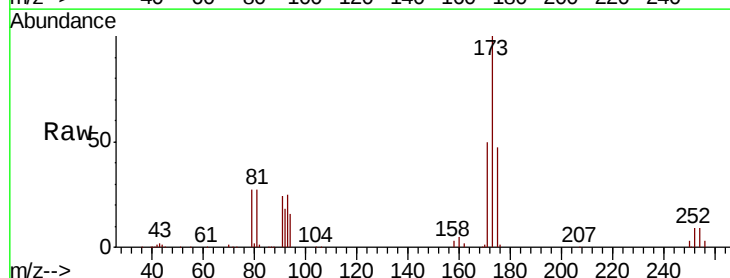
Tgt Ion: 173 Resp: 149637

Ion Ratio Lower Upper

173 100

175 48.3 39.5 59.3

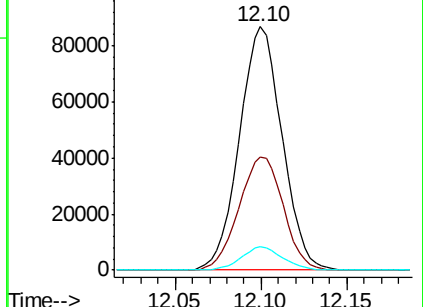
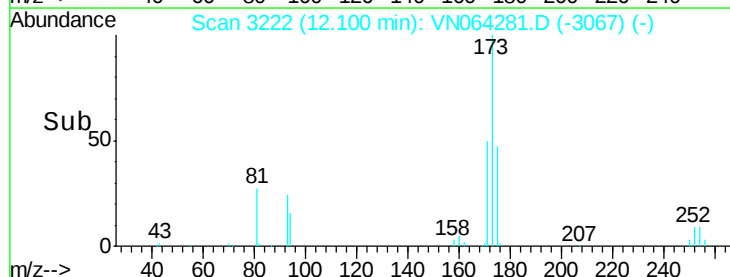
254 9.1 5.0 7.4#

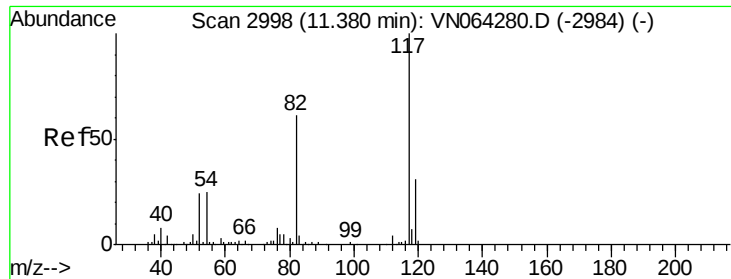


Abundance Ion 173.00 (172.70 to 173.70): VN064281.D (-3067) (-)

Ion 175.00 (174.70 to 175.70): VN064281.D (-3067) (-)

Ion 254.00 (253.70 to 254.70): VN064281.D (-3067) (-)

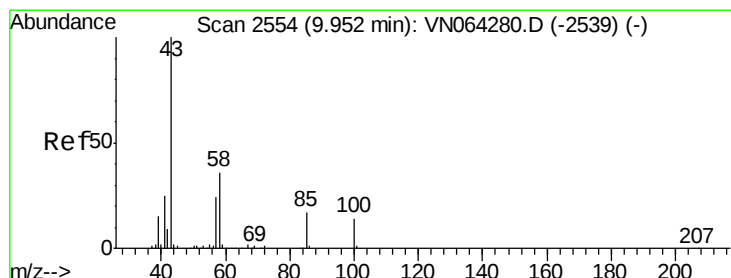
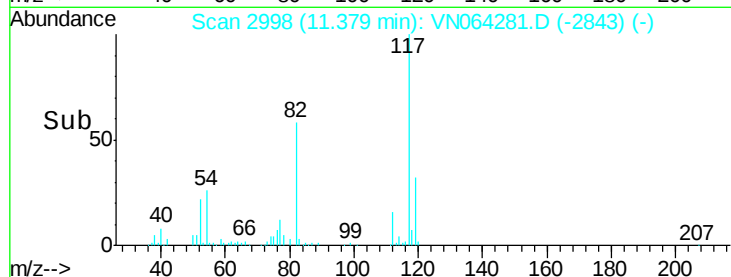
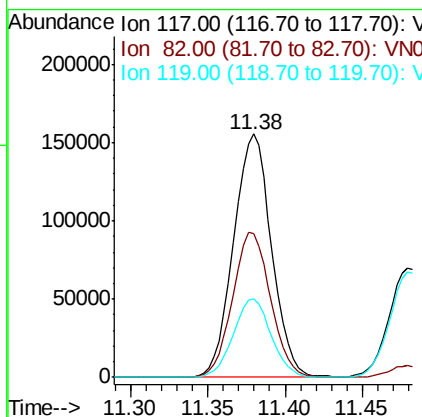
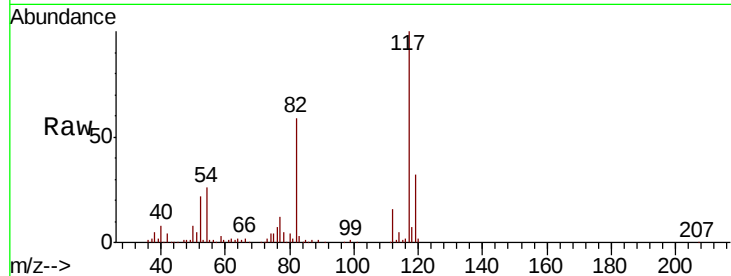




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

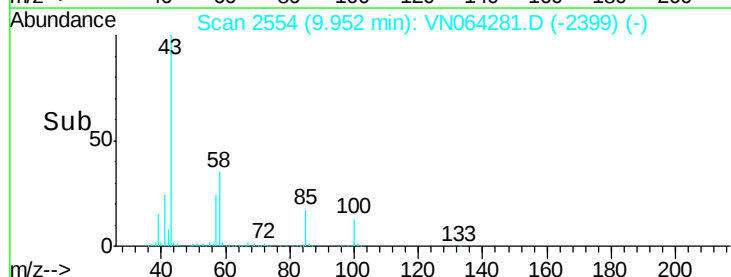
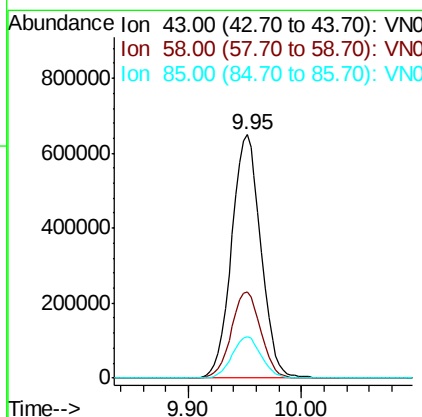
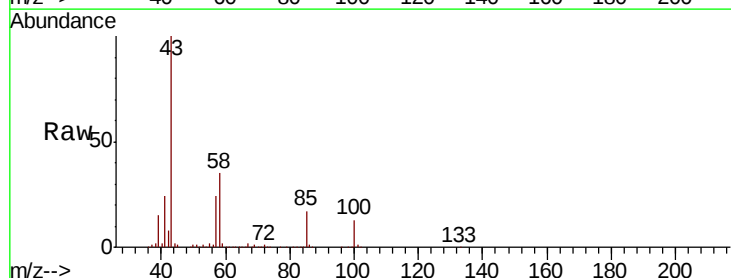
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

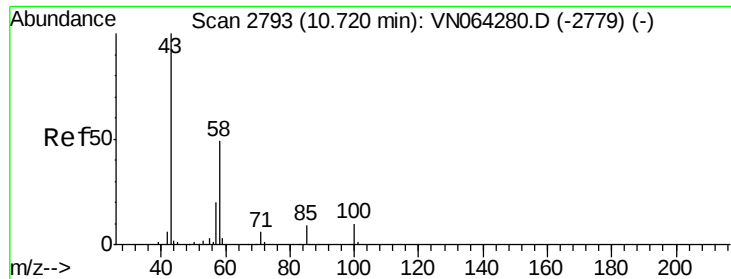
Tot Ion	Ratio	Lower	Upper
117	100		
82	59.6	47.0	70.6
119	32.2	24.6	37.0



#58
4-Methyl-2-Pentanone
Concen: 266.716 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.9	28.6	43.0
85	16.9	13.7	20.5

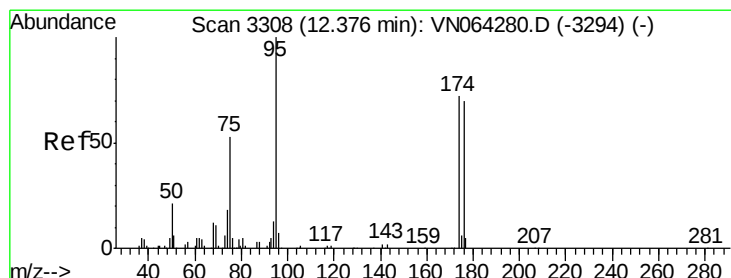
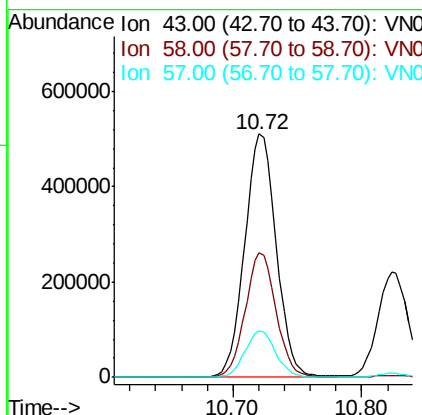
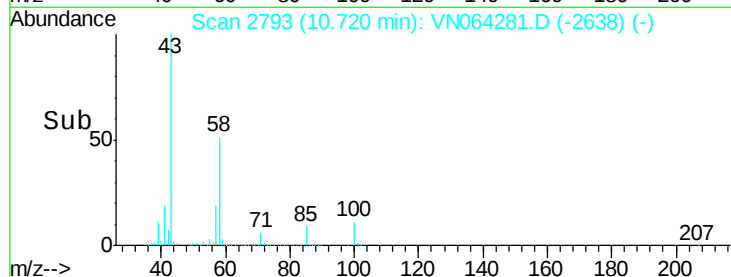
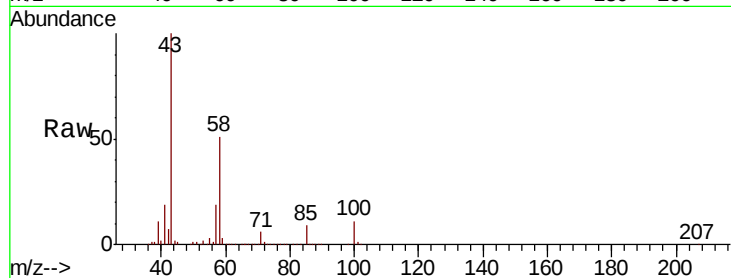




#59
2-Hexanone
Concen: 267.274 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

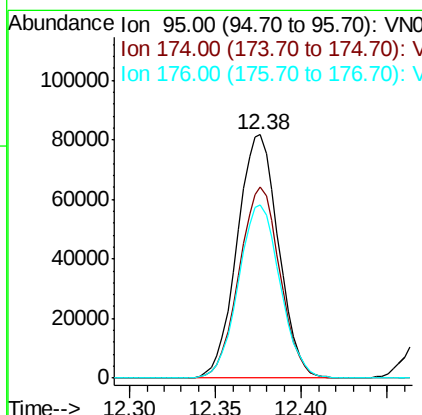
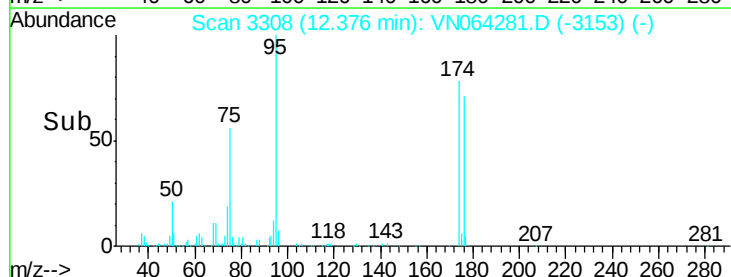
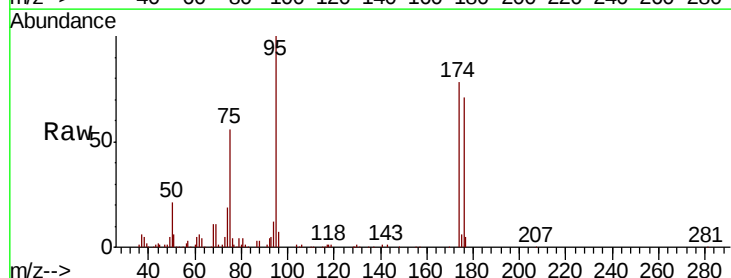
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

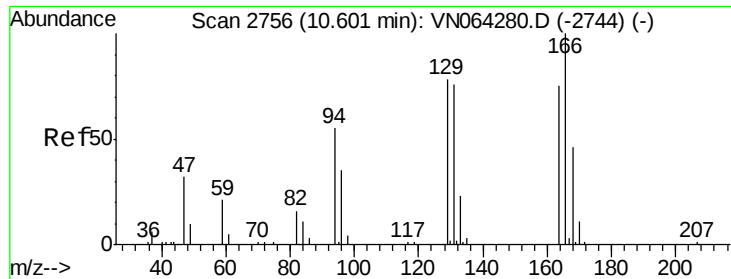
Tot Ion: 43 Resp: 867860
Ion Ratio Lower Upper
43 100
58 50.2 40.5 60.7
57 18.9 15.4 23.0



#60
4-Bromofluorobenzene
Concen: 29.025 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Tgt Ion: 95 Resp: 136938
Ion Ratio Lower Upper
95 100
174 77.4 57.9 86.9
176 71.8 56.7 85.1





#61

Tetrachloroethene

Concen: 53.233 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:164 Resp: 184899

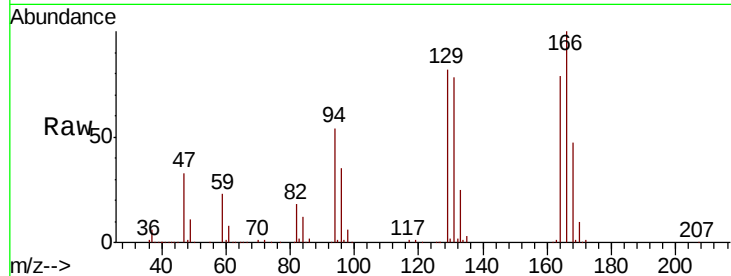
Ion Ratio Lower Upper

164 100

166 126.4 107.4 161.0

129 103.1 84.3 126.5

131 99.1 81.1 121.7

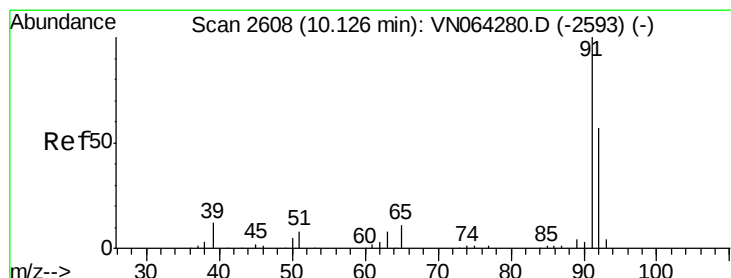
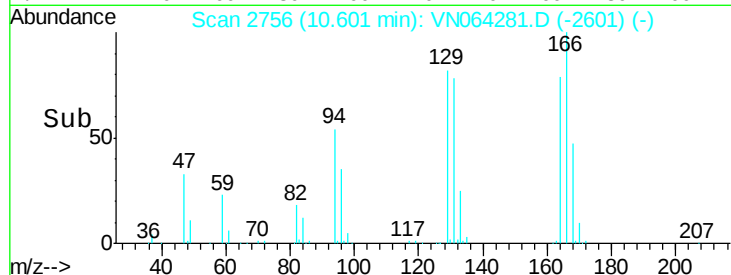
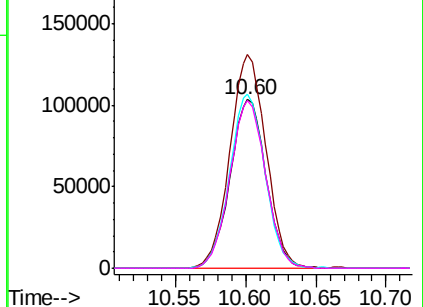


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 52.358 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064281.D

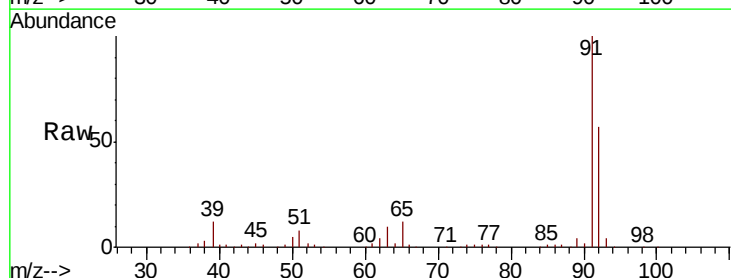
Acq: 23 Oct 2020 10:46

Tgt Ion: 91 Resp: 766611

Ion Ratio Lower Upper

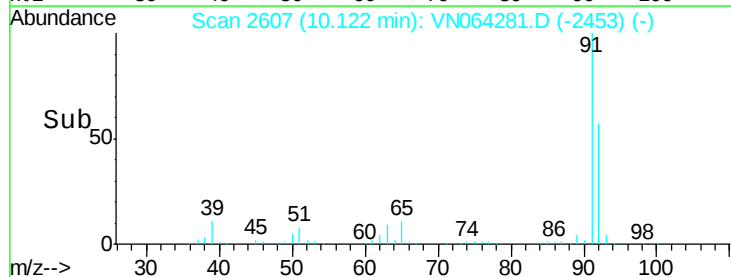
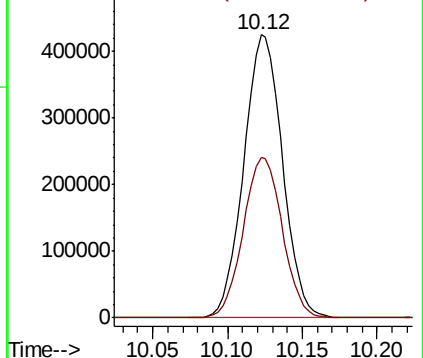
91 100

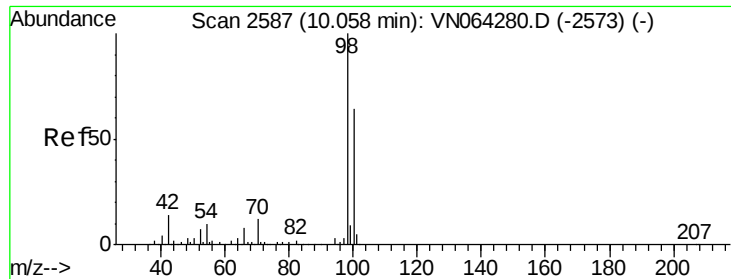
92 57.2 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 29.846 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Instrument :

MSVOA_N

ClientSampleId :

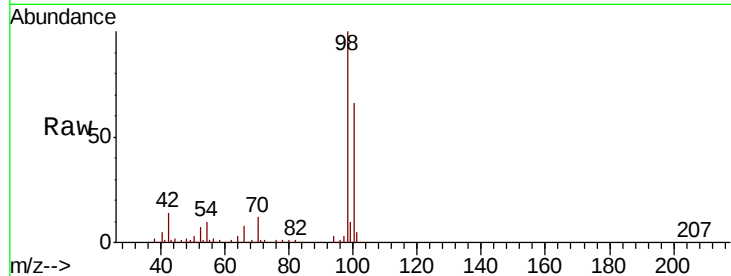
VSTDIC050

Tot Ion: 98 Resp: 357141

Ion Ratio Lower Upper

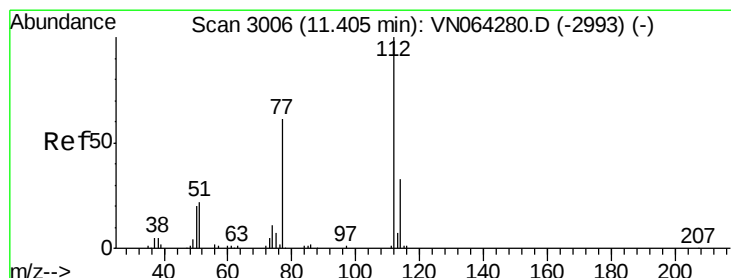
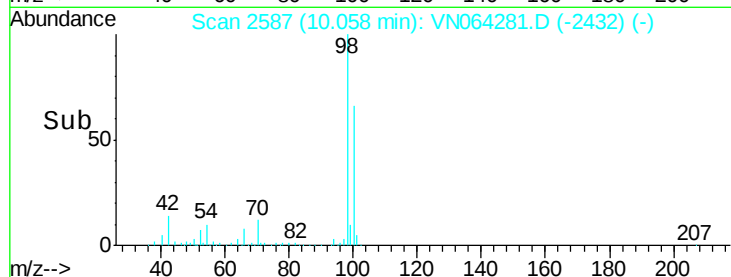
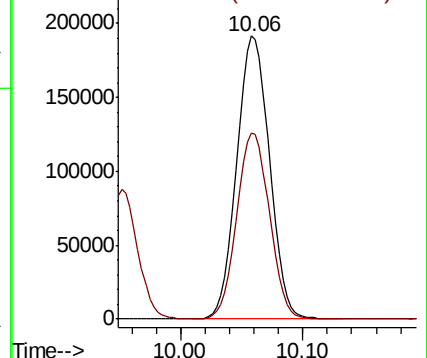
98 100

100 65.3 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN064281.D (-2573) (-)

Ion 100.00 (99.70 to 100.70): VN064281.D (-2573) (-)



#64

Chlorobenzene

Concen: 52.131 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VN064281.D

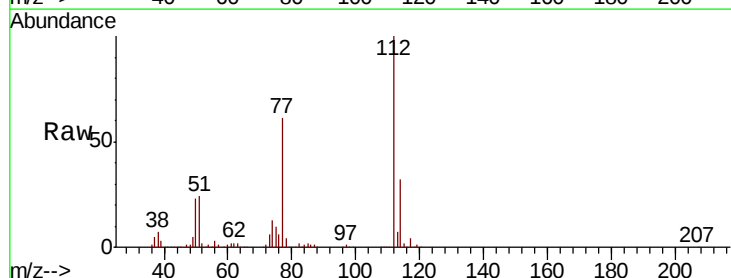
Acq: 23 Oct 2020 10:46

Tgt Ion: 112 Resp: 474393

Ion Ratio Lower Upper

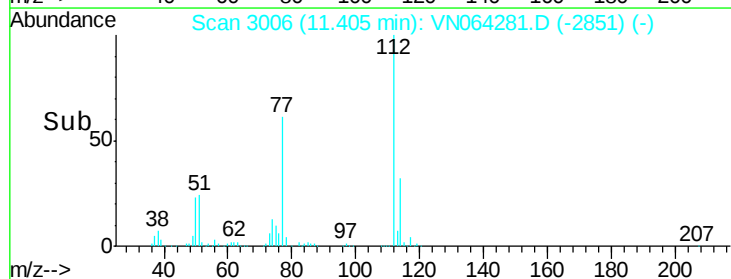
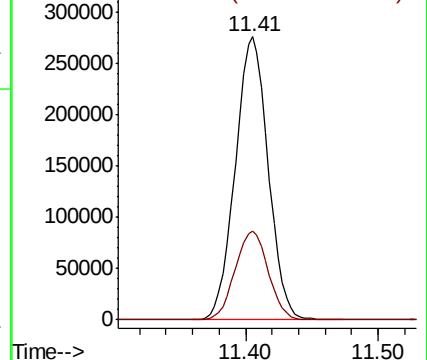
112 100

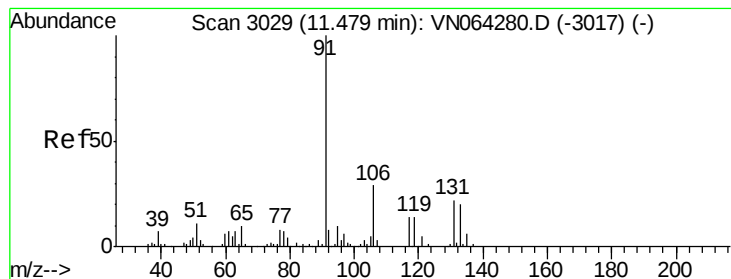
114 31.6 26.5 39.7



Abundance Ion 112.00 (111.70 to 112.70): VN064281.D (-2851) (-)

Ion 114.00 (113.70 to 114.70): VN064281.D (-2851) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 53.113 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

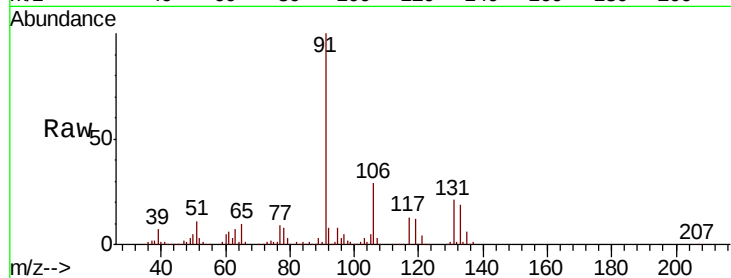
Tot Ion:131 Resp: 190502

Ion Ratio Lower Upper

131 100

133 94.8 0.0 193.4

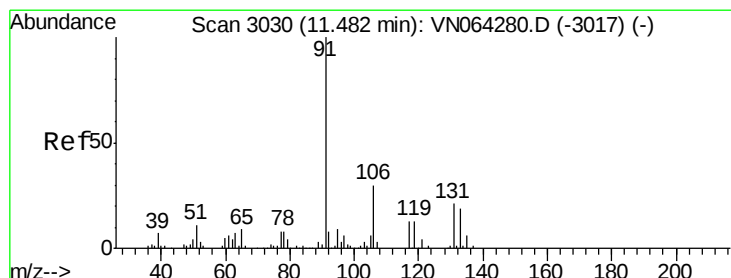
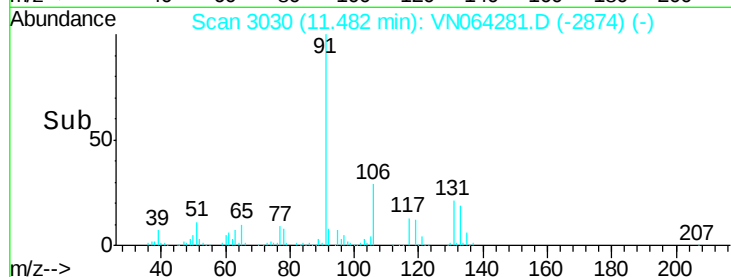
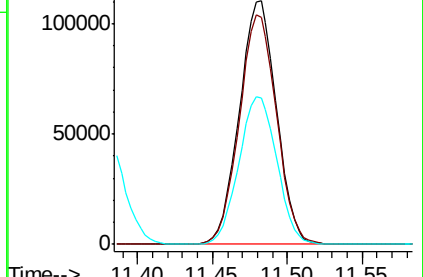
119 62.3 0.0 125.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 52.704 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. -0.00 min

Lab File: VN064281.D

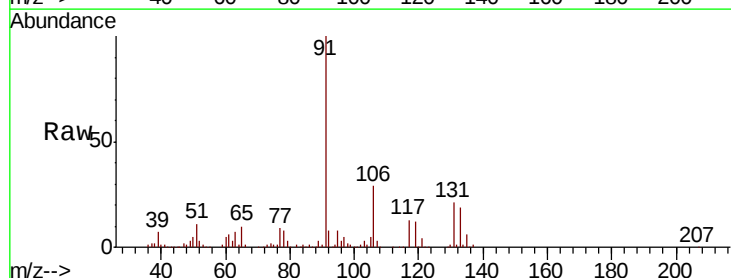
Acq: 23 Oct 2020 10:46

Tgt Ion: 91 Resp: 884472

Ion Ratio Lower Upper

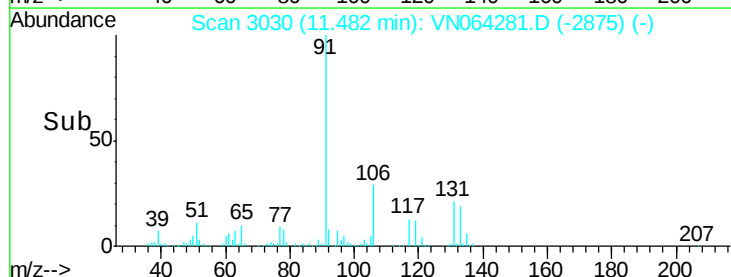
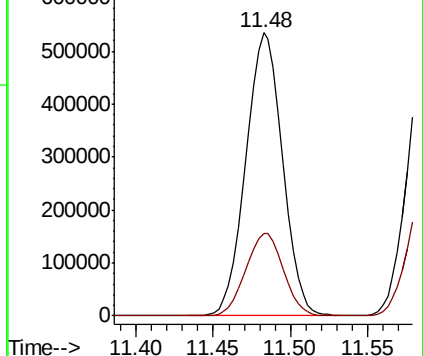
91 100

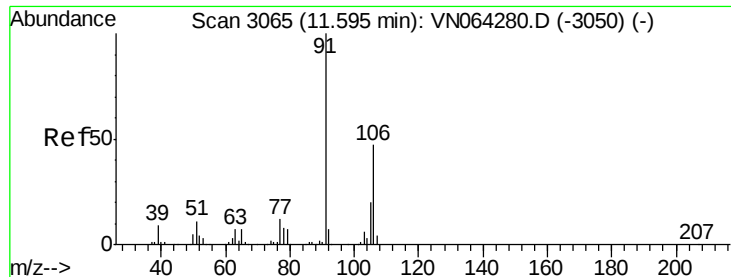
106 29.3 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 104.192 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Instrument :

MSVOA_N

ClientSampleId :

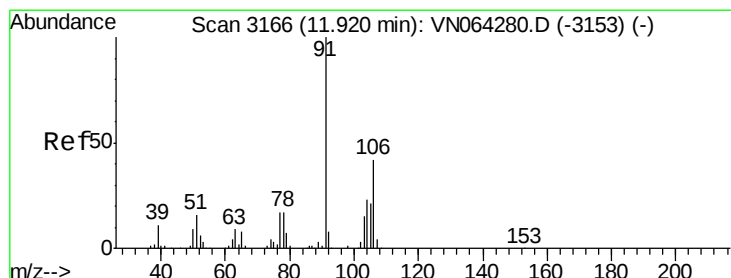
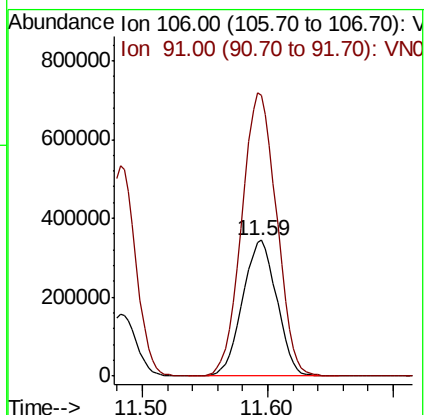
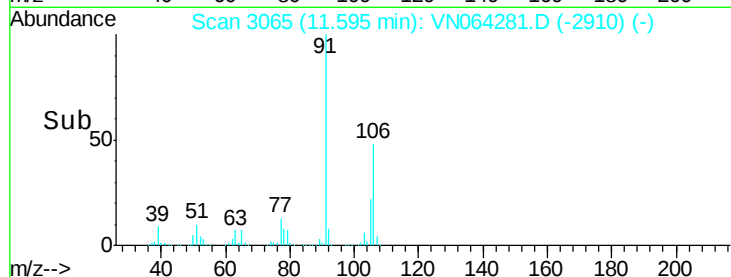
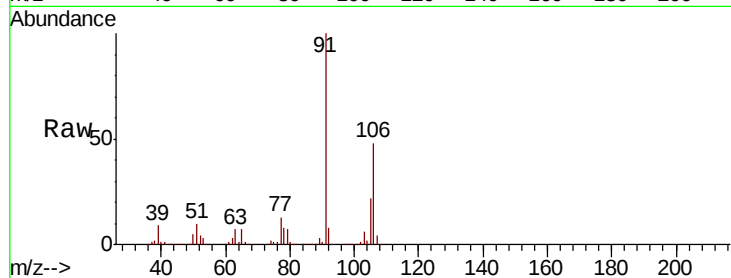
VSTDIC050

Tot Ion:106 Resp: 651396

Ion Ratio Lower Upper

106 100

91 212.2 170.6 255.8



#68

o-Xylene

Concen: 52.084 ug/l

RT: 11.92 min Scan# 3166

Delta R.T. -0.00 min

Lab File: VN064281.D

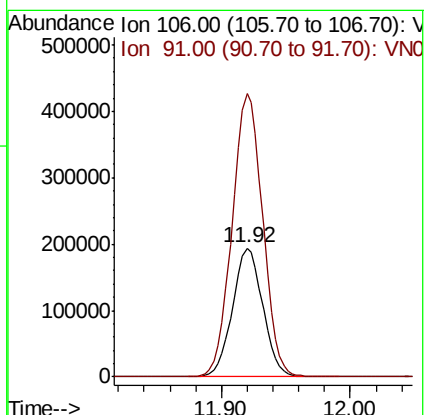
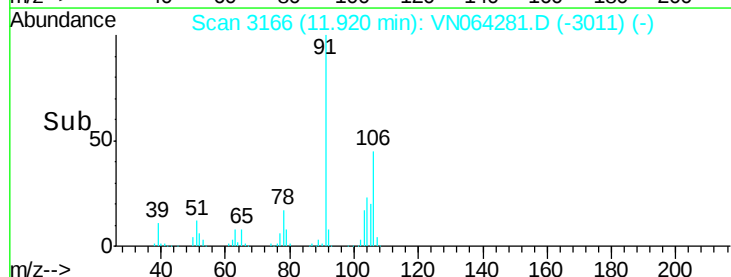
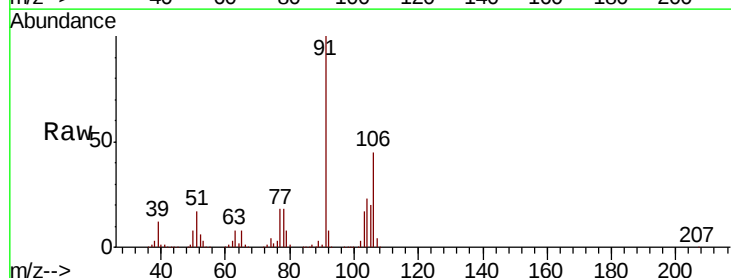
Acq: 23 Oct 2020 10:46

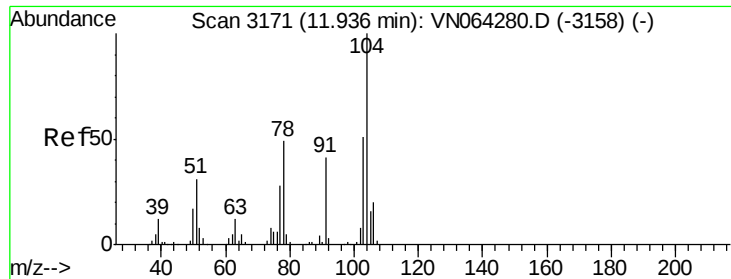
Tgt Ion:106 Resp: 315852

Ion Ratio Lower Upper

106 100

91 222.2 115.3 346.0

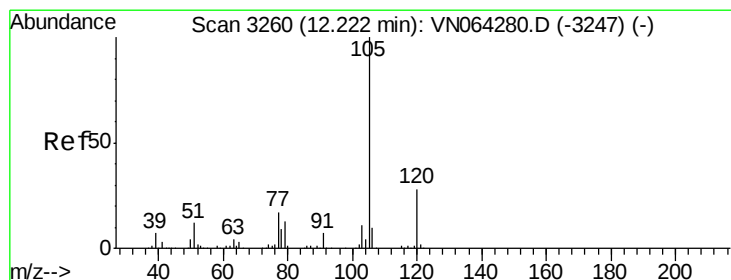
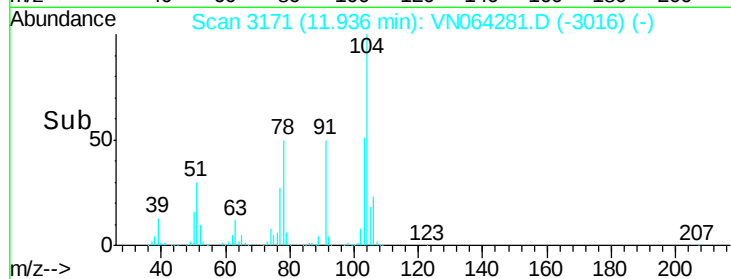
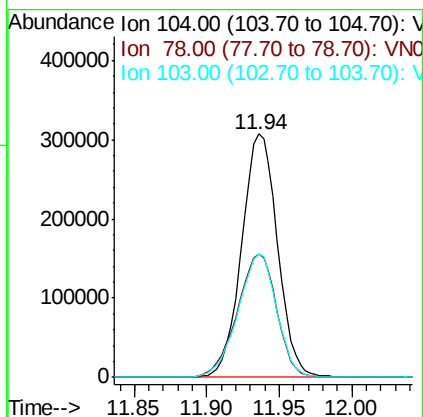
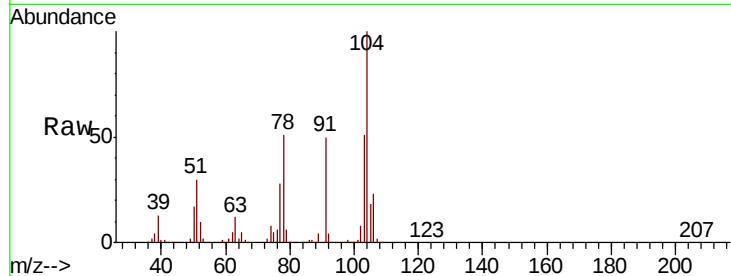




#69
Stvrene
Concen: 51.677 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

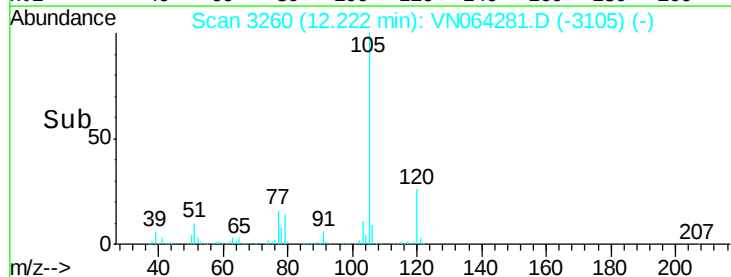
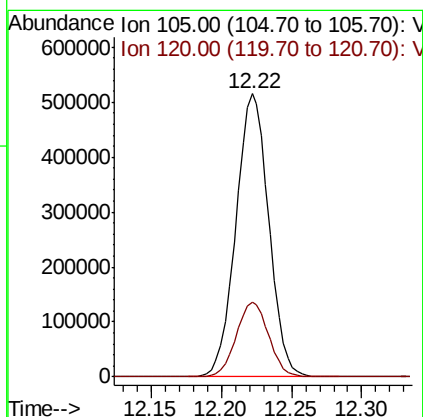
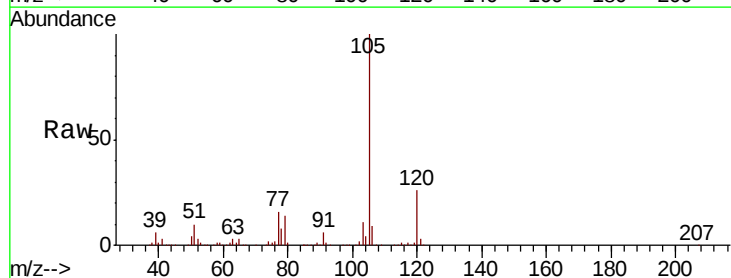
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

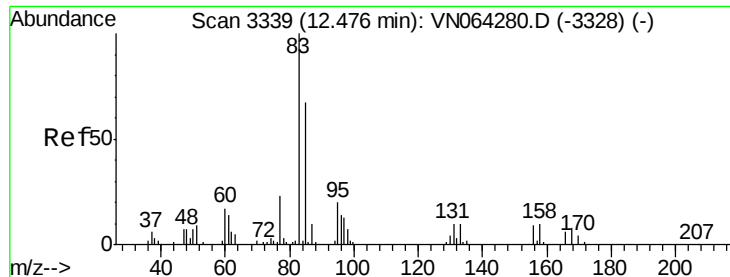
Tot Ion:104 Resp: 528466
Ion Ratio Lower Upper
104 100
78 55.9 45.4 68.2
103 54.8 44.6 67.0



#70
Isopropylbenzene
Concen: 52.509 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Tgt Ion:105 Resp: 839290
Ion Ratio Lower Upper
105 100
120 26.1 18.6 34.5

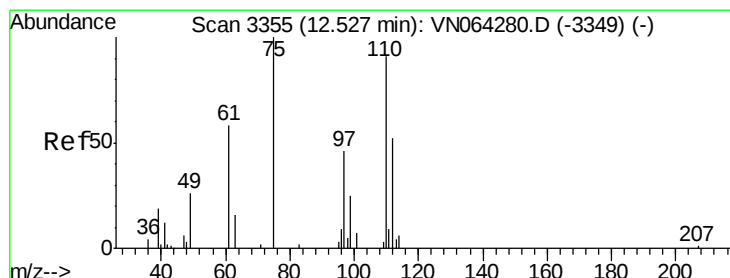
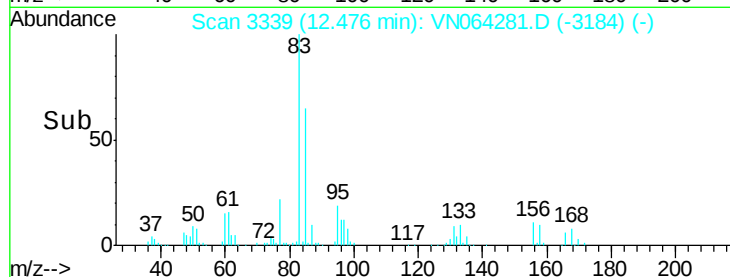
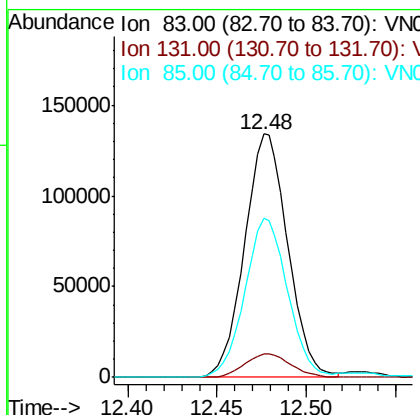
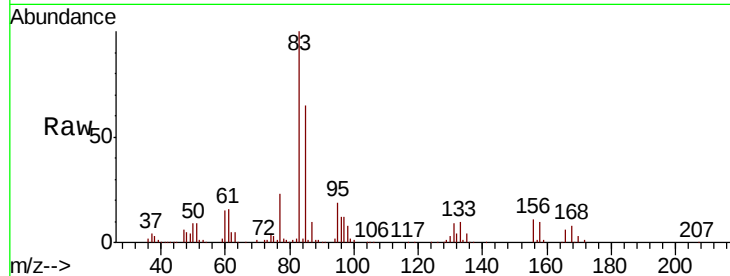




#71
 1,1,2,2-Tetrachloroethane
 Concen: 51.779 ug/l
 RT: 12.48 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VN064281.D
 Acq: 23 Oct 2020 10:46

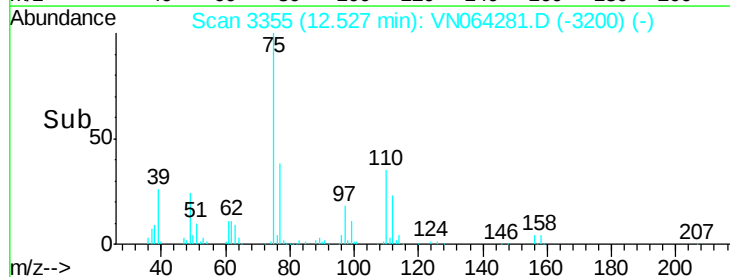
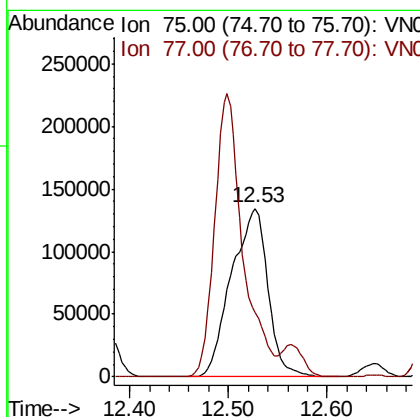
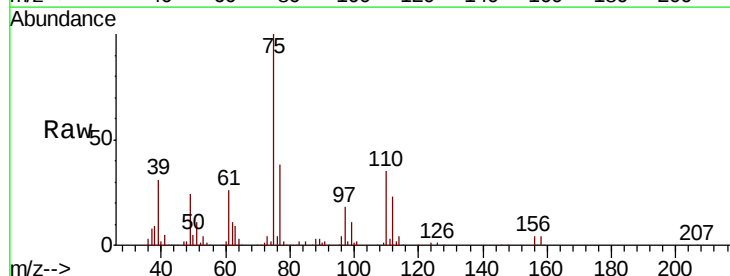
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

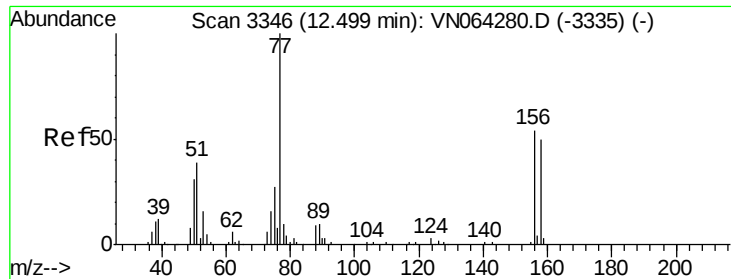
Tot Ion: 83 Resp: 227332
 Ion Ratio Lower Upper
 83 100
 131 10.3 5.7 17.0
 85 64.7 33.3 99.8



#72
 1,2,3-Trichloropropane
 Concen: 75.015 ug/l
 RT: 12.53 min Scan# 3355
 Delta R.T. -0.00 min
 Lab File: VN064281.D
 Acq: 23 Oct 2020 10:46

Tgt Ion: 75 Resp: 346974
 Ion Ratio Lower Upper
 75 100
 77 129.8 0.0 365.2





#73

Bromobenzene

Concen: 53.338 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

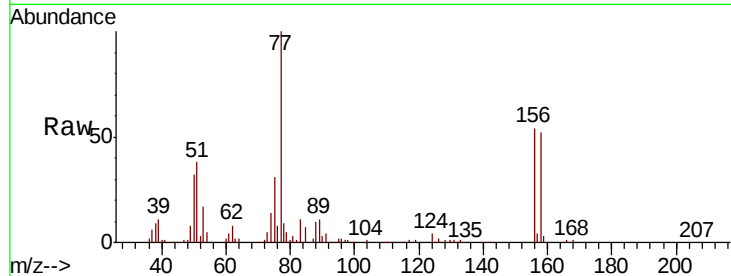
Tot Ion:156 Resp: 204804

Ion Ratio Lower Upper

156 100

77 220.0 0.0 450.2

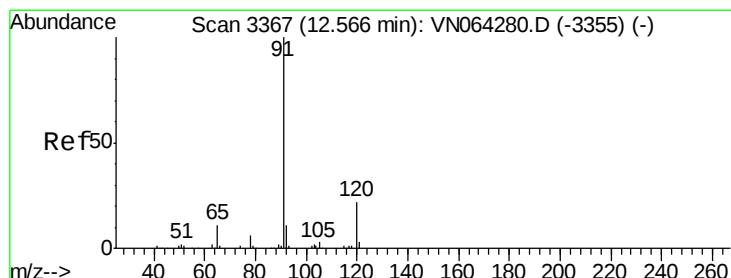
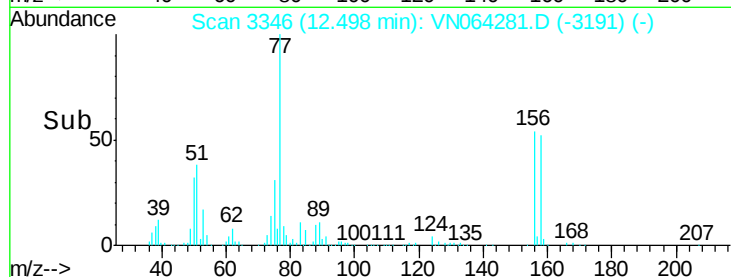
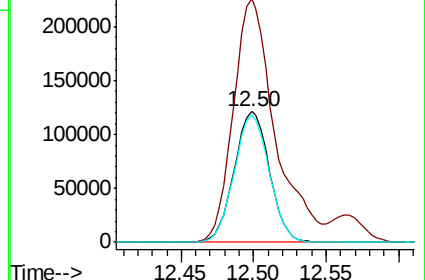
158 97.3 0.0 194.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 52.967 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN064281.D

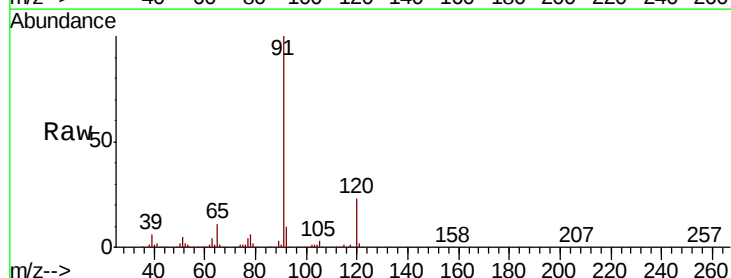
Acq: 23 Oct 2020 10:46

Tgt Ion: 91 Resp: 969553

Ion Ratio Lower Upper

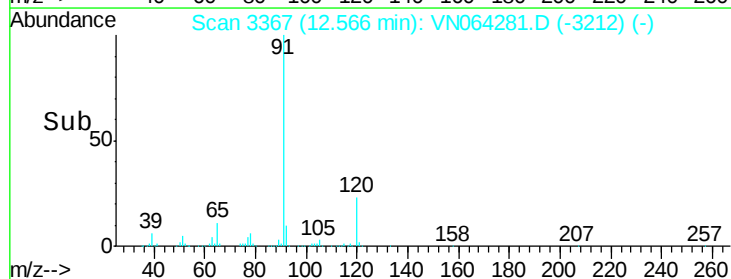
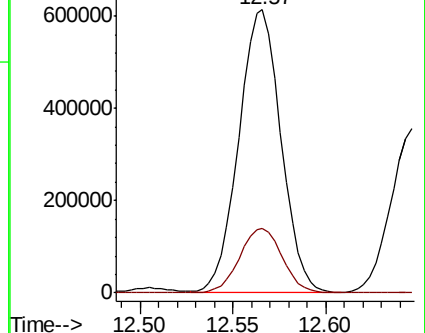
91 100

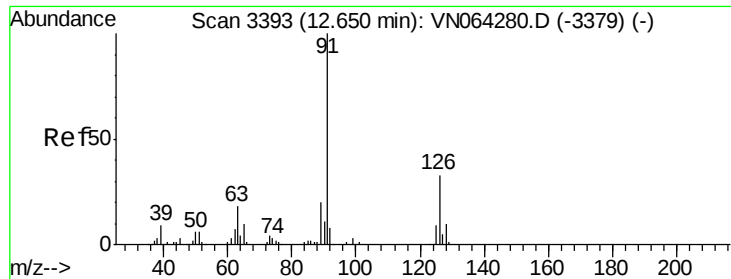
120 23.0 0.0 43.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 52.800 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Instrument :

MSVOA_N

ClientSampleId :

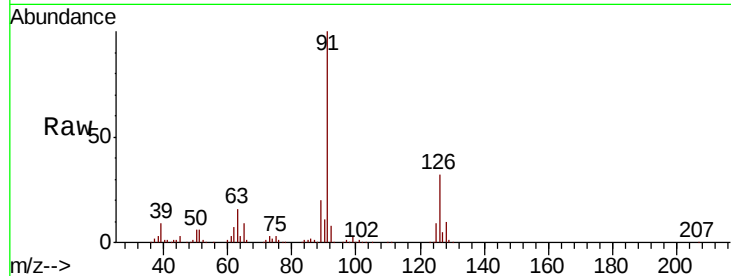
VSTDIC050

Tot Ion: 91 Resp: 596563

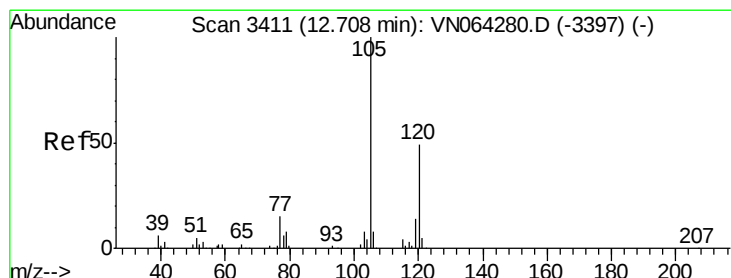
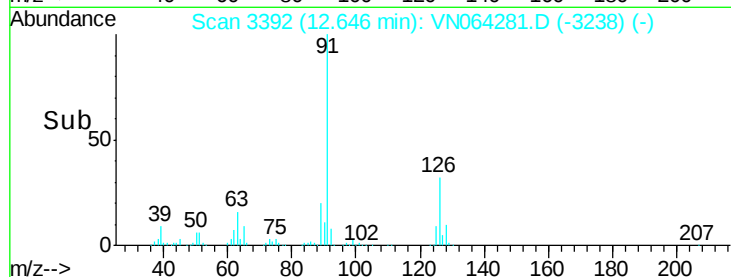
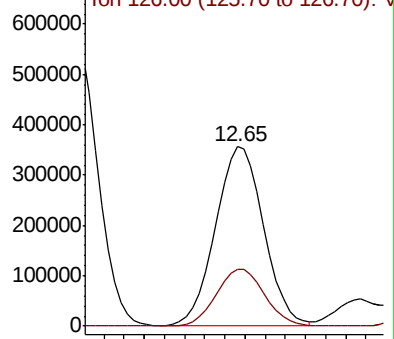
Ion Ratio Lower Upper

91 100

126 32.1 0.0 62.8



Abundance Ion 91.00 (90.70 to 91.70): VN064281.D (-3238) (-)



#76

1,3,5-Trimethylbenzene

Concen: 51.984 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN064281.D

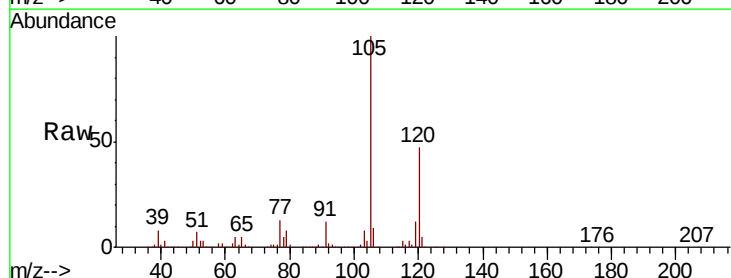
Acq: 23 Oct 2020 10:46

Tgt Ion: 105 Resp: 708223

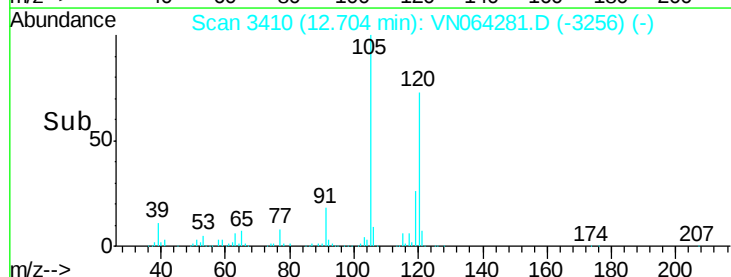
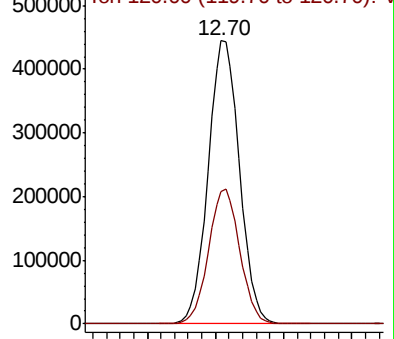
Ion Ratio Lower Upper

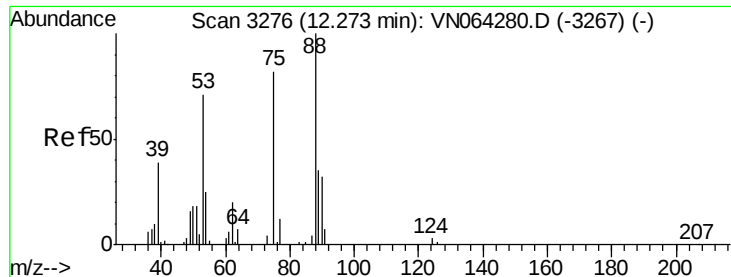
105 100

120 47.5 0.0 92.8



Abundance Ion 105.00 (104.70 to 105.70): VN064281.D (-3256) (-)

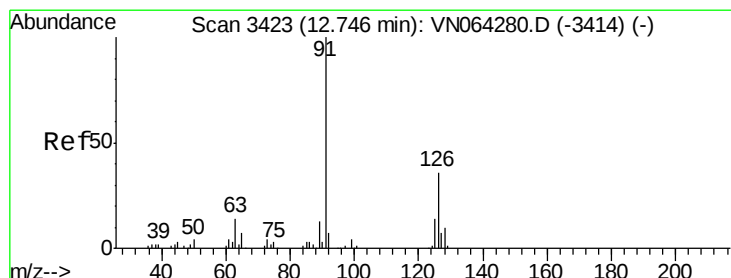
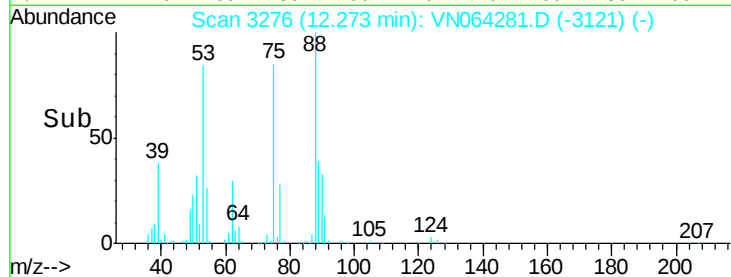
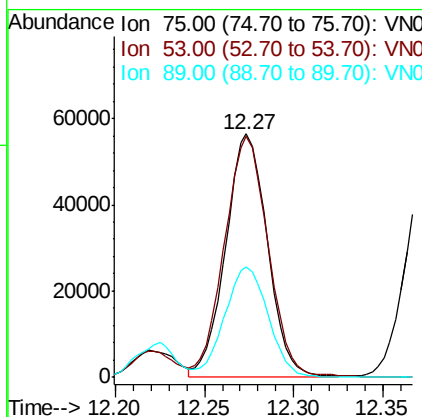
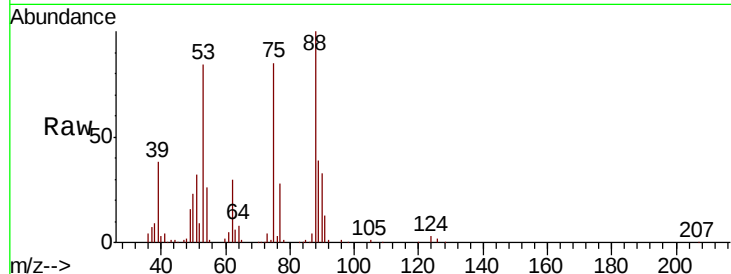




#77
t-1,4-Dichloro-2-butene
Concen: 51.277 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

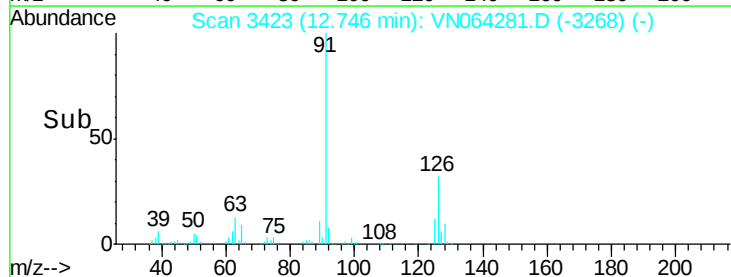
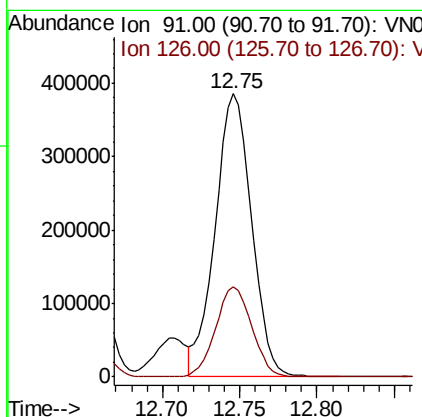
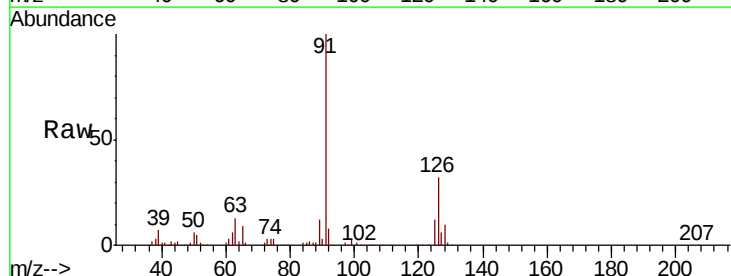
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

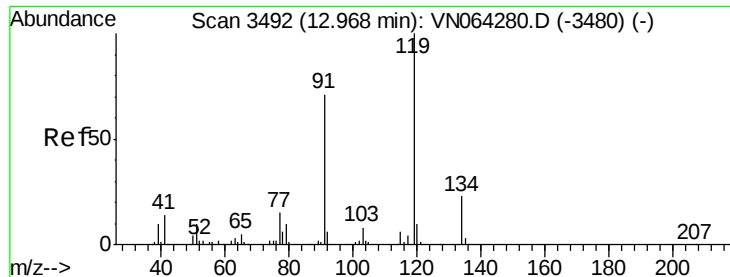
Tot Ion	Ratio	Lower	Upper
75	100		
53	98.7	44.8	134.3
89	45.4	22.2	66.6



#78
4-Chlorotoluene
Concen: 53.041 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	0.0	62.2

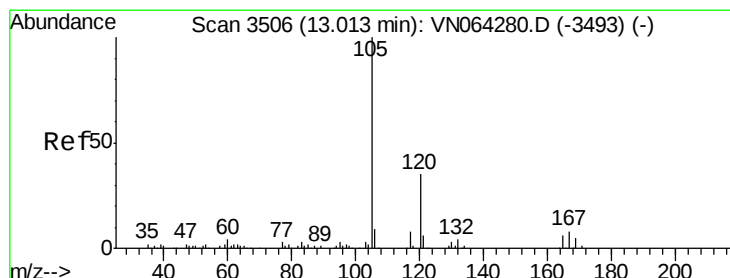
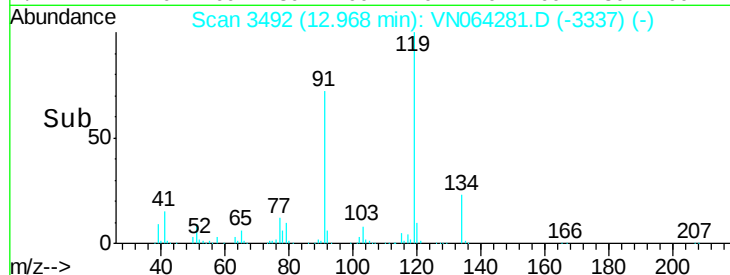
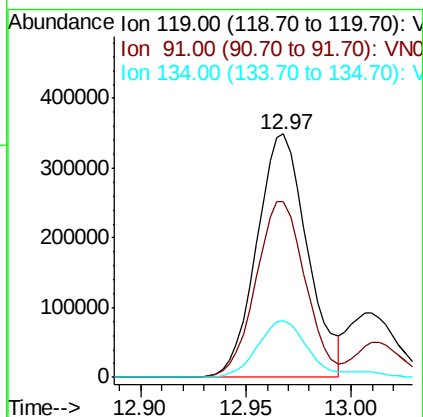
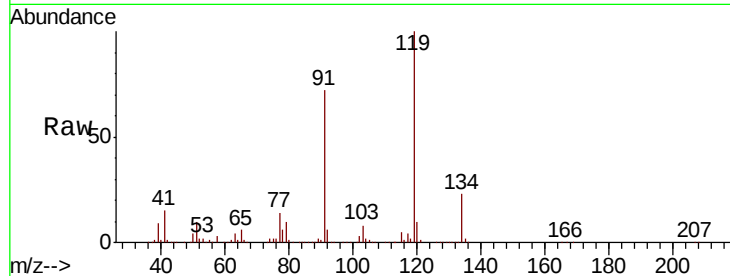




#79
tert-butylbenzene
Concen: 52.306 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

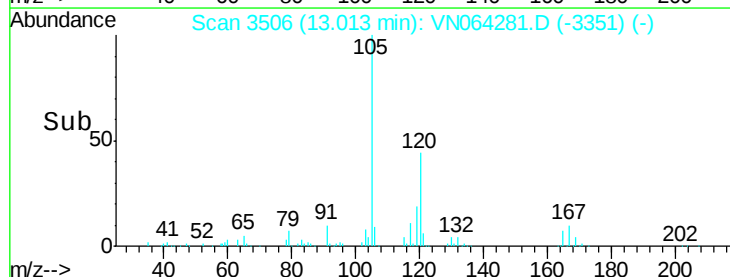
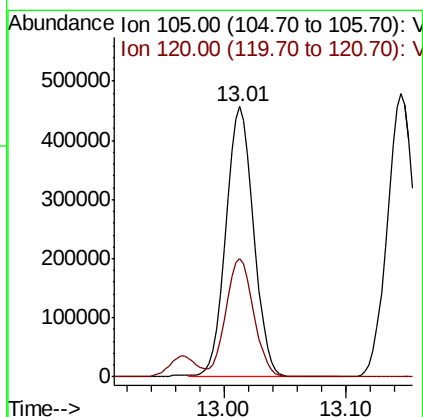
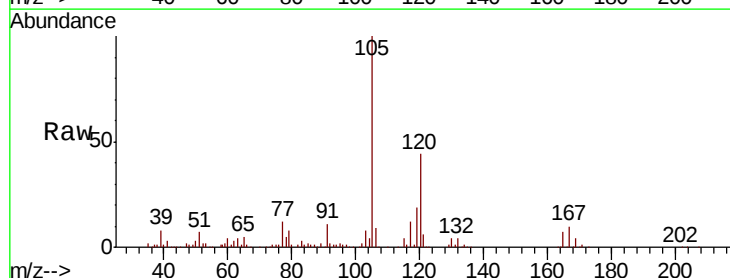
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

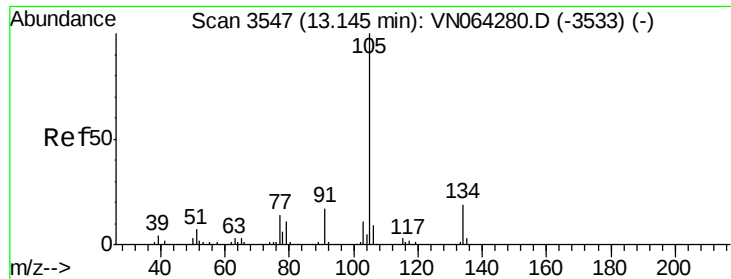
Tot Ion:119 Resp: 583302
Ion Ratio Lower Upper
119 100
91 70.2 0.0 140.0
134 22.8 0.0 45.8



#80
1,2,4-Trimethylbenzene
Concen: 52.955 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Tgt Ion:105 Resp: 728682
Ion Ratio Lower Upper
105 100
120 43.9 0.0 87.4

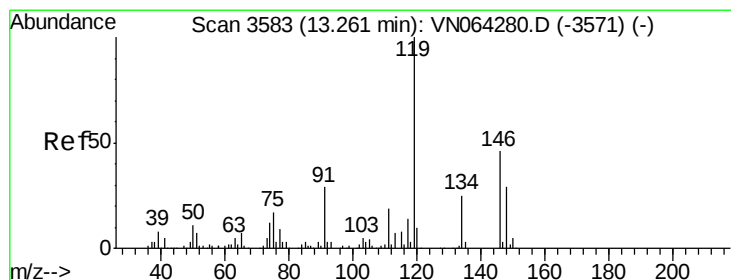
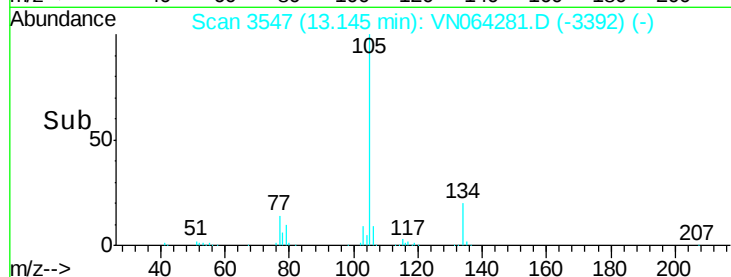
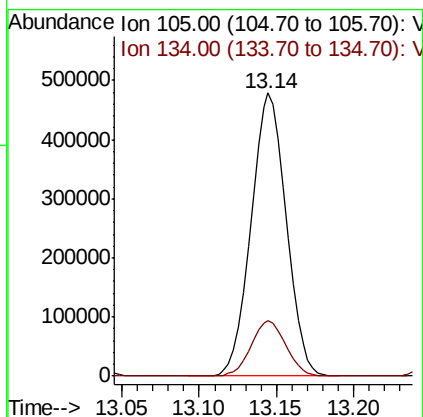
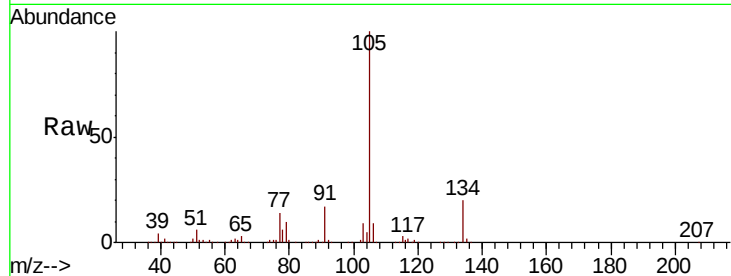




#81
 sec-Butylbenzene
 Concen: 52.509 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064281.D
 Acq: 23 Oct 2020 10:46

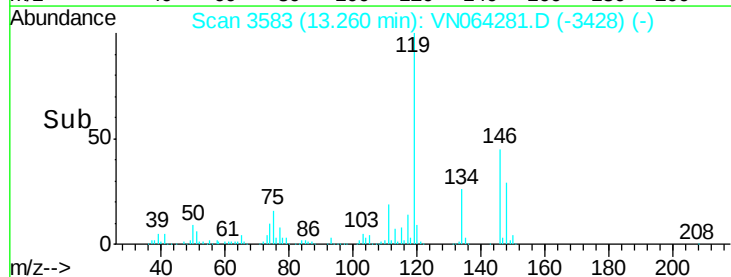
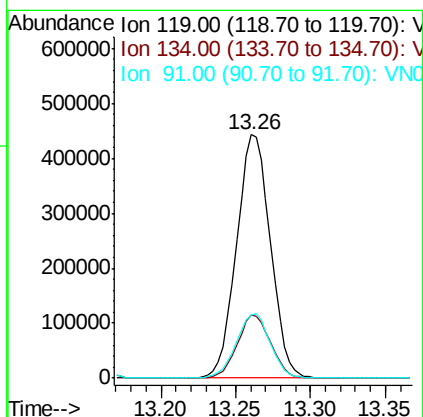
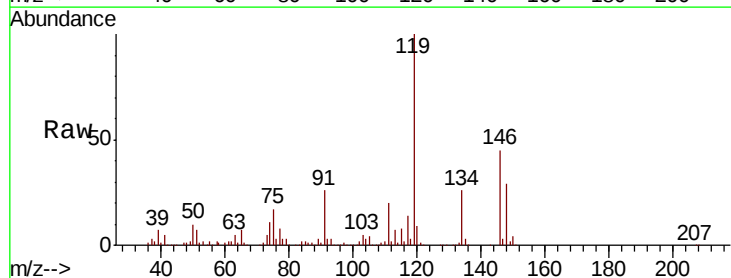
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

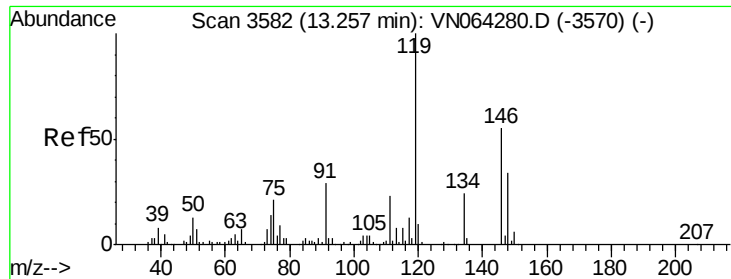
Tot Ion:105 Resp: 756307
 Ion Ratio Lower Upper
 105 100
 134 19.4 0.0 36.8



#82
 p-Isopropyltoluene
 Concen: 52.194 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN064281.D
 Acq: 23 Oct 2020 10:46

Tgt Ion:119 Resp: 697593
 Ion Ratio Lower Upper
 119 100
 134 25.5 0.0 47.8
 91 26.5 0.0 55.8

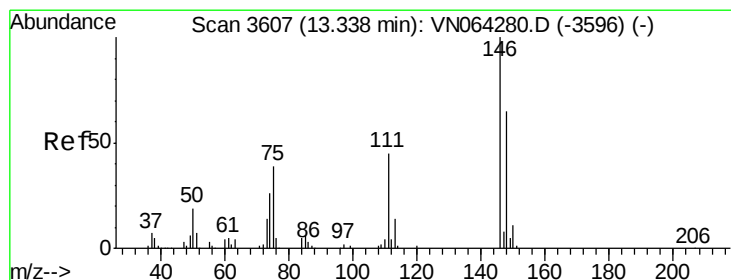
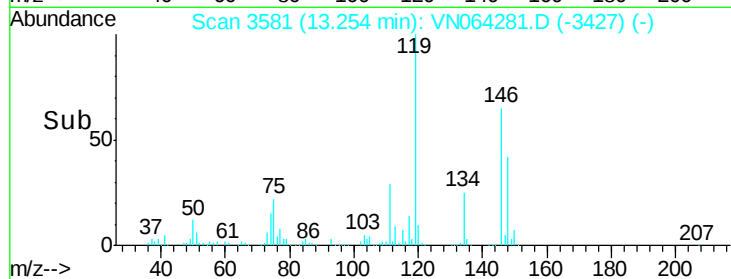
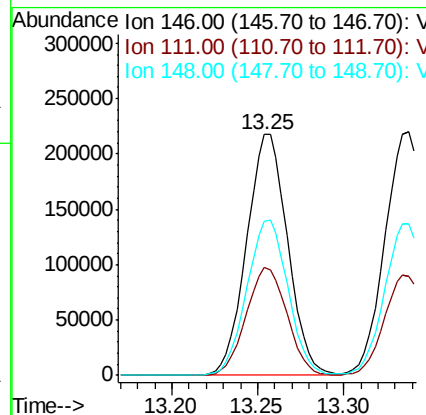
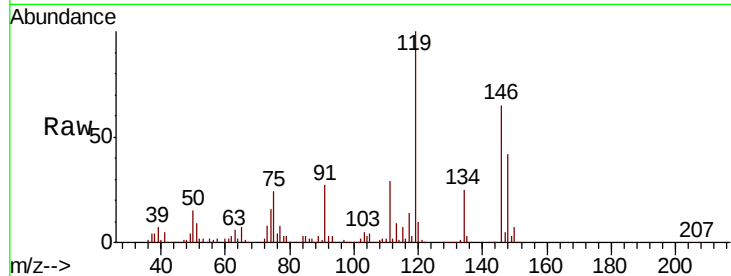




#83
 1,3-Dichlorobenzene
 Concen: 51.970 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064281.D
 Acq: 23 Oct 2020 10:46

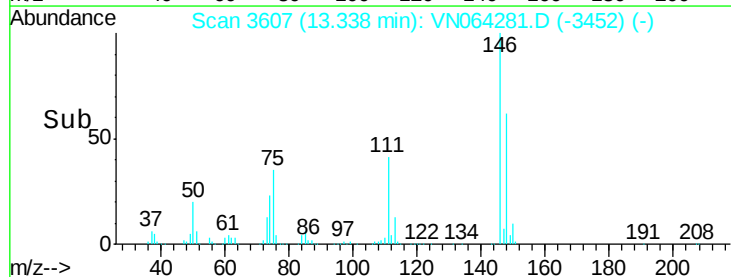
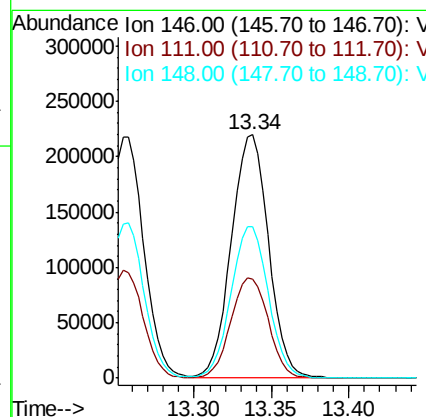
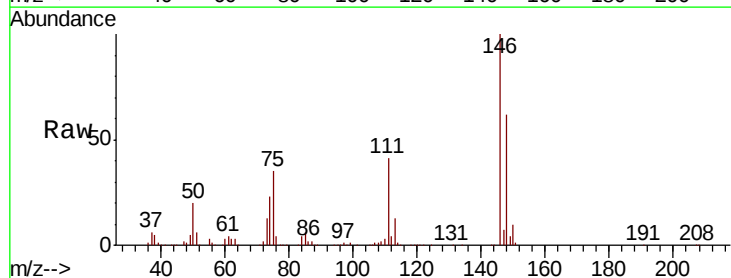
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

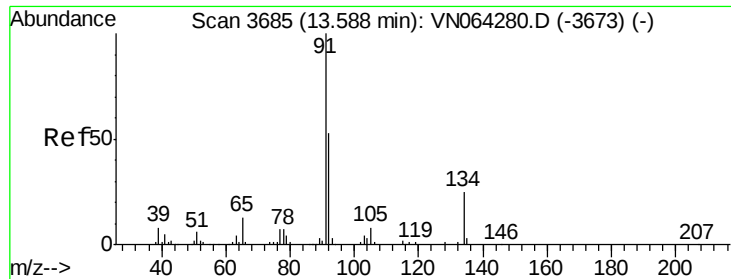
Tot Ion:146 Resp: 360301
 Ion Ratio Lower Upper
 146 100
 111 44.7 22.1 66.5
 148 64.4 31.9 95.5



#84
 1,4-Dichlorobenzene
 Concen: 53.063 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN064281.D
 Acq: 23 Oct 2020 10:46

Tgt Ion:146 Resp: 366026
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.3 61.0
 148 62.9 31.4 94.3

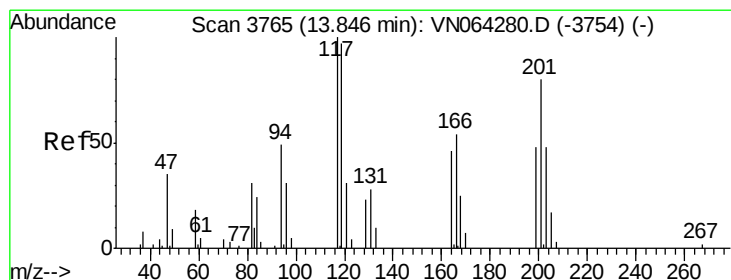
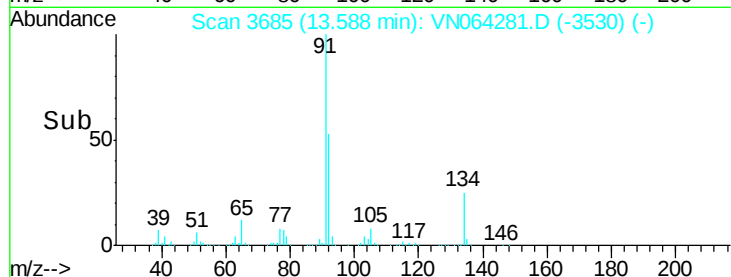
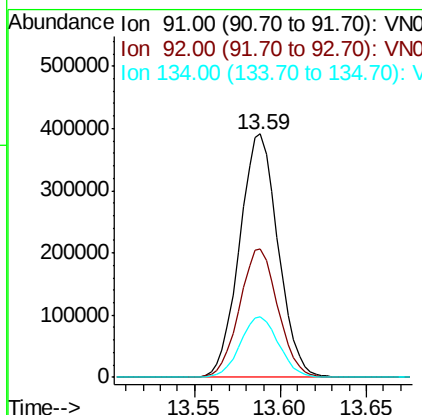
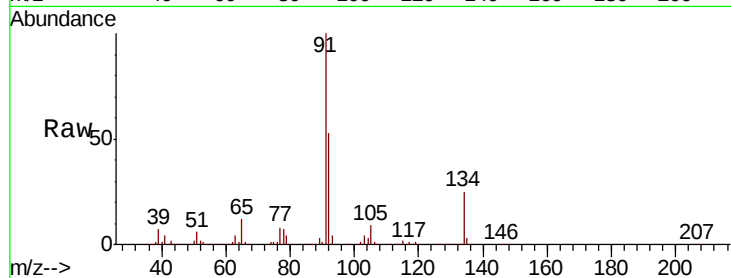




#85
n-Butylbenzene
Concen: 51.453 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

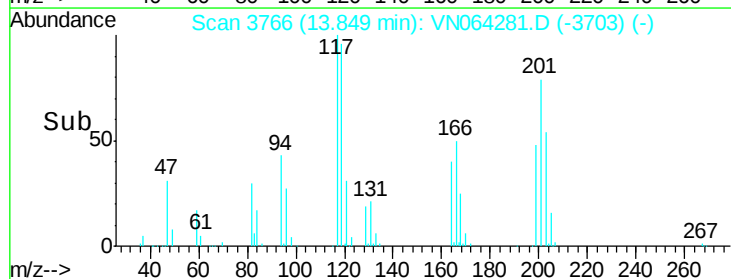
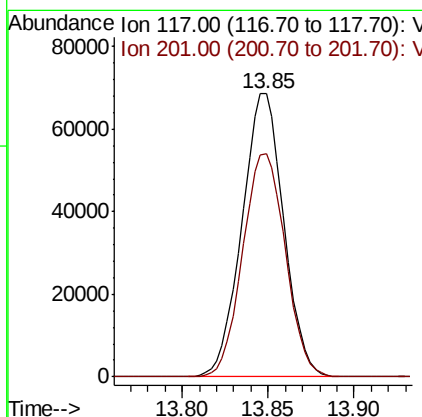
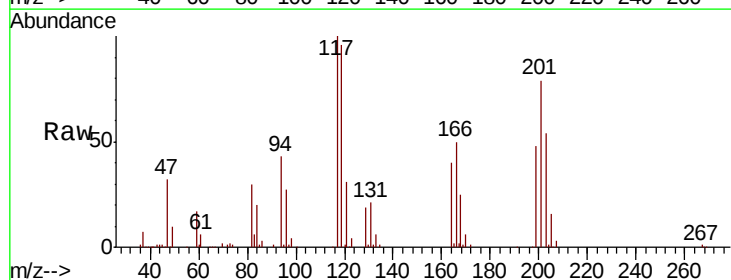
Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

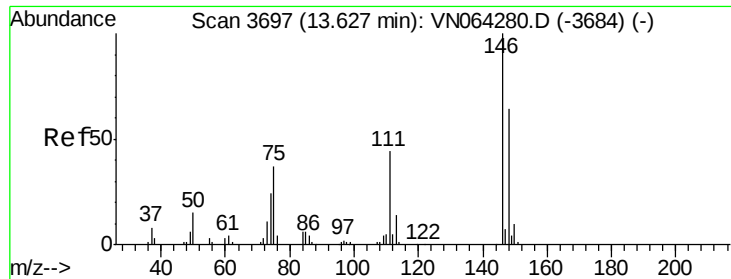
Tot Ion: 91 Resp: 608628
Ion Ratio Lower Upper
91 100
92 52.5 0.0 110.0
134 24.9 0.0 51.6



#86
Hexachloroethane
Concen: 50.468 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064281.D
Acq: 23 Oct 2020 10:46

Tgt Ion: 117 Resp: 115450
Ion Ratio Lower Upper
117 100
201 80.3 37.2 111.6





#87

1,2-Dichlorobenzene

Concen: 52.539 ug/l

RT: 13.62 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

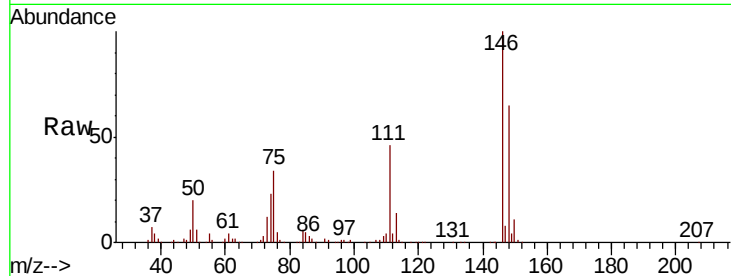
Tot Ion:146 Resp: 355341

Ion Ratio Lower Upper

146 100

111 45.4 23.1 69.3

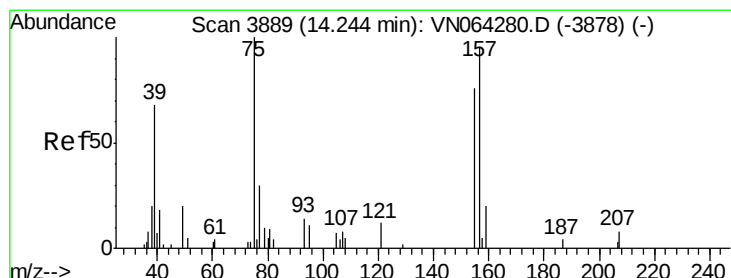
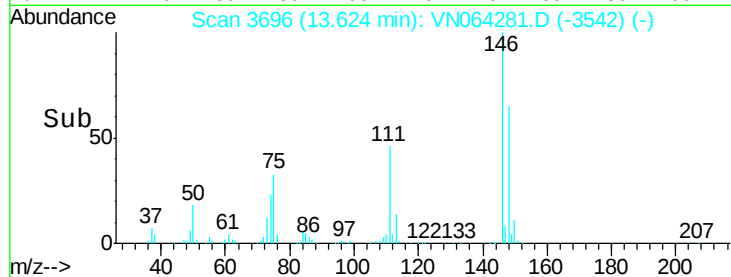
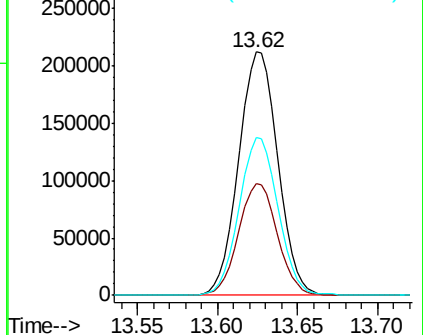
148 64.6 32.3 96.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 49.904 ug/l

RT: 14.24 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

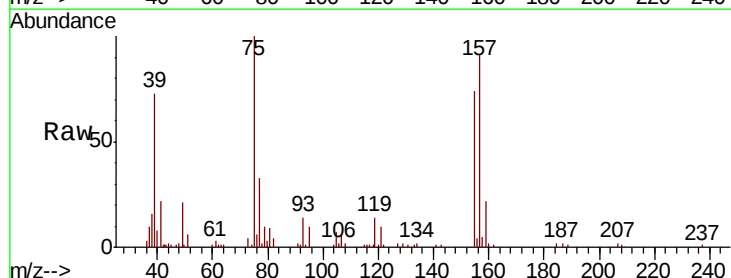
Tgt Ion: 75 Resp: 56061

Ion Ratio Lower Upper

75 100

155 73.1 56.6 84.8

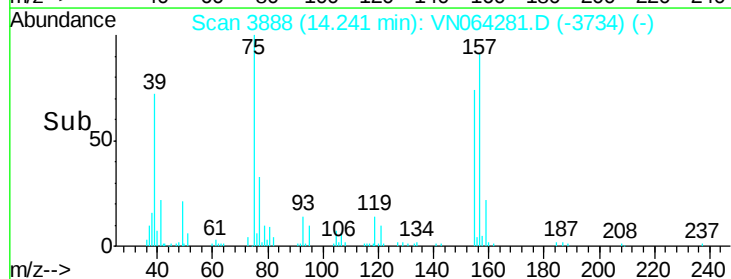
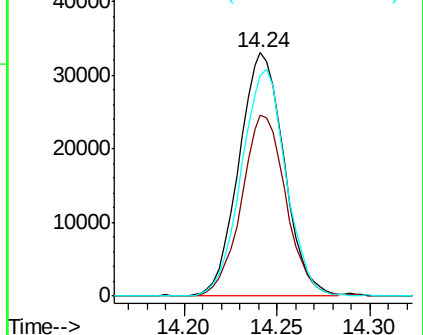
157 91.8 70.1 105.1

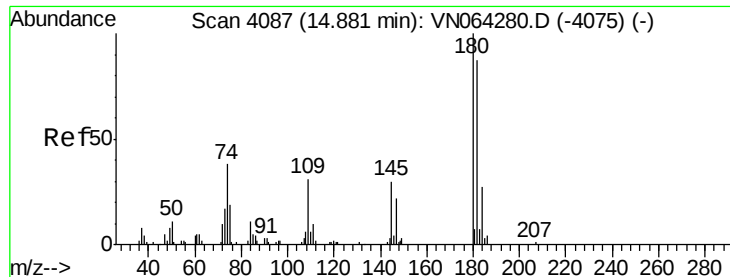


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

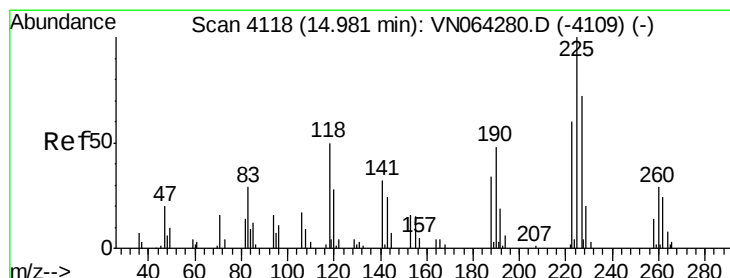
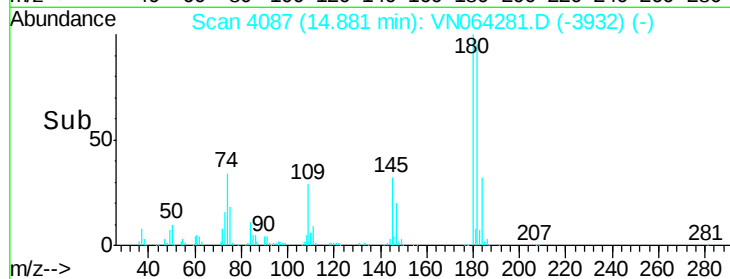
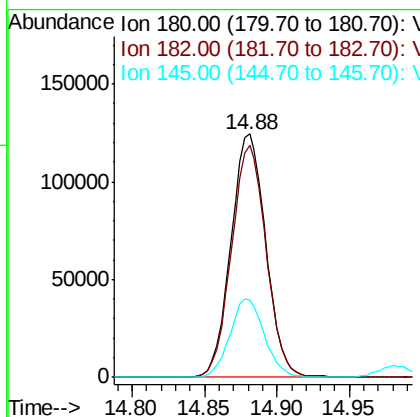
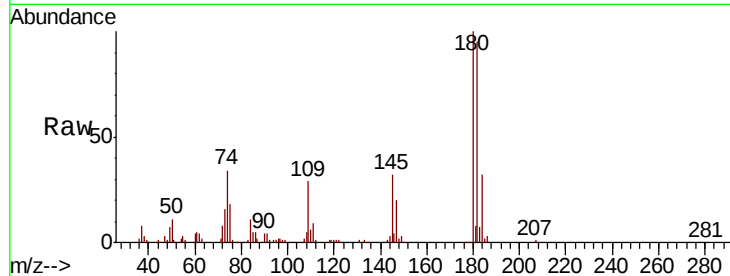




#89
 1,2,4-Trichlorobenzene
 Concen: 52.024 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064281.D
 Acq: 23 Oct 2020 10:46

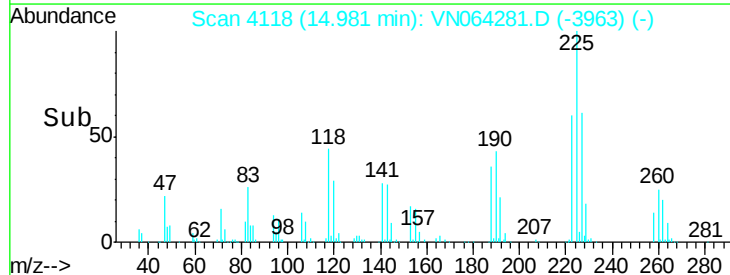
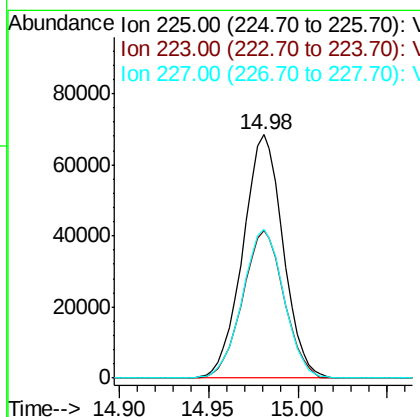
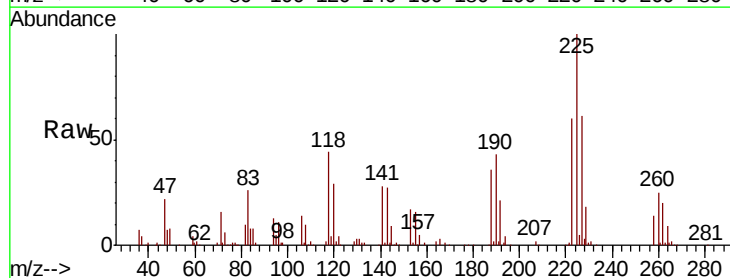
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

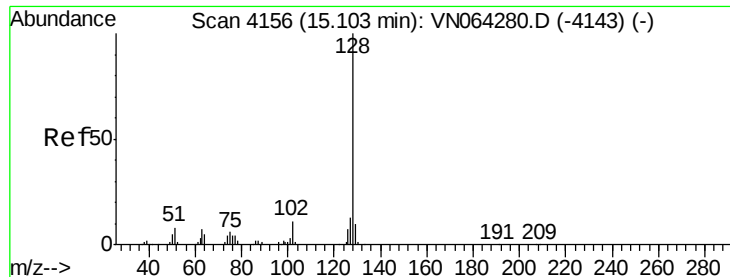
Tot Ion:180 Resp: 207493
 Ion Ratio Lower Upper
 180 100
 182 94.6 71.3 106.9
 145 31.9 23.9 35.9



#90
 Hexachlorobutadiene
 Concen: 52.279 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064281.D
 Acq: 23 Oct 2020 10:46

Tgt Ion:225 Resp: 107923
 Ion Ratio Lower Upper
 225 100
 223 62.0 0.0 129.8
 227 62.8 0.0 128.6





#91

Naphthalene

Concen: 50.650 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

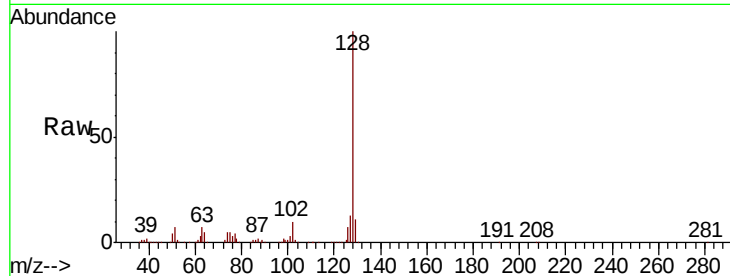
Tot Ion:128 Resp: 613332

Ion Ratio Lower Upper

128 100

127 12.9 9.9 14.9

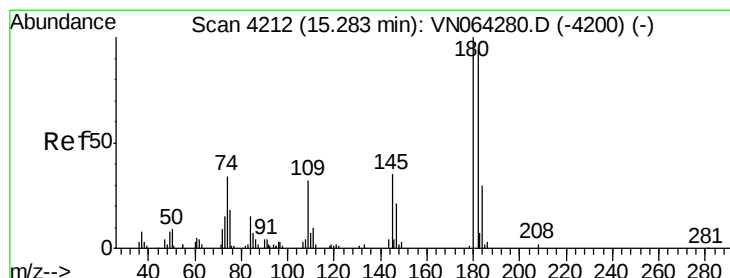
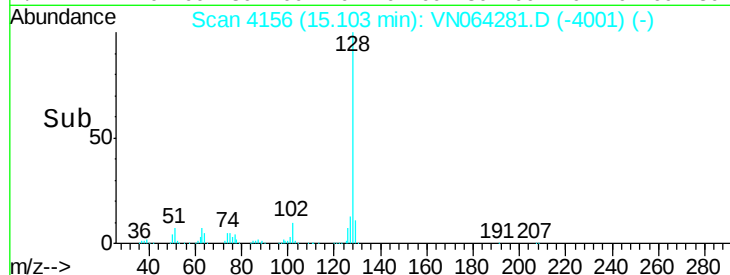
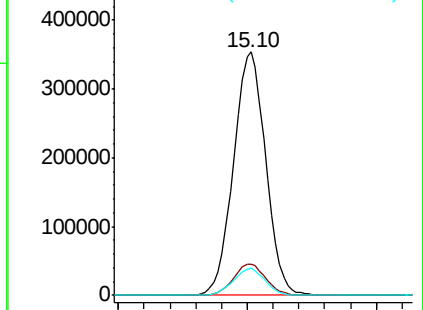
129 11.0 8.3 12.5



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: 51.690 ug/l

RT: 15.28 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN064281.D

Acq: 23 Oct 2020 10:46

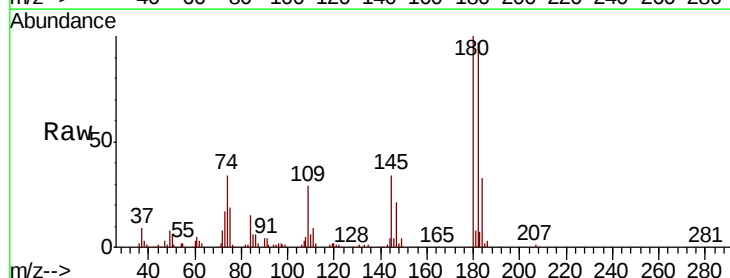
Tgt Ion:180 Resp: 197735

Ion Ratio Lower Upper

180 100

182 93.2 0.0 188.8

145 33.5 0.0 70.0



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

