

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102320\
 Data File : VN064279.D
 Acq On : 23 Oct 2020 9:58
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Oct 23 11:29:05 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	47904	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	274544	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	246767	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	131906	33.04	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	110.13%#
60) 4-Bromofluorobenzene	12.37	95	132791	30.22	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	100.73%
63) Toluene-d8	10.06	98	330516	29.66	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.87%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	12189	3.878 ug/l	94
3) Chloromethane	2.04	50	14496	4.492 ug/l	99
4) Vinyl Chloride	2.16	62	15363	4.848 ug/l	94
5) Bromomethane	2.53	94	11766	6.031 ug/l	95
6) Chloroethane	2.68	64	9406	5.098 ug/l	93
7) Trichlorofluoromethane	2.99	101	27583	5.411 ug/l	93
8) Diethyl Ether	3.37	74	9536	5.528 ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.71	101	7391	2.744 ug/l #	53
10) 1,1-Dichloroethene	3.70	96	12788	4.837 ug/l	88
11) Methyl Iodide	3.91	142	16712	4.424 ug/l	96
12) Methyl Acetate	4.27	43	7615	2.707 ug/l	96
13) Acrolein	3.57	56	6997	22.966 ug/l	93
14) Acrylonitrile	4.93	53	28153	24.910 ug/l #	51
15) Acetone	3.78	58	10292	32.118 ug/l	86
16) Carbon Disulfide	4.01	76	37409	4.983 ug/l #	94
17) Allyl chloride	4.27	41	24917	5.111 ug/l	93
18) Methylene Chloride	4.50	84	9515	3.133 ug/l #	94
19) trans-1,2-Dichloroethene	4.99	96	14816	5.191 ug/l	94
20) Diisopropyl ether	5.89	45	45738	5.023 ug/l	95
21) 1,1-Dichloroethane	5.79	63	27345	4.932 ug/l	96
22) cis-1,2-Dichloroethene	6.78	96	17141	5.149 ug/l #	87
23) tert-Butyl Alcohol	4.71	59	4949	9.379 ug/l #	100
24) Methyl tert-Butyl Ether	4.99	73	46922	5.362 ug/l #	61
25) Chloroform	7.32	83	32645	5.631 ug/l	98
26) Cyclohexane	7.60	56	13340	3.040 ug/l #	42
29) 1,1-Dichloropropene	7.75	75	22499	5.105 ug/l	98
30) 2-Butanone	6.78	43	50185	26.894 ug/l	99
31) 2,2-Dichloropropane	6.77	77	29670	5.271 ug/l #	68
32) 1,1,1-Trichloroethane	7.52	97	29829	5.285 ug/l	96
33) Carbon Tetrachloride	7.72	117	25416	4.971 ug/l	88
34) Benzene	8.00	78	62179	5.058 ug/l #	72
35) Methacrylonitrile	7.12	41	7153	3.604 ug/l	94
36) 1,2-Dichloroethane	8.08	62	28030	5.528 ug/l #	95
37) Trichloroethene	8.80	130	17333	5.128 ug/l	85
38) Methylcyclohexane	9.05	83	21423	5.100 ug/l	94
39) 1,2-Dichloropropane	9.08	63	16499	4.999 ug/l	99
40) Dibromomethane	9.17	93	11768	5.093 ug/l	90

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Quant Time: Oct 23 11:29:05 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)
41) Bromodichloromethane	9.37	83	24886	5.030	ug/l	86
42) Vinyl Acetate	5.84	43	212929	24.539	ug/l #	90
43) Ethyl Acetate	6.88	43	21786	5.495	ug/l #	75
44) Isopropyl Acetate	8.12	43	36698	4.828	ug/l #	62
45) 1,4-Dioxane	9.16	88	4596	102.373	ug/l	97
46) Methyl methacrylate	9.16	41	16050	4.399	ug/l	91
47) n-amyl Acetate	12.05	43	28854	4.278	ug/l	97
48) t-1,3-Dichloropropene	10.35	75	26954	4.819	ug/l	94
49) cis-1,3-Dichloropropene	9.80	75	29539	5.129	ug/l	97
50) 1,1,2-Trichloroethane	10.53	97	15294	4.997	ug/l	96
51) Ethyl methacrylate	10.40	69	22071	4.619	ug/l	90
52) 1,3-Dichloropropane	10.68	76	27077	5.117	ug/l	96
53) Dibromochloromethane	10.87	129	18257	4.805	ug/l	90
54) 1,2-Dibromoethane	10.97	107	16062	4.958	ug/l	96
55) 2-Chloroethyl vinyl ether	9.66	63	64193	29.444	ug/l	98
56) Bromoform	12.10	173	13034	4.898	ug/l	92
58) 4-Methyl-2-Pentanone	9.95	43	97896	24.049	ug/l	98
59) 2-Hexanone	10.72	43	78505	25.962	ug/l	93
61) Tetrachloroethene	10.60	164	17489	5.407	ug/l	91
62) Toluene	10.12	91	68369	5.014	ug/l	98
64) Chlorobenzene	11.40	112	40844	4.820	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	17134	5.130	ug/l	95
66) Ethyl Benzene	11.48	91	78392	5.016	ug/l	96
67) m/p-Xylenes	11.59	106	56860	9.766	ug/l	99
68) o-Xylene	11.92	106	28044	4.966	ug/l	95
69) Styrene	11.94	104	43695	4.588	ug/l	97
70) Isopropylbenzene	12.22	105	73066	4.909	ug/l	95
71) 1,1,2,2-Tetrachloroethane	12.48	83	19470	4.762	ug/l	100
72) 1,2,3-Trichloropropane	12.53	75	28858	6.700	ug/l	68
73) Bromobenzene	12.50	156	17472	4.886	ug/l	98
74) n-propylbenzene	12.57	91	81410	4.776	ug/l	99
75) 2-Chlorotoluene	12.65	91	52639	5.003	ug/l	96
76) 1,3,5-Trimethylbenzene	12.71	105	61423	4.841	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	6988	4.175	ug/l	91
78) 4-Chlorotoluene	12.75	91	50951	4.611	ug/l	98
79) tert-butylbenzene	12.96	119	49509	4.767	ug/l	95
80) 1,2,4-Trimethylbenzene	13.01	105	61534	4.802	ug/l	99
81) sec-Butylbenzene	13.14	105	64589	4.815	ug/l	97
82) p-Isopropyltoluene	13.26	119	57875	4.650	ug/l	98
83) 1,3-Dichlorobenzene	13.26	146	29491	4.568	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	30887	4.808	ug/l	99
85) n-Butylbenzene	13.59	91	51117	4.640	ug/l	91
86) Hexachloroethane	13.85	117	9775	4.589	ug/l	96
87) 1,2-Dichlorobenzene	13.63	146	29089	4.619	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	4282	4.093	ug/l	99
89) 1,2,4-Trichlorobenzene	14.88	180	14791	3.982	ug/l	99
90) Hexachlorobutadiene	14.98	225	10100	5.254	ug/l	98
91) Naphthalene	15.11	128	40529	3.594	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	13856	3.890	ug/l	99

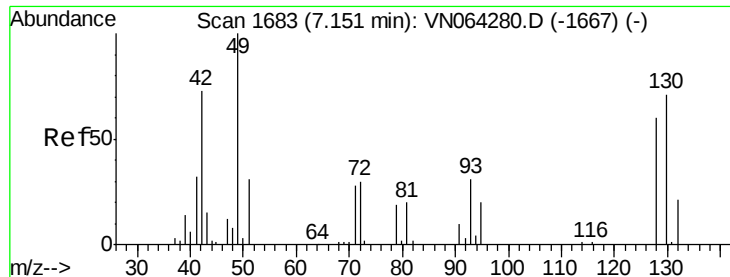
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102320\
Data File : VN064279.D
Acq On : 23 Oct 2020 9:58
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Oct 23 11:29:05 2020
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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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

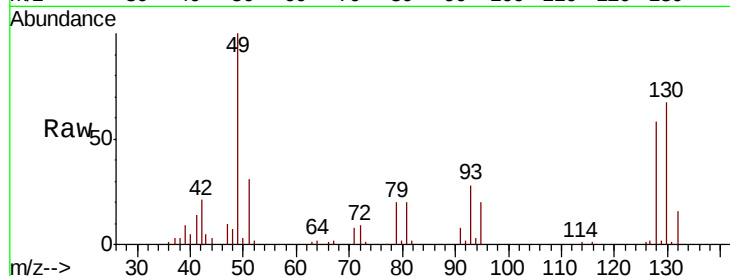
Tot Ion:128 Resp: 47904

Ion Ratio Lower Upper

128 100

49 183.1 0.0 445.0

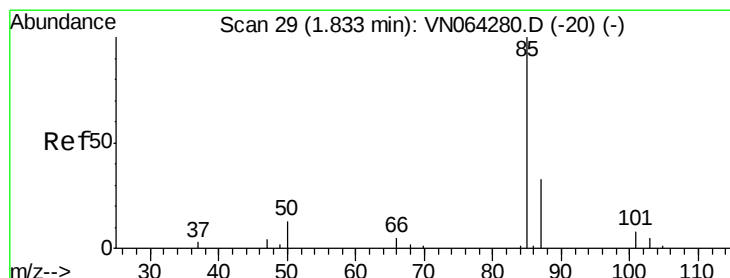
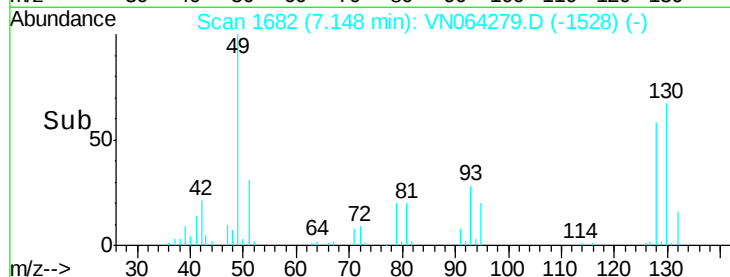
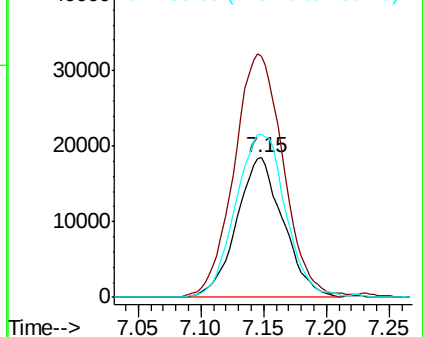
130 124.7 0.0 320.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 3.878 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064279.D

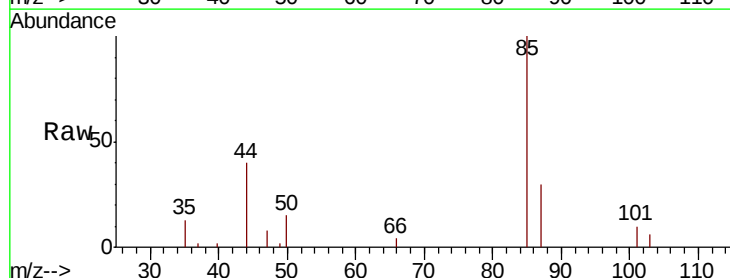
Acq: 23 Oct 2020 9:58

Tgt Ion: 85 Resp: 12189

Ion Ratio Lower Upper

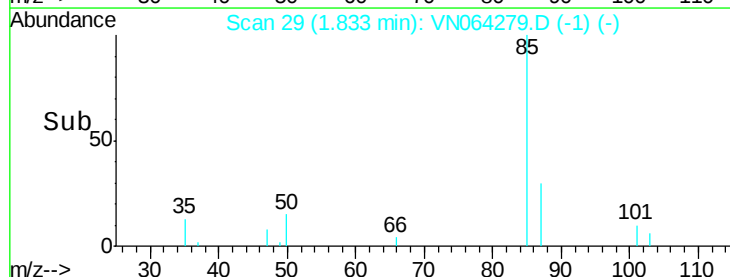
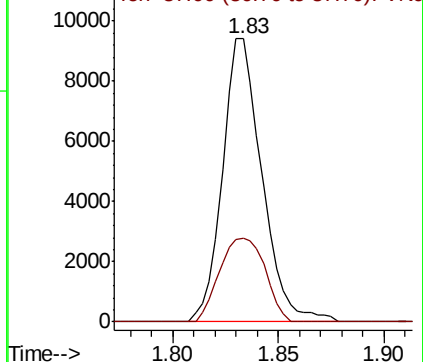
85 100

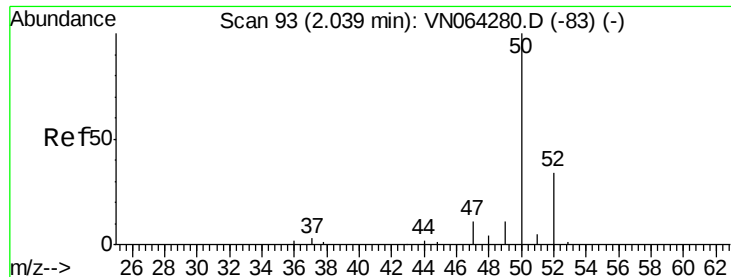
87 29.7 16.4 49.2



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 4.492 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

Instrument :

MSVOA_N

ClientSampleId :

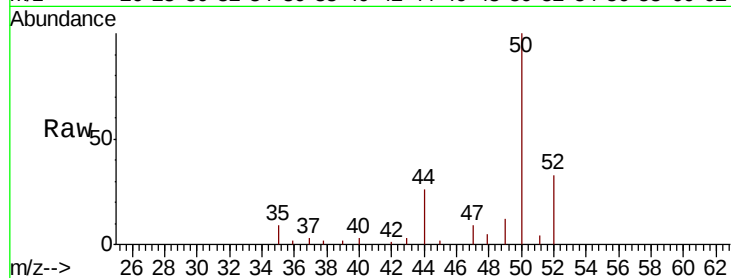
VSTDIC005

Tot Ion: 50 Resp: 14496

Ion Ratio Lower Upper

50 100

52 33.4 27.1 40.7



Abundance Ion 50.00 (49.70 to 50.70): VN064280.D (-83) (-)

Ion 52.00 (51.70 to 52.70): VN064280.D (-83) (-)

2.04

12000

10000

8000

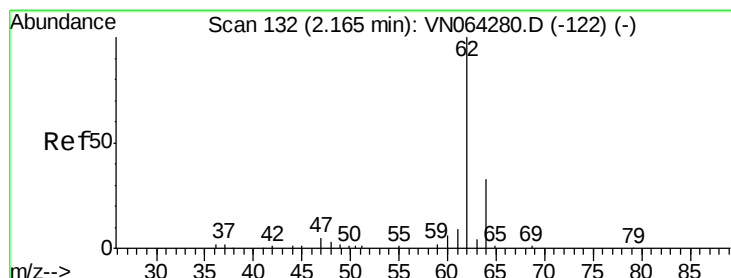
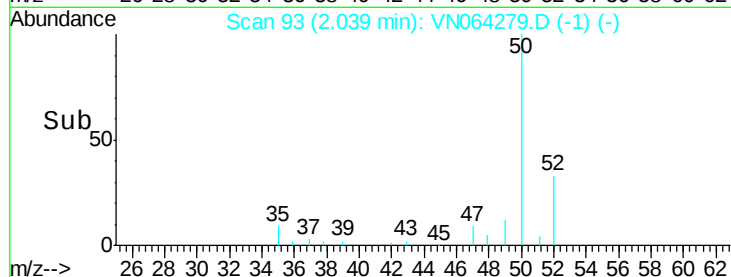
6000

4000

2000

0

Time-->



#4

Vinyl Chloride

Concen: 4.848 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064279.D

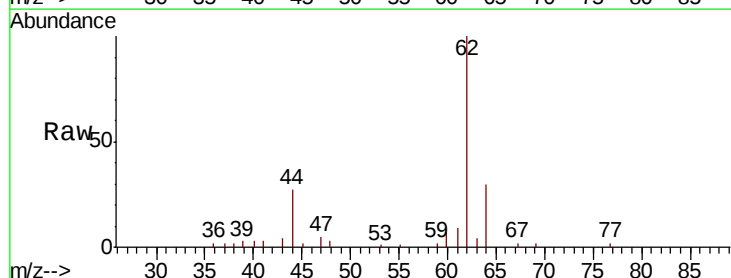
Acq: 23 Oct 2020 9:58

Tgt Ion: 62 Resp: 15363

Ion Ratio Lower Upper

62 100

64 29.5 26.6 39.8



Abundance Ion 62.00 (61.70 to 62.70): VN064280.D (-122) (-)

Ion 64.00 (63.70 to 64.70): VN064280.D (-122) (-)

2.16

12000

10000

8000

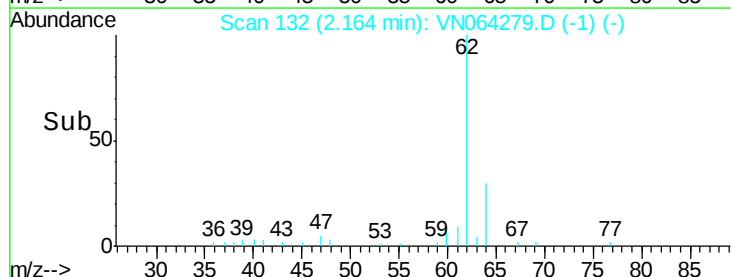
6000

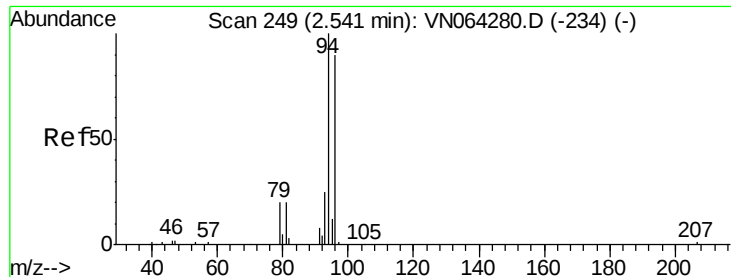
4000

2000

0

Time-->





#5

Bromomethane

Concen: 6.031 ug/l

RT: 2.53 min Scan# 246

Delta R.T. -0.01 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

Instrument :

MSVOA_N

ClientSampleId :

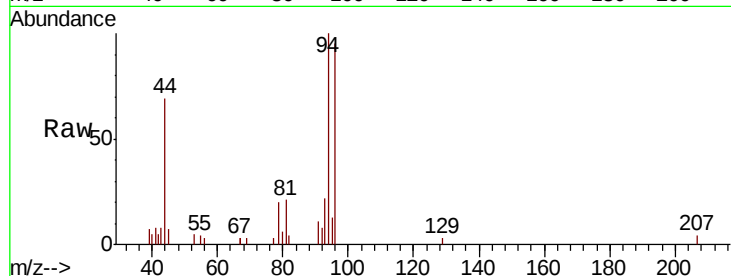
VSTDIC005

Tot Ion: 94 Resp: 11766

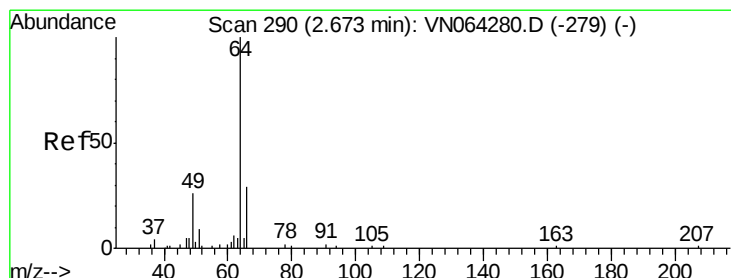
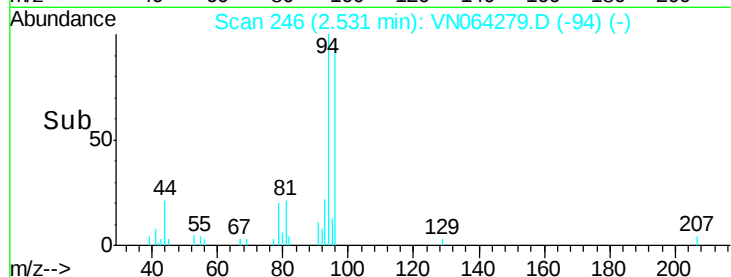
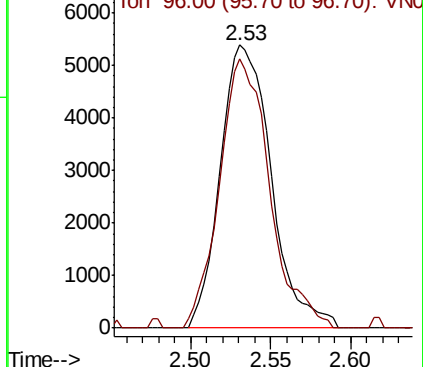
Ion Ratio Lower Upper

94 100

96 95.3 72.4 108.6



Abundance Ion 94.00 (93.70 to 94.70): VN064279.D (-94) (-)



#6

Chloroethane

Concen: 5.098 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN064279.D

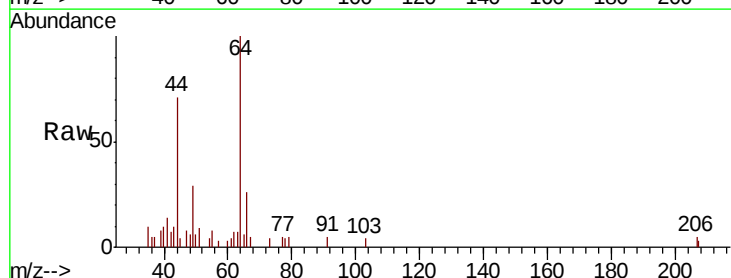
Acq: 23 Oct 2020 9:58

Tgt Ion: 64 Resp: 9406

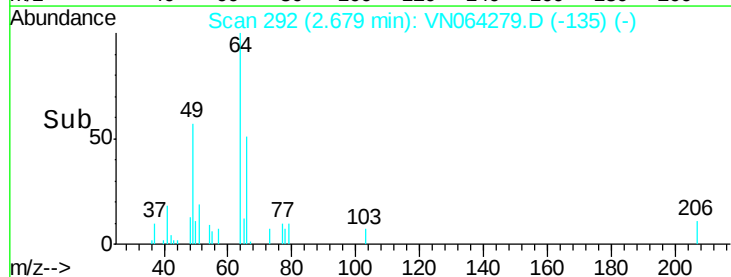
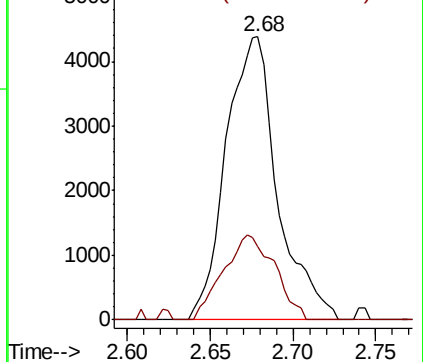
Ion Ratio Lower Upper

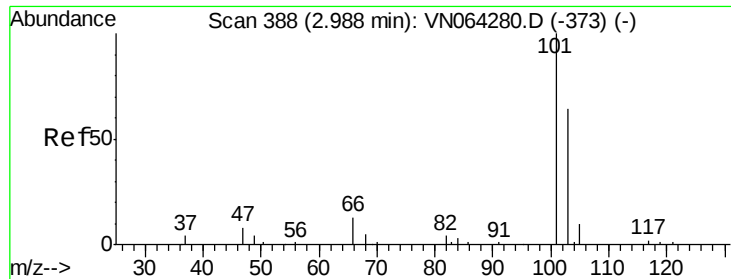
64 100

66 25.8 23.4 35.2



Abundance Ion 64.00 (63.70 to 64.70): VN064279.D (-135) (-)





#7

Trichlorofluoromethane

Concen: 5.411 ug/l

RT: 2.99 min Scan# 388

Delta R.T. -0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

Instrument :

MSVOA_N

ClientSampleId :

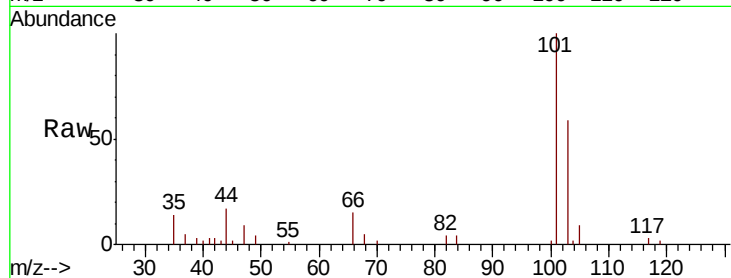
VSTDIC005

Tot Ion:101 Resp: 27583

Ion Ratio Lower Upper

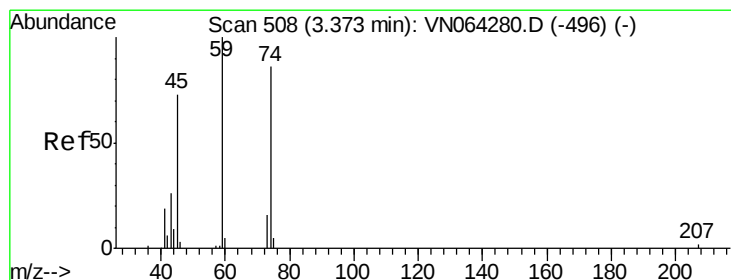
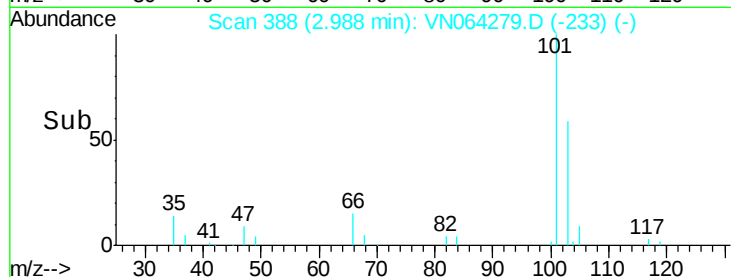
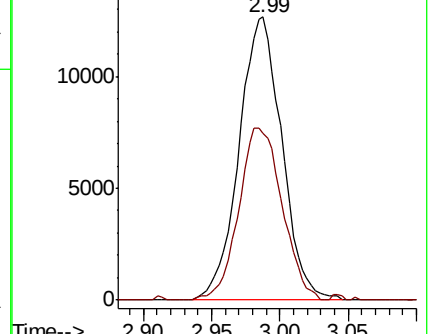
101 100

103 59.0 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 5.528 ug/l

RT: 3.37 min Scan# 508

Delta R.T. -0.00 min

Lab File: VN064279.D

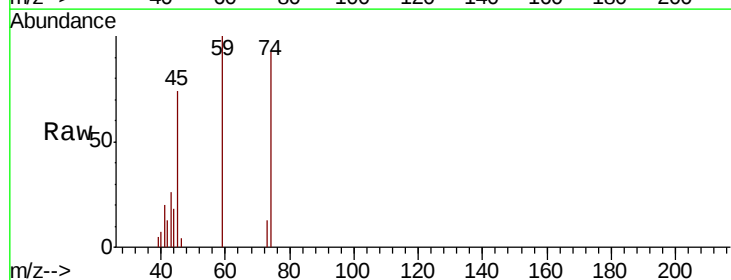
Acq: 23 Oct 2020 9:58

Tgt Ion: 74 Resp: 9536

Ion Ratio Lower Upper

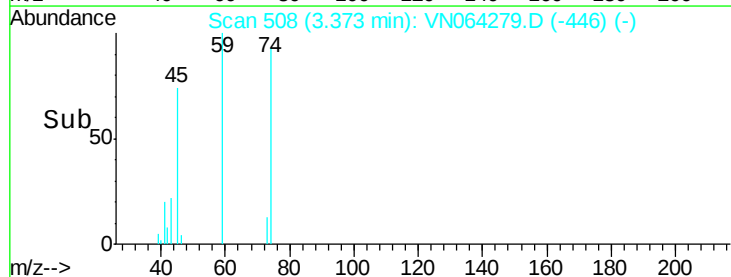
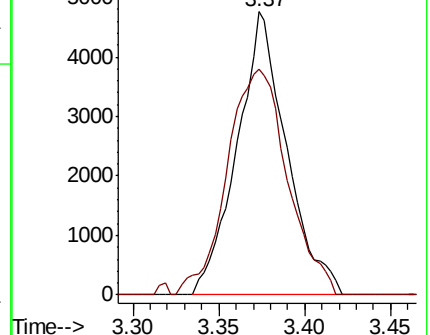
74 100

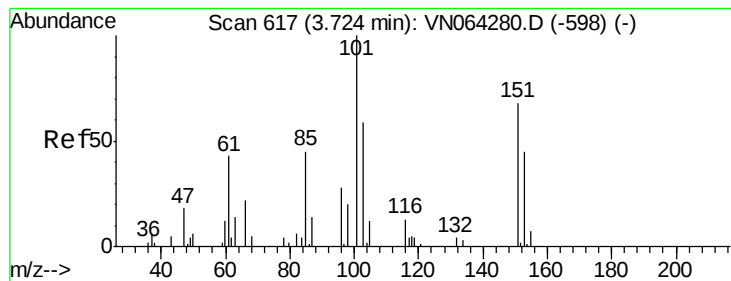
45 97.1 21.3 191.3



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.744 ug/l

RT: 3.71 min Scan# 614

Delta R.T. -0.01 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

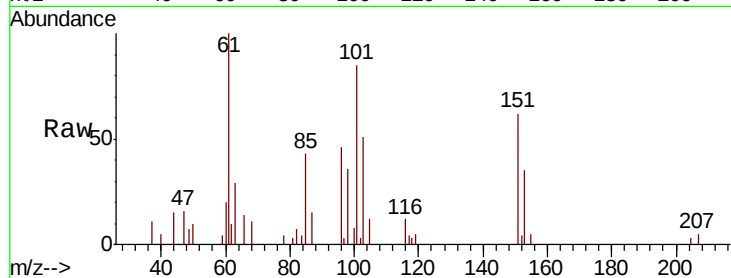
Tot Ion:101 Resp: 7391

Ion Ratio Lower Upper

101 100

85 90.4 0.0 47.4#

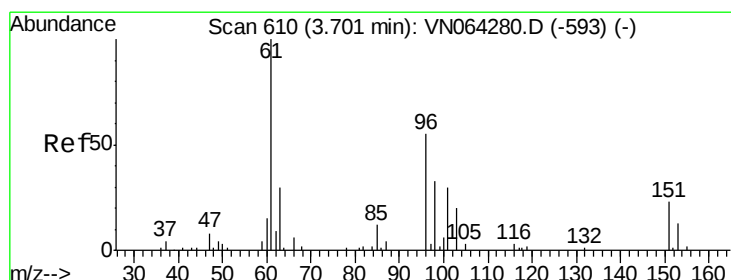
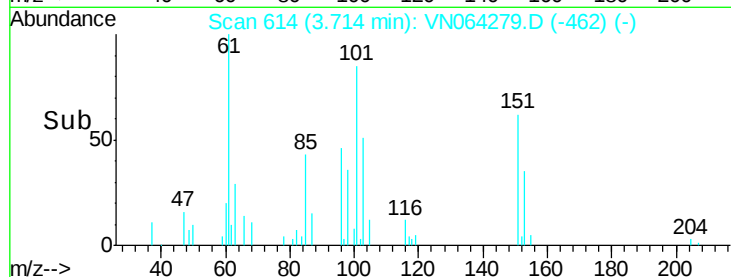
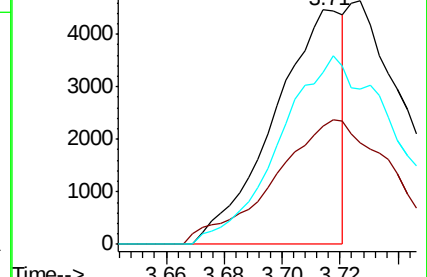
151 90.0 0.0 148.4



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: 4.837 ug/l

RT: 3.70 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

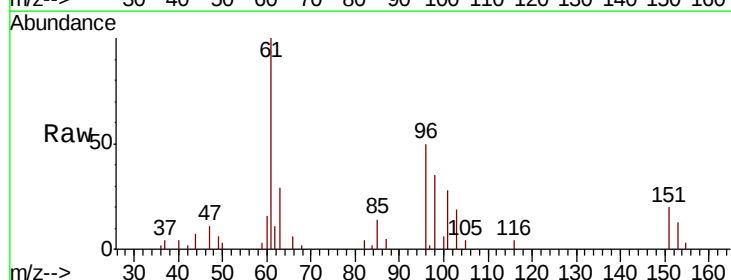
Tgt Ion: 96 Resp: 12788

Ion Ratio Lower Upper

96 100

61 194.9 144.2 216.4

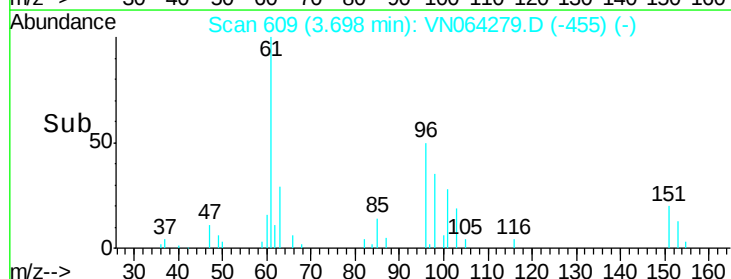
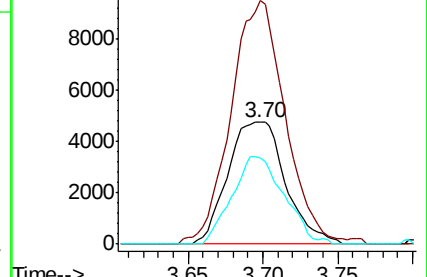
98 70.7 47.4 71.0

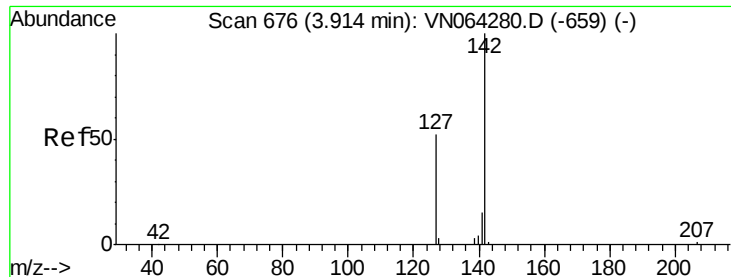


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

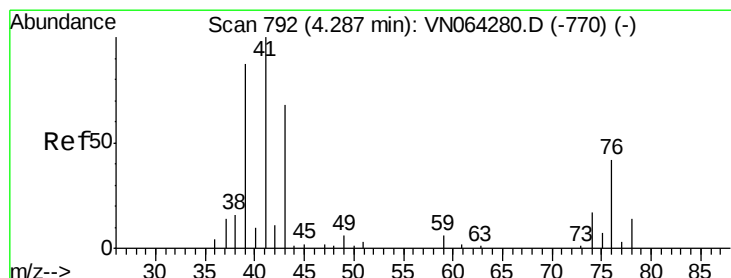
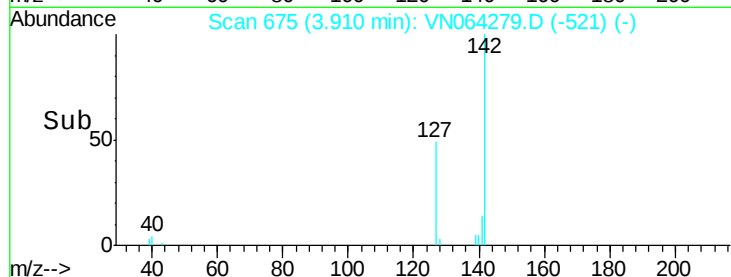
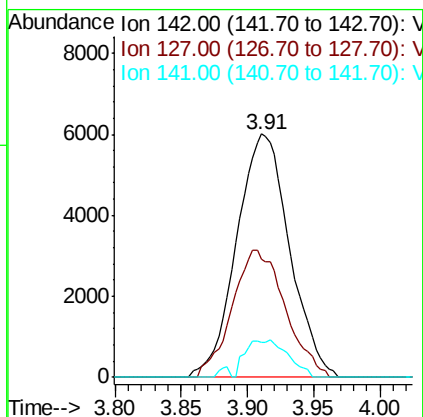
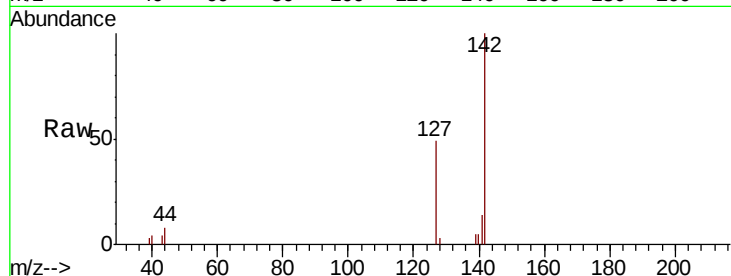




#11
Methyl Iodide
Concen: 4.424 ug/l
RT: 3.91 min Scan# 675
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

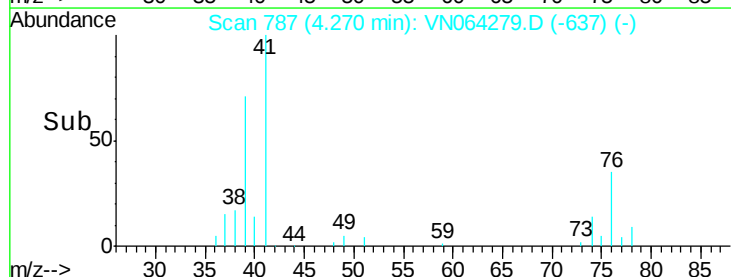
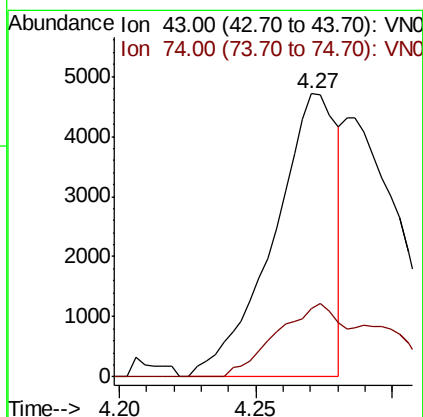
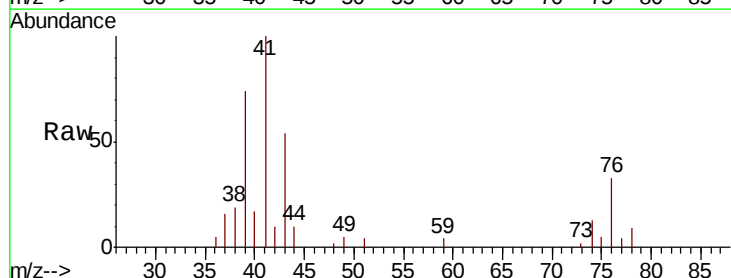
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

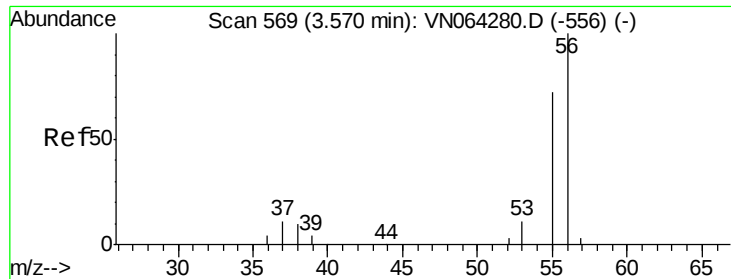
Tot Ion:142 Resp: 16712
Ion Ratio Lower Upper
142 100
127 48.7 25.9 77.8
141 14.4 7.5 22.6



#12
Methyl Acetate
Concen: 2.707 ug/l
RT: 4.27 min Scan# 787
Delta R.T. -0.02 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Tgt Ion: 43 Resp: 7615
Ion Ratio Lower Upper
43 100
74 25.6 19.0 28.6





#13

Acrolein

Concen: 22.966 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

Instrument :

MSVOA_N

ClientSampleId :

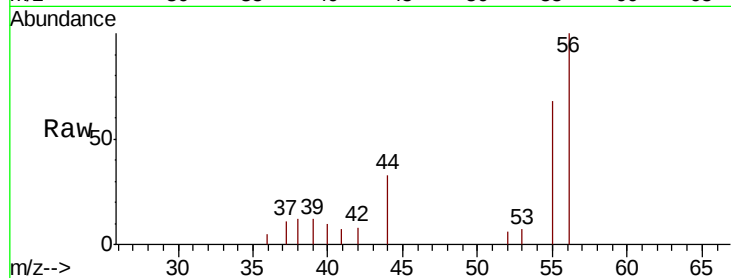
VSTDIC005

Tot Ion: 56 Resp: 6997

Ion Ratio Lower Upper

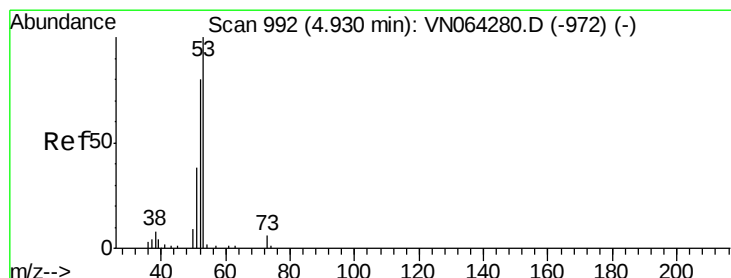
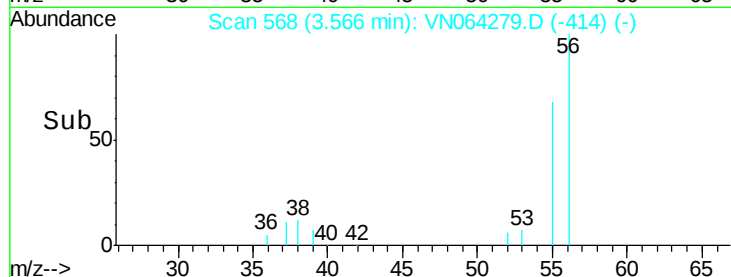
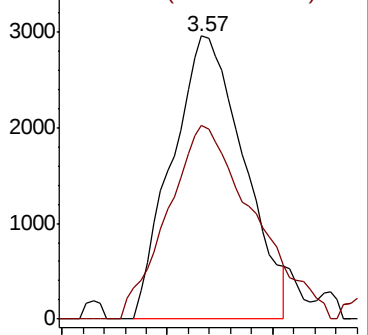
56 100

55 82.2 61.0 91.6



Abundance Ion 56.00 (55.70 to 56.70): VN064280.D (-556) (-)

Ion 55.00 (54.70 to 55.70): VN064280.D (-556) (-)



#14

Acrylonitrile

Concen: 24.910 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

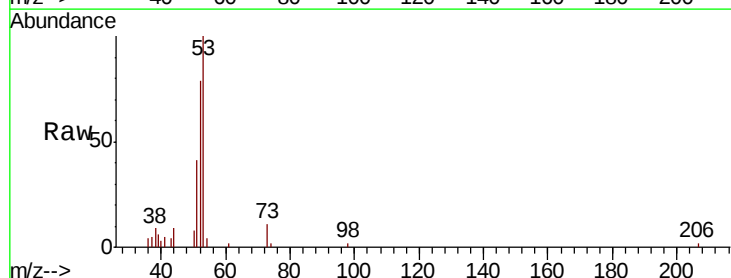
Tgt Ion: 53 Resp: 28153

Ion Ratio Lower Upper

53 100

52 36.0 41.7 125.1#

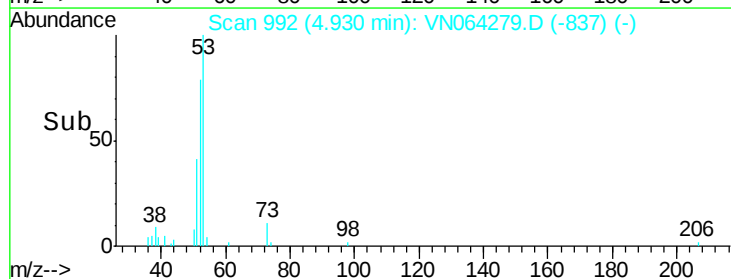
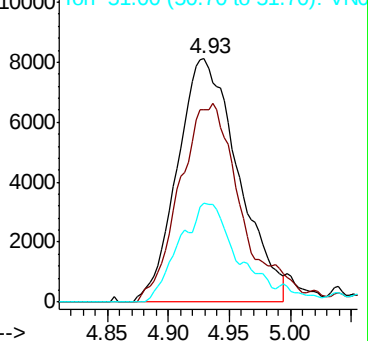
51 13.1 18.9 56.7#

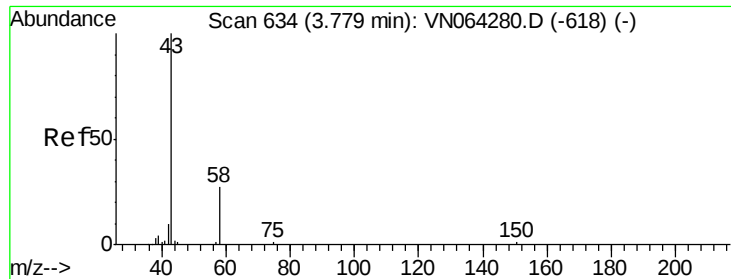


Abundance Ion 53.00 (52.70 to 53.70): VN064280.D (-972) (-)

Ion 52.00 (51.70 to 52.70): VN064280.D (-972) (-)

Ion 51.00 (50.70 to 51.70): VN064280.D (-972) (-)





#15

Acetone

Concen: 32.118 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

Instrument :

MSVOA_N

ClientSampleId :

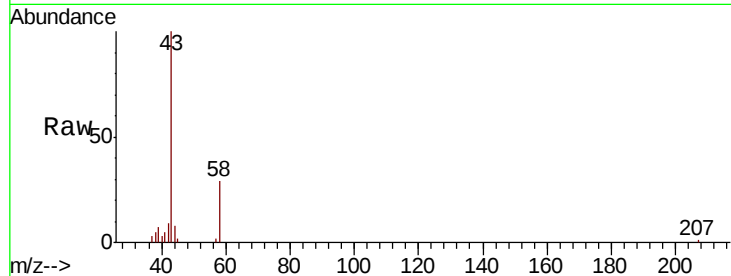
VSTDIC005

Tot Ion: 58 Resp: 10292

Ion Ratio Lower Upper

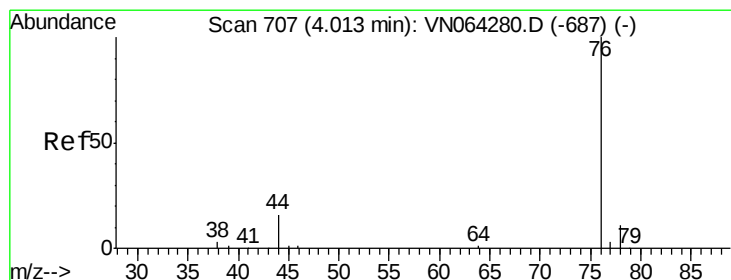
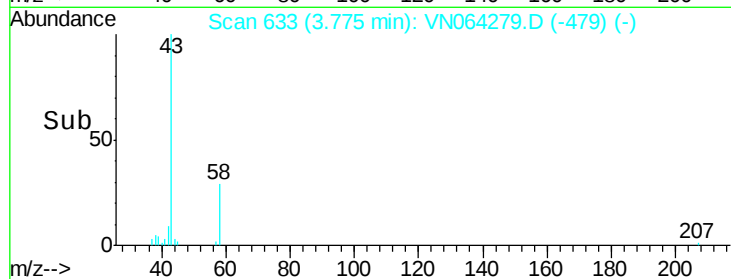
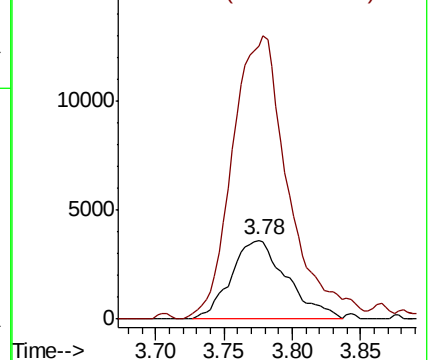
58 100

43 339.7 297.4 446.0



Abundance Ion 58.00 (57.70 to 58.70): VN064280.D (-618) (-)

Ion 43.00 (42.70 to 43.70): VN064280.D (-618) (-)



#16

Carbon Disulfide

Concen: 4.983 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN064279.D

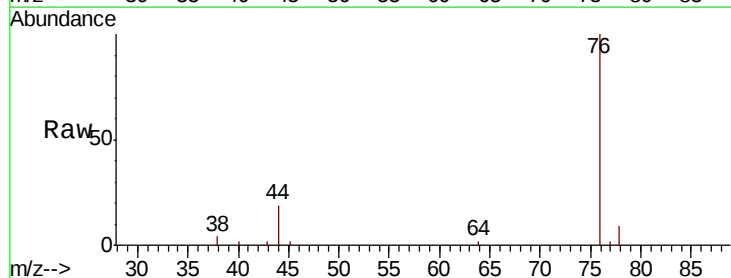
Acq: 23 Oct 2020 9:58

Tgt Ion: 76 Resp: 37409

Ion Ratio Lower Upper

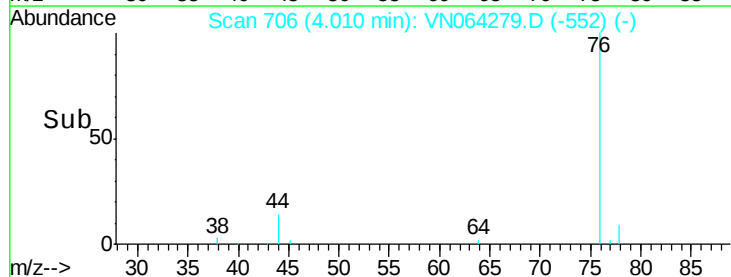
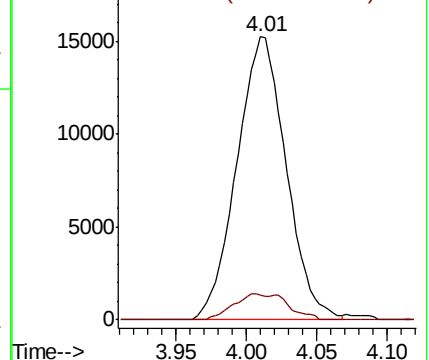
76 100

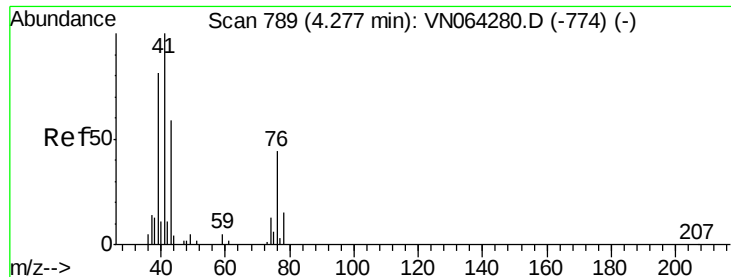
78 8.8 9.0 13.4#



Abundance Ion 76.00 (75.70 to 76.70): VN064280.D (-687) (-)

Ion 78.00 (77.70 to 78.70): VN064280.D (-687) (-)

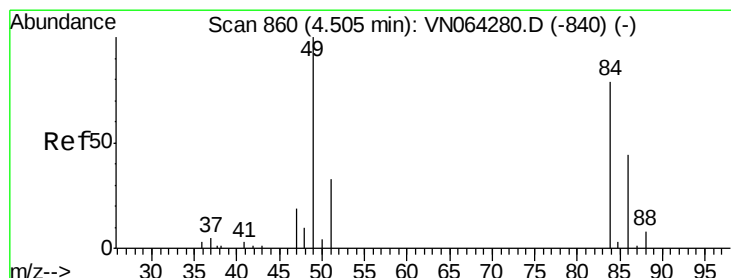
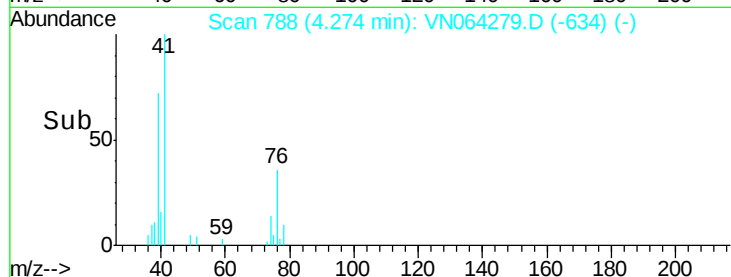
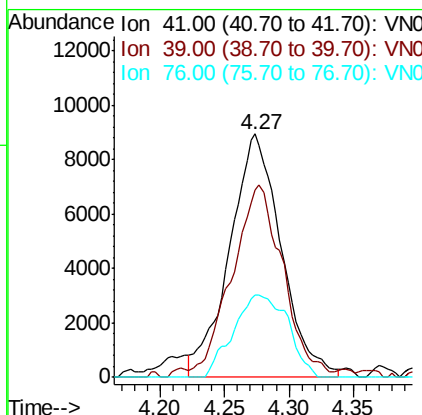
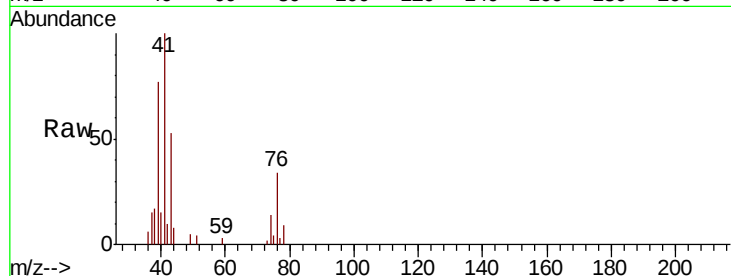




#17
Allvl chloride
Concen: 5.111 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

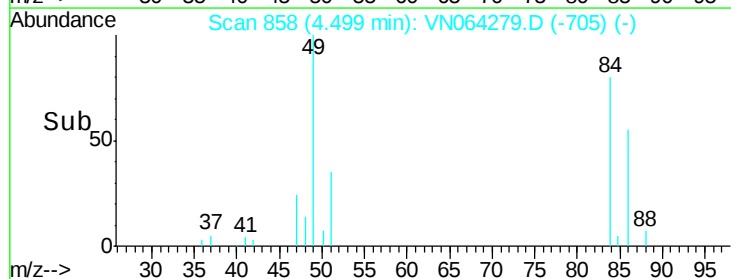
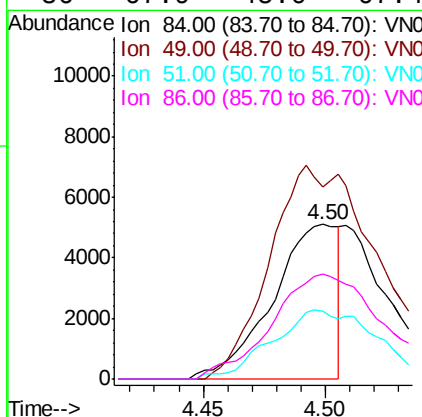
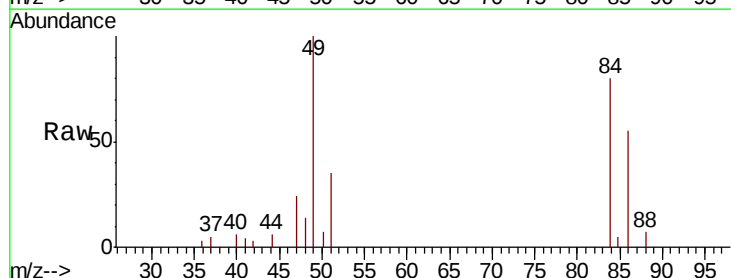
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

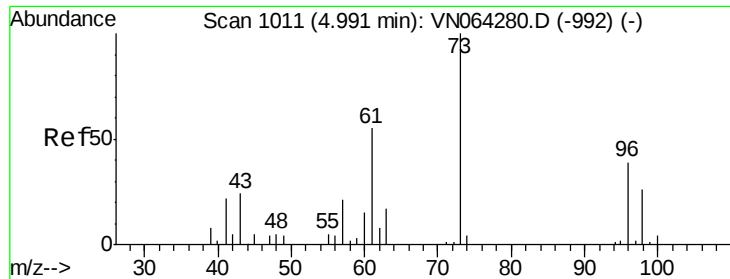
Tot Ion: 41 Resp: 24917
Ion Ratio Lower Upper
41 100
39 76.4 39.9 119.6
76 34.9 21.4 64.2



#18
Methylene Chloride
Concen: 3.133 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.01 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Tgt Ion: 84 Resp: 9515
Ion Ratio Lower Upper
84 100
49 124.5 101.1 151.7
51 43.8 33.4 50.0
86 67.9 45.0 67.4#

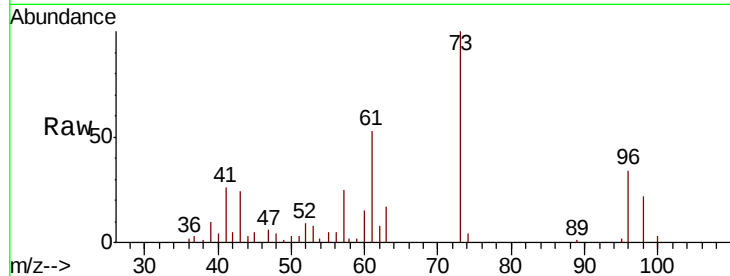




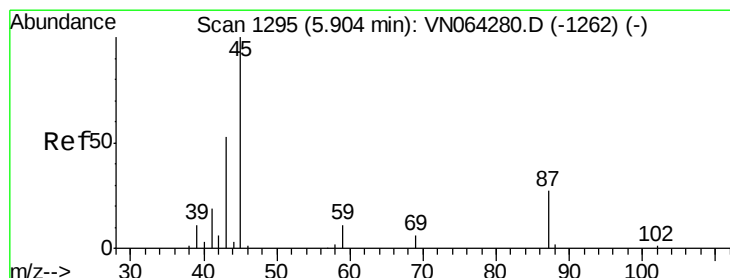
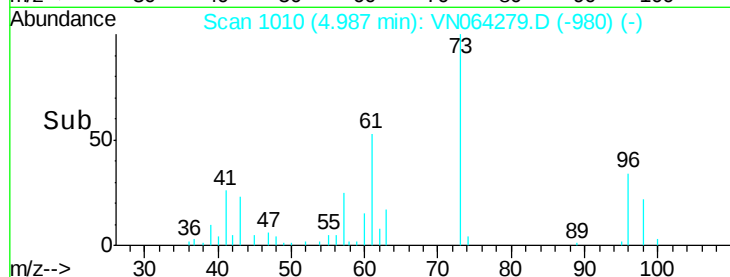
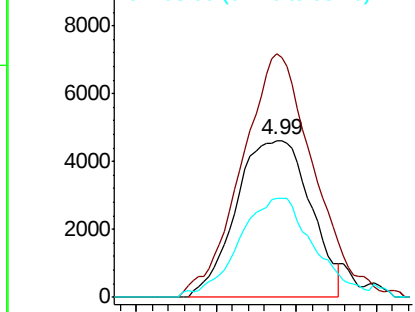
#19
trans-1,2-Dichloroethene
Concen: 5.191 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 96 Resp: 14816
Ion Ratio Lower Upper
96 100
61 147.7 114.2 171.2
98 58.6 52.8 79.2

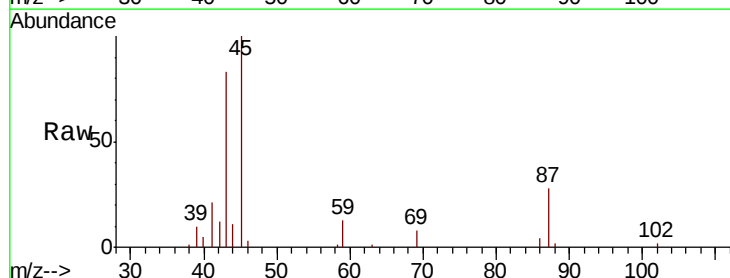


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

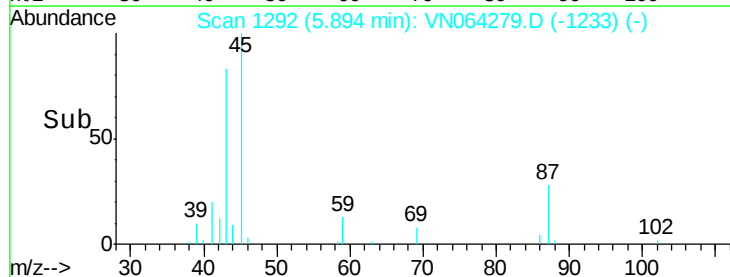
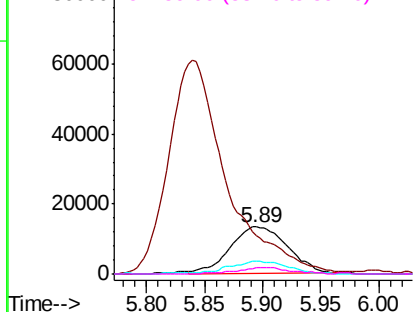


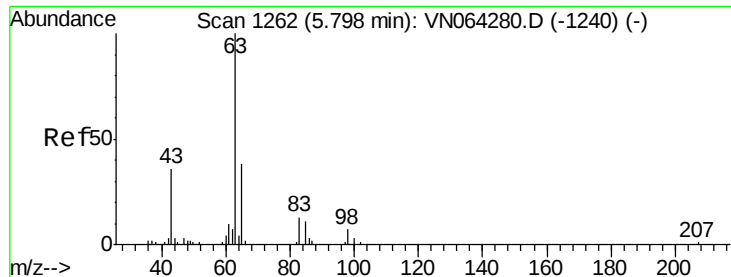
#20
Diisopropyl ether
Concen: 5.023 ug/l
RT: 5.89 min Scan# 1292
Delta R.T. -0.01 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Tgt Ion: 45 Resp: 45738
Ion Ratio Lower Upper
45 100
43 78.6 58.9 88.3
87 28.6 21.0 31.4
59 13.0 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: 4.932 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

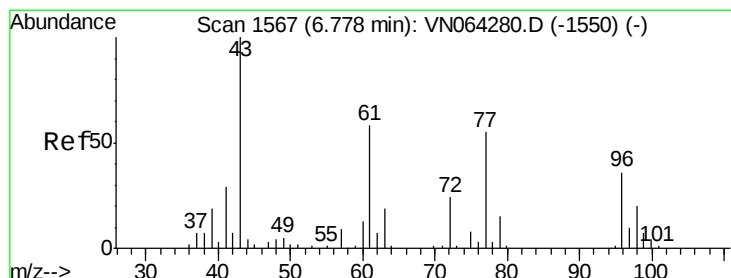
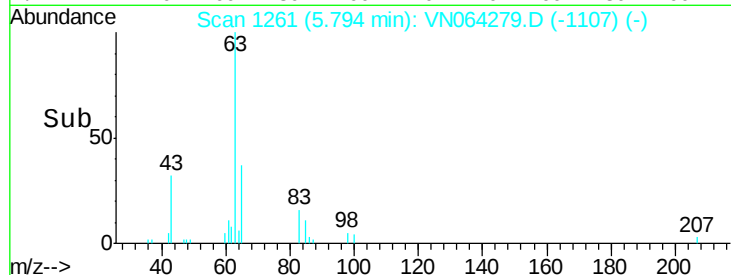
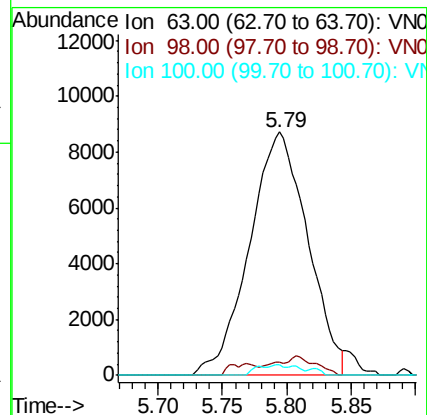
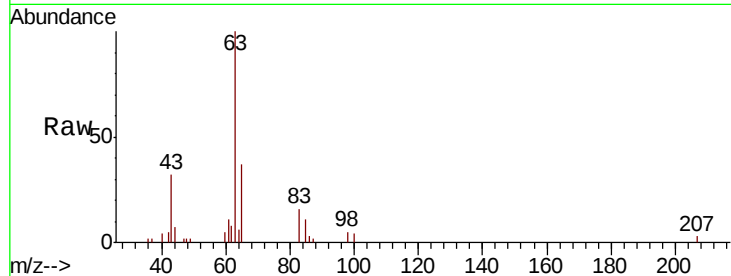
Tot Ion: 63 Resp: 27345

Ion Ratio Lower Upper

63 100

98 5.4 3.5 10.6

100 4.1 1.6 4.7



#22

cis-1,2-Dichloroethene

Concen: 5.149 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

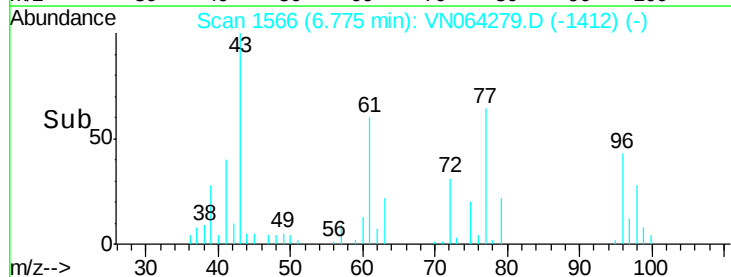
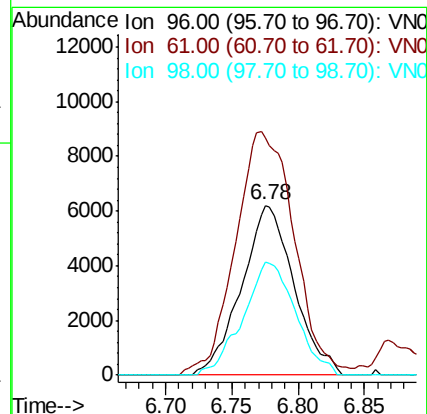
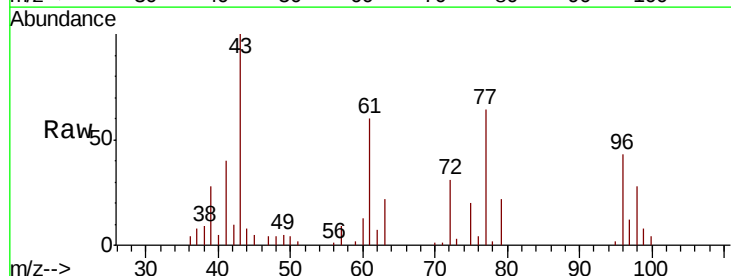
Tgt Ion: 96 Resp: 17141

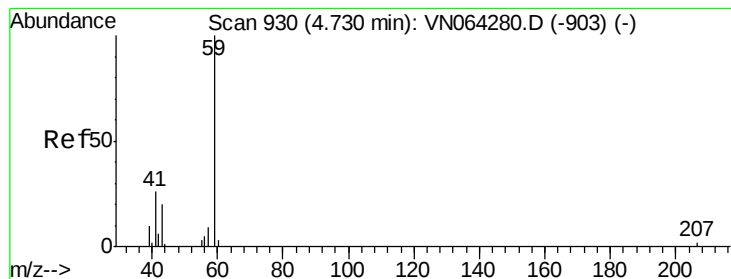
Ion Ratio Lower Upper

96 100

61 160.3 132.2 198.2

98 66.5 26.5 39.7#





#23

tert-Butyl Alcohol

Concen: 9.379 ug/l

RT: 4.71 min Scan# 925

Delta R.T. -0.02 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

Instrument :

MSVOA_N

ClientSampleId :

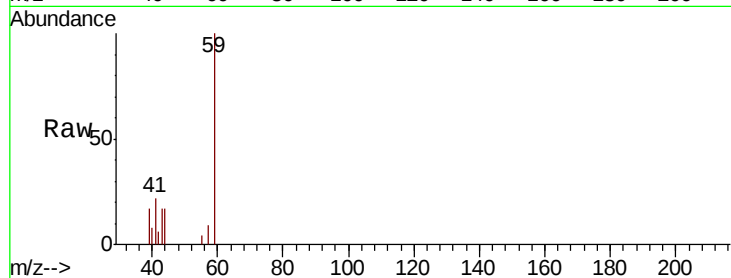
VSTDIC005

Tot Ion: 59 Resp: 4949

Ion Ratio Lower Upper

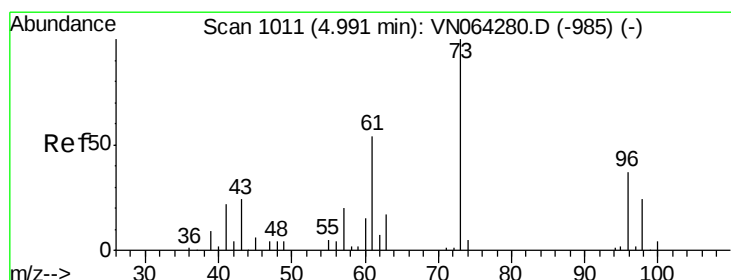
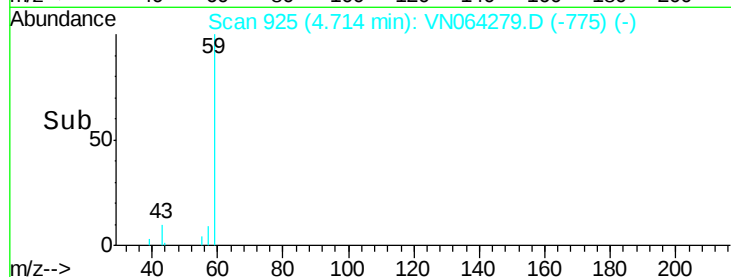
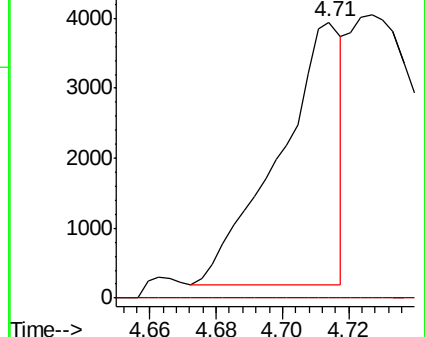
59 100

52 0.0 0.2 0.2#



Abundance Ion 59.00 (58.70 to 59.70): VN064280.D (-903) (-)

Ion 52.00 (51.70 to 52.70): VN064280.D (-903) (-)



#24

Methyl tert-Butyl Ether

Concen: 5.362 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VN064279.D

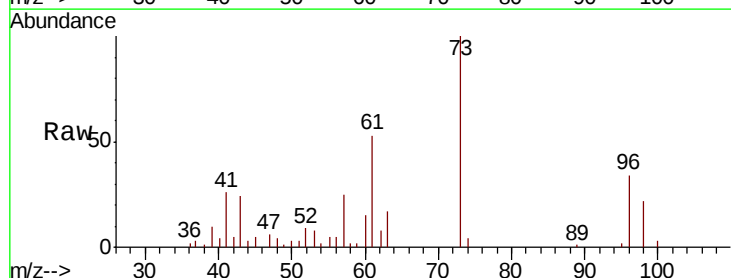
Acq: 23 Oct 2020 9:58

Tgt Ion: 73 Resp: 46922

Ion Ratio Lower Upper

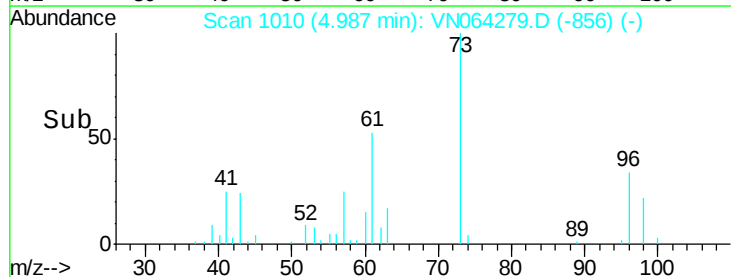
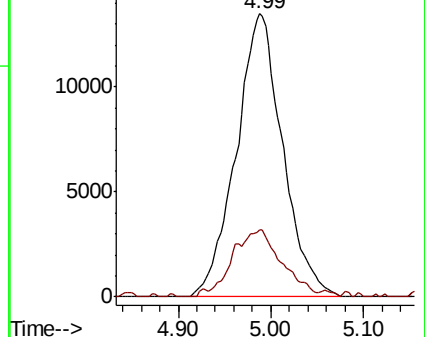
73 100

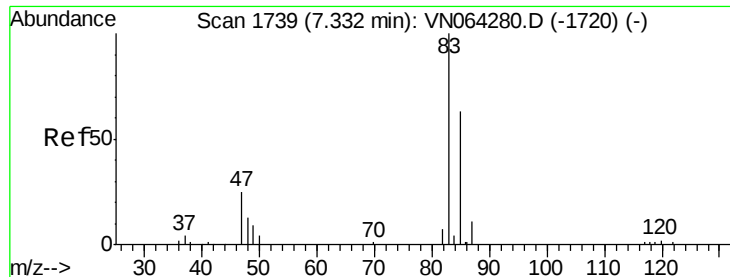
43 5.1 19.7 29.5#



Abundance Ion 73.00 (72.70 to 73.70): VN064280.D (-985) (-)

Ion 43.00 (42.70 to 43.70): VN064280.D (-985) (-)

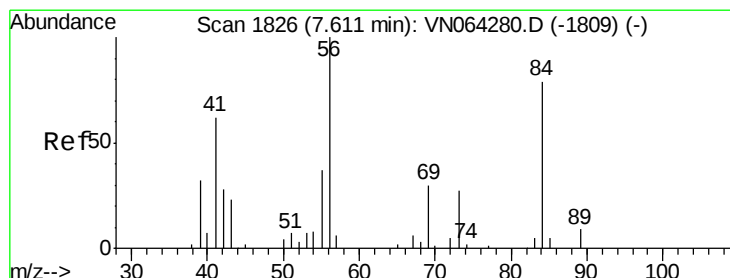
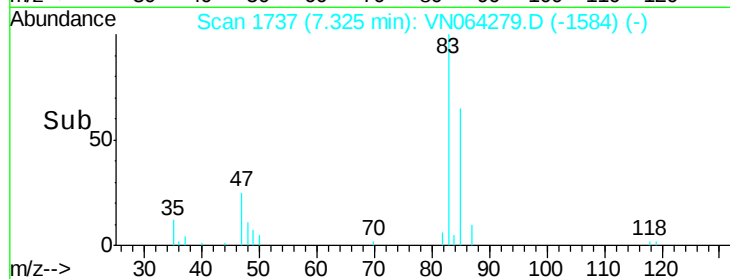
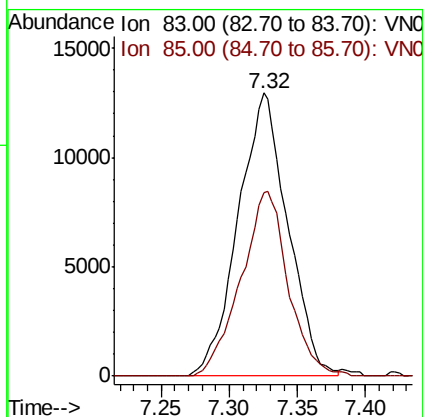
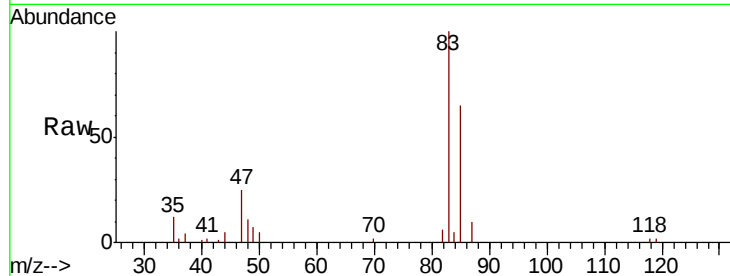




#25
Chloroform
Concen: 5.631 ug/l
RT: 7.32 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

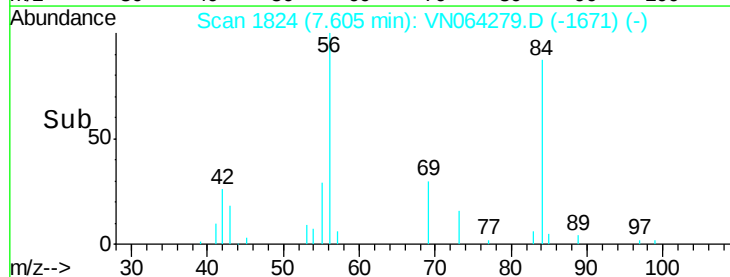
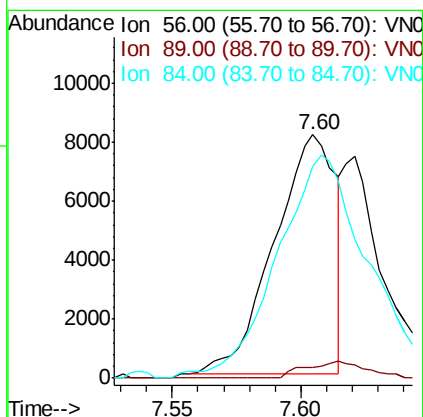
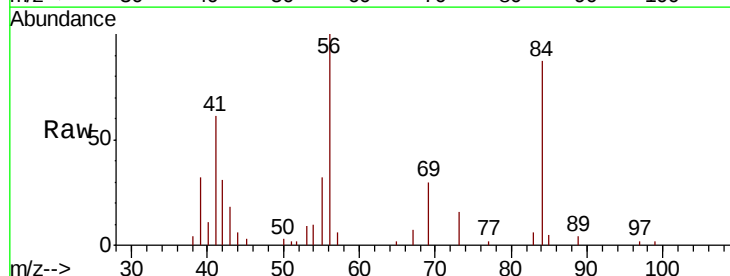
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

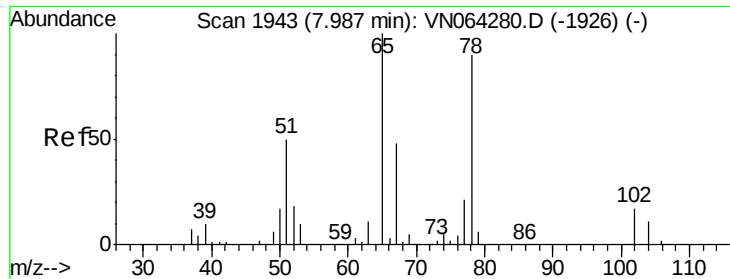
Tot Ion: 83 Resp: 32645
Ion Ratio Lower Upper
83 100
85 64.7 50.3 75.5



#26
Cyclohexane
Concen: 3.040 ug/l
RT: 7.60 min Scan# 1824
Delta R.T. -0.01 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Tgt Ion: 56 Resp: 13340
Ion Ratio Lower Upper
56 100
89 1.9 3.4 5.2#
84 137.6 66.2 99.2#





#27

1,2-Dichloroethane-d4

Concen: 33.037 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

Instrument :

MSVOA_N

ClientSampleId :

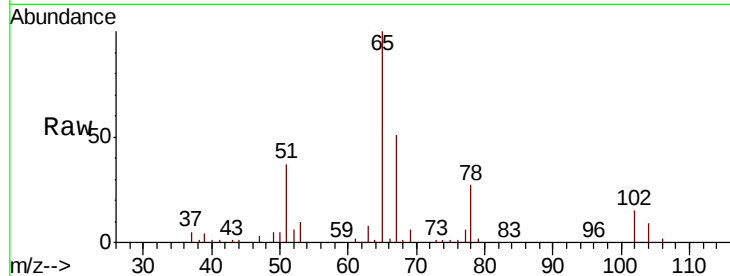
VSTDIC005

Tot Ion: 65 Resp: 131906

Ion Ratio Lower Upper

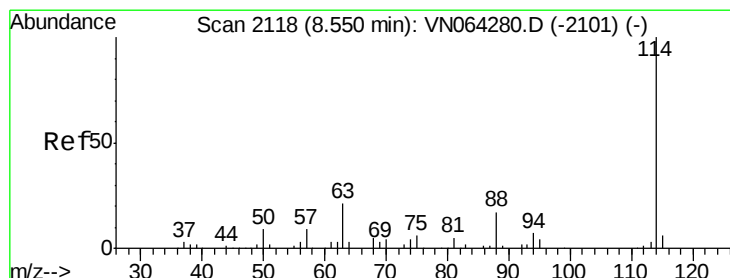
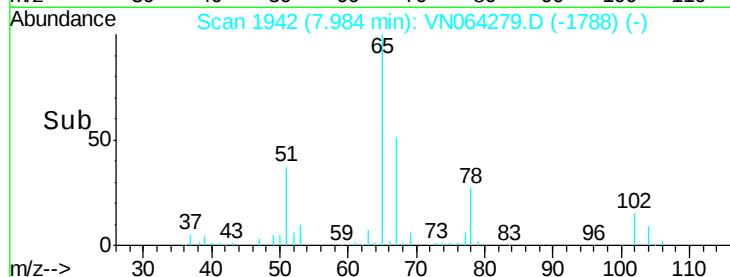
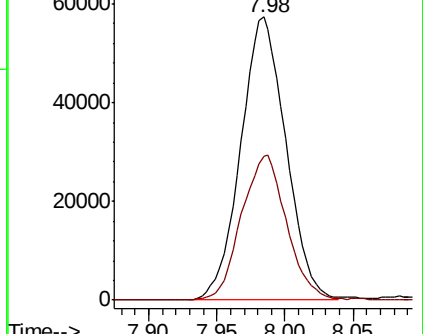
65 100

67 51.1 38.4 57.6



Abundance Ion 65.00 (64.70 to 65.70): VN064280.D (-1926) (-)

Ion 67.00 (66.70 to 67.70): VN064280.D (-1926) (-)



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

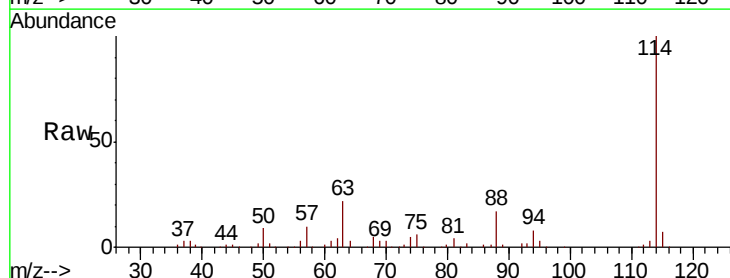
Tgt Ion: 114 Resp: 274544

Ion Ratio Lower Upper

114 100

63 22.2 17.8 26.8

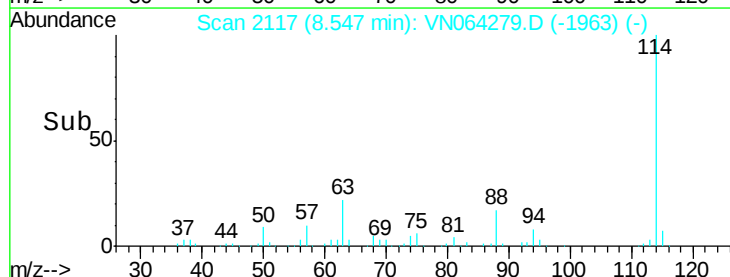
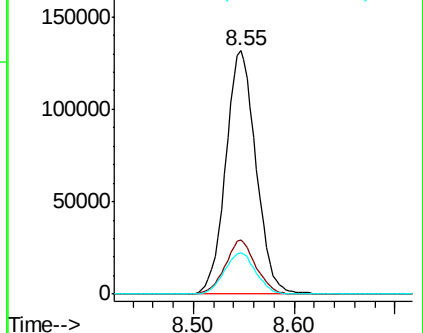
88 17.4 13.8 20.8

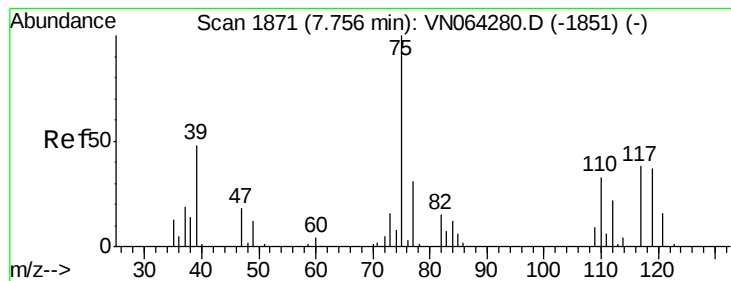


Abundance Ion 114.00 (113.70 to 114.70): VN064280.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN064280.D (-2101) (-)

Ion 88.00 (87.70 to 88.70): VN064280.D (-2101) (-)





#29

1,1-Dichloropropene

Concen: 5.105 ug/l

RT: 7.75 min Scan# 1870

Delta R.T. -0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

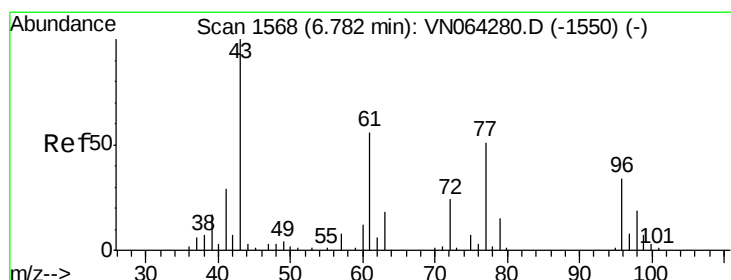
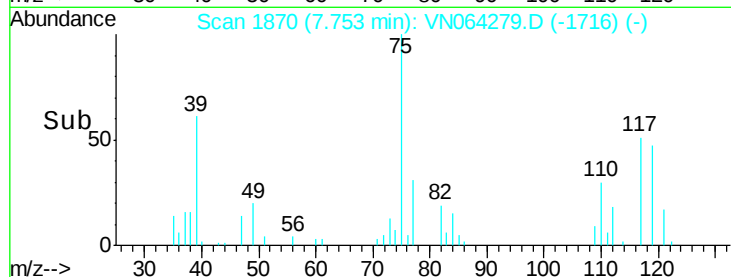
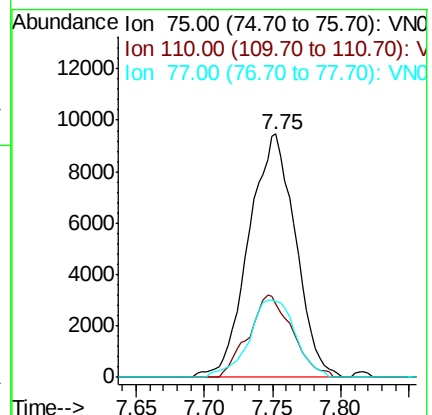
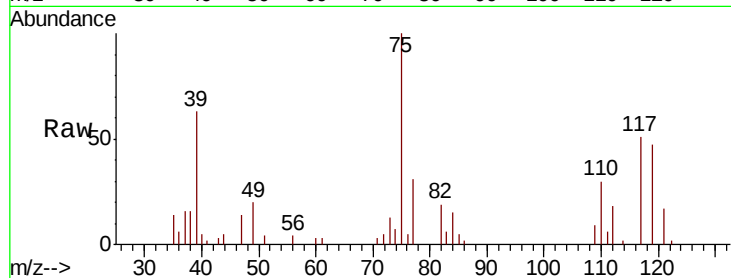
Tot Ion: 75 Resp: 22499

Ion Ratio Lower Upper

75 100

110 31.8 0.0 66.2

77 31.6 0.0 64.4



#30

2-Butanone

Concen: 26.894 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

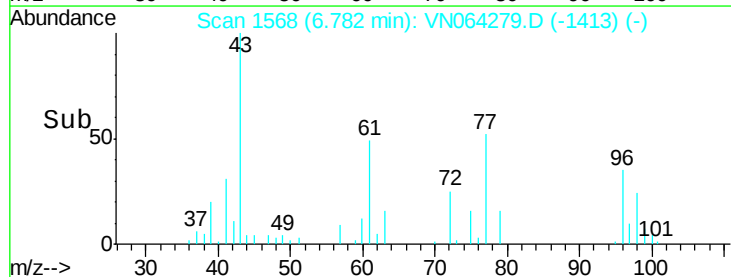
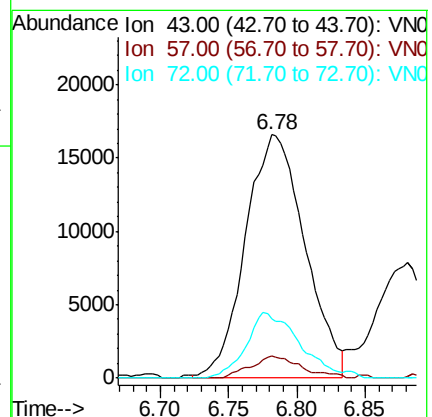
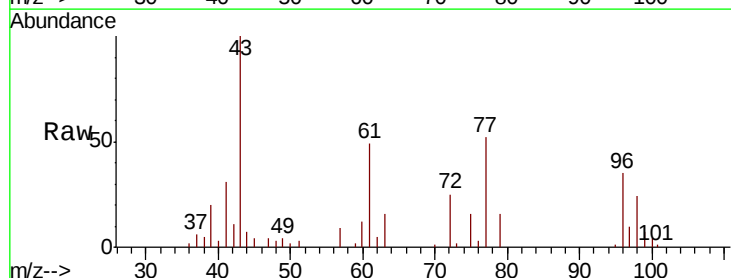
Tgt Ion: 43 Resp: 50185

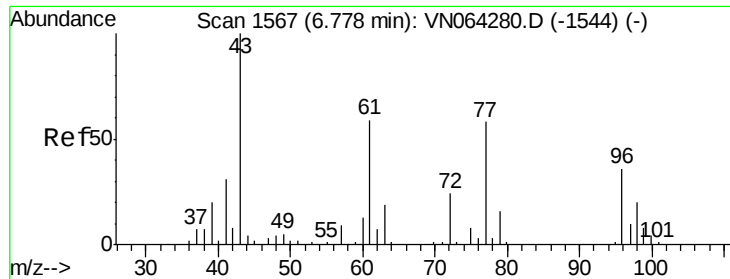
Ion Ratio Lower Upper

43 100

57 7.0 6.4 9.6

72 24.0 19.4 29.0





#31

2,2-Dichloropropane

Concen: 5.271 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

Instrument :

MSVOA_N

ClientSampleId :

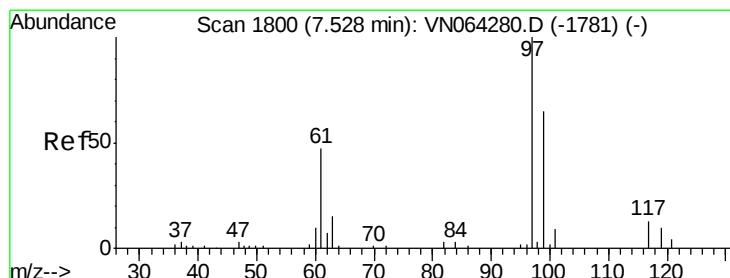
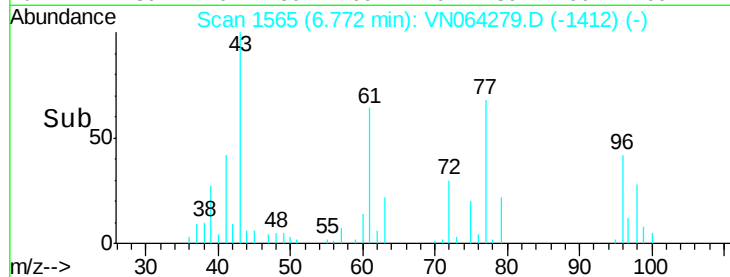
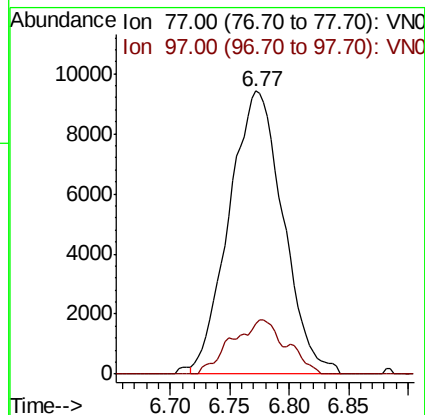
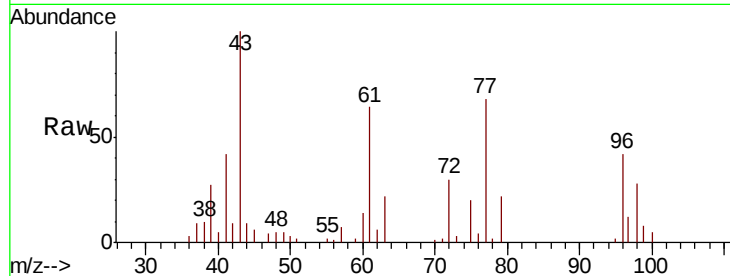
VSTDIC005

Tot Ion: 77 Resp: 29670

Ion Ratio Lower Upper

77 100

97 4.6 15.1 22.7#



#32

1,1,1-Trichloroethane

Concen: 5.285 ug/l

RT: 7.52 min Scan# 1798

Delta R.T. -0.01 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

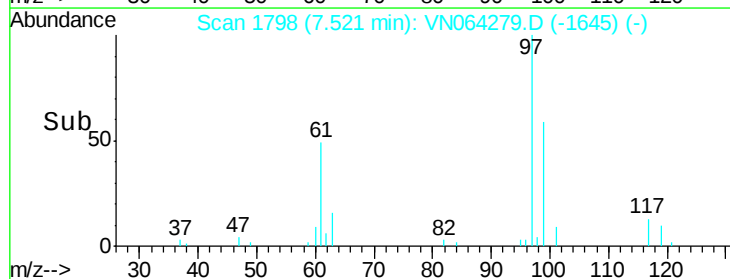
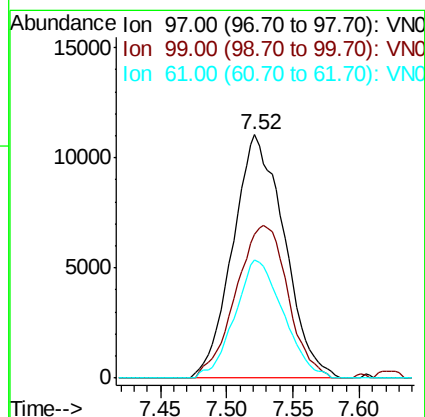
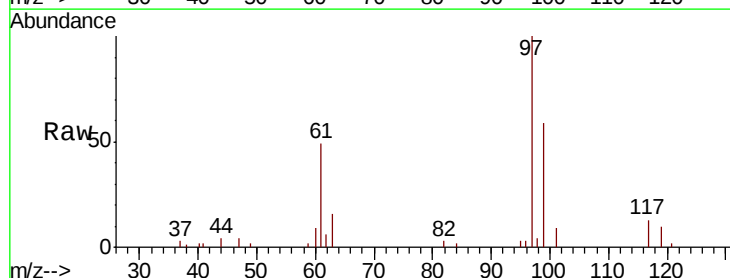
Tgt Ion: 97 Resp: 29829

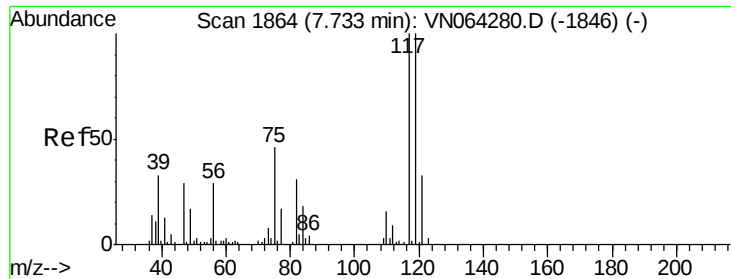
Ion Ratio Lower Upper

97 100

99 63.4 54.4 81.6

61 45.8 37.5 56.3

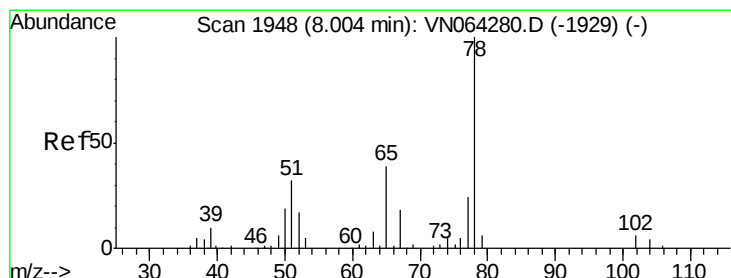
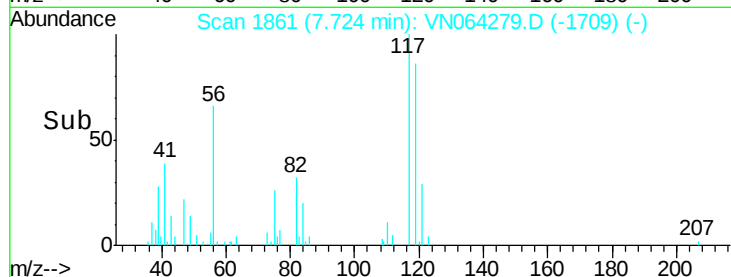
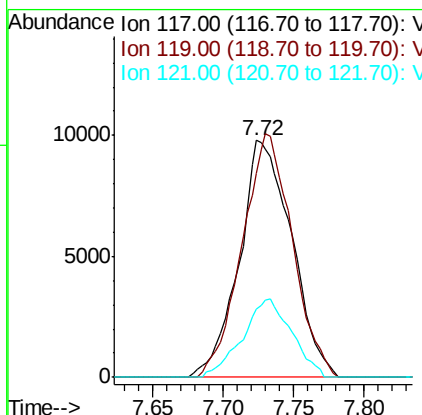
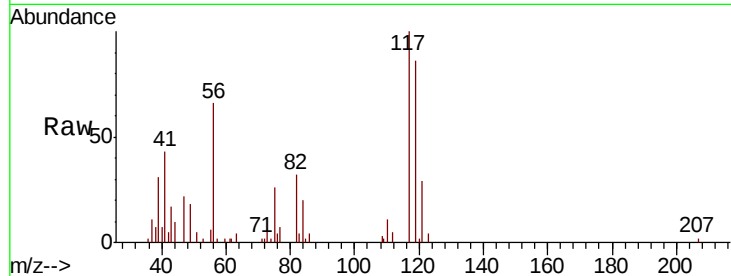




#33
Carbon Tetrachloride
Concen: 4.971 ug/l
RT: 7.72 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

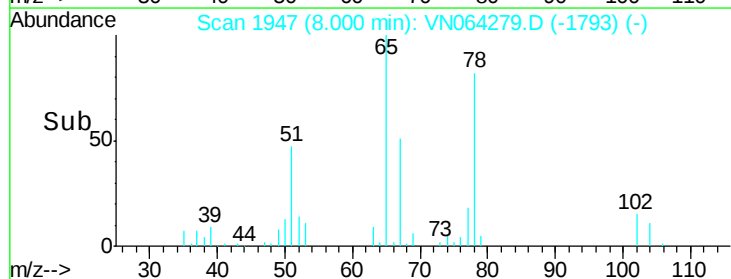
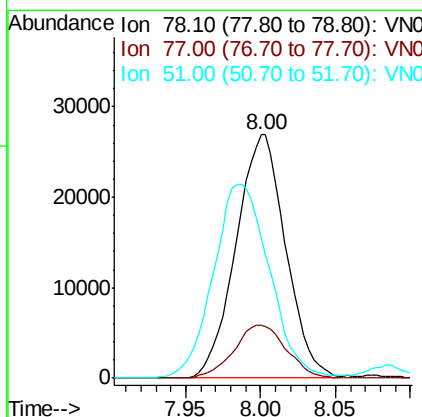
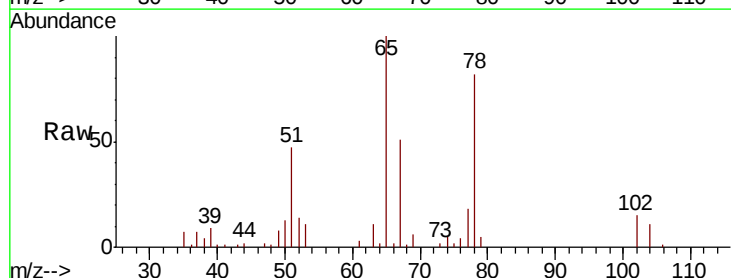
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

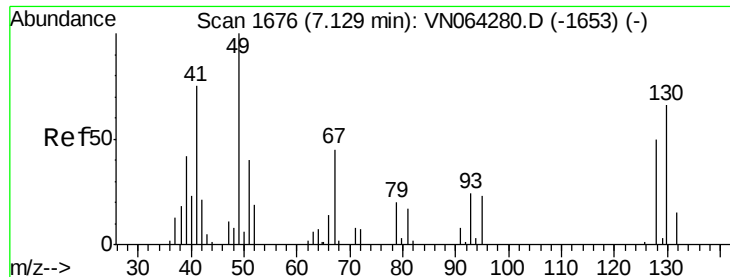
Tot Ion:117 Resp: 25416
Ion Ratio Lower Upper
117 100
119 86.3 80.1 120.1
121 28.8 26.2 39.2



#34
Benzene
Concen: 5.058 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Tgt Ion: 78 Resp: 62179
Ion Ratio Lower Upper
78 100
77 21.7 19.2 28.8
51 56.5 25.2 37.8#

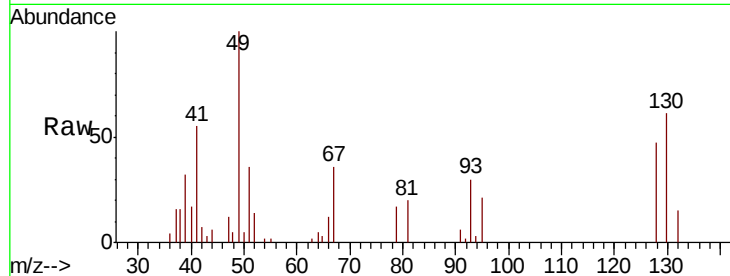




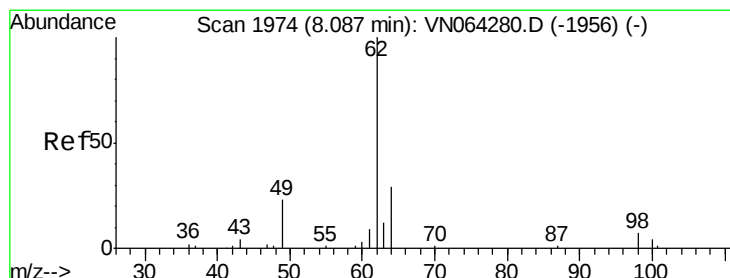
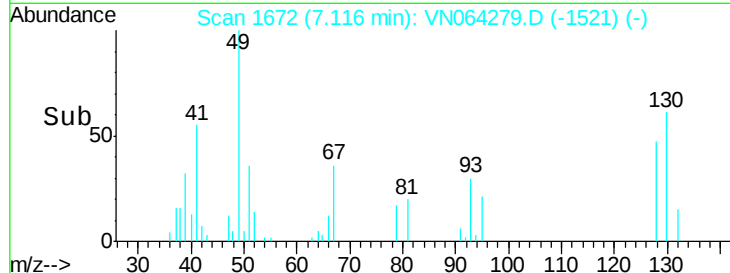
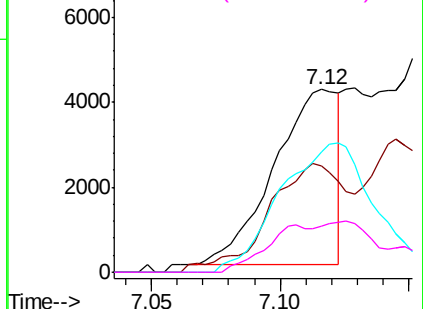
#35
Methacrylonitrile
Concen: 3.604 ug/l
RT: 7.12 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	7153
Ion	Ratio	Lower	Upper
41	100		
39	56.6	28.0	83.9
67	69.0	29.9	89.8
52	26.5	12.4	37.2

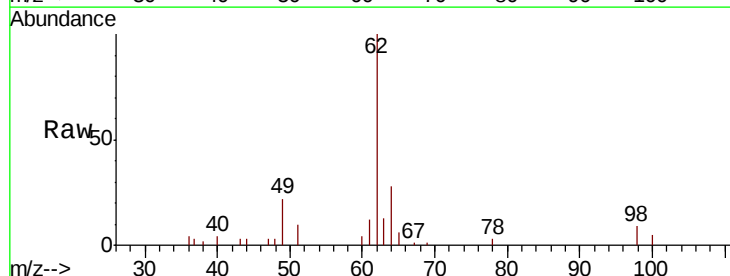


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

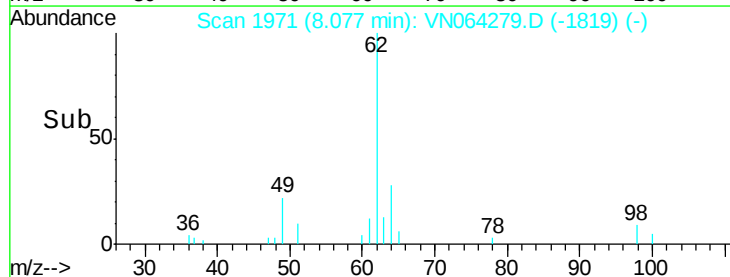
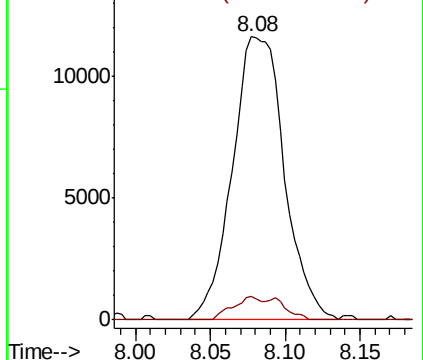


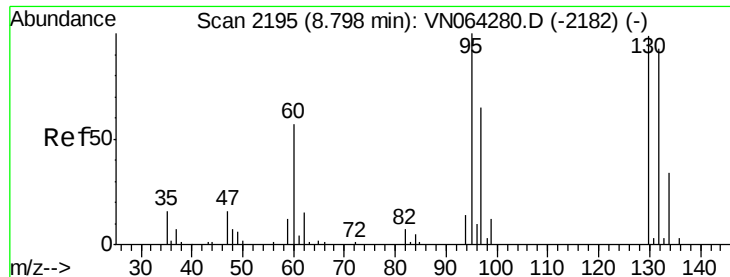
#36
1,2-Dichloroethane
Concen: 5.528 ug/l
RT: 8.08 min Scan# 1971
Delta R.T. -0.01 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Tgt Ion:	62	Resp:	28030
Ion	Ratio	Lower	Upper
62	100		
98	4.9	5.4	8.0#



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

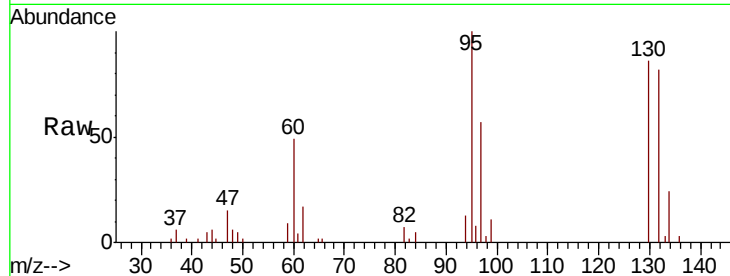




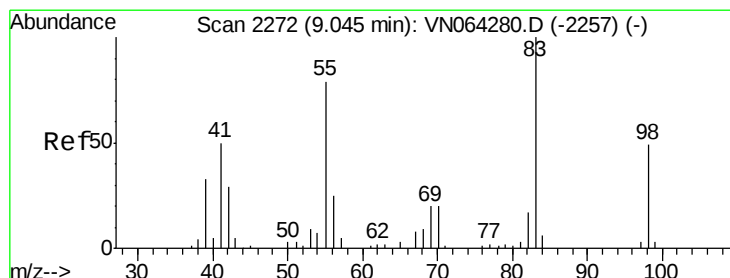
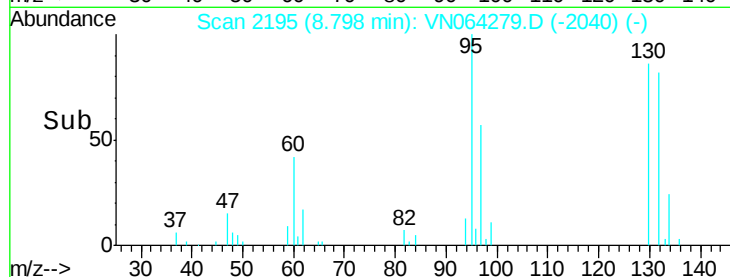
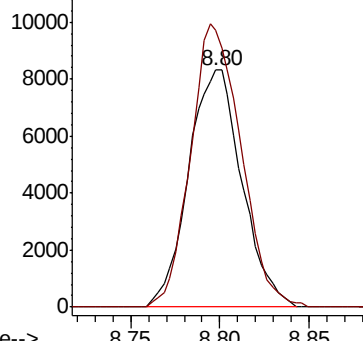
#37
 Trichloroethene
 Concen: 5.128 ug/l
 RT: 8.80 min Scan# 2195
 Delta R.T. -0.00 min
 Lab File: VN064279.D
 Acq: 23 Oct 2020 9:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:130 Resp: 17333
 Ion Ratio Lower Upper
 130 100
 95 116.7 81.2 121.8

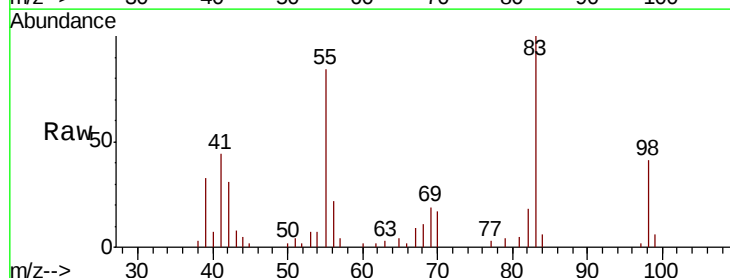


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

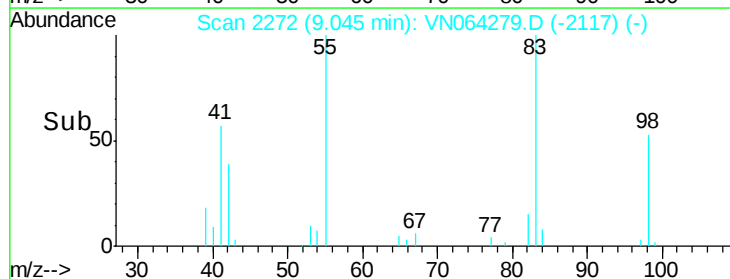
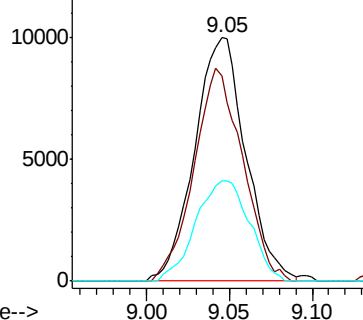


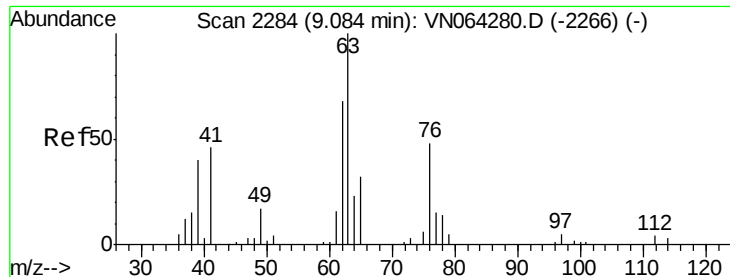
#38
 Methylcyclohexane
 Concen: 5.100 ug/l
 RT: 9.05 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN064279.D
 Acq: 23 Oct 2020 9:58

Tgt Ion: 83 Resp: 21423
 Ion Ratio Lower Upper
 83 100
 55 83.3 40.3 120.9
 98 43.2 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

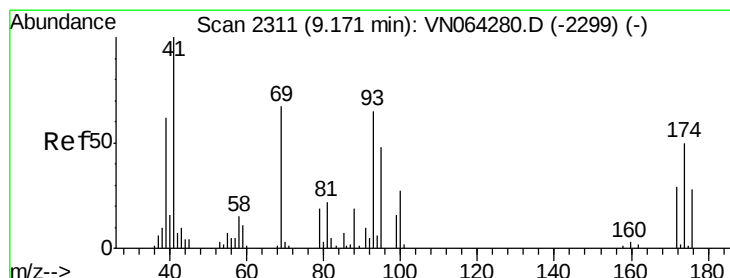
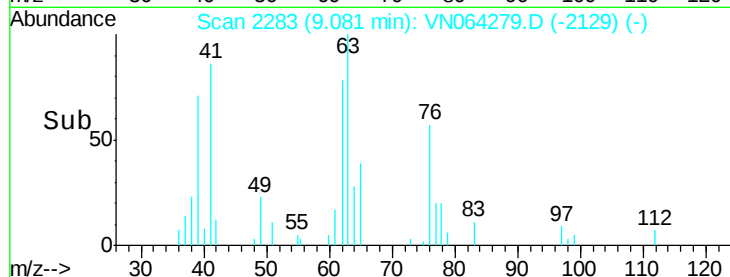
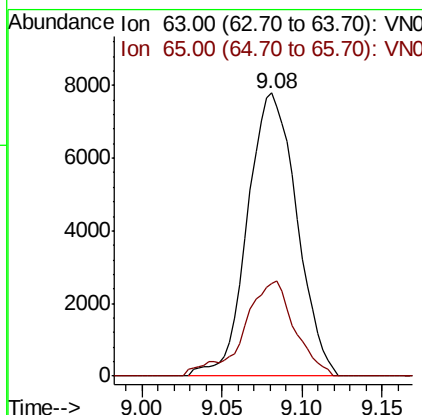
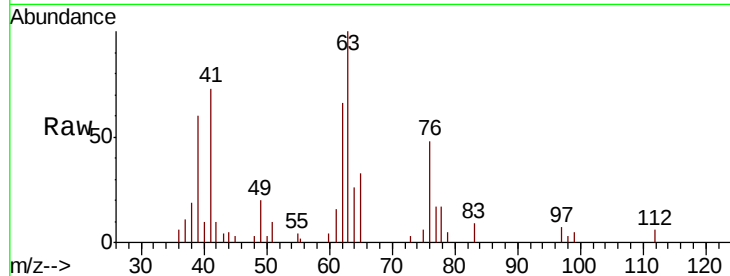




#39
 1,2-Dichloropropane
 Concen: 4.999 ug/l
 RT: 9.08 min Scan# 2283
 Delta R.T. -0.00 min
 Lab File: VN064279.D
 Acq: 23 Oct 2020 9:58

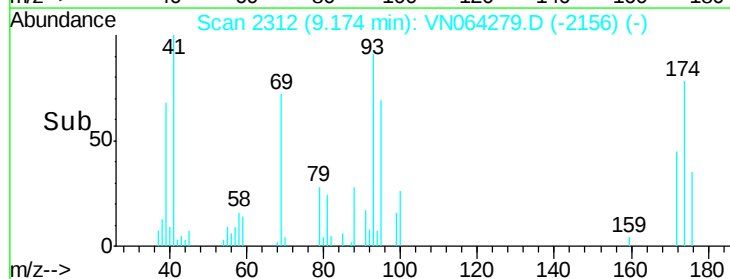
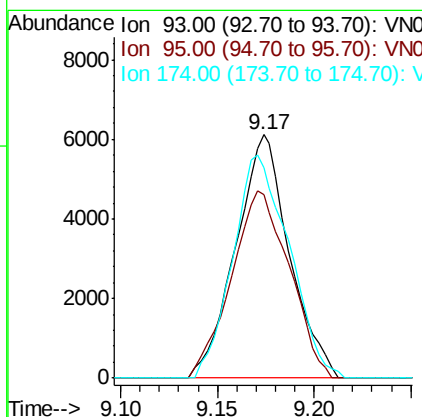
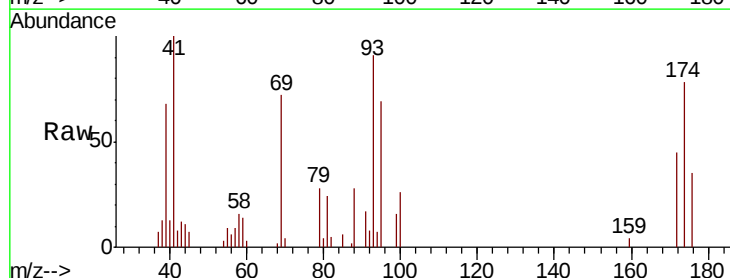
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

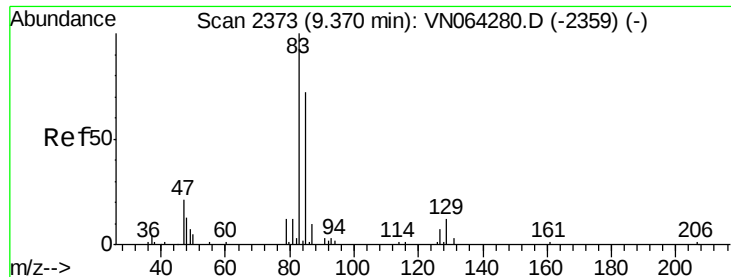
Tot Ion: 63 Resp: 16499
 Ion Ratio Lower Upper
 63 100
 65 32.9 26.1 39.1



#40
 Dibromomethane
 Concen: 5.093 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064279.D
 Acq: 23 Oct 2020 9:58

Tgt Ion: 93 Resp: 11768
 Ion Ratio Lower Upper
 93 100
 95 83.2 0.0 156.6
 174 96.6 0.0 168.8

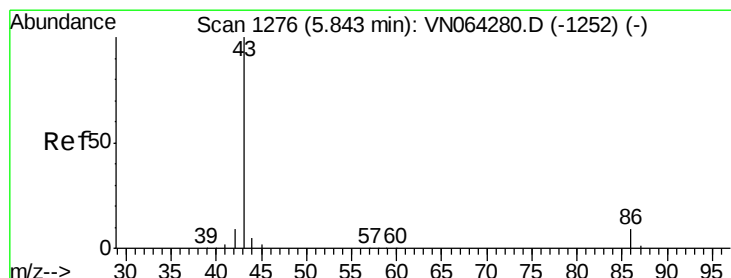
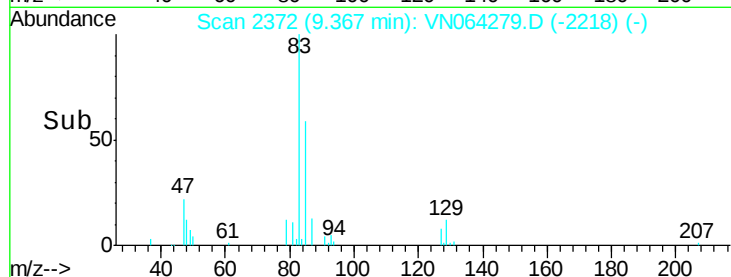
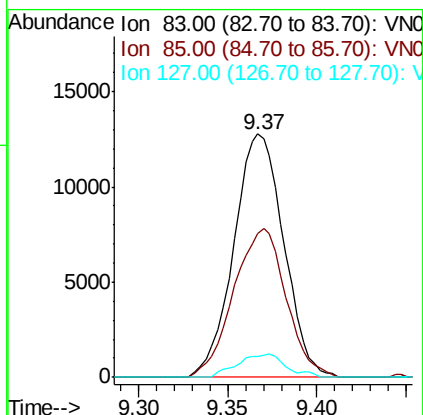
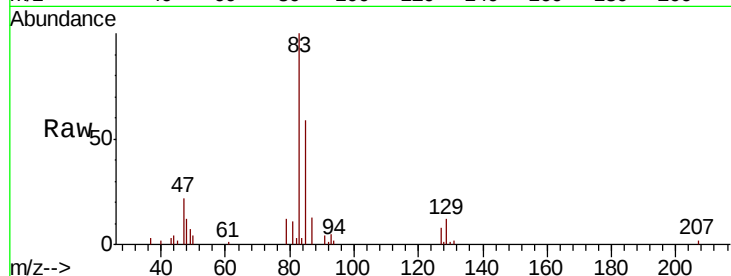




#41
Bromodichloromethane
Concen: 5.030 ug/l
RT: 9.37 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

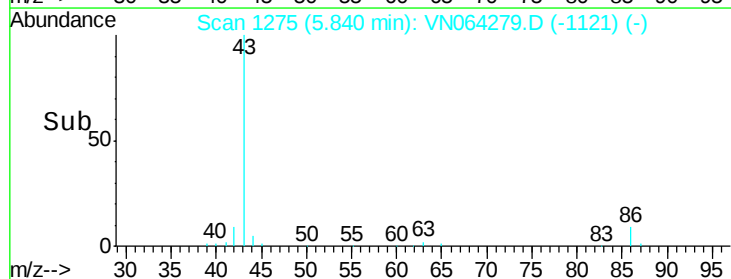
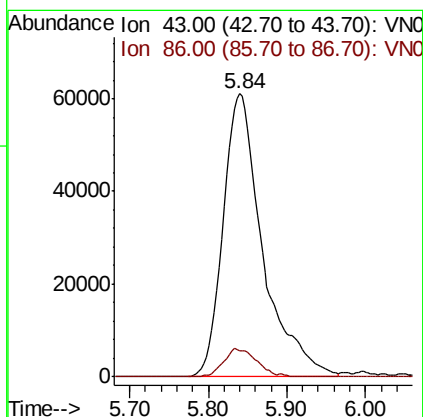
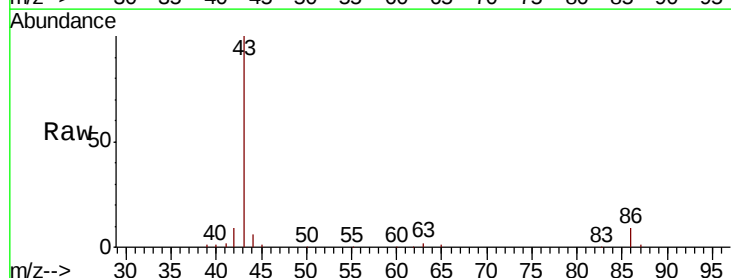
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

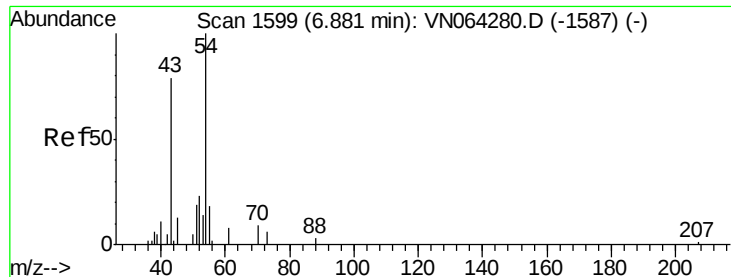
Tot Ion: 83 Resp: 24886
Ion Ratio Lower Upper
83 100
85 58.9 57.8 86.6
127 9.5 7.0 10.4



#42
Vinyl Acetate
Concen: 24.539 ug/l
RT: 5.84 min Scan# 1275
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Tgt Ion: 43 Resp: 212929
Ion Ratio Lower Upper
43 100
86 4.7 6.6 9.8#





#43

Ethyl Acetate

Concen: 5.495 ug/l

RT: 6.88 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

Instrument :

MSVOA_N

ClientSampleId :

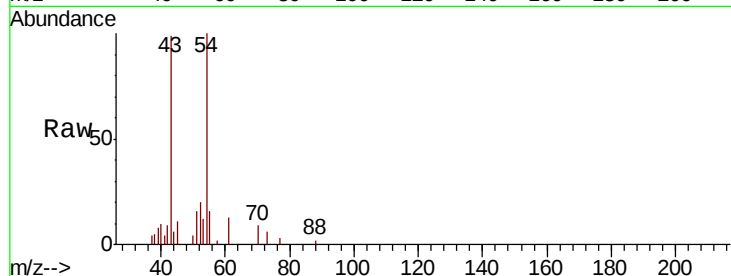
VSTDIC005

Tot Ion: 43 Resp: 21786

Ion Ratio Lower Upper

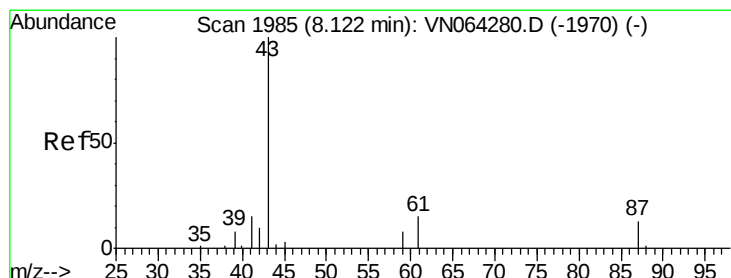
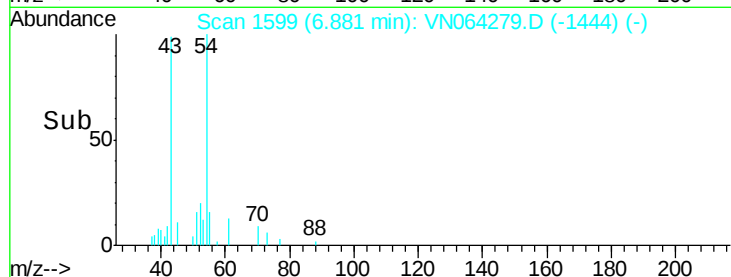
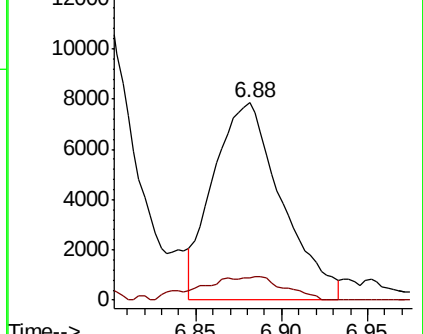
43 100

45 0.8 8.2 12.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 4.828 ug/l

RT: 8.12 min Scan# 1984

Delta R.T. -0.00 min

Lab File: VN064279.D

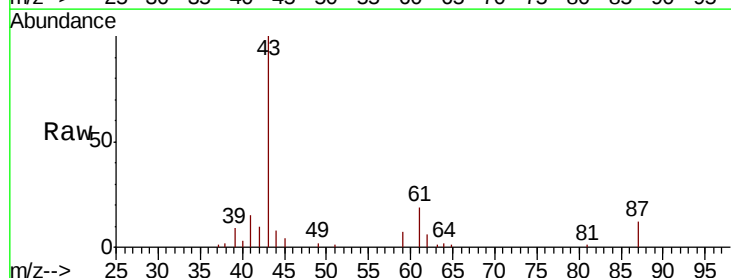
Acq: 23 Oct 2020 9:58

Tgt Ion: 43 Resp: 36698

Ion Ratio Lower Upper

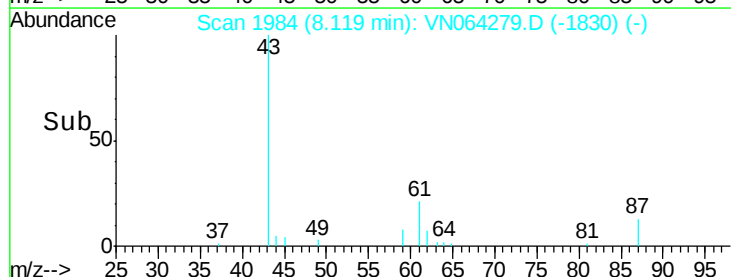
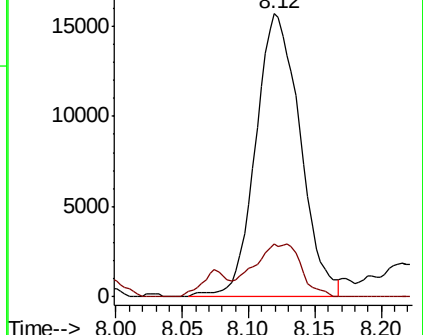
43 100

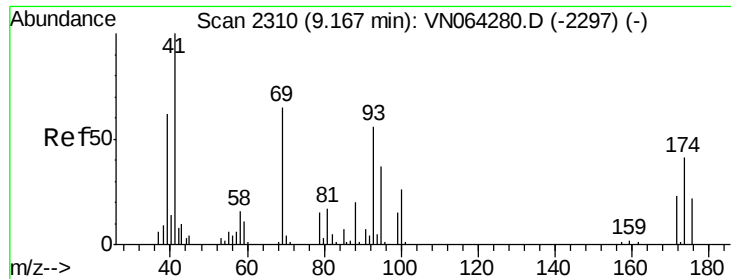
61 6.1 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

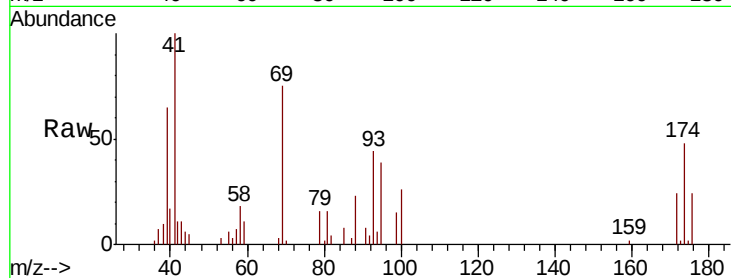




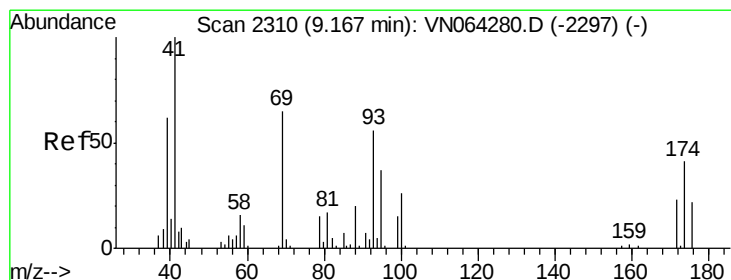
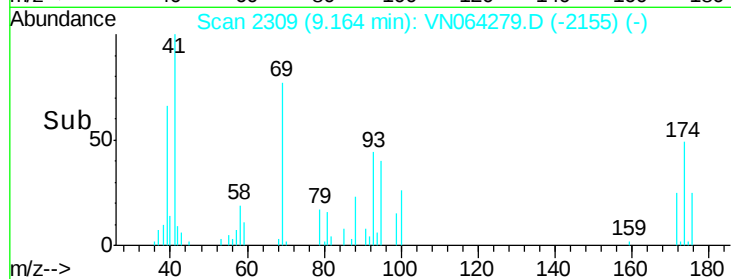
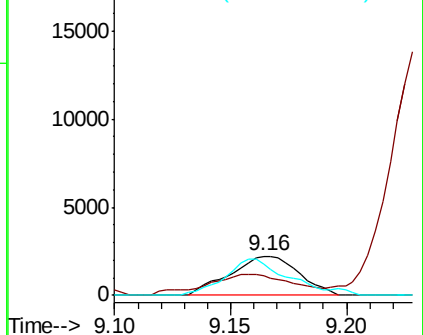
#45
 1,4-Dioxane
 Concen: 102.373 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN064279.D
 Acq: 23 Oct 2020 9:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 88 Resp: 4596
 Ion Ratio Lower Upper
 88 100
 43 38.5 34.7 52.1
 58 81.8 65.8 98.6

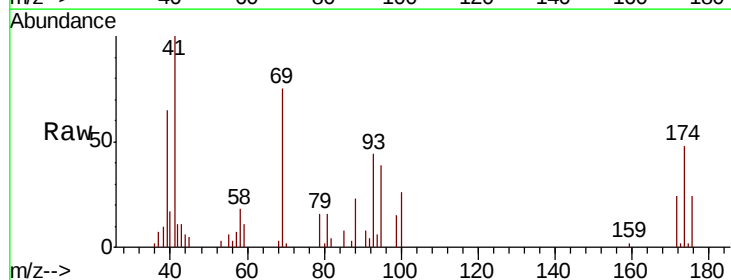


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

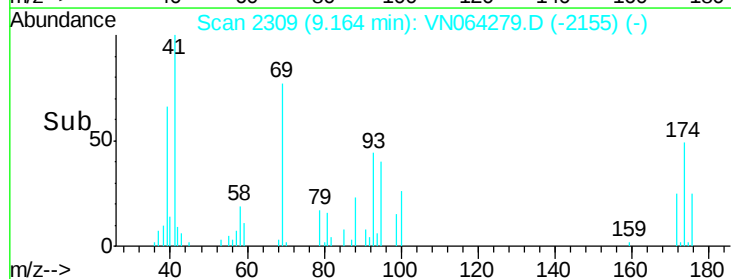
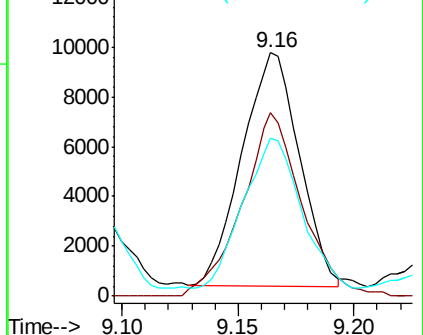


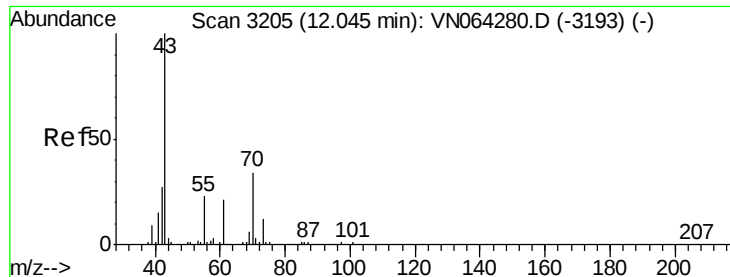
#46
 Methyl methacrylate
 Concen: 4.399 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN064279.D
 Acq: 23 Oct 2020 9:58

Tgt Ion: 41 Resp: 16050
 Ion Ratio Lower Upper
 41 100
 69 76.2 32.6 97.7
 39 64.4 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

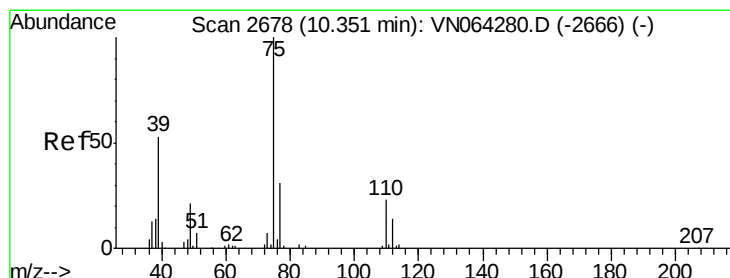
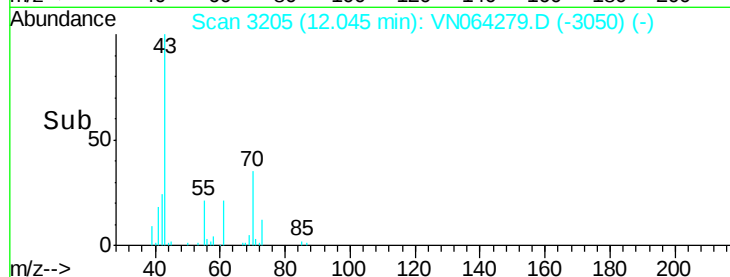
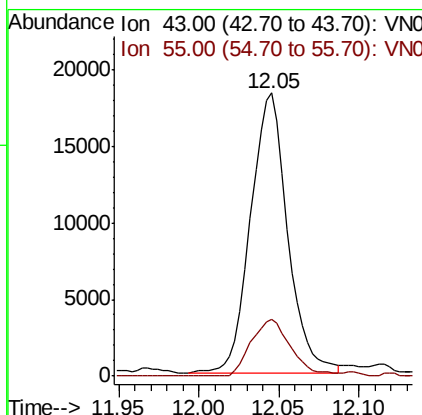
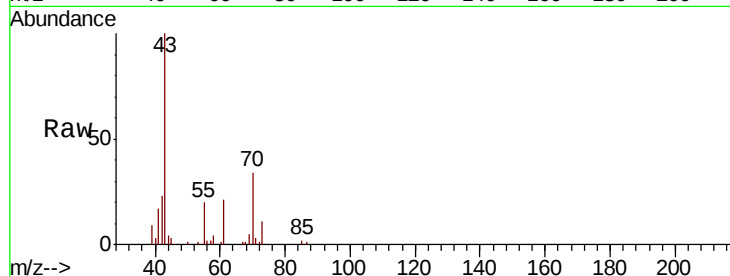




#47
n-amvl Acetate
Concen: 4.278 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

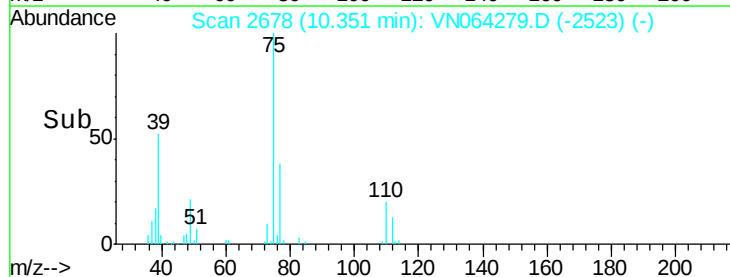
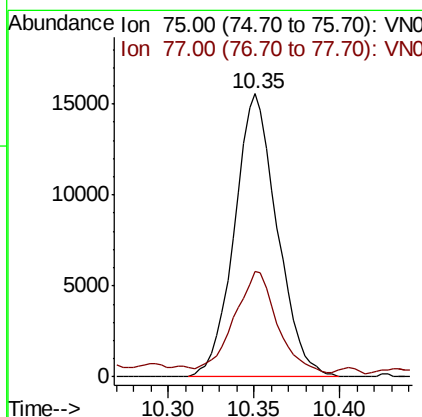
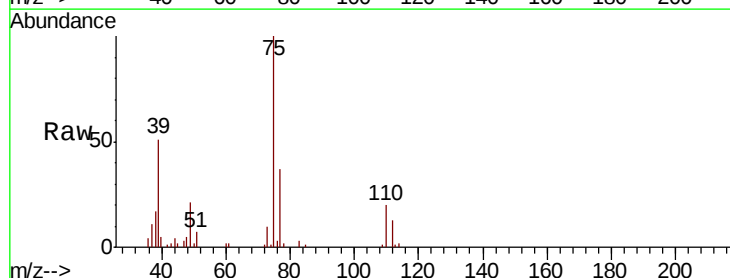
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

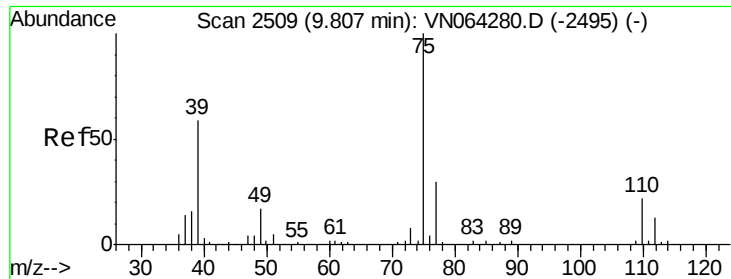
Tot Ion: 43 Resp: 28854
Ion Ratio Lower Upper
43 100
55 21.2 18.2 27.2



#48
t-1,3-Dichloropropene
Concen: 4.819 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Tgt Ion: 75 Resp: 26954
Ion Ratio Lower Upper
75 100
77 35.1 25.4 38.0

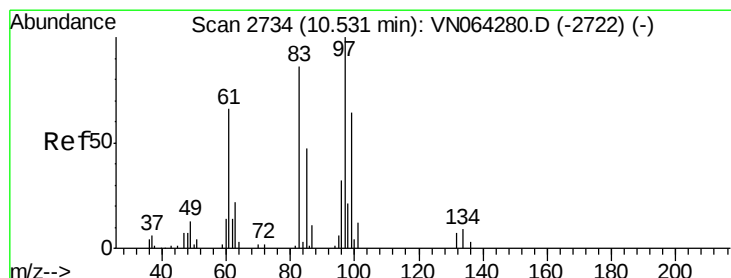
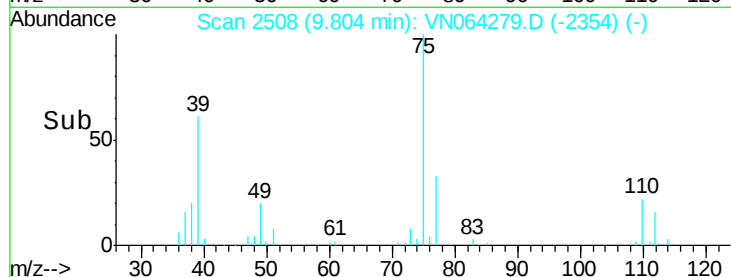
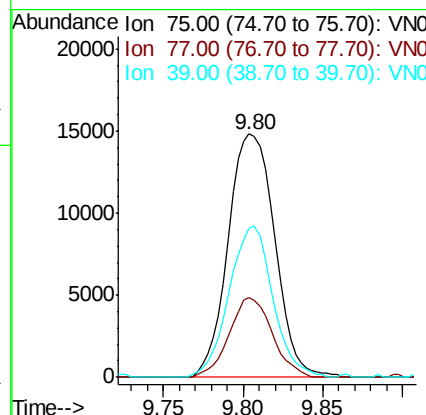
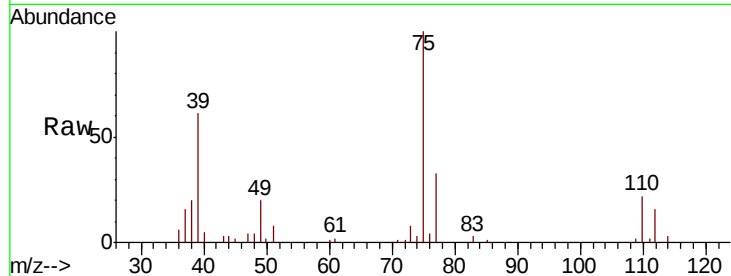




#49
 cis-1,3-Dichloropropene
 Concen: 5.129 ug/l
 RT: 9.80 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN064279.D
 Acq: 23 Oct 2020 9:58

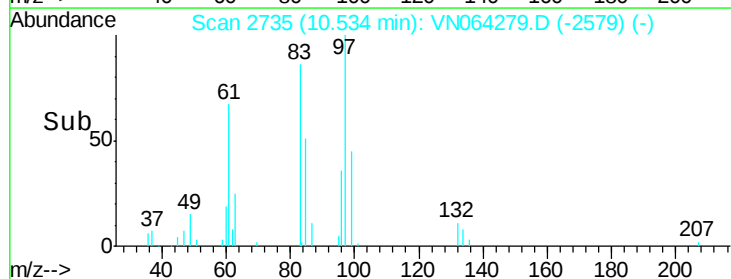
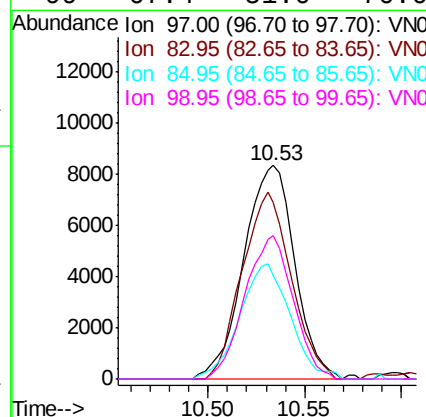
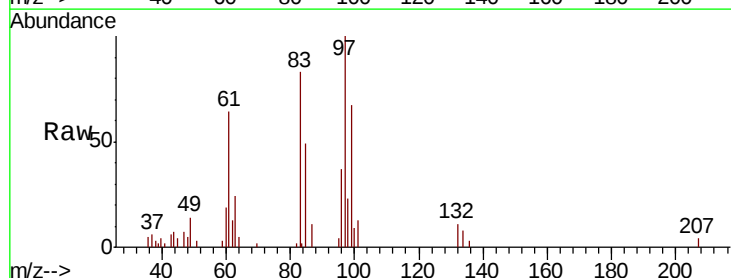
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

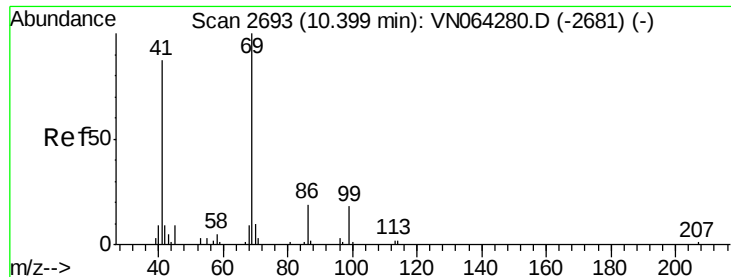
Tot Ion: 75 Resp: 29539
 Ion Ratio Lower Upper
 75 100
 77 32.8 23.7 35.5
 39 60.2 46.9 70.3



#50
 1,1,2-Trichloroethane
 Concen: 4.997 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064279.D
 Acq: 23 Oct 2020 9:58

Tgt Ion: 97 Resp: 15294
 Ion Ratio Lower Upper
 97 100
 83 82.5 68.9 103.3
 85 48.8 37.8 56.8
 99 67.4 51.0 76.6





#51

Ethyl methacrylate

Concen: 4.619 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

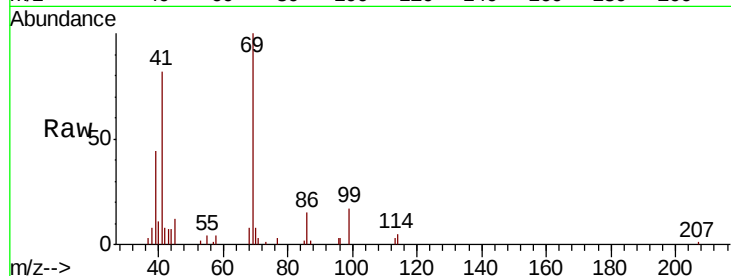
Tot Ion: 69 Resp: 22071

Ion Ratio Lower Upper

69 100

41 80.4 43.6 130.9

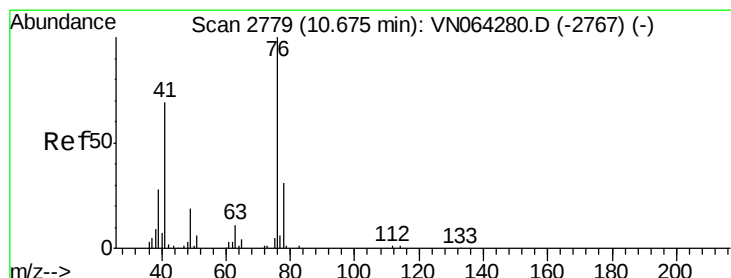
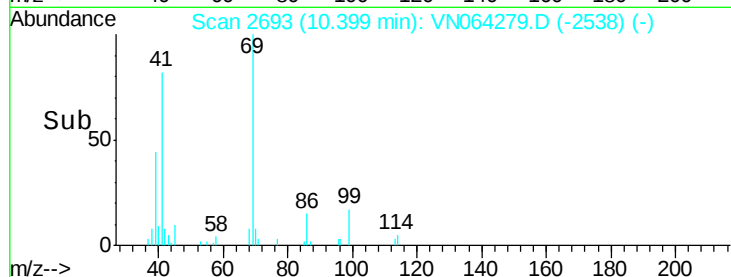
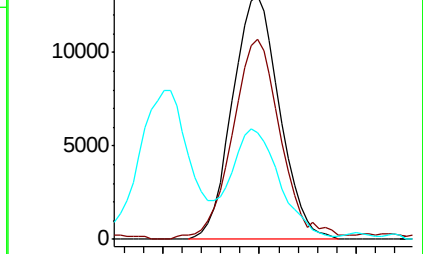
39 42.3 25.8 77.3



Abundance Ion 69.00 (68.70 to 69.70): VN064279.D (-2538) (-)

Ion 41.00 (40.70 to 41.70): VN064279.D (-2538) (-)

Ion 39.00 (38.70 to 39.70): VN064279.D (-2538) (-)



#52

1,3-Dichloropropane

Concen: 5.117 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN064279.D

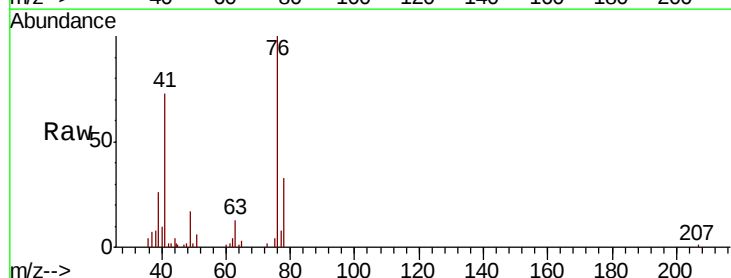
Acq: 23 Oct 2020 9:58

Tgt Ion: 76 Resp: 27077

Ion Ratio Lower Upper

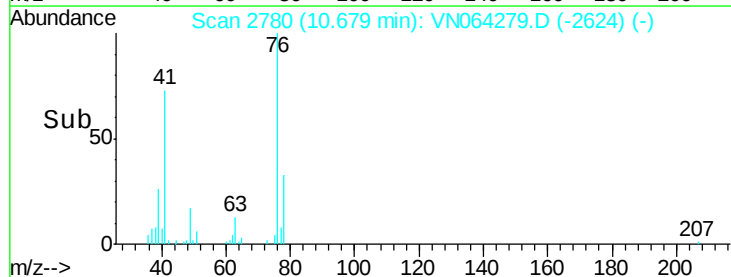
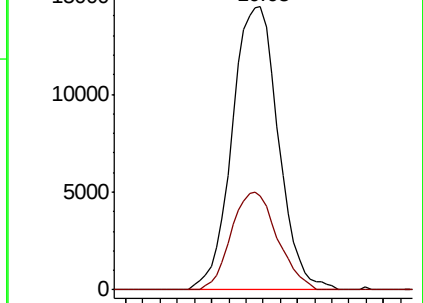
76 100

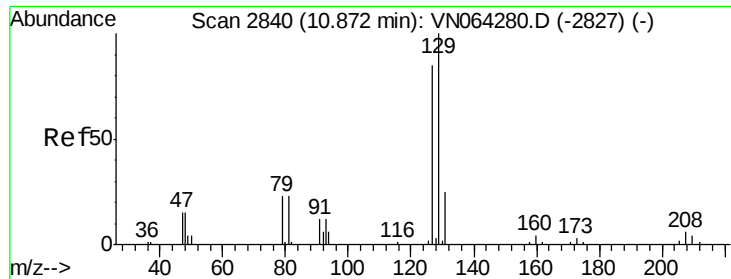
78 34.5 0.0 64.6



Abundance Ion 76.00 (75.70 to 76.70): VN064279.D (-2624) (-)

Ion 78.00 (77.70 to 78.70): VN064279.D (-2624) (-)





#53

Dibromochloromethane

Concen: 4.805 ug/l

RT: 10.87 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

Instrument :

MSVOA_N

ClientSampleId :

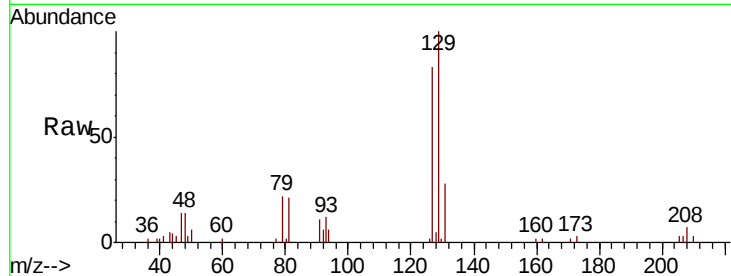
VSTDIC005

Tot Ion:129 Resp: 18257

Ion Ratio Lower Upper

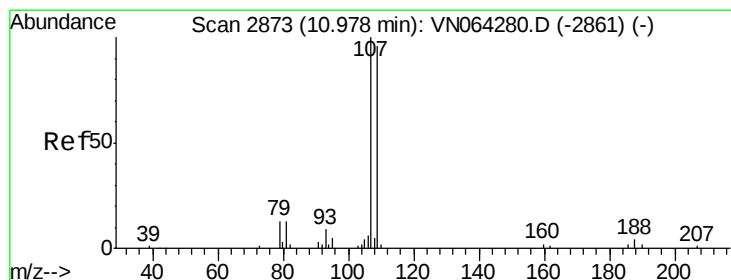
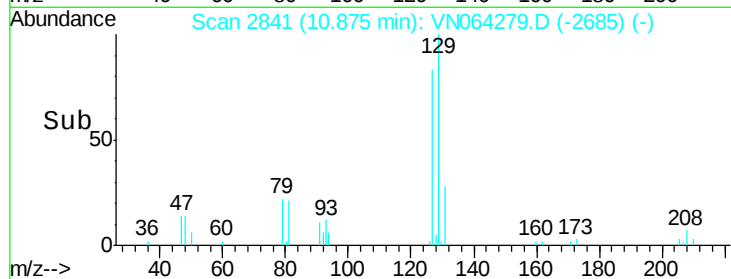
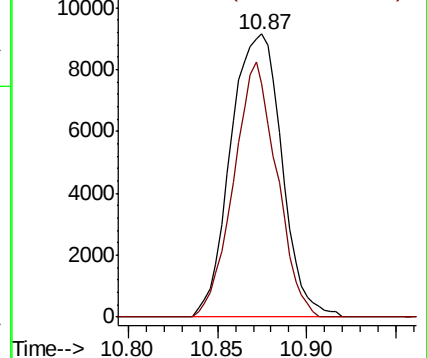
129 100

127 75.9 42.4 127.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 4.958 ug/l

RT: 10.97 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN064279.D

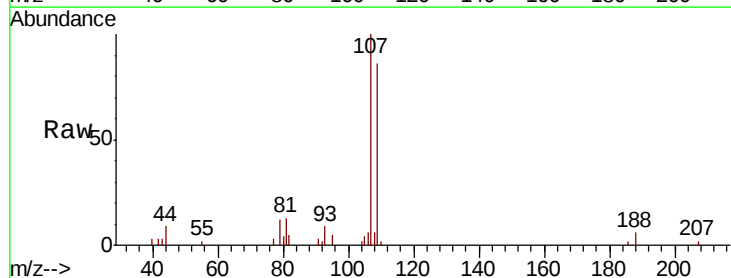
Acq: 23 Oct 2020 9:58

Tgt Ion:107 Resp: 16062

Ion Ratio Lower Upper

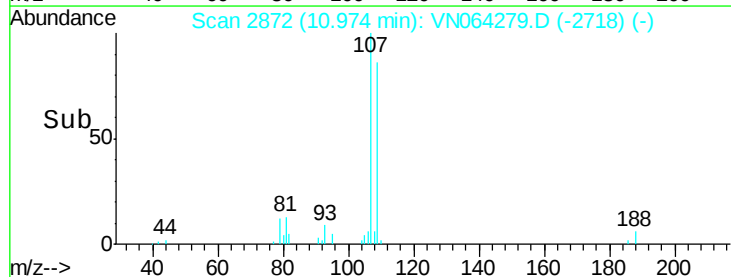
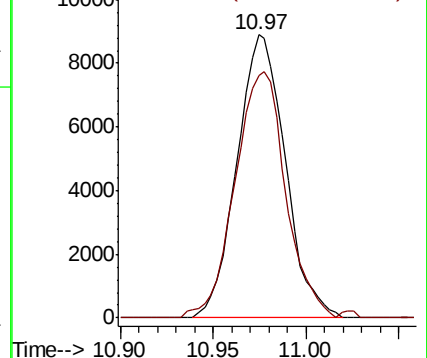
107 100

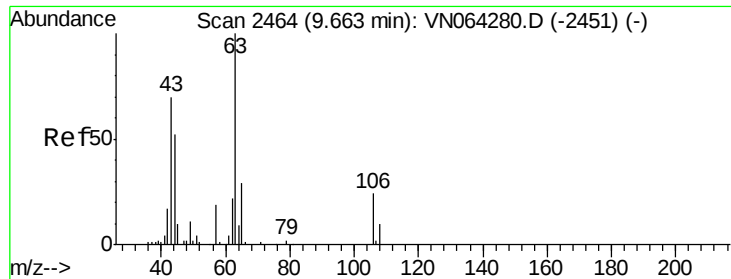
109 91.1 75.7 113.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 29.444 ug/l

RT: 9.66 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

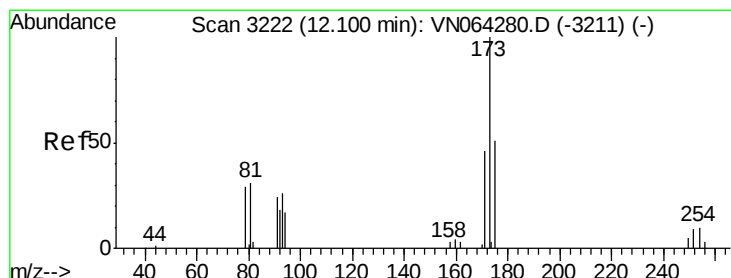
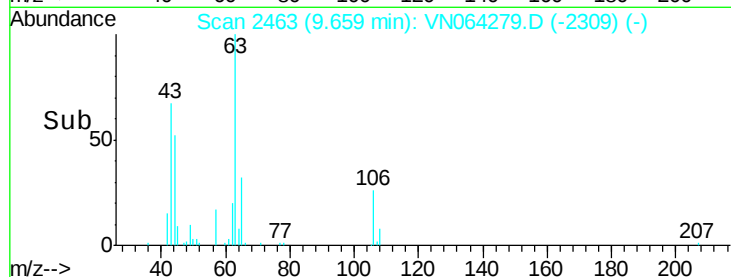
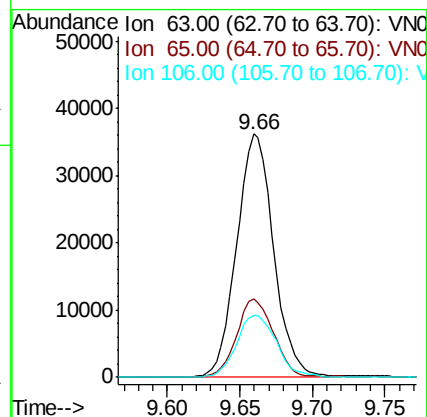
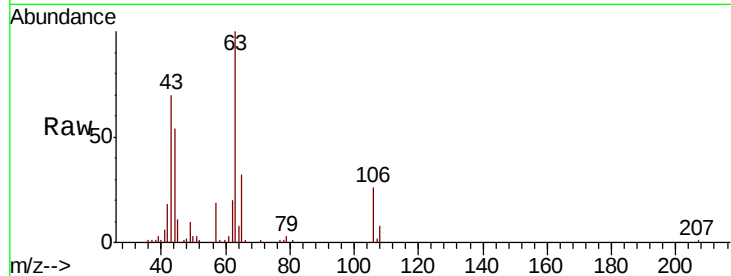
Tot Ion: 63 Resp: 64193

Ion Ratio Lower Upper

63 100

65 32.0 25.2 37.8

106 27.6 20.6 31.0



#56

Bromoform

Concen: 4.898 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

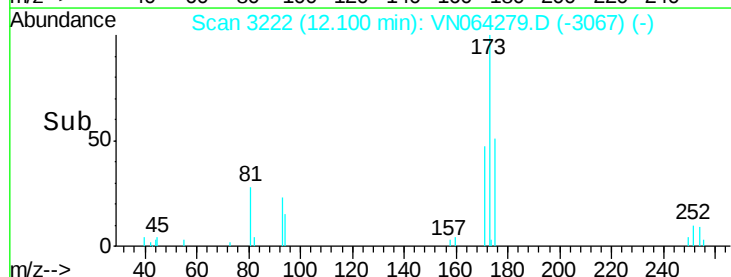
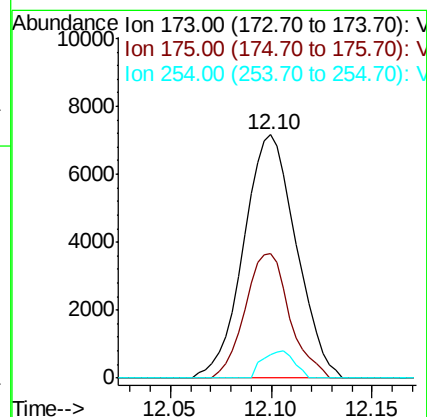
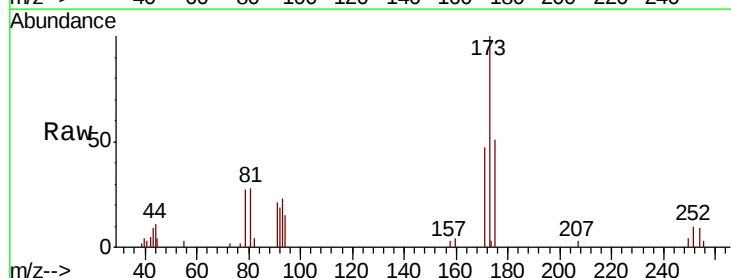
Tgt Ion: 173 Resp: 13034

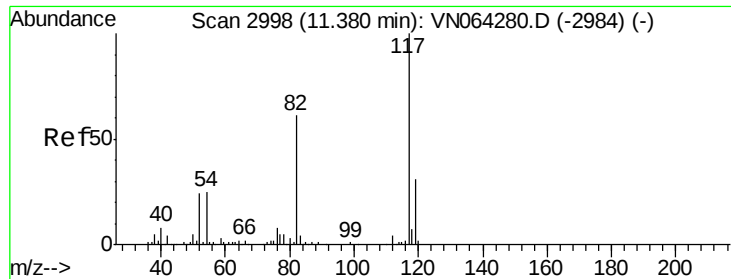
Ion Ratio Lower Upper

173 100

175 43.5 39.5 59.3

254 6.7 5.0 7.4

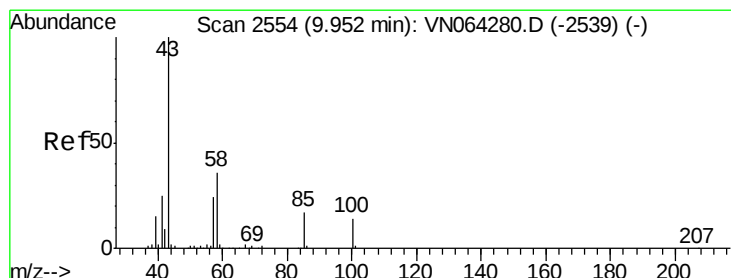
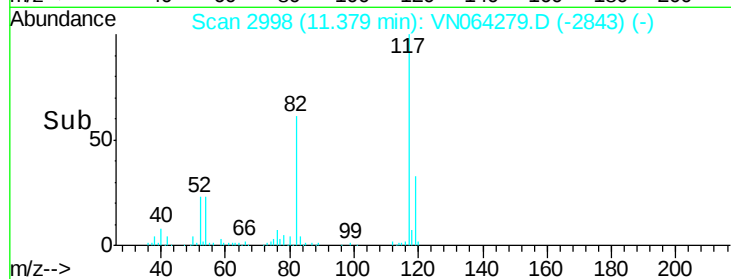
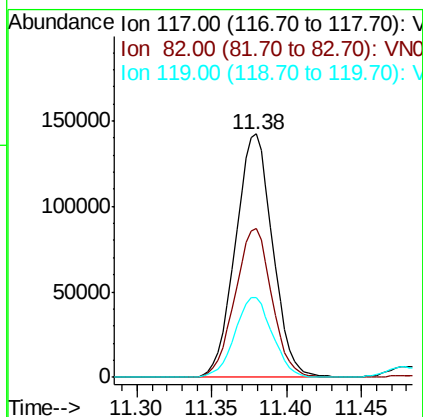
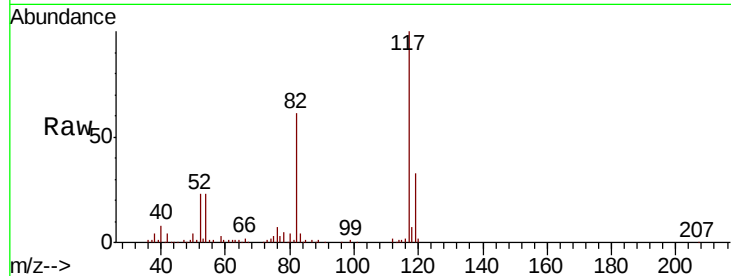




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

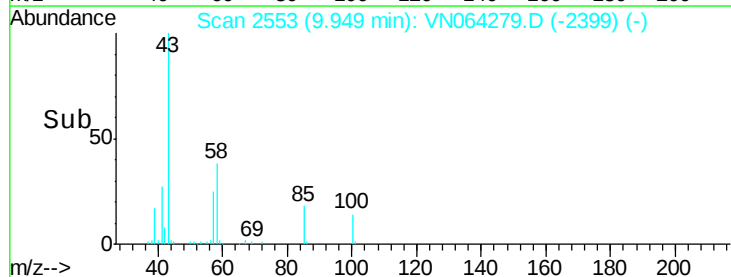
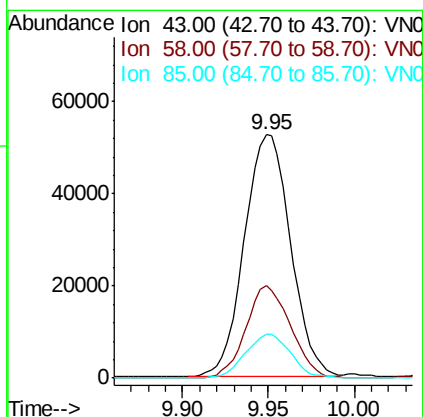
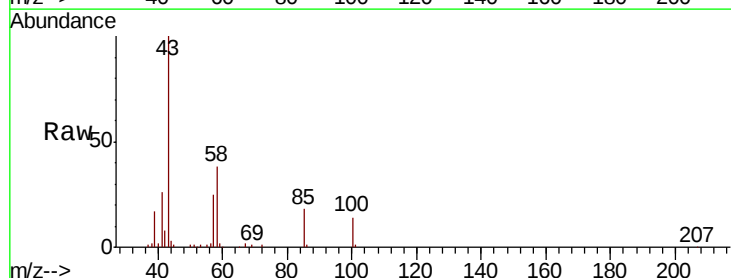
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

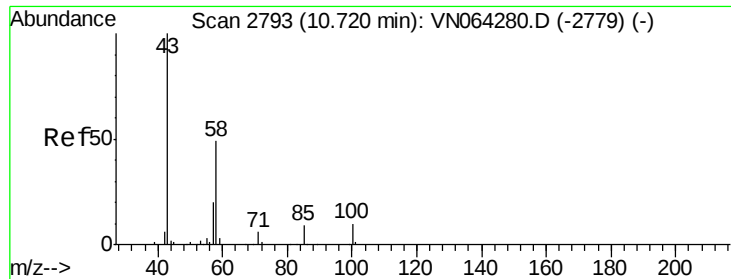
Tot Ion	Ratio	Lower	Upper
117	100		
82	60.5	47.0	70.6
119	32.9	24.6	37.0



#58
4-Methyl-2-Pentanone
Concen: 24.049 ug/l
RT: 9.95 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.8	28.6	43.0
85	17.8	13.7	20.5

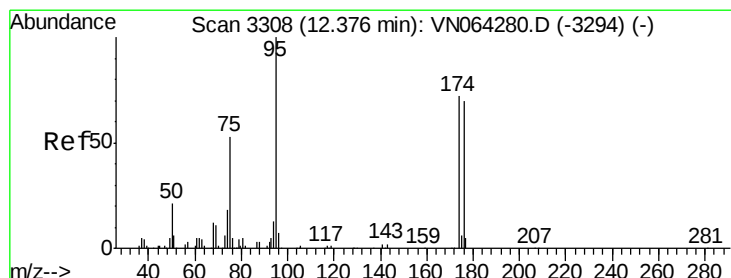
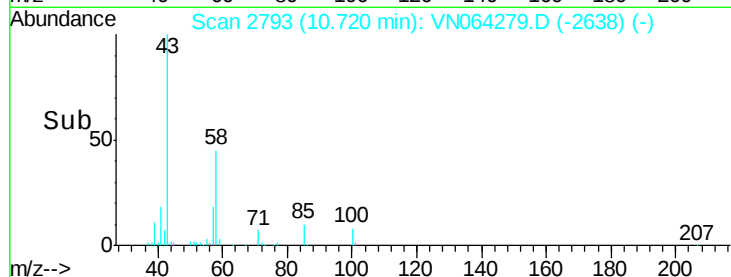
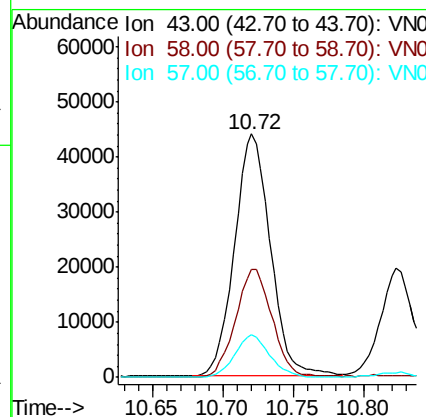
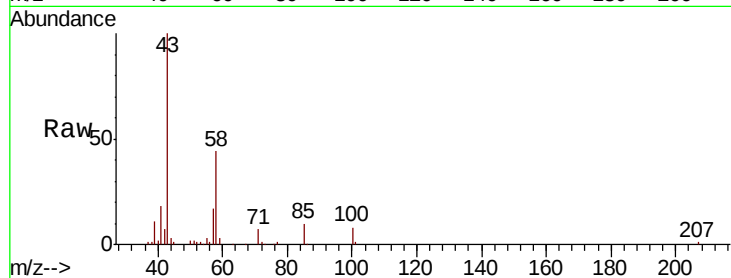




#59
2-Hexanone
Concen: 25.962 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

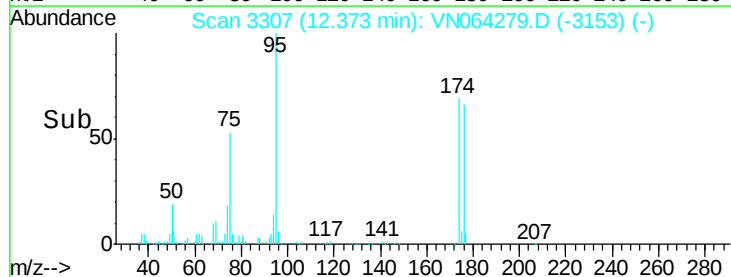
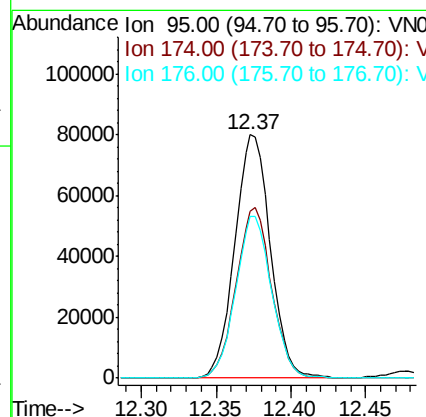
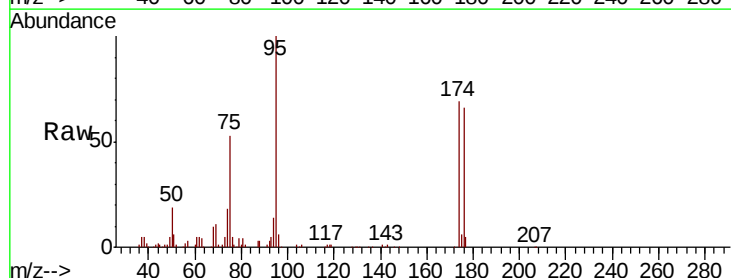
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

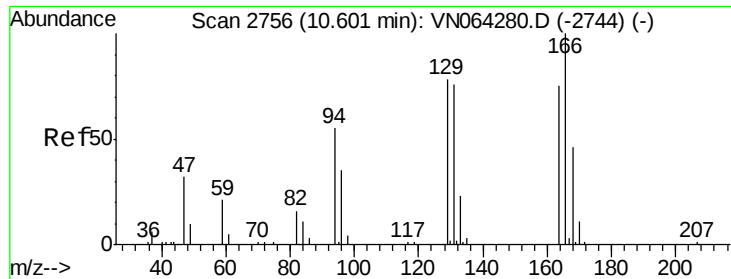
Tot Ion	Ratio	Lower	Upper
43	100		
58	45.4	40.5	60.7
57	17.1	15.4	23.0



#60
4-Bromofluorobenzene
Concen: 30.224 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	69.9	57.9	86.9
176	67.2	56.7	85.1





#61

Tetrachloroethene

Concen: 5.407 ug/l

RT: 10.60 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:164 Resp: 17489

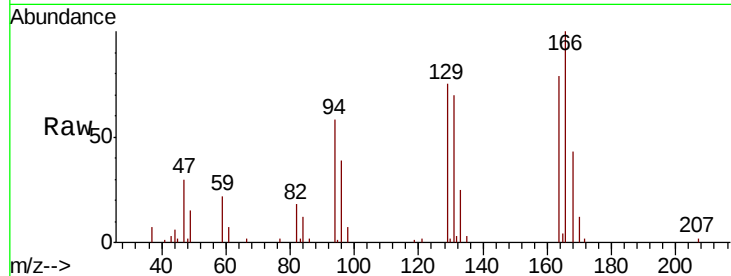
Ion Ratio Lower Upper

164 100

166 127.4 107.4 161.0

129 95.4 84.3 126.5

131 88.7 81.1 121.7



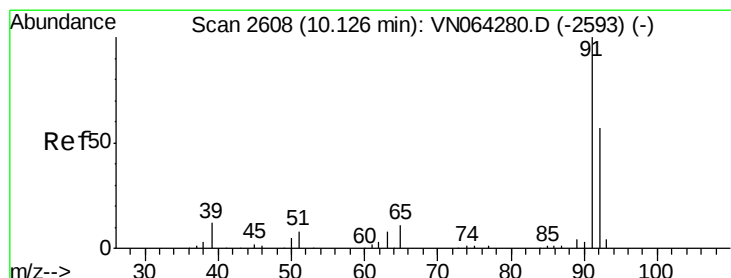
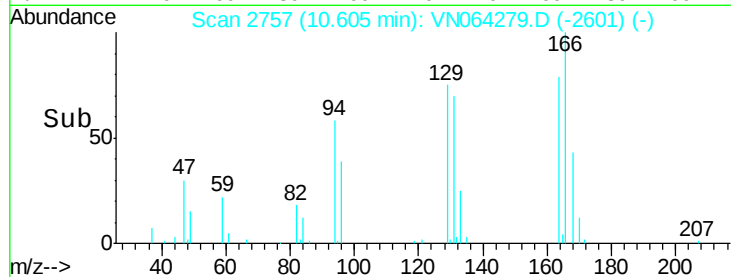
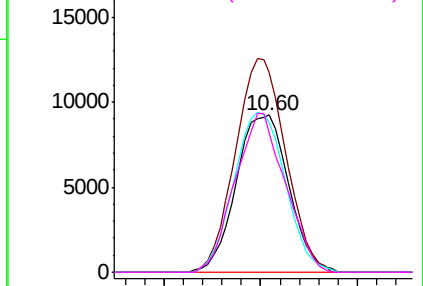
Abundance

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: 5.014 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064279.D

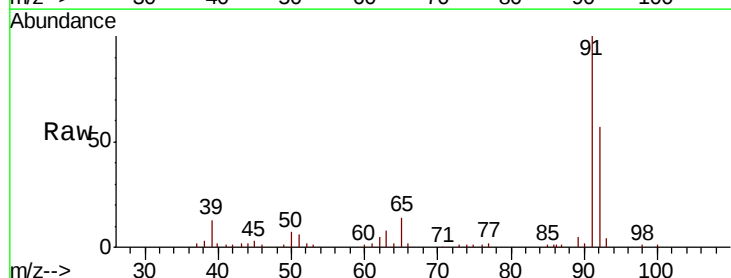
Acq: 23 Oct 2020 9:58

Tgt Ion: 91 Resp: 68369

Ion Ratio Lower Upper

91 100

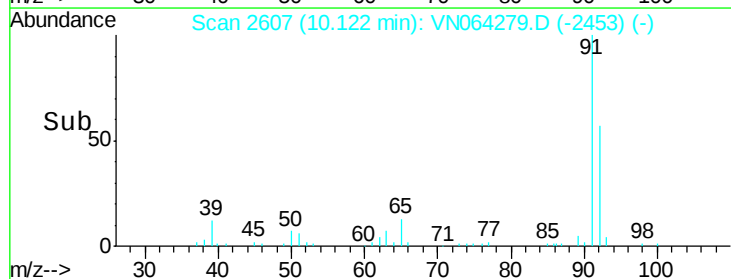
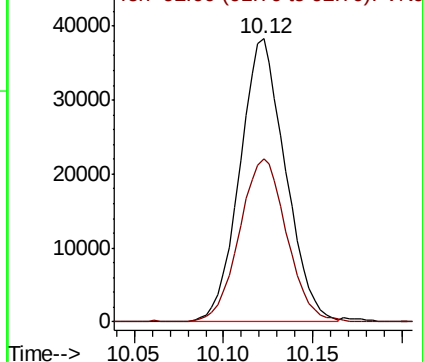
92 59.7 46.4 69.6

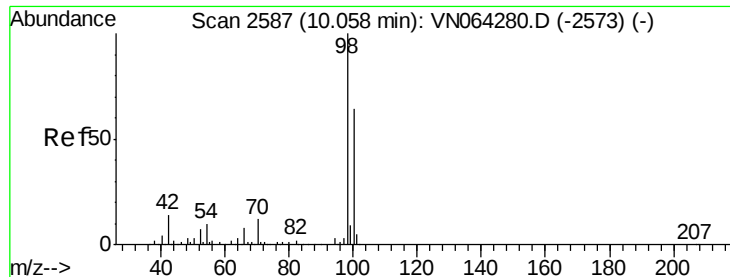


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 29.660 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

Instrument :

MSVOA_N

ClientSampleId :

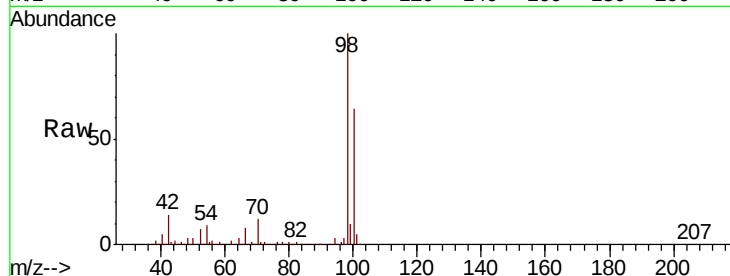
VSTDIC005

Tot Ion: 98 Resp: 330516

Ion Ratio Lower Upper

98 100

100 65.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN064280.D (-2573) (-)

Ion 100.00 (99.70 to 100.70): VN064280.D (-2573) (-)

10.06

200000

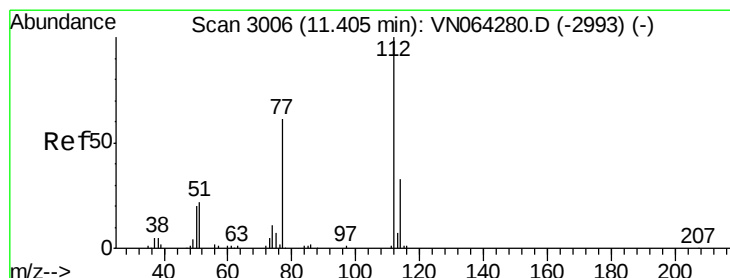
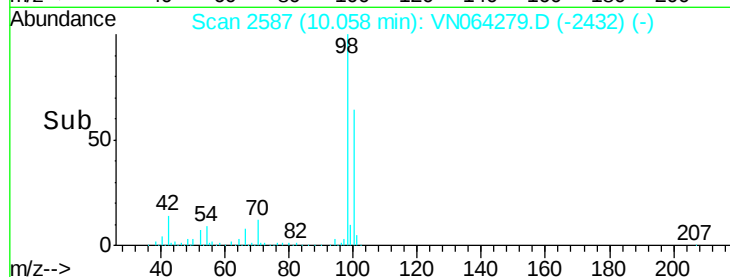
150000

100000

50000

0

Time-->



#64

Chlorobenzene

Concen: 4.820 ug/l

RT: 11.40 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VN064279.D

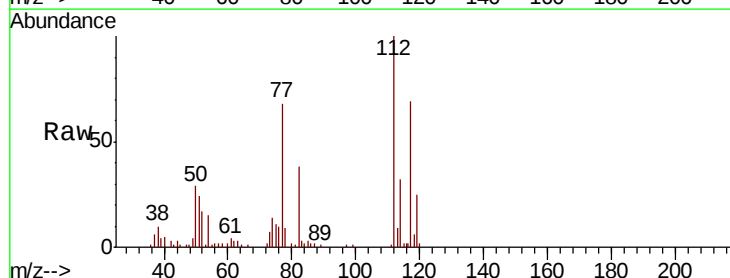
Acq: 23 Oct 2020 9:58

Tgt Ion: 112 Resp: 40844

Ion Ratio Lower Upper

112 100

114 32.3 26.5 39.7



Abundance Ion 112.00 (111.70 to 112.70): VN064280.D (-2993) (-)

Ion 114.00 (113.70 to 114.70): VN064280.D (-2993) (-)

11.40

25000

20000

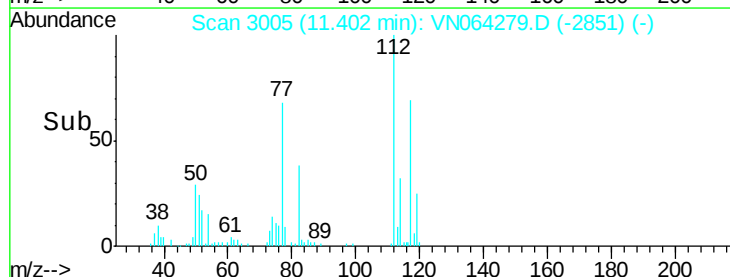
15000

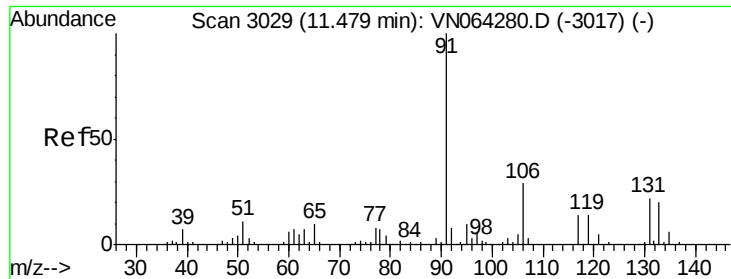
10000

5000

0

Time-->

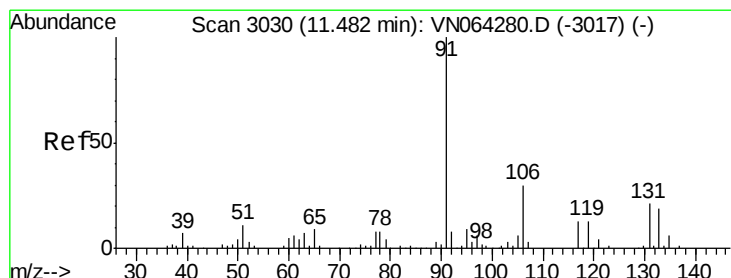
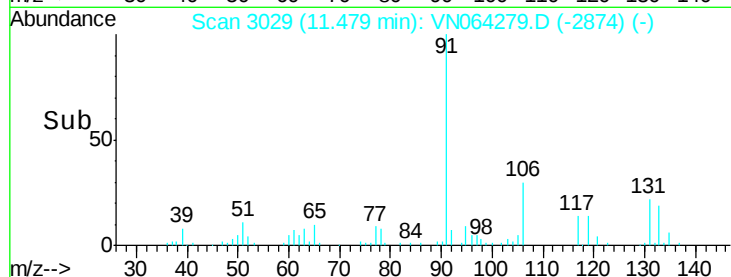
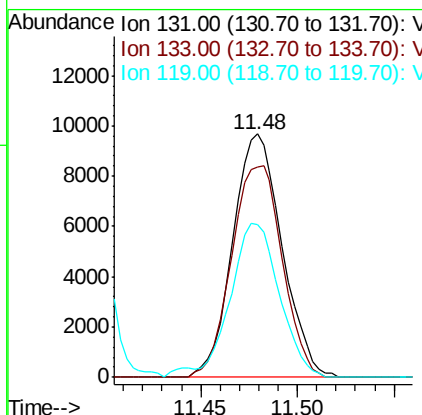
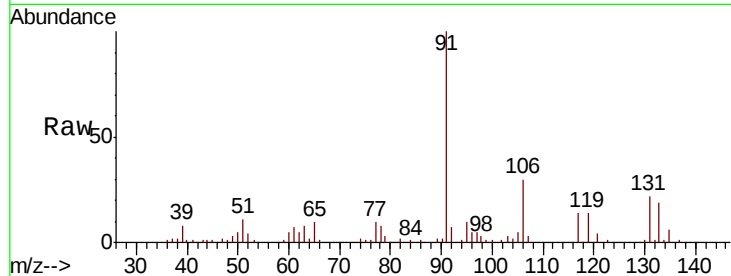




#65
1,1,1,2-Tetrachloroethane
Concen: 5.130 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

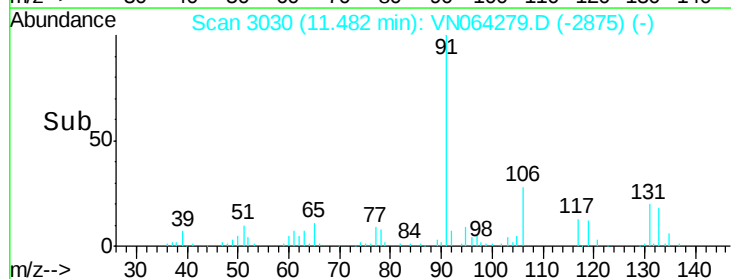
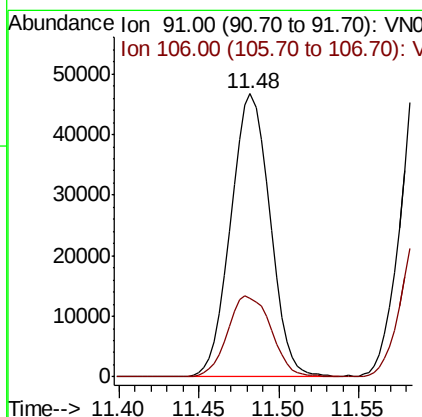
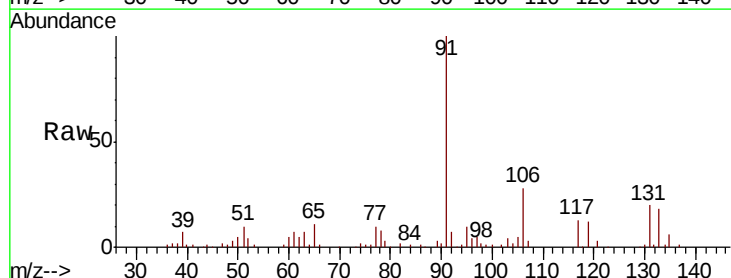
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

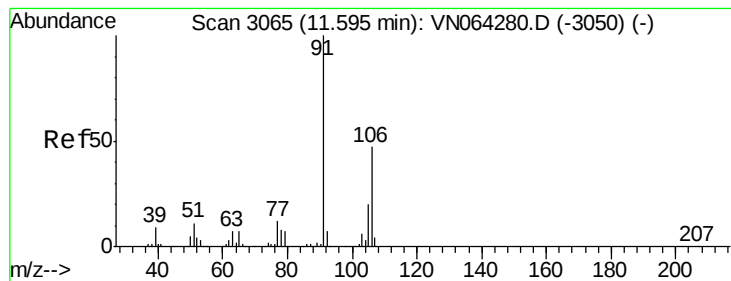
Tot Ion:131 Resp: 17134
Ion Ratio Lower Upper
131 100
133 89.5 0.0 193.4
119 62.2 0.0 125.2



#66
Ethyl Benzene
Concen: 5.016 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Tgt Ion: 91 Resp: 78392
Ion Ratio Lower Upper
91 100
106 27.7 23.8 35.6





#67

m/p-Xylenes

Concen: 9.766 ug/l

RT: 11.59 min Scan# 3064

Delta R.T. -0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

Instrument :

MSVOA_N

ClientSampleId :

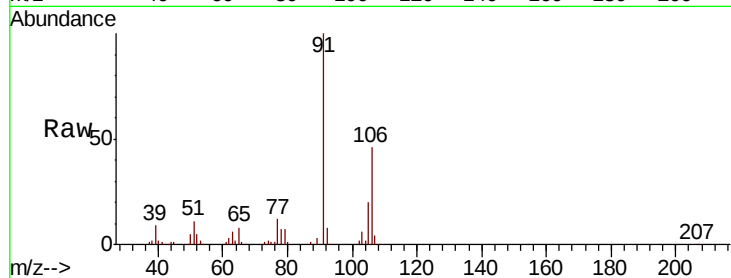
VSTDIC005

Tot Ion:106 Resp: 56860

Ion Ratio Lower Upper

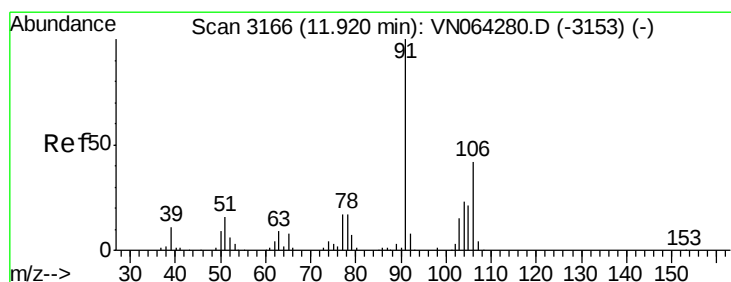
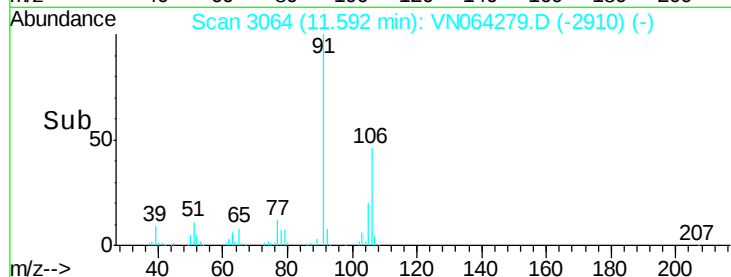
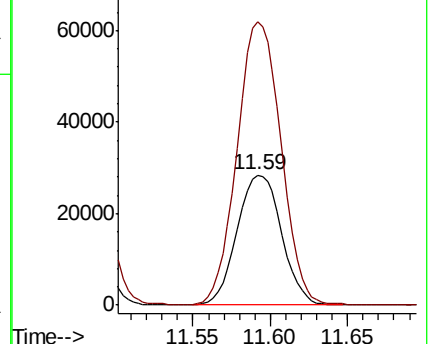
106 100

91 215.1 170.6 255.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 4.966 ug/l

RT: 11.92 min Scan# 3166

Delta R.T. -0.00 min

Lab File: VN064279.D

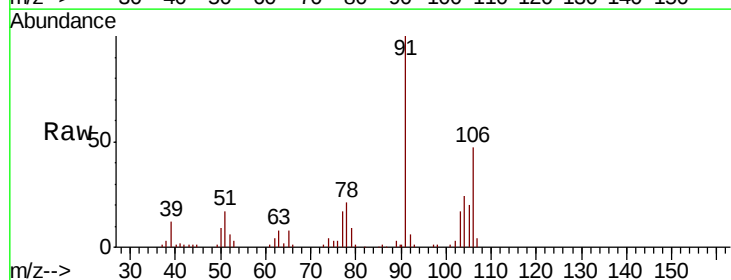
Acq: 23 Oct 2020 9:58

Tgt Ion:106 Resp: 28044

Ion Ratio Lower Upper

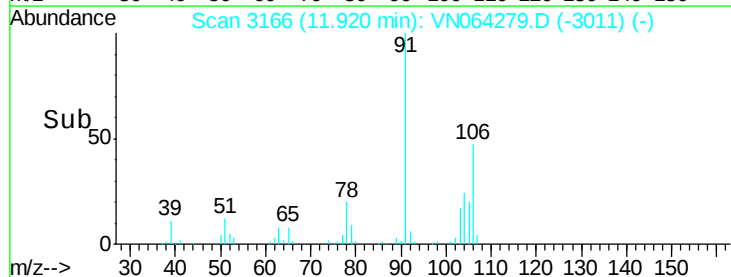
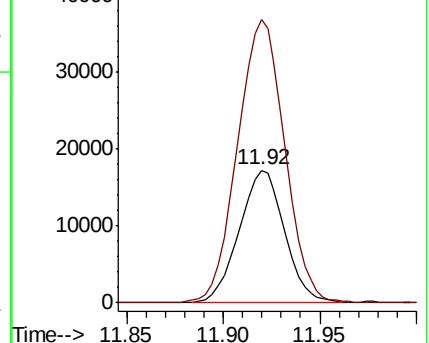
106 100

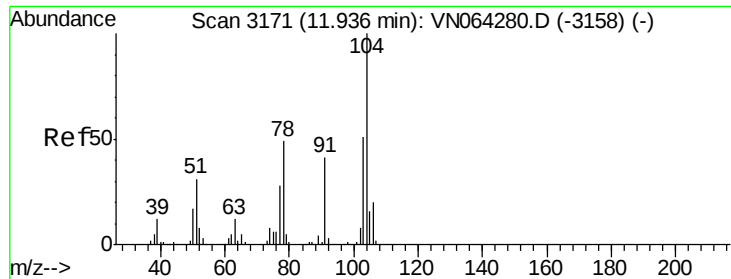
91 222.0 115.3 346.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

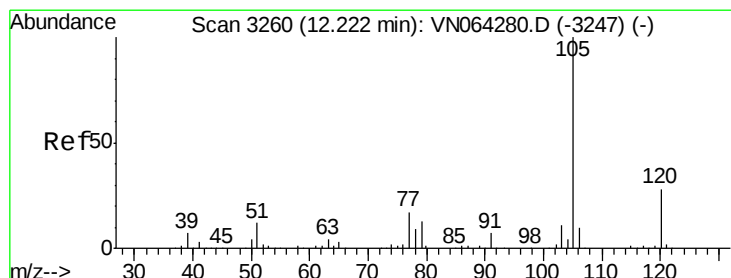
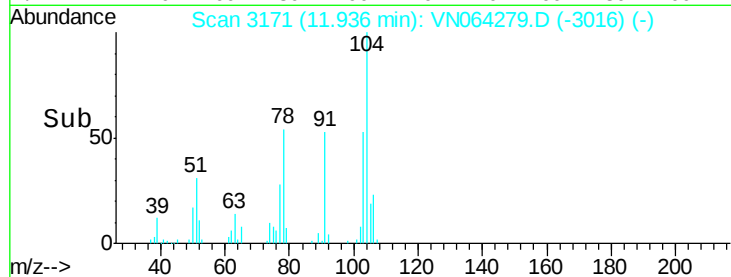
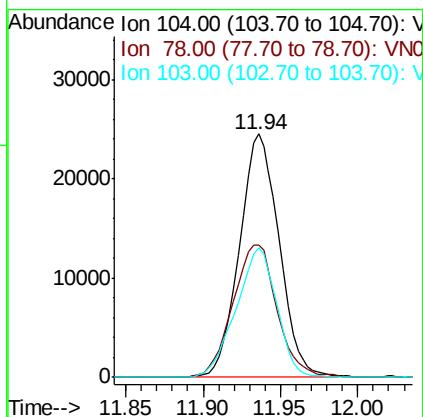
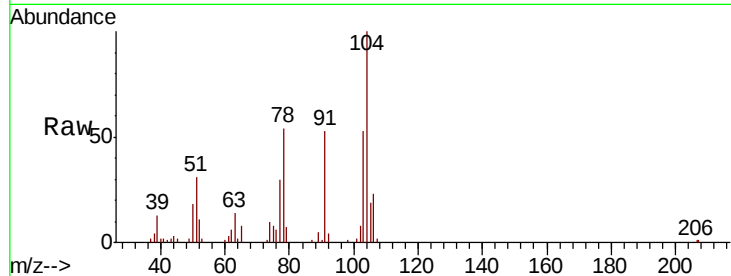




#69
Stvrene
Concen: 4.588 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

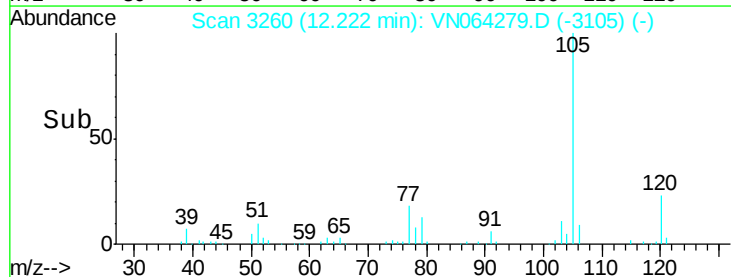
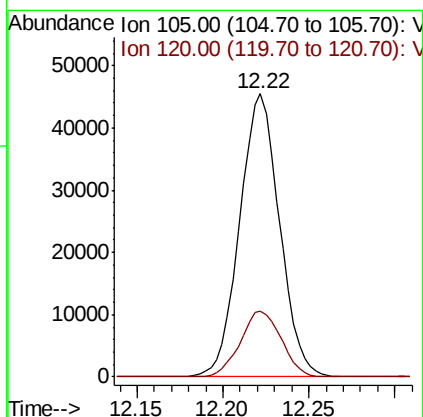
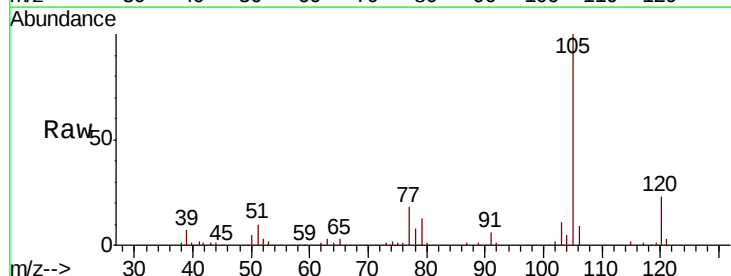
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

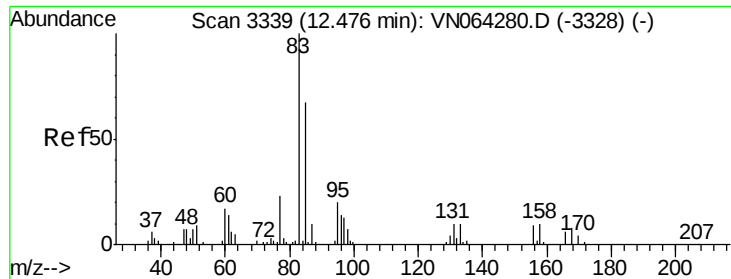
Tot Ion:104 Resp: 43695
Ion Ratio Lower Upper
104 100
78 60.4 45.4 68.2
103 54.5 44.6 67.0



#70
Isopropylbenzene
Concen: 4.909 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Tgt Ion:105 Resp: 73066
Ion Ratio Lower Upper
105 100
120 23.7 18.6 34.5

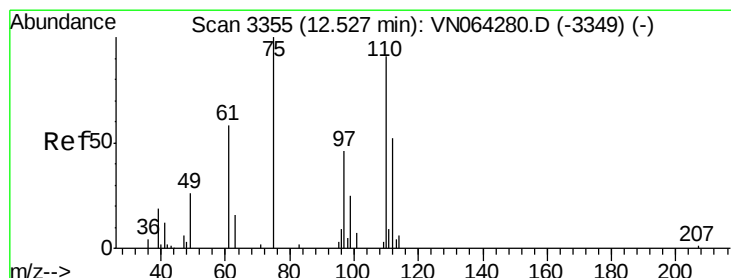
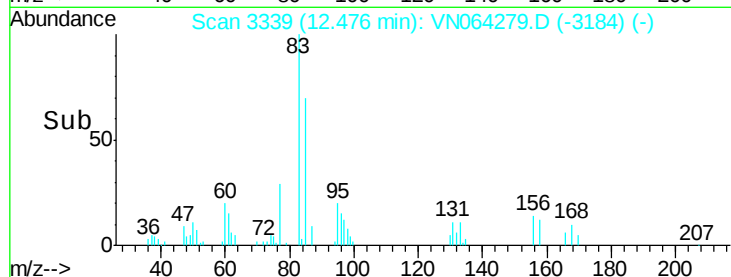
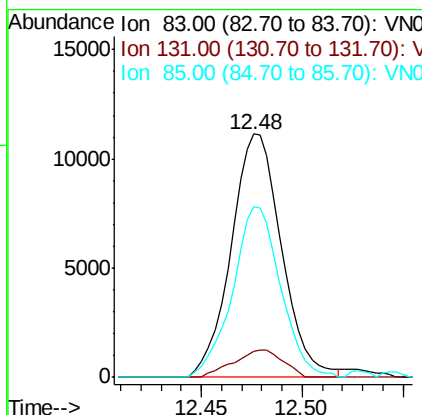
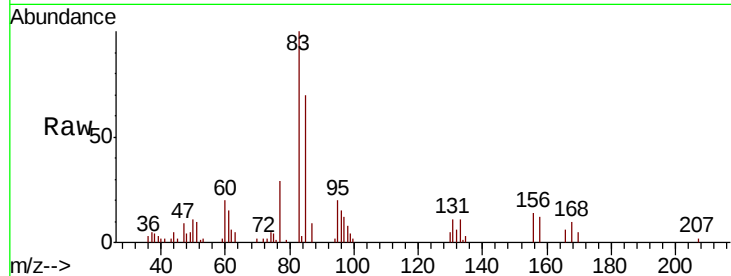




#71
 1,1,2,2-Tetrachloroethane
 Concen: 4.762 ug/l
 RT: 12.48 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VN064279.D
 Acq: 23 Oct 2020 9:58

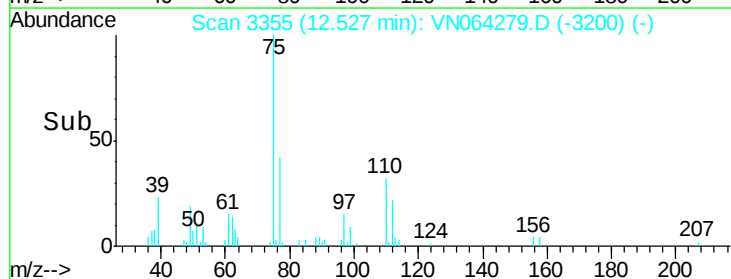
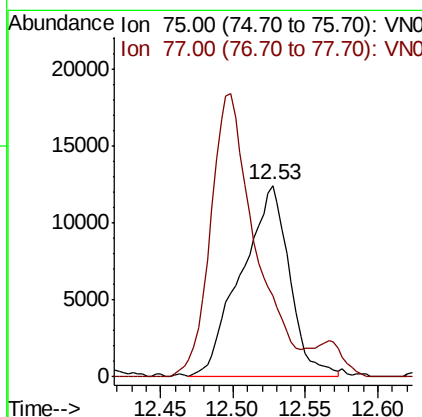
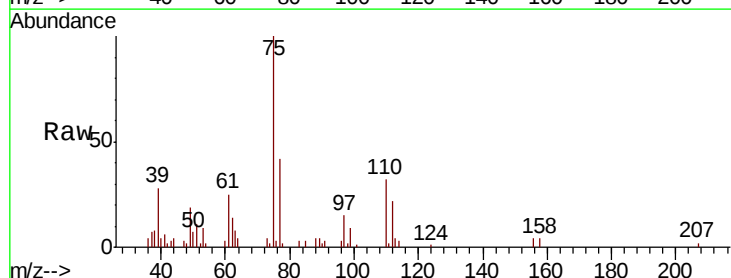
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

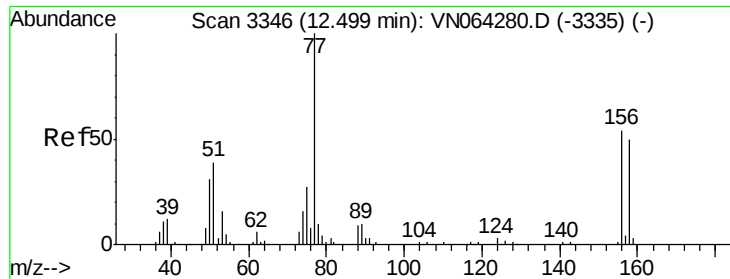
Tot Ion	83	Resp	19470
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.7	17.0
85	66.7	33.3	99.8



#72
 1,2,3-Trichloropropane
 Concen: 6.700 ug/l
 RT: 12.53 min Scan# 3355
 Delta R.T. -0.00 min
 Lab File: VN064279.D
 Acq: 23 Oct 2020 9:58

Tgt Ion	75	Resp	28858
Ion Ratio	Lower	Upper	
75	100		
77	136.3	0.0	365.2





#73

Bromobenzene

Concen: 4.886 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

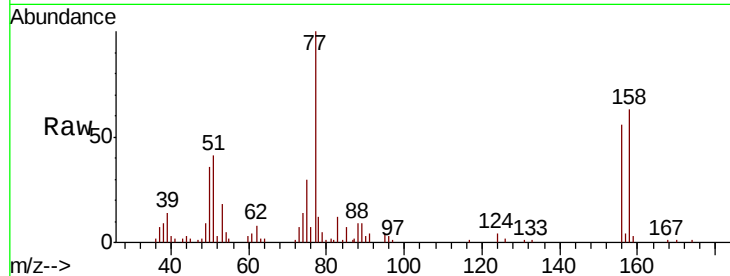
Tot Ion:156 Resp: 17472

Ion Ratio Lower Upper

156 100

77 225.0 0.0 450.2

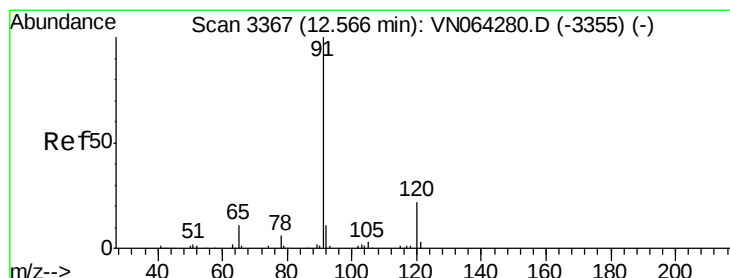
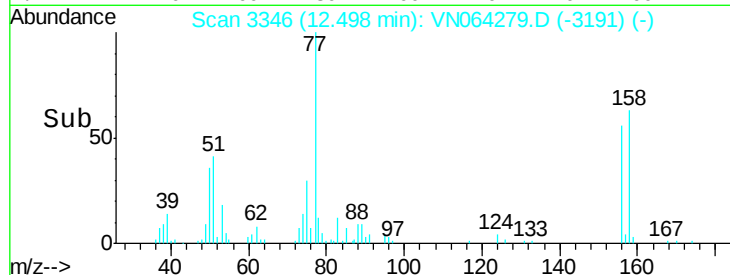
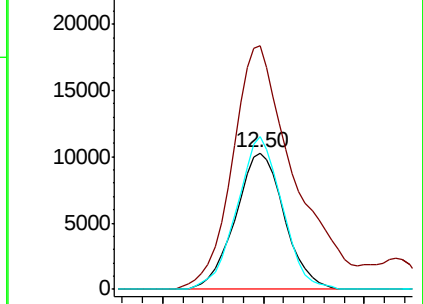
158 103.9 0.0 194.8



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: 4.776 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN064279.D

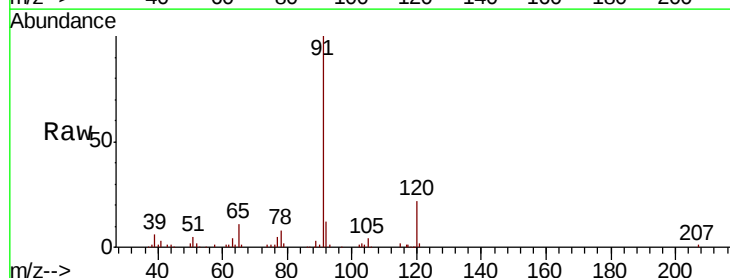
Acq: 23 Oct 2020 9:58

Tgt Ion: 91 Resp: 81410

Ion Ratio Lower Upper

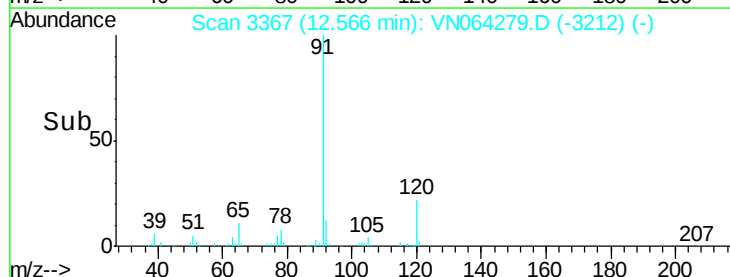
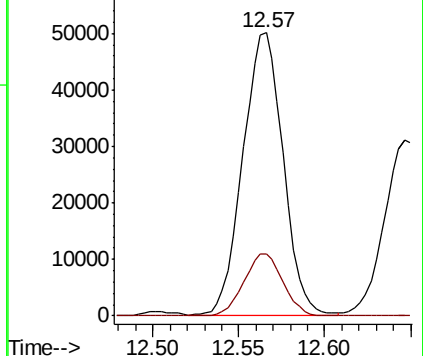
91 100

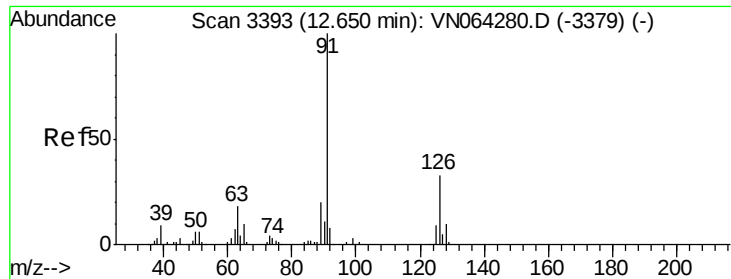
120 21.2 0.0 43.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 5.003 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

Instrument :

MSVOA_N

ClientSampleId :

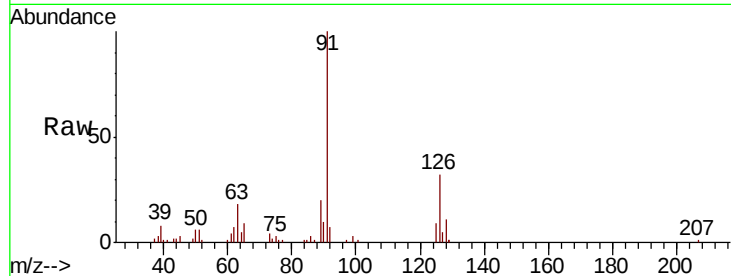
VSTDIC005

Tot Ion: 91 Resp: 52639

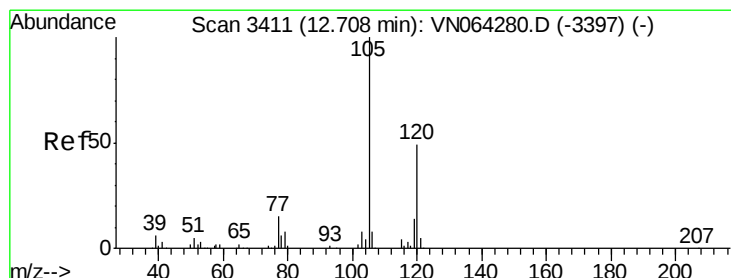
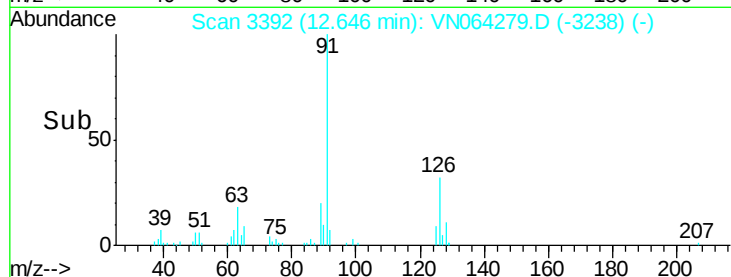
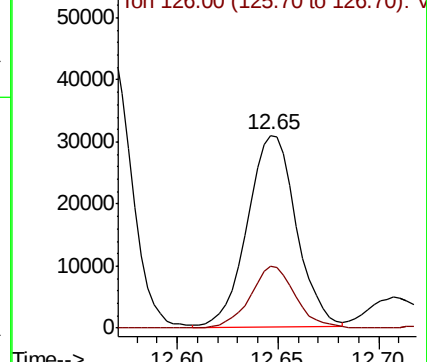
Ion Ratio Lower Upper

91 100

126 29.4 0.0 62.8



Abundance Ion 91.00 (90.70 to 91.70): VN064280.D (-3379) (-)



#76

1,3,5-Trimethylbenzene

Concen: 4.841 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064279.D

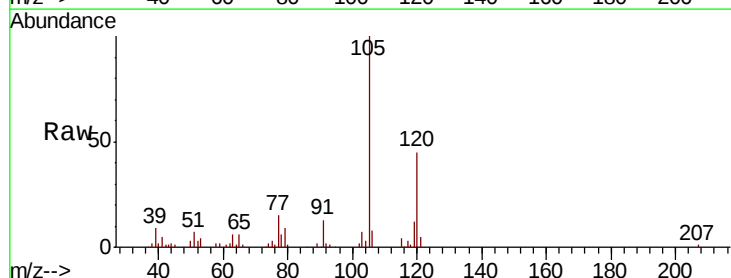
Acq: 23 Oct 2020 9:58

Tgt Ion: 105 Resp: 61423

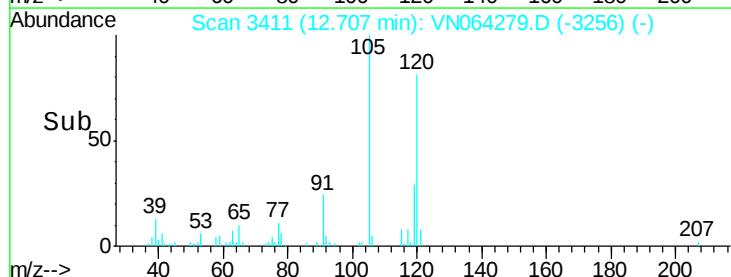
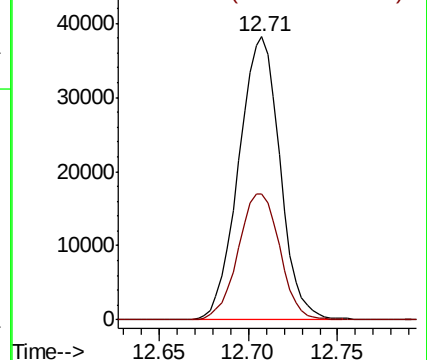
Ion Ratio Lower Upper

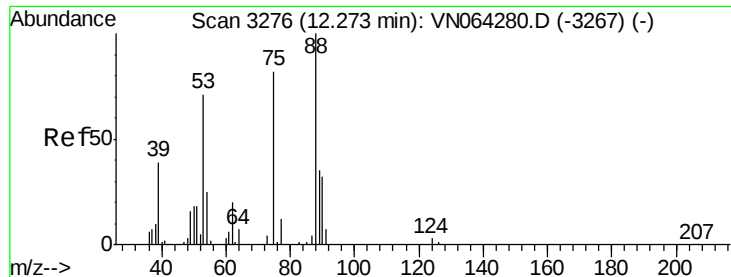
105 100

120 44.9 0.0 92.8



Abundance Ion 105.00 (104.70 to 105.70): VN064280.D (-3397) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 4.175 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

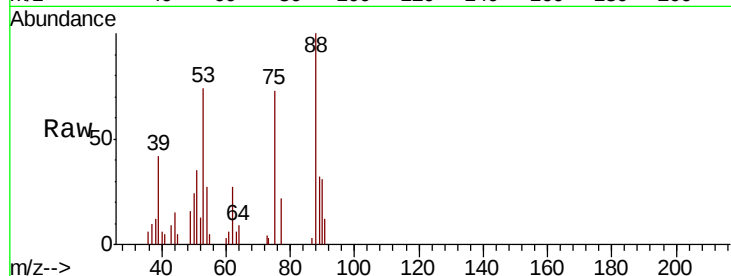
Tot Ion: 75 Resp: 6988

Ion Ratio Lower Upper

75 100

53 101.2 44.8 134.3

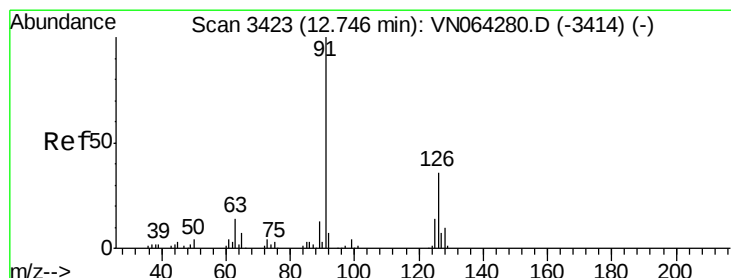
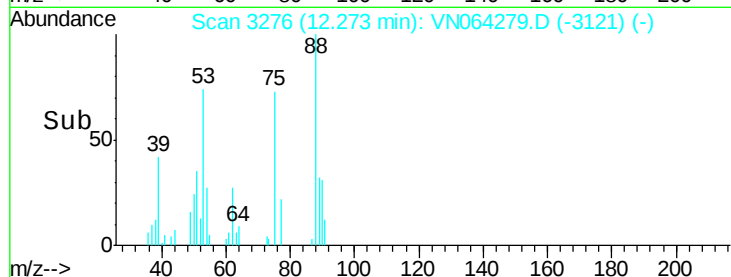
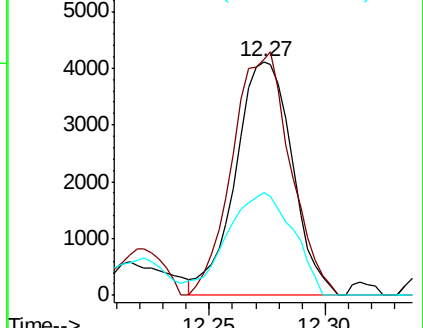
89 44.0 22.2 66.6



Abundance Ion 75.00 (74.70 to 75.70): VN064279.D (-3121) (-)

Ion 53.00 (52.70 to 53.70): VN064279.D (-3121) (-)

Ion 89.00 (88.70 to 89.70): VN064279.D (-3121) (-)



#78

4-Chlorotoluene

Concen: 4.611 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN064279.D

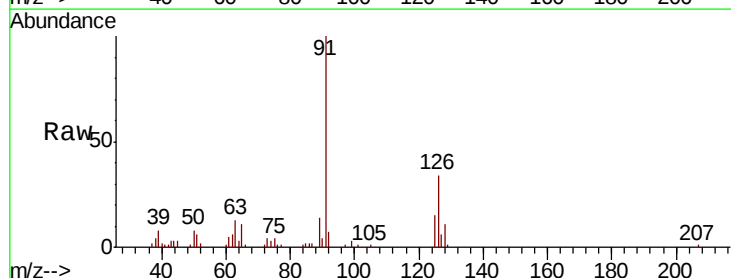
Acq: 23 Oct 2020 9:58

Tgt Ion: 91 Resp: 50951

Ion Ratio Lower Upper

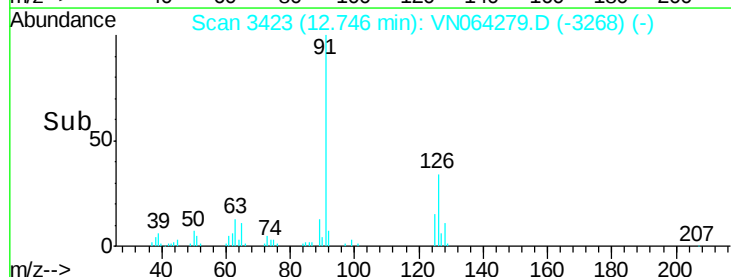
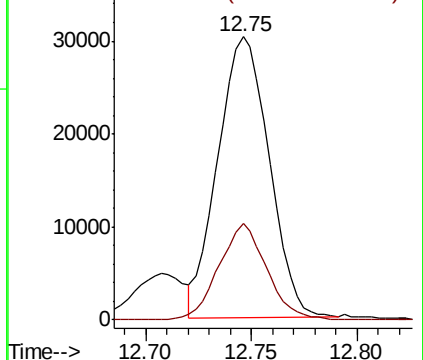
91 100

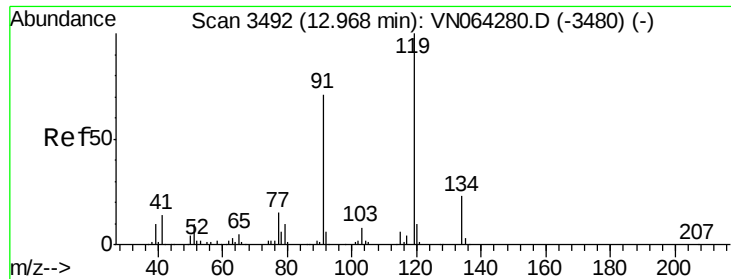
126 32.0 0.0 62.2



Abundance Ion 91.00 (90.70 to 91.70): VN064279.D (-3268) (-)

Ion 126.00 (125.70 to 126.70): VN064279.D (-3268) (-)





#79

tert-butylbenzene

Concen: 4.767 ug/l

RT: 12.96 min Scan# 3491

Delta R.T. -0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

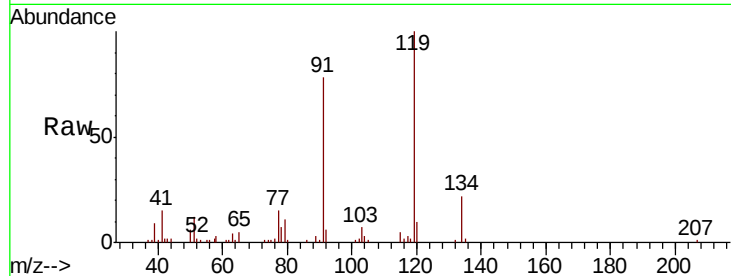
Tot Ion:119 Resp: 49509

Ion Ratio Lower Upper

119 100

91 75.7 0.0 140.0

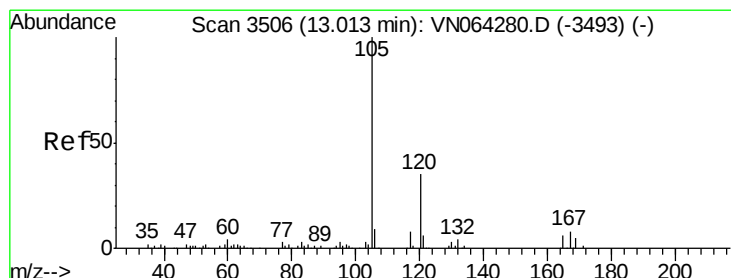
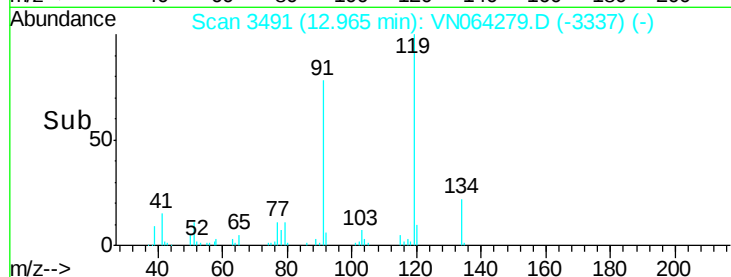
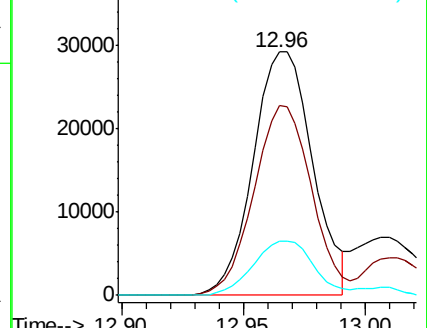
134 22.6 0.0 45.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 4.802 ug/l

RT: 13.01 min Scan# 3506

Delta R.T. -0.00 min

Lab File: VN064279.D

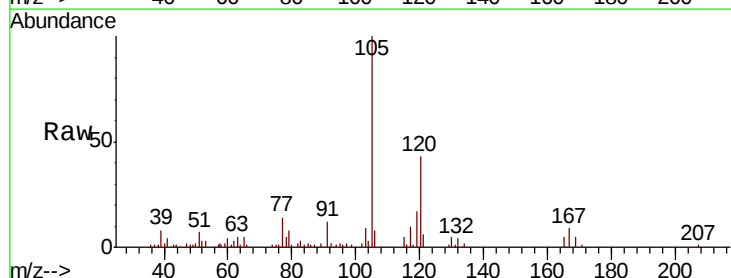
Acq: 23 Oct 2020 9:58

Tgt Ion:105 Resp: 61534

Ion Ratio Lower Upper

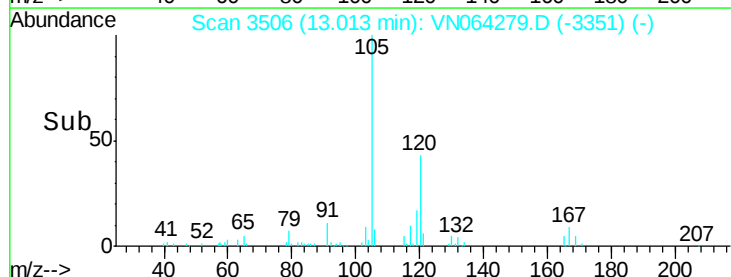
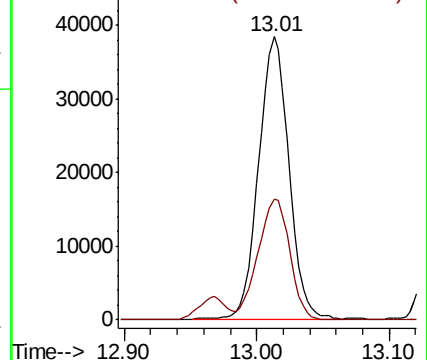
105 100

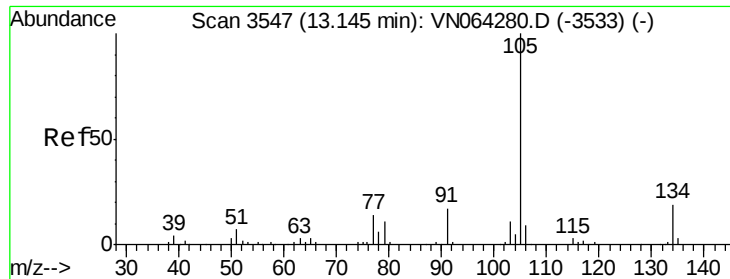
120 44.3 0.0 87.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

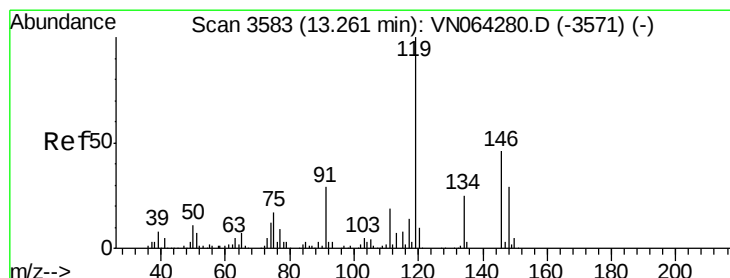
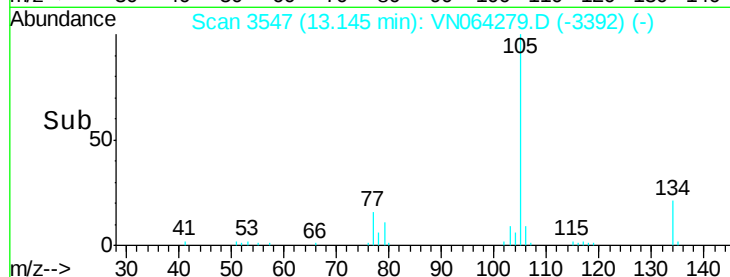
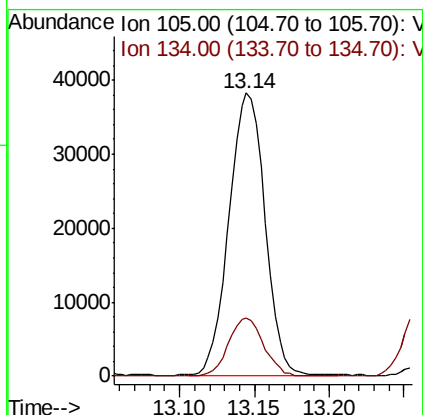
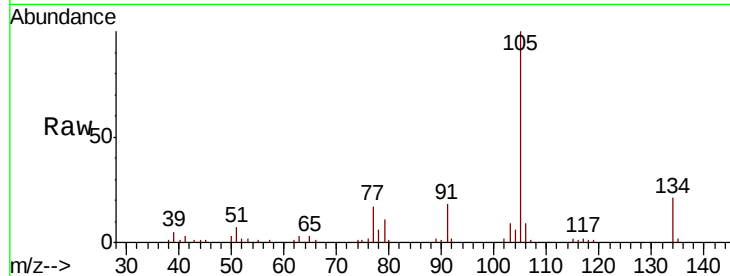




#81
 sec-Butylbenzene
 Concen: 4.815 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064279.D
 Acq: 23 Oct 2020 9:58

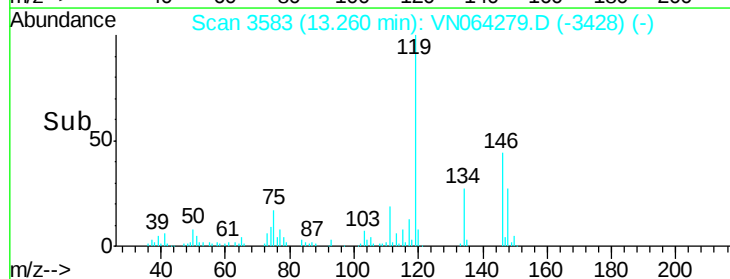
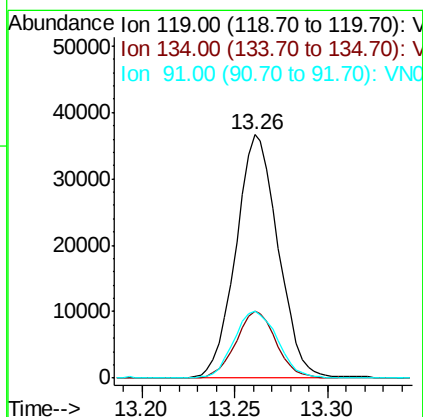
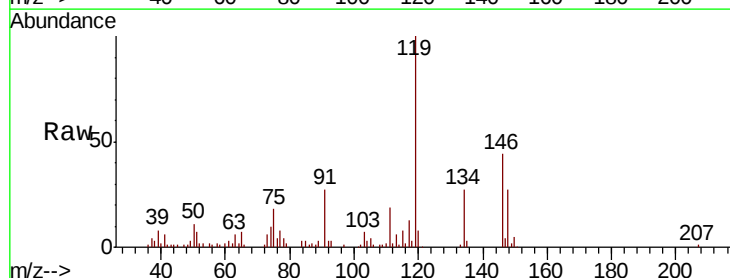
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

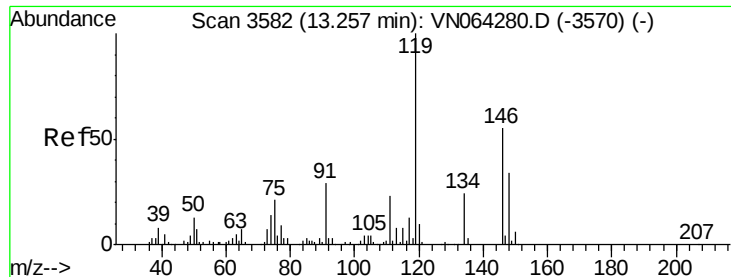
Tot Ion:105 Resp: 64589
 Ion Ratio Lower Upper
 105 100
 134 19.8 0.0 36.8



#82
 p-Isopropyltoluene
 Concen: 4.650 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN064279.D
 Acq: 23 Oct 2020 9:58

Tgt Ion:119 Resp: 57875
 Ion Ratio Lower Upper
 119 100
 134 26.0 0.0 47.8
 91 28.3 0.0 55.8

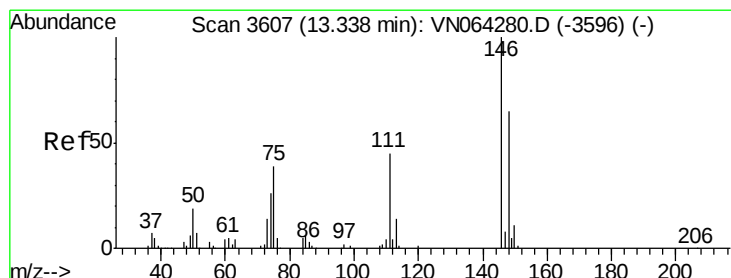
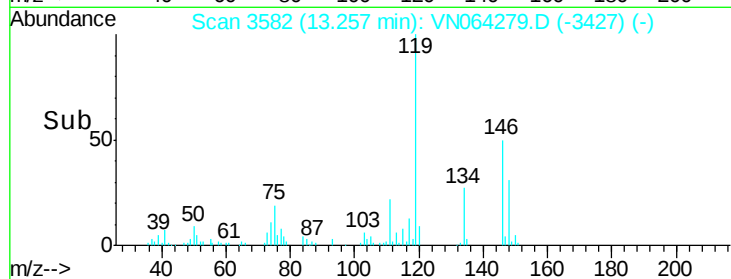
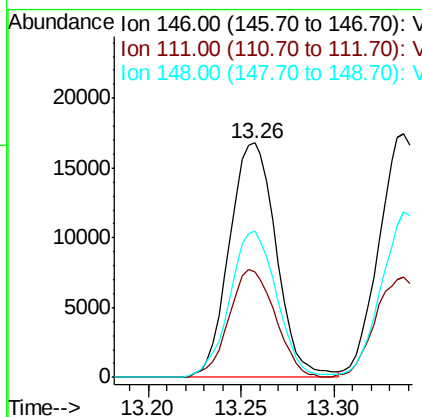
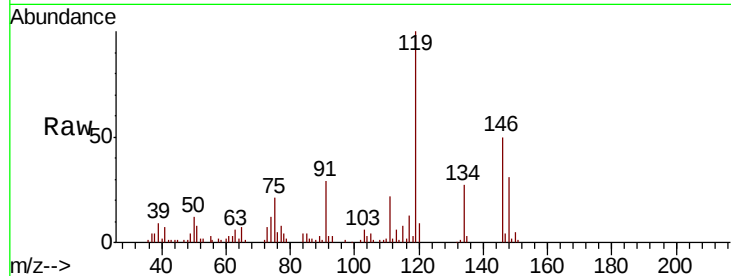




#83
 1,3-Dichlorobenzene
 Concen: 4.568 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN064279.D
 Acq: 23 Oct 2020 9:58

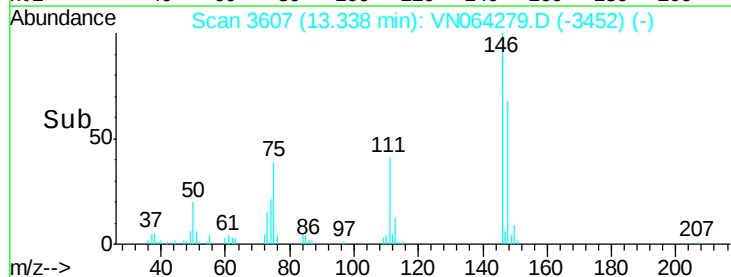
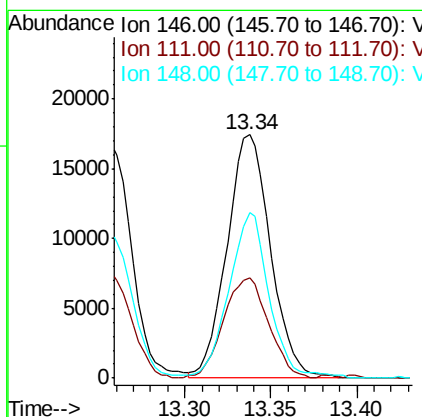
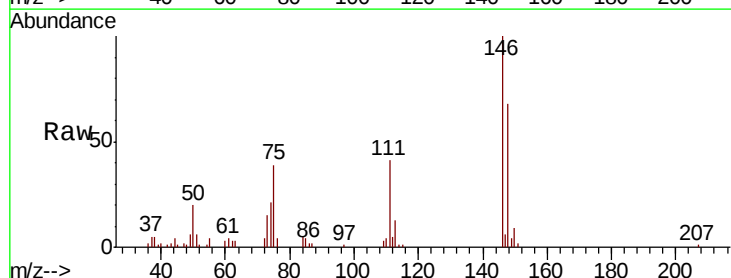
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

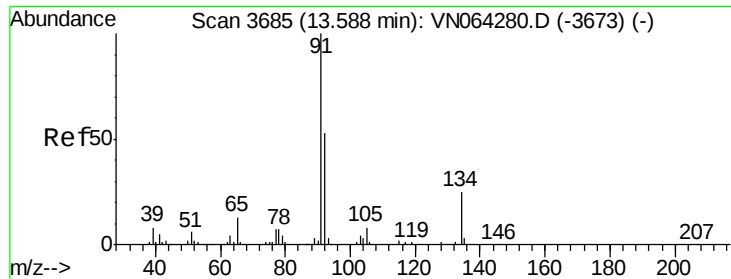
Tot Ion:146 Resp: 29491
 Ion Ratio Lower Upper
 146 100
 111 45.3 22.1 66.5
 148 62.3 31.9 95.5



#84
 1,4-Dichlorobenzene
 Concen: 4.808 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN064279.D
 Acq: 23 Oct 2020 9:58

Tgt Ion:146 Resp: 30887
 Ion Ratio Lower Upper
 146 100
 111 42.5 20.3 61.0
 148 62.6 31.4 94.3

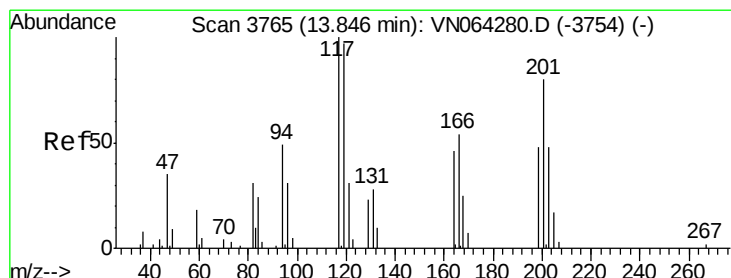
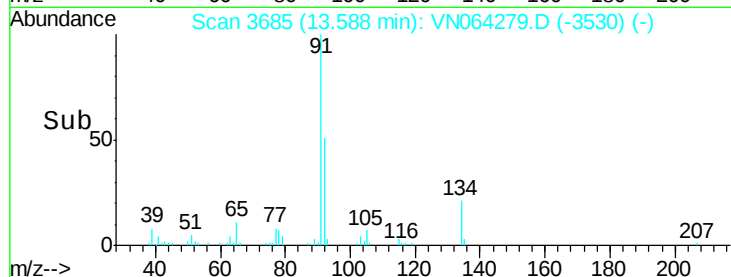
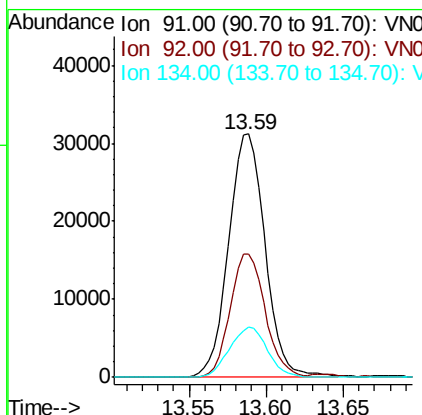
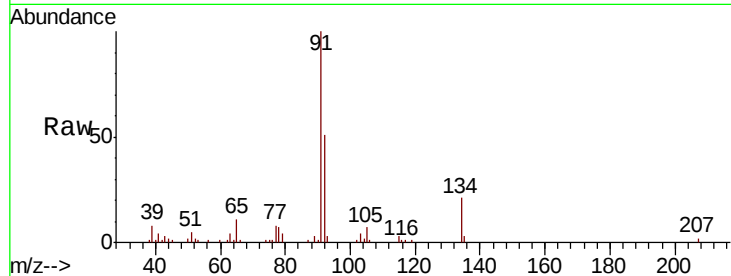




#85
n-Butylbenzene
Concen: 4.640 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

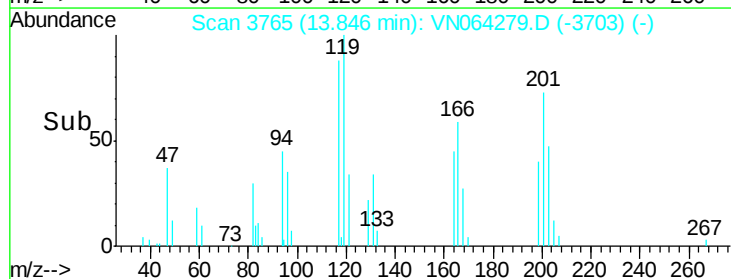
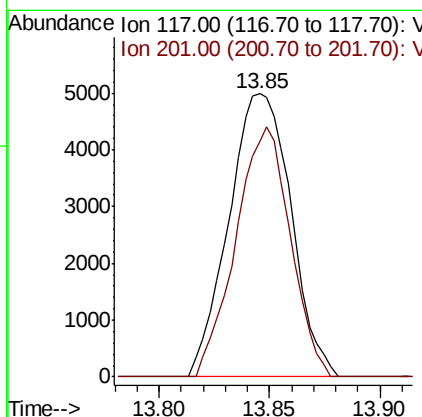
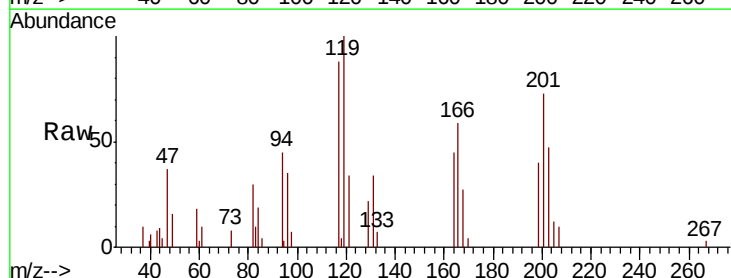
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

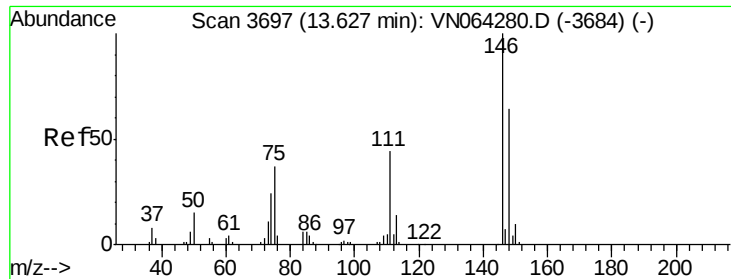
Tot Ion: 91 Resp: 51117
Ion Ratio Lower Upper
91 100
92 48.6 0.0 110.0
134 21.5 0.0 51.6



#86
Hexachloroethane
Concen: 4.589 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064279.D
Acq: 23 Oct 2020 9:58

Tgt Ion: 117 Resp: 9775
Ion Ratio Lower Upper
117 100
201 77.4 37.2 111.6





#87

1,2-Dichlorobenzene

Concen: 4.619 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

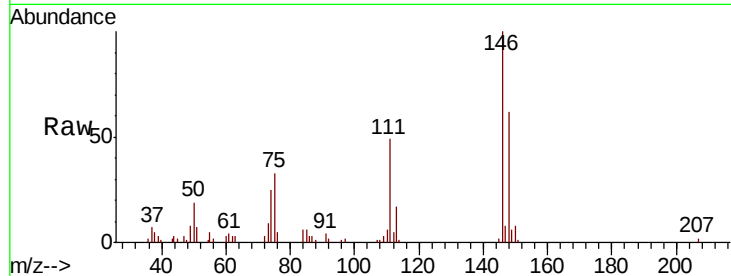
Tot Ion:146 Resp: 29089

Ion Ratio Lower Upper

146 100

111 46.6 23.1 69.3

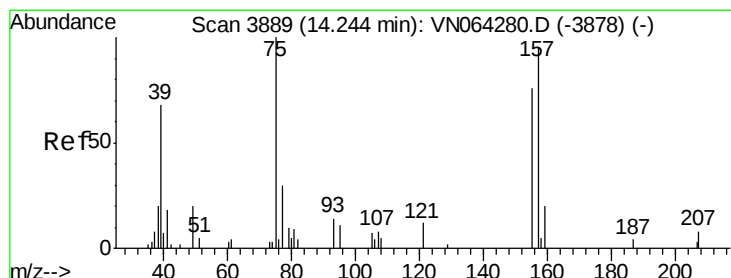
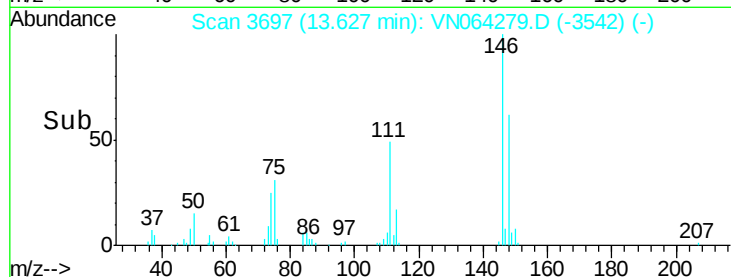
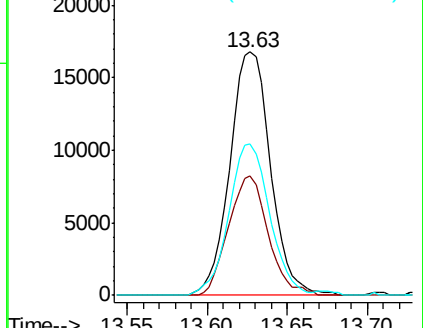
148 62.4 32.3 96.8



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: 4.093 ug/l

RT: 14.24 min Scan# 3889

Delta R.T. -0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

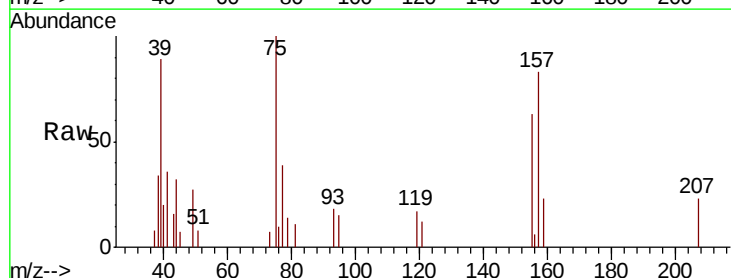
Tgt Ion: 75 Resp: 4282

Ion Ratio Lower Upper

75 100

155 69.8 56.6 84.8

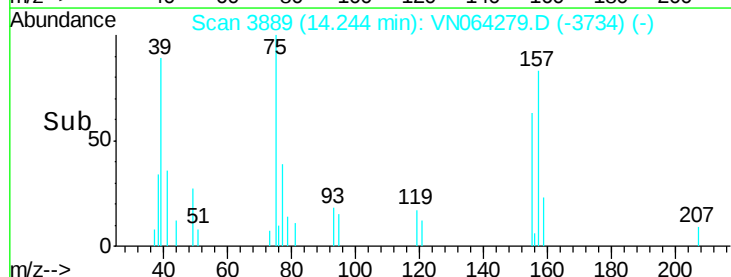
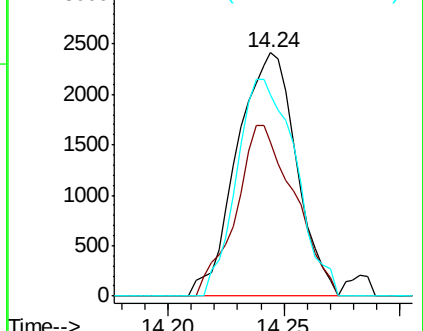
157 88.9 70.1 105.1

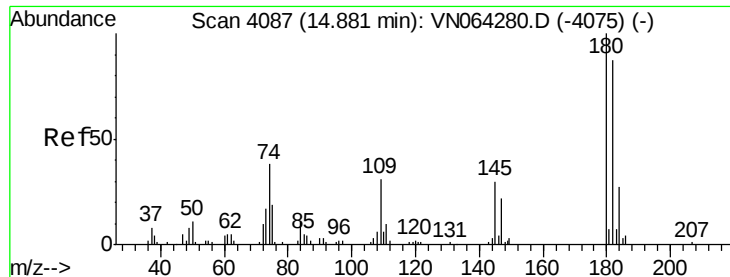


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

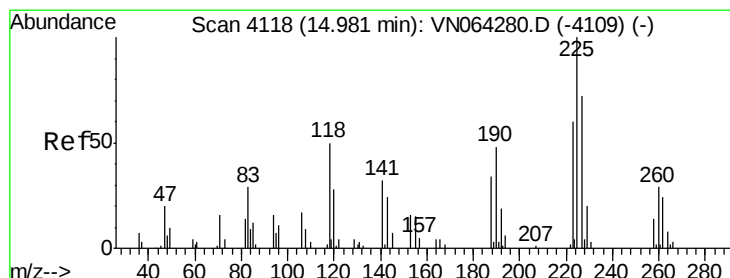
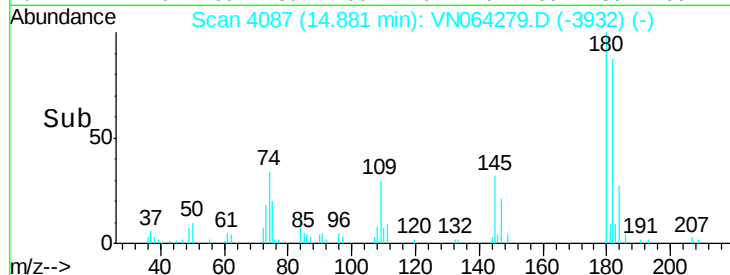
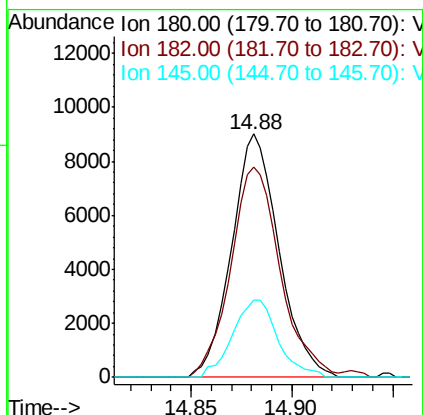
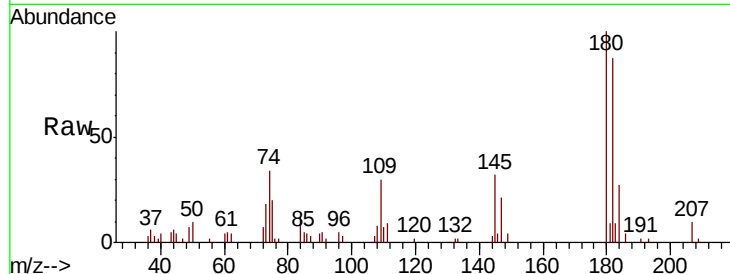




#89
 1,2,4-Trichlorobenzene
 Concen: 3.982 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064279.D
 Acq: 23 Oct 2020 9:58

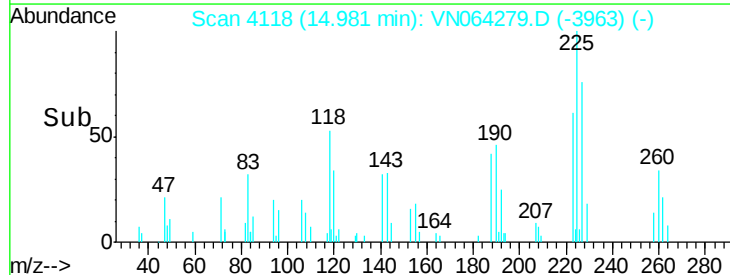
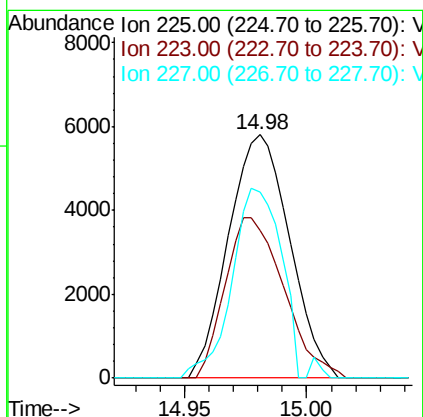
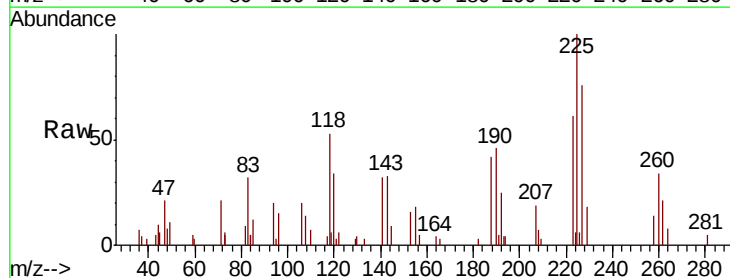
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

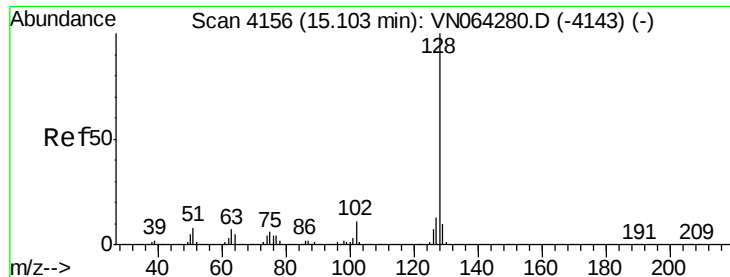
Tot Ion	Ratio	Lower	Upper
180	100		
182	90.5	71.3	106.9
145	30.5	23.9	35.9



#90
 Hexachlorobutadiene
 Concen: 5.254 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064279.D
 Acq: 23 Oct 2020 9:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	0.0	129.8
227	62.6	0.0	128.6





#91

Naphthalene

Concen: 3.594 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

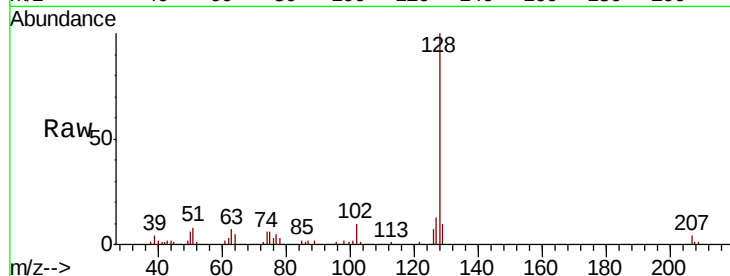
Tot Ion:128 Resp: 40529

Ion Ratio Lower Upper

128 100

127 11.7 9.9 14.9

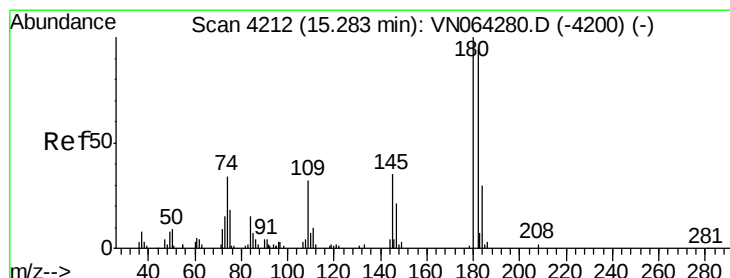
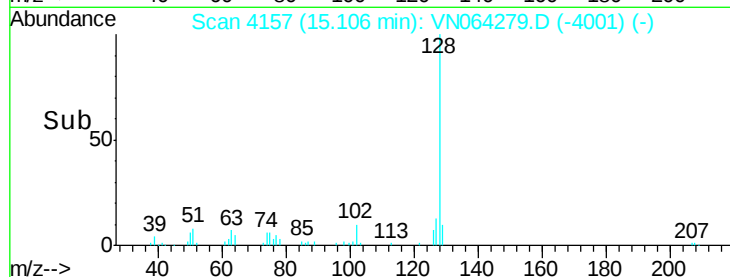
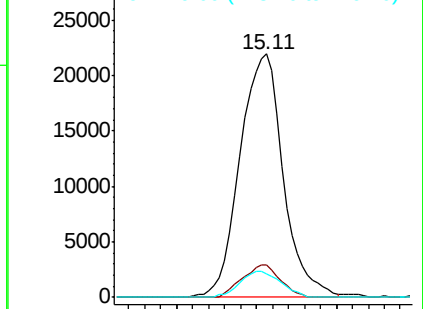
129 10.0 8.3 12.5



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: 3.890 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN064279.D

Acq: 23 Oct 2020 9:58

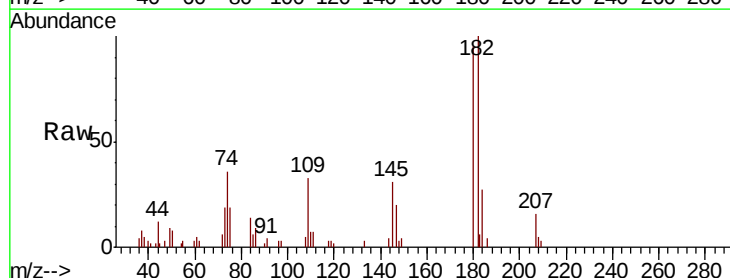
Tgt Ion:180 Resp: 13856

Ion Ratio Lower Upper

180 100

182 95.6 0.0 188.8

145 36.0 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

