

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110220\
 Data File : VN064412.D
 Acq On : 2 Nov 2020 13:50
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Nov 02 15:11:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 02 15:04:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.14	128	53740	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	294845	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	262114	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	132676	27.93	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	93.10%
60) 4-Bromofluorobenzene	12.37	95	130415	28.36	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	94.53%
63) Toluene-d8	10.05	98	355309	30.50	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.67%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	17336	4.104 ug/l	93
3) Chloromethane	2.04	50	18144	4.521 ug/l	99
4) Vinyl Chloride	2.16	62	18840	4.774 ug/l	98
5) Bromomethane	2.53	94	13206	5.382 ug/l	96
6) Chloroethane	2.68	64	10567	4.747 ug/l	99
7) Trichlorofluoromethane	2.98	101	32014	5.192 ug/l	99
8) Diethyl Ether	3.37	74	9865	5.083 ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.72	101	16641	5.297 ug/l	79
10) 1,1-Dichloroethene	3.70	96	15486	5.180 ug/l	97
11) Methyl Iodide	3.90	142	17522	4.130 ug/l	96
12) Methyl Acetate	4.28	43	14946	4.266 ug/l #	84
13) Acrolein	3.57	56	3838	14.886 ug/l #	82
14) Acrylonitrile	4.93	53	31083	20.287 ug/l	98
15) Acetone	3.77	58	7244	15.742 ug/l	74
16) Carbon Disulfide	4.01	76	42289	4.759 ug/l #	95
17) Allyl chloride	4.28	41	25716	4.550 ug/l	80
18) Methylene Chloride	4.51	84	18282	5.338 ug/l	97
19) trans-1,2-Dichloroethene	4.98	96	16556	5.030 ug/l #	85
20) Diisopropyl ether	5.90	45	51260	4.451 ug/l #	88
21) 1,1-Dichloroethane	5.79	63	32448	5.024 ug/l	98
22) cis-1,2-Dichloroethene	6.78	96	19971	5.270 ug/l	99
23) tert-Butyl Alcohol	4.72	59	11757	17.164 ug/l #	100
24) Methyl tert-Butyl Ether	4.98	73	52577	4.688 ug/l #	91
25) Chloroform	7.32	83	34753	5.185 ug/l	92
26) Cyclohexane	7.61	56	24214	4.610 ug/l #	99
29) 1,1-Dichloropropene	7.75	75	23296	4.661 ug/l	96
30) 2-Butanone	6.78	43	47862	20.192 ug/l #	74
31) 2,2-Dichloropropane	6.77	77	30632	5.081 ug/l #	59
32) 1,1,1-Trichloroethane	7.53	97	32409	5.119 ug/l	97
33) Carbon Tetrachloride	7.73	117	28144	4.868 ug/l #	92
34) Benzene	8.00	78	68557	5.049 ug/l #	75
35) Methacrylonitrile	7.12	41	8350	3.463 ug/l	92
36) 1,2-Dichloroethane	8.08	62	30381	5.102 ug/l	99
37) Trichloroethene	8.80	130	19705	5.304 ug/l	99
38) Methylcyclohexane	9.05	83	21250	4.416 ug/l	92
39) 1,2-Dichloropropane	9.08	63	17111	4.746 ug/l	96
40) Dibromomethane	9.17	93	12833	5.059 ug/l	94

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Nov 02 15:11:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 02 15:04:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	26447	4.835	ug/l	98
42) Vinyl Acetate	5.84	43	191324	19.186	ug/l	97
43) Ethyl Acetate	6.87	43	4926	1.061	ug/l #	63
44) Isopropyl Acetate	8.12	43	34022	3.932	ug/l #	80
45) 1,4-Dioxane	9.16	88	4775	72.738	ug/l	96
46) Methyl methacrylate	9.16	41	16325	3.873	ug/l	94
47) n-amyl Acetate	12.05	43	24412	3.351	ug/l #	80
48) t-1,3-Dichloropropene	10.35	75	28997	4.776	ug/l	99
49) cis-1,3-Dichloropropene	9.80	75	29652	4.734	ug/l	95
50) 1,1,2-Trichloroethane	10.52	97	16761	4.942	ug/l	97
51) Ethyl methacrylate	10.40	69	21323	4.097	ug/l	91
52) 1,3-Dichloropropane	10.68	76	26443	4.455	ug/l	98
53) Dibromochloromethane	10.87	129	19727	4.770	ug/l	97
54) 1,2-Dibromoethane	10.98	107	17880	4.939	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	72432	27.813	ug/l	98
56) Bromoform	12.10	173	12994	4.439	ug/l #	96
58) 4-Methyl-2-Pentanone	9.95	43	101276	21.574	ug/l	99
59) 2-Hexanone	10.72	43	69205	19.575	ug/l	98
61) Tetrachloroethene	10.60	164	18994	5.414	ug/l	96
62) Toluene	10.12	91	78946	5.454	ug/l	100
64) Chlorobenzene	11.40	112	47914	5.302	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	17025	4.775	ug/l	95
66) Ethyl Benzene	11.48	91	82030	5.009	ug/l	98
67) m/p-Xylenes	11.59	106	59165	9.755	ug/l	99
68) o-Xylene	11.92	106	29337	4.928	ug/l	97
69) Styrene	11.94	104	45132	4.583	ug/l	98
70) Isopropylbenzene	12.22	105	76106	4.857	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	20173	4.560	ug/l	98
72) 1,2,3-Trichloropropane	12.52	75	29686	6.482	ug/l	63
73) Bromobenzene	12.50	156	18415	4.736	ug/l	92
74) n-propylbenzene	12.56	91	77053	4.343	ug/l	97
75) 2-Chlorotoluene	12.64	91	49902	4.529	ug/l	99
76) 1,3,5-Trimethylbenzene	12.70	105	60254	4.578	ug/l	96
77) t-1,4-Dichloro-2-butene	12.27	75	5962	3.466	ug/l	88
78) 4-Chlorotoluene	12.75	91	49897	4.339	ug/l	98
79) tert-butylbenzene	12.96	119	46435	4.270	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	60764	4.570	ug/l	99
81) sec-Butylbenzene	13.14	105	59815	4.270	ug/l	96
82) p-Isopropyltoluene	13.26	119	52449	4.085	ug/l	100
83) 1,3-Dichlorobenzene	13.25	146	31106	4.635	ug/l	97
84) 1,4-Dichlorobenzene	13.34	146	31228	4.622	ug/l	96
85) n-Butylbenzene	13.59	91	38218	3.442	ug/l	95
86) Hexachloroethane	13.85	117	9419	3.959	ug/l	93
87) 1,2-Dichlorobenzene	13.63	146	28294	4.279	ug/l	90
88) 1,2-Dibromo-3-Chloropropan	14.24	75	3621	3.335	ug/l #	84
89) 1,2,4-Trichlorobenzene	14.88	180	11411	3.125	ug/l	93
90) Hexachlorobutadiene	14.98	225	8456	4.295	ug/l	91
91) Naphthalene	15.10	128	32008	2.963	ug/l	98
92) 1,2,3-Trichlorobenzene	15.28	180	12743	3.644	ug/l	92

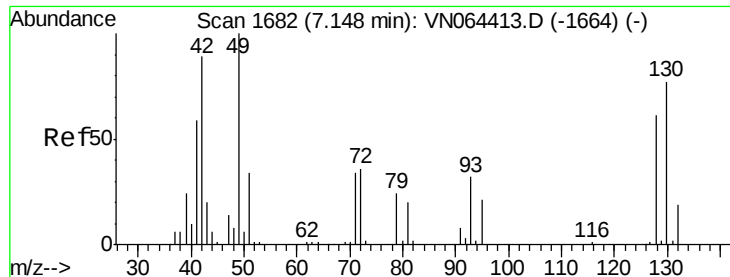
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110220\
Data File : VN064412.D
Acq On : 2 Nov 2020 13:50
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Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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QLast Update : Mon Nov 02 15:04:18 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: 7.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

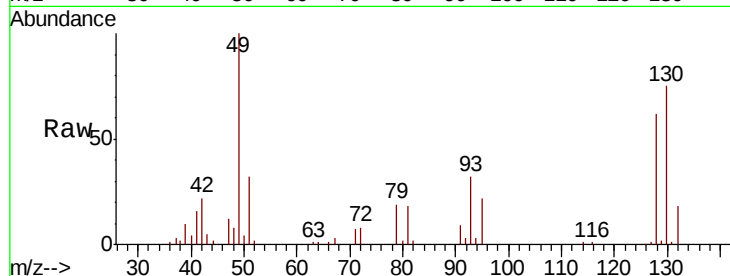
Tot Ion:128 Resp: 53740

Ion Ratio Lower Upper

128 100

49 166.2 0.0 423.5

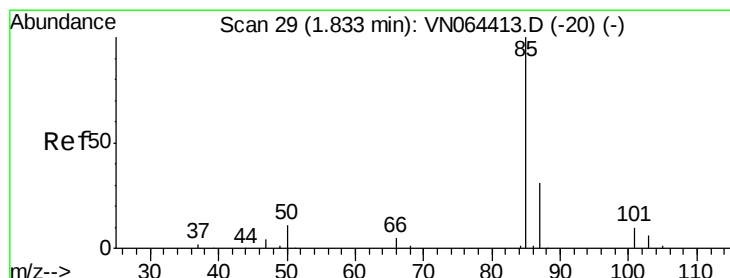
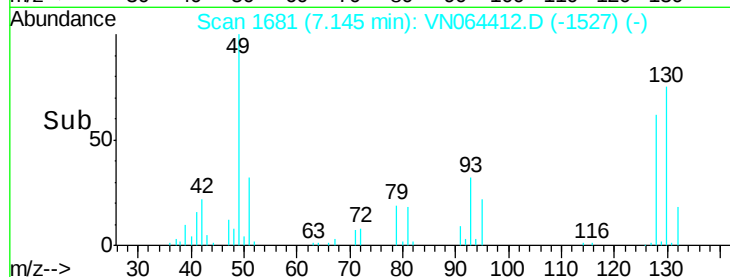
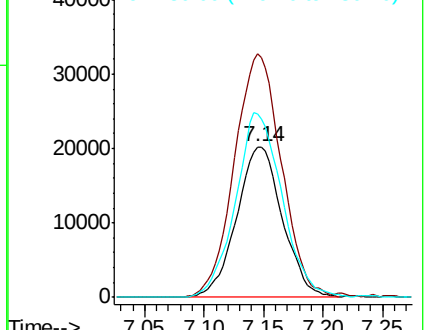
130 125.1 0.0 325.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 4.104 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064412.D

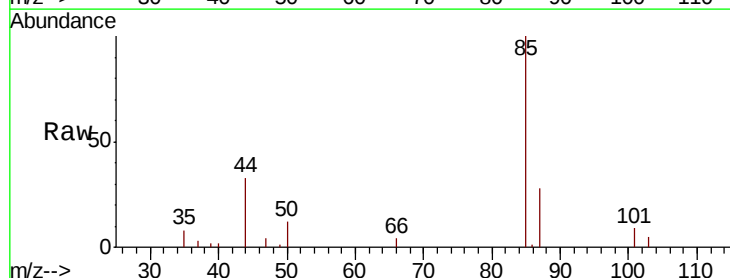
Acq: 2 Nov 2020 13:50

Tgt Ion: 85 Resp: 17336

Ion Ratio Lower Upper

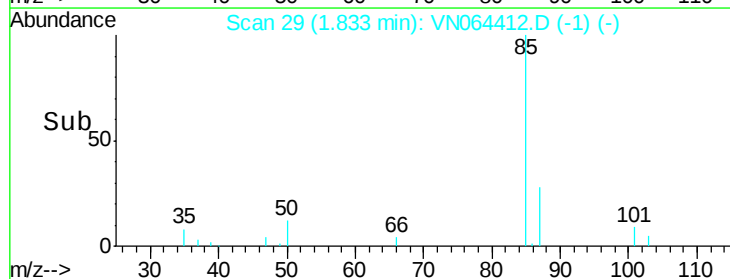
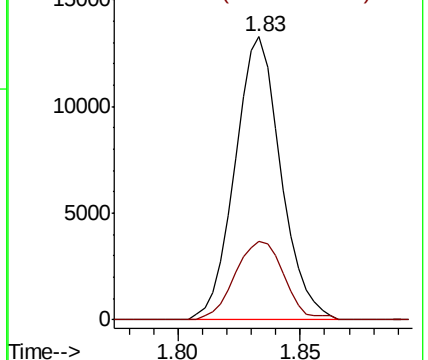
85 100

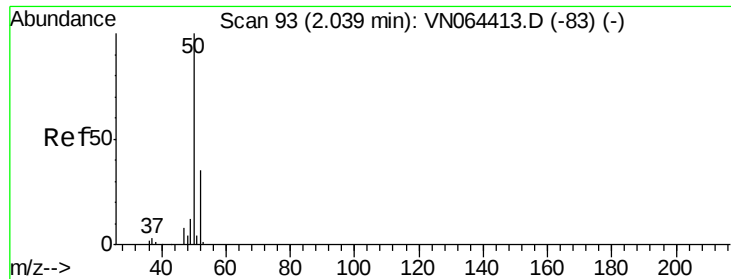
87 27.5 15.7 47.1



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 4.521 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

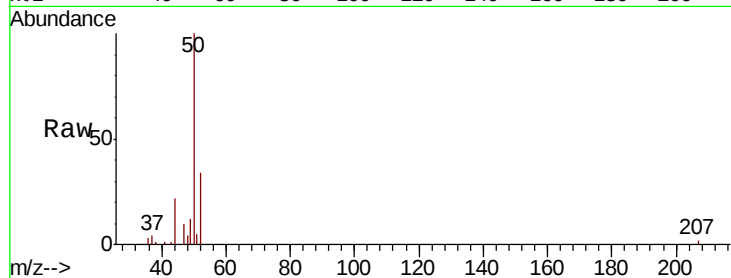
VSTDIC005

Tot Ion: 50 Resp: 18144

Ion Ratio Lower Upper

50 100

52 34.1 27.7 41.5



Abundance Ion 50.00 (49.70 to 50.70): VN064413.D (-83) (-)

Ion 52.00 (51.70 to 52.70): VN064413.D (-83) (-)

2.04

15000

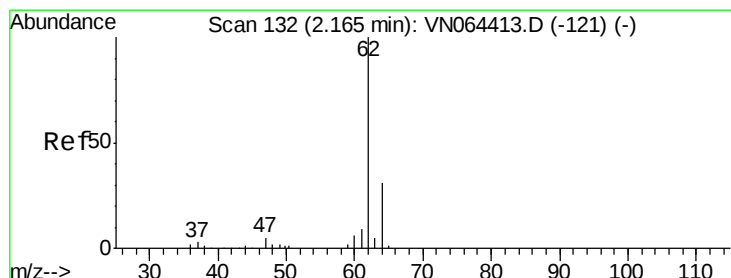
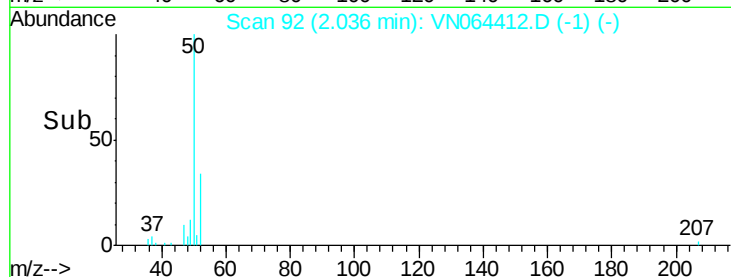
10000

5000

0

Time-->

2.00 2.05



#4

Vinyl Chloride

Concen: 4.774 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064412.D

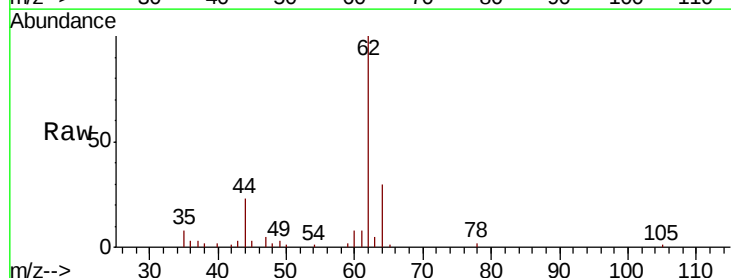
Acq: 2 Nov 2020 13:50

Tgt Ion: 62 Resp: 18840

Ion Ratio Lower Upper

62 100

64 29.6 24.5 36.7



Abundance Ion 62.00 (61.70 to 62.70): VN064413.D (-121) (-)

Ion 64.00 (63.70 to 64.70): VN064413.D (-121) (-)

2.16

15000

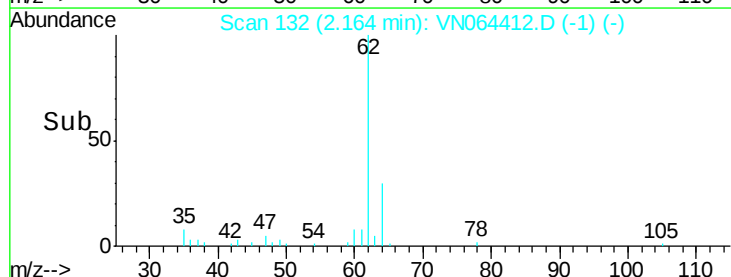
10000

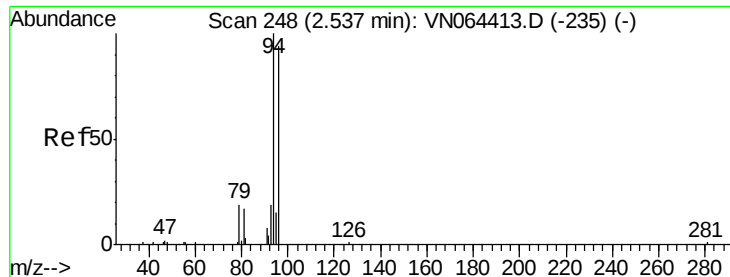
5000

0

Time-->

2.10 2.15 2.20





#5

Bromomethane

Concen: 5.382 ug/l

RT: 2.53 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

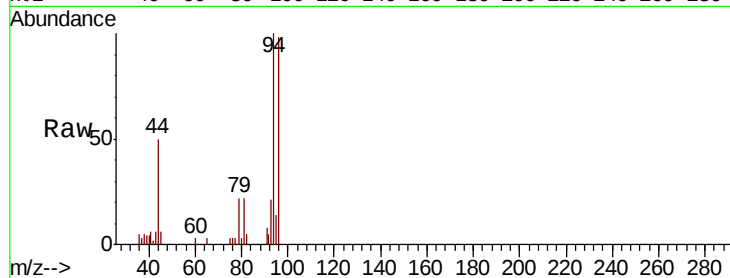
VSTDIC005

Tot Ion: 94 Resp: 13206

Ion Ratio Lower Upper

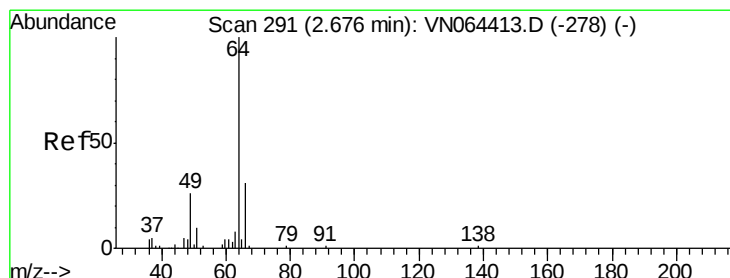
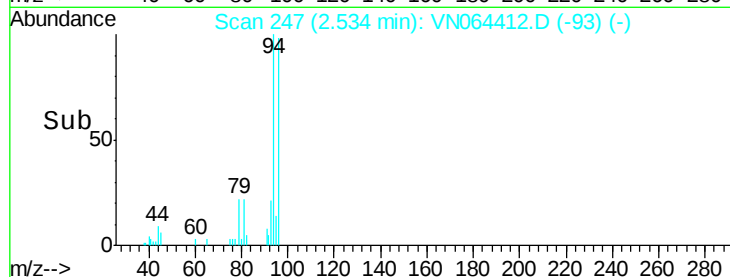
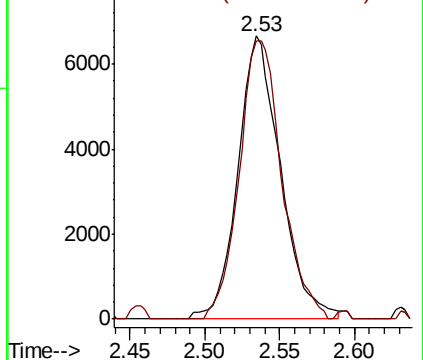
94 100

96 98.2 75.2 112.8



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 4.747 ug/l

RT: 2.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN064412.D

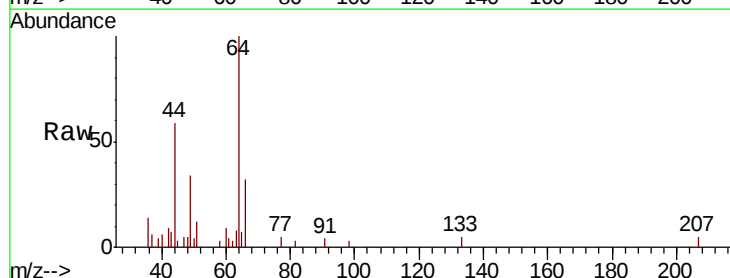
Acq: 2 Nov 2020 13:50

Tgt Ion: 64 Resp: 10567

Ion Ratio Lower Upper

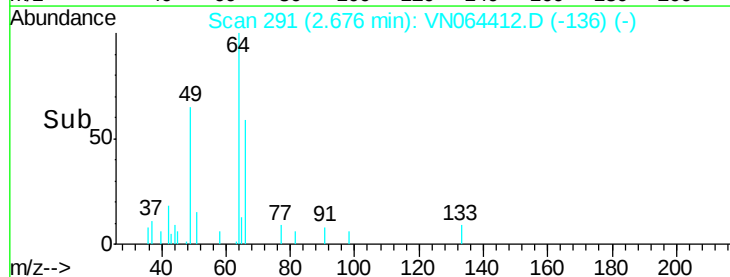
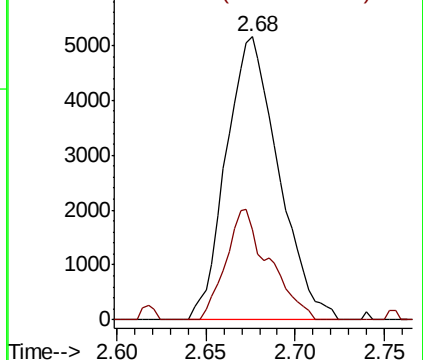
64 100

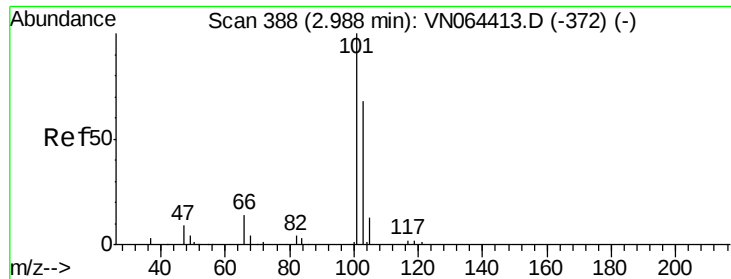
66 31.6 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



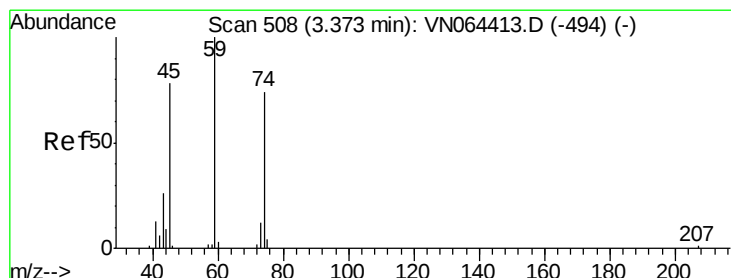
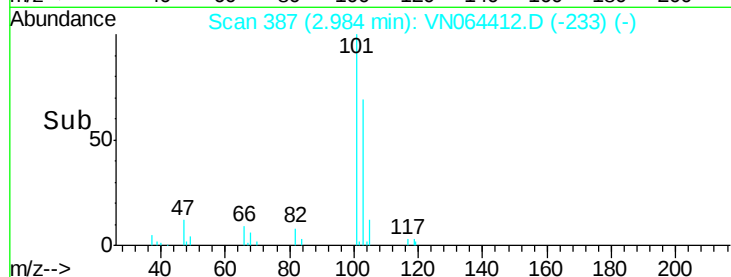
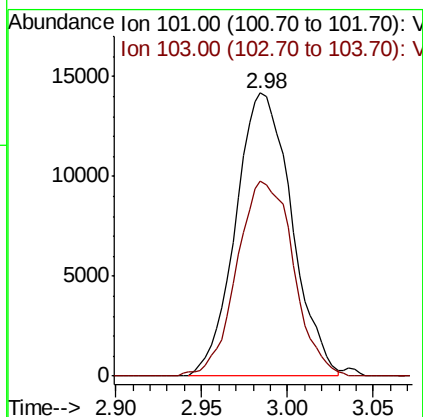
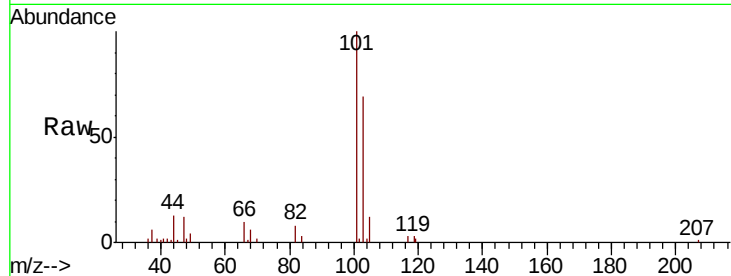


#7

Trichlorofluoromethane
 Concen: 5.192 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

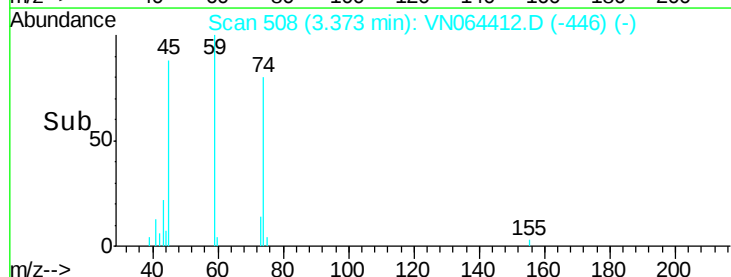
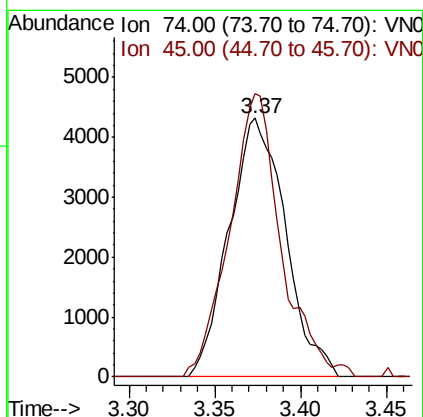
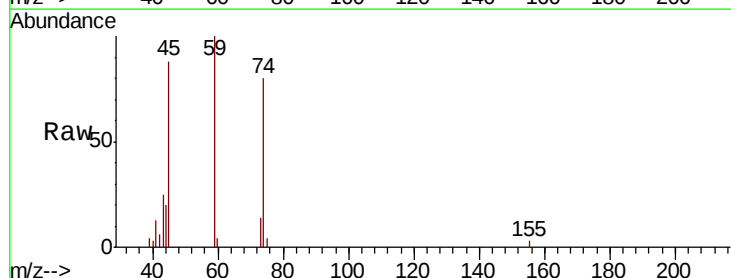
Tot Ion:101 Resp: 32014
 Ion Ratio Lower Upper
 101 100
 103 67.4 54.6 81.8

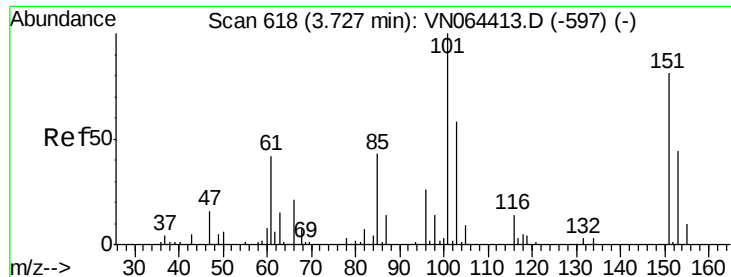


#8

Diethyl Ether
 Concen: 5.083 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

Tgt Ion: 74 Resp: 9865
 Ion Ratio Lower Upper
 74 100
 45 98.8 21.2 190.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.297 ug/l

RT: 3.72 min Scan# 616

Delta R.T. -0.01 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

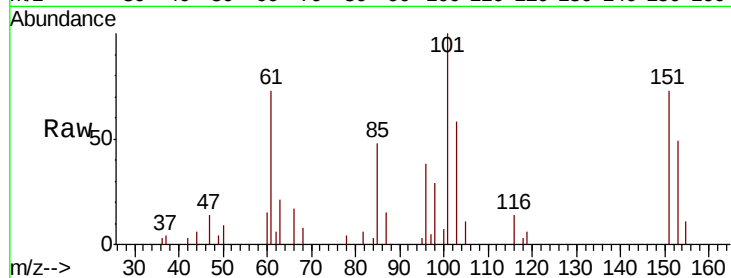
Tot Ion:101 Resp: 16641

Ion Ratio Lower Upper

101 100

85 48.6 0.0 89.6

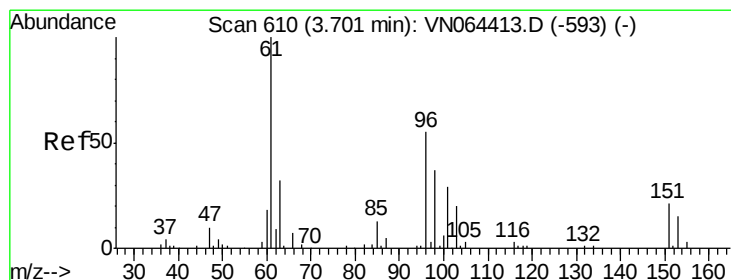
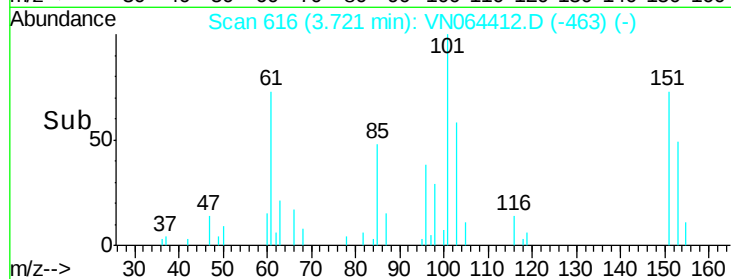
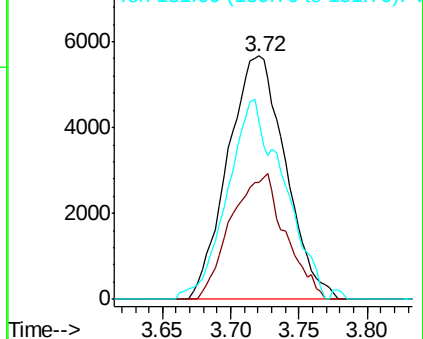
151 53.6 0.0 158.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 5.180 ug/l

RT: 3.70 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

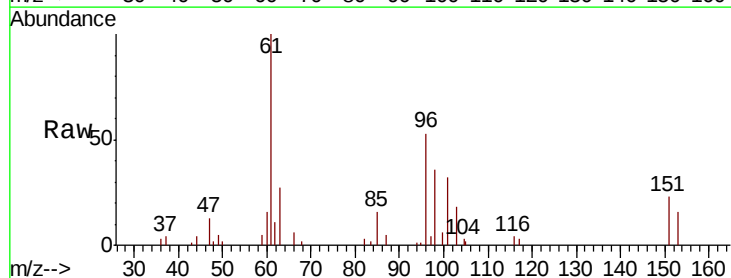
Tgt Ion: 96 Resp: 15486

Ion Ratio Lower Upper

96 100

61 187.3 145.6 218.4

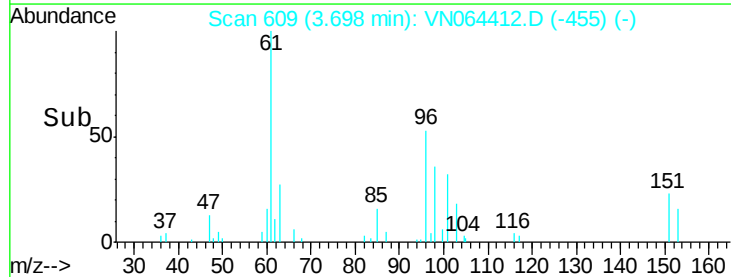
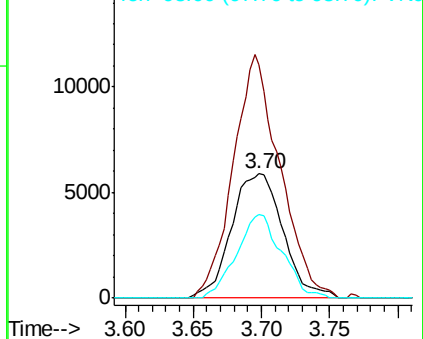
98 66.9 53.9 80.9

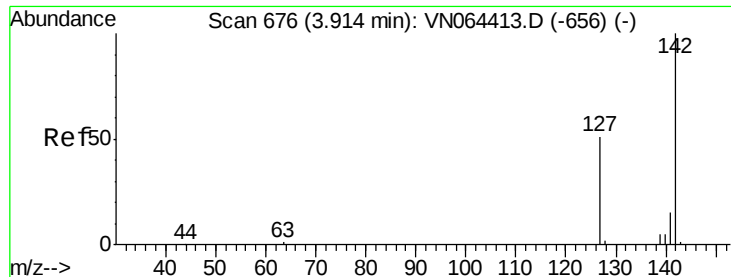


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

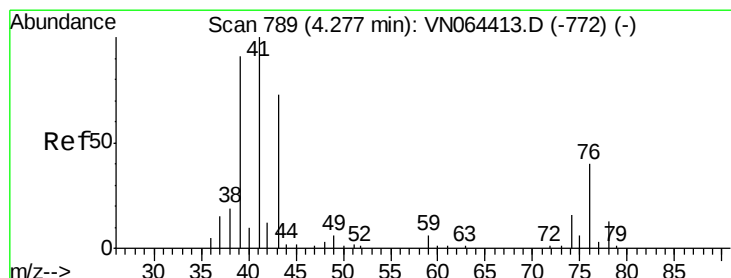
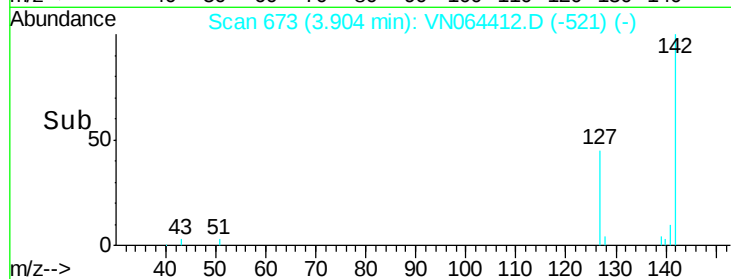
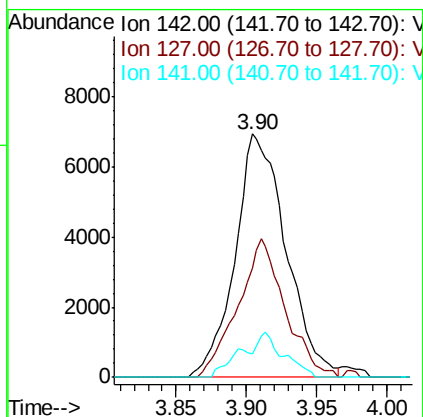
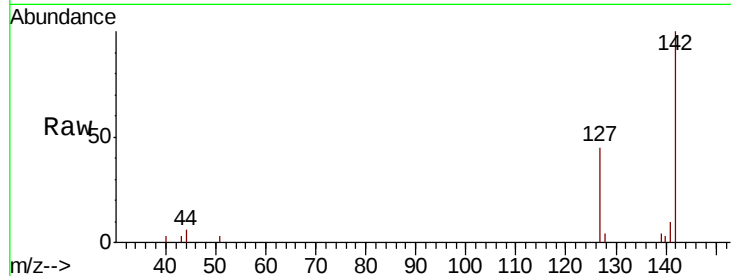




#11
Methyl Iodide
Concen: 4.130 ug/l
RT: 3.90 min Scan# 673
Delta R.T. -0.01 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

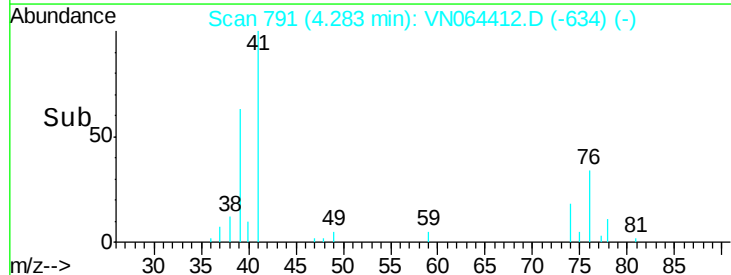
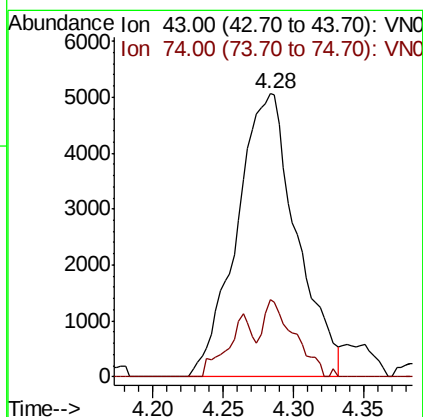
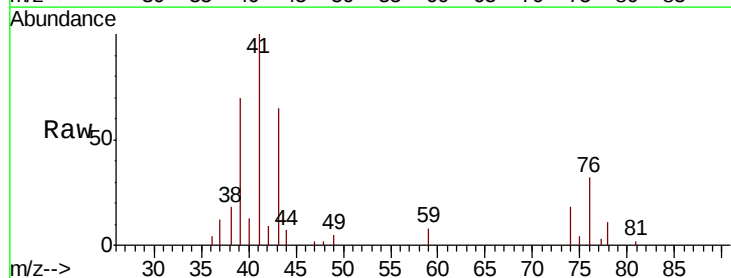
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

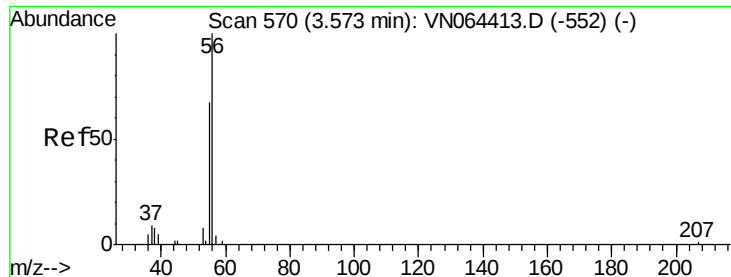
Tot Ion:142 Resp: 17522
Ion Ratio Lower Upper
142 100
127 50.1 25.4 76.2
141 10.0 7.8 23.3



#12
Methyl Acetate
Concen: 4.266 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Tgt Ion: 43 Resp: 14946
Ion Ratio Lower Upper
43 100
74 28.8 17.1 25.7#





#13

Acrolein

Concen: 14.886 ug/l

RT: 3.57 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

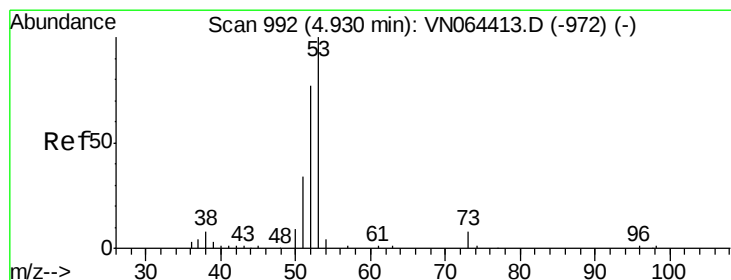
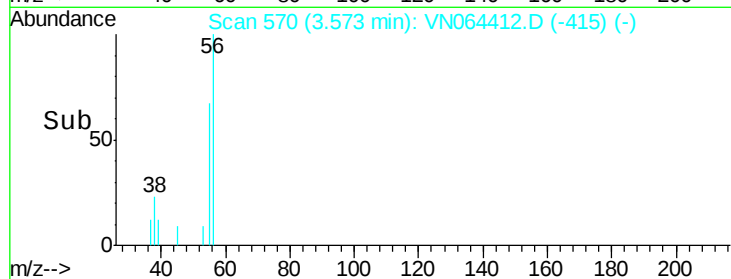
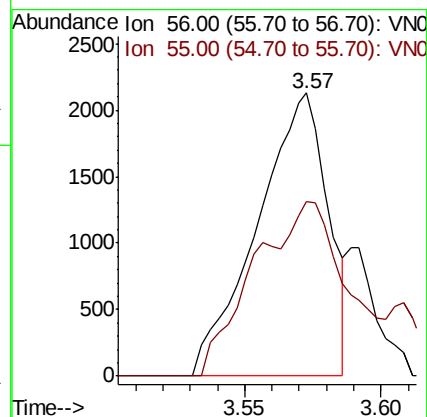
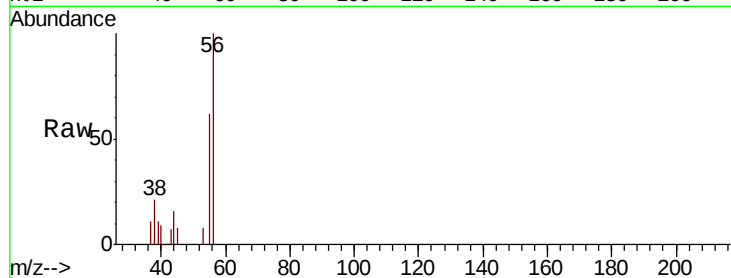
VSTDIC005

Tot Ion: 56 Resp: 3838

Ion Ratio Lower Upper

56 100

55 51.1 52.5 78.7#



#14

Acrylonitrile

Concen: 20.287 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

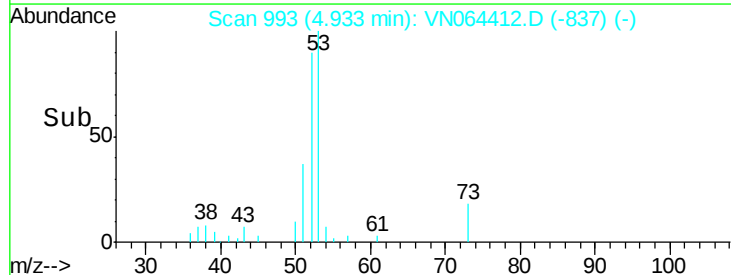
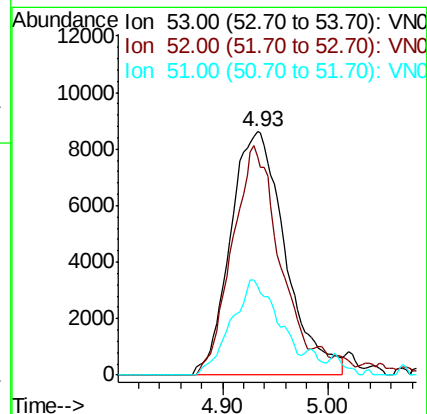
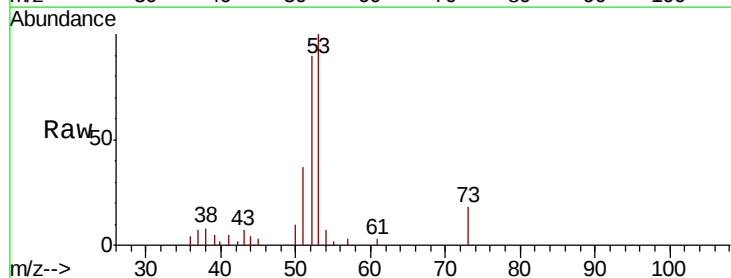
Tgt Ion: 53 Resp: 31083

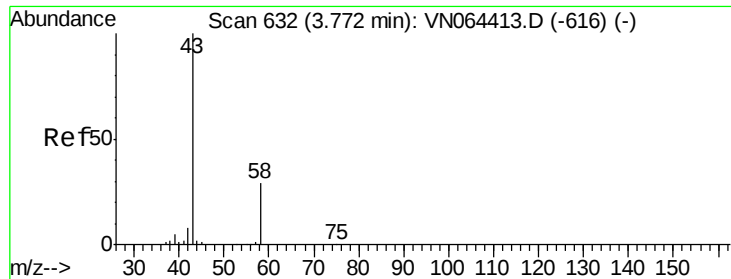
Ion Ratio Lower Upper

53 100

52 80.2 41.1 123.3

51 33.8 17.8 53.3





#15

Acetone

Concen: 15.742 ug/l

RT: 3.77 min Scan# 631

Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

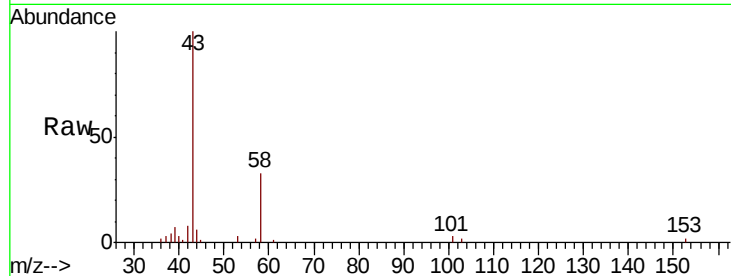
VSTDIC005

Tot Ion: 58 Resp: 7244

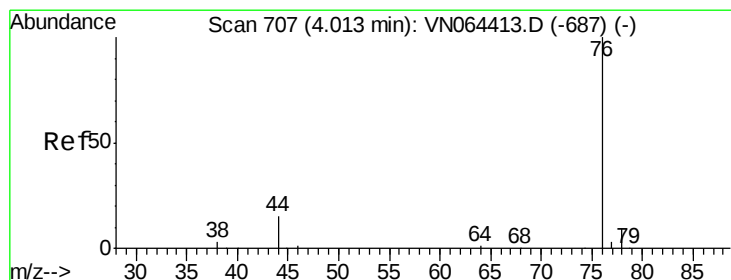
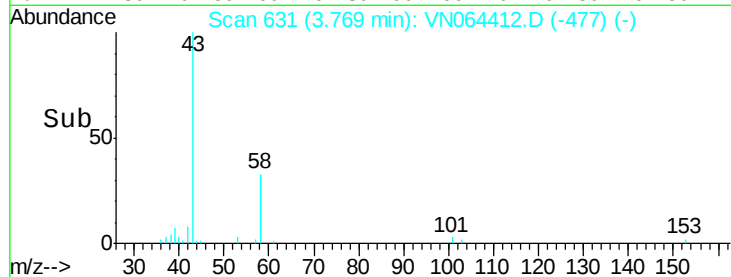
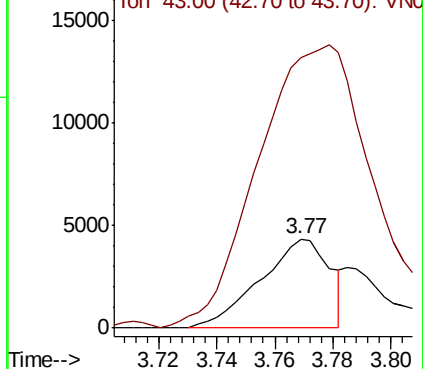
Ion Ratio Lower Upper

58 100

43 288.9 276.1 414.1



Abundance Ion 58.00 (57.70 to 58.70): VN064412.D (-477) (-)



#16

Carbon Disulfide

Concen: 4.759 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN064412.D

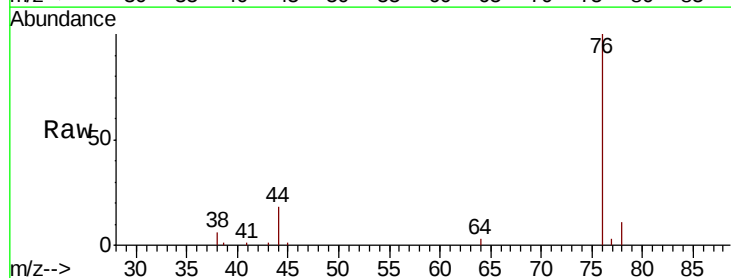
Acq: 2 Nov 2020 13:50

Tgt Ion: 76 Resp: 42289

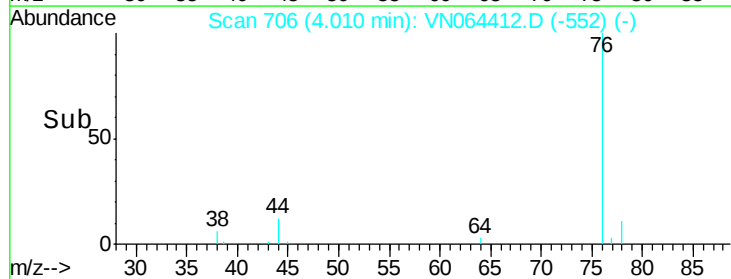
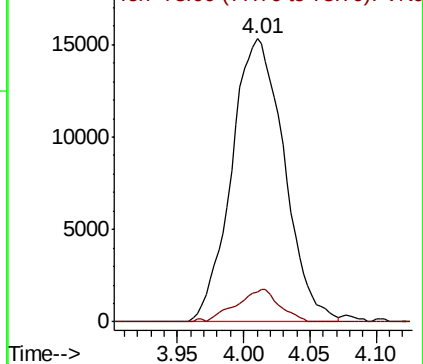
Ion Ratio Lower Upper

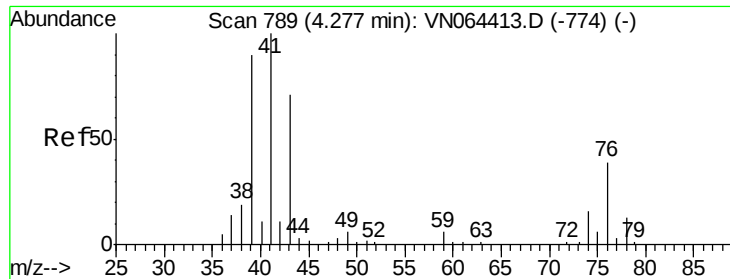
76 100

78 10.8 7.0 10.6#



Abundance Ion 76.00 (75.70 to 76.70): VN064412.D (-552) (-)

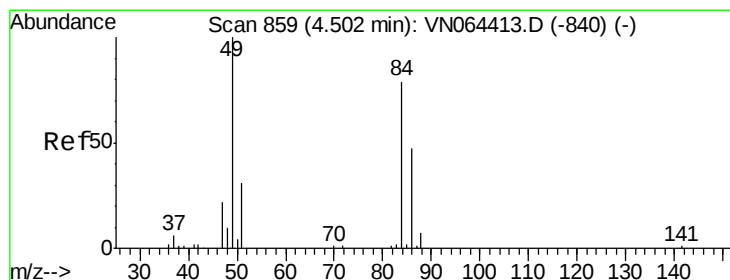
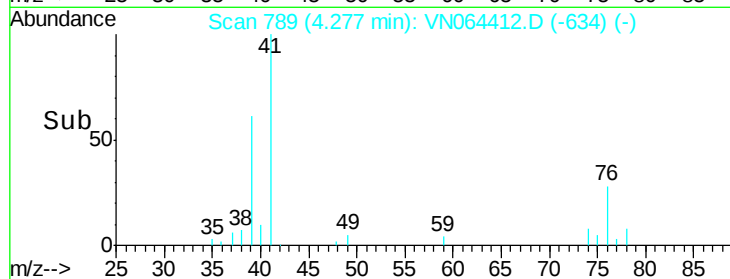
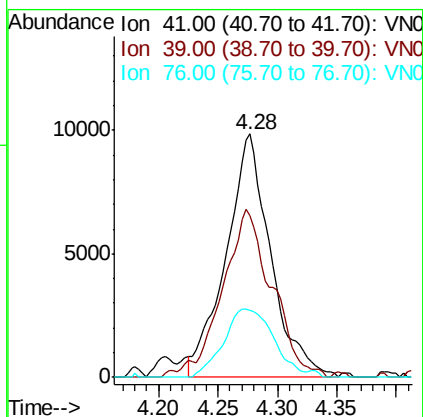
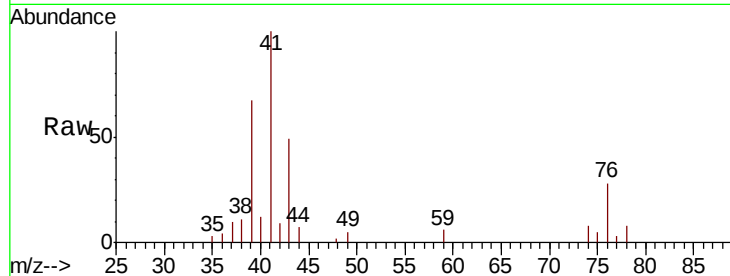




#17
Allvl chloride
Concen: 4.550 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

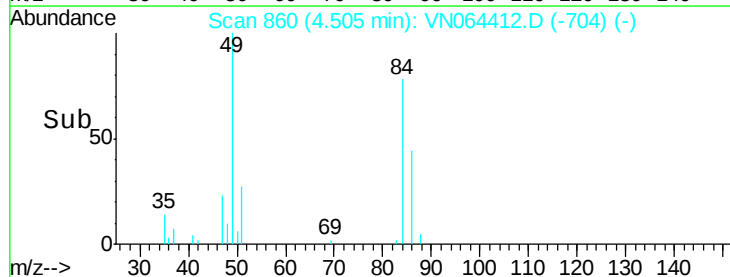
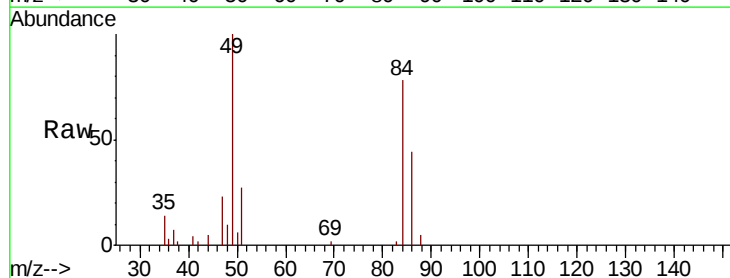
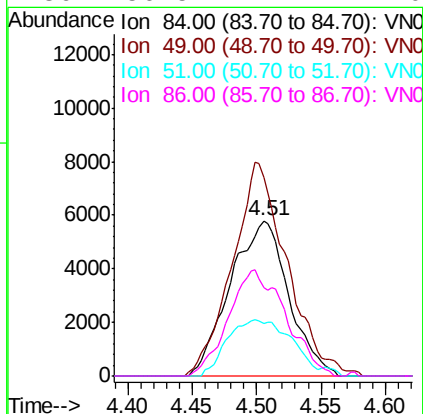
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

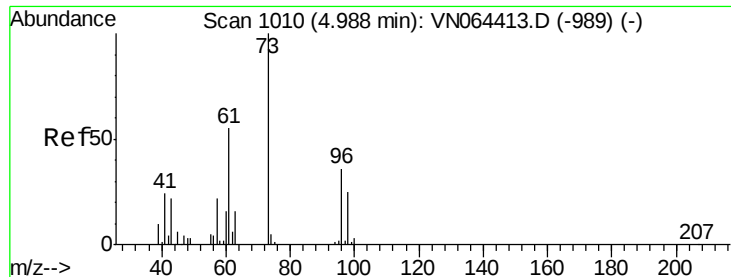
Tot Ion: 41 Resp: 25716
Ion Ratio Lower Upper
41 100
39 64.4 42.3 126.8
76 27.6 18.6 55.8



#18
Methylene Chloride
Concen: 5.338 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Tgt Ion: 84 Resp: 18282
Ion Ratio Lower Upper
84 100
49 124.7 101.0 151.4
51 34.0 31.2 46.8
86 56.5 47.4 71.0

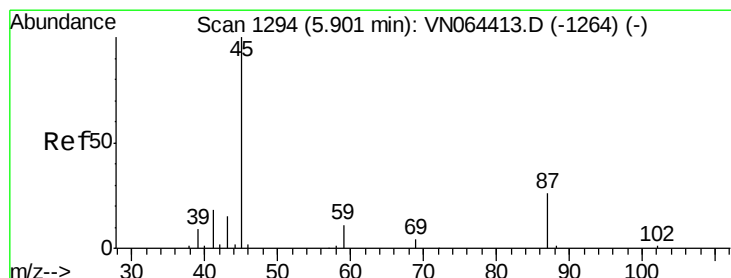
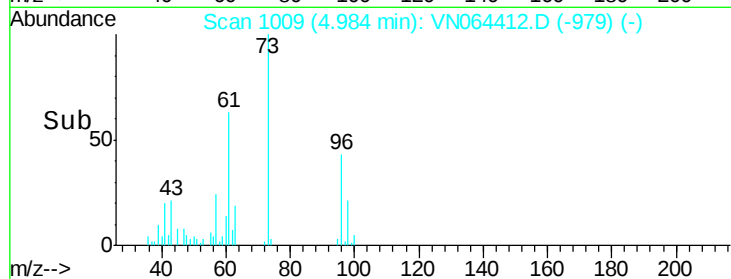
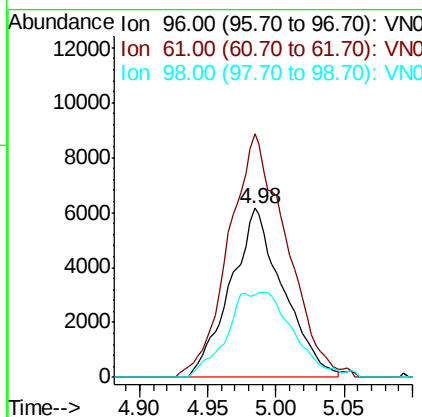
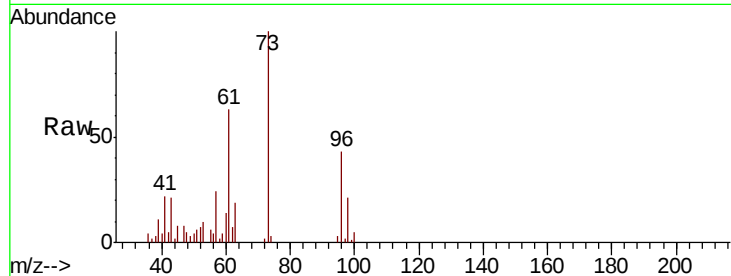




#19
trans-1,2-Dichloroethene
Concen: 5.030 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

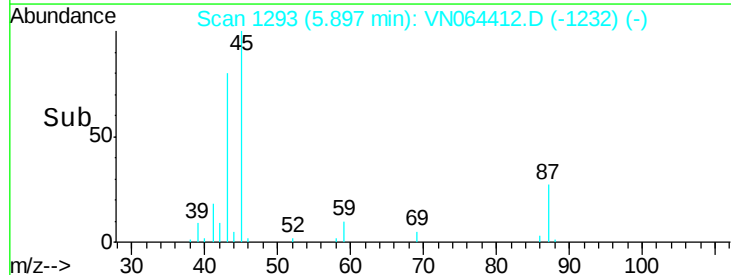
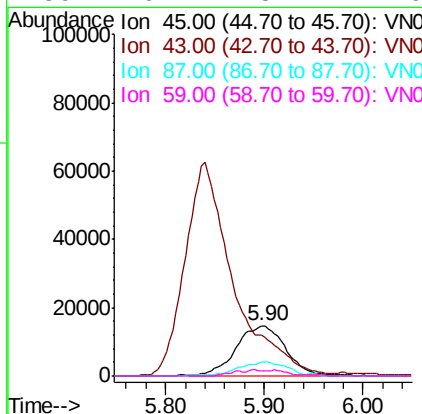
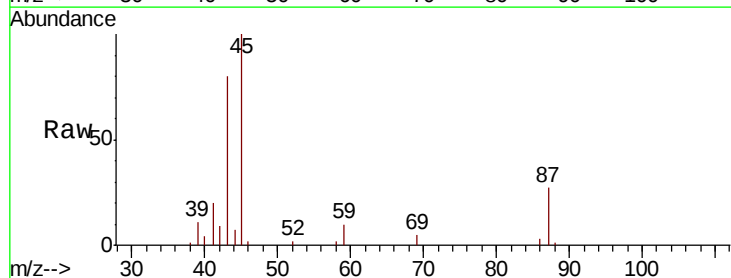
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

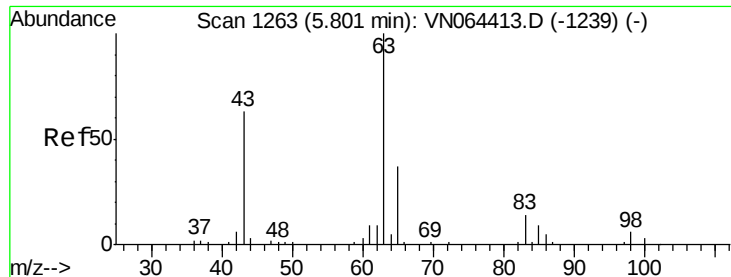
Tot Ion: 96 Resp: 16556
Ion Ratio Lower Upper
96 100
61 139.0 121.4 182.0
98 49.0 55.5 83.3#



#20
Diisopropyl ether
Concen: 4.451 ug/l
RT: 5.90 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Tgt Ion: 45 Resp: 51260
Ion Ratio Lower Upper
45 100
43 76.0 49.6 74.4#
87 27.5 21.0 31.6
59 10.2 8.4 12.6

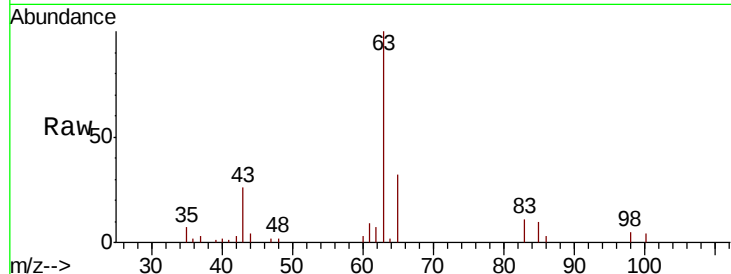




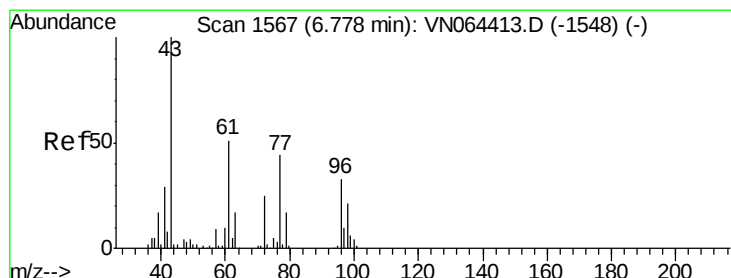
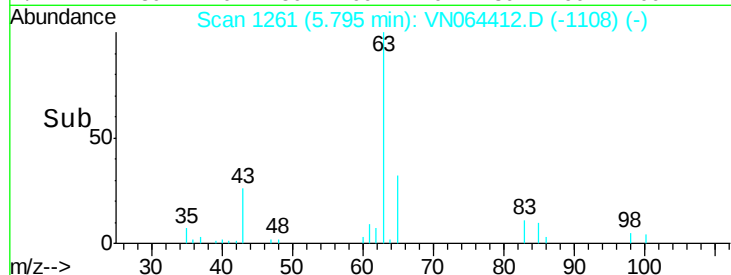
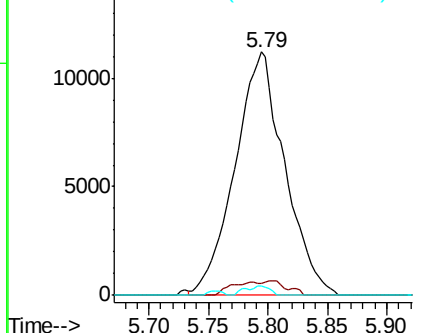
#21
 1,1-Dichloroethane
 Concen: 5.024 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 32448
 Ion Ratio Lower Upper
 63 100
 98 5.1 2.9 8.8
 100 3.8 1.5 4.5

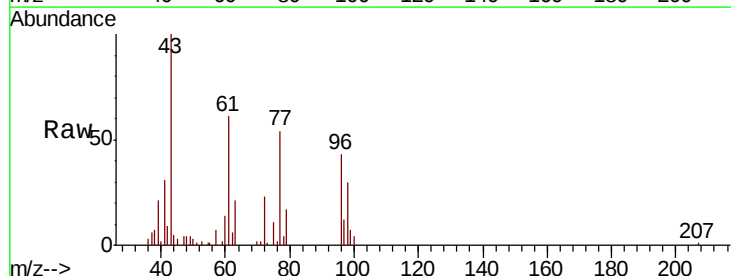


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

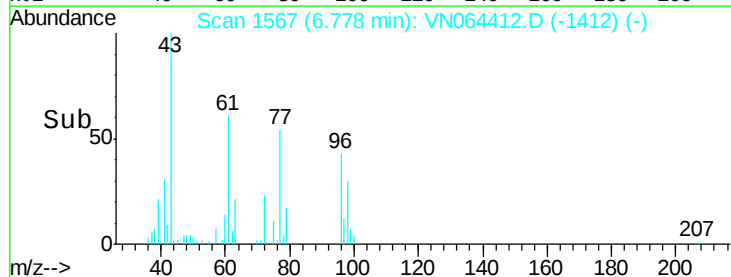
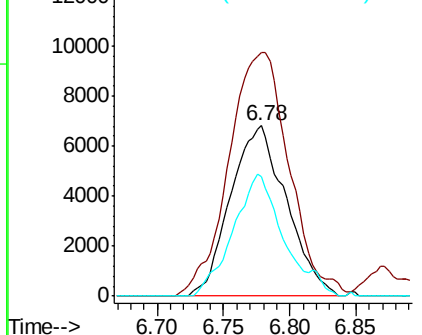


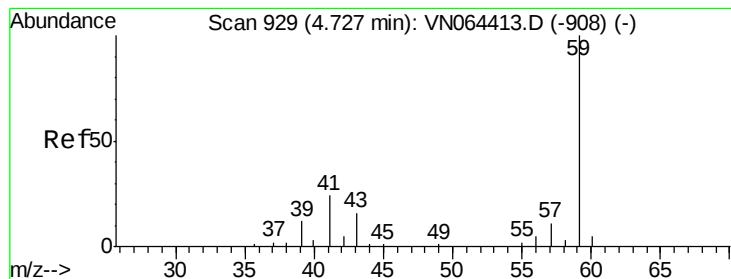
#22
 cis-1,2-Dichloroethene
 Concen: 5.270 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

Tgt Ion: 96 Resp: 19971
 Ion Ratio Lower Upper
 96 100
 61 151.6 122.3 183.5
 98 61.4 49.6 74.4



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





#23

tert-Butyl Alcohol

Concen: 17.164 ug/l

RT: 4.72 min Scan# 927

Delta R.T. -0.01 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

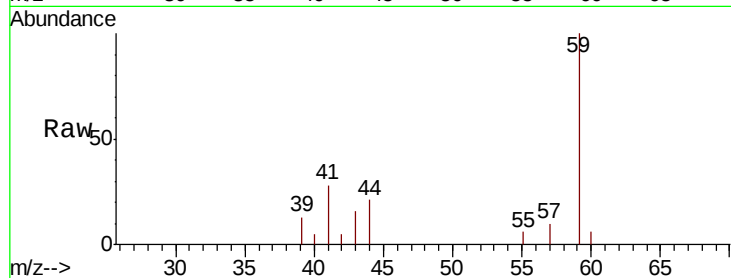
VSTDIC005

Tot Ion: 59 Resp: 11757

Ion Ratio Lower Upper

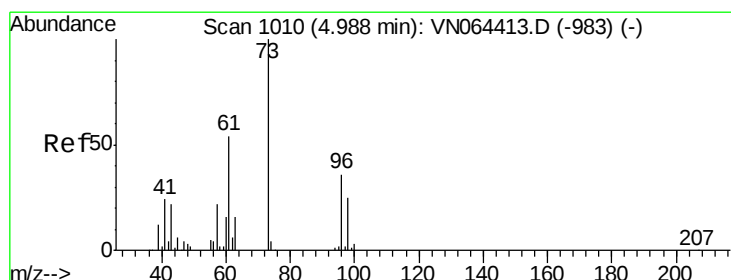
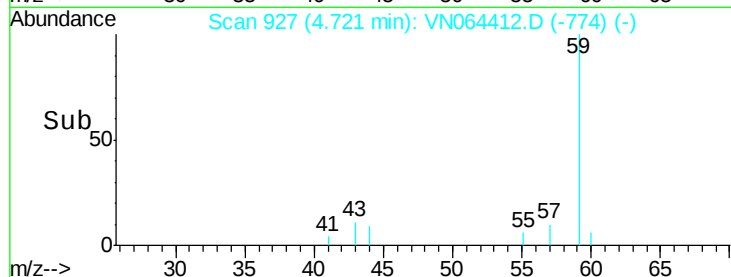
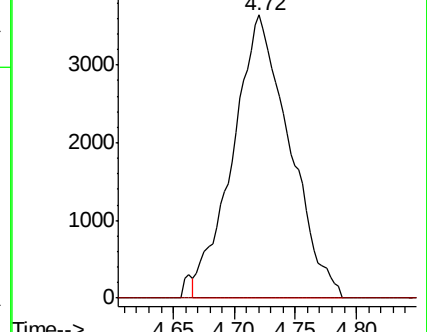
59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN064413.D (-908) (-)

Ion 52.00 (51.70 to 52.70): VN064413.D (-908) (-)



#24

Methyl tert-Butyl Ether

Concen: 4.688 ug/l

RT: 4.98 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN064412.D

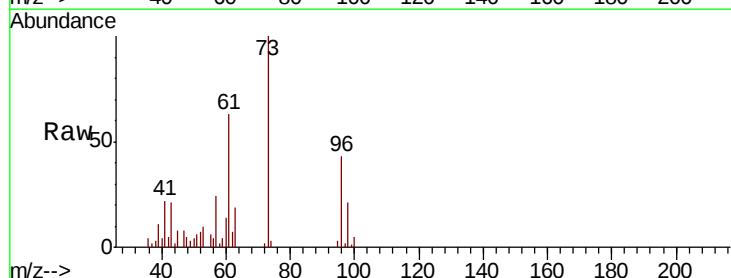
Acq: 2 Nov 2020 13:50

Tgt Ion: 73 Resp: 52577

Ion Ratio Lower Upper

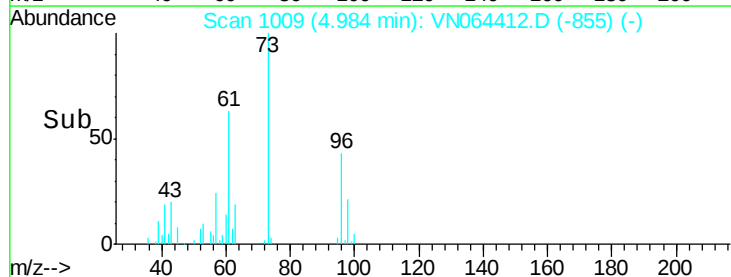
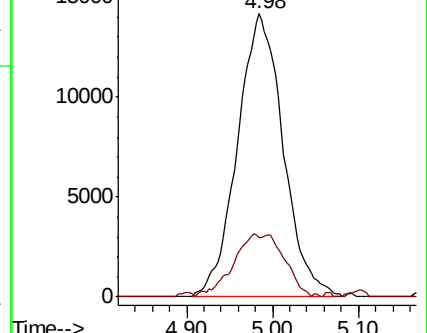
73 100

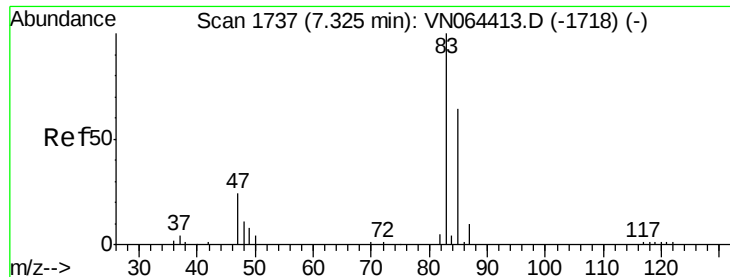
43 11.8 6.8 10.2#



Abundance Ion 73.00 (72.70 to 73.70): VN064413.D (-983) (-)

Ion 43.00 (42.70 to 43.70): VN064413.D (-983) (-)





#25

Chloroform

Concen: 5.185 ug/l

RT: 7.32 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

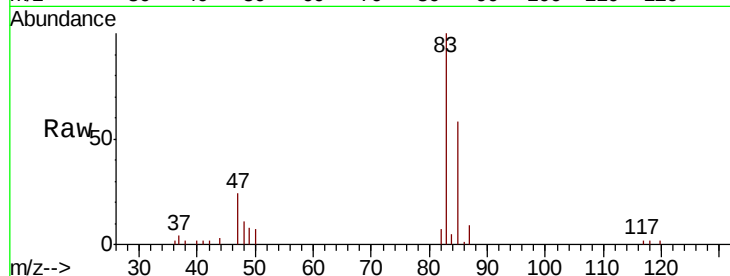
VSTDIC005

Tot Ion: 83 Resp: 34753

Ion Ratio Lower Upper

83 100

85 57.6 51.0 76.4



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

7.32

15000

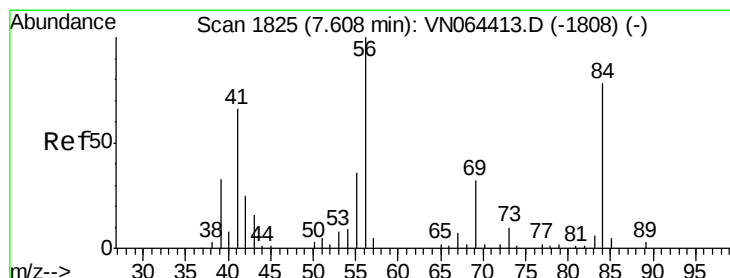
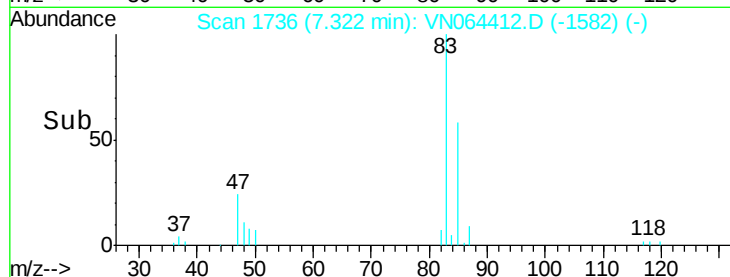
10000

5000

0

Time-->

7.25 7.30 7.35 7.40



#26

Cyclohexane

Concen: 4.610 ug/l

RT: 7.61 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

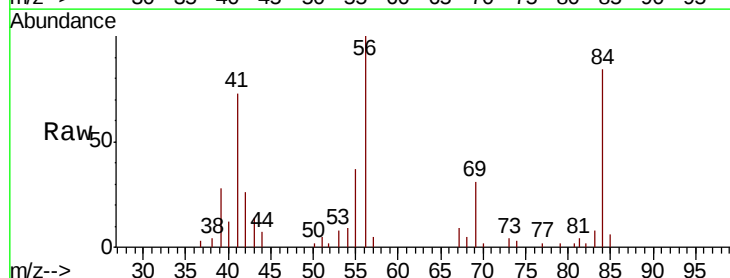
Tgt Ion: 56 Resp: 24214

Ion Ratio Lower Upper

56 100

89 0.9 2.3 3.5#

84 87.5 69.4 104.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

15000

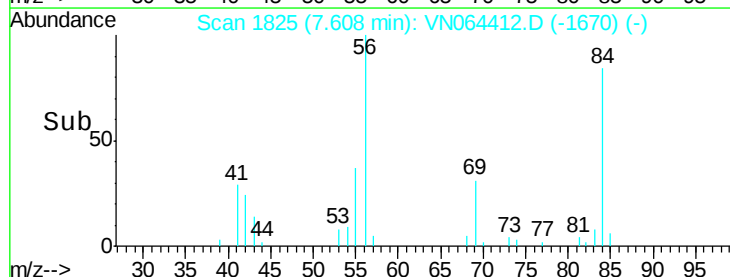
10000

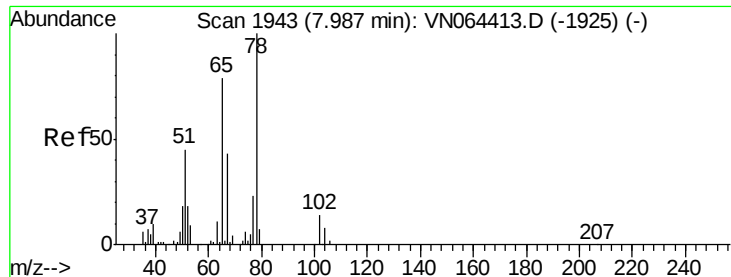
5000

0

Time-->

7.55 7.60 7.65





#27

1,2-Dichloroethane-d4

Concen: 27.930 ug/l

RT: 7.98 min Scan# 1941

Delta R.T. -0.01 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

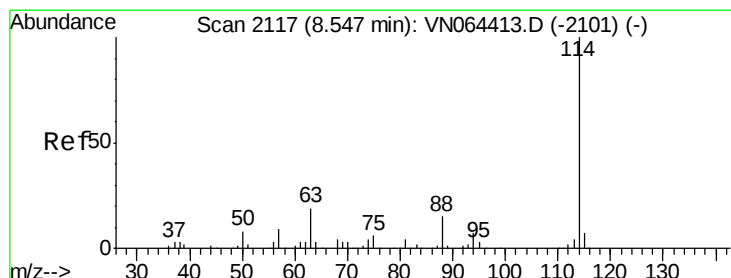
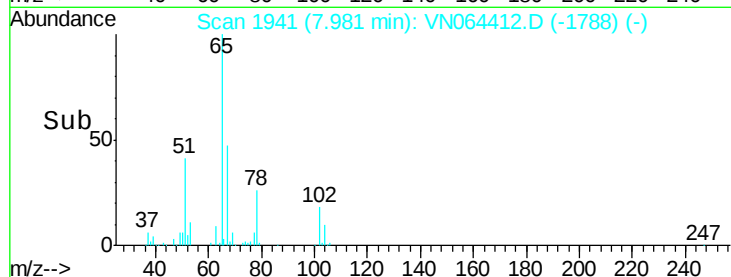
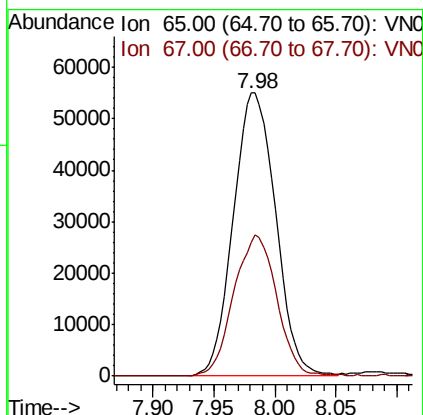
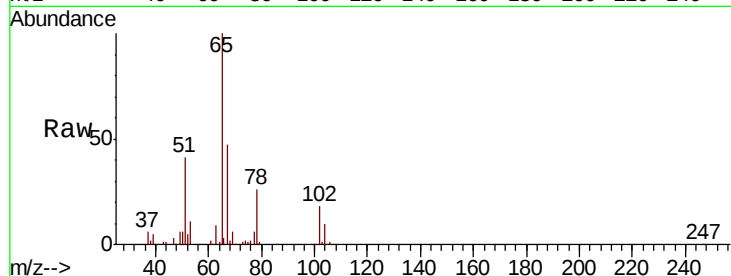
VSTDIC005

Tot Ion: 65 Resp: 132676

Ion Ratio Lower Upper

65 100

67 50.2 40.6 61.0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

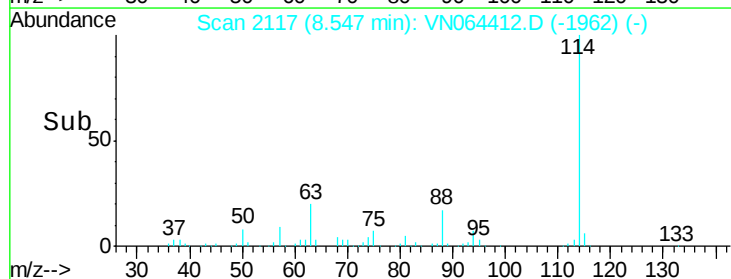
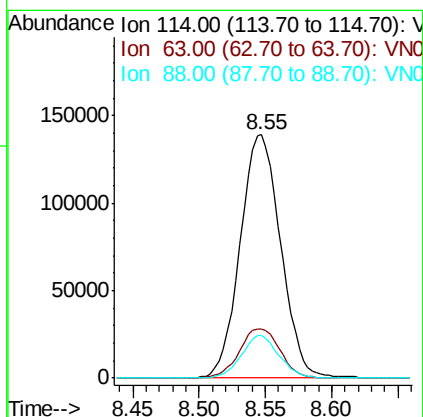
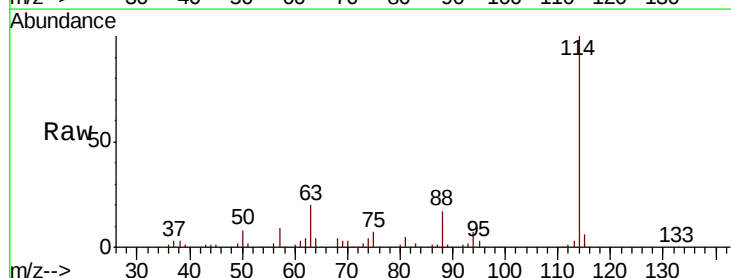
Tgt Ion: 114 Resp: 294845

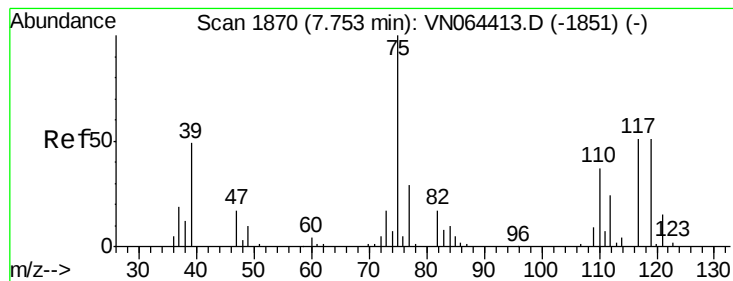
Ion Ratio Lower Upper

114 100

63 20.6 16.2 24.4

88 16.5 12.6 19.0





#29

1,1-Dichloropropene

Concen: 4.661 ug/l

RT: 7.75 min Scan# 1870

Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

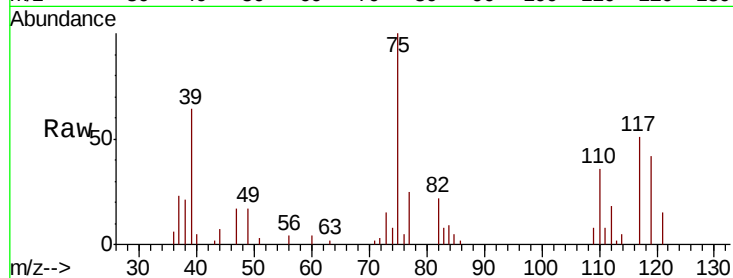
Tot Ion: 75 Resp: 23296

Ion Ratio Lower Upper

75 100

110 36.3 0.0 71.8

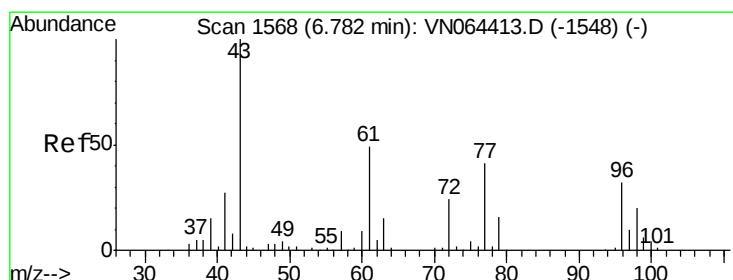
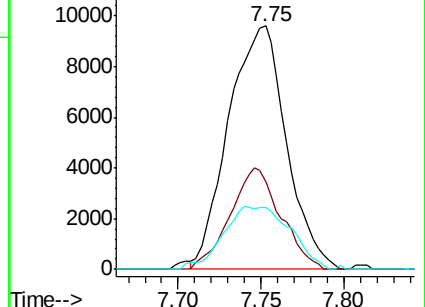
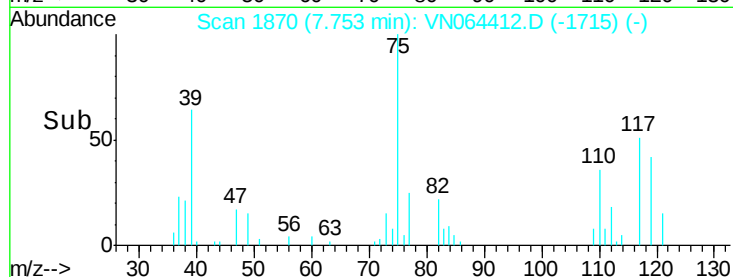
77 11.8 0.0 32.4



Abundance Ion 75.00 (74.70 to 75.70): VN064412.D (-1715) (-)

Ion 110.00 (109.70 to 110.70): VN064412.D (-1715) (-)

Ion 77.00 (76.70 to 77.70): VN064412.D (-1715) (-)



#30

2-Butanone

Concen: 20.192 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

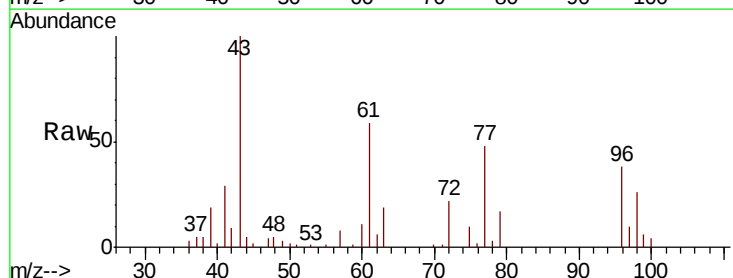
Tgt Ion: 43 Resp: 47862

Ion Ratio Lower Upper

43 100

57 4.3 6.6 9.8#

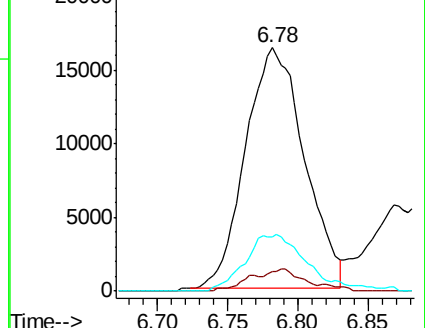
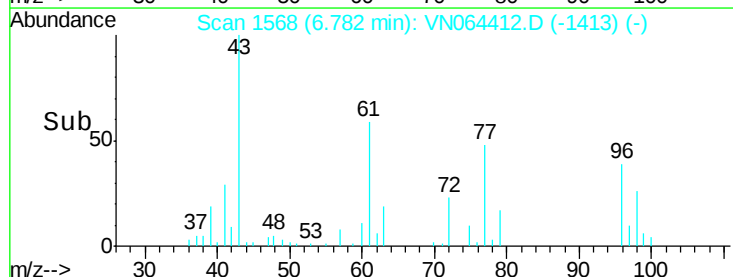
72 9.8 20.0 30.0#

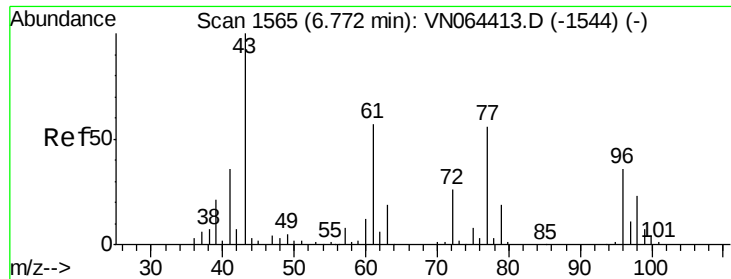


Abundance Ion 43.00 (42.70 to 43.70): VN064412.D (-1413) (-)

Ion 57.00 (56.70 to 57.70): VN064412.D (-1413) (-)

Ion 72.00 (71.70 to 72.70): VN064412.D (-1413) (-)





#31

2,2-Dichloropropane

Concen: 5.081 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

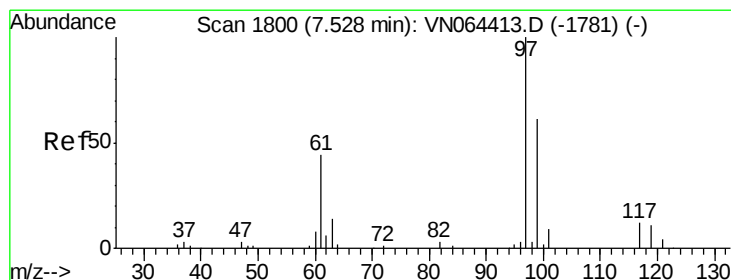
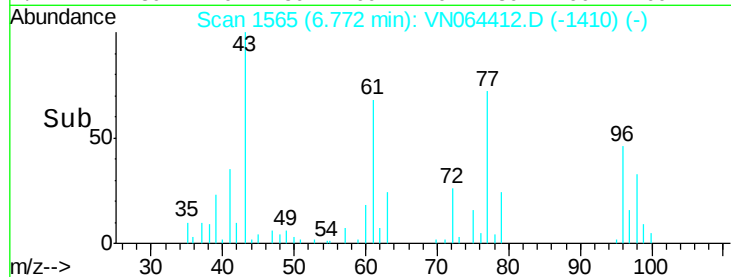
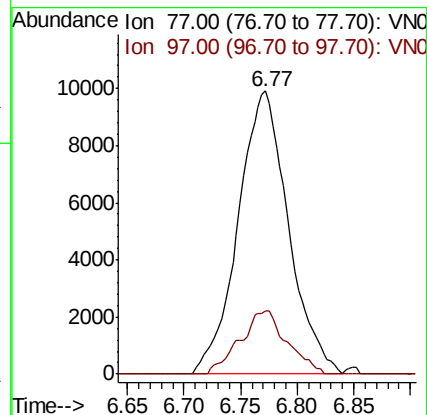
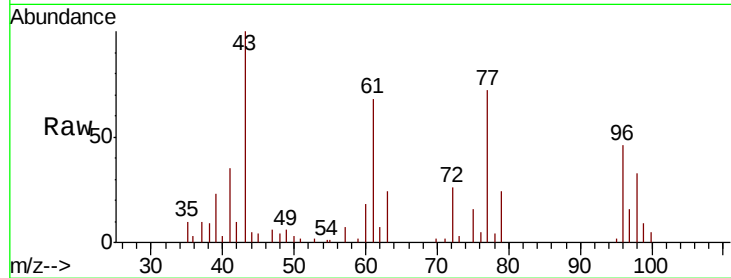
VSTDIC005

Tot Ion: 77 Resp: 30632

Ion Ratio Lower Upper

77 100

97 2.1 17.4 26.0#



#32

1,1,1-Trichloroethane

Concen: 5.119 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

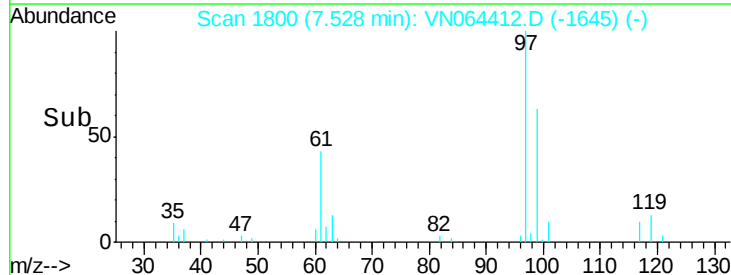
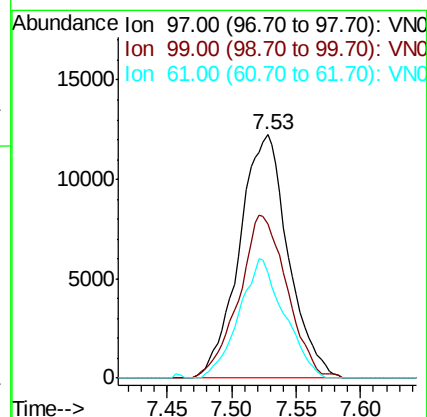
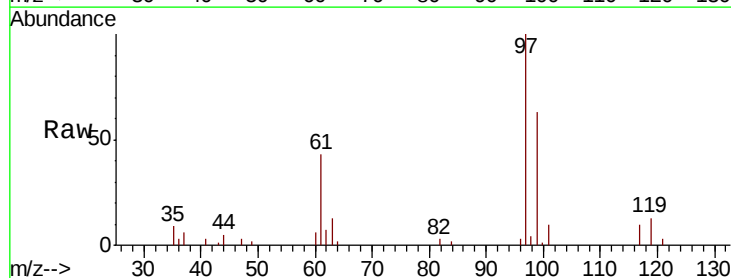
Tgt Ion: 97 Resp: 32409

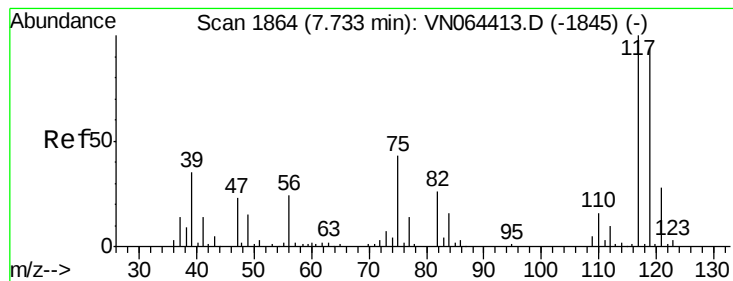
Ion Ratio Lower Upper

97 100

99 65.3 49.8 74.8

61 45.0 34.9 52.3





#33

Carbon Tetrachloride

Concen: 4.868 ug/l

RT: 7.73 min Scan# 1862

Delta R.T. -0.01 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

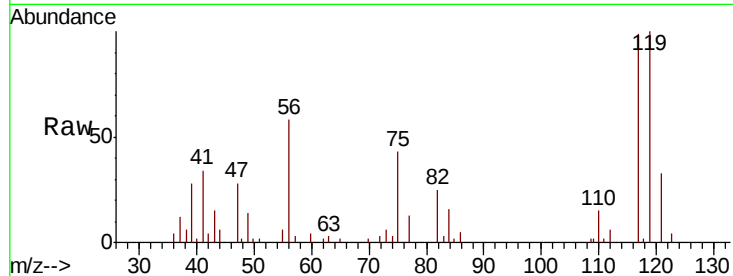
Tot Ion:117 Resp: 28144

Ion Ratio Lower Upper

117 100

119 100.6 75.0 112.4

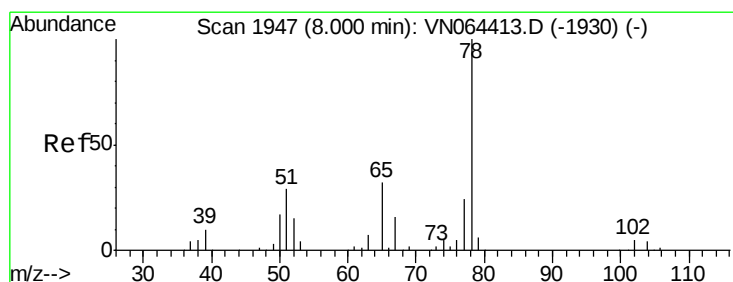
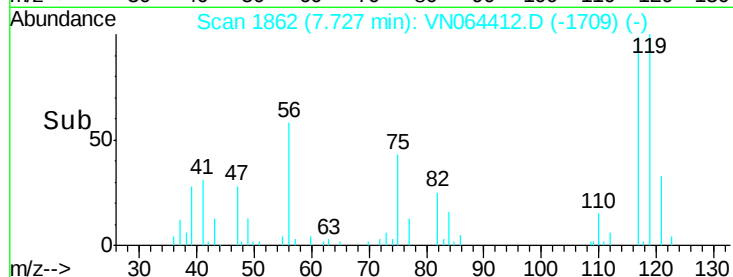
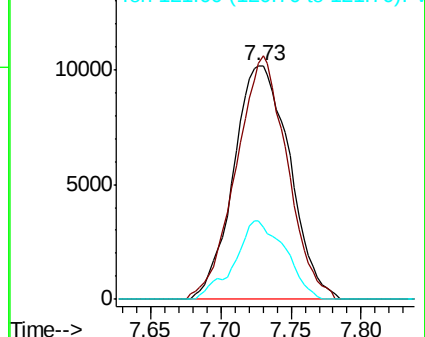
121 33.4 22.1 33.1#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 5.049 ug/l

RT: 8.00 min Scan# 1947

Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

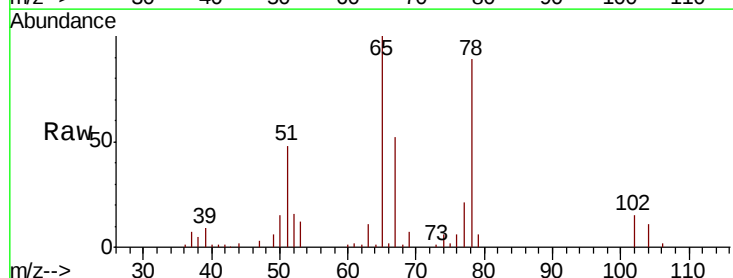
Tgt Ion: 78 Resp: 68557

Ion Ratio Lower Upper

78 100

77 23.9 19.0 28.4

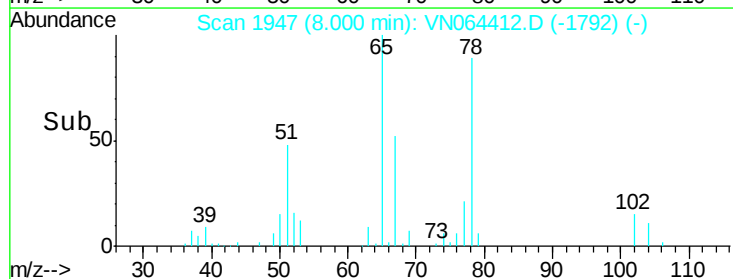
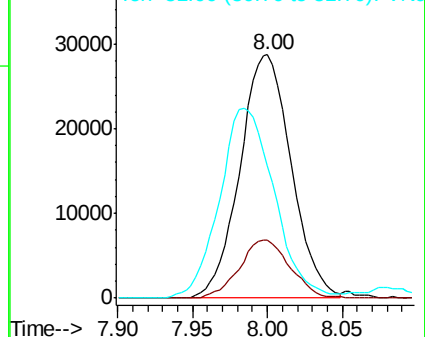
51 52.7 23.1 34.7#

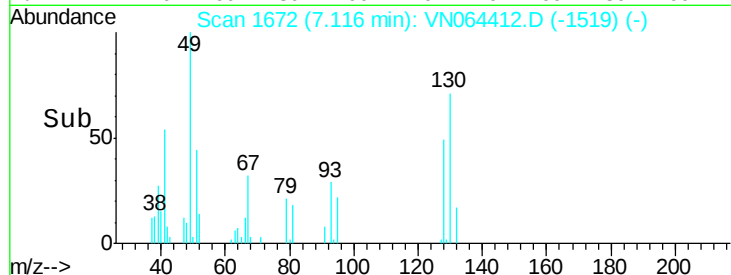
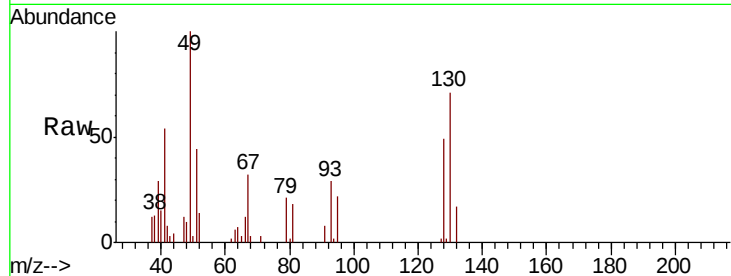
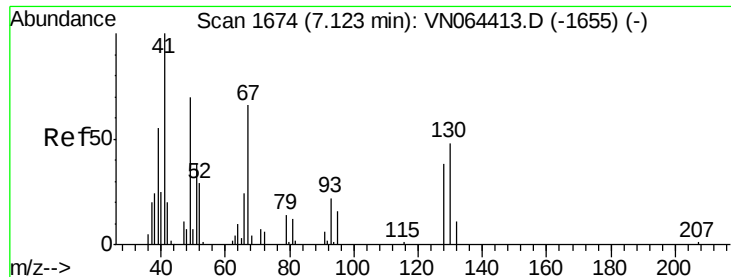


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

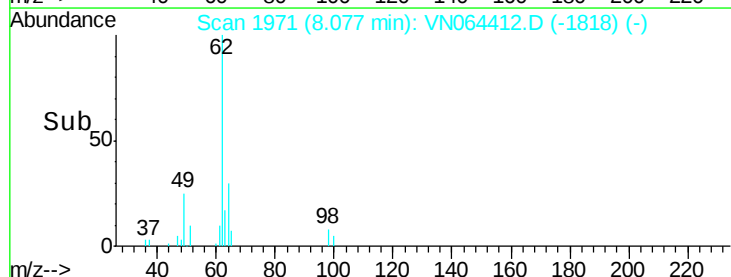
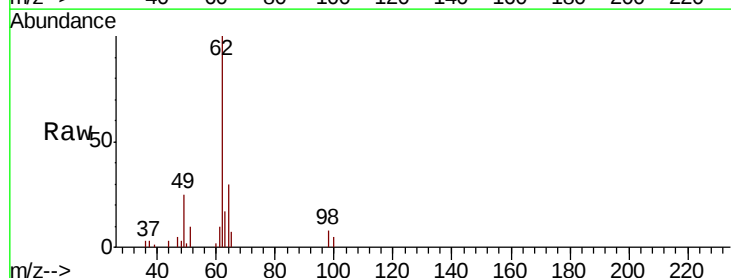
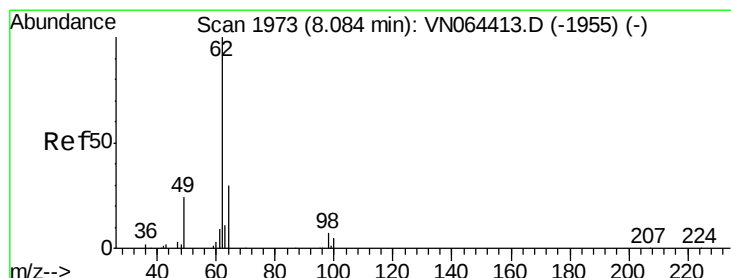
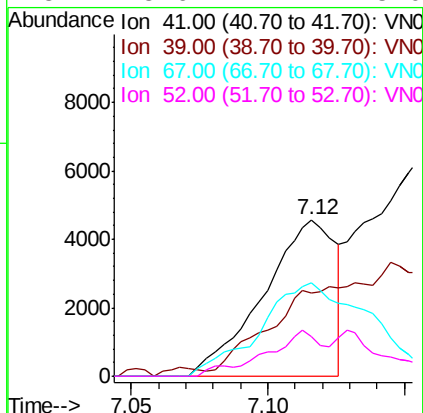




#35
Methacrylonitrile
Concen: 3.463 ug/l
RT: 7.12 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

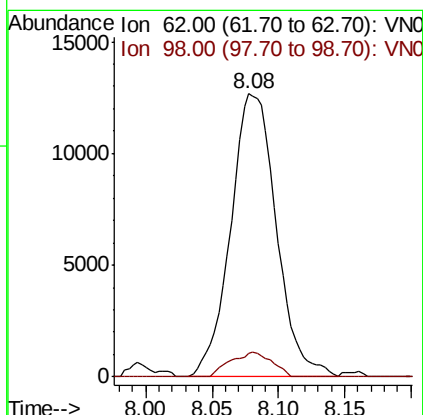
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

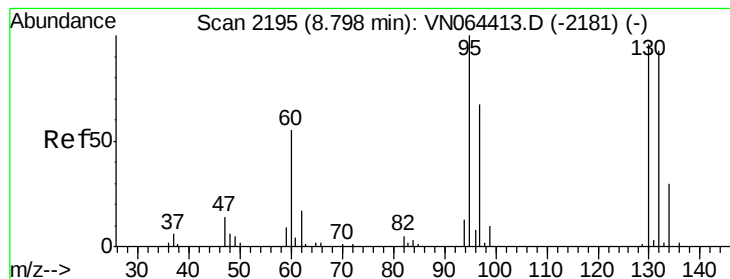
Tot Ion:	41	Resp:	8350
Ion	Ratio	Lower	Upper
41	100		
39	48.4	27.8	83.3
67	59.6	32.9	98.6
52	25.6	14.4	43.0



#36
1,2-Dichloroethane
Concen: 5.102 ug/l
RT: 8.08 min Scan# 1971
Delta R.T. -0.01 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Tgt Ion:	62	Resp:	30381
Ion	Ratio	Lower	Upper
62	100		
98	7.9	6.2	9.2





#37

Trichloroethene

Concen: 5.304 ug/l

RT: 8.80 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

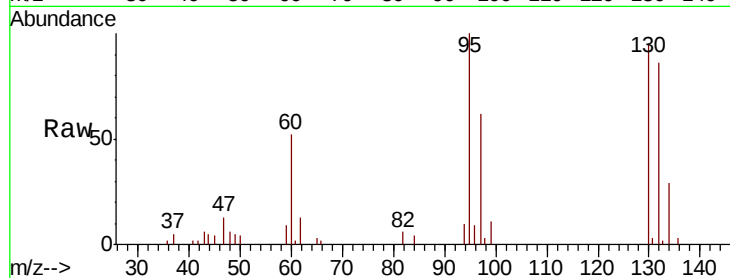
VSTDIC005

Tot Ion:130 Resp: 19705

Ion Ratio Lower Upper

130 100

95 105.6 83.6 125.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.80

12000

10000

8000

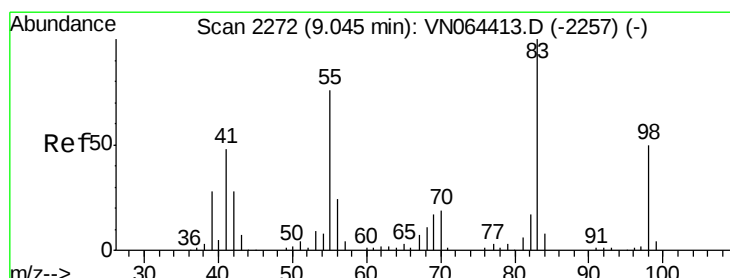
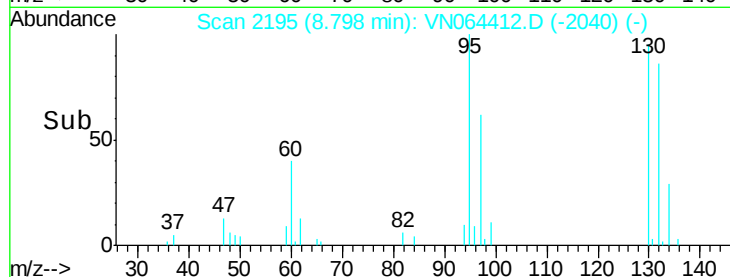
6000

4000

2000

0

Time-->



#38

Methylcyclohexane

Concen: 4.416 ug/l

RT: 9.05 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

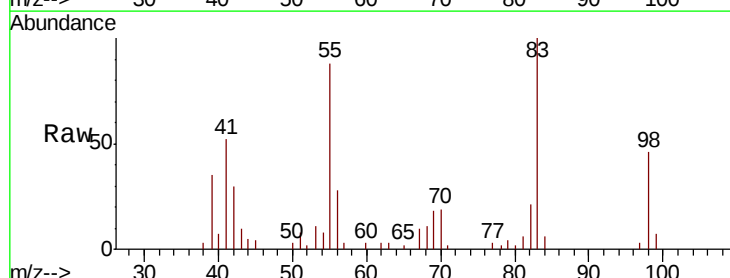
Tgt Ion: 83 Resp: 21250

Ion Ratio Lower Upper

83 100

55 86.7 38.3 114.9

98 48.4 24.6 74.0



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

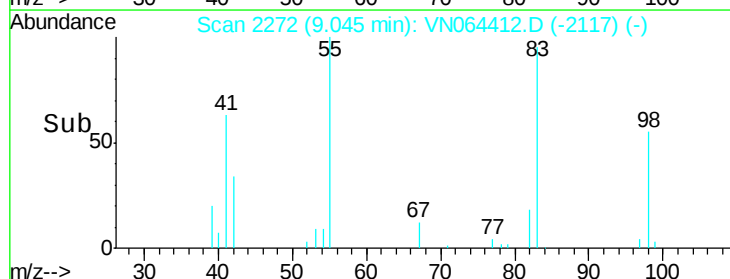
9.05

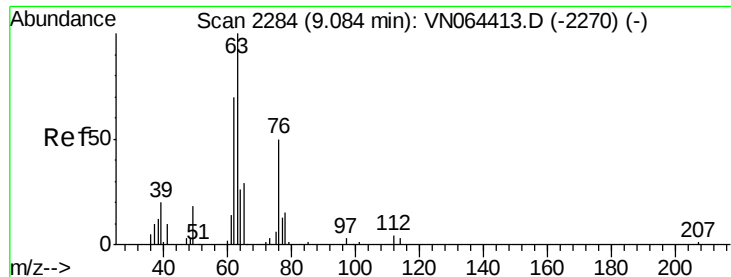
10000

5000

0

Time-->

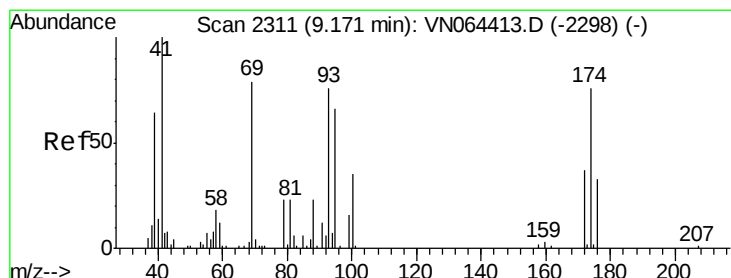
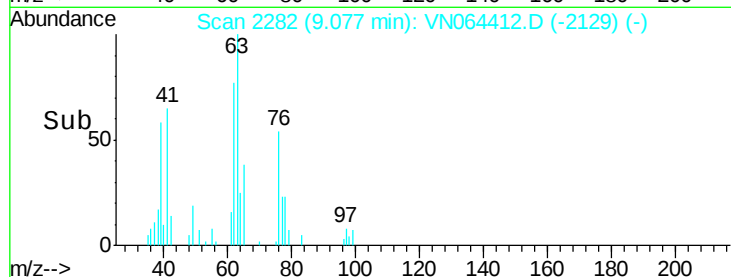
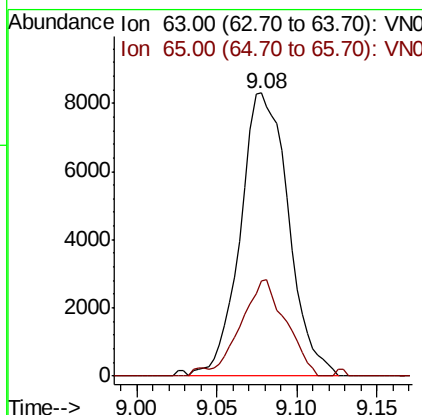
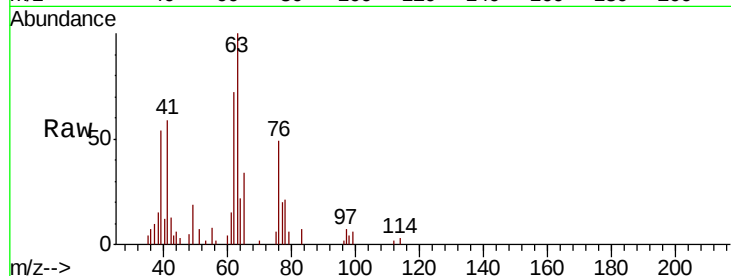




#39
 1,2-Dichloropropane
 Concen: 4.746 ug/l
 RT: 9.08 min Scan# 2282
 Delta R.T. -0.01 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

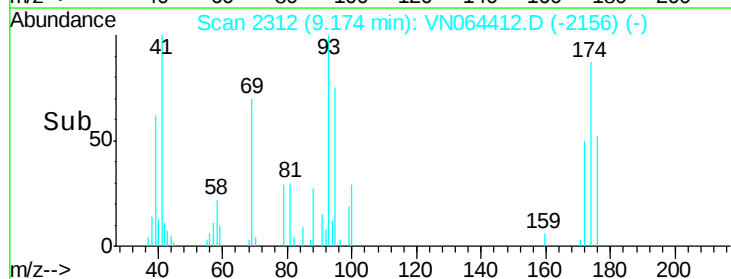
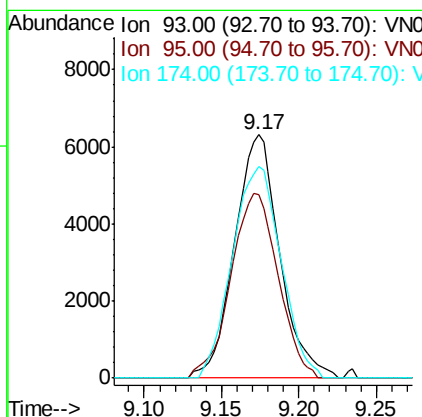
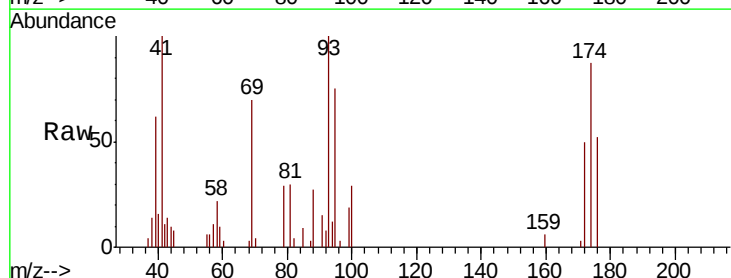
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

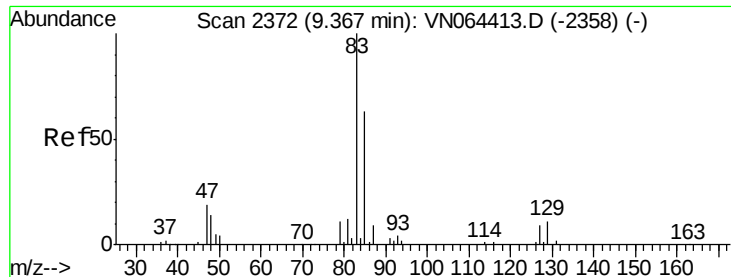
Tot Ion: 63 Resp: 17111
 Ion Ratio Lower Upper
 63 100
 65 33.8 25.0 37.6



#40
 Dibromomethane
 Concen: 5.059 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

Tgt Ion: 93 Resp: 12833
 Ion Ratio Lower Upper
 93 100
 95 79.1 0.0 170.0
 174 93.8 0.0 199.8

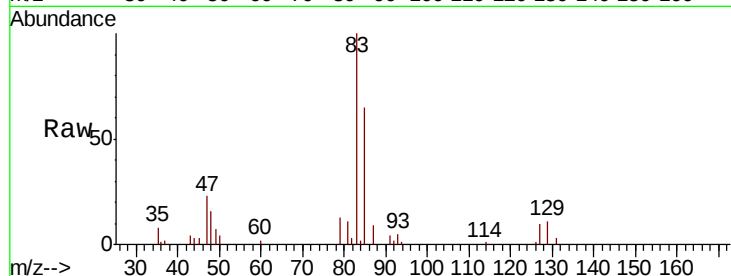




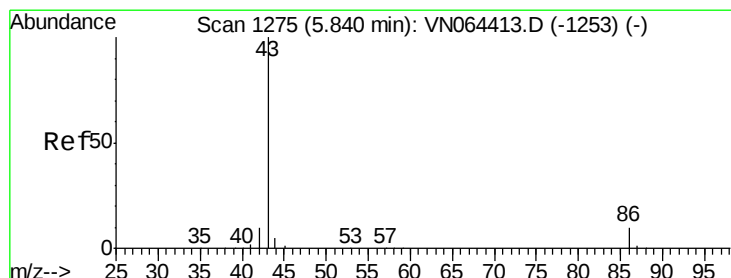
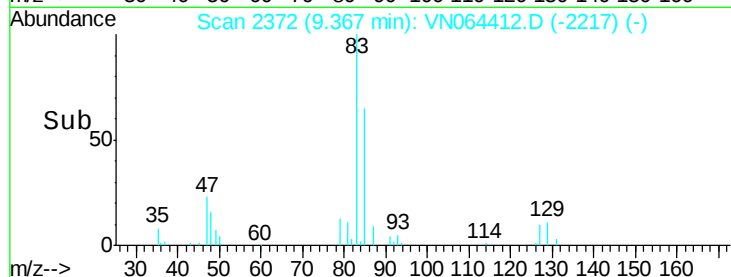
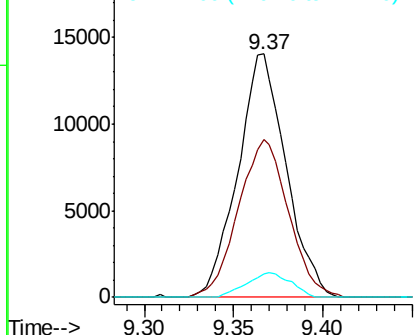
#41
Bromodichloromethane
Concen: 4.835 ug/l
RT: 9.37 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 83 Resp: 26447
Ion Ratio Lower Upper
83 100
85 65.0 50.5 75.7
127 9.7 7.0 10.6

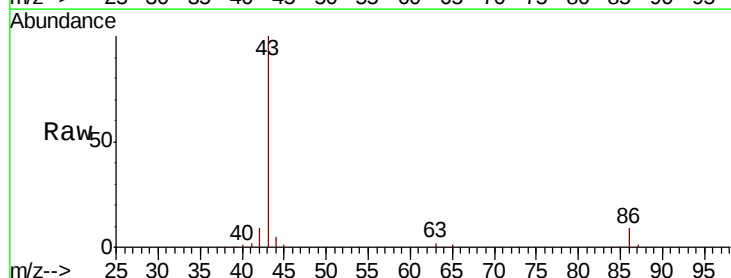


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 85.00 (84.70 to 85.70): VN0
Ion 127.00 (126.70 to 127.70): VN0

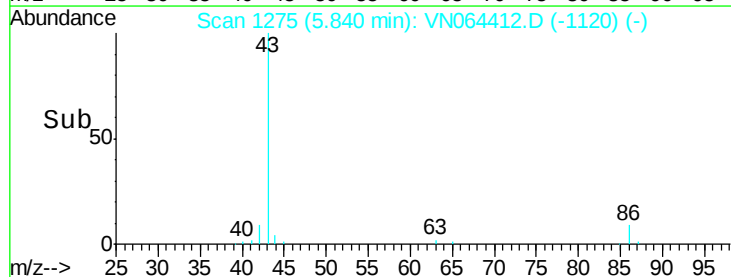
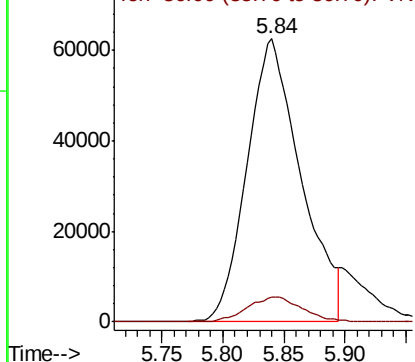


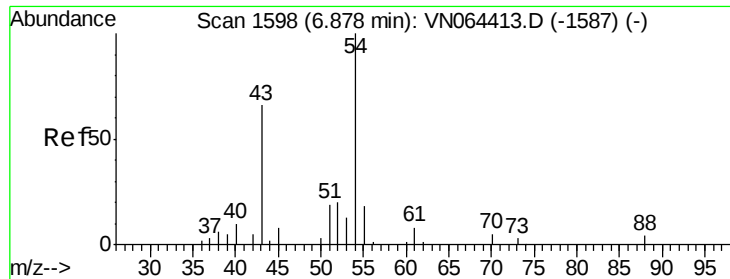
#42
Vinyl Acetate
Concen: 19.186 ug/l
RT: 5.84 min Scan# 1275
Delta R.T. -0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Tgt Ion: 43 Resp: 191324
Ion Ratio Lower Upper
43 100
86 9.0 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0

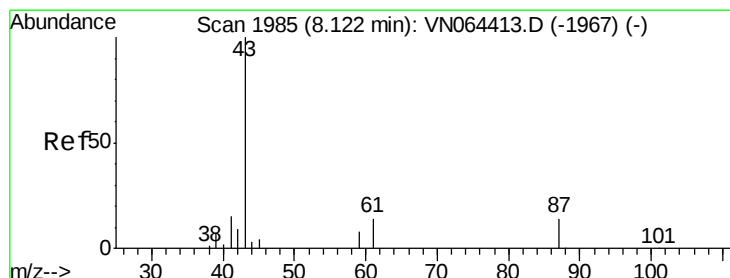
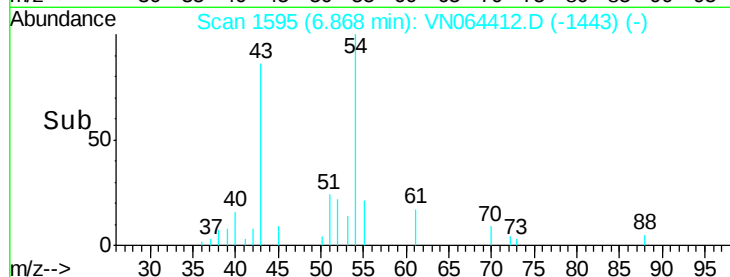
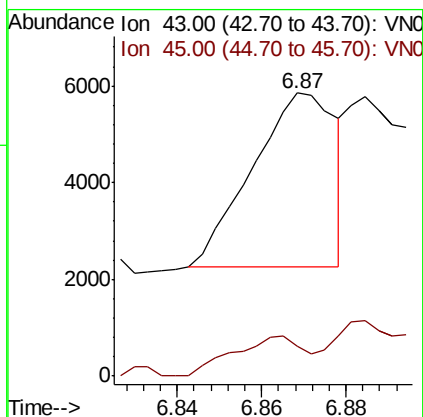
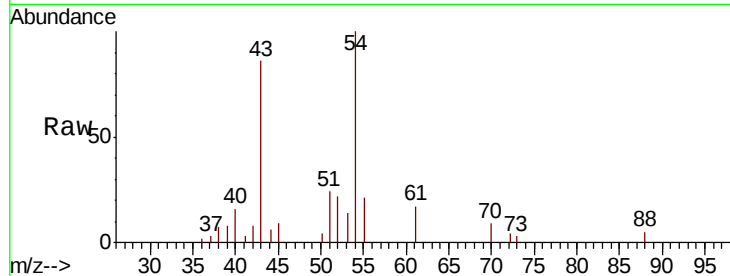




#43
Ethyl Acetate
Concen: 1.061 ug/l
RT: 6.87 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

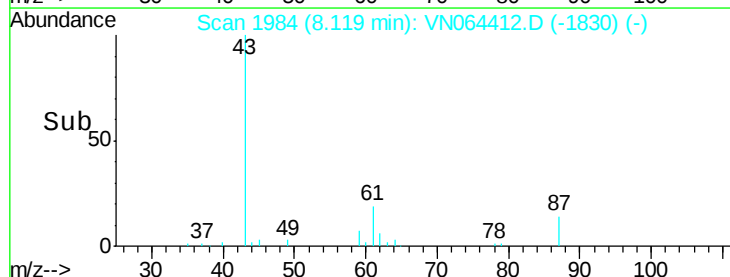
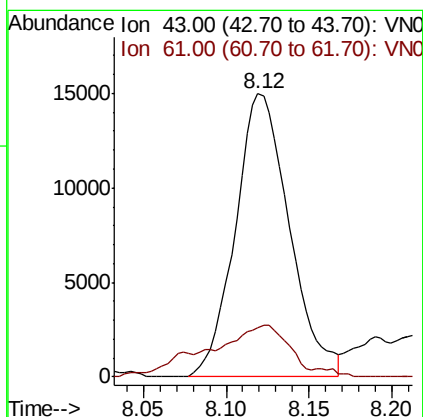
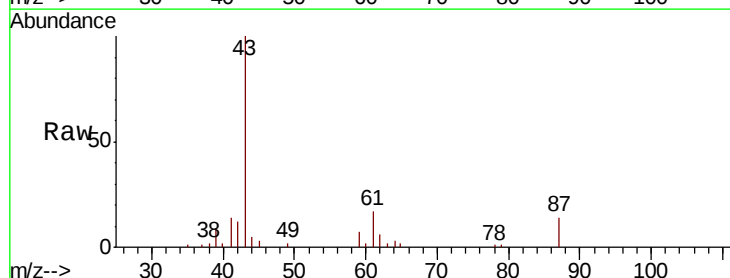
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

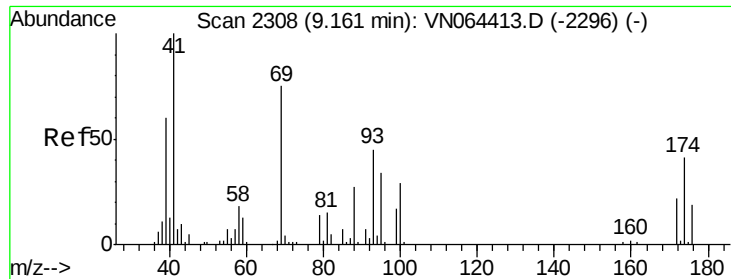
Tot Ion: 43 Resp: 4926
Ion Ratio Lower Upper
43 100
45 19.3 5.2 7.8#



#44
Isopropyl Acetate
Concen: 3.932 ug/l
RT: 8.12 min Scan# 1984
Delta R.T. -0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Tgt Ion: 43 Resp: 34022
Ion Ratio Lower Upper
43 100
61 18.8 0.2 0.4#

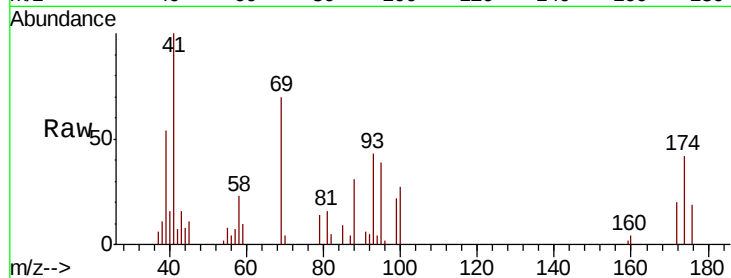




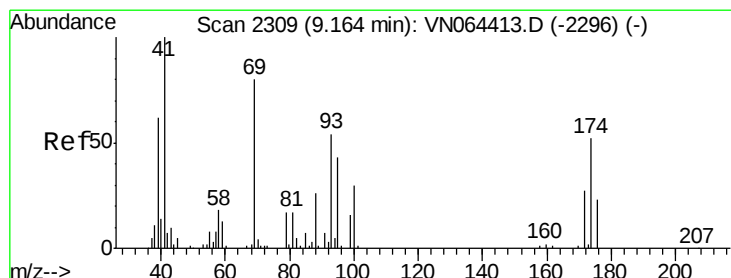
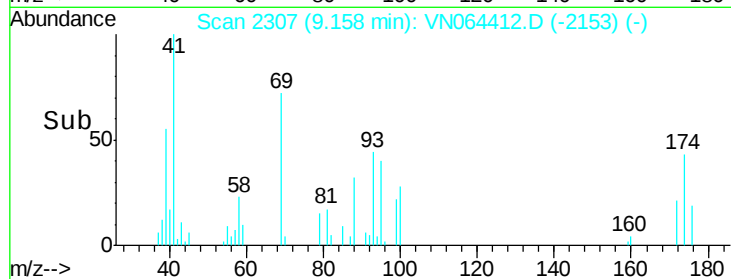
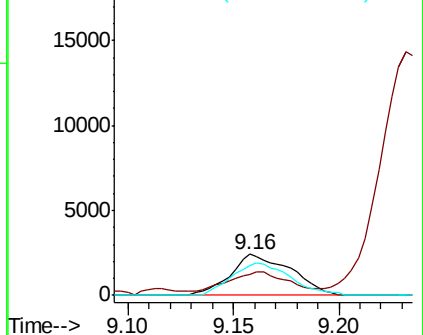
#45
 1,4-Dioxane
 Concen: 72.738 ug/l
 RT: 9.16 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 88 Resp: 4775
 Ion Ratio Lower Upper
 88 100
 43 44.4 32.0 48.0
 58 76.4 59.1 88.7

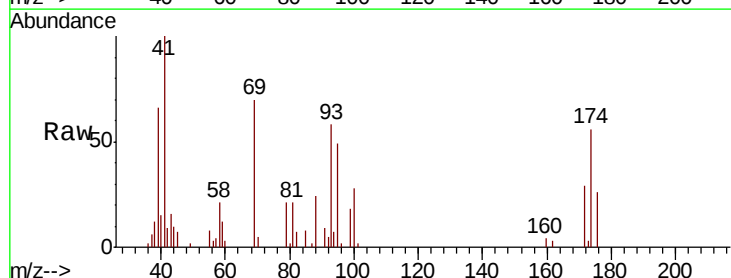


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

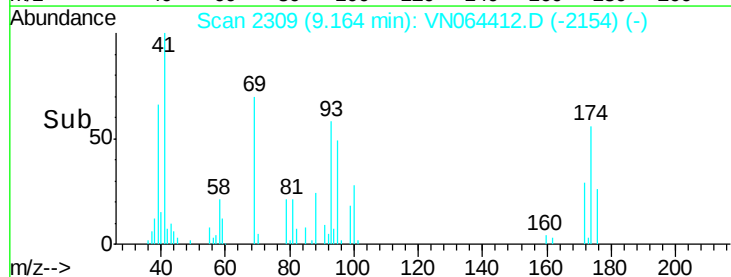
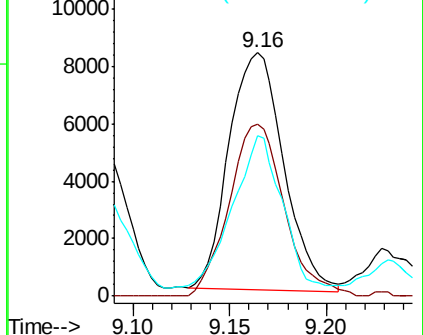


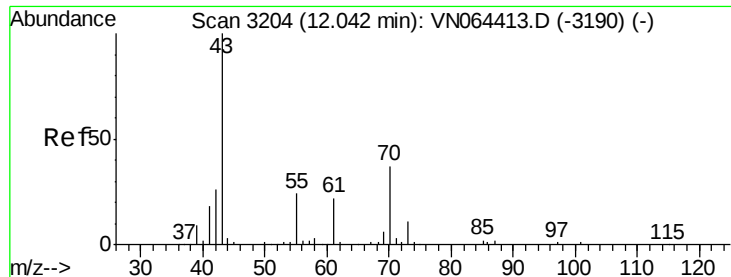
#46
 Methyl methacrylate
 Concen: 3.873 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

Tgt Ion: 41 Resp: 16325
 Ion Ratio Lower Upper
 41 100
 69 73.0 39.8 119.4
 39 64.0 30.5 91.5



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

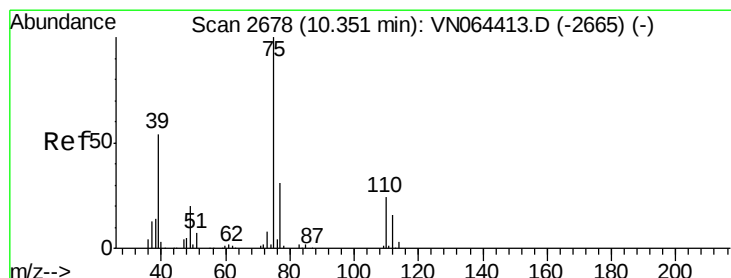
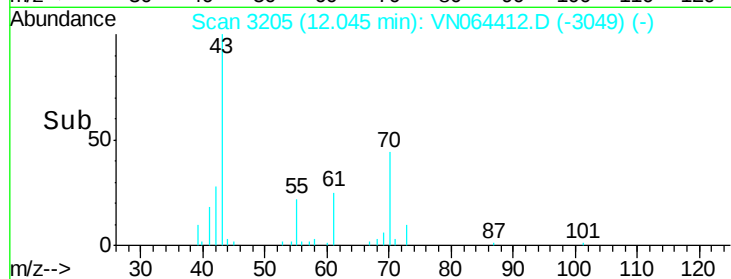
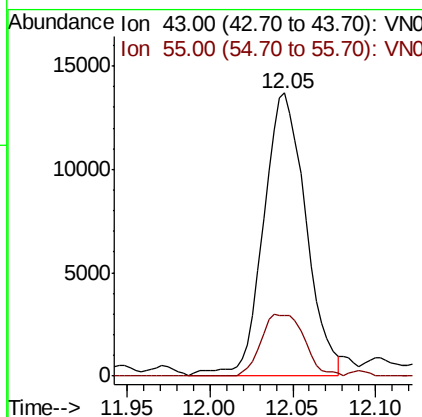
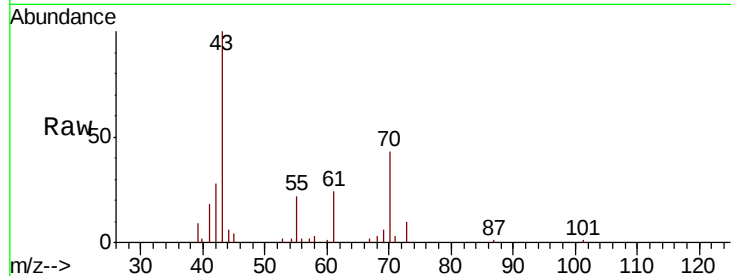




#47
n-amvl Acetate
Concen: 3.351 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

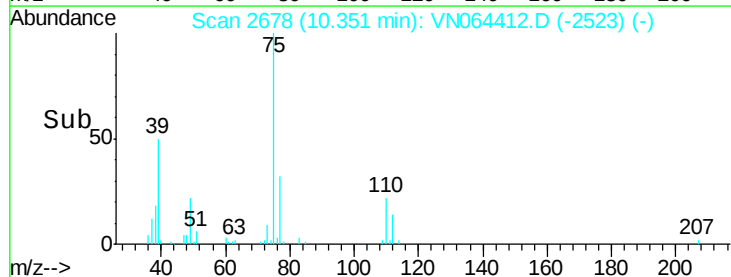
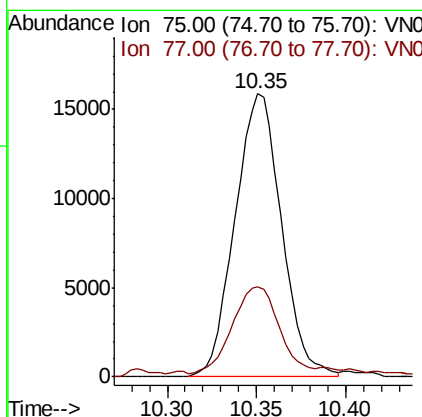
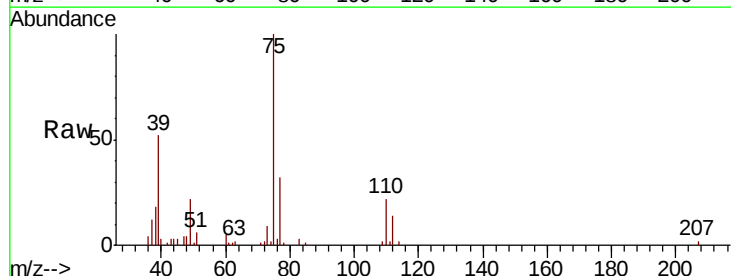
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

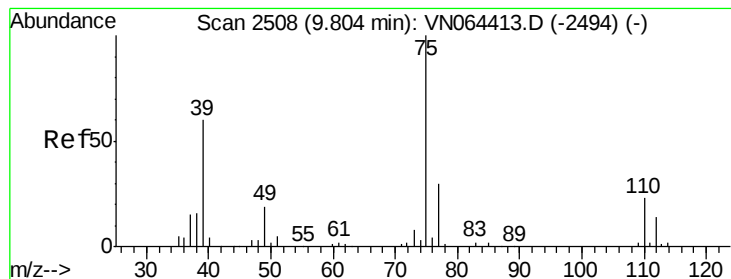
Tot Ion: 43 Resp: 24412
Ion Ratio Lower Upper
43 100
55 12.8 18.1 27.1#



#48
t-1,3-Dichloropropene
Concen: 4.776 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Tgt Ion: 75 Resp: 28997
Ion Ratio Lower Upper
75 100
77 30.6 24.9 37.3





#49

cis-1,3-Dichloropropene

Concen: 4.734 ug/l

RT: 9.80 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

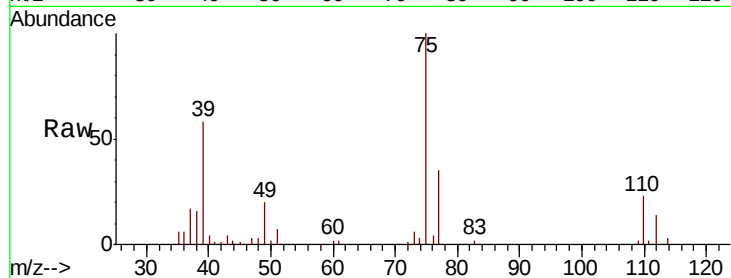
Tot Ion: 75 Resp: 29652

Ion Ratio Lower Upper

75 100

77 34.8 24.3 36.5

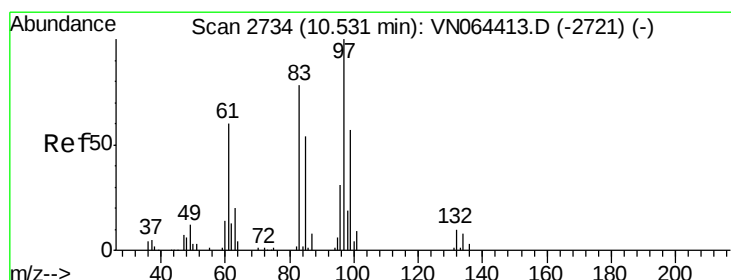
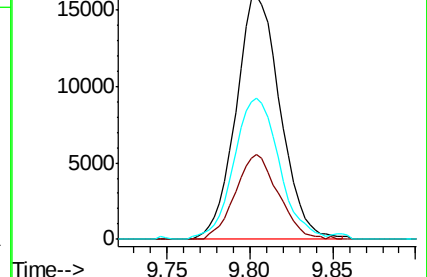
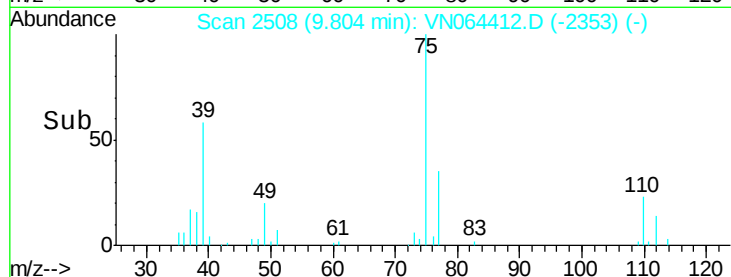
39 57.0 48.0 72.0



Abundance Ion 75.00 (74.70 to 75.70): VN064413.D (-2494) (-)

Ion 77.00 (76.70 to 77.70): VN064413.D (-2494) (-)

Ion 39.00 (38.70 to 39.70): VN064413.D (-2494) (-)



#50

1,1,2-Trichloroethane

Concen: 4.942 ug/l

RT: 10.52 min Scan# 2732

Delta R.T. -0.01 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Tgt Ion: 97 Resp: 16761

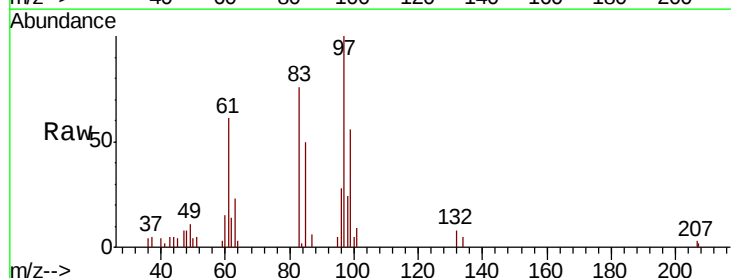
Ion Ratio Lower Upper

97 100

83 76.0 62.4 93.6

85 50.2 42.9 64.3

99 56.4 45.7 68.5

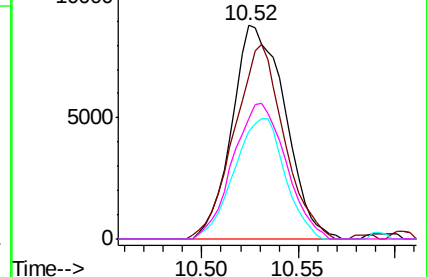
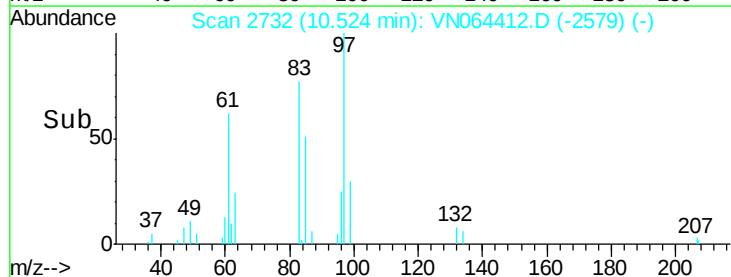


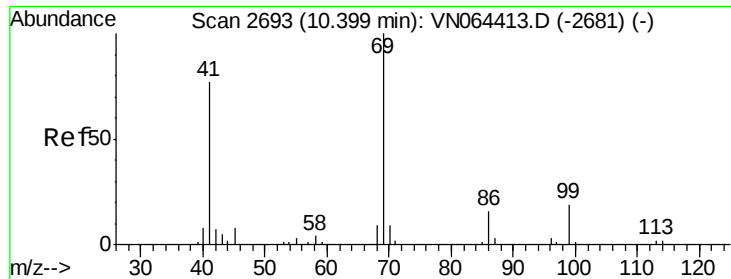
Abundance Ion 97.00 (96.70 to 97.70): VN064413.D (-2721) (-)

Ion 82.95 (82.65 to 83.65): VN064413.D (-2721) (-)

Ion 84.95 (84.65 to 85.65): VN064413.D (-2721) (-)

Ion 98.95 (98.65 to 99.65): VN064413.D (-2721) (-)





#51

Ethyl methacrylate

Concen: 4.097 ug/l

RT: 10.40 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

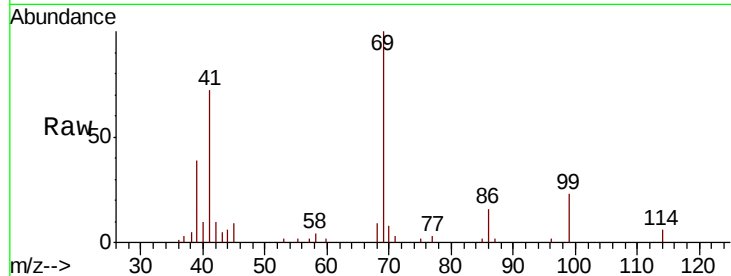
Tot Ion: 69 Resp: 21323

Ion Ratio Lower Upper

69 100

41 70.5 38.4 115.2

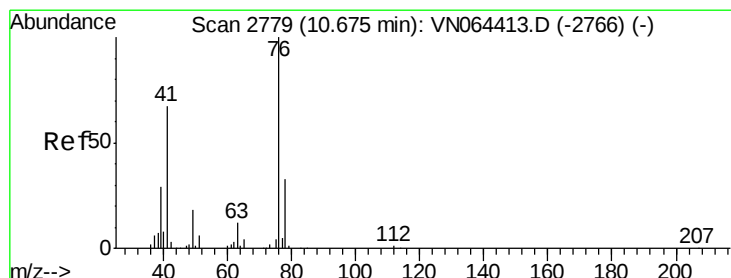
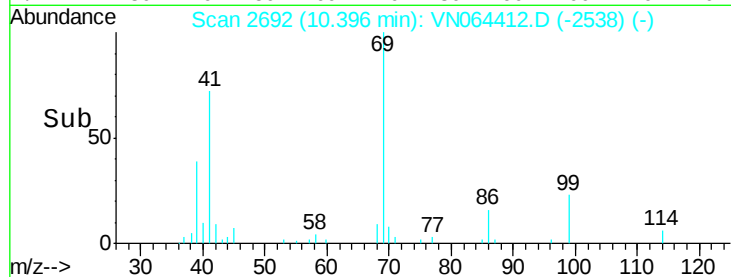
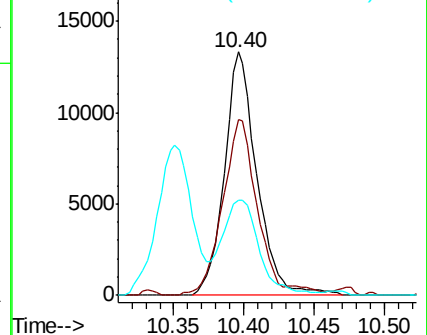
39 37.5 22.7 68.0



Abundance Ion 69.00 (68.70 to 69.70): VN064412.D (-2681) (-)

Ion 41.00 (40.70 to 41.70): VN064412.D (-2681) (-)

Ion 39.00 (38.70 to 39.70): VN064412.D (-2681) (-)



#52

1,3-Dichloropropane

Concen: 4.455 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN064412.D

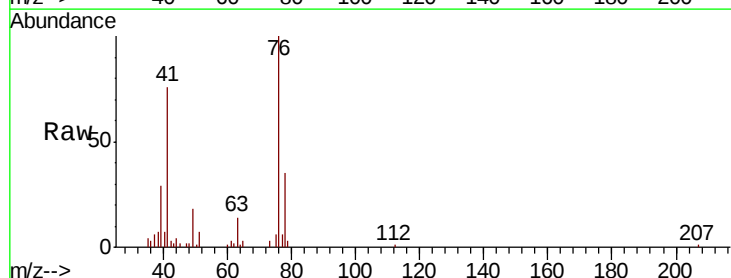
Acq: 2 Nov 2020 13:50

Tgt Ion: 76 Resp: 26443

Ion Ratio Lower Upper

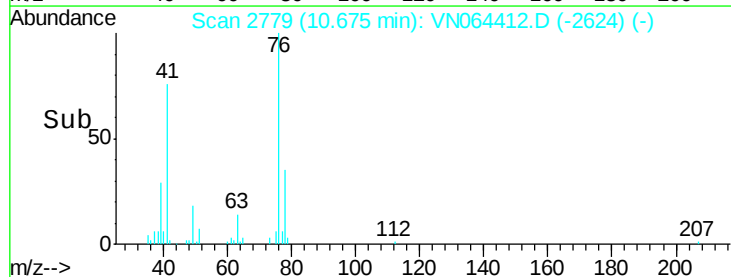
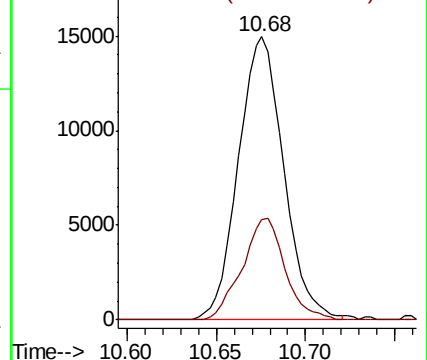
76 100

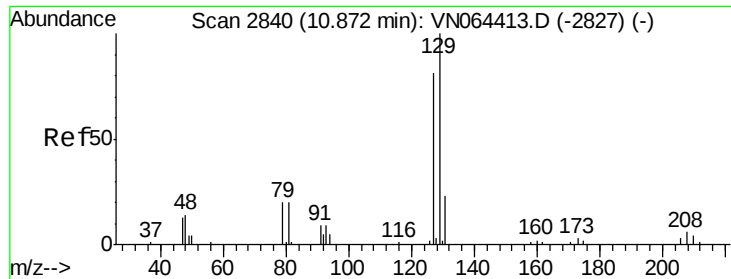
78 34.0 0.0 65.2



Abundance Ion 76.00 (75.70 to 76.70): VN064412.D (-2766) (-)

Ion 78.00 (77.70 to 78.70): VN064412.D (-2766) (-)





#53

Dibromochloromethane

Concen: 4.770 ug/l

RT: 10.87 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

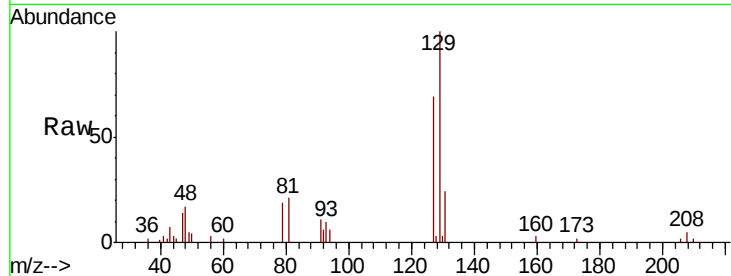
VSTDIC005

Tot Ion:129 Resp: 19727

Ion Ratio Lower Upper

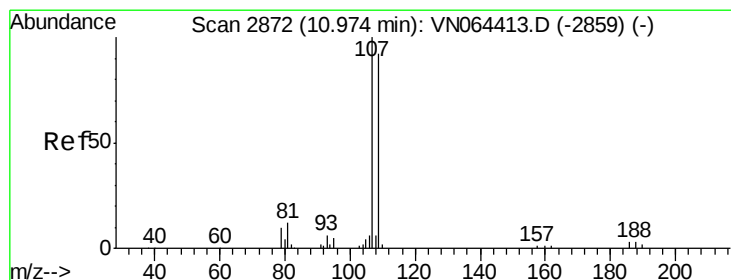
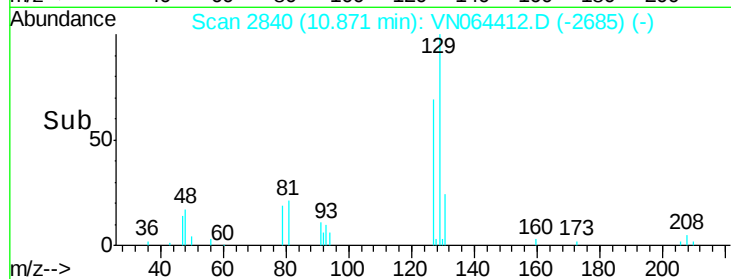
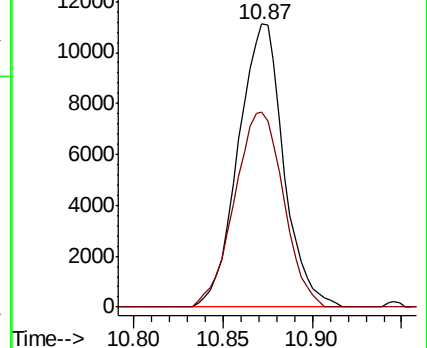
129 100

127 74.1 38.6 115.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 4.939 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN064412.D

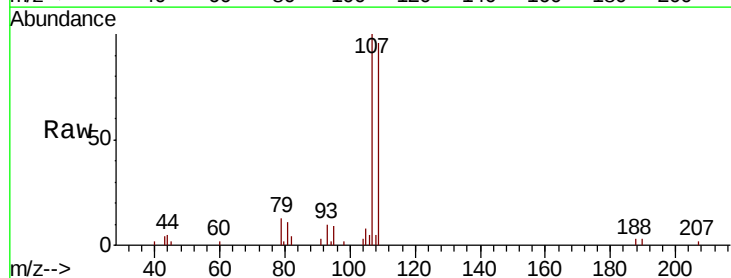
Acq: 2 Nov 2020 13:50

Tgt Ion:107 Resp: 17880

Ion Ratio Lower Upper

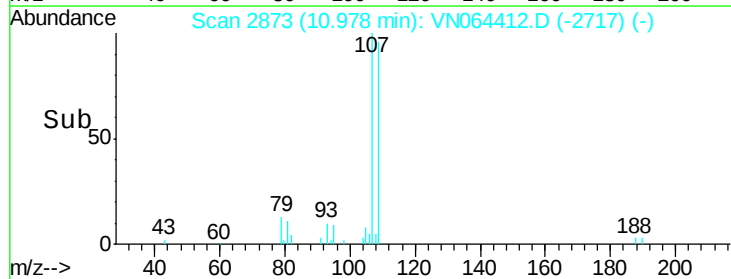
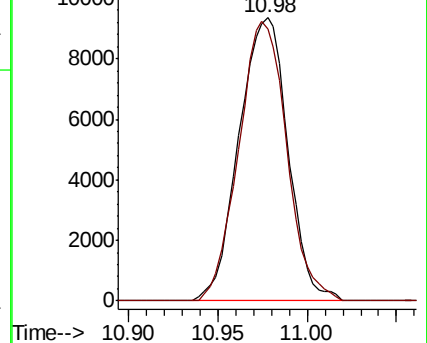
107 100

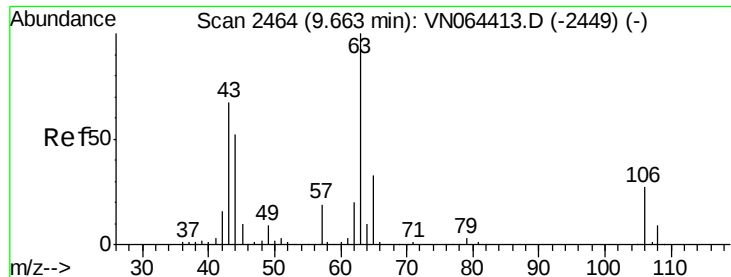
109 96.9 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

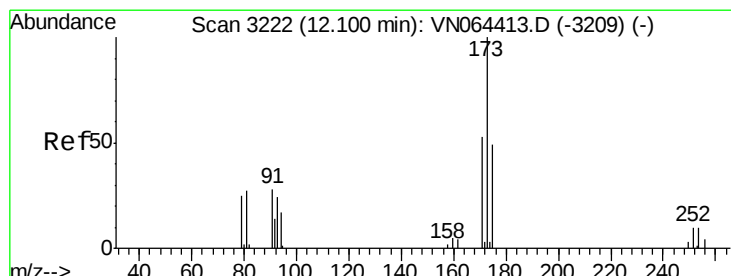
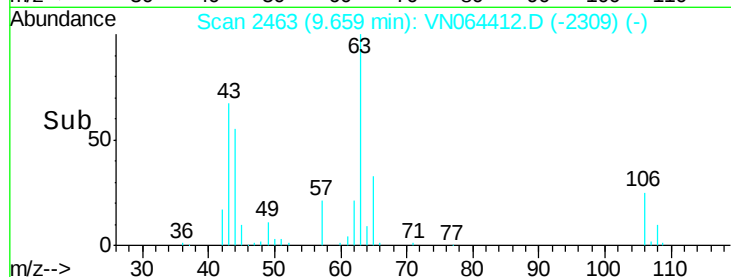
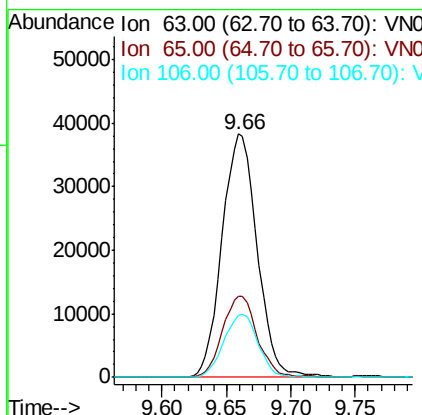
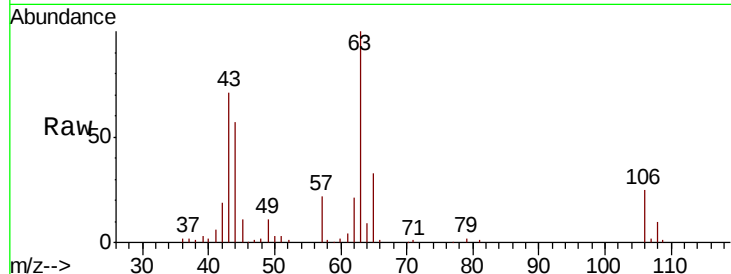




#55
2-Chloroethyl vinyl ether
Concen: 27.813 ug/l
RT: 9.66 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

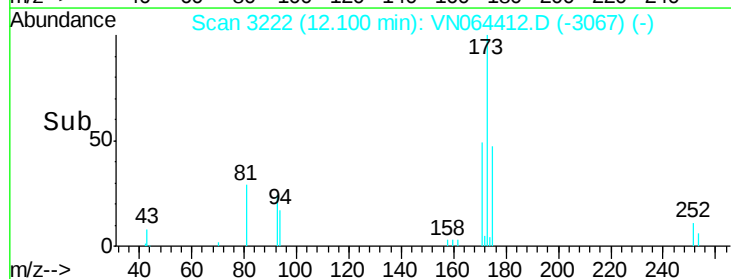
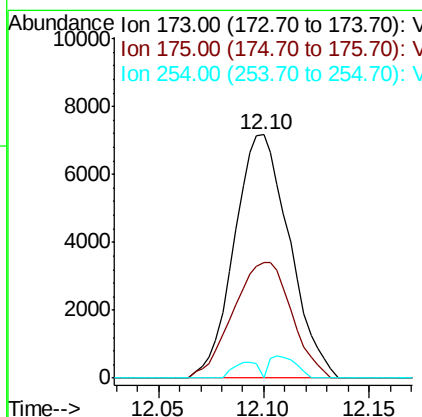
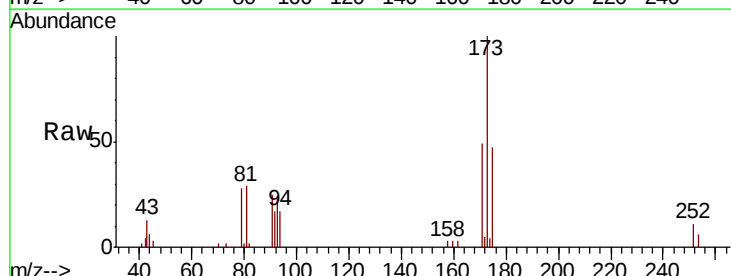
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

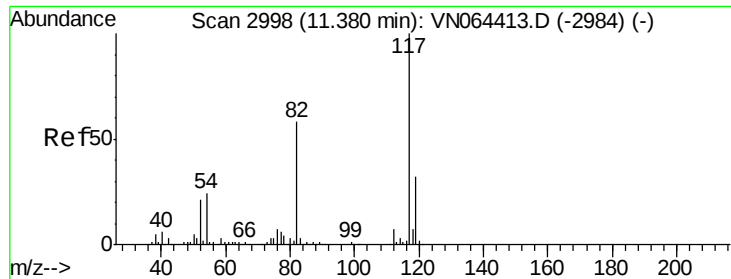
Tot Ion: 63 Resp: 72432
Ion Ratio Lower Upper
63 100
65 32.7 26.2 39.4
106 24.9 21.8 32.6



#56
Bromoform
Concen: 4.439 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Tgt Ion: 173 Resp: 12994
Ion Ratio Lower Upper
173 100
175 50.6 39.0 58.4
254 4.4 7.0 10.6#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.38 min Scan# 2997

Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

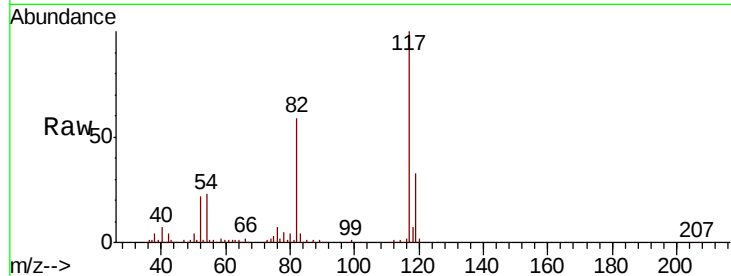
Tot Ion:117 Resp: 262114

Ion Ratio Lower Upper

117 100

82 57.6 46.1 69.1

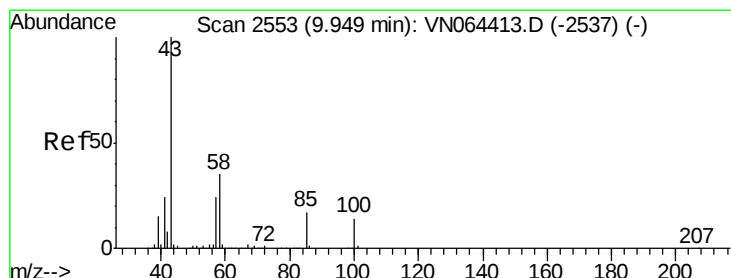
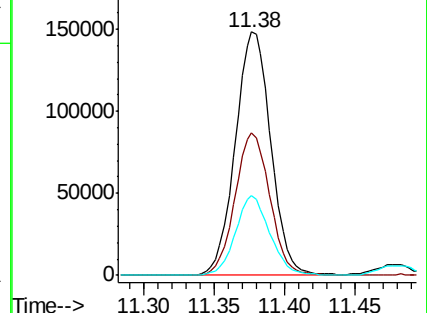
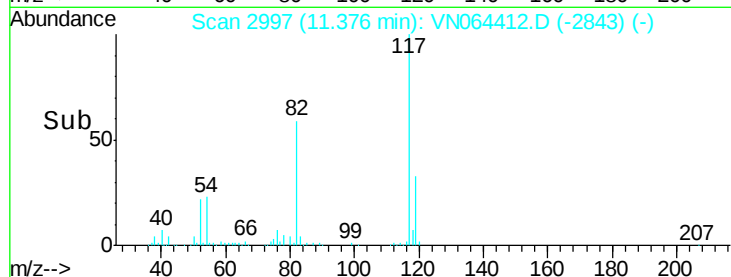
119 31.9 26.2 39.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VNO

Ion 119.00 (118.70 to 119.70): V



#58

4-Methyl-2-Pentanone

Concen: 21.574 ug/l

RT: 9.95 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

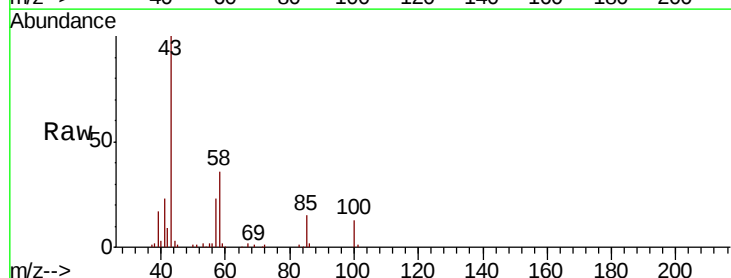
Tgt Ion: 43 Resp: 101276

Ion Ratio Lower Upper

43 100

58 35.0 28.6 43.0

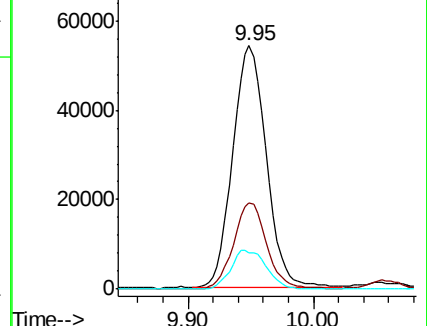
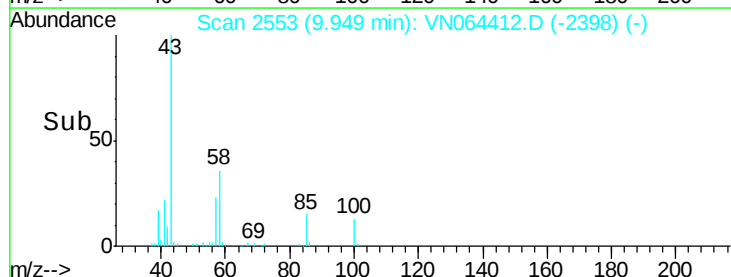
85 16.8 13.5 20.3

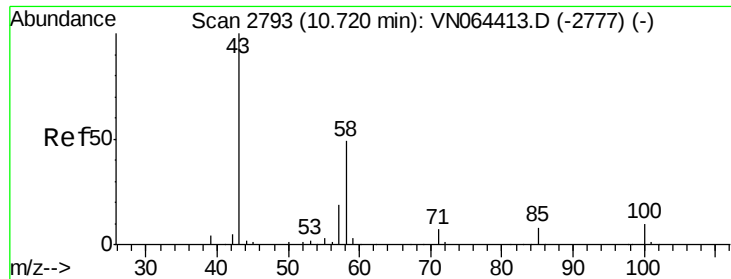


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

Ion 85.00 (84.70 to 85.70): VNO

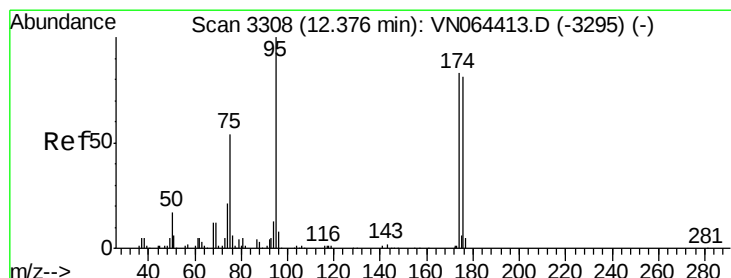
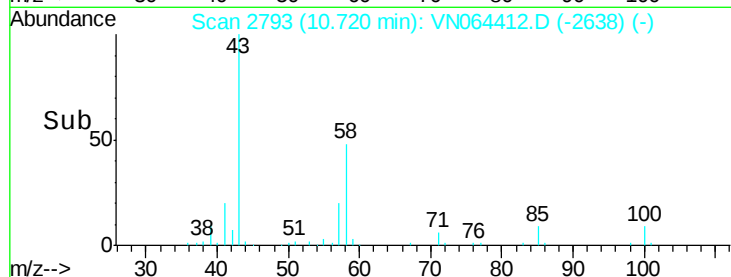
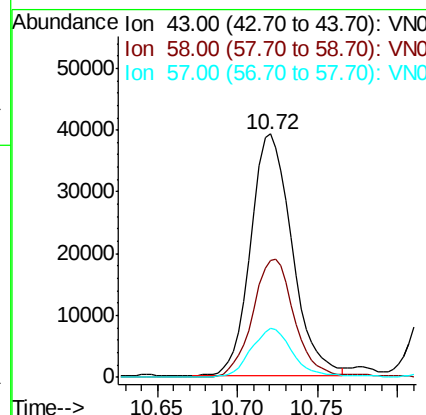
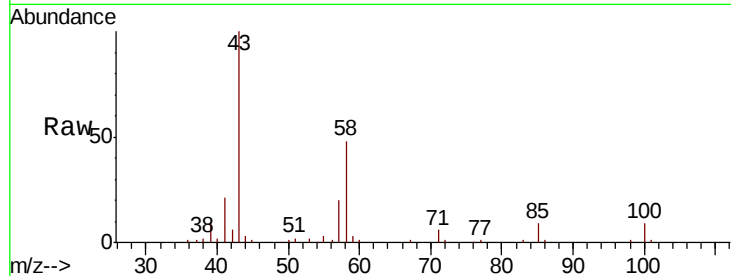




#59
2-Hexanone
Concen: 19.575 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

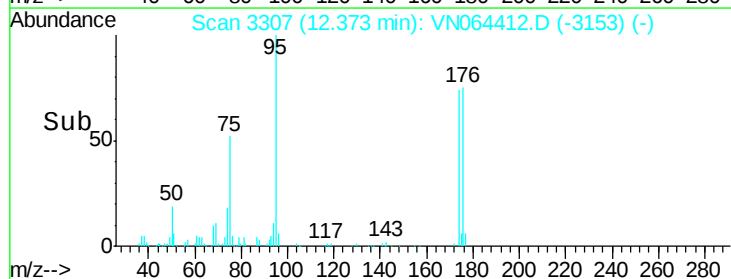
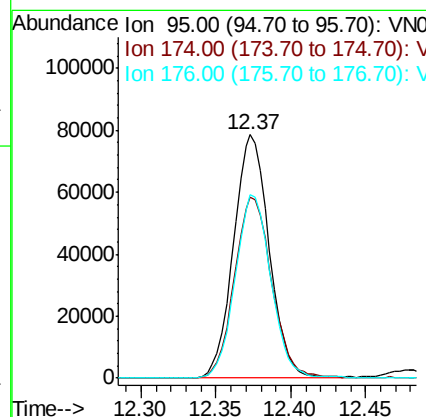
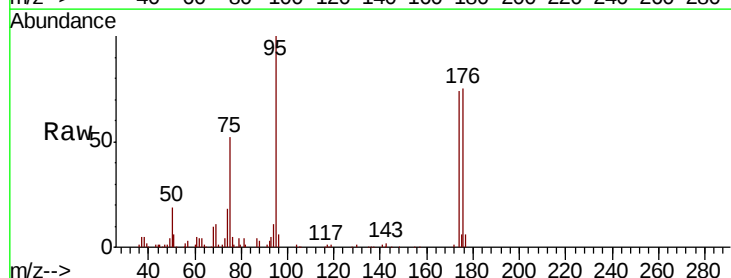
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

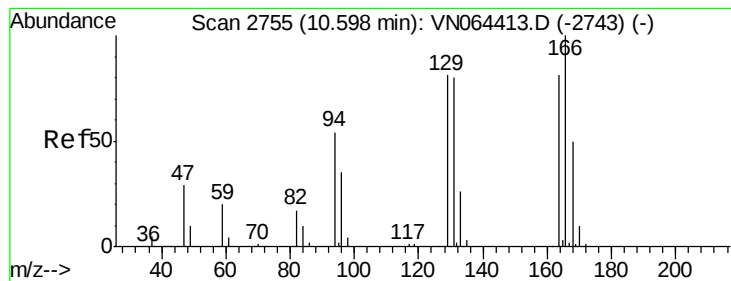
Tot Ion: 43 Resp: 69205
Ion Ratio Lower Upper
43 100
58 49.1 39.4 59.0
57 20.4 14.4 21.6



#60
4-Bromofluorobenzene
Concen: 28.362 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Tgt Ion: 95 Resp: 130415
Ion Ratio Lower Upper
95 100
174 77.8 65.2 97.8
176 75.4 62.2 93.4





#61

Tetrachloroethene

Concen: 5.414 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:164 Resp: 18994

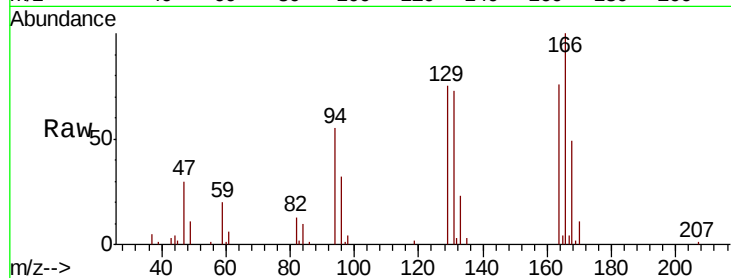
Ion Ratio Lower Upper

164 100

166 131.9 98.7 148.1

129 98.6 80.2 120.4

131 95.3 78.7 118.1

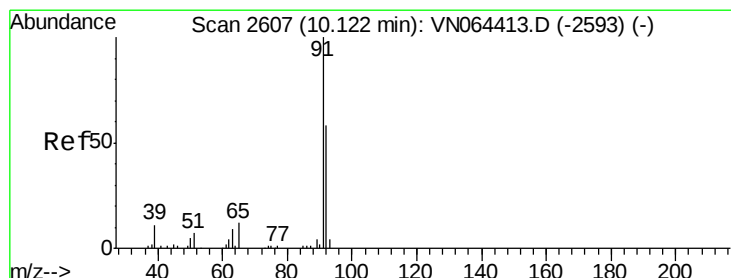
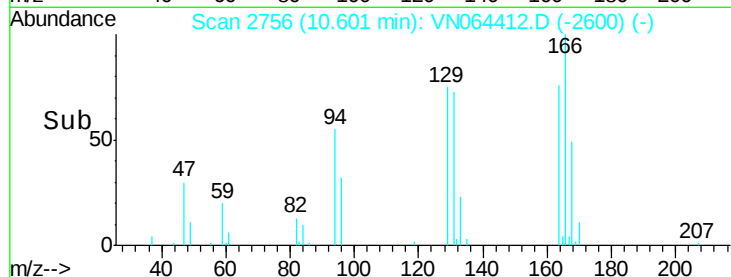
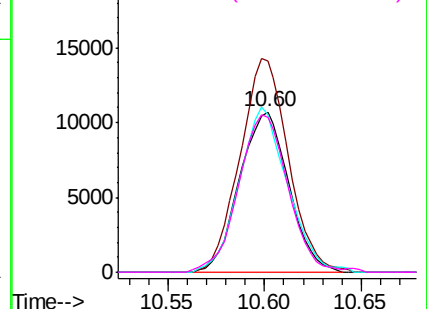


Abundance Ion 163.85 (163.55 to 164.55): V

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: 5.454 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064412.D

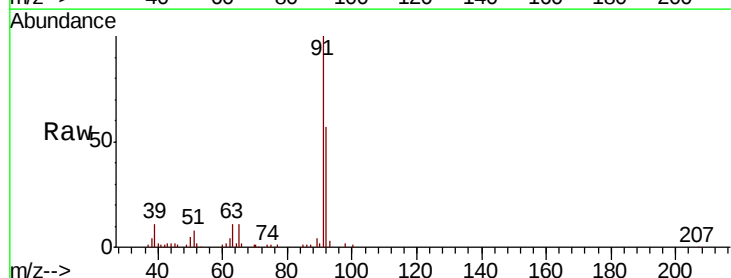
Acq: 2 Nov 2020 13:50

Tgt Ion: 91 Resp: 78946

Ion Ratio Lower Upper

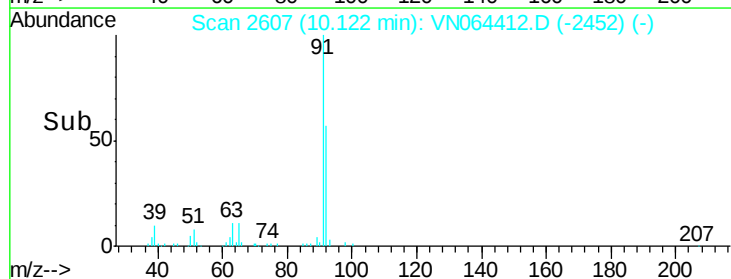
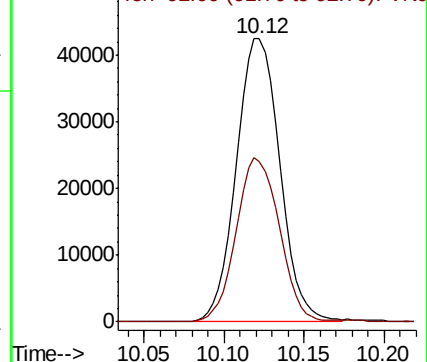
91 100

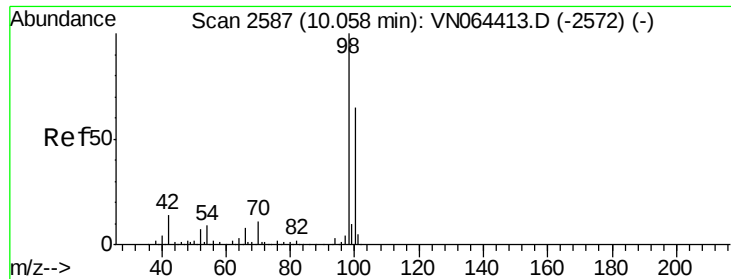
92 57.5 46.2 69.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.498 ug/l

RT: 10.05 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

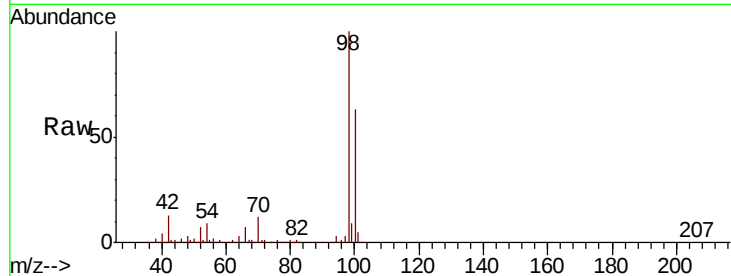
VSTDIC005

Tot Ion: 98 Resp: 355309

Ion Ratio Lower Upper

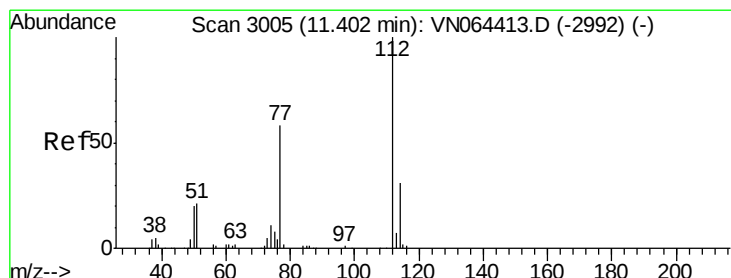
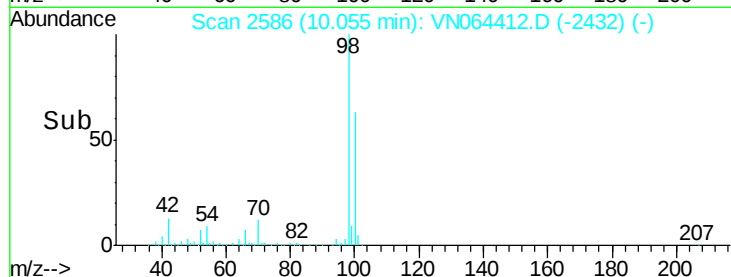
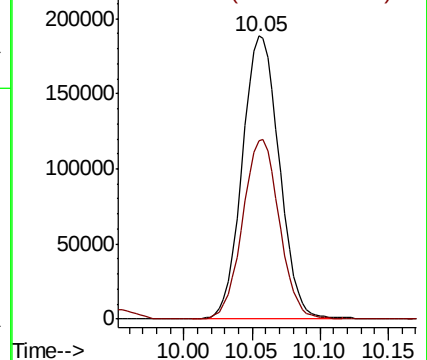
98 100

100 63.0 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#64

Chlorobenzene

Concen: 5.302 ug/l

RT: 11.40 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VN064412.D

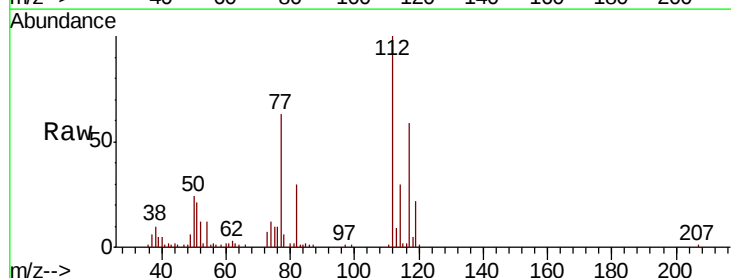
Acq: 2 Nov 2020 13:50

Tgt Ion: 112 Resp: 47914

Ion Ratio Lower Upper

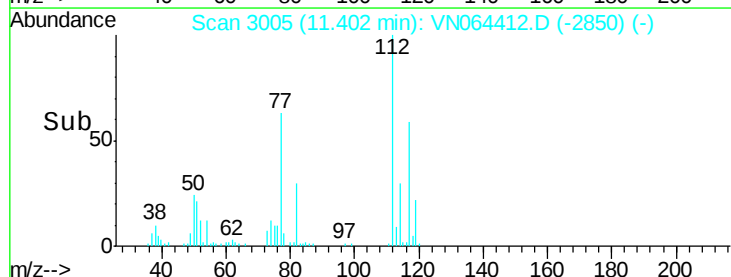
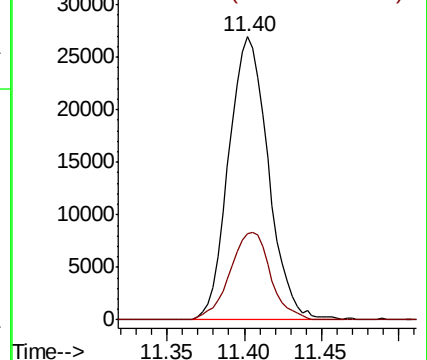
112 100

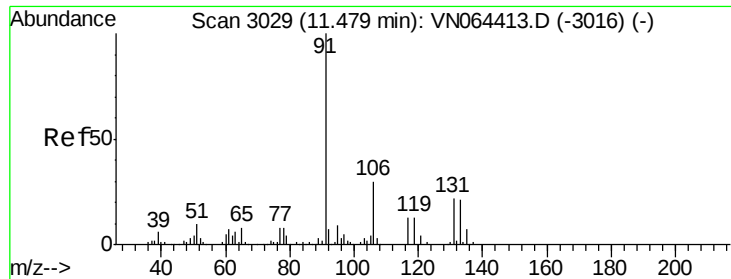
114 30.4 24.8 37.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#65

1,1,1,2-Tetrachloroethane

Concen: 4.775 ug/l

RT: 11.48 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

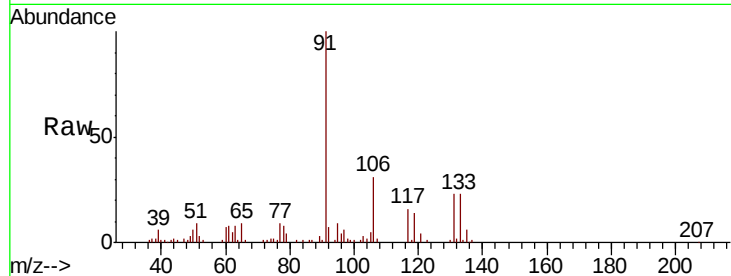
Tot Ion:131 Resp: 17025

Ion Ratio Lower Upper

131 100

133 101.9 0.0 191.2

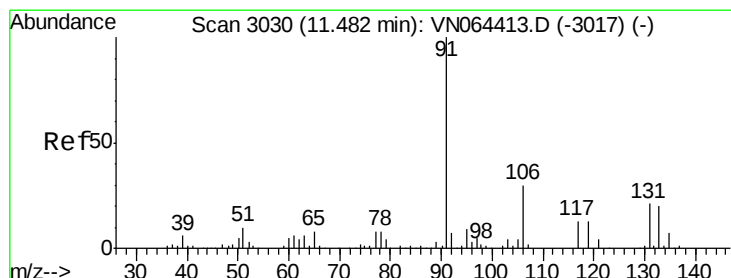
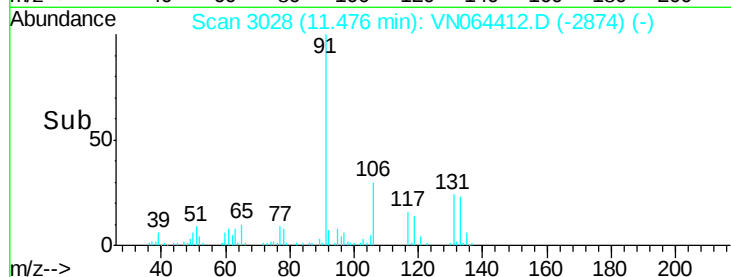
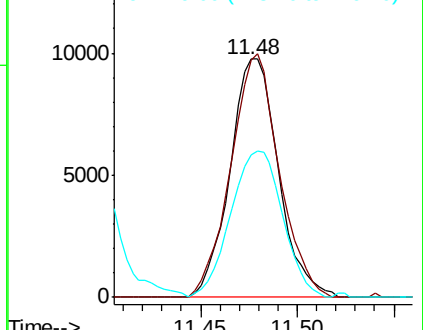
119 65.7 0.0 125.6



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 5.009 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. -0.00 min

Lab File: VN064412.D

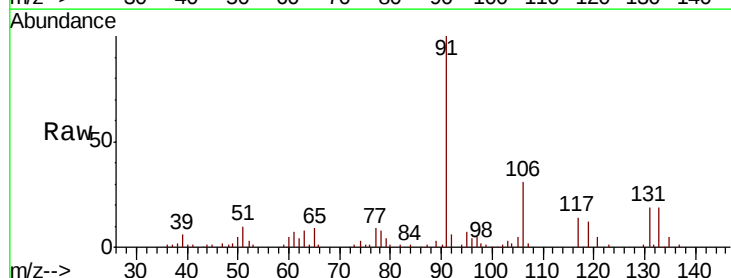
Acq: 2 Nov 2020 13:50

Tgt Ion: 91 Resp: 82030

Ion Ratio Lower Upper

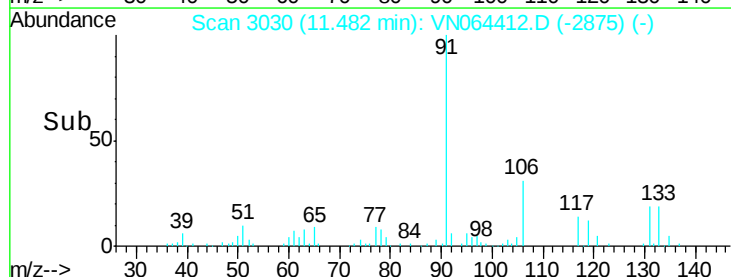
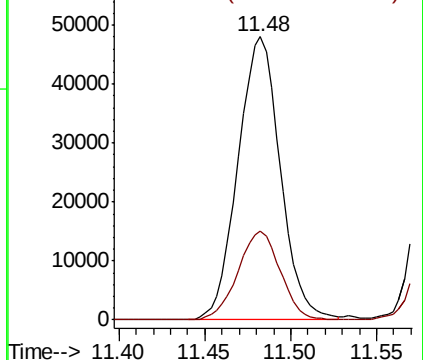
91 100

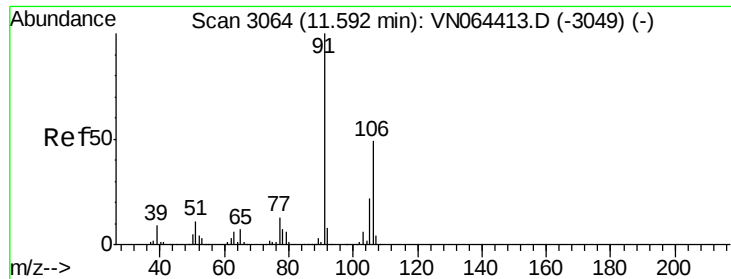
106 31.3 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 9.755 ug/l

RT: 11.59 min Scan# 3064

Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

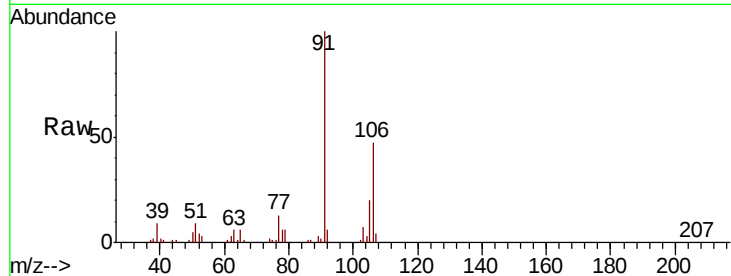
VSTDIC005

Tot Ion:106 Resp: 59165

Ion Ratio Lower Upper

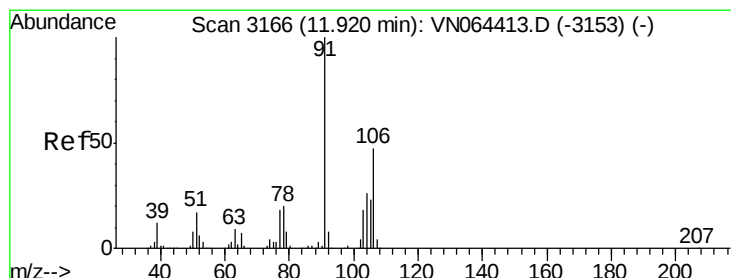
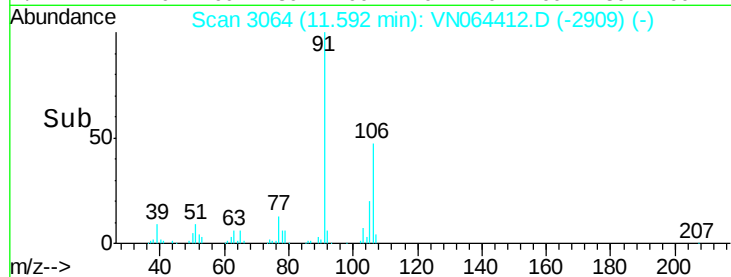
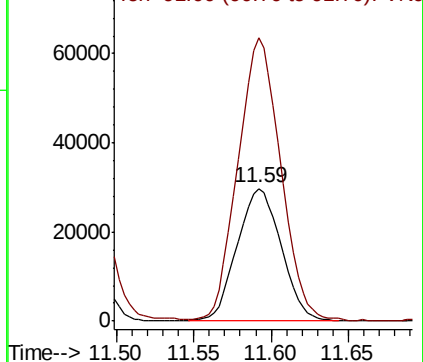
106 100

91 207.4 166.8 250.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 4.928 ug/l

RT: 11.92 min Scan# 3166

Delta R.T. -0.00 min

Lab File: VN064412.D

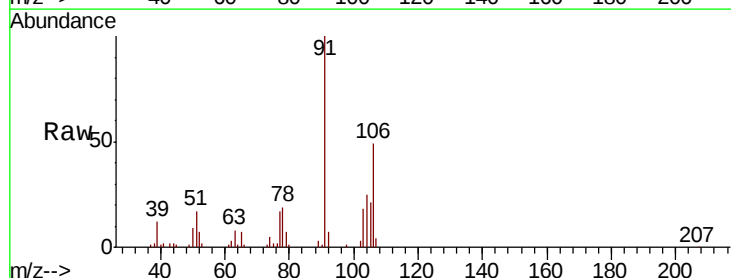
Acq: 2 Nov 2020 13:50

Tgt Ion:106 Resp: 29337

Ion Ratio Lower Upper

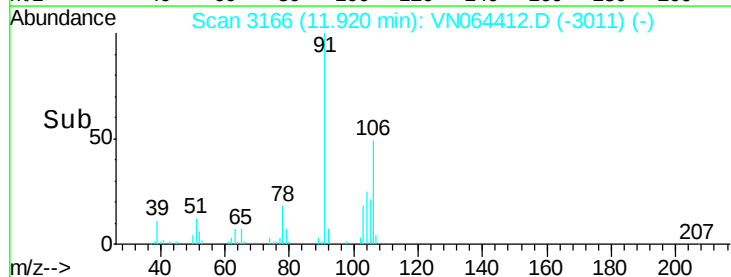
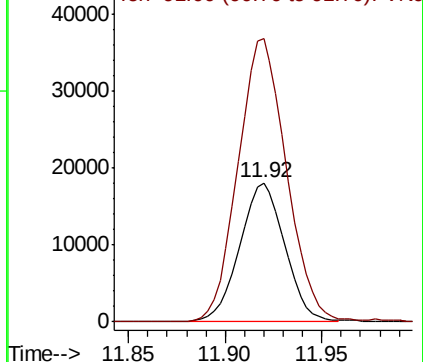
106 100

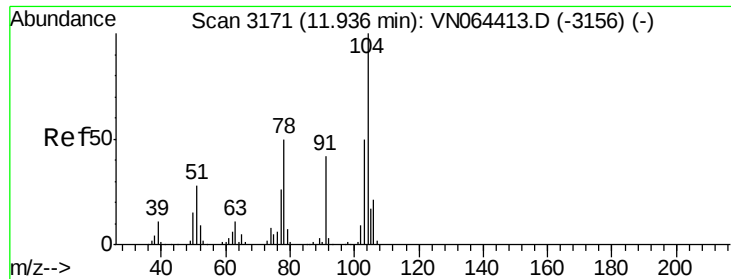
91 218.5 106.7 320.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

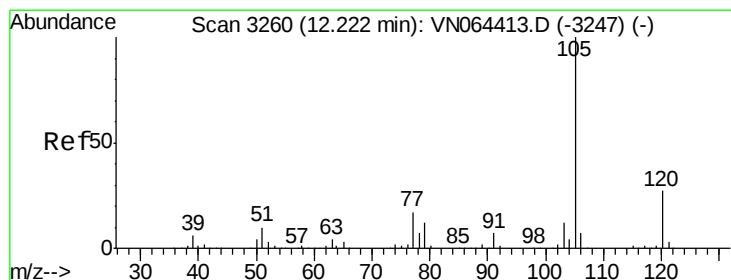
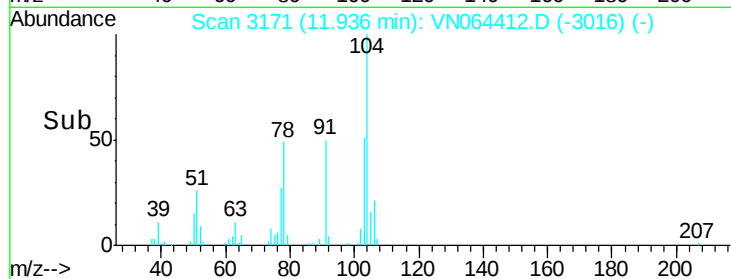
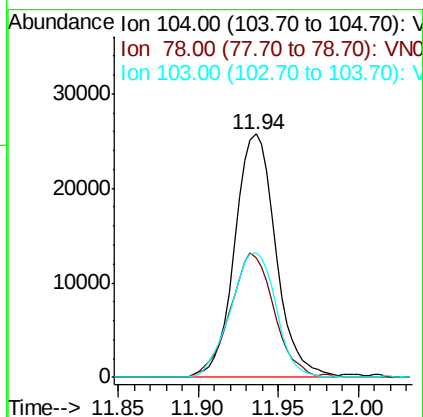
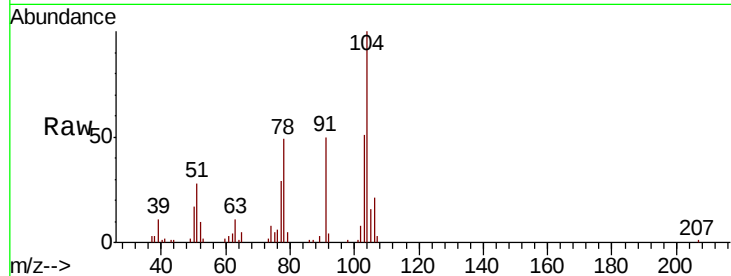




#69
Stvrene
Concen: 4.583 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

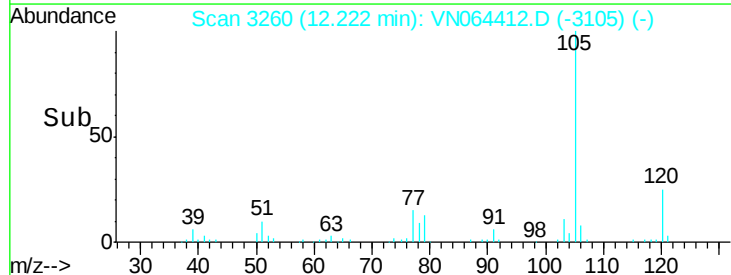
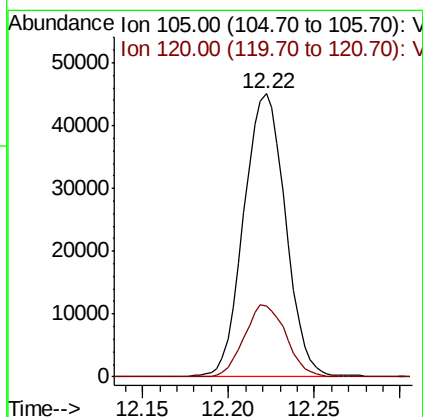
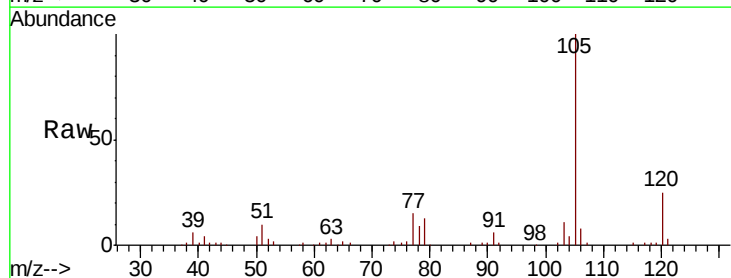
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

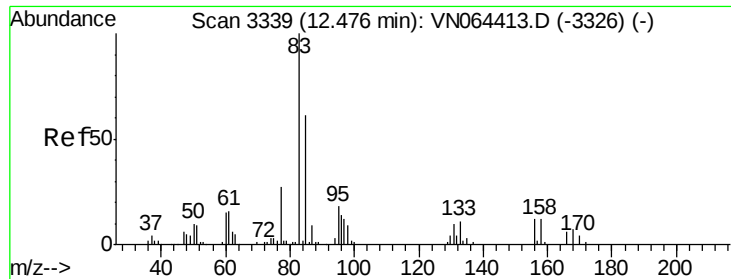
Tot Ion:104 Resp: 45132
Ion Ratio Lower Upper
104 100
78 54.6 44.3 66.5
103 56.4 43.5 65.3



#70
Isopropylbenzene
Concen: 4.857 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Tgt Ion:105 Resp: 76106
Ion Ratio Lower Upper
105 100
120 25.5 18.0 33.4

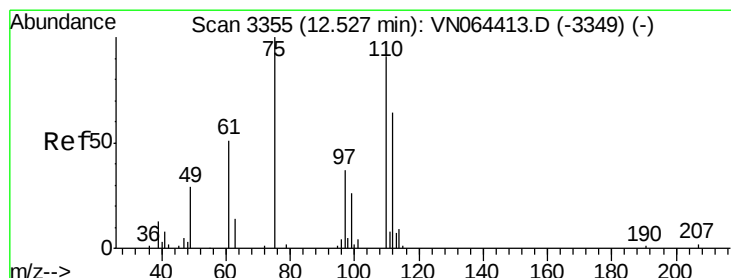
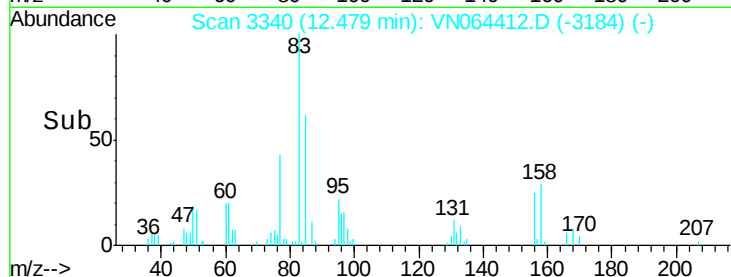
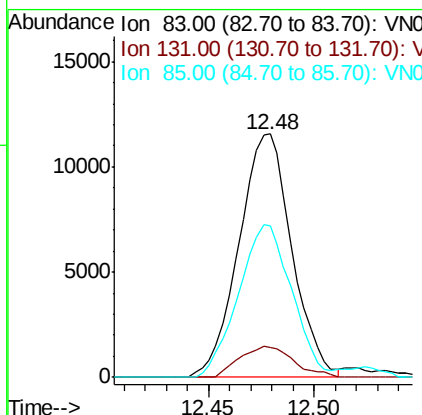
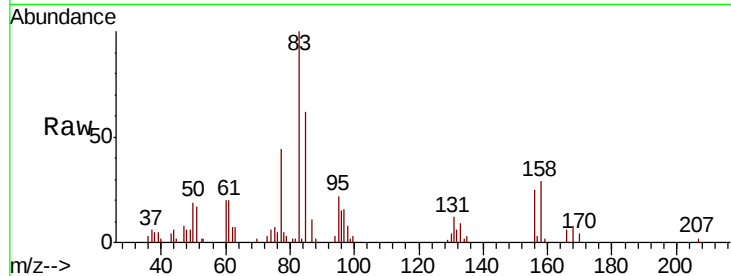




#71
 1,1,2,2-Tetrachloroethane
 Concen: 4.560 ug/l
 RT: 12.48 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

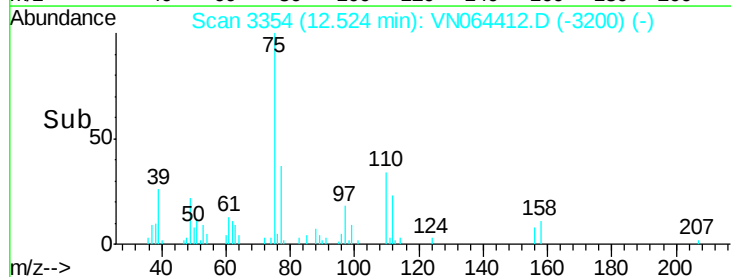
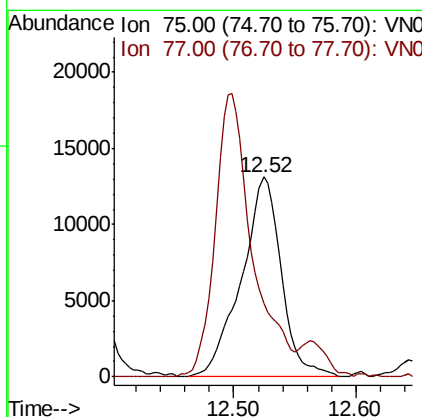
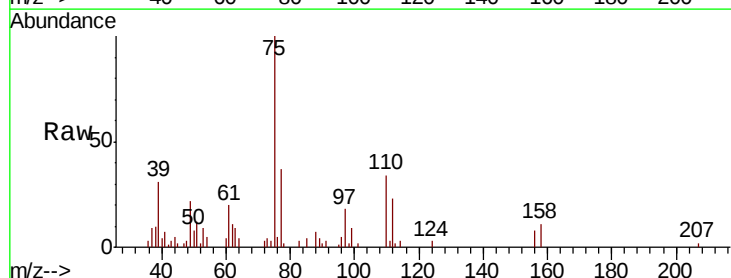
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

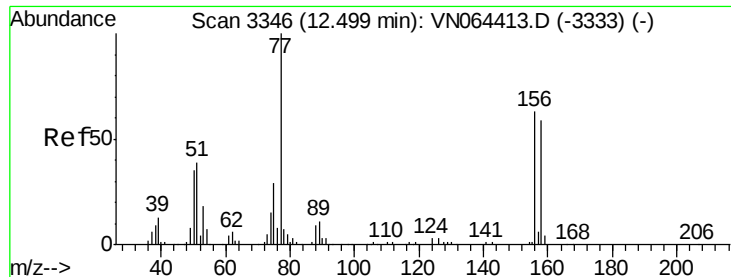
Tot Ion: 83 Resp: 20173
 Ion Ratio Lower Upper
 83 100
 131 13.0 5.3 16.1
 85 63.1 30.9 92.7



#72
 1,2,3-Trichloropropane
 Concen: 6.482 ug/l
 RT: 12.52 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

Tgt Ion: 75 Resp: 29686
 Ion Ratio Lower Upper
 75 100
 77 133.7 0.0 374.2





#73

Bromobenzene

Concen: 4.736 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

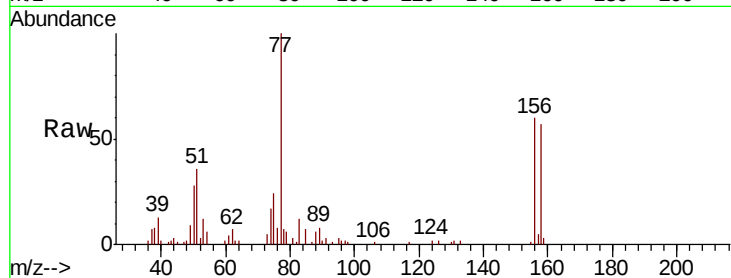
Tot Ion:156 Resp: 18415

Ion Ratio Lower Upper

156 100

77 215.5 0.0 409.4

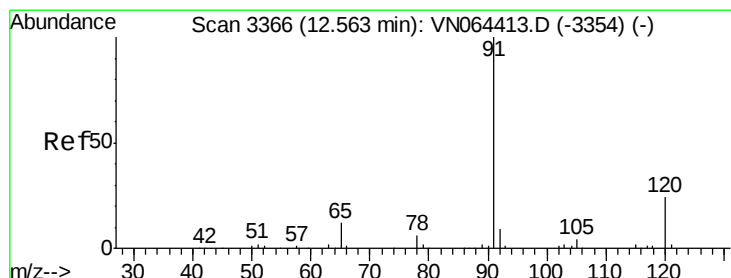
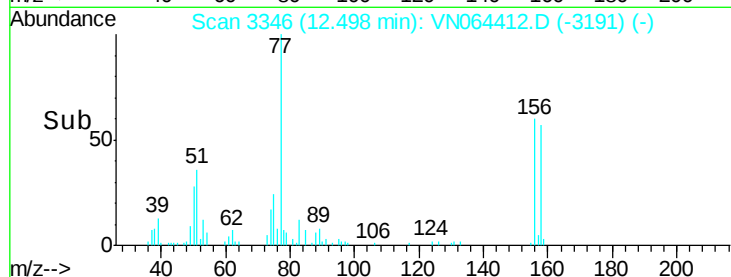
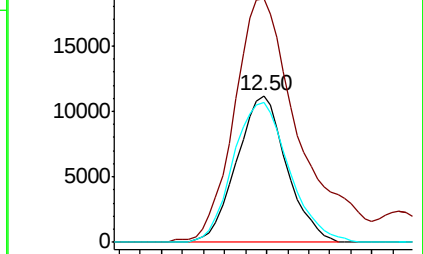
158 107.3 0.0 192.0



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: 4.343 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064412.D

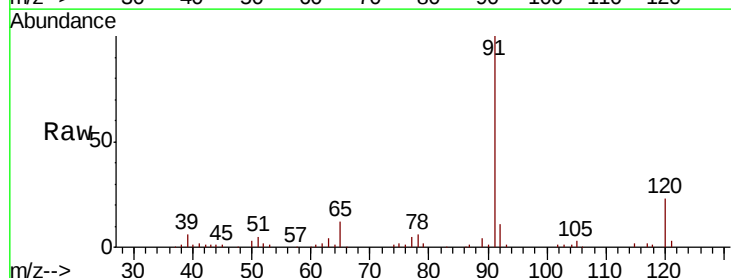
Acq: 2 Nov 2020 13:50

Tgt Ion: 91 Resp: 77053

Ion Ratio Lower Upper

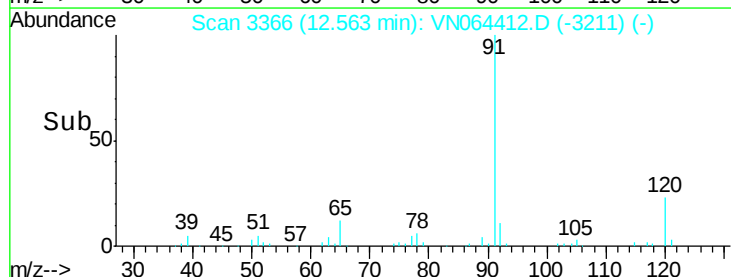
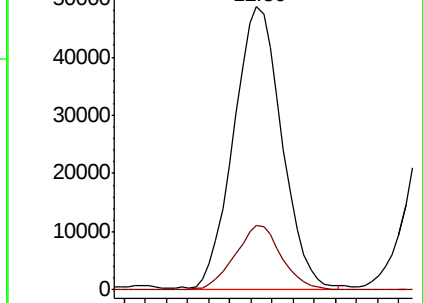
91 100

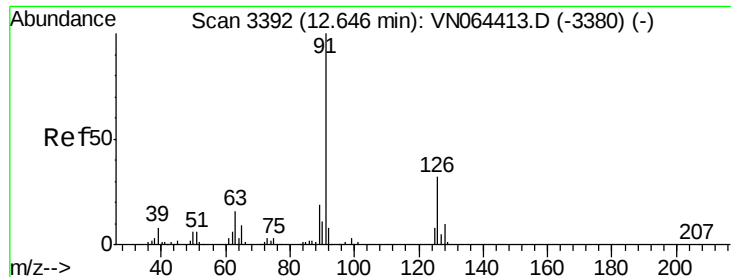
120 22.0 0.0 47.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 4.529 ug/l

RT: 12.64 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

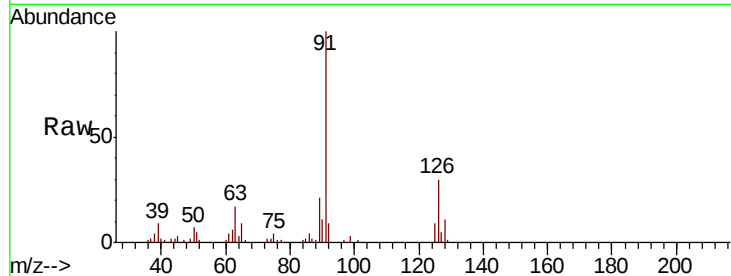
VSTDIC005

Tot Ion: 91 Resp: 49902

Ion Ratio Lower Upper

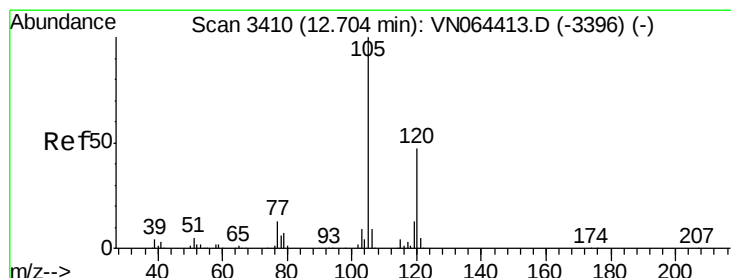
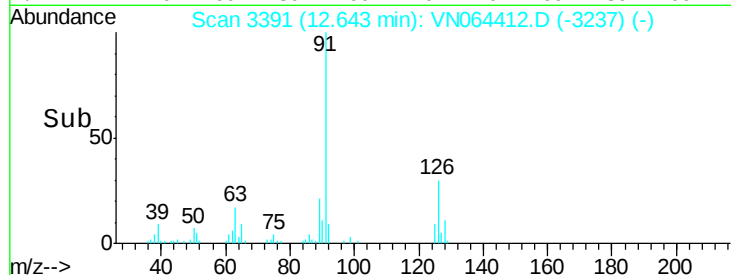
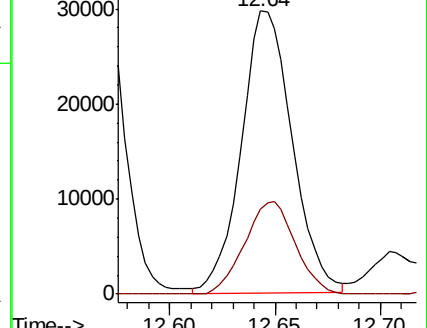
91 100

126 32.5 0.0 63.8



Abundance Ion 91.00 (90.70 to 91.70): VN064412.D (-3391) (-)

Ion 126.00 (125.70 to 126.70): VN064412.D (-3391) (-)



#76

1,3,5-Trimethylbenzene

Concen: 4.578 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN064412.D

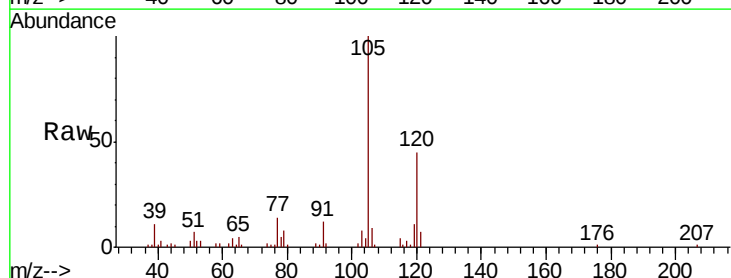
Acq: 2 Nov 2020 13:50

Tgt Ion: 105 Resp: 60254

Ion Ratio Lower Upper

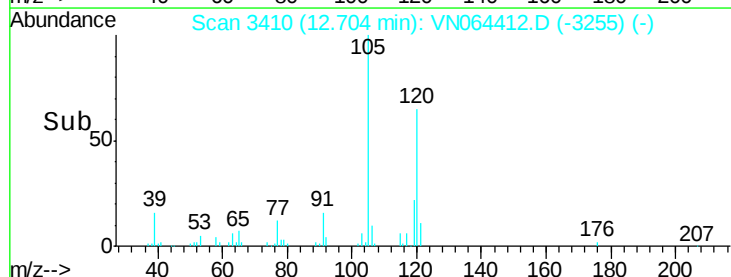
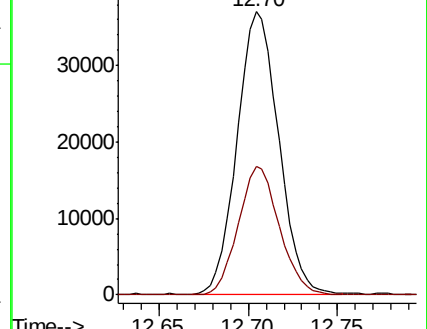
105 100

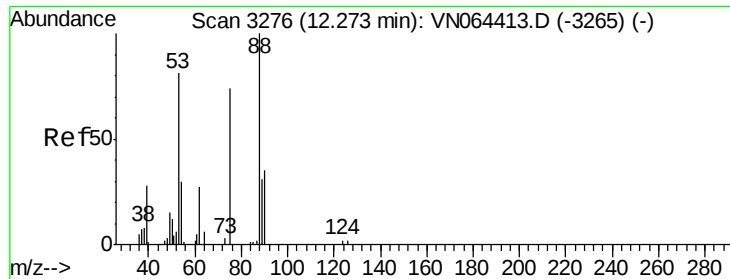
120 44.5 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): VN064412.D (-3409) (-)

Ion 120.00 (119.70 to 120.70): VN064412.D (-3409) (-)

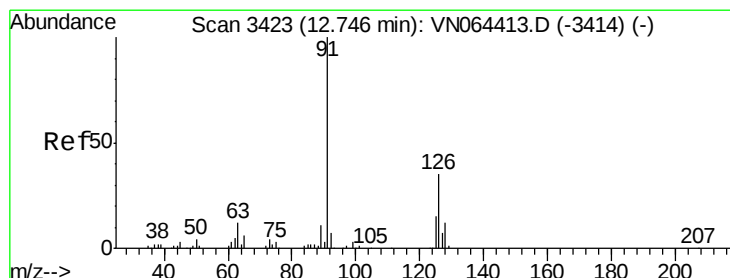
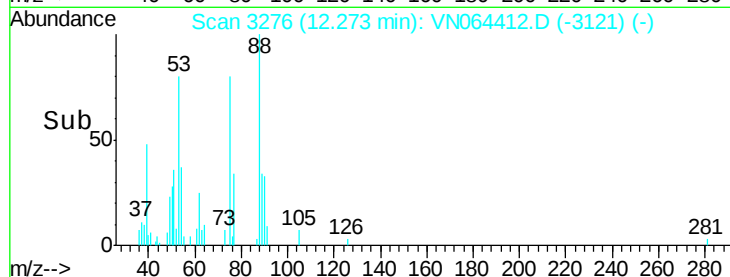
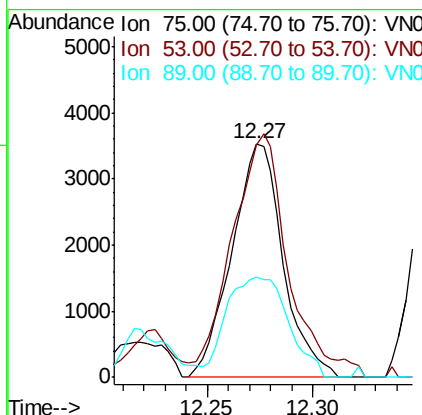
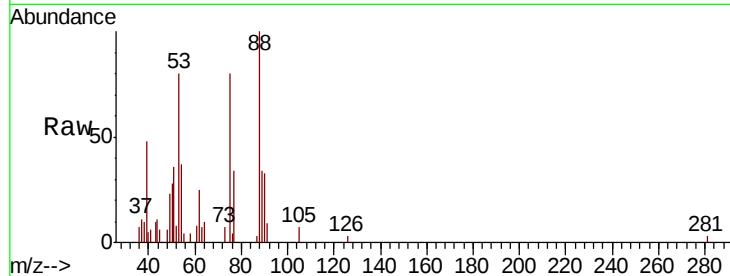




#77
t-1,4-Dichloro-2-butene
Concen: 3.466 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. -0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

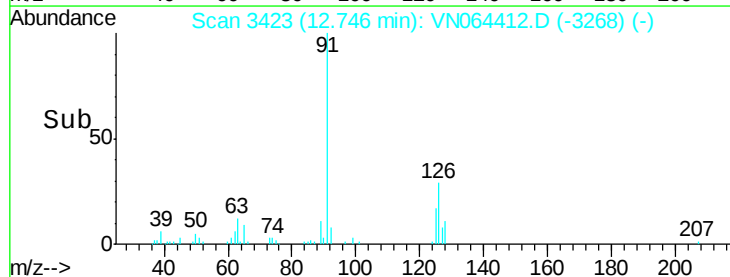
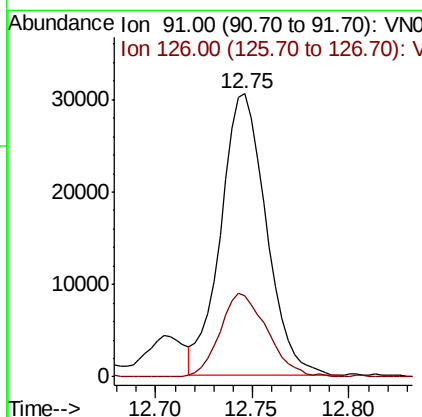
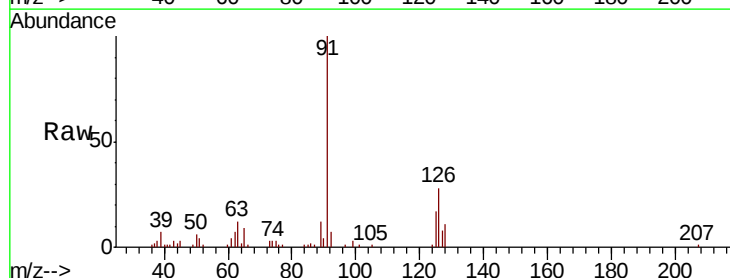
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

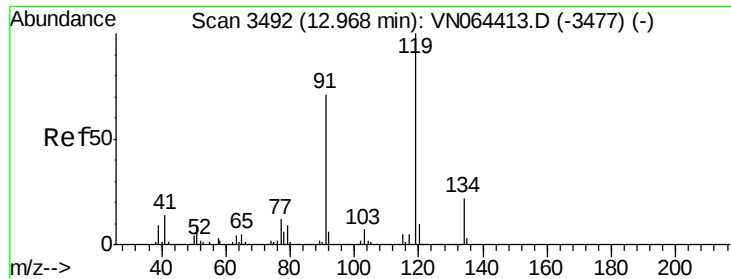
Tot Ion: 75 Resp: 5962
Ion Ratio Lower Upper
75 100
53 93.1 54.1 162.4
89 42.7 23.1 69.3



#78
4-Chlorotoluene
Concen: 4.339 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Tgt Ion: 91 Resp: 49897
Ion Ratio Lower Upper
91 100
126 30.7 0.0 63.2

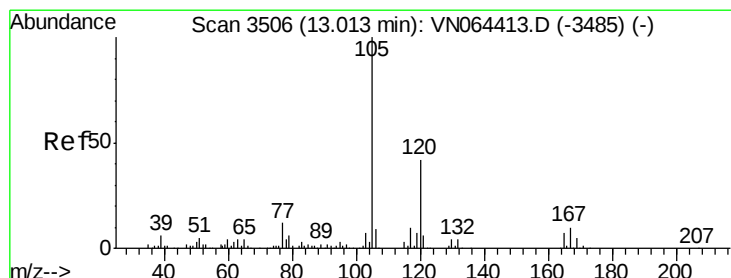
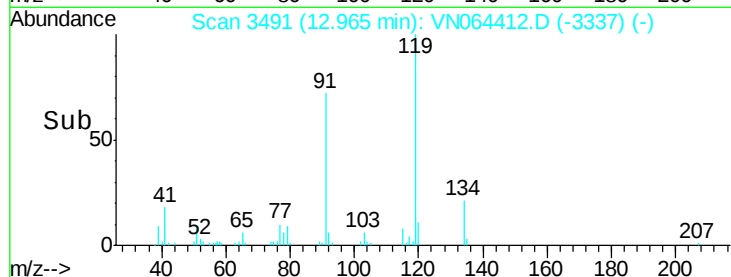
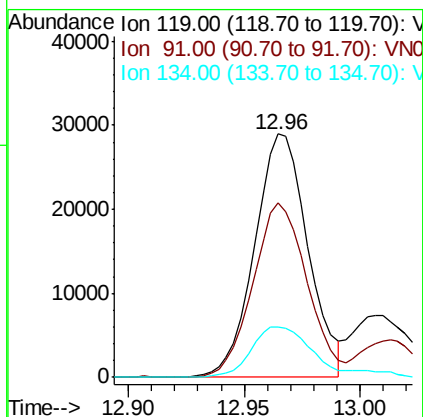
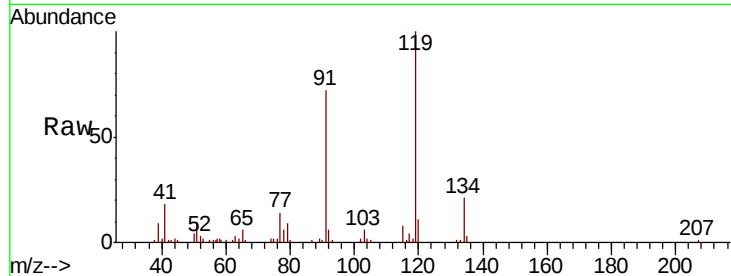




#79
tert-butylbenzene
Concen: 4.270 ug/l
RT: 12.96 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

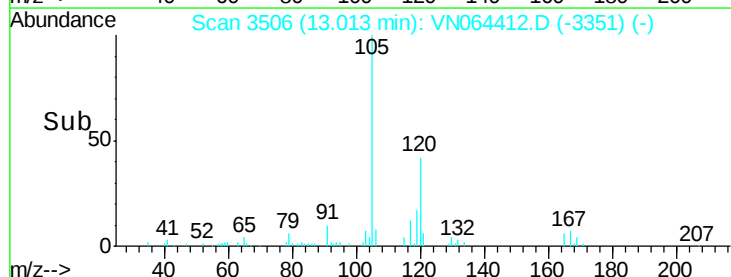
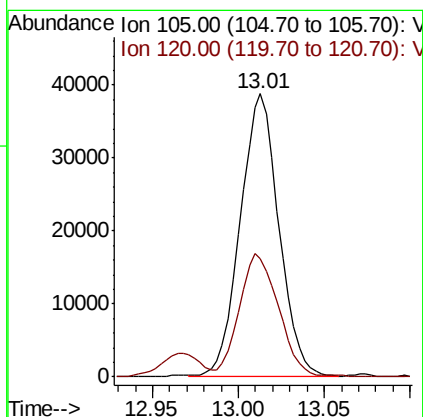
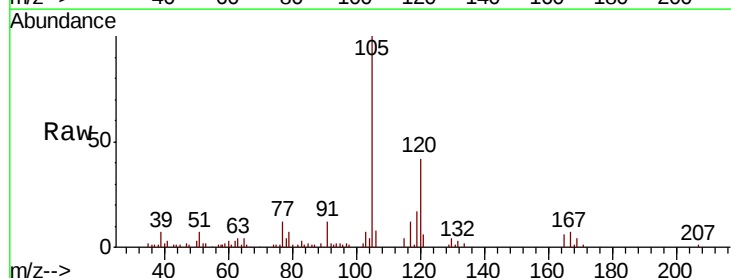
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

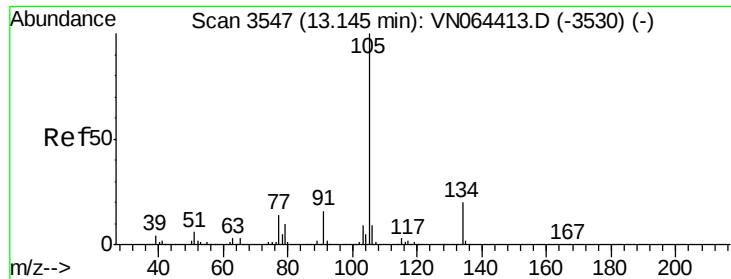
Tot Ion:119 Resp: 46435
Ion Ratio Lower Upper
119 100
91 72.9 0.0 140.4
134 22.9 0.0 46.2



#80
1,2,4-Trimethylbenzene
Concen: 4.570 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Tgt Ion:105 Resp: 60764
Ion Ratio Lower Upper
105 100
120 43.1 0.0 88.0

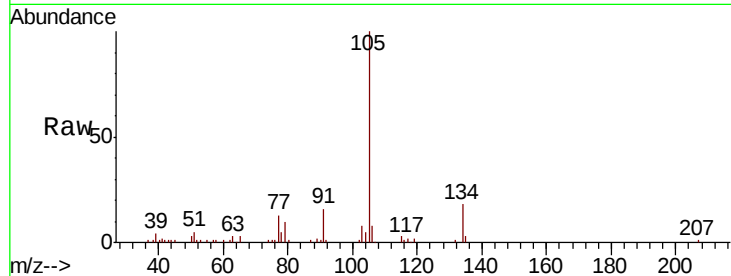




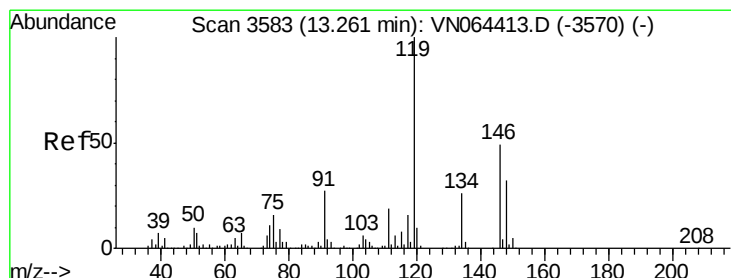
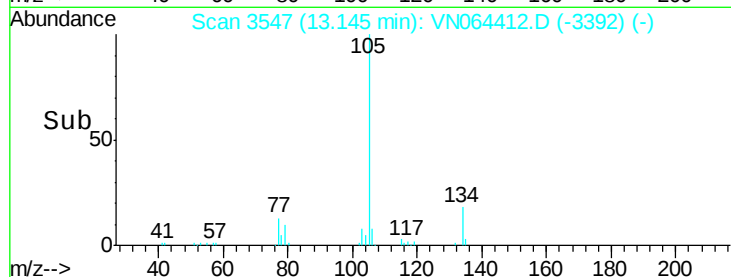
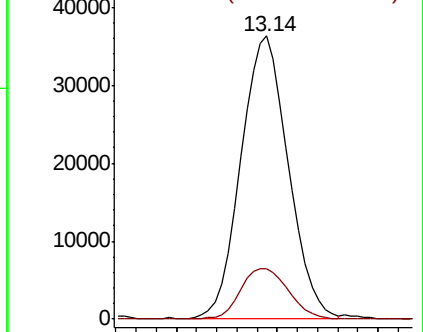
#81
 sec-Butylbenzene
 Concen: 4.270 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:105 Resp: 59815
 Ion Ratio Lower Upper
 105 100
 134 18.0 0.0 39.2

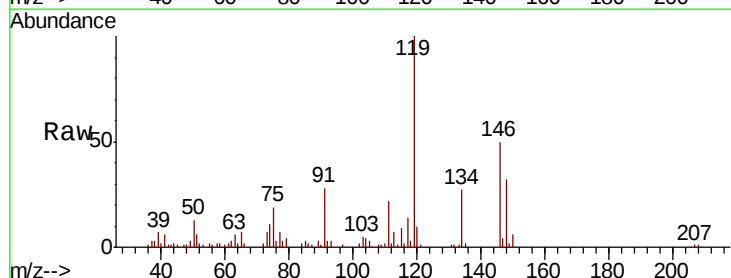


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 134.00 (133.70 to 134.70): V

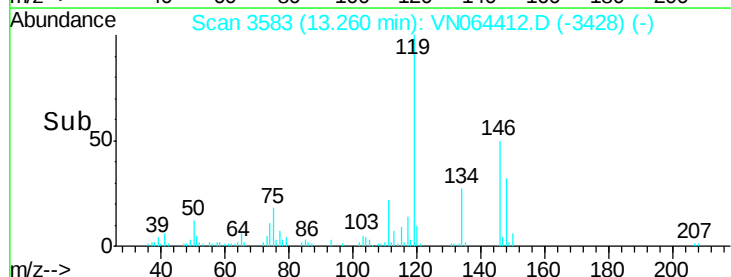
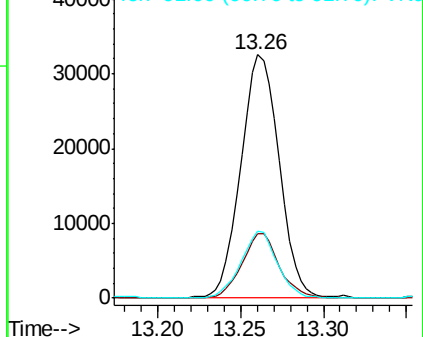


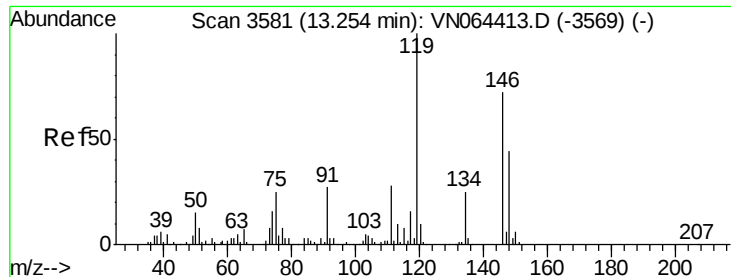
#82
 p-Isopropyltoluene
 Concen: 4.085 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

Tgt Ion:119 Resp: 52449
 Ion Ratio Lower Upper
 119 100
 134 25.5 0.0 51.0
 91 26.0 0.0 51.4



Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

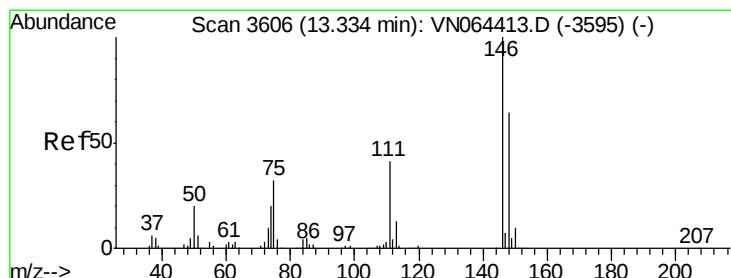
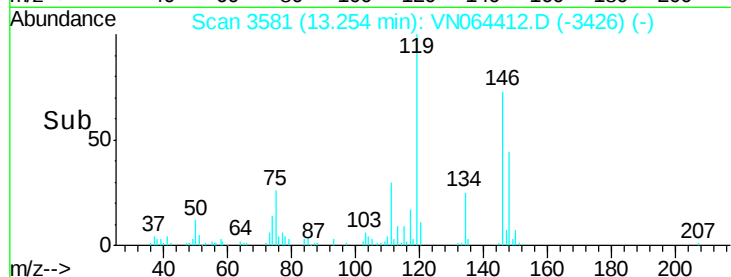
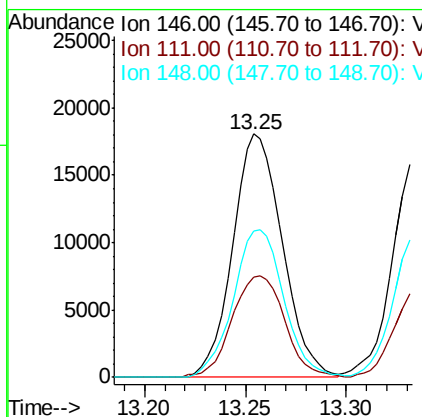
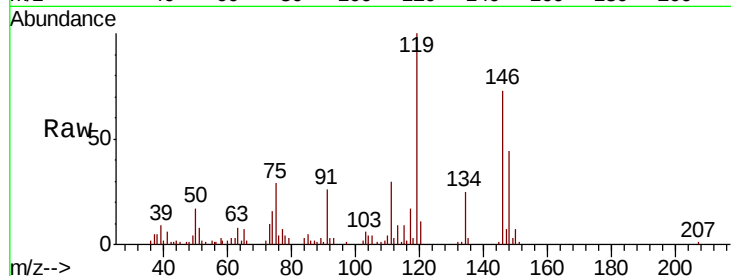




#83
 1,3-Dichlorobenzene
 Concen: 4.635 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

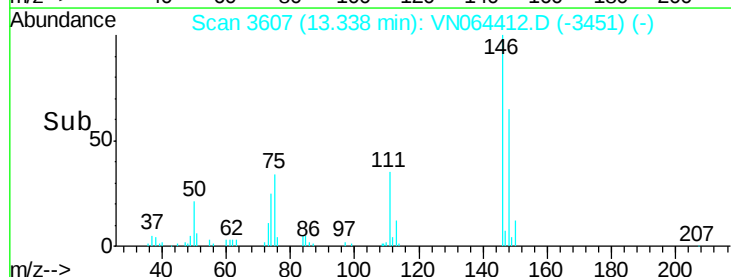
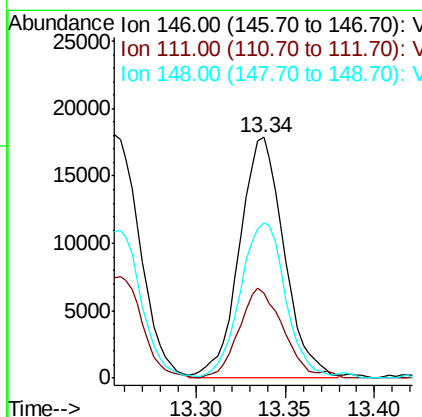
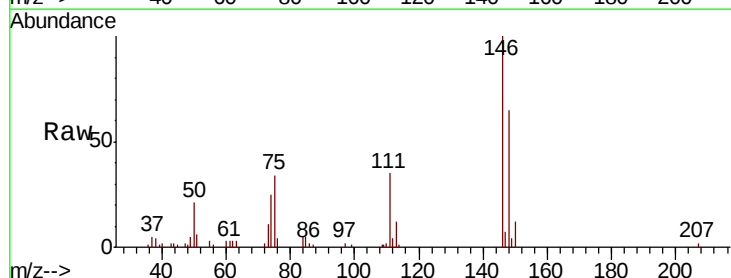
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

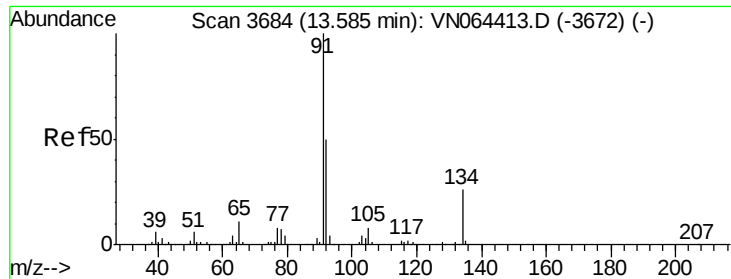
Tot Ion:146 Resp: 31106
 Ion Ratio Lower Upper
 146 100
 111 44.3 20.5 61.6
 148 61.8 31.9 95.5



#84
 1,4-Dichlorobenzene
 Concen: 4.622 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

Tgt Ion:146 Resp: 31228
 Ion Ratio Lower Upper
 146 100
 111 36.2 19.9 59.6
 148 65.5 31.9 95.5

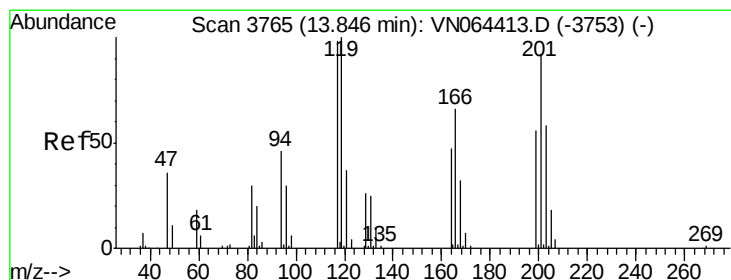
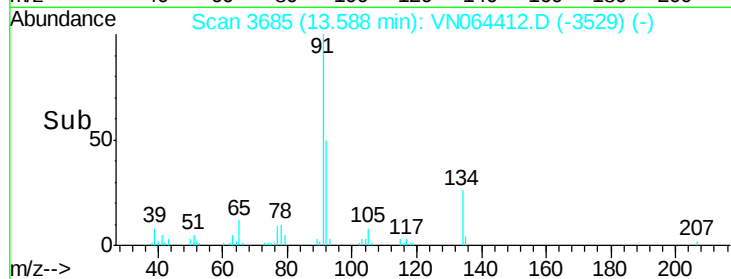
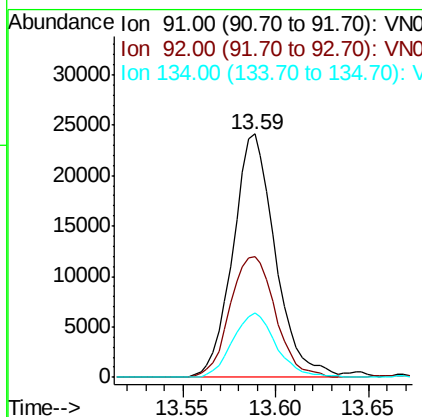
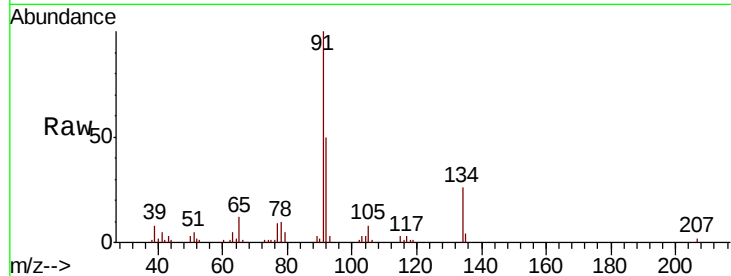




#85
n-Butylbenzene
Concen: 3.442 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

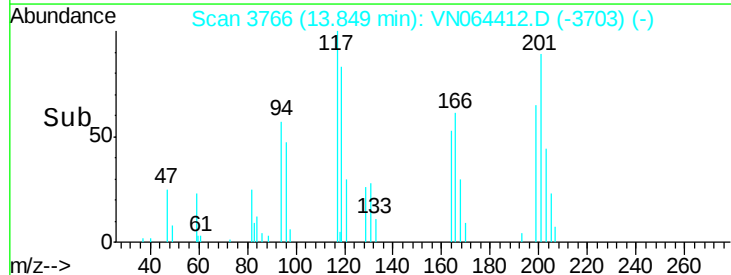
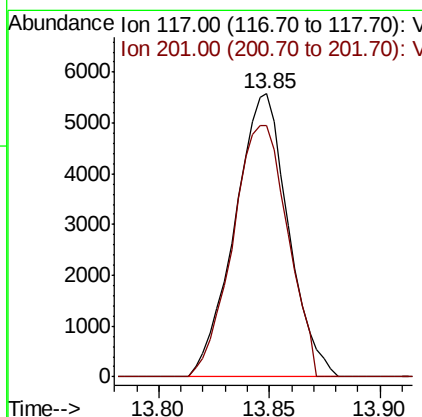
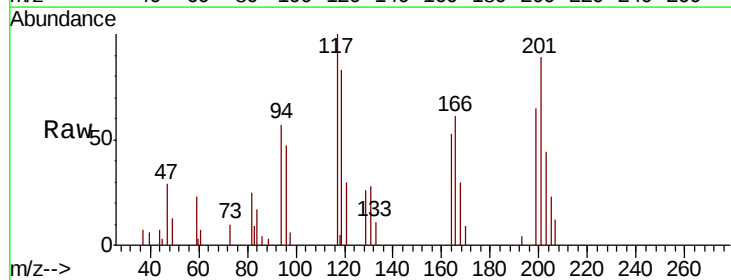
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

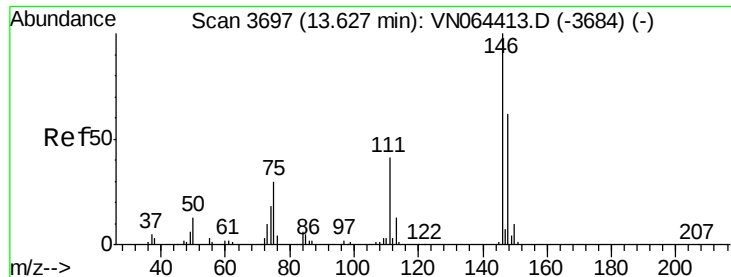
Tot Ion: 91 Resp: 38218
Ion Ratio Lower Upper
91 100
92 53.3 0.0 99.4
134 27.0 0.0 50.0



#86
Hexachloroethane
Concen: 3.959 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Tgt Ion: 117 Resp: 9419
Ion Ratio Lower Upper
117 100
201 91.4 42.7 128.1





#87

1,2-Dichlorobenzene

Concen: 4.279 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

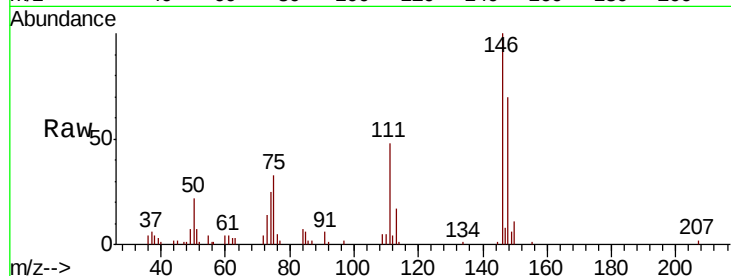
Tot Ion:146 Resp: 28294

Ion Ratio Lower Upper

146 100

111 49.3 21.3 64.0

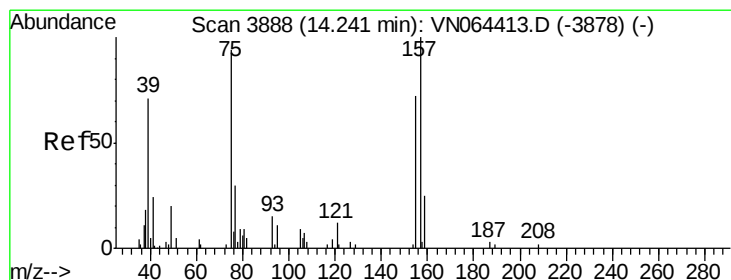
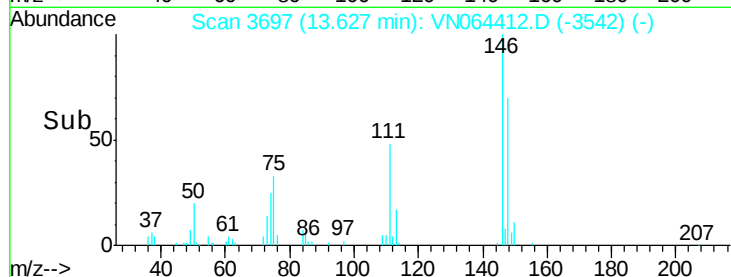
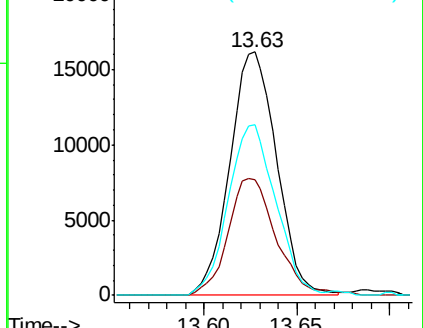
148 71.1 31.7 95.1



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: 3.335 ug/l

RT: 14.24 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

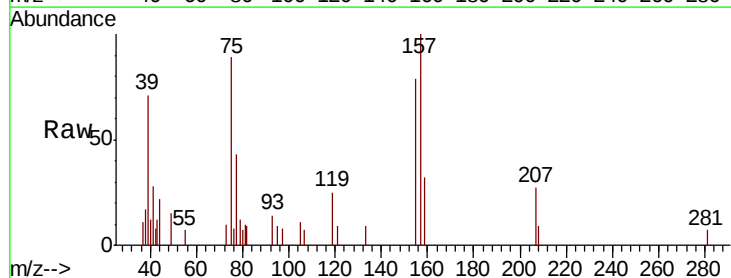
Tgt Ion: 75 Resp: 3621

Ion Ratio Lower Upper

75 100

155 91.2 66.2 99.2

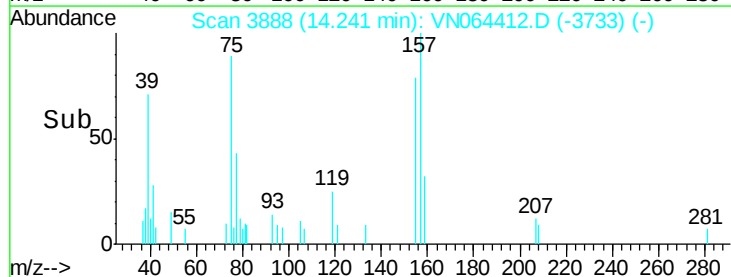
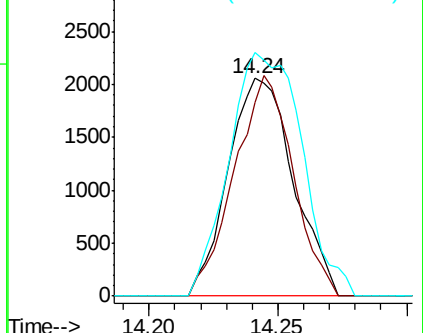
157 125.2 82.7 124.1#

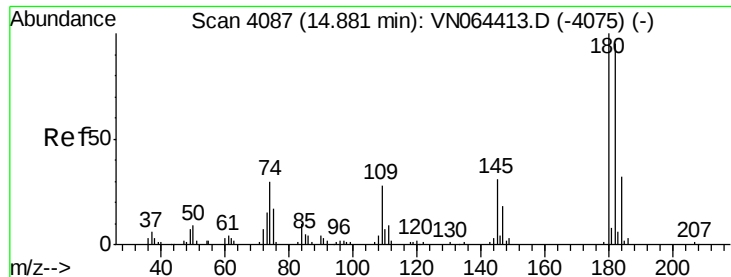


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

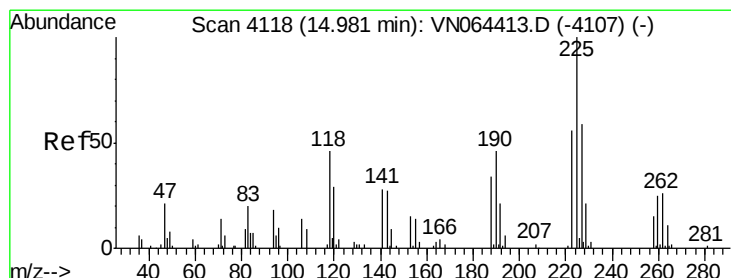
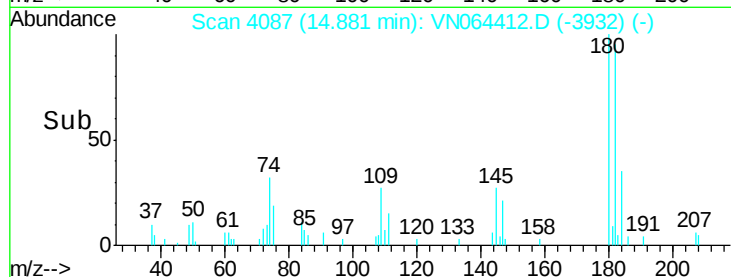
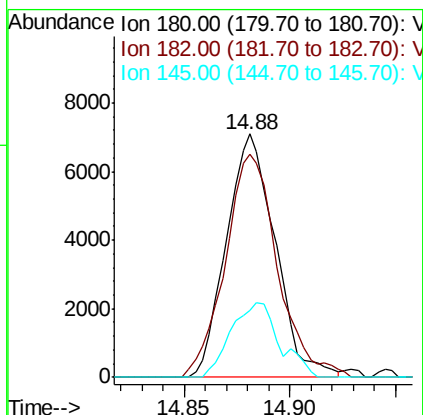
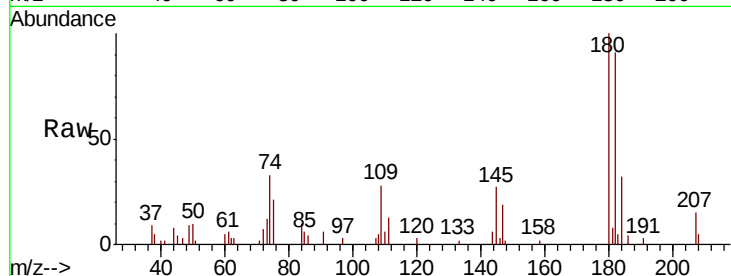




#89
 1,2,4-Trichlorobenzene
 Concen: 3.125 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

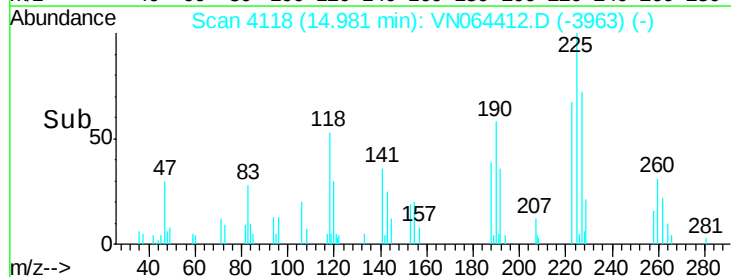
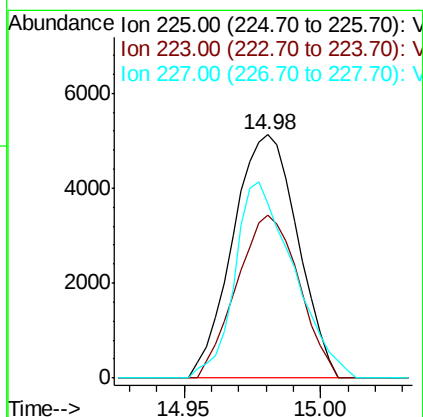
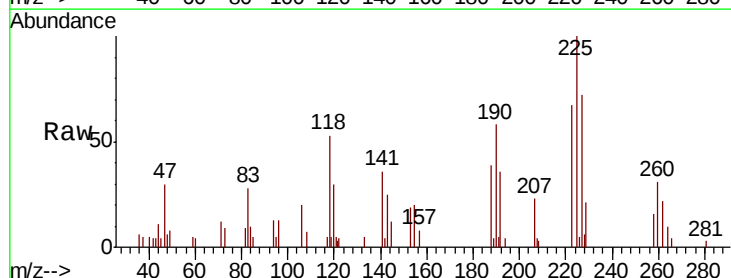
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

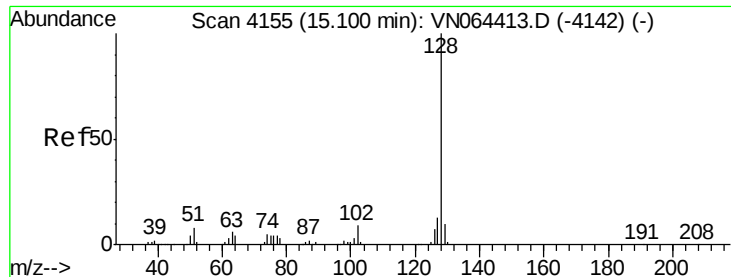
Tot Ion:180 Resp: 11411
 Ion Ratio Lower Upper
 180 100
 182 98.1 72.6 108.8
 145 26.9 24.3 36.5



#90
 Hexachlorobutadiene
 Concen: 4.295 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

Tgt Ion:225 Resp: 8456
 Ion Ratio Lower Upper
 225 100
 223 64.4 0.0 125.6
 227 73.2 0.0 121.6





#91

Naphthalene

Concen: 2.963 ug/l

RT: 15.10 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

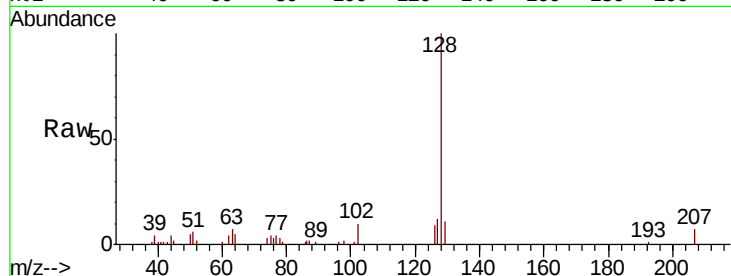
Tot Ion:128 Resp: 32008

Ion Ratio Lower Upper

128 100

127 11.9 10.5 15.7

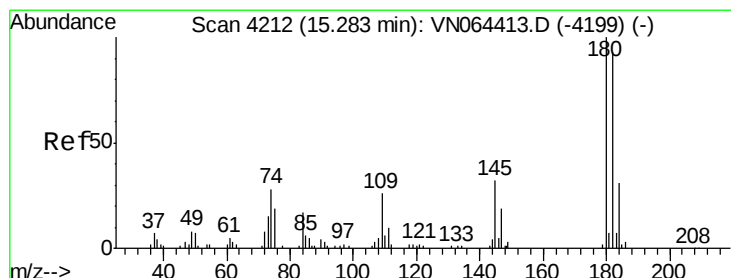
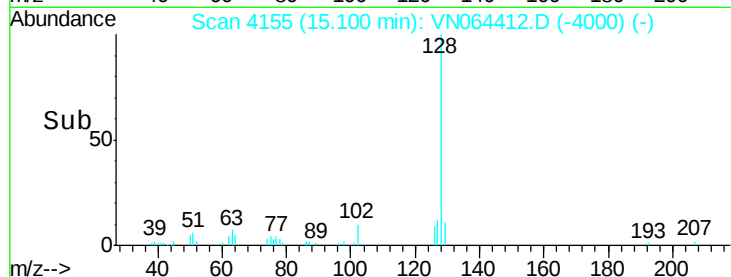
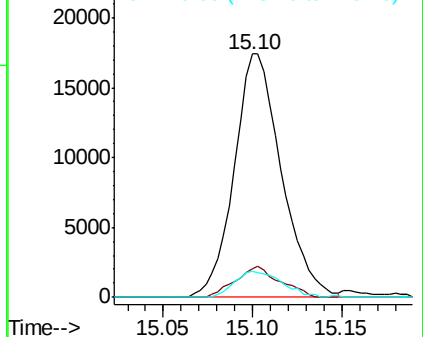
129 10.6 8.6 13.0



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: 3.644 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

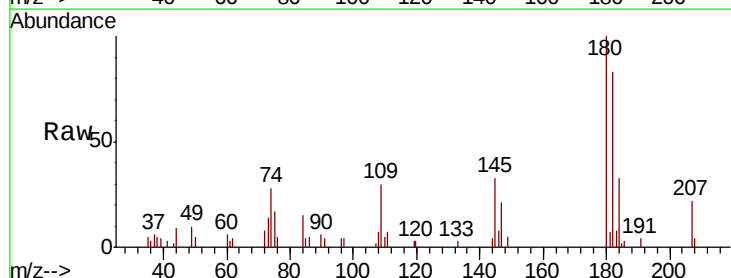
Tgt Ion:180 Resp: 12743

Ion Ratio Lower Upper

180 100

182 86.6 0.0 191.4

145 30.9 0.0 64.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

