

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102320\
 Data File : VN064302.D
 Acq On : 23 Oct 2020 22:02
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Oct 26 02:25:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 26 01:30:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	45063	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	263742	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	236568	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	129193	32.85	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	109.50%
60) 4-Bromofluorobenzene	12.38	95	123796	29.40	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.00%
63) Toluene-d8	10.06	98	315532	29.84	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.47%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	52081	17.766	ug/l 99
3) Chloromethane	2.04	50	55523	17.933	ug/l 96
4) Vinyl Chloride	2.16	62	54626	17.563	ug/l 100
5) Bromomethane	2.54	94	35715	17.492	ug/l 95
6) Chloroethane	2.68	64	33524	18.379	ug/l 89
7) Trichlorofluoromethane	2.99	101	94909	18.040	ug/l 95
8) Diethyl Ether	3.38	74	31565	18.207	ug/l 91
9) 1,1,2-Trichlorotrifluoroet	3.73	101	45339	17.289	ug/l # 88
10) 1,1-Dichloroethene	3.70	96	44435	17.671	ug/l 98
11) Methyl Iodide	3.91	142	57651	16.001	ug/l 93
12) Methyl Acetate	4.28	43	49988	17.000	ug/l 98
13) Acrolein	3.57	56	17192	71.250	ug/l 95
14) Acrylonitrile	4.93	53	93181	81.881	ug/l # 60
15) Acetone	3.77	58	13471	36.980	ug/l 97
16) Carbon Disulfide	4.01	76	121535	16.682	ug/l 94
17) Allyl chloride	4.28	41	84648	17.560	ug/l 95
18) Methylene Chloride	4.51	84	52437	17.836	ug/l 97
19) trans-1,2-Dichloroethene	4.99	96	48545	16.983	ug/l 94
20) Diisopropyl ether	5.90	45	165905	18.061	ug/l 99
21) 1,1-Dichloroethane	5.80	63	100286	18.305	ug/l 98
22) cis-1,2-Dichloroethene	6.78	96	58083	17.713	ug/l # 90
23) tert-Butyl Alcohol	4.73	59	41550	78.742	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	160954	18.430	ug/l # 68
25) Chloroform	7.33	83	108024	18.219	ug/l 93
26) Cyclohexane	7.62	56	70000	16.476	ug/l # 99
29) 1,1-Dichloropropene	7.76	75	75474	16.554	ug/l 97
30) 2-Butanone	6.78	43	154619	77.217	ug/l 99
31) 2,2-Dichloropropane	6.78	77	90557	15.870	ug/l # 85
32) 1,1,1-Trichloroethane	7.53	97	97752	16.779	ug/l 98
33) Carbon Tetrachloride	7.74	117	86822	16.636	ug/l 91
34) Benzene	8.00	78	210502	16.894	ug/l 99
35) Methacrylonitrile	7.13	41	37292	18.473	ug/l 96
36) 1,2-Dichloroethane	8.08	62	95383	17.955	ug/l 100
37) Trichloroethene	8.80	130	59174	17.257	ug/l 89
38) Methylcyclohexane	9.05	83	62997	15.135	ug/l 96
39) 1,2-Dichloropropane	9.08	63	57056	17.129	ug/l 95
40) Dibromomethane	9.17	93	39380	16.898	ug/l 90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	88557	17.523	ug/l	89
42) Vinyl Acetate	5.85	43	754257	85.402	ug/l	99
43) Ethyl Acetate	6.88	43	72292	17.054	ug/l #	87
44) Isopropyl Acetate	8.13	43	130324	17.142	ug/l #	84
45) 1,4-Dioxane	9.16	88	13494	290.609	ug/l	98
46) Methyl methacrylate	9.17	41	63865	17.373	ug/l	95
47) n-amyl Acetate	12.04	43	111670	17.023	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	96724	17.143	ug/l	96
49) cis-1,3-Dichloropropene	9.81	75	95241	16.253	ug/l	96
50) 1,1,2-Trichloroethane	10.53	97	57009	18.571	ug/l	94
51) Ethyl methacrylate	10.40	69	80134	16.971	ug/l	88
52) 1,3-Dichloropropane	10.68	76	91515	16.859	ug/l	98
53) Dibromochloromethane	10.87	129	64904	16.923	ug/l	91
54) 1,2-Dibromoethane	10.98	107	56662	17.273	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	206761	90.125	ug/l	99
56) Bromoform	12.10	173	45017	16.601	ug/l	96
58) 4-Methyl-2-Pentanone	9.95	43	346886	85.080	ug/l	99
59) 2-Hexanone	10.72	43	244852	79.205	ug/l	98
61) Tetrachloroethene	10.60	164	57714	17.461	ug/l	93
62) Toluene	10.13	91	237580	17.446	ug/l	97
64) Chlorobenzene	11.41	112	144085	17.056	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	58090	17.214	ug/l	96
66) Ethyl Benzene	11.48	91	267847	17.155	ug/l	98
67) m/p-Xylenes	11.59	106	196235	33.892	ug/l	100
68) o-Xylene	11.92	106	93170	16.572	ug/l	99
69) Styrene	11.94	104	157706	16.847	ug/l	99
70) Isopropylbenzene	12.22	105	251723	16.935	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.48	83	66017	16.558	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	102110	24.663	ug/l	66
73) Bromobenzene	12.50	156	64177	17.749	ug/l	93
74) n-propylbenzene	12.57	91	282991	16.593	ug/l	98
75) 2-Chlorotoluene	12.65	91	180240	17.115	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	211976	16.826	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	24113	15.061	ug/l	83
78) 4-Chlorotoluene	12.75	91	183114	16.678	ug/l	100
79) tert-butylbenzene	12.97	119	170966	16.605	ug/l	95
80) 1,2,4-Trimethylbenzene	13.01	105	219750	17.187	ug/l	99
81) sec-Butylbenzene	13.14	105	220626	16.507	ug/l	99
82) p-Isopropyltoluene	13.26	119	201232	16.407	ug/l	97
83) 1,3-Dichlorobenzene	13.26	146	105859	16.599	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	101132	15.573	ug/l	95
85) n-Butylbenzene	13.59	91	173646	16.089	ug/l	95
86) Hexachloroethane	13.85	117	32737	15.807	ug/l	97
87) 1,2-Dichlorobenzene	13.63	146	106050	17.043	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.24	75	16001	16.470	ug/l	97
89) 1,2,4-Trichlorobenzene	14.88	180	54680	15.404	ug/l	92
90) Hexachlorobutadiene	14.98	225	29053	14.947	ug/l	98
91) Naphthalene	15.10	128	171236	16.496	ug/l	97
92) 1,2,3-Trichlorobenzene	15.28	180	55558	16.321	ug/l	97

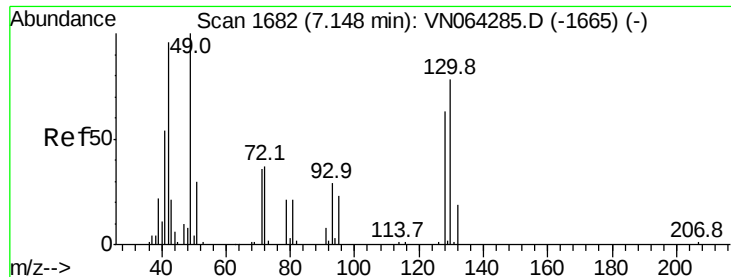
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

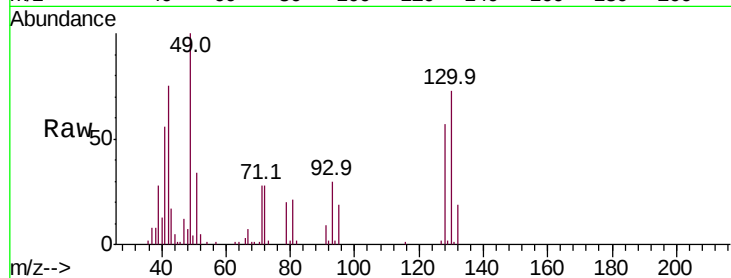
Tot Ion:128 Resp: 45063

Ion Ratio Lower Upper

128 100

49 180.1 0.0 445.0

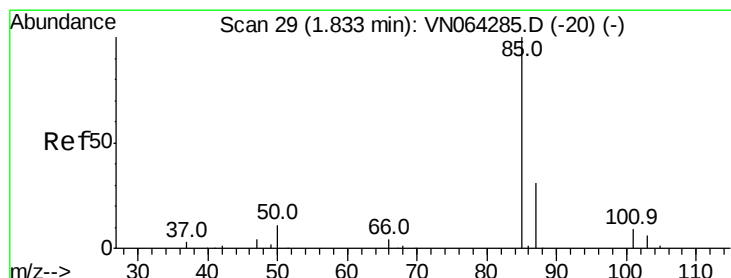
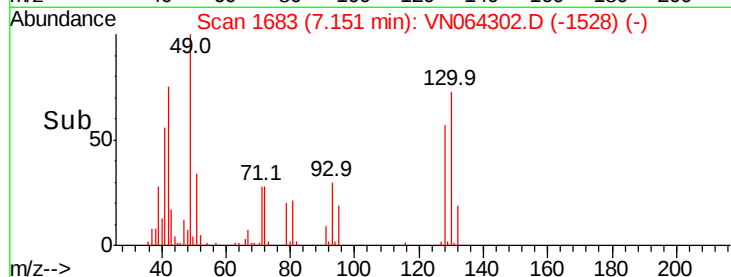
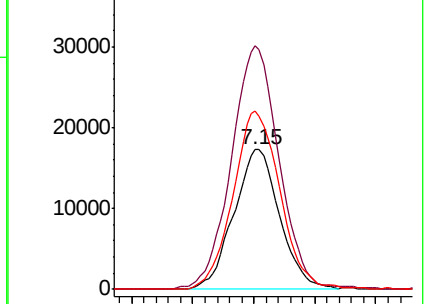
130 129.6 0.0 320.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 17.766 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064302.D

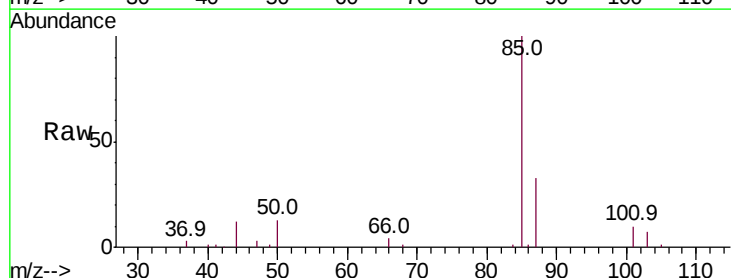
Acq: 23 Oct 2020 22:02

Tgt Ion: 85 Resp: 52081

Ion Ratio Lower Upper

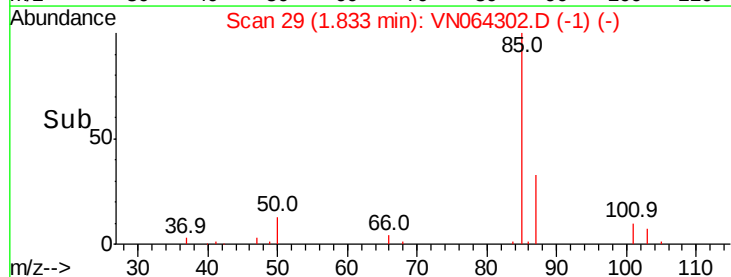
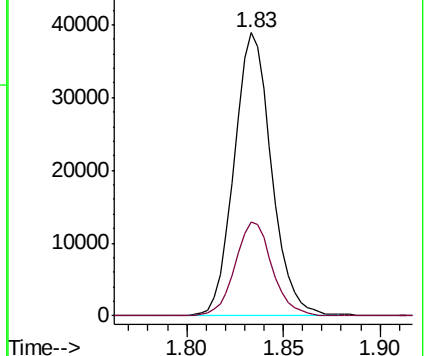
85 100

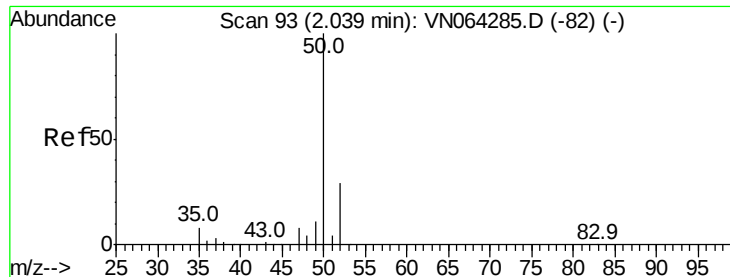
87 33.2 16.4 49.2



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 17.933 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

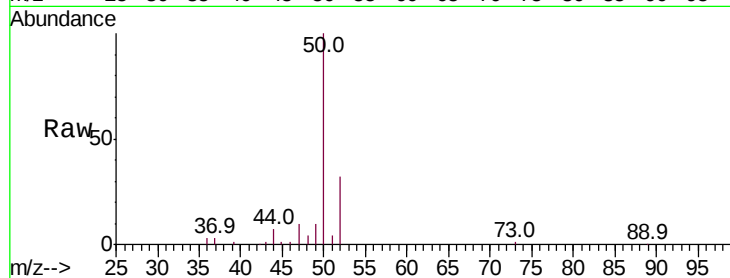
VSTDCCC020EC

Tot Ion: 50 Resp: 55523

Ion Ratio Lower Upper

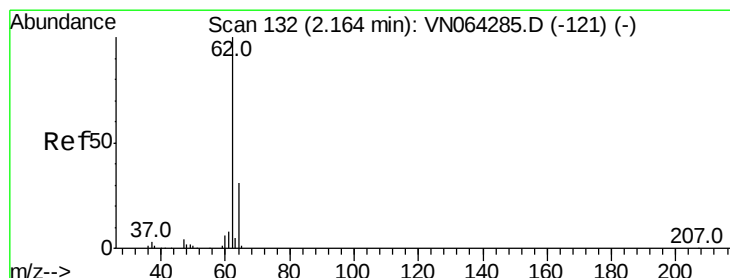
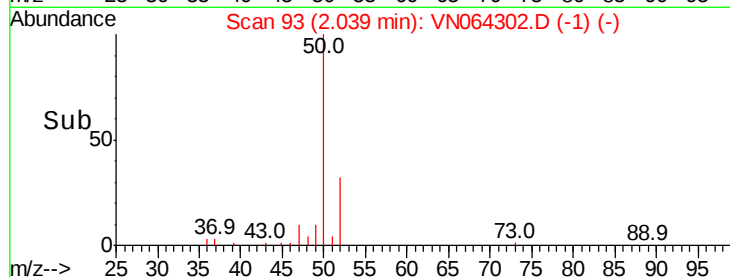
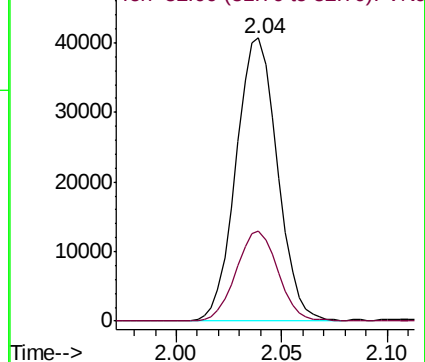
50 100

52 31.7 27.1 40.7



Abundance Ion 50.00 (49.70 to 50.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#4

Vinyl Chloride

Concen: 17.563 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064302.D

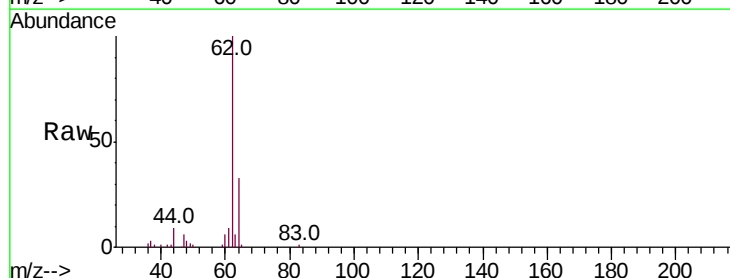
Acq: 23 Oct 2020 22:02

Tgt Ion: 62 Resp: 54626

Ion Ratio Lower Upper

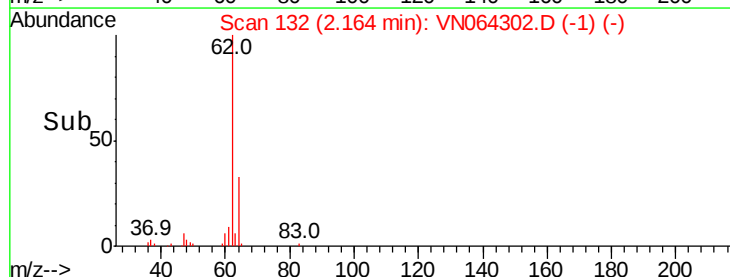
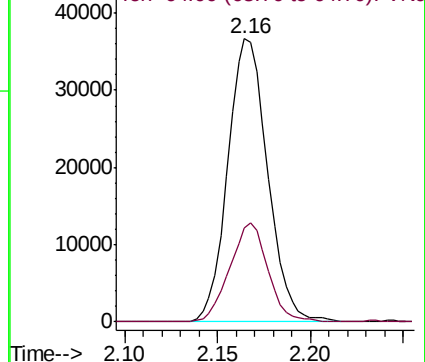
62 100

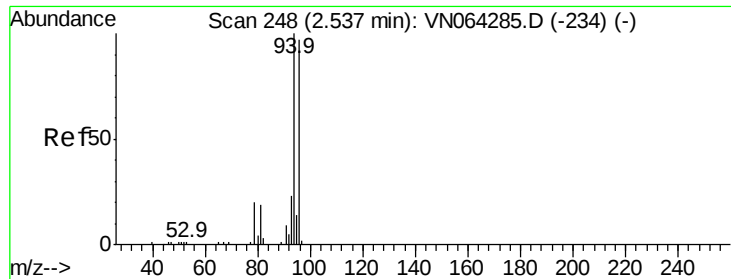
64 33.0 26.6 39.8



Abundance Ion 62.00 (61.70 to 62.70): VNO

Ion 64.00 (63.70 to 64.70): VNO





#5

Bromomethane

Concen: 17.492 ug/l

RT: 2.54 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

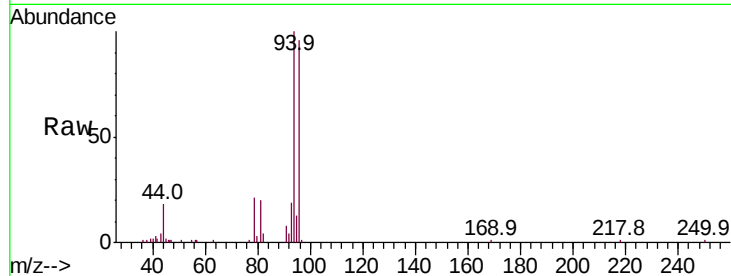
VSTDCCC020EC

Tot Ion: 94 Resp: 35715

Ion Ratio Lower Upper

94 100

96 95.6 72.4 108.6



Abundance Ion 94.00 (93.70 to 94.70): VN064302.D (-94) (-)

Ion 96.00 (95.70 to 96.70): VN064302.D (-96) (-)

20000

15000

10000

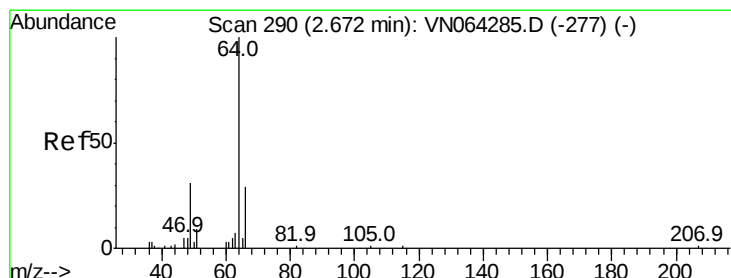
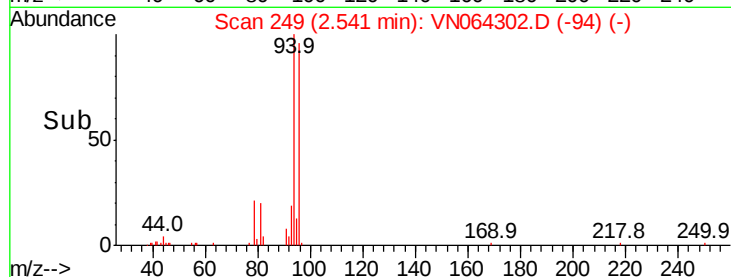
5000

0

2.54

2.45 2.50 2.55 2.60

Time-->



#6

Chloroethane

Concen: 18.379 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN064302.D

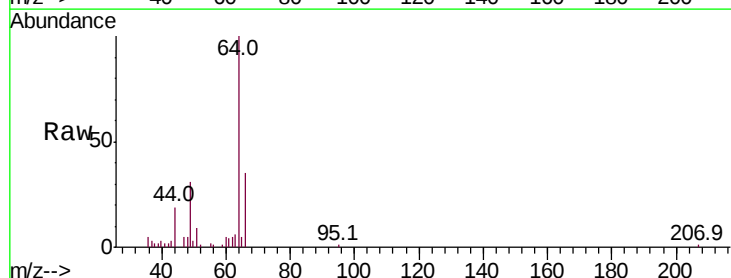
Acq: 23 Oct 2020 22:02

Tgt Ion: 64 Resp: 33524

Ion Ratio Lower Upper

64 100

66 35.1 23.4 35.2



Abundance Ion 64.00 (63.70 to 64.70): VN064302.D (-135) (-)

Ion 66.00 (65.70 to 66.70): VN064302.D (-66) (-)

20000

15000

10000

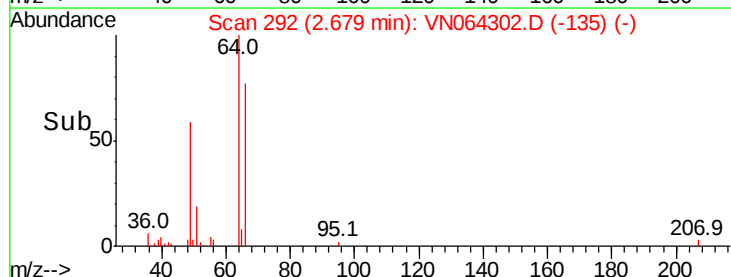
5000

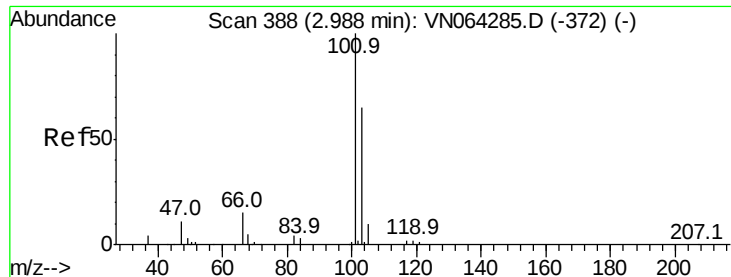
0

2.68

2.60 2.65 2.70 2.75

Time-->





#7

Trichlorofluoromethane

Concen: 18.040 ug/l

RT: 2.99 min Scan# 389

Delta R.T. 0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

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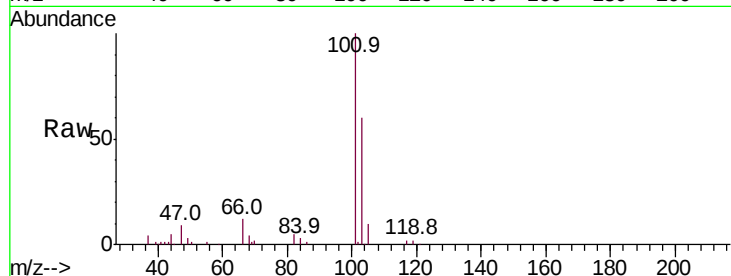
VSTDCCC020EC

Tot Ion:101 Resp: 94909

Ion Ratio Lower Upper

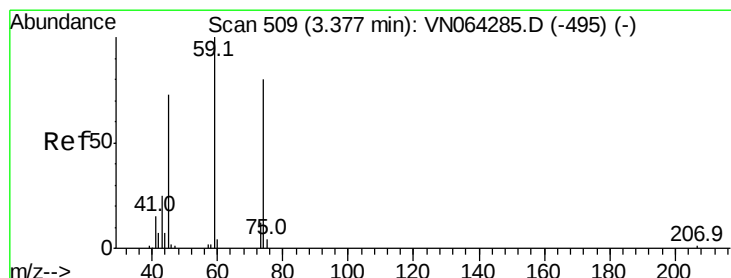
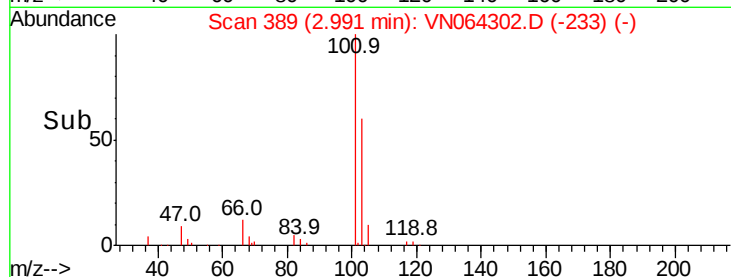
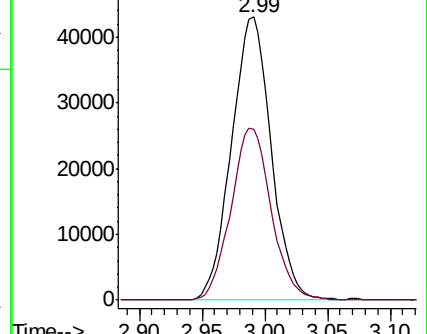
101 100

103 60.2 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 18.207 ug/l

RT: 3.38 min Scan# 510

Delta R.T. 0.01 min

Lab File: VN064302.D

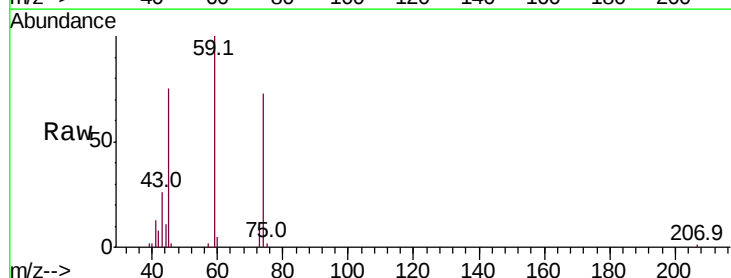
Acq: 23 Oct 2020 22:02

Tgt Ion: 74 Resp: 31565

Ion Ratio Lower Upper

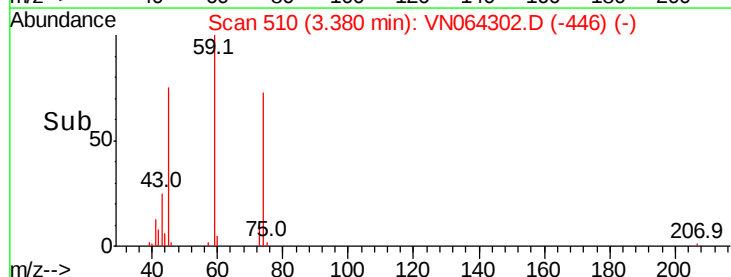
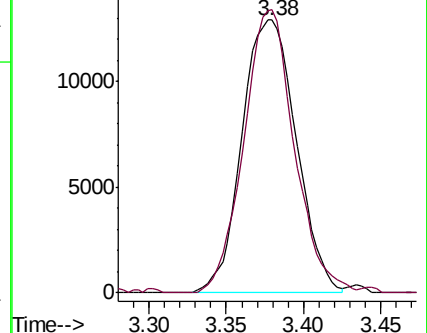
74 100

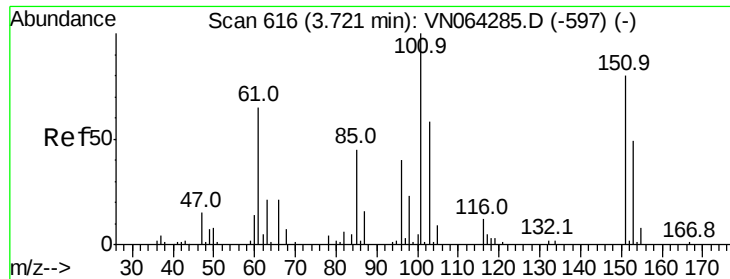
45 96.8 21.3 191.3



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.289 ug/l

RT: 3.73 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

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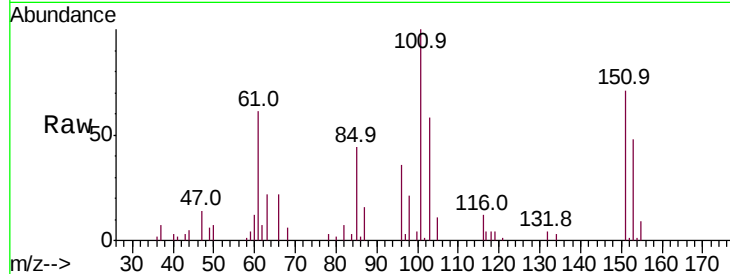
Tot Ion:101 Resp: 45339

Ion Ratio Lower Upper

101 100

85 47.5 0.0 47.4#

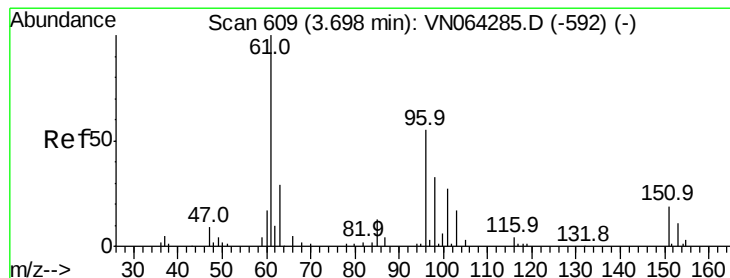
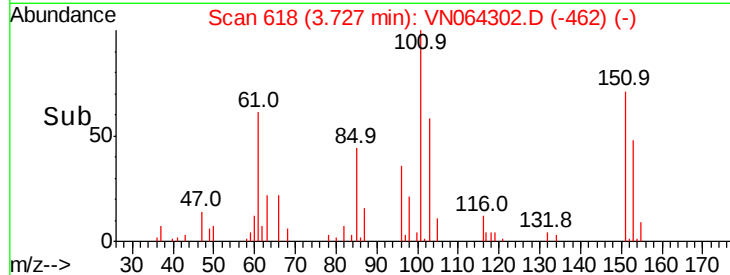
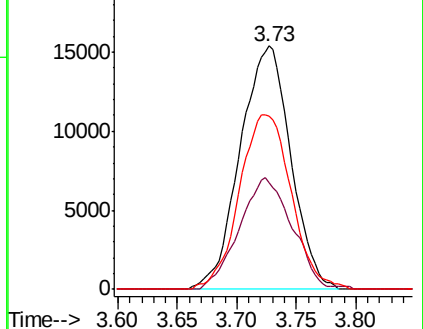
151 73.5 0.0 148.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 17.671 ug/l

RT: 3.70 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

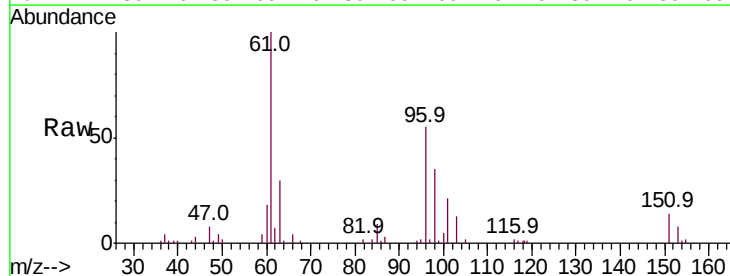
Tgt Ion: 96 Resp: 44435

Ion Ratio Lower Upper

96 100

61 179.3 144.2 216.4

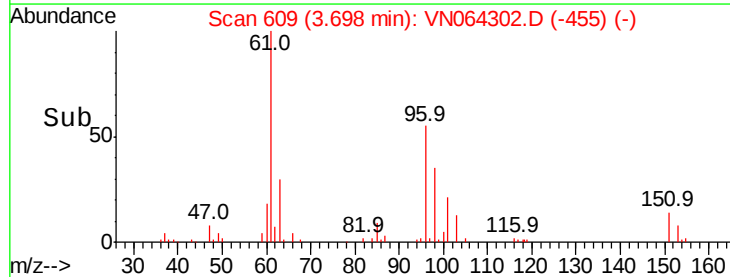
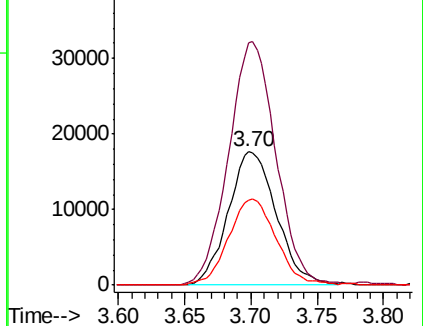
98 63.6 47.4 71.0

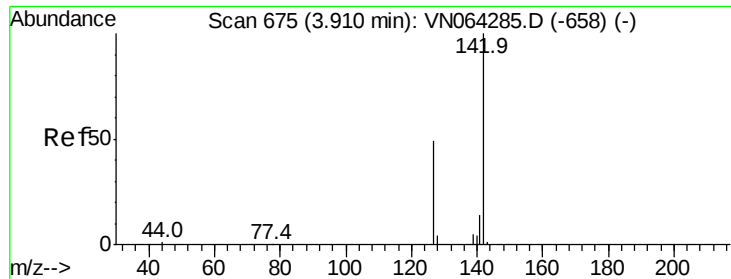


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

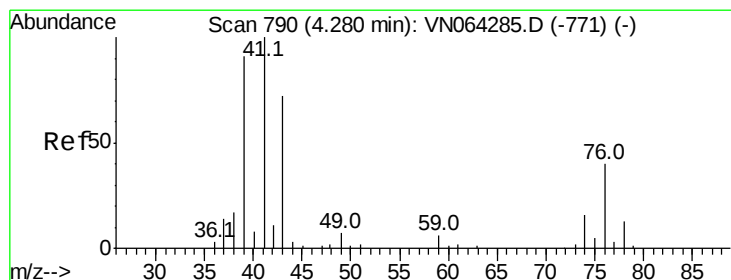
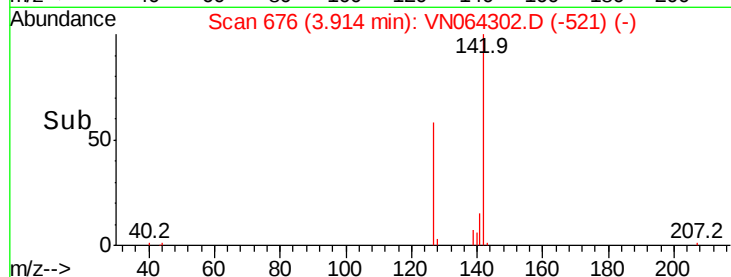
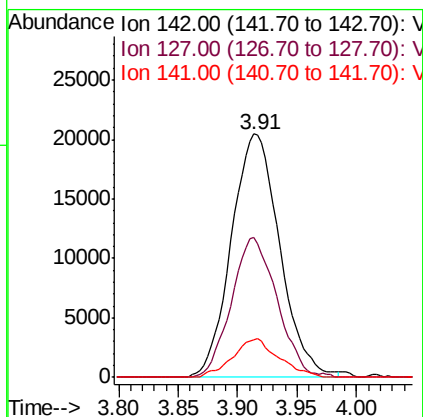
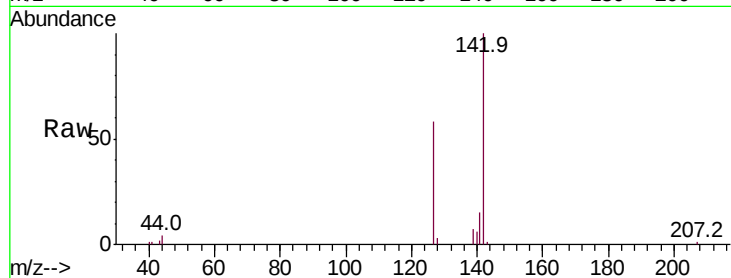




#11
Methvl Iodide
Concen: 16.001 ug/l
RT: 3.91 min Scan# 676
Delta R.T. -0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

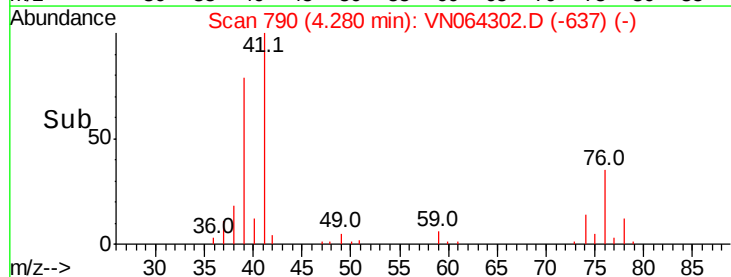
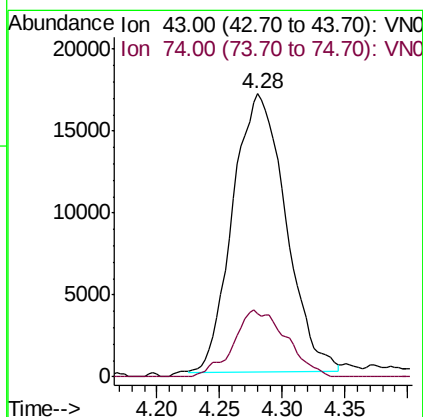
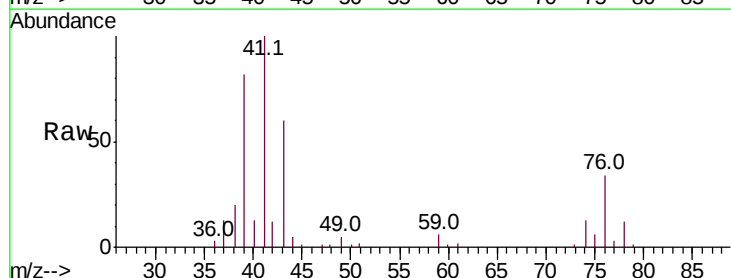
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

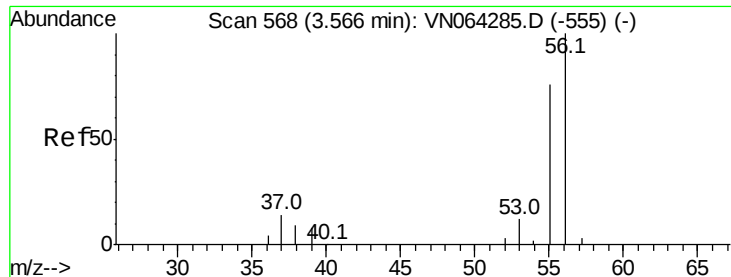
Tot Ion:142 Resp: 57651
Ion Ratio Lower Upper
142 100
127 58.2 25.9 77.8
141 15.4 7.5 22.6



#12
Methyl Acetate
Concen: 17.000 ug/l
RT: 4.28 min Scan# 790
Delta R.T. -0.01 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

Tgt Ion: 43 Resp: 49988
Ion Ratio Lower Upper
43 100
74 23.0 19.0 28.6





#13

Acrolein

Concen: 71.250 ug/l

RT: 3.57 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

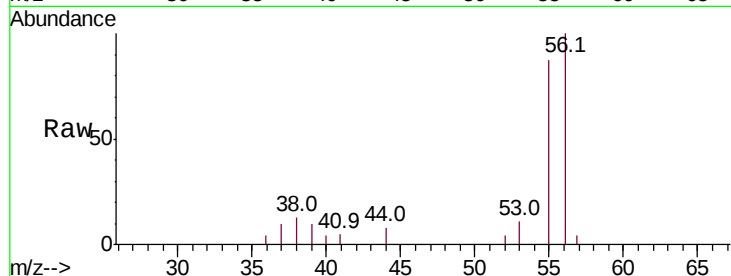
VSTDCCC020EC

Tot Ion: 56 Resp: 17192

Ion Ratio Lower Upper

56 100

55 81.0 61.0 91.6



Abundance Ion 56.00 (55.70 to 56.70): VN064302.D (-555) (-)

Ion 55.00 (54.70 to 55.70): VN064302.D (-555) (-)

3.57

8000

6000

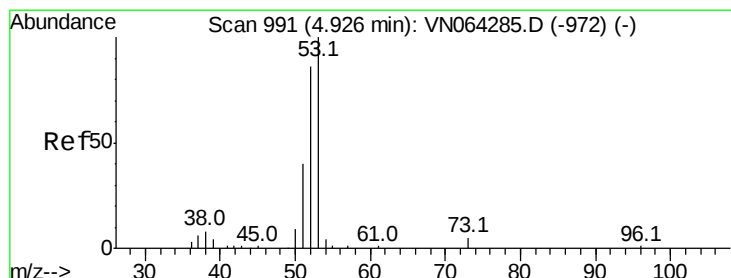
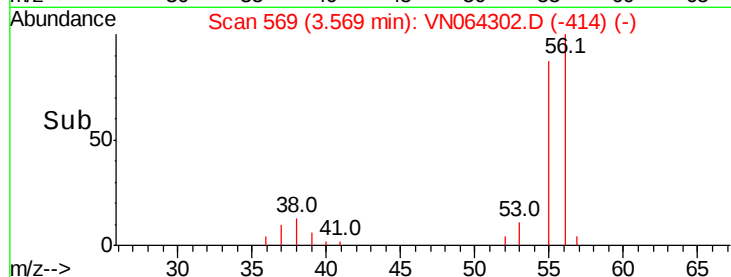
4000

2000

0

Time-->

3.50 3.55 3.60 3.65



#14

Acrylonitrile

Concen: 81.881 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

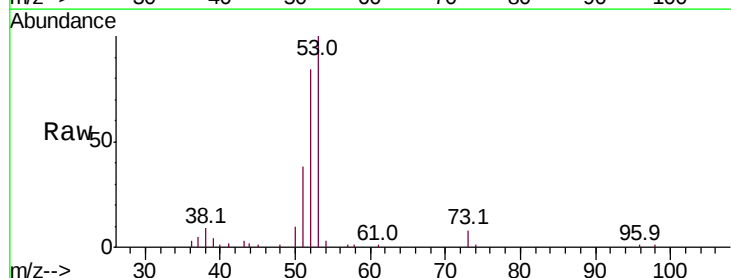
Tgt Ion: 53 Resp: 93181

Ion Ratio Lower Upper

53 100

52 32.7 41.7 125.1#

51 40.3 18.9 56.7



Abundance Ion 53.00 (52.70 to 53.70): VN064302.D (-837) (-)

Ion 52.00 (51.70 to 52.70): VN064302.D (-837) (-)

Ion 51.00 (50.70 to 51.70): VN064302.D (-837) (-)

4.93

30000

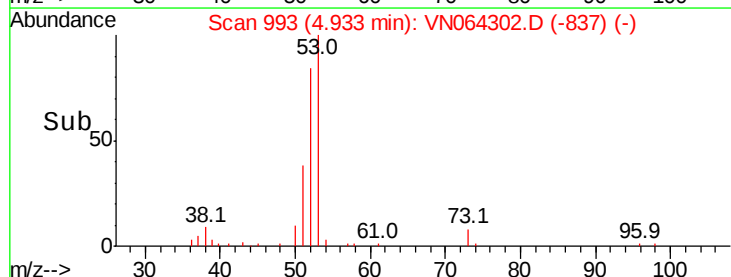
20000

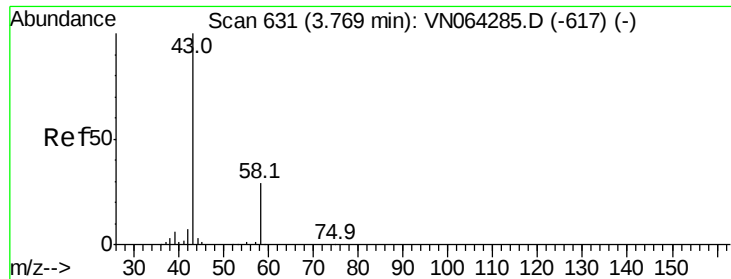
10000

0

Time-->

4.85 4.90 4.95 5.00





#15

Acetone

Concen: 36.980 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.01 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

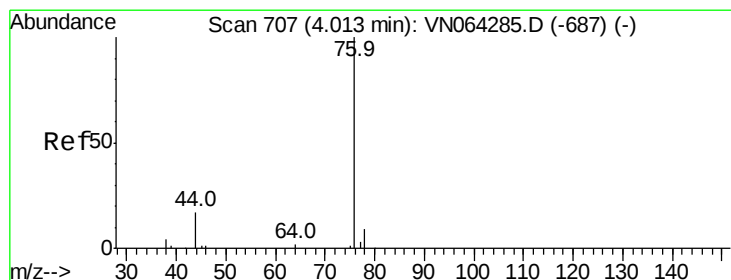
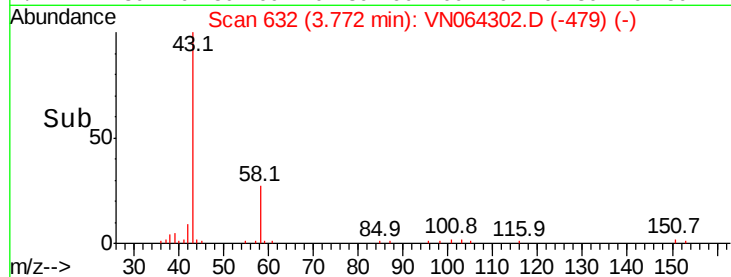
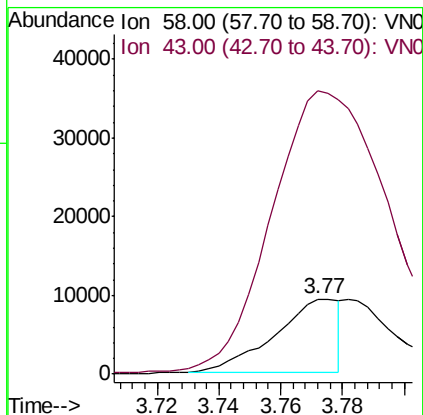
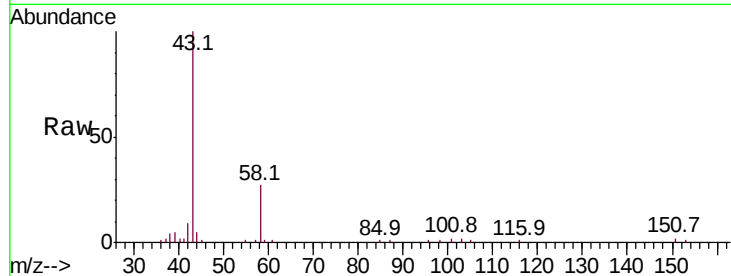
VSTDCCC020EC

Tot Ion: 58 Resp: 13471

Ion Ratio Lower Upper

58 100

43 377.3 297.4 446.0



#16

Carbon Disulfide

Concen: 16.682 ug/l

RT: 4.01 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN064302.D

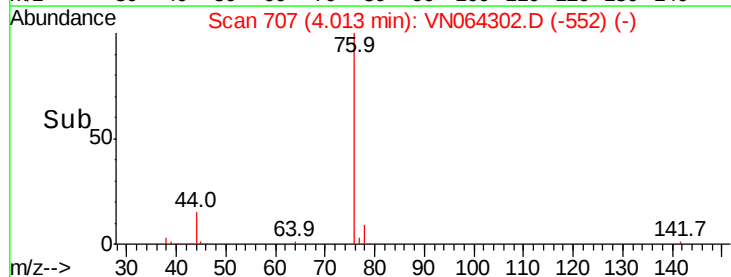
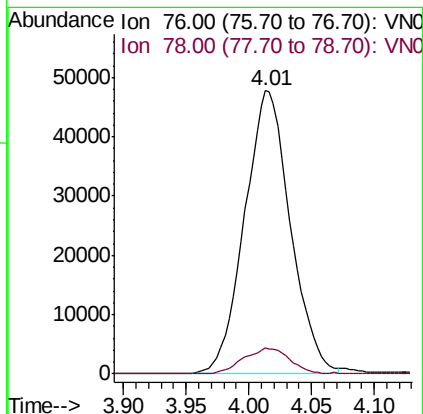
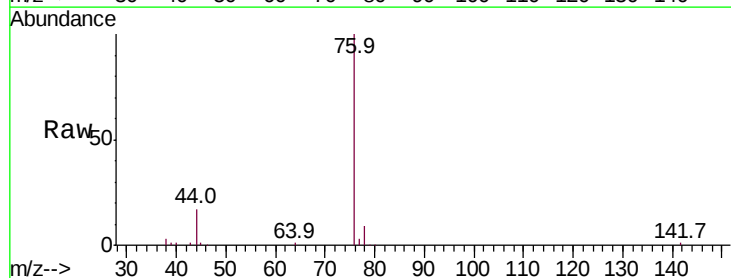
Acq: 23 Oct 2020 22:02

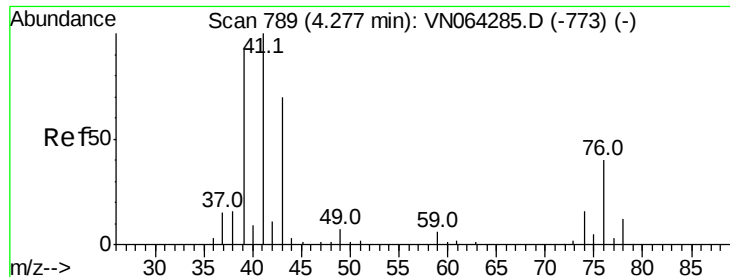
Tgt Ion: 76 Resp: 121535

Ion Ratio Lower Upper

76 100

78 9.0 9.0 13.4

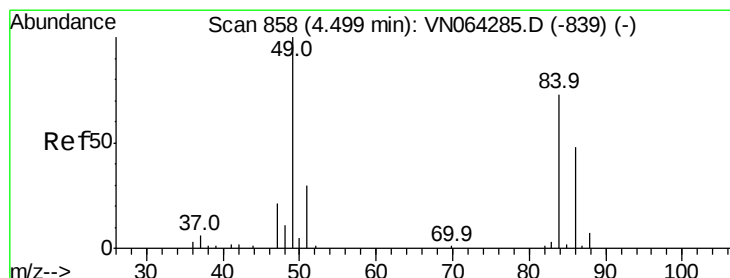
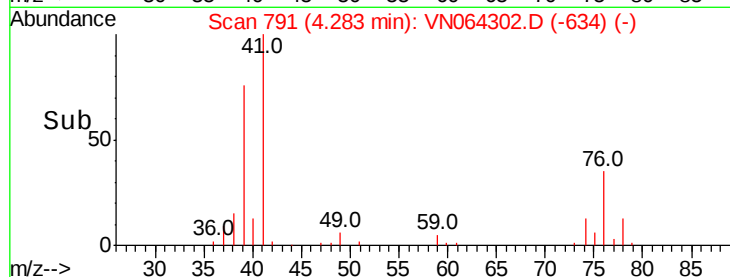
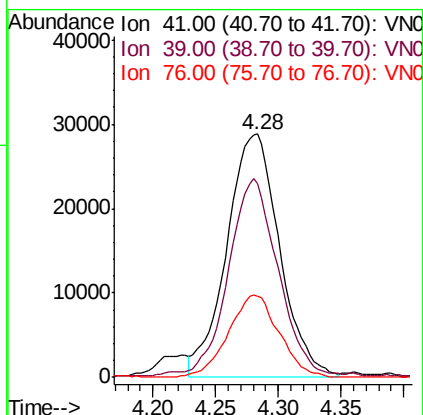
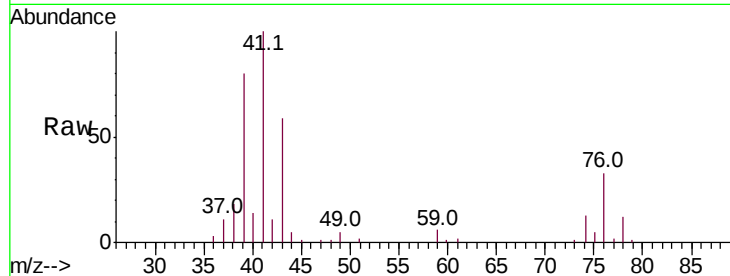




#17
Allvl chloride
Concen: 17.560 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

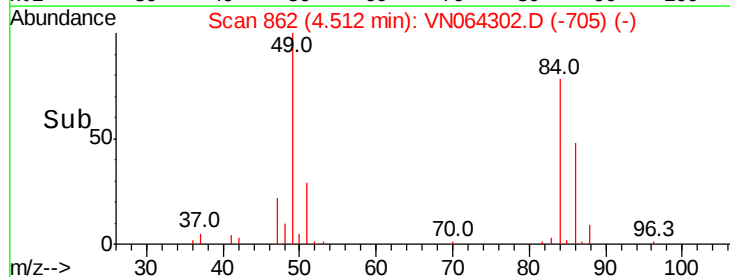
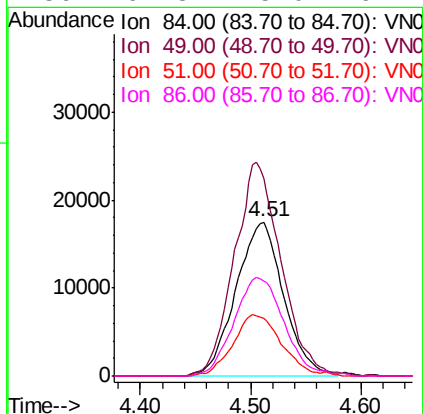
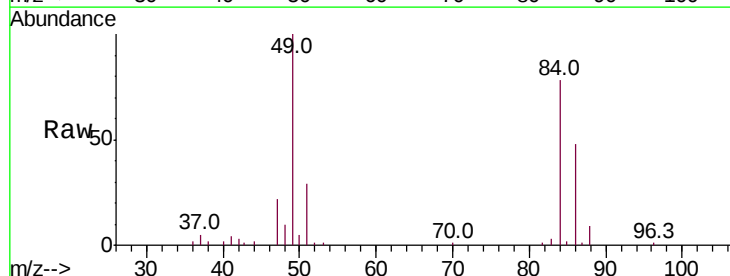
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

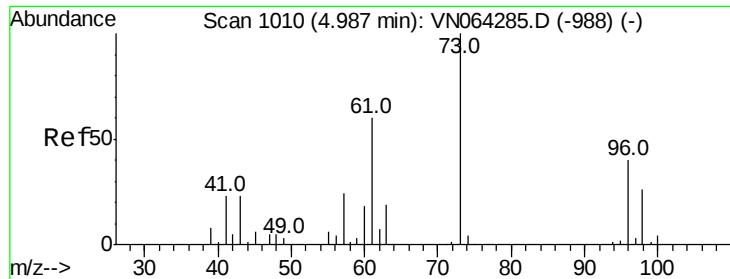
Tot Ion: 41 Resp: 84648
Ion Ratio Lower Upper
41 100
39 79.0 39.9 119.6
76 33.8 21.4 64.2



#18
Methylene Chloride
Concen: 17.836 ug/l
RT: 4.51 min Scan# 862
Delta R.T. 0.01 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

Tgt Ion: 84 Resp: 52437
Ion Ratio Lower Upper
84 100
49 126.8 101.1 151.7
51 37.6 33.4 50.0
86 61.8 45.0 67.4

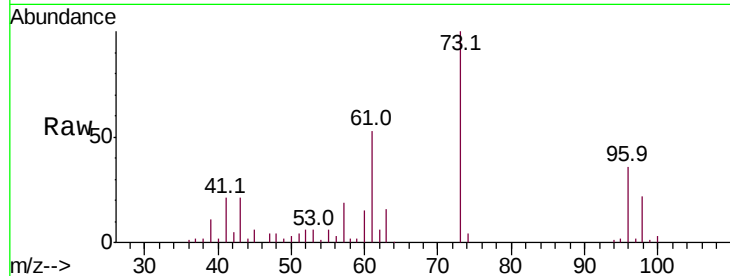




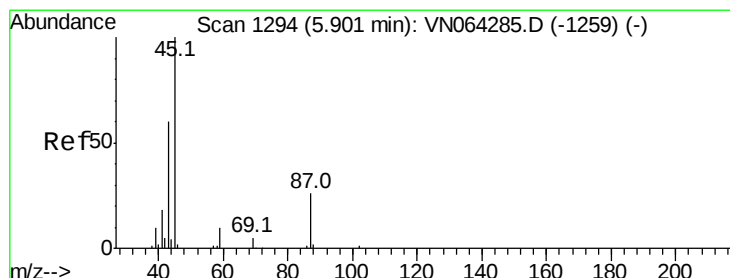
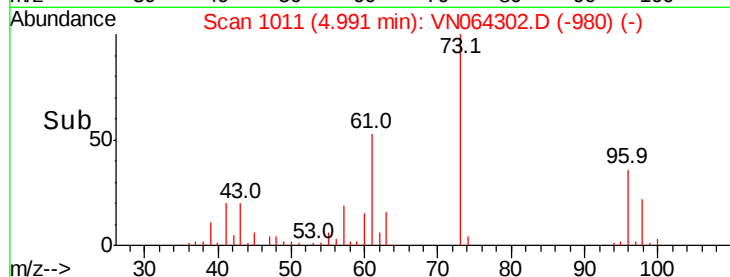
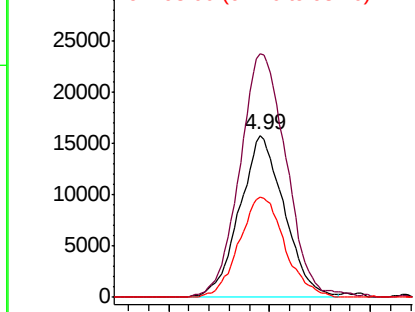
#19
trans-1,2-Dichloroethene
Concen: 16.983 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 96 Resp: 48545
Ion Ratio Lower Upper
96 100
61 150.0 114.2 171.2
98 61.5 52.8 79.2

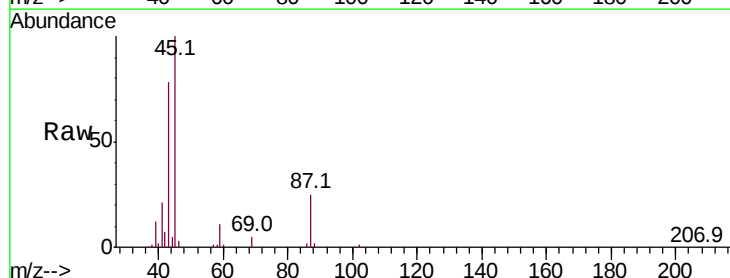


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

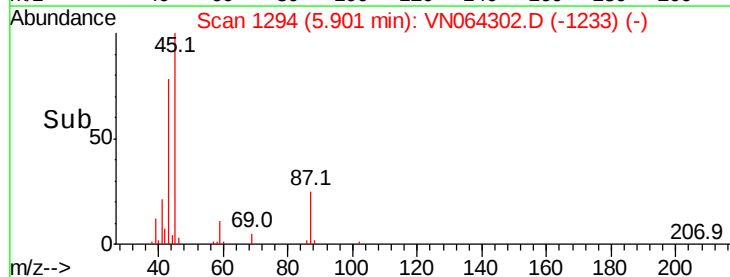
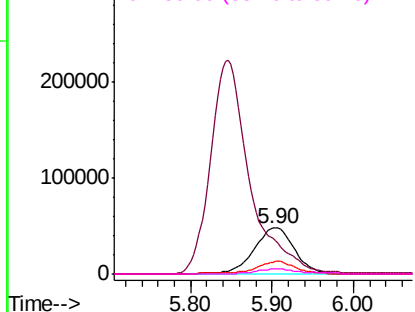


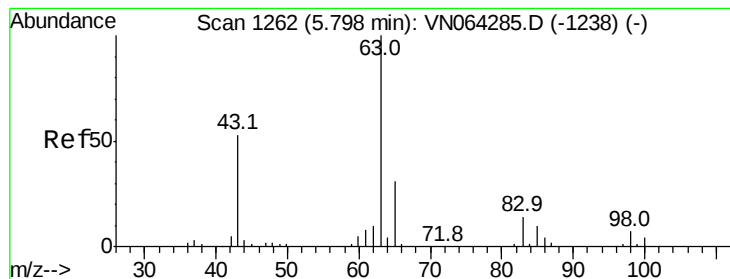
#20
Diisopropyl ether
Concen: 18.061 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

Tgt Ion: 45 Resp: 165905
Ion Ratio Lower Upper
45 100
43 73.5 58.9 88.3
87 25.4 21.0 31.4
59 10.9 9.1 13.7



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





#21

1,1-Dichloroethane

Concen: 18.305 ug/l

RT: 5.80 min Scan# 1264

Delta R.T. 0.01 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

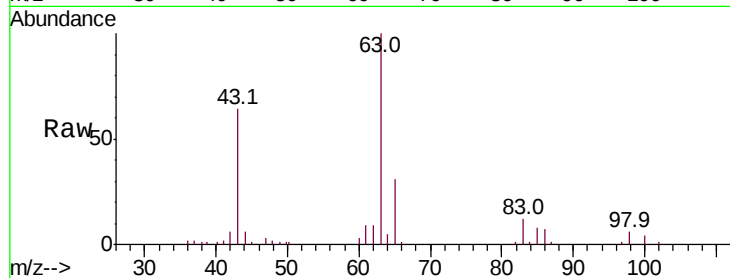
Tot Ion: 63 Resp: 100286

Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.6

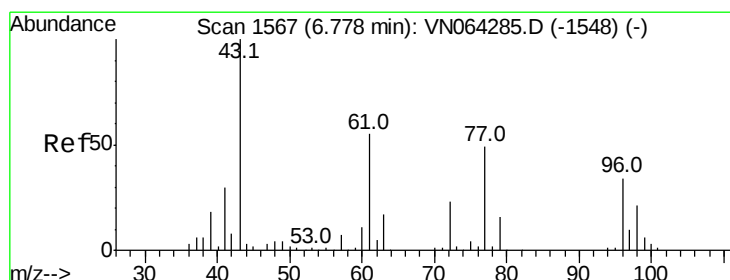
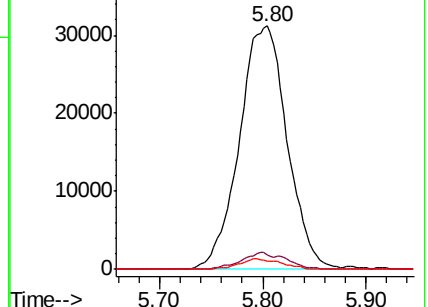
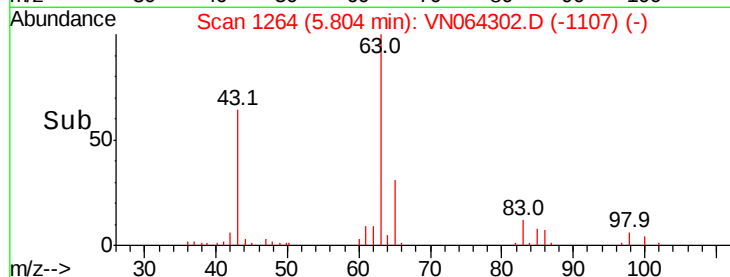
100 3.5 1.6 4.7



Abundance Ion 63.00 (62.70 to 63.70): VN064302.D (-1264) (-)

Ion 98.00 (97.70 to 98.70): VN064302.D (-1264) (-)

Ion 100.00 (99.70 to 100.70): VN064302.D (-1264) (-)



#22

cis-1,2-Dichloroethene

Concen: 17.713 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

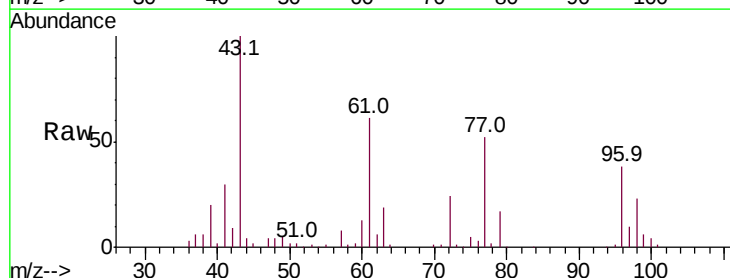
Tgt Ion: 96 Resp: 58083

Ion Ratio Lower Upper

96 100

61 163.4 132.2 198.2

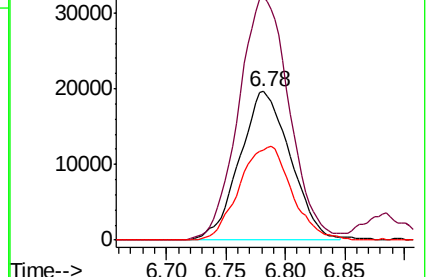
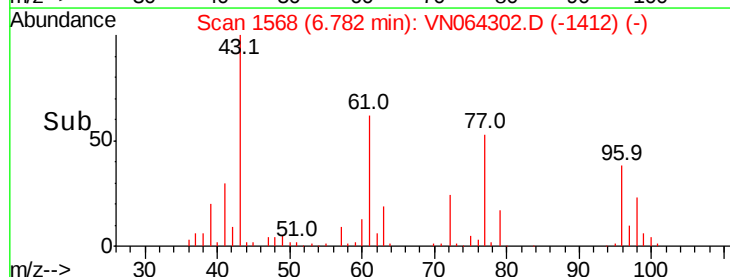
98 65.0 26.5 39.7#

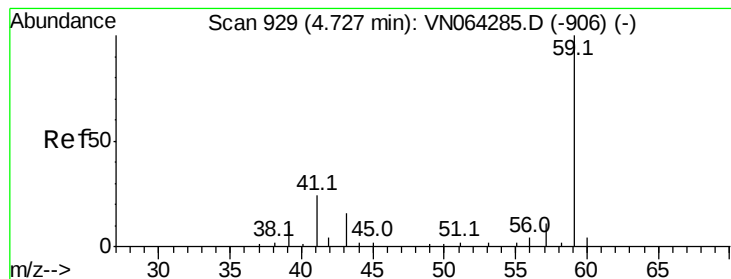


Abundance Ion 96.00 (95.70 to 96.70): VN064302.D (-1568) (-)

Ion 61.00 (60.70 to 61.70): VN064302.D (-1568) (-)

Ion 98.00 (97.70 to 98.70): VN064302.D (-1568) (-)





#23

tert-Butyl Alcohol

Concen: 78.742 ug/l

RT: 4.73 min Scan# 930

Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampled :

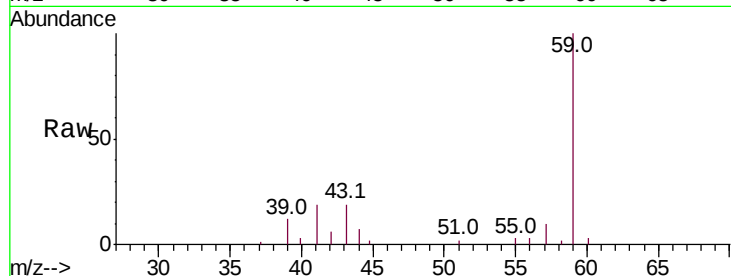
VSTDCCC020EC

Tot Ion: 59 Resp: 41550

Ion Ratio Lower Upper

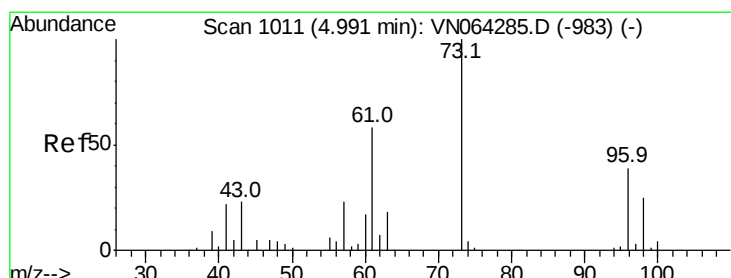
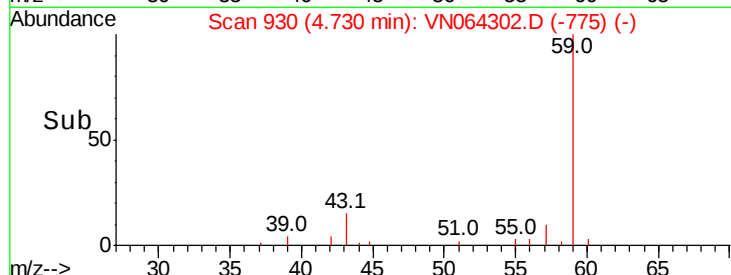
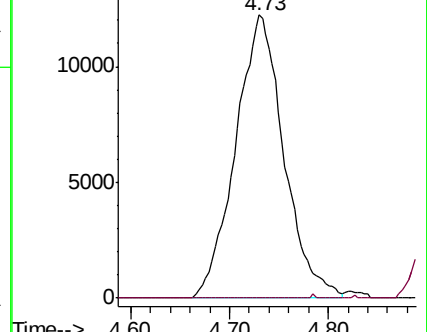
59 100

52 0.0 0.2 0.2#



Abundance Ion 59.00 (58.70 to 59.70): VN064302.D (-775) (-)

Ion 52.00 (51.70 to 52.70): VN064302.D (-775) (-)



#24

Methyl tert-Butyl Ether

Concen: 18.430 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VN064302.D

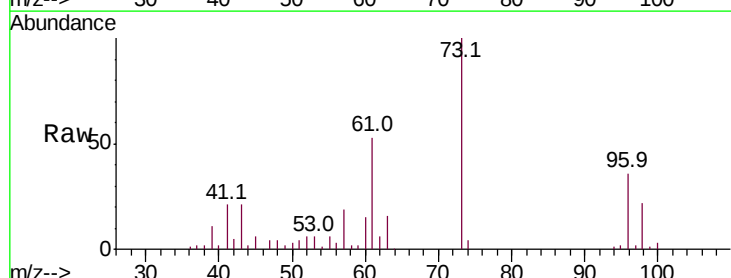
Acq: 23 Oct 2020 22:02

Tgt Ion: 73 Resp: 160954

Ion Ratio Lower Upper

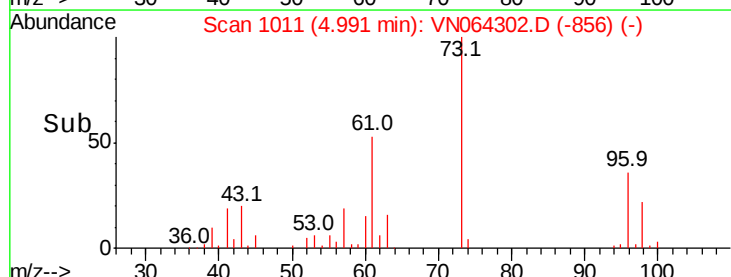
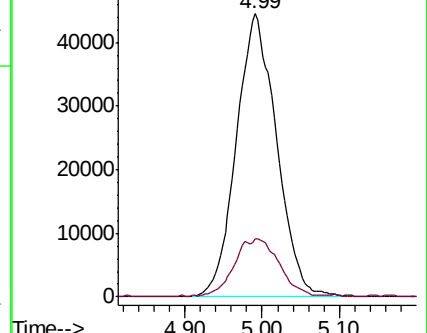
73 100

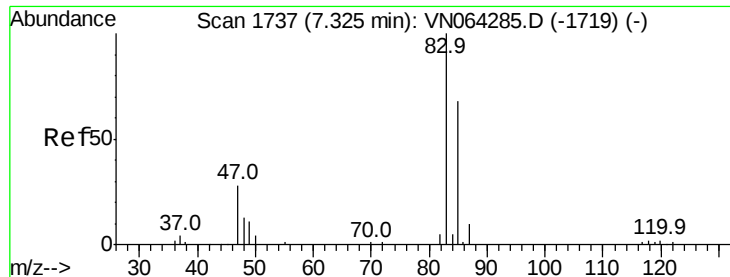
43 8.5 19.7 29.5#



Abundance Ion 73.00 (72.70 to 73.70): VN064302.D (-856) (-)

Ion 43.00 (42.70 to 43.70): VN064302.D (-856) (-)

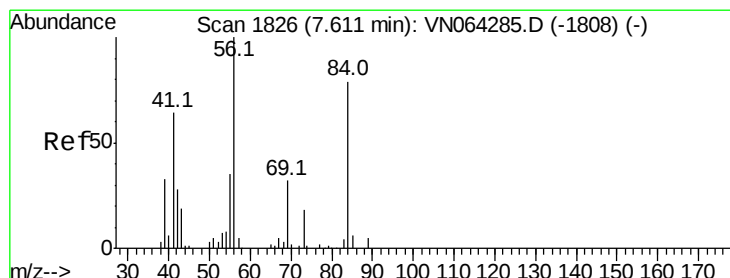
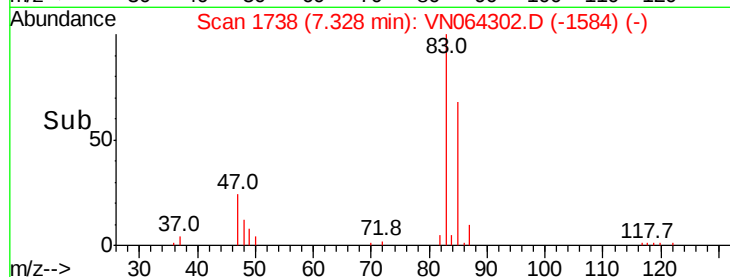
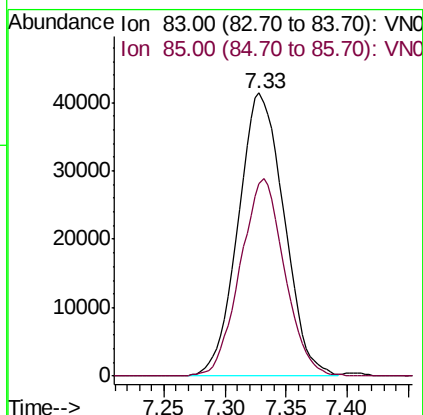
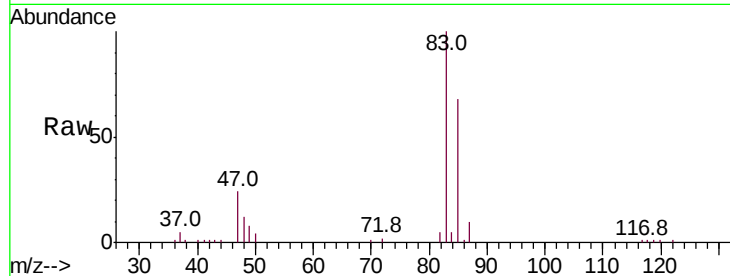




#25
Chloroform
Concen: 18.219 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

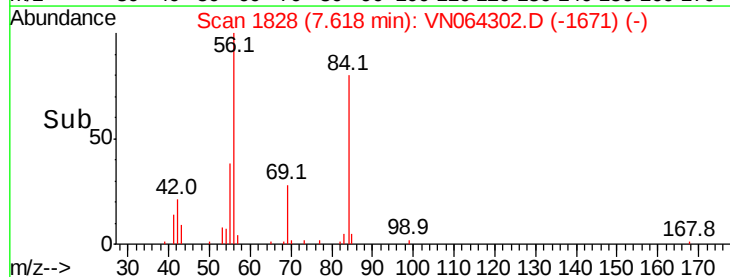
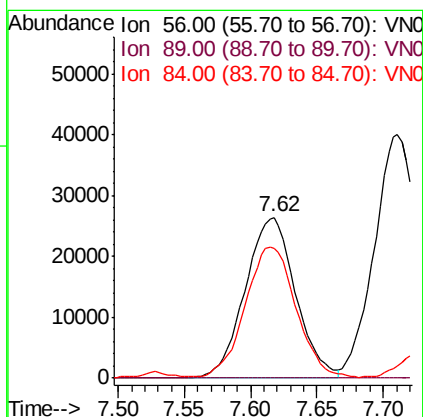
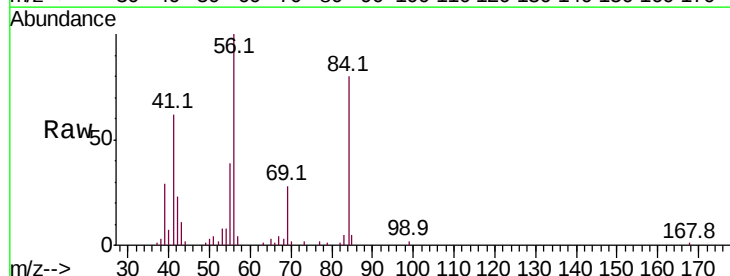
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

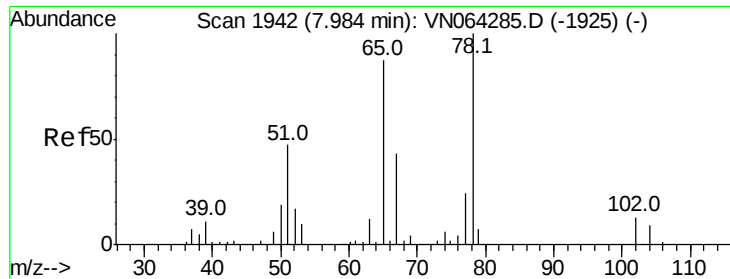
Tot Ion: 83 Resp: 108024
Ion Ratio Lower Upper
83 100
85 68.1 50.3 75.5



#26
Cyclohexane
Concen: 16.476 ug/l
RT: 7.62 min Scan# 1828
Delta R.T. 0.01 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

Tgt Ion: 56 Resp: 70000
Ion Ratio Lower Upper
56 100
89 0.0 3.4 5.2#
84 82.9 66.2 99.2





#27

1,2-Dichloroethane-d4

Concen: 32.846 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

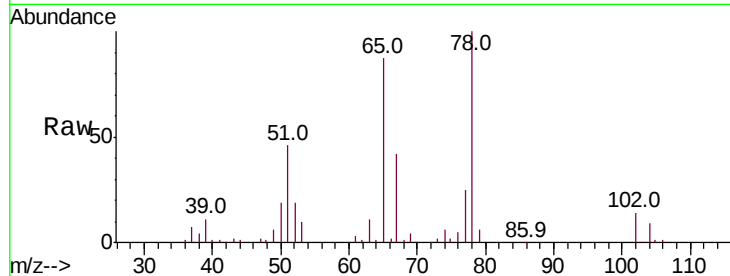
VSTDCCC020EC

Tot Ion: 65 Resp: 129193

Ion Ratio Lower Upper

65 100

67 48.3 38.4 57.6



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

7.99

60000

50000

40000

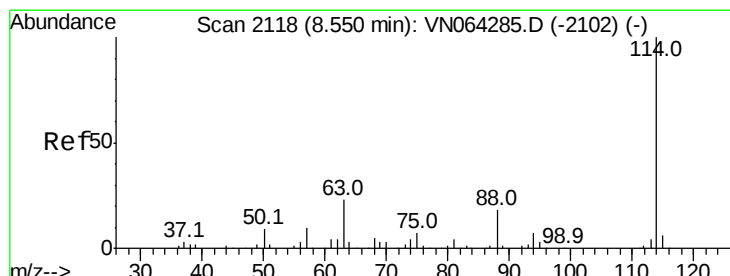
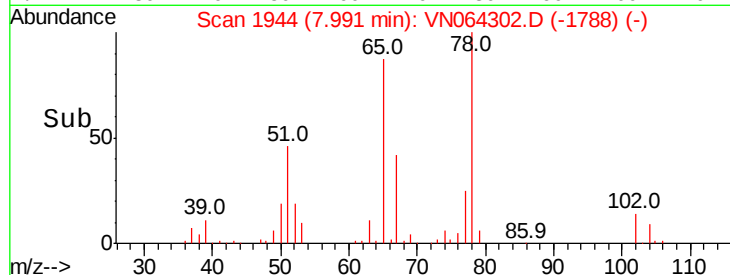
30000

20000

10000

0

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

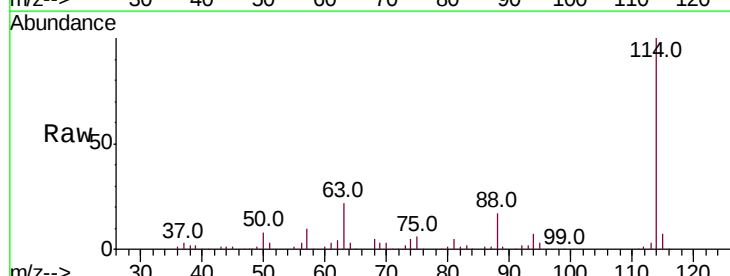
Tgt Ion: 114 Resp: 263742

Ion Ratio Lower Upper

114 100

63 21.9 17.8 26.8

88 16.7 13.8 20.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0

8.55

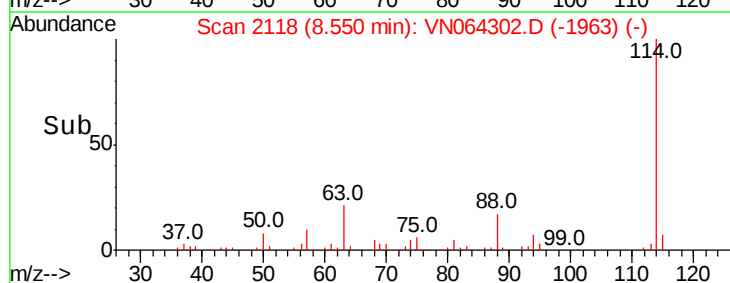
150000

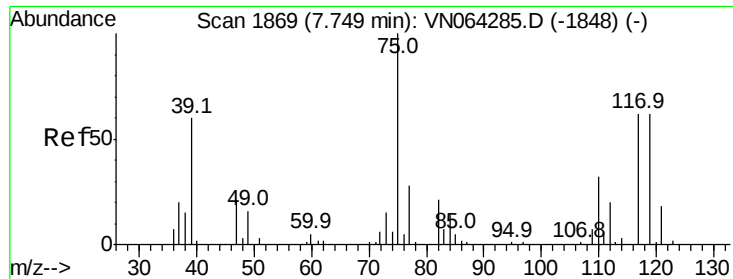
100000

50000

0

Time-->





#29

1,1-Dichloropropene

Concen: 16.554 ug/l

RT: 7.76 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

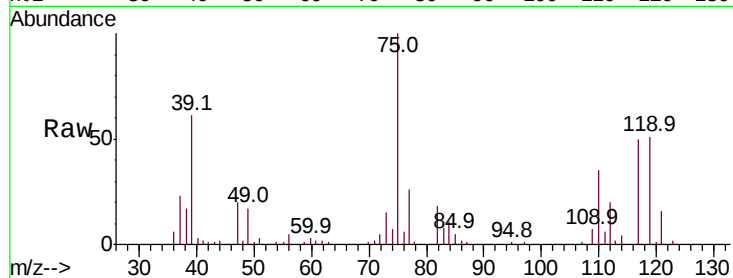
Tot Ion: 75 Resp: 75474

Ion Ratio Lower Upper

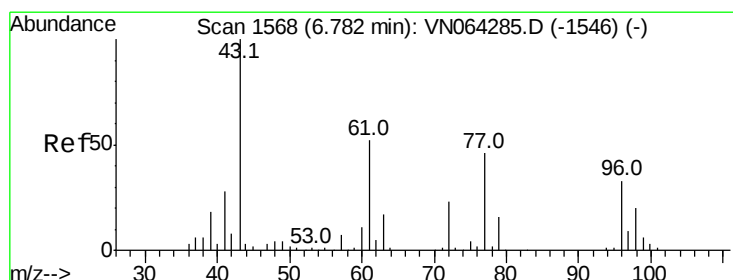
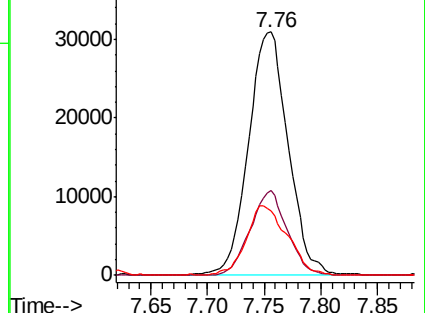
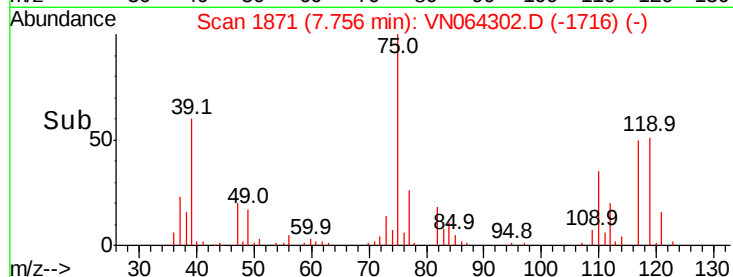
75 100

110 32.4 0.0 66.2

77 29.6 0.0 64.4



Abundance Ion 75.00 (74.70 to 75.70): VN064302.D (-1716) (-)



#30

2-Butanone

Concen: 77.217 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

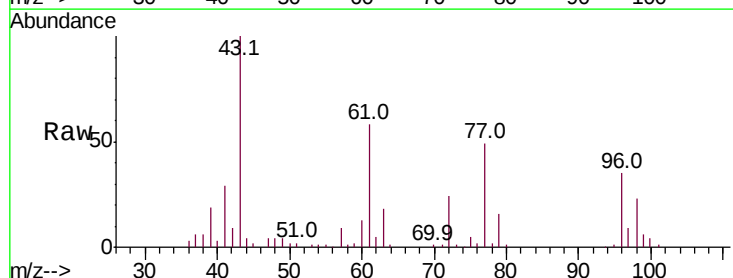
Tgt Ion: 43 Resp: 154619

Ion Ratio Lower Upper

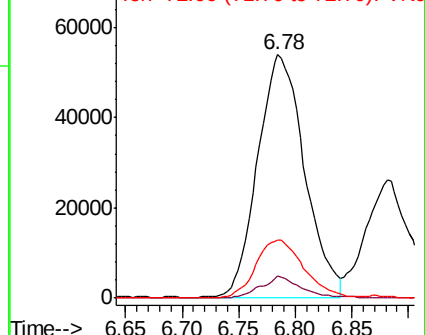
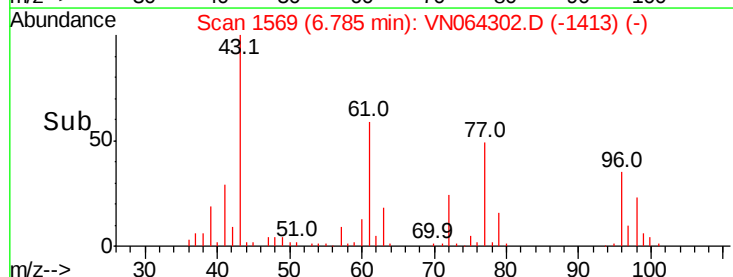
43 100

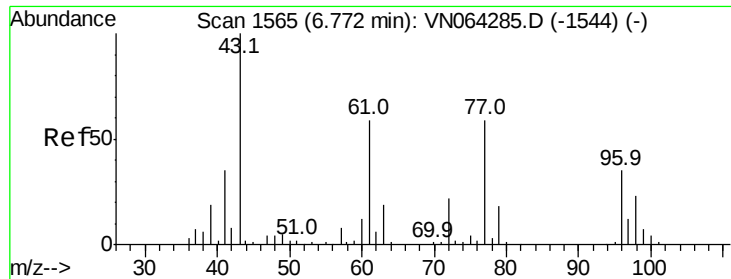
57 7.6 6.4 9.6

72 24.5 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VN064302.D (-1413) (-)

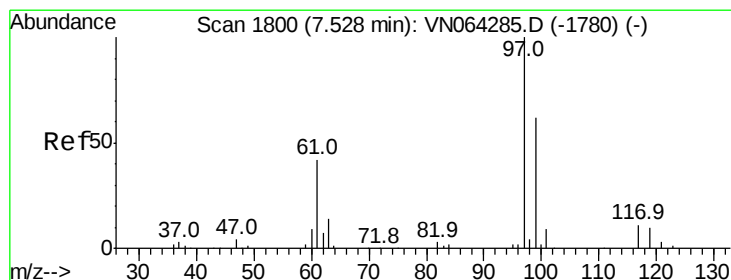
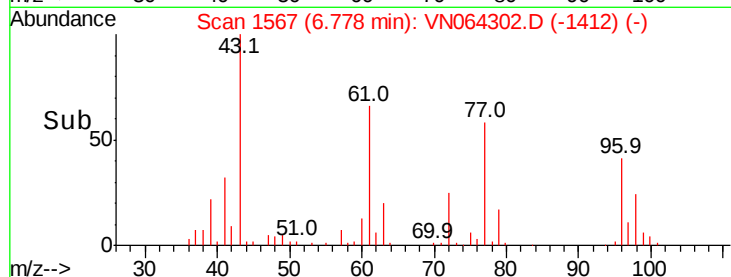
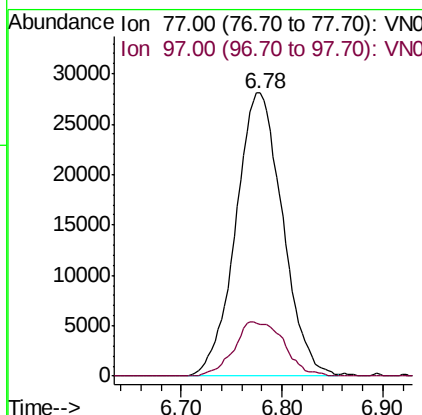
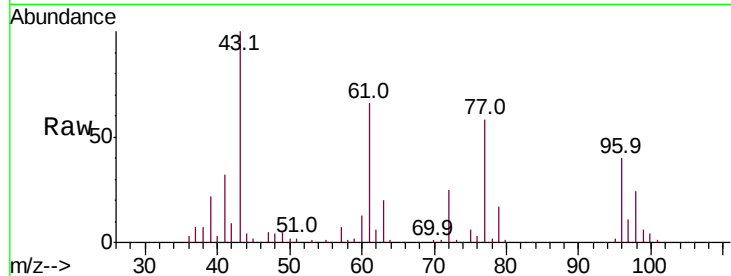




#31
 2,2-Dichloropropane
 Concen: 15.870 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN064302.D
 Acq: 23 Oct 2020 22:02

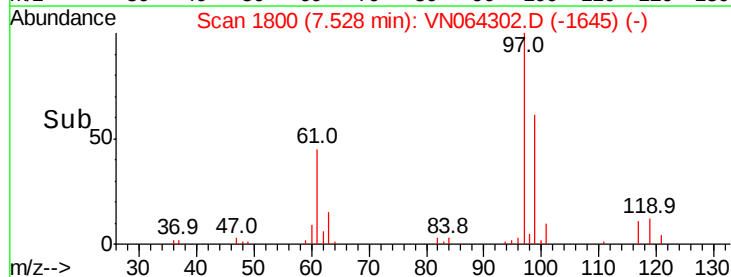
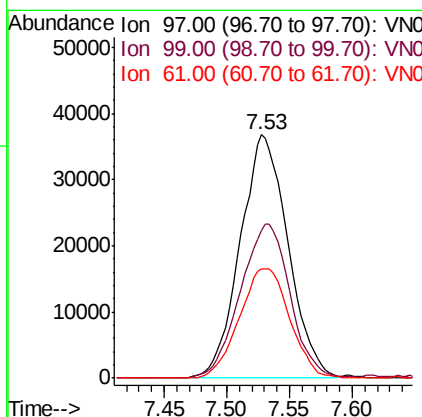
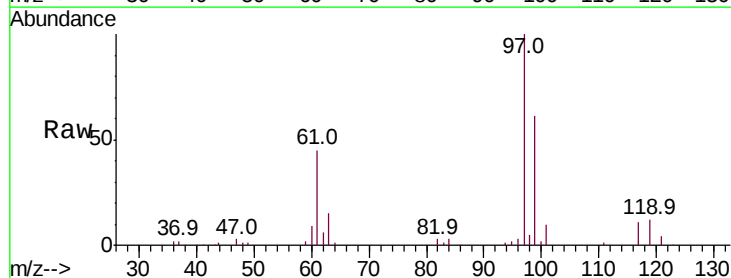
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

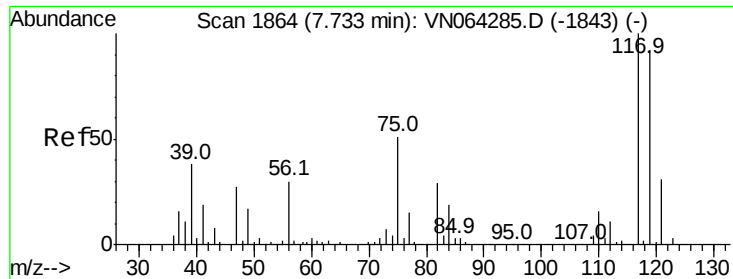
Tot Ion: 77 Resp: 90557
 Ion Ratio Lower Upper
 77 100
 97 12.0 15.1 22.7#



#32
 1,1,1-Trichloroethane
 Concen: 16.779 ug/l
 RT: 7.53 min Scan# 1800
 Delta R.T. -0.00 min
 Lab File: VN064302.D
 Acq: 23 Oct 2020 22:02

Tgt Ion: 97 Resp: 97752
 Ion Ratio Lower Upper
 97 100
 99 65.8 54.4 81.6
 61 47.2 37.5 56.3

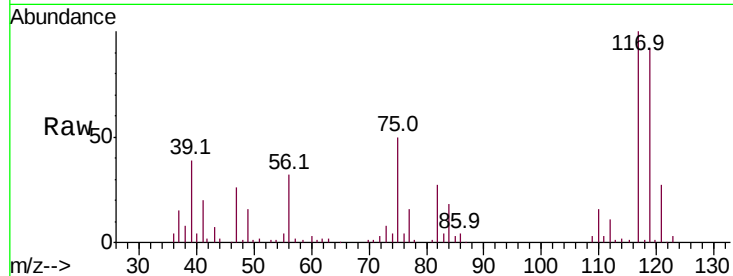




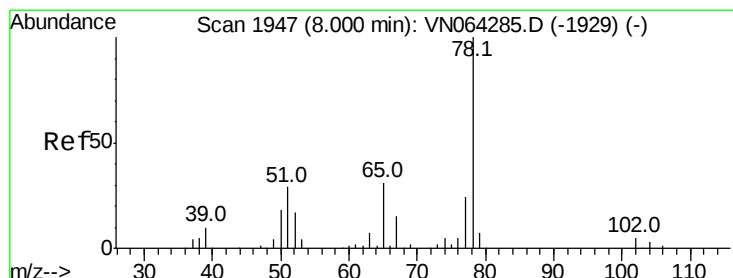
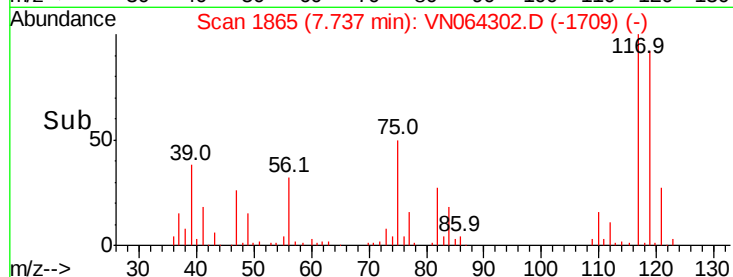
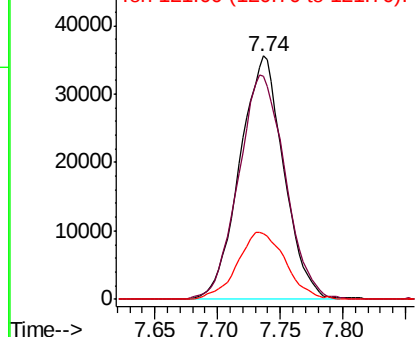
#33
Carbon Tetrachloride
Concen: 16.636 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:117 Resp: 86822
Ion Ratio Lower Upper
117 100
119 90.9 80.1 120.1
121 27.1 26.2 39.2

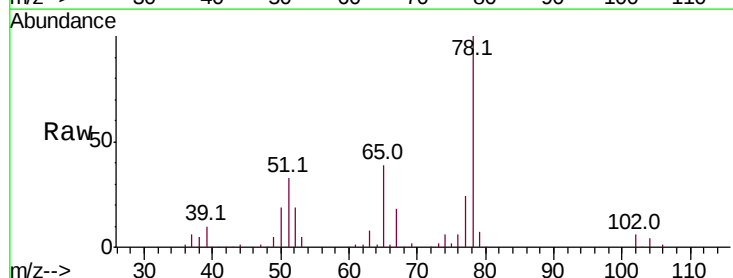


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

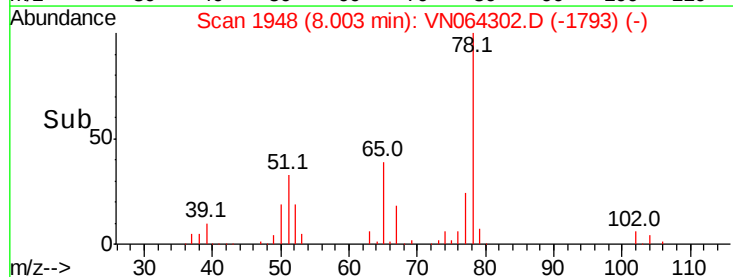
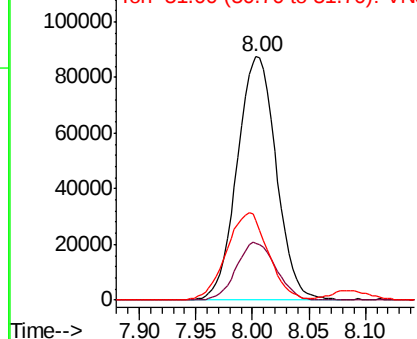


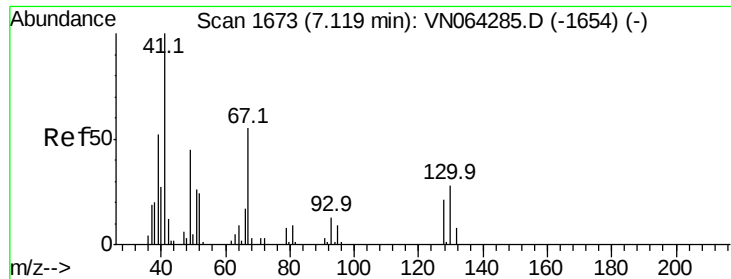
#34
Benzene
Concen: 16.894 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

Tgt Ion: 78 Resp: 210502
Ion Ratio Lower Upper
78 100
77 23.5 19.2 28.8
51 32.1 25.2 37.8



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

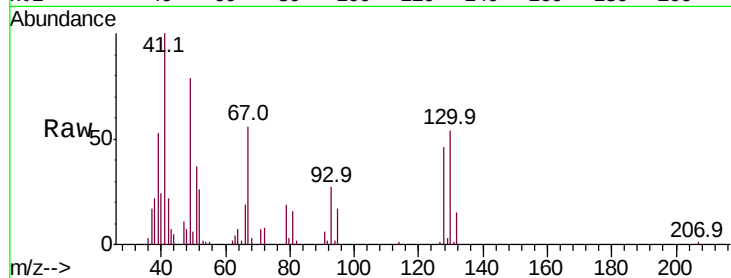




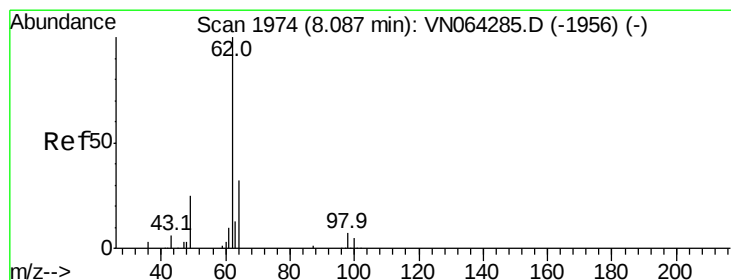
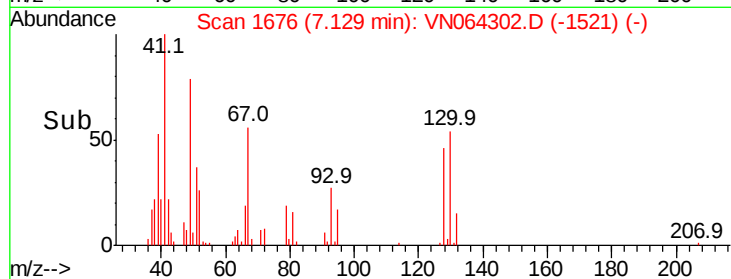
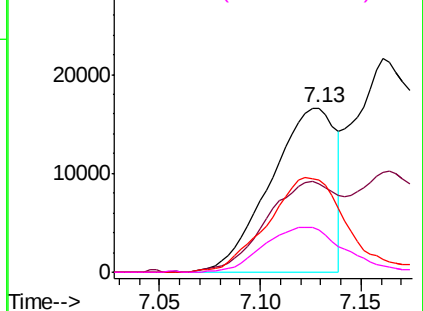
#35
Methacrylonitrile
Concen: 18.473 ug/l
RT: 7.13 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	41	Resp:	37292
Ion	Ratio	Lower	Upper
41	100		
39	53.4	28.0	83.9
67	55.9	29.9	89.8
52	26.0	12.4	37.2

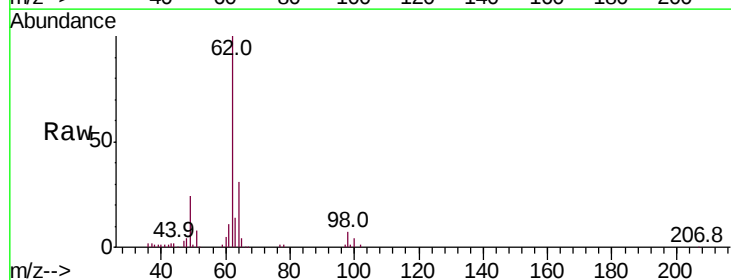


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

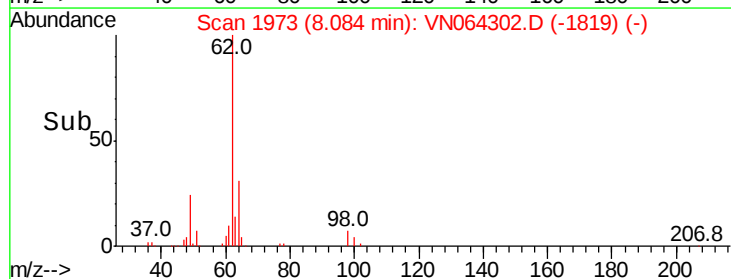
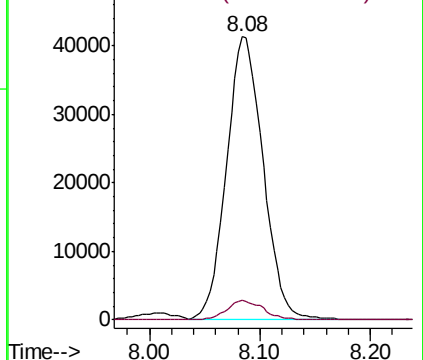


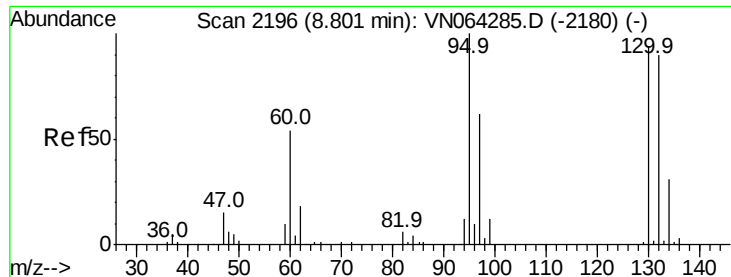
#36
1,2-Dichloroethane
Concen: 17.955 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

Tgt Ion:	62	Resp:	95383
Ion	Ratio	Lower	Upper
62	100		
98	6.8	5.4	8.0



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





#37

Trichloroethene

Concen: 17.257 ug/l

RT: 8.80 min Scan# 2197

Delta R.T. 0.01 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

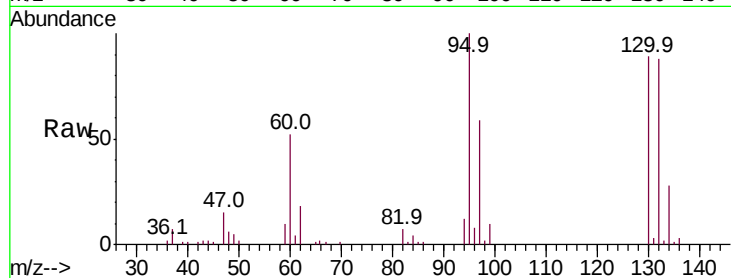
VSTDCCC020EC

Tot Ion:130 Resp: 59174

Ion Ratio Lower Upper

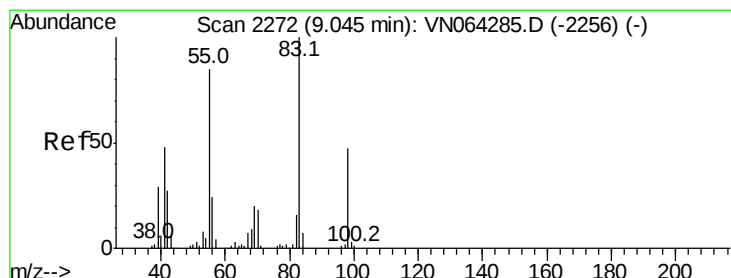
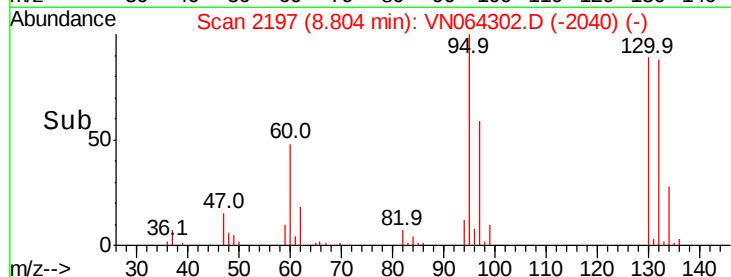
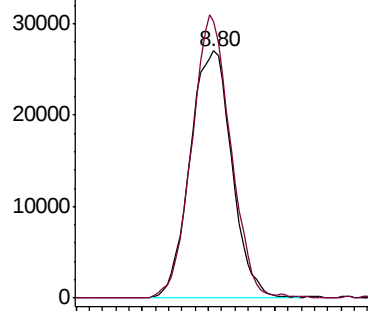
130 100

95 112.3 81.2 121.8



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 15.135 ug/l

RT: 9.05 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

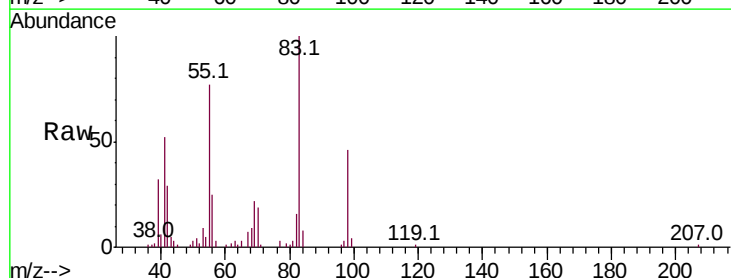
Tgt Ion: 83 Resp: 62997

Ion Ratio Lower Upper

83 100

55 80.5 40.3 120.9

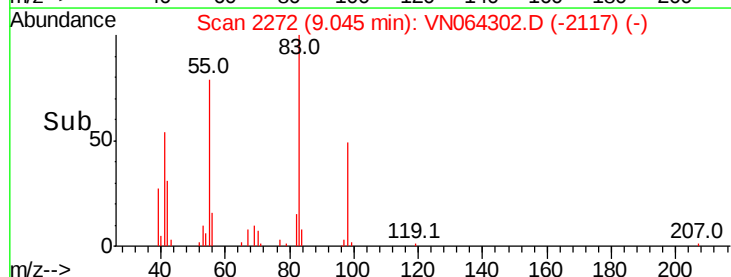
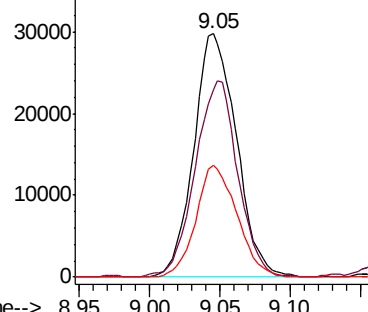
98 44.1 25.3 75.8

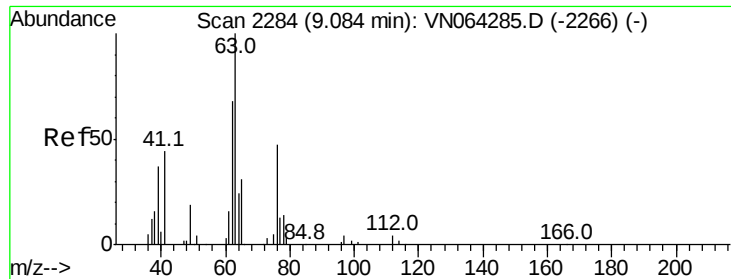


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN





#39

1,2-Dichloropropane

Concen: 17.129 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

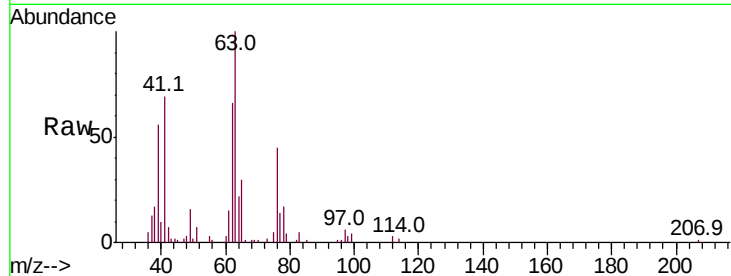
VSTDCCC020EC

Tot Ion: 63 Resp: 57056

Ion Ratio Lower Upper

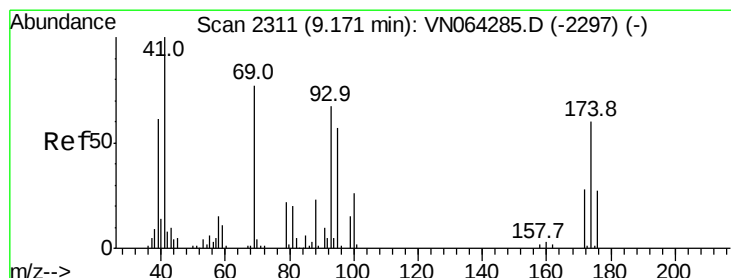
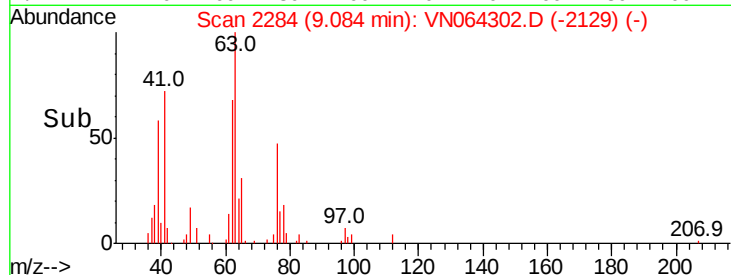
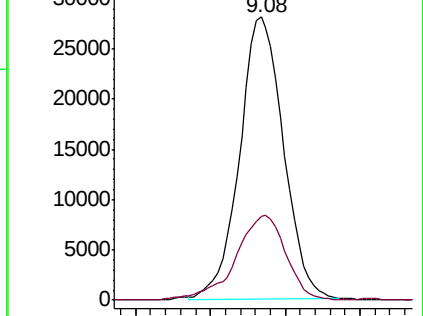
63 100

65 29.8 26.1 39.1



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 16.898 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

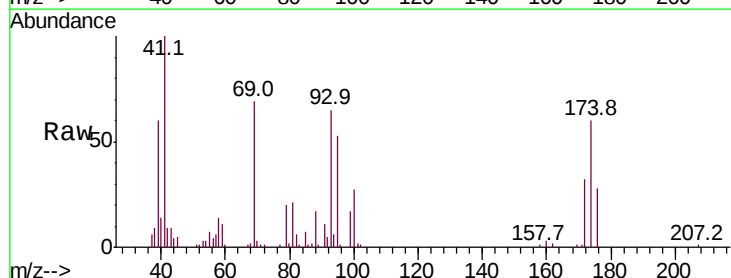
Tgt Ion: 93 Resp: 39380

Ion Ratio Lower Upper

93 100

95 84.8 0.0 156.6

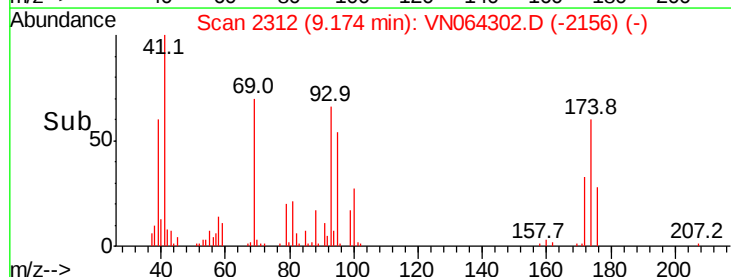
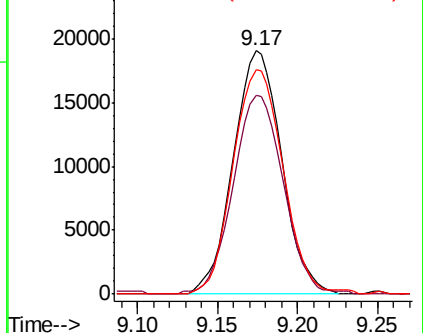
174 94.9 0.0 168.8

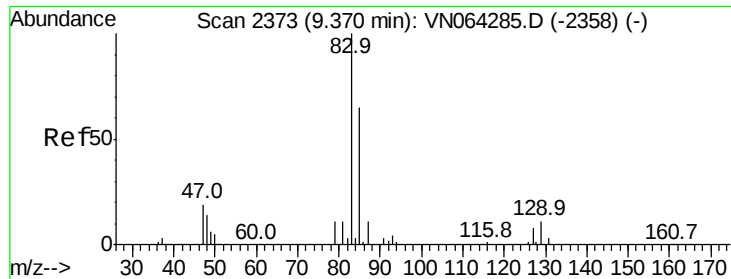


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 17.523 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

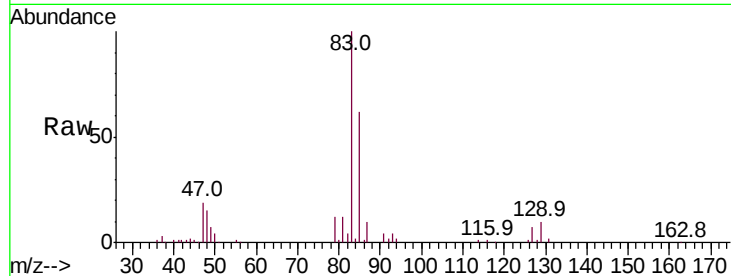
Tot Ion: 83 Resp: 88557

Ion Ratio Lower Upper

83 100

85 62.3 57.8 86.6

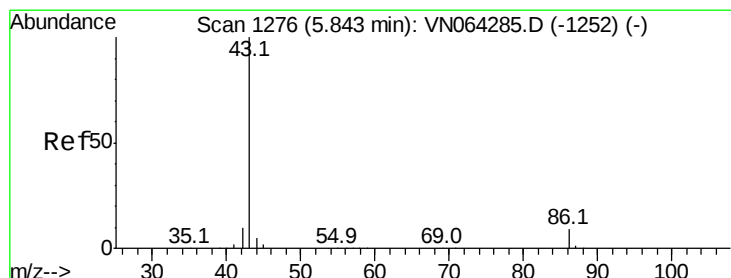
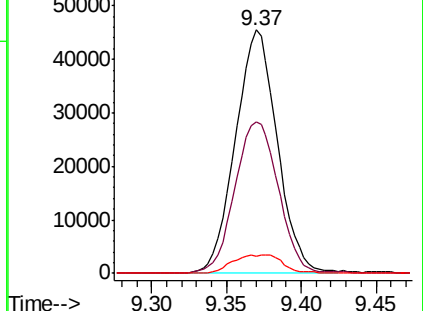
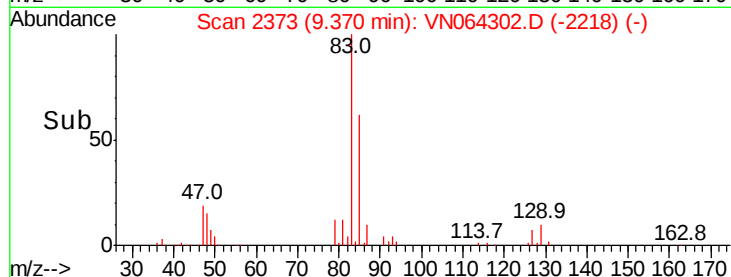
127 7.2 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VN064302.D (-2218) (-)

Ion 85.00 (84.70 to 85.70): VN064302.D (-2218) (-)

Ion 127.00 (126.70 to 127.70): VN064302.D (-2218) (-)



#42

Vinyl Acetate

Concen: 85.402 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN064302.D

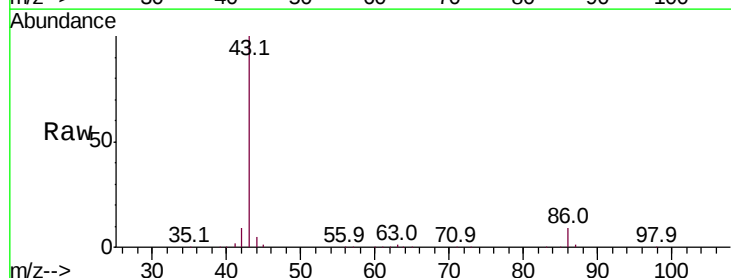
Acq: 23 Oct 2020 22:02

Tgt Ion: 43 Resp: 754257

Ion Ratio Lower Upper

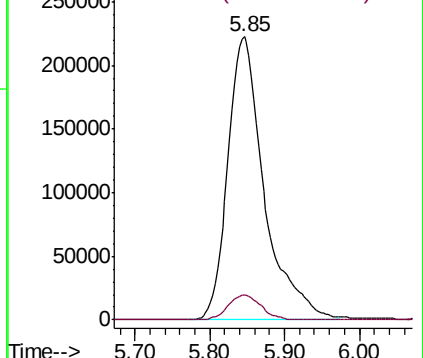
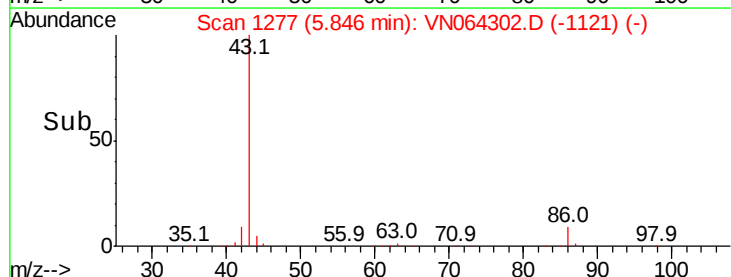
43 100

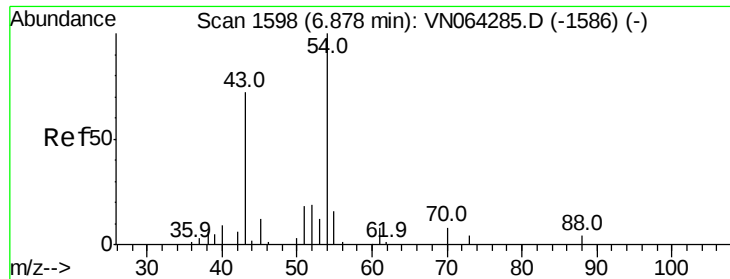
86 7.9 6.6 9.8



Abundance Ion 43.00 (42.70 to 43.70): VN064302.D (-1121) (-)

Ion 86.00 (85.70 to 86.70): VN064302.D (-1121) (-)





#43

Ethyl Acetate

Concen: 17.054 ug/l

RT: 6.88 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

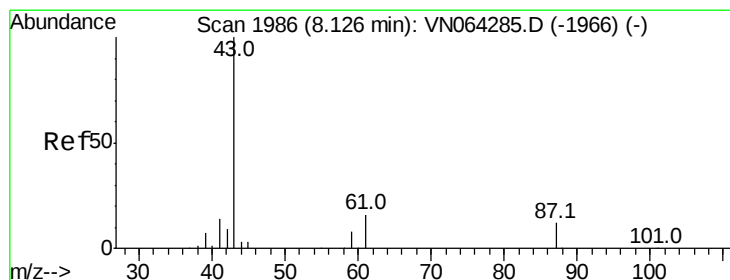
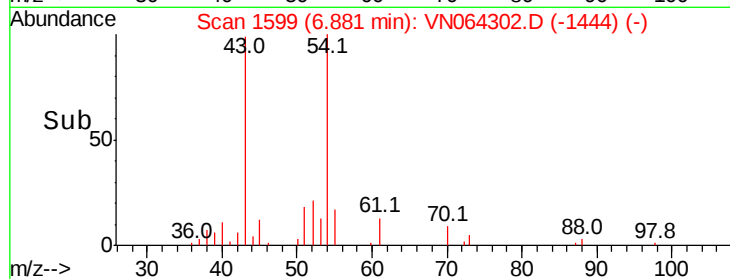
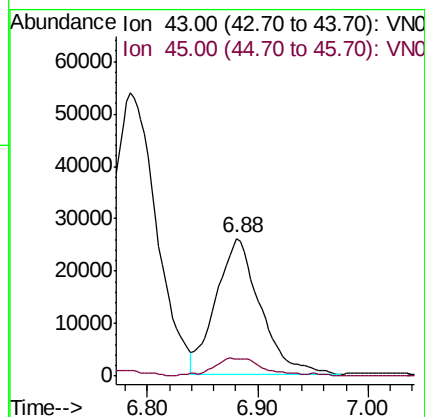
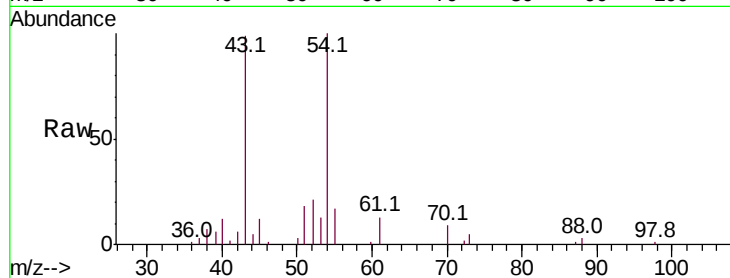
VSTDCCC020EC

Tot Ion: 43 Resp: 72292

Ion Ratio Lower Upper

43 100

45 5.3 8.2 12.4#



#44

Isopropyl Acetate

Concen: 17.142 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064302.D

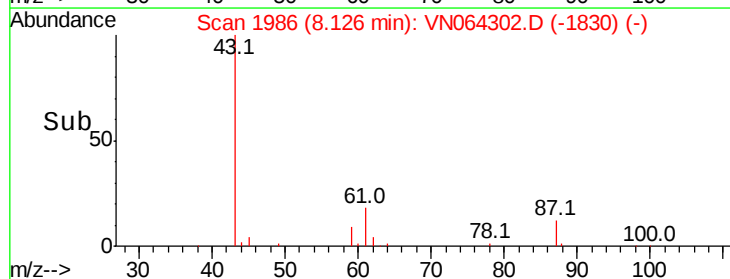
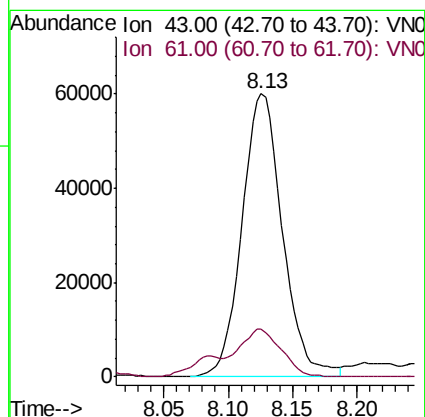
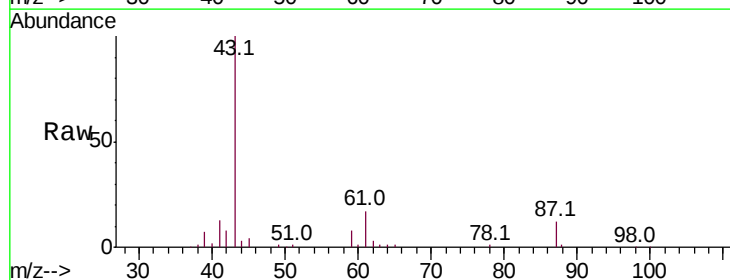
Acq: 23 Oct 2020 22:02

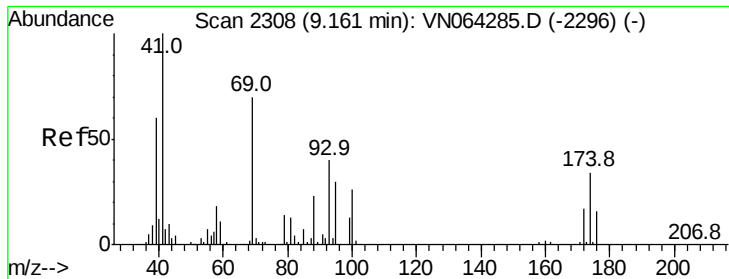
Tgt Ion: 43 Resp: 130324

Ion Ratio Lower Upper

43 100

61 17.1 19.9 29.9#

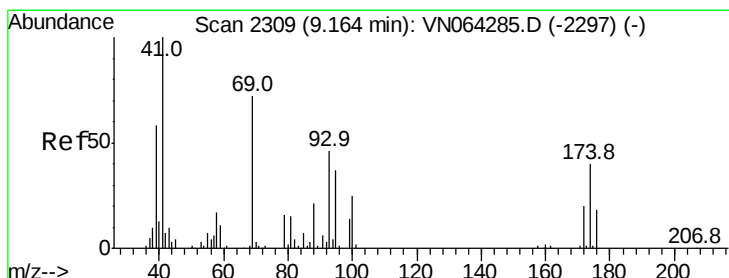
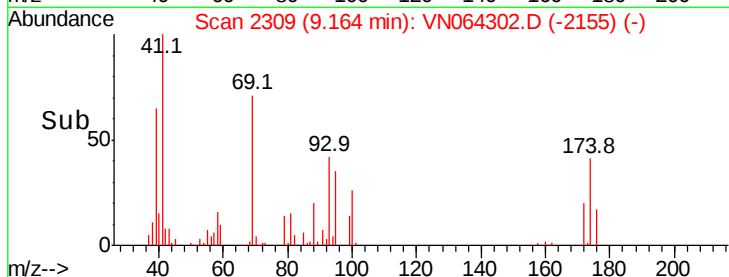
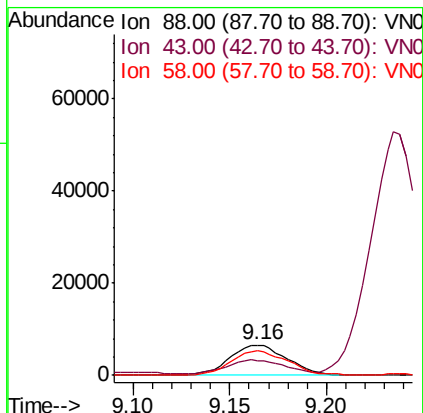
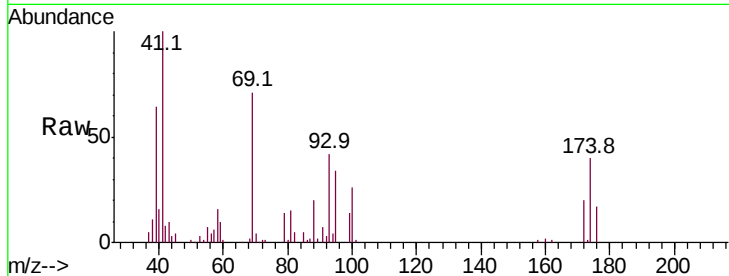




#45
 1,4-Dioxane
 Concen: 290.609 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN064302.D
 Acq: 23 Oct 2020 22:02

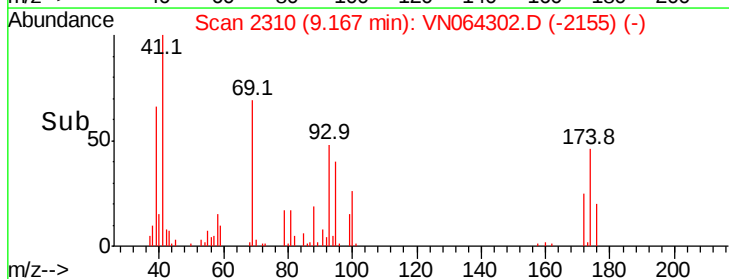
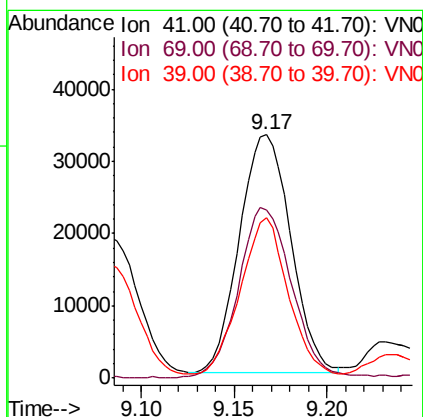
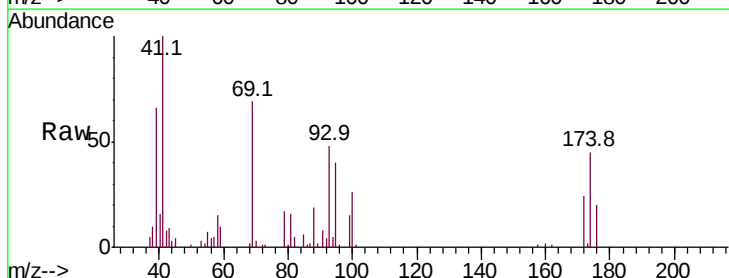
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

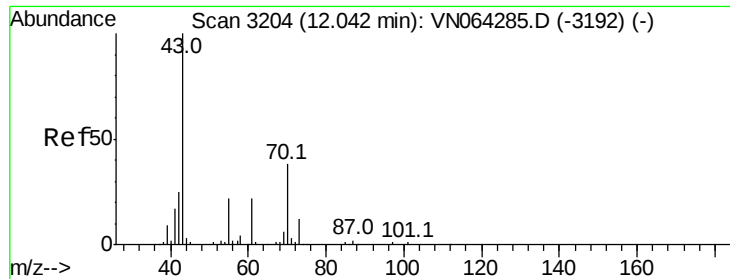
Tot Ion: 88 Resp: 13494
 Ion Ratio Lower Upper
 88 100
 43 42.3 34.7 52.1
 58 80.1 65.8 98.6



#46
 Methyl methacrylate
 Concen: 17.373 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN064302.D
 Acq: 23 Oct 2020 22:02

Tgt Ion: 41 Resp: 63865
 Ion Ratio Lower Upper
 41 100
 69 69.8 32.6 97.7
 39 65.5 31.1 93.3





#47

n-amyl Acetate

Concen: 17.023 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

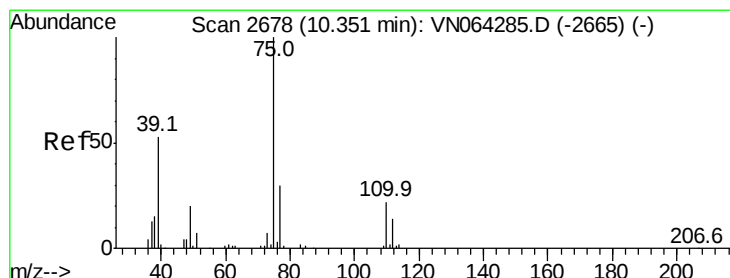
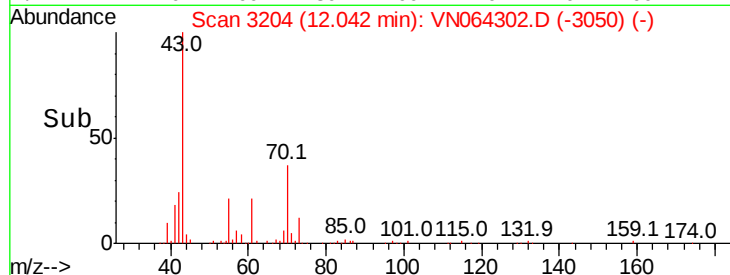
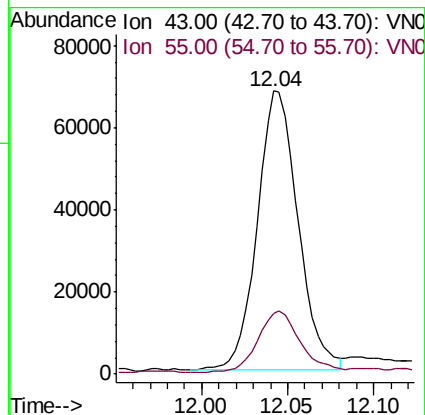
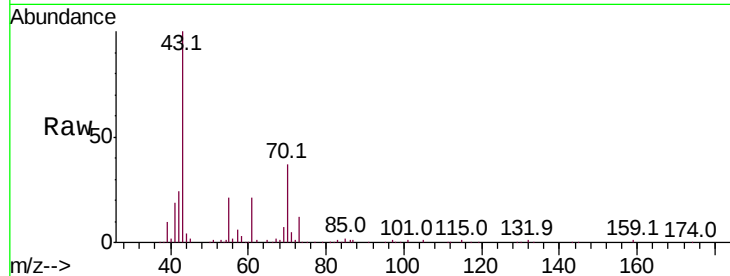
VSTDCCC020EC

Tot Ion: 43 Resp: 111670

Ion Ratio Lower Upper

43 100

55 22.8 18.2 27.2



#48

t-1,3-Dichloropropene

Concen: 17.143 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064302.D

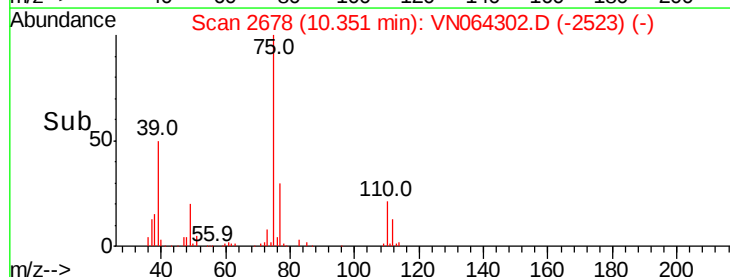
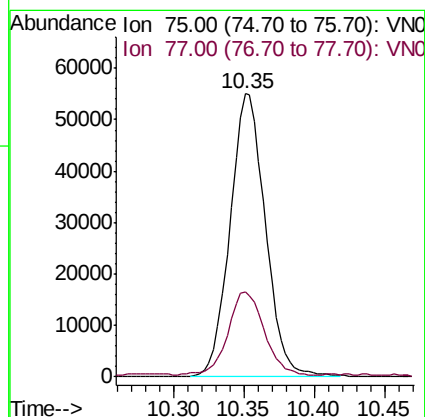
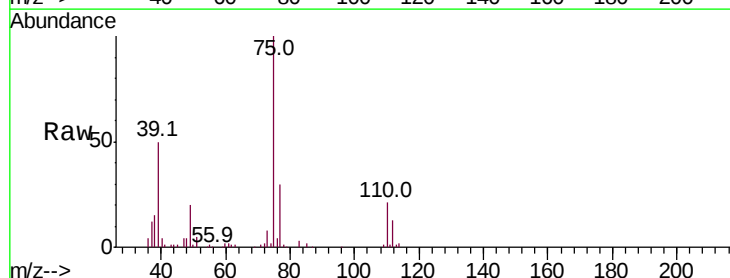
Acq: 23 Oct 2020 22:02

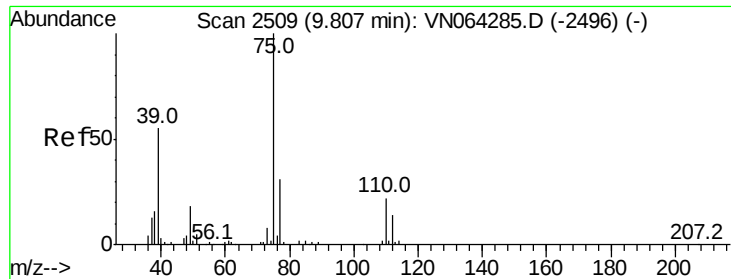
Tgt Ion: 75 Resp: 96724

Ion Ratio Lower Upper

75 100

77 29.4 25.4 38.0

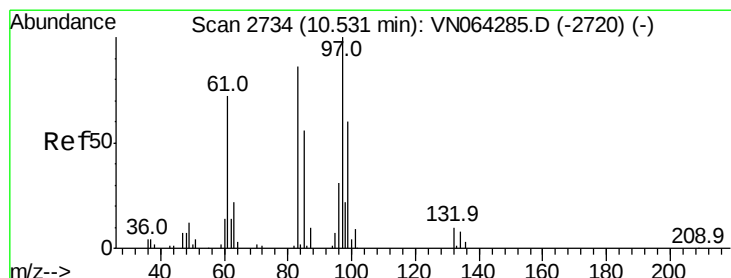
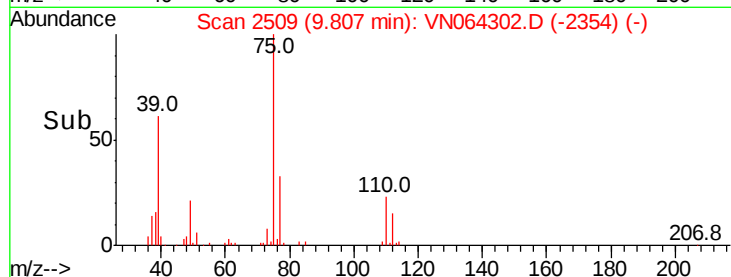
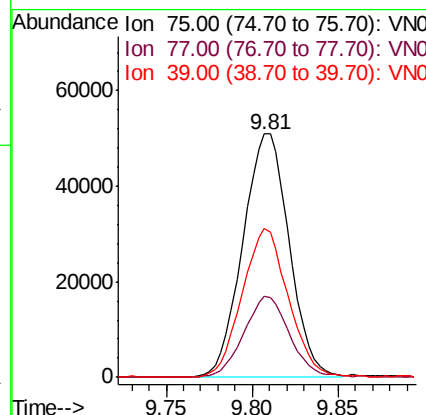
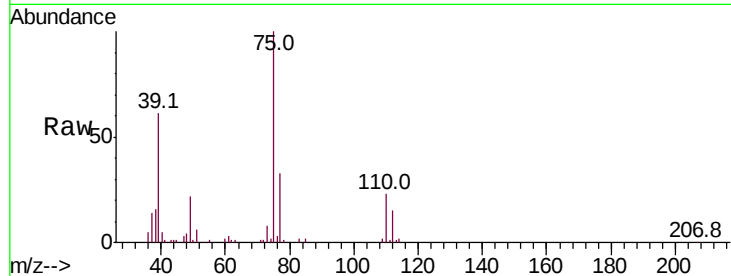




#49
 cis-1,3-Dichloropropene
 Concen: 16.253 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN064302.D
 Acq: 23 Oct 2020 22:02

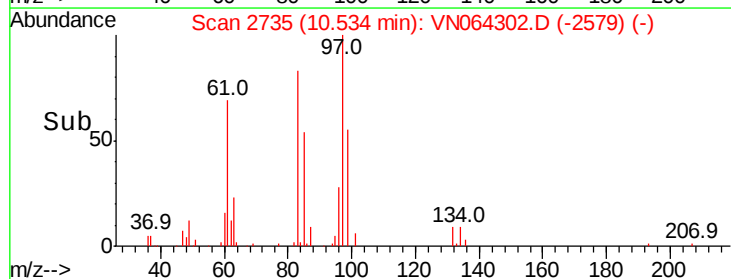
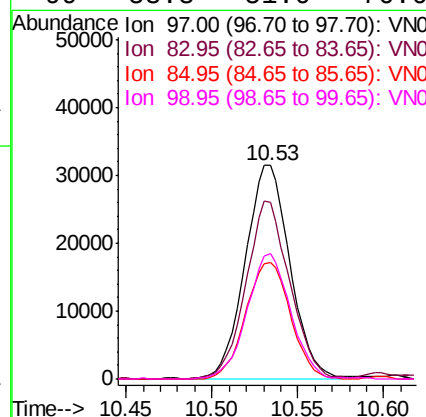
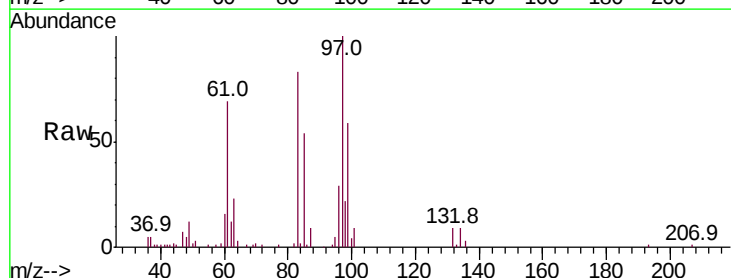
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

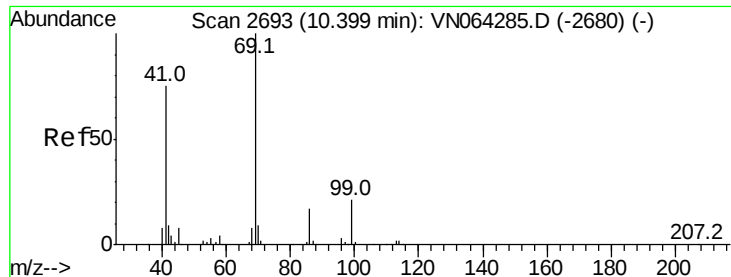
Tot Ion: 75 Resp: 95241
 Ion Ratio Lower Upper
 75 100
 77 33.1 23.7 35.5
 39 61.0 46.9 70.3



#50
 1,1,2-Trichloroethane
 Concen: 18.571 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064302.D
 Acq: 23 Oct 2020 22:02

Tgt Ion: 97 Resp: 57009
 Ion Ratio Lower Upper
 97 100
 83 82.1 68.9 103.3
 85 54.4 37.8 56.8
 99 58.8 51.0 76.6





#51

Ethyl methacrylate

Concen: 16.971 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

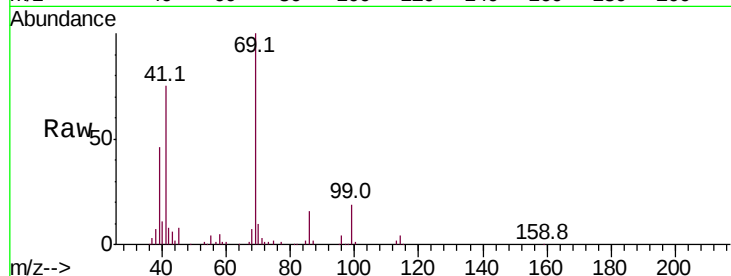
Tot Ion: 69 Resp: 80134

Ion Ratio Lower Upper

69 100

41 74.8 43.6 130.9

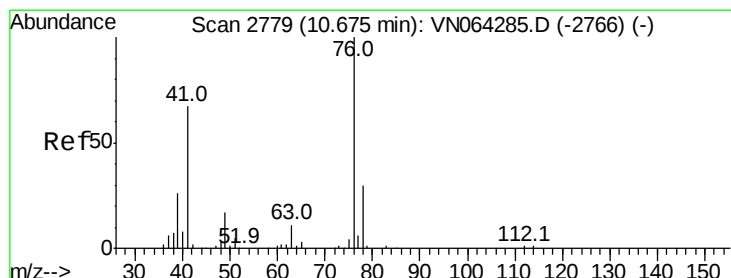
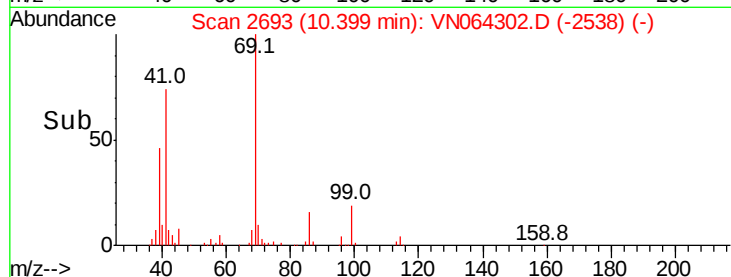
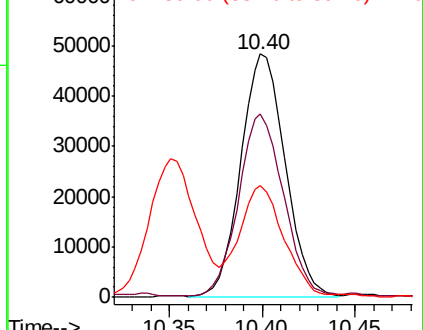
39 44.8 25.8 77.3



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 16.859 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN064302.D

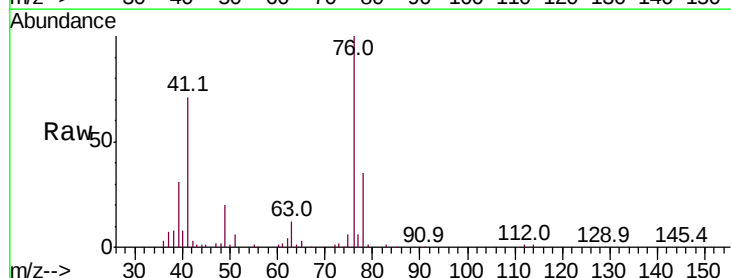
Acq: 23 Oct 2020 22:02

Tgt Ion: 76 Resp: 91515

Ion Ratio Lower Upper

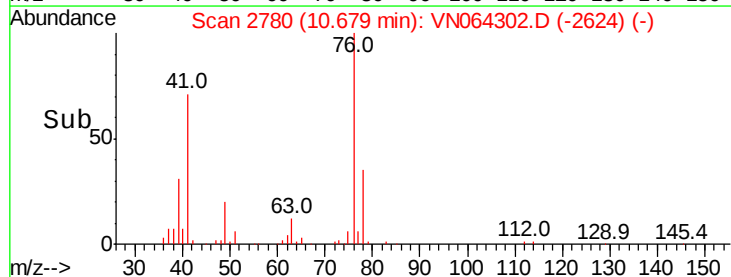
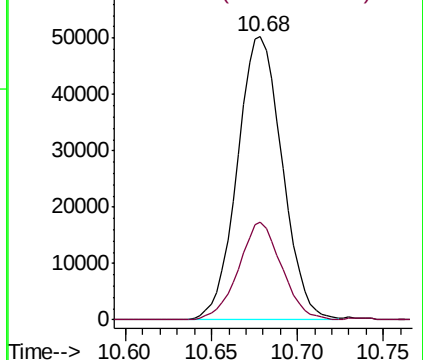
76 100

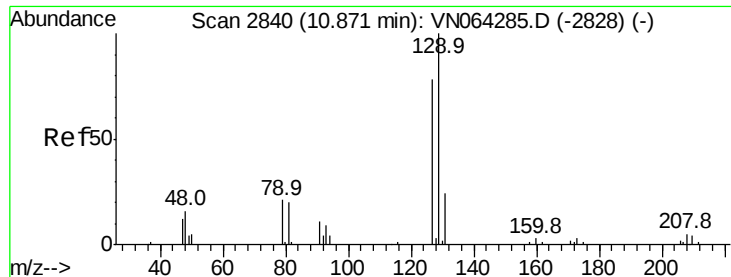
78 33.2 0.0 64.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 16.923 ug/l

RT: 10.87 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

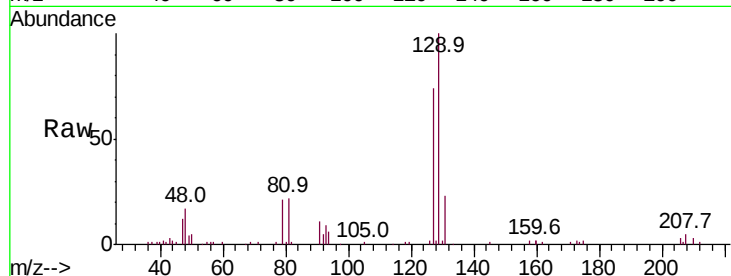
VSTDCCC020EC

Tot Ion:129 Resp: 64904

Ion Ratio Lower Upper

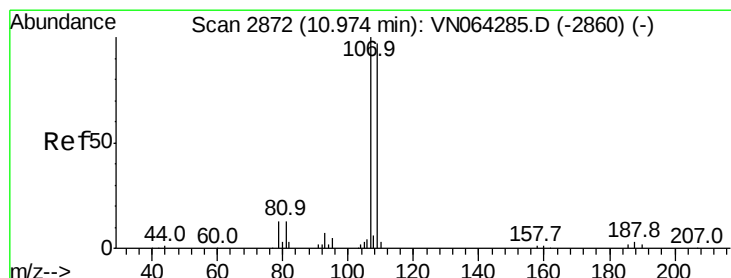
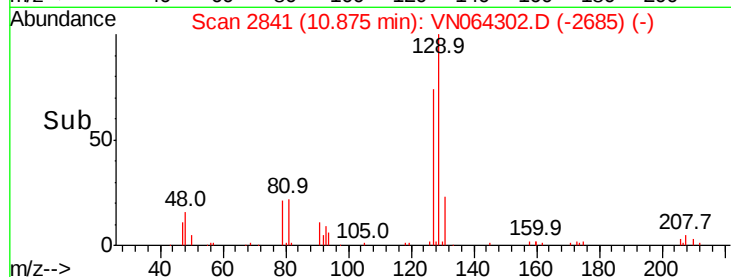
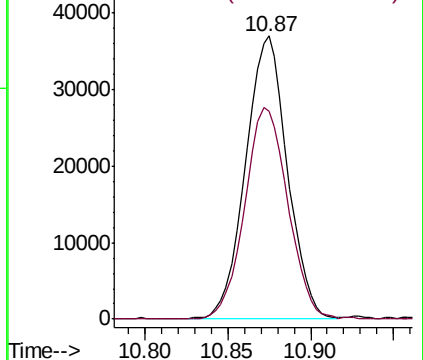
129 100

127 77.0 42.4 127.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 17.273 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. -0.00 min

Lab File: VN064302.D

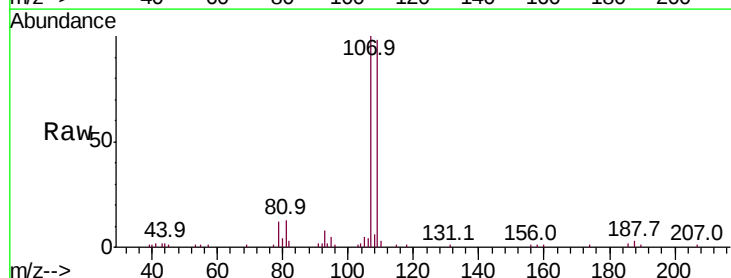
Acq: 23 Oct 2020 22:02

Tgt Ion:107 Resp: 56662

Ion Ratio Lower Upper

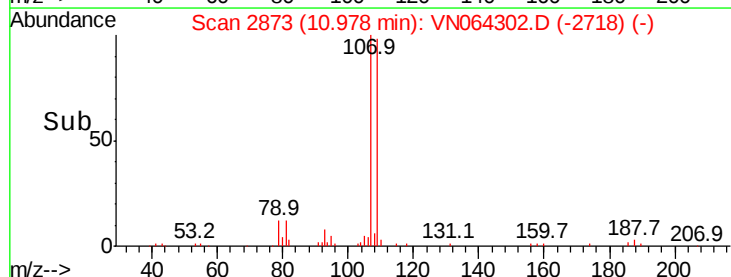
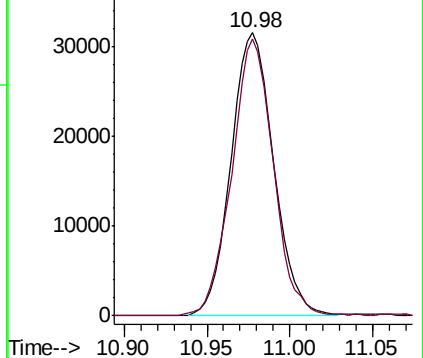
107 100

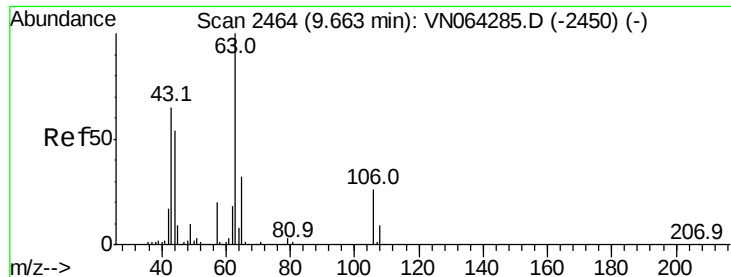
109 95.0 75.7 113.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 90.125 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

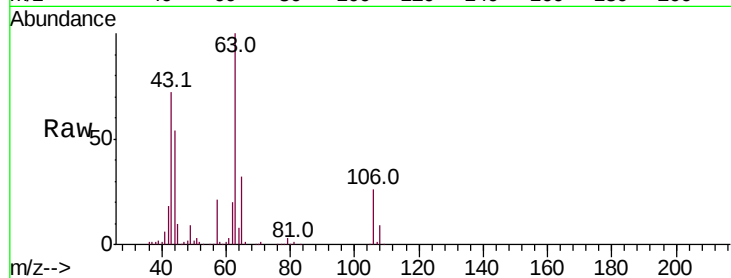
Tot Ion: 63 Resp: 206761

Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.2	37.8
106	25.9	20.6	31.0

63 100

65 32.3 25.2 37.8

106 25.9 20.6 31.0

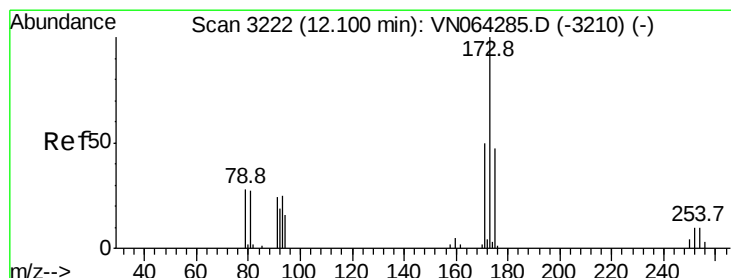
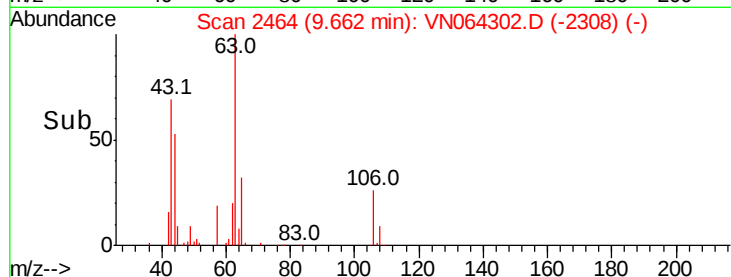
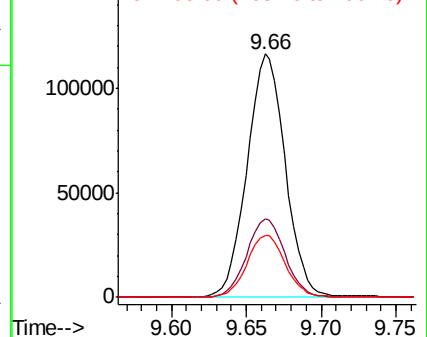


Abundance

Ion 63.00 (62.70 to 63.70): VN064285.D (-2450) (-)

Ion 65.00 (64.70 to 65.70): VN064285.D (-2450) (-)

Ion 106.00 (105.70 to 106.70): VN064285.D (-2450) (-)



#56

Bromoform

Concen: 16.601 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

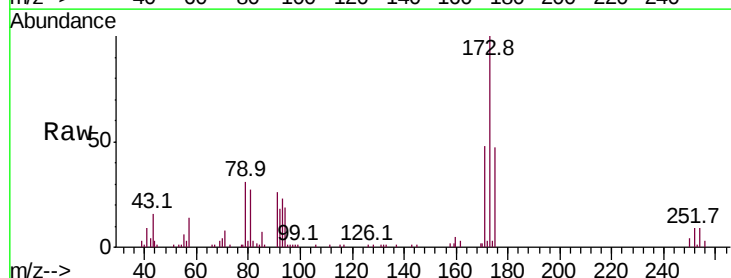
Tgt Ion: 173 Resp: 45017

Ion	Ratio	Lower	Upper
173	100		
175	46.8	39.5	59.3
254	5.4	5.0	7.4

173 100

175 46.8 39.5 59.3

254 5.4 5.0 7.4

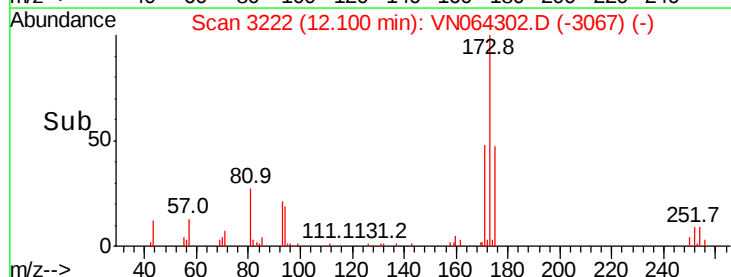
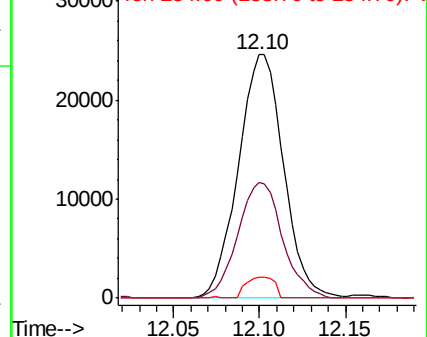


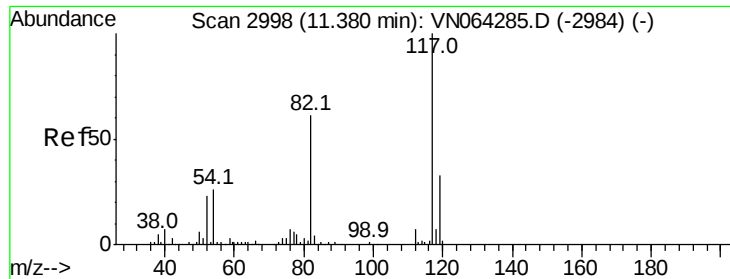
Abundance

Ion 173.00 (172.70 to 173.70): VN064285.D (-3210) (-)

Ion 175.00 (174.70 to 175.70): VN064285.D (-3210) (-)

Ion 254.00 (253.70 to 254.70): VN064285.D (-3210) (-)

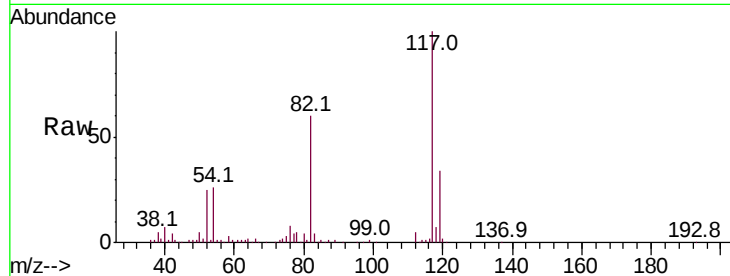




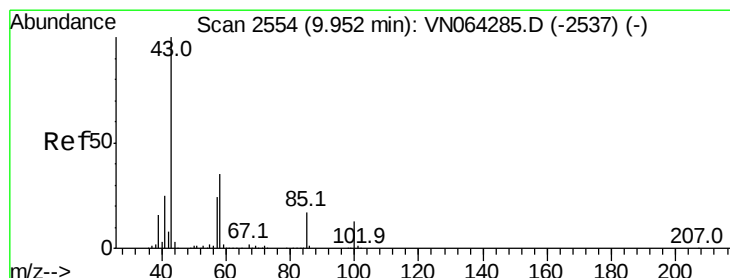
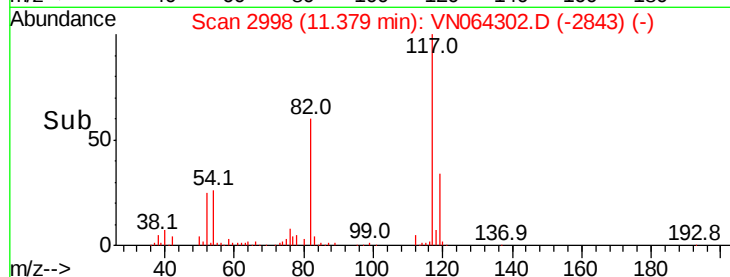
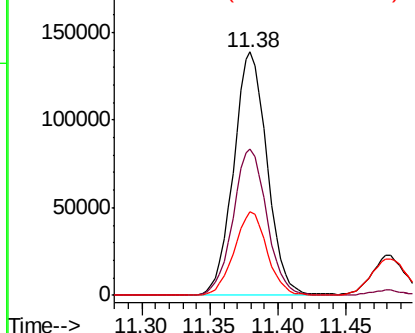
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:117 Resp: 236568
Ion Ratio Lower Upper
117 100
82 60.4 47.0 70.6
119 33.7 24.6 37.0

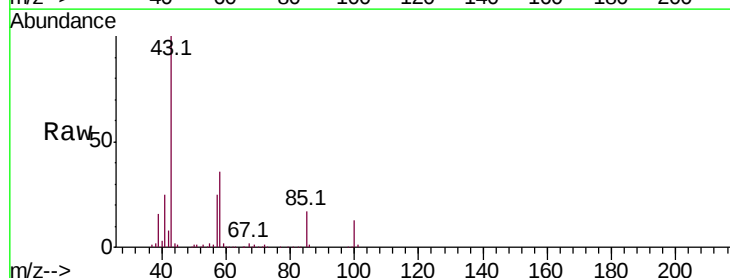


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

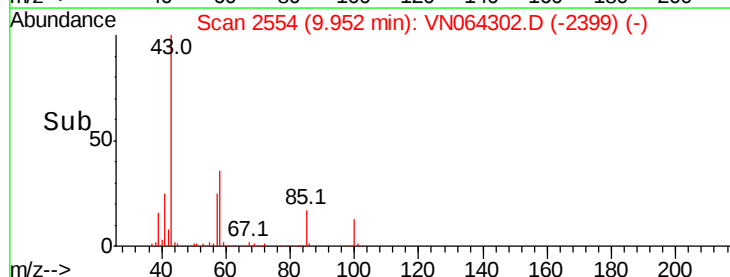
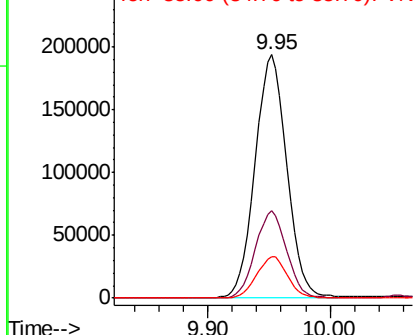


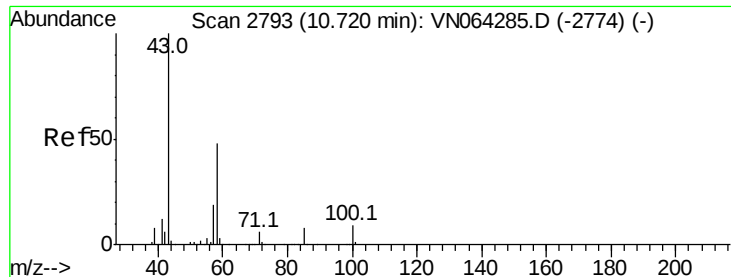
#58
4-Methyl-2-Pentanone
Concen: 85.080 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

Tgt Ion: 43 Resp: 346886
Ion Ratio Lower Upper
43 100
58 35.5 28.6 43.0
85 16.6 13.7 20.5



Abundance Ion 43.00 (42.70 to 43.70): VN
Ion 58.00 (57.70 to 58.70): VN
Ion 85.00 (84.70 to 85.70): VN

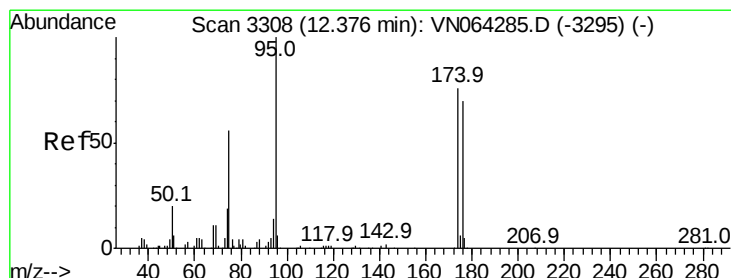
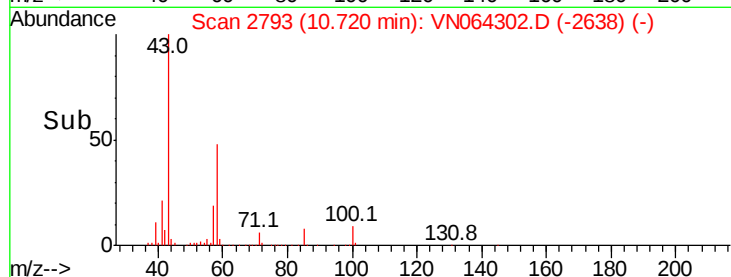
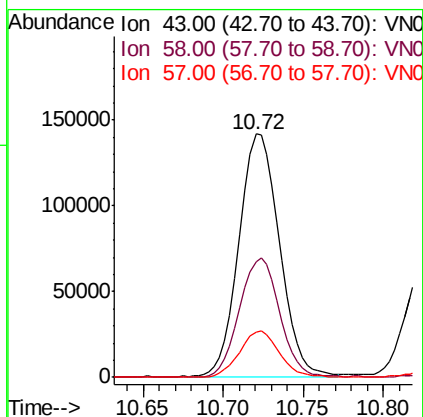
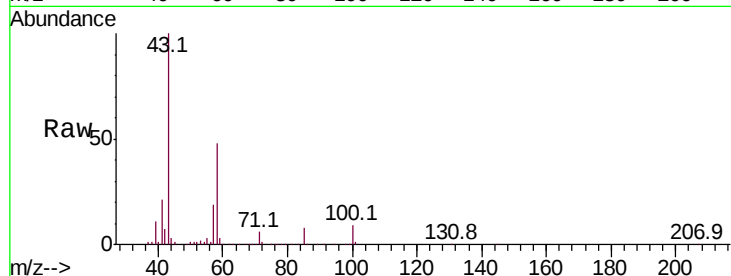




#59
2-Hexanone
Concen: 79.205 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

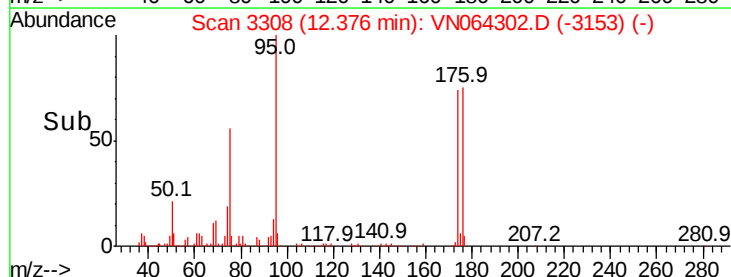
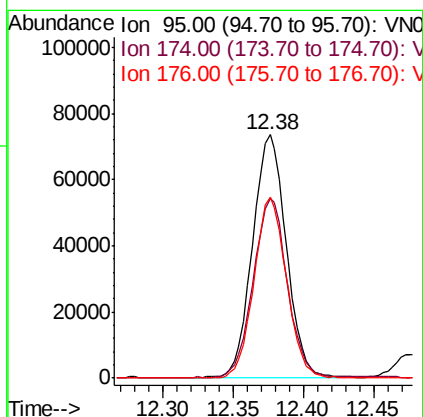
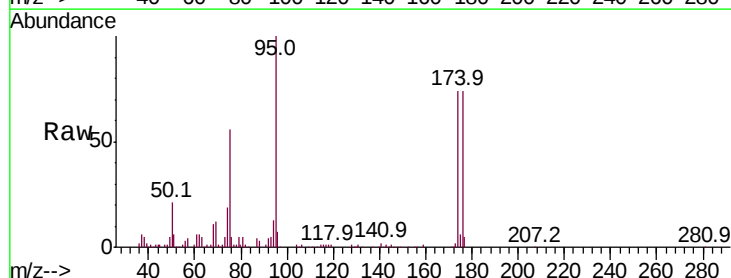
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

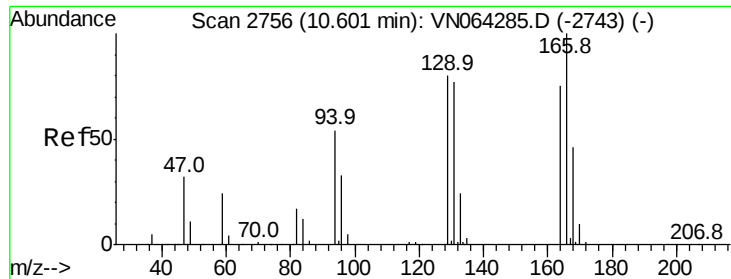
Tot Ion: 43 Resp: 244852
Ion Ratio Lower Upper
43 100
58 49.1 40.5 60.7
57 18.9 15.4 23.0



#60
4-Bromofluorobenzene
Concen: 29.401 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

Tgt Ion: 95 Resp: 123796
Ion Ratio Lower Upper
95 100
174 73.7 57.9 86.9
176 71.3 56.7 85.1

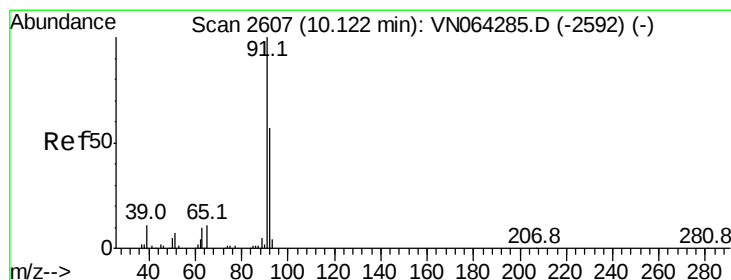
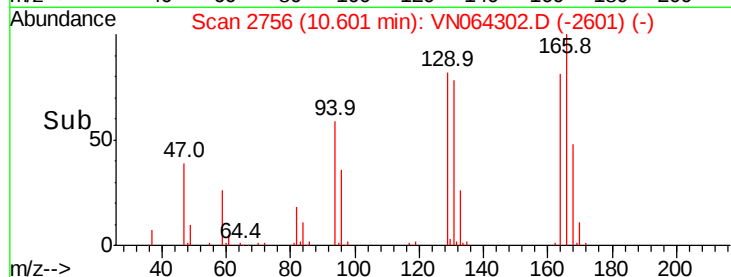
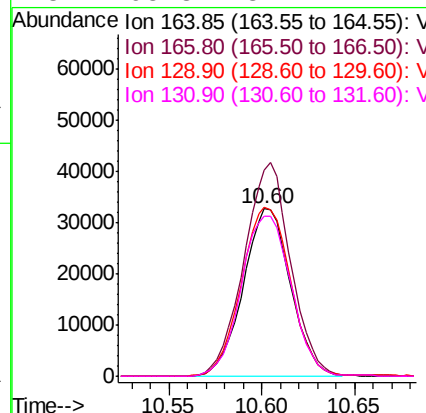
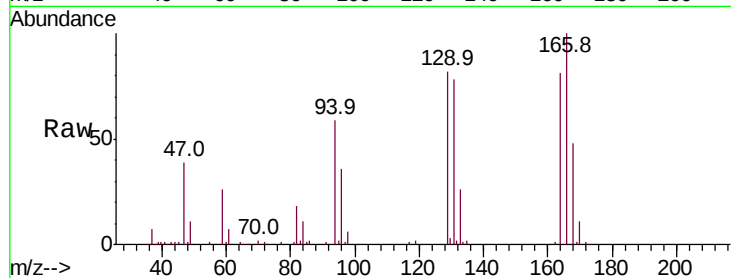




#61
Tetrachloroethene
Concen: 17.461 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

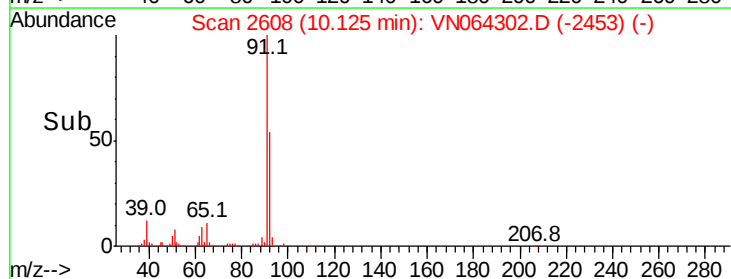
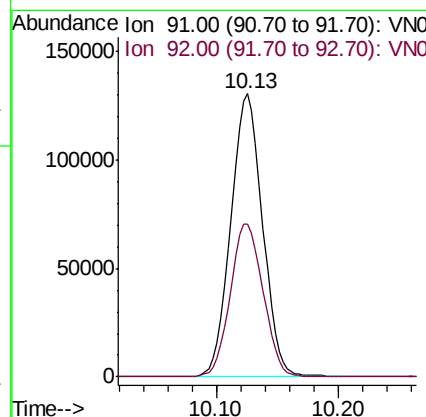
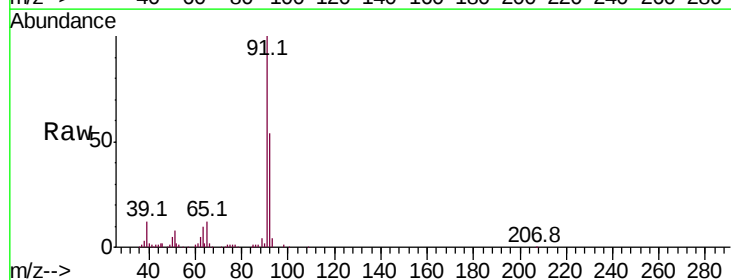
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

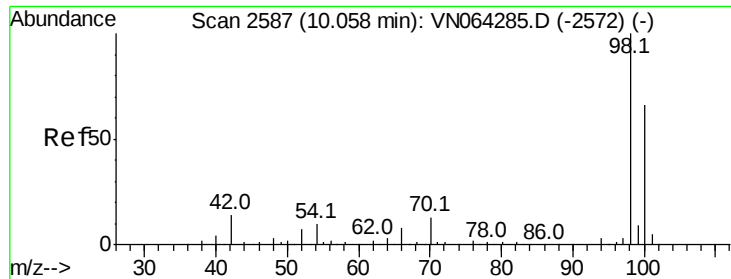
Tot Ion:164 Resp: 57714
Ion Ratio Lower Upper
164 100
166 123.5 107.4 161.0
129 100.4 84.3 126.5
131 95.3 81.1 121.7



#62
Toluene
Concen: 17.446 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. -0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

Tgt Ion: 91 Resp: 237580
Ion Ratio Lower Upper
91 100
92 55.9 46.4 69.6





#63

Toluene-d8

Concen: 29.841 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

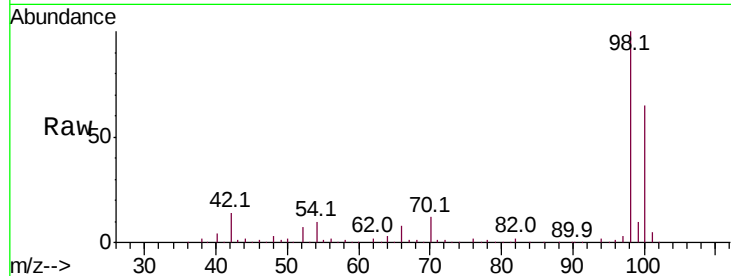
VSTDCCC020EC

Tot Ion: 98 Resp: 315532

Ion Ratio Lower Upper

98 100

100 65.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN064285.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN064285.D (-2572) (-)

10.06

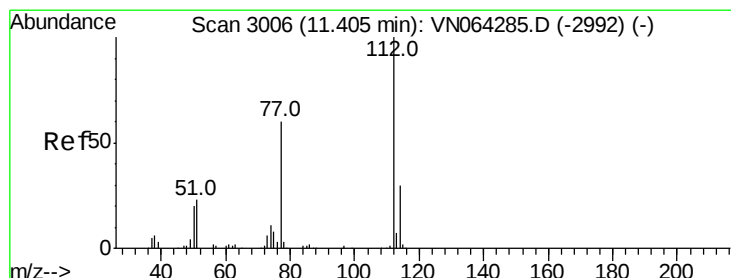
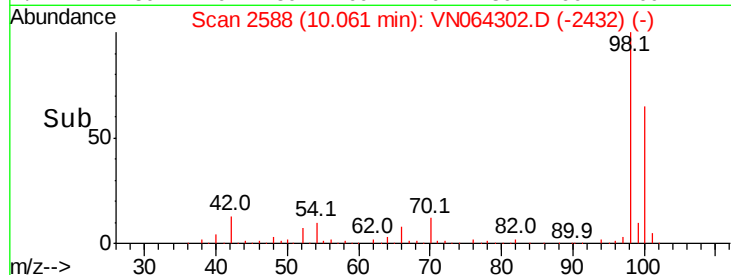
150000

100000

50000

0

Time-->



#64

Chlorobenzene

Concen: 17.056 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VN064302.D

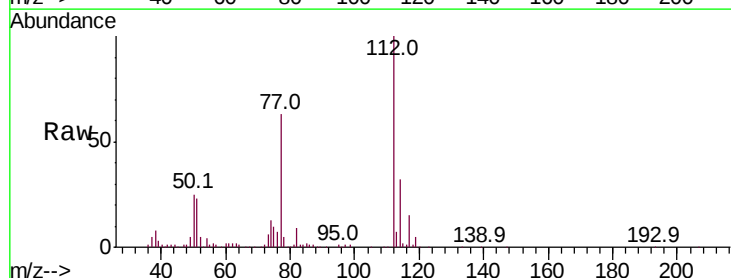
Acq: 23 Oct 2020 22:02

Tgt Ion: 112 Resp: 144085

Ion Ratio Lower Upper

112 100

114 31.8 26.5 39.7



Abundance Ion 112.00 (111.70 to 112.70): VN064285.D (-2992) (-)

Ion 114.00 (113.70 to 114.70): VN064285.D (-2992) (-)

11.41

80000

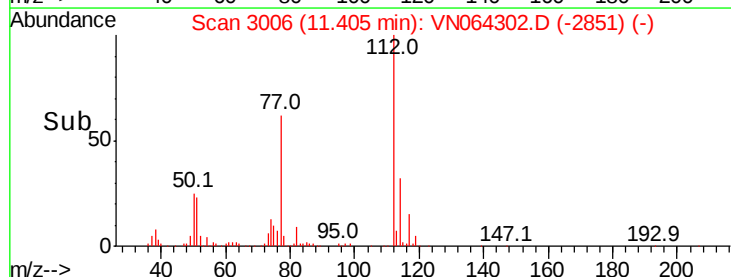
60000

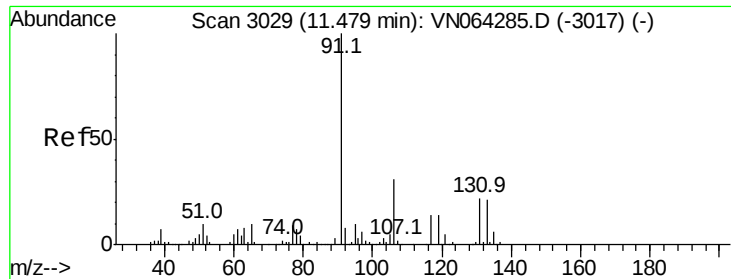
40000

20000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 17.214 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

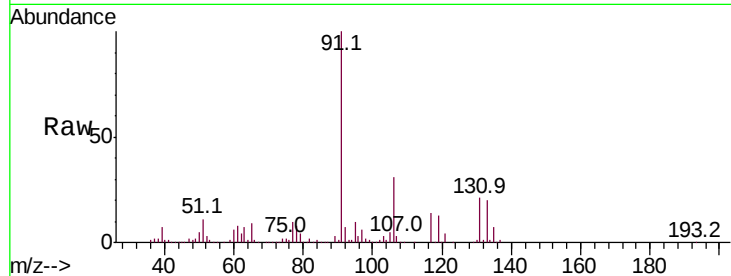
Tot Ion:131 Resp: 58090

Ion Ratio Lower Upper

131 100

133 93.0 0.0 193.4

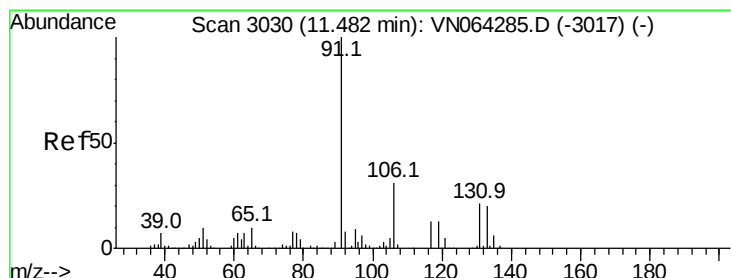
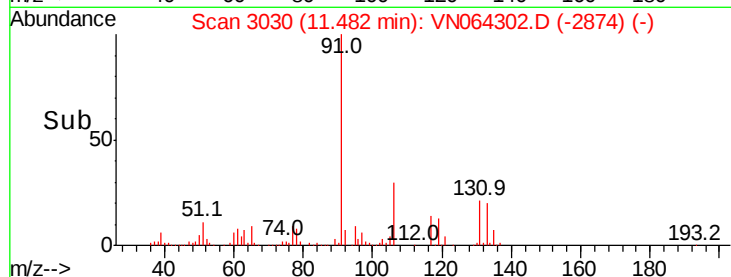
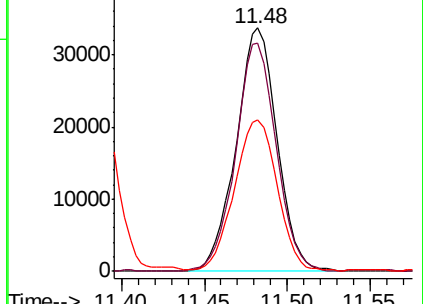
119 65.4 0.0 125.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 17.155 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. -0.00 min

Lab File: VN064302.D

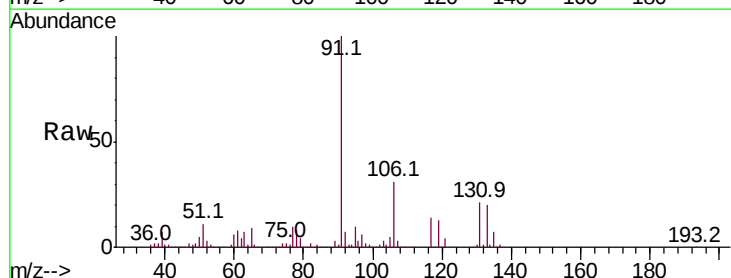
Acq: 23 Oct 2020 22:02

Tgt Ion: 91 Resp: 267847

Ion Ratio Lower Upper

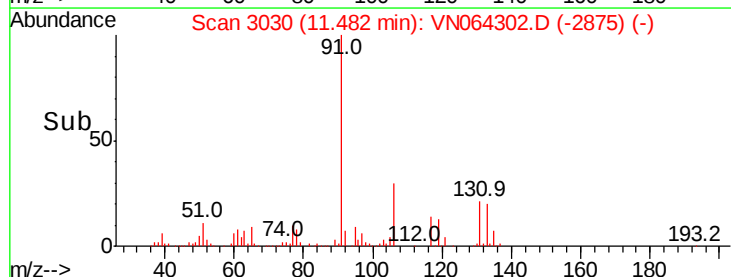
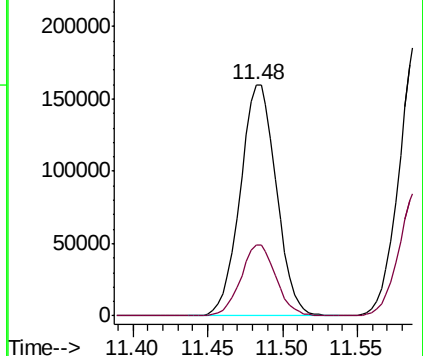
91 100

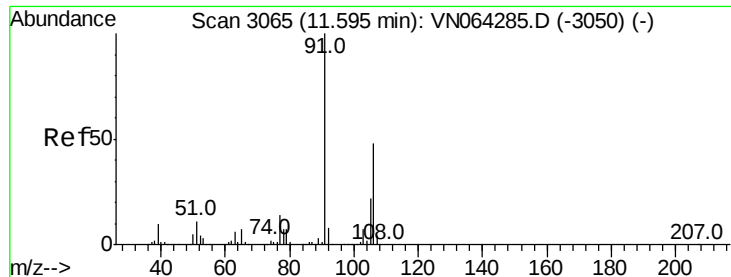
106 30.8 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 33.892 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

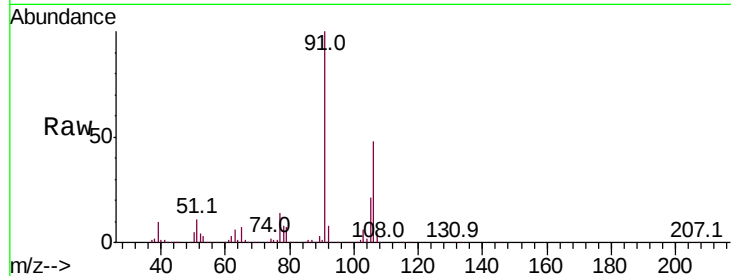
VSTDCCC020EC

Tot Ion:106 Resp: 196235

Ion Ratio Lower Upper

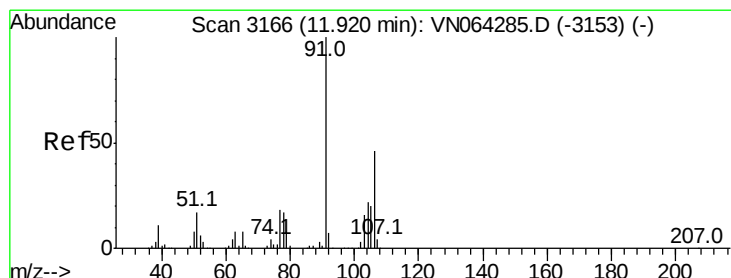
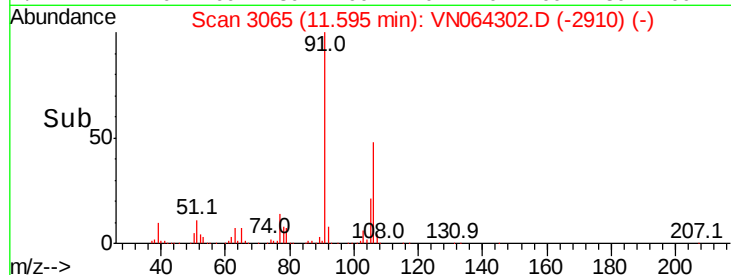
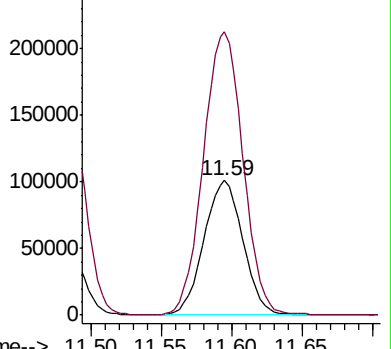
106 100

91 213.0 170.6 255.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 16.572 ug/l

RT: 11.92 min Scan# 3166

Delta R.T. -0.00 min

Lab File: VN064302.D

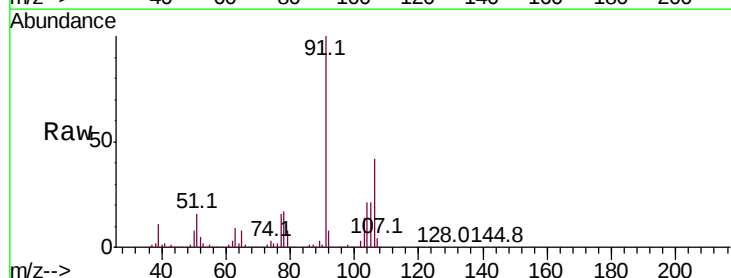
Acq: 23 Oct 2020 22:02

Tgt Ion:106 Resp: 93170

Ion Ratio Lower Upper

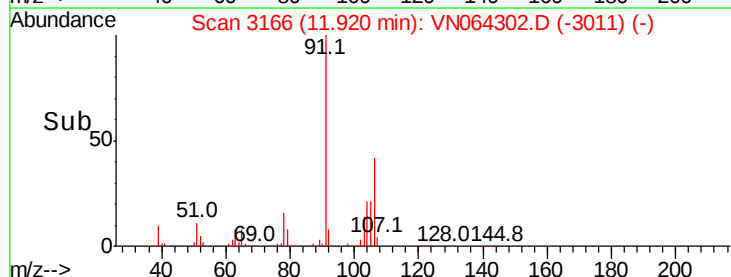
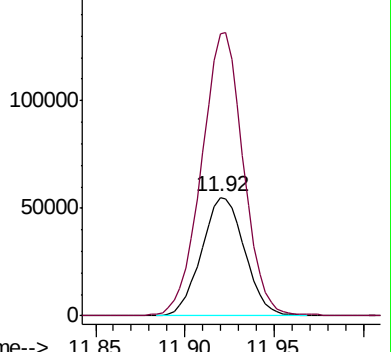
106 100

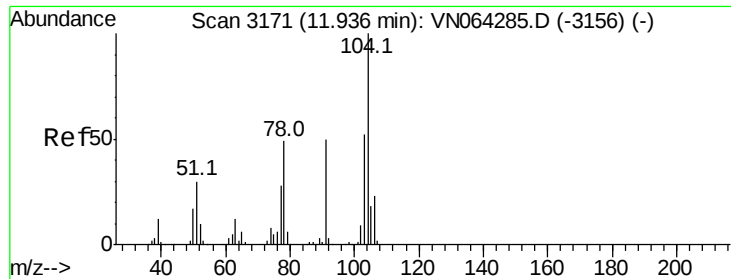
91 229.9 115.3 346.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

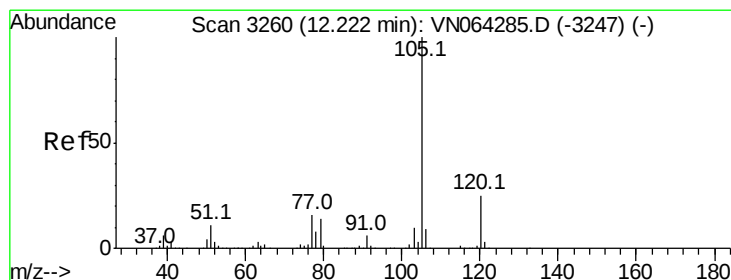
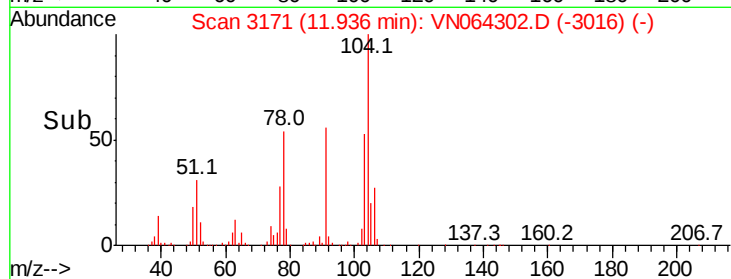
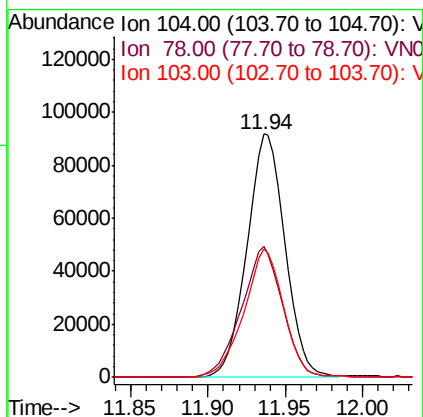
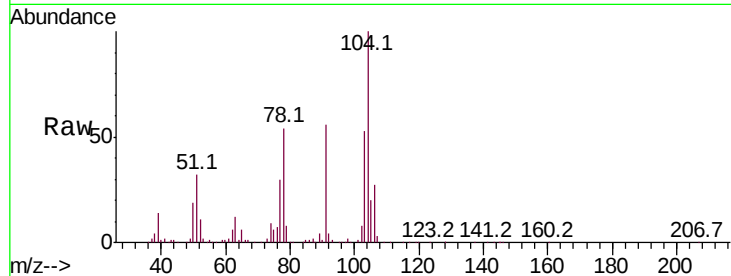




#69
Stvrene
Concen: 16.847 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

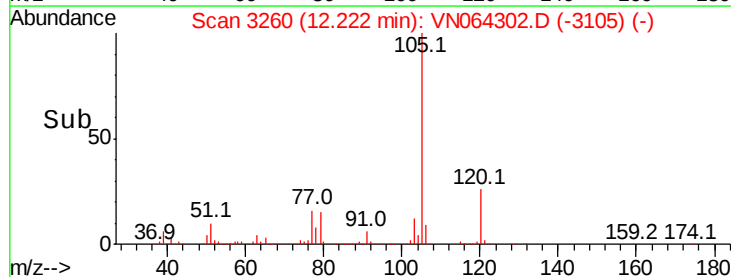
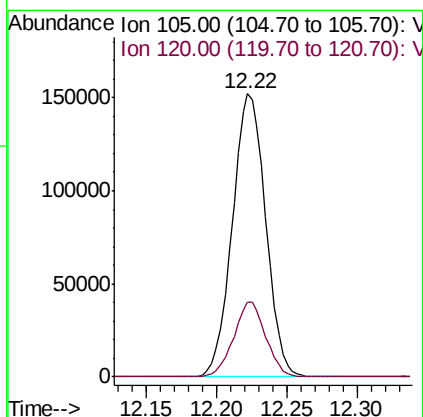
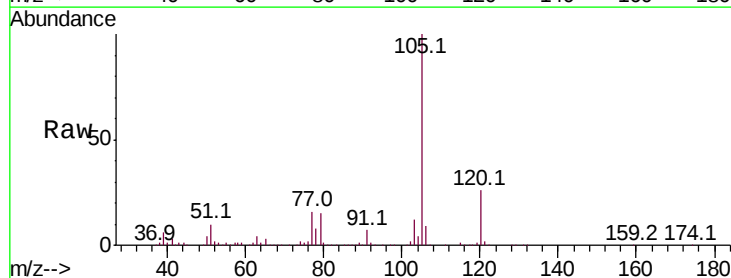
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

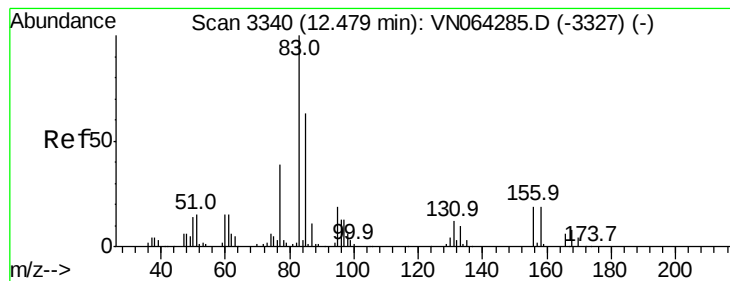
Tot Ion:104 Resp: 157706
Ion Ratio Lower Upper
104 100
78 56.6 45.4 68.2
103 54.9 44.6 67.0



#70
Isopropylbenzene
Concen: 16.935 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

Tgt Ion:105 Resp: 251723
Ion Ratio Lower Upper
105 100
120 25.6 18.6 34.5





#71

1,1,2,2-Tetrachloroethane

Concen: 16.558 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

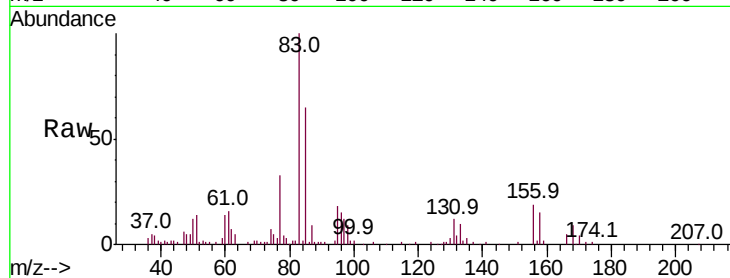
Tot Ion: 83 Resp: 66017

Ion Ratio Lower Upper

83 100

131 12.6 5.7 17.0

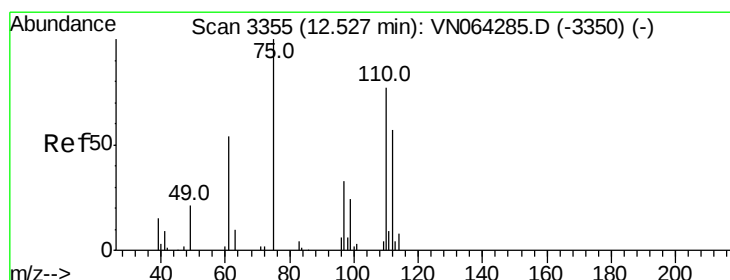
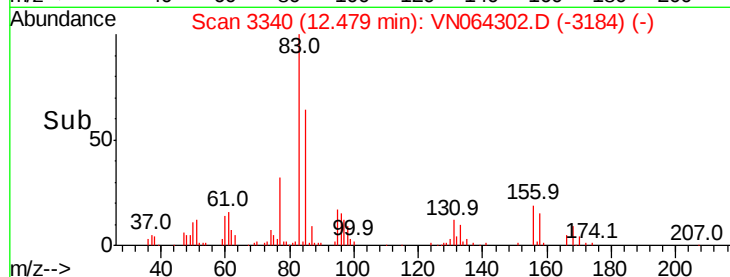
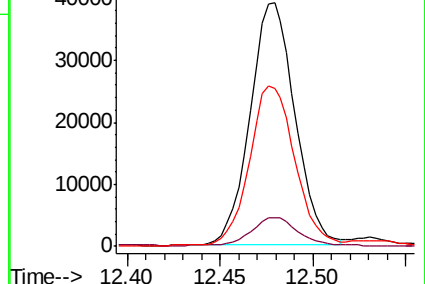
85 66.3 33.3 99.8



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 24.663 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN064302.D

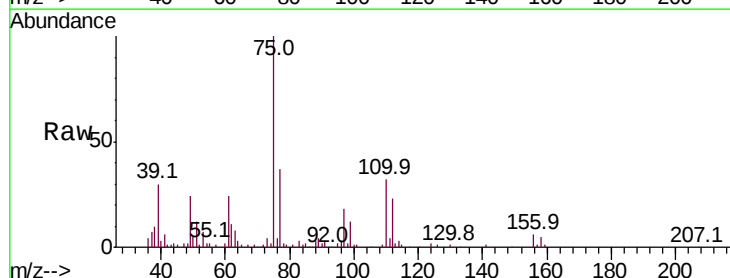
Acq: 23 Oct 2020 22:02

Tgt Ion: 75 Resp: 102110

Ion Ratio Lower Upper

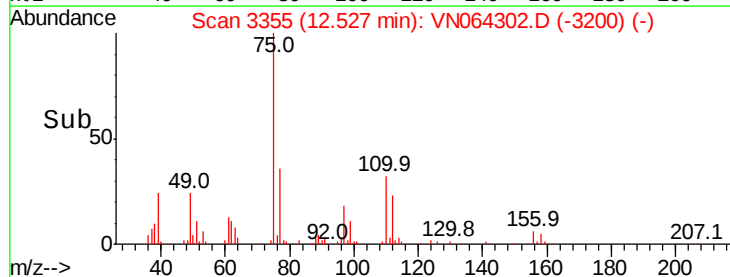
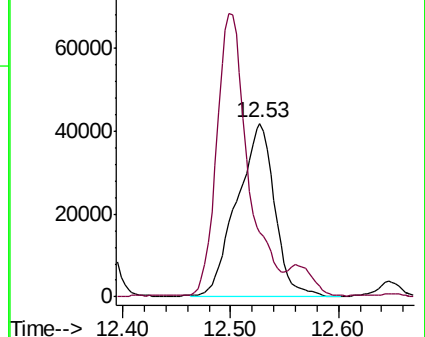
75 100

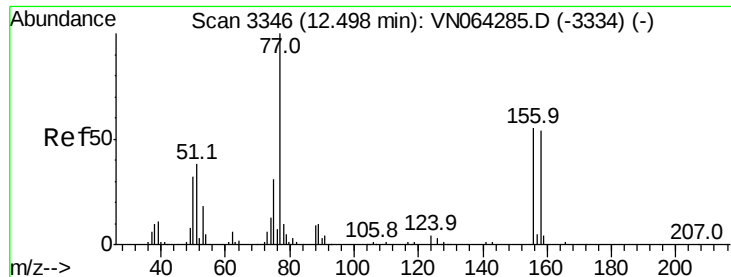
77 134.5 0.0 365.2



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 17.749 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

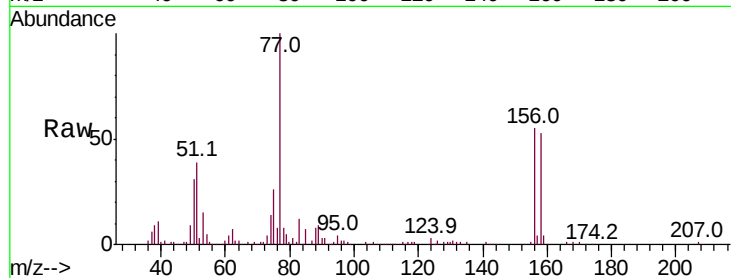
Tot Ion:156 Resp: 64177

Ion Ratio Lower Upper

156 100

77 214.0 0.0 450.2

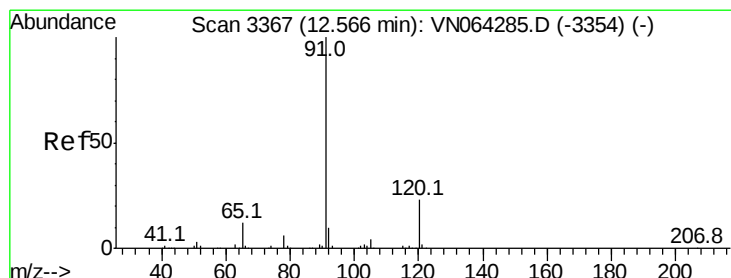
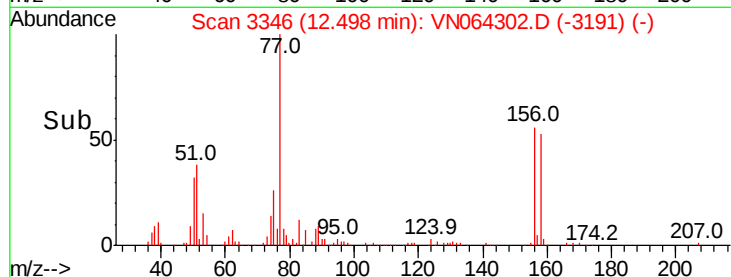
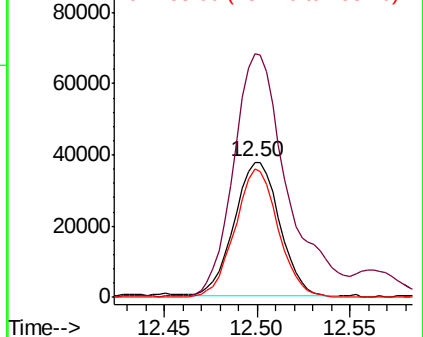
158 91.4 0.0 194.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 16.593 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN064302.D

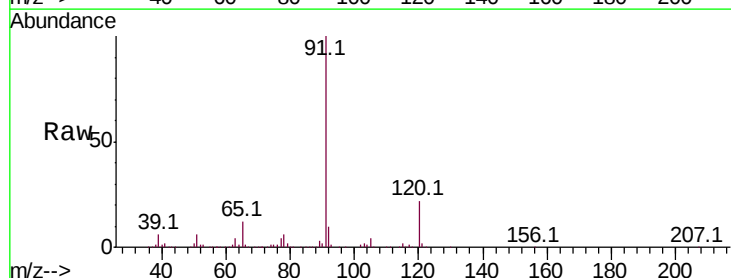
Acq: 23 Oct 2020 22:02

Tgt Ion: 91 Resp: 282991

Ion Ratio Lower Upper

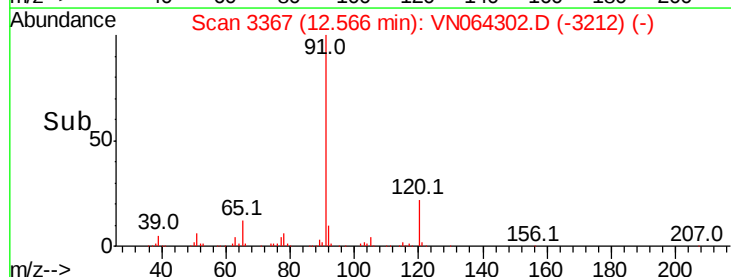
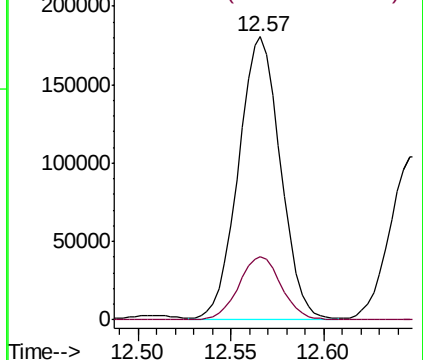
91 100

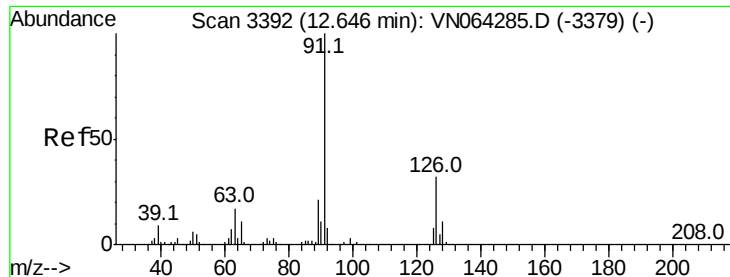
120 22.7 0.0 43.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 17.115 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

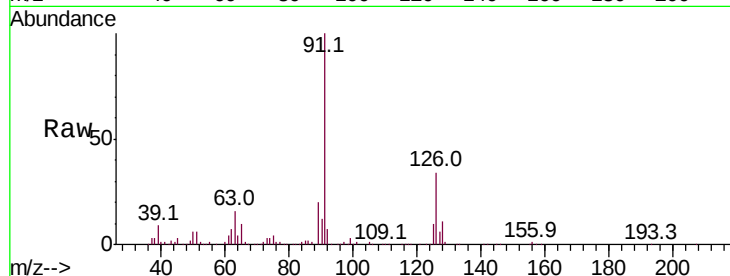
VSTDCCC020EC

Tot Ion: 91 Resp: 180240

Ion Ratio Lower Upper

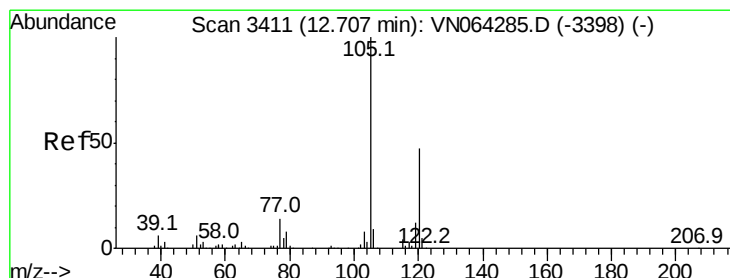
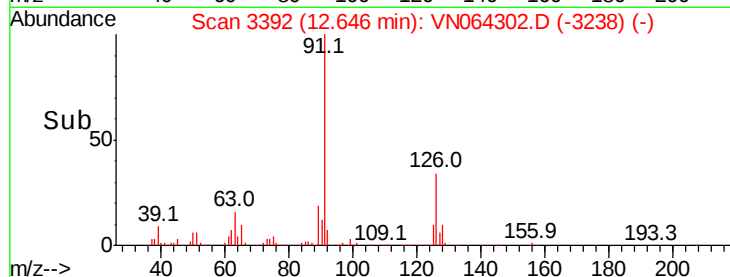
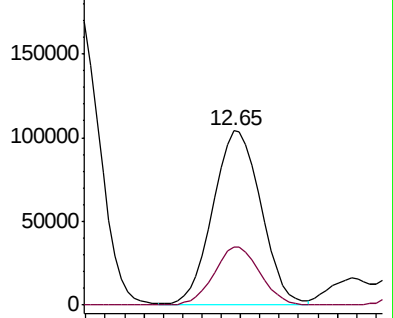
91 100

126 31.9 0.0 62.8



Abundance Ion 91.00 (90.70 to 91.70): VN064302.D (-3238) (-)

Ion 126.00 (125.70 to 126.70): VN064302.D (-3238) (-)



#76

1,3,5-Trimethylbenzene

Concen: 16.826 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064302.D

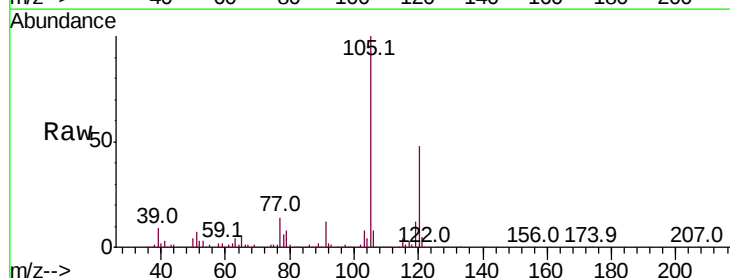
Acq: 23 Oct 2020 22:02

Tgt Ion: 105 Resp: 211976

Ion Ratio Lower Upper

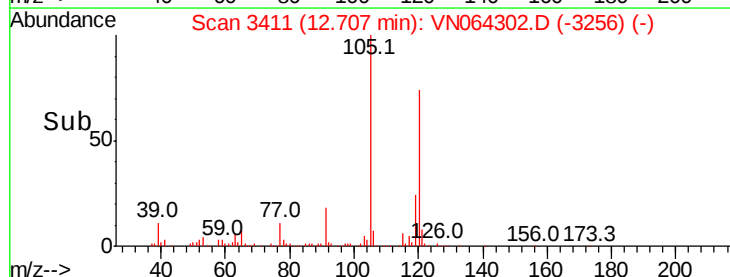
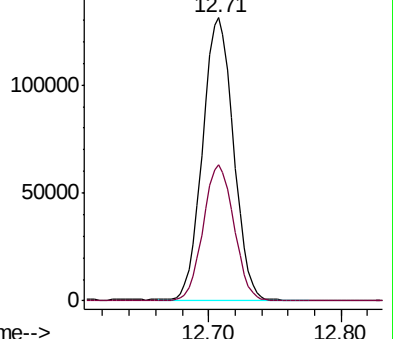
105 100

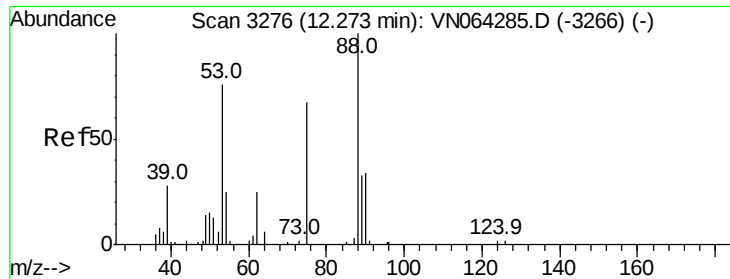
120 48.0 0.0 92.8



Abundance Ion 105.00 (104.70 to 105.70): VN064302.D (-3256) (-)

Ion 120.00 (119.70 to 120.70): VN064302.D (-3256) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 15.061 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

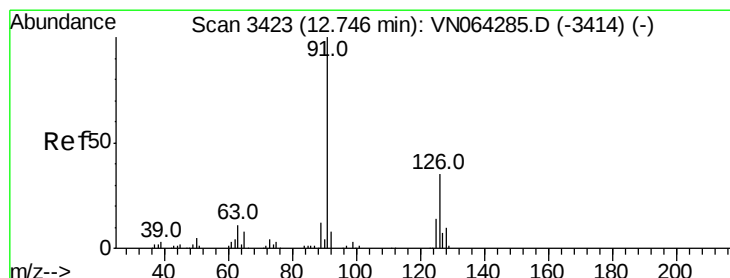
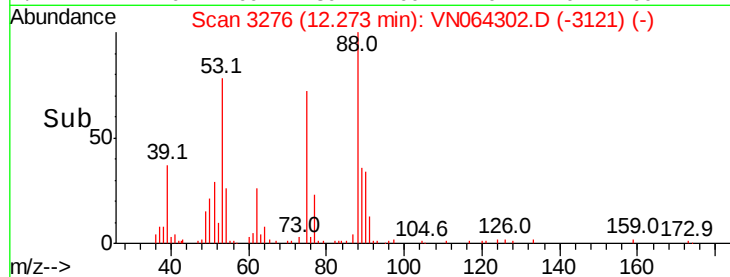
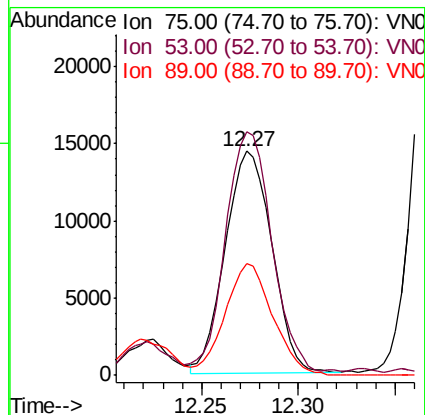
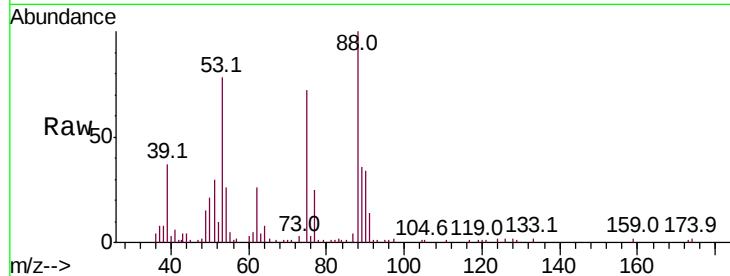
Tot Ion: 75 Resp: 24113

Ion Ratio Lower Upper

75 100

53 108.3 44.8 134.3

89 50.7 22.2 66.6



#78

4-Chlorotoluene

Concen: 16.678 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN064302.D

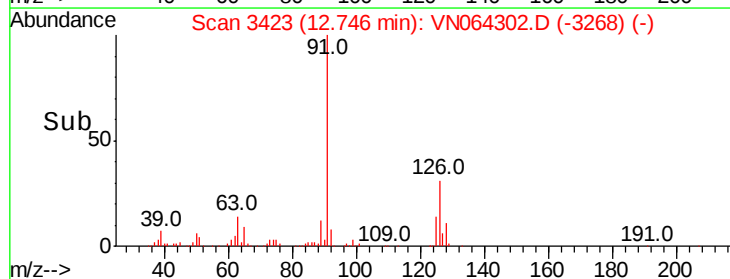
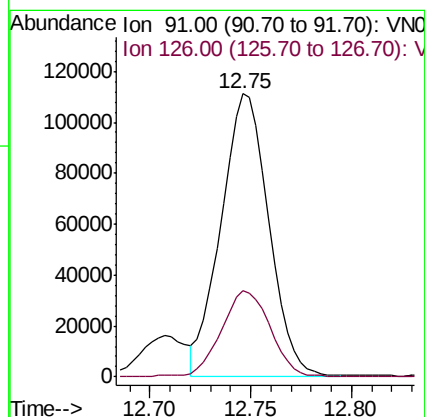
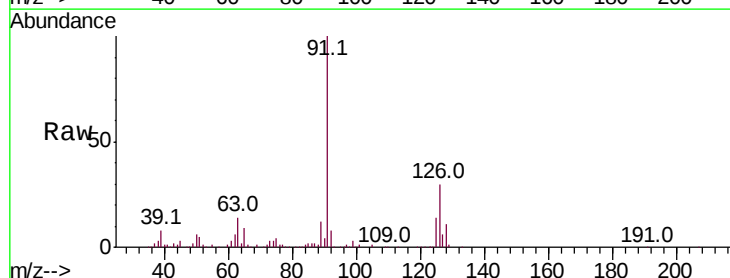
Acq: 23 Oct 2020 22:02

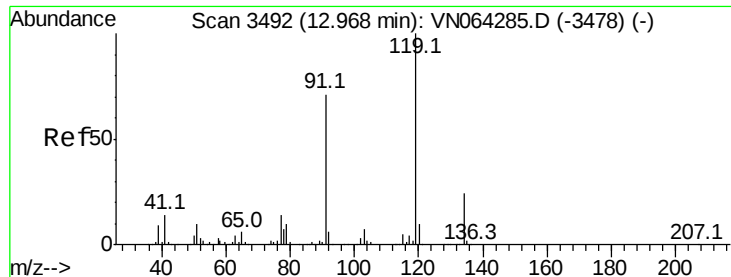
Tgt Ion: 91 Resp: 183114

Ion Ratio Lower Upper

91 100

126 31.3 0.0 62.2





#79

tert-butylbenzene

Concen: 16.605 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

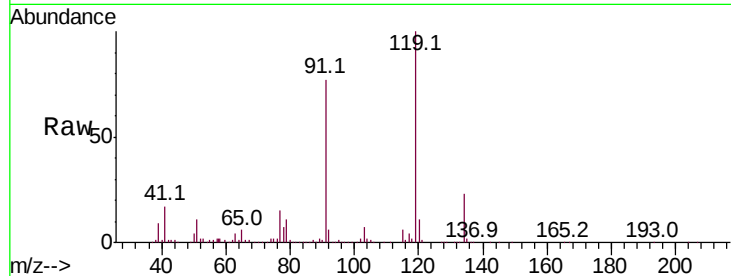
Tot Ion:119 Resp: 170966

Ion Ratio Lower Upper

119 100

91 75.6 0.0 140.0

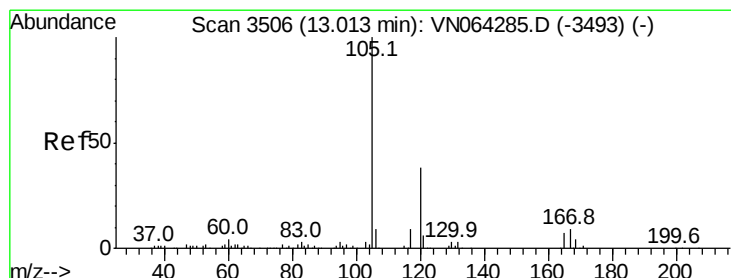
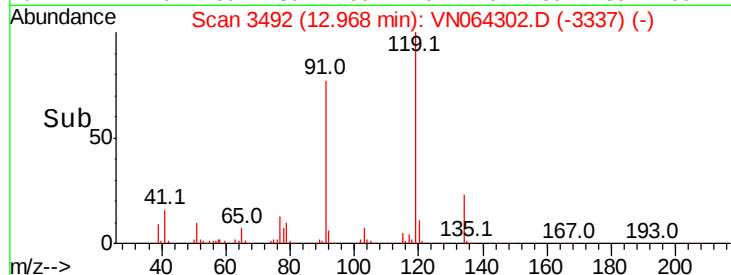
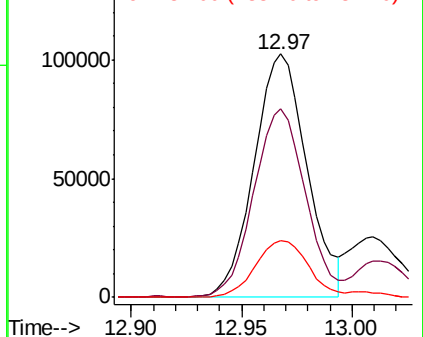
134 23.1 0.0 45.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 17.187 ug/l

RT: 13.01 min Scan# 3506

Delta R.T. -0.00 min

Lab File: VN064302.D

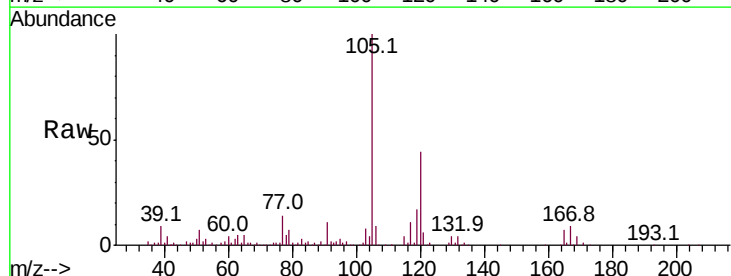
Acq: 23 Oct 2020 22:02

Tgt Ion:105 Resp: 219750

Ion Ratio Lower Upper

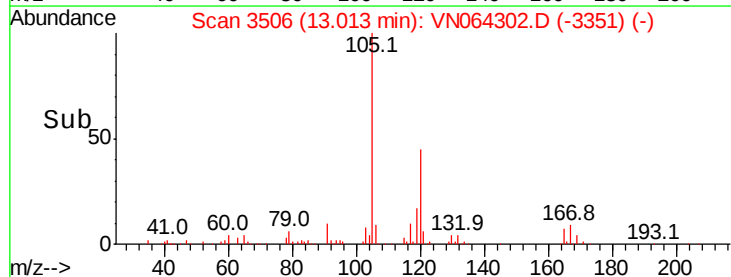
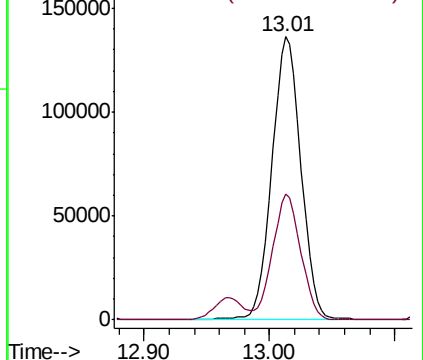
105 100

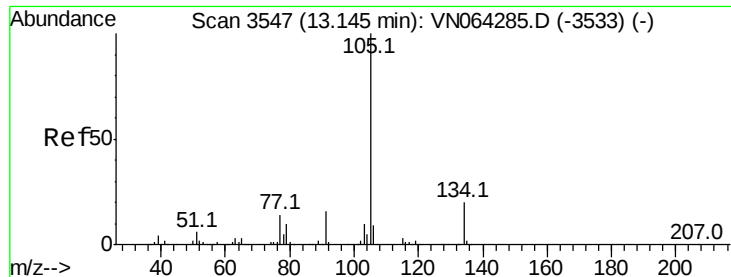
120 43.2 0.0 87.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

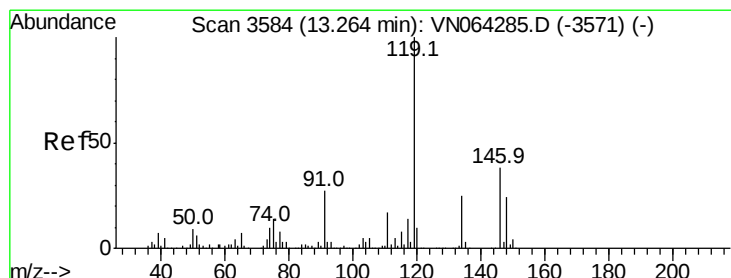
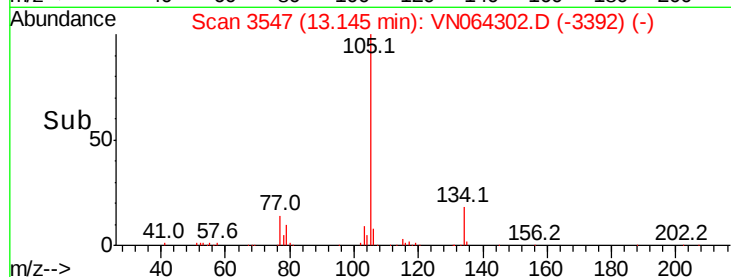
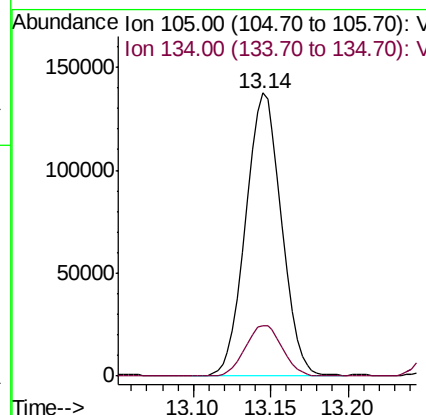
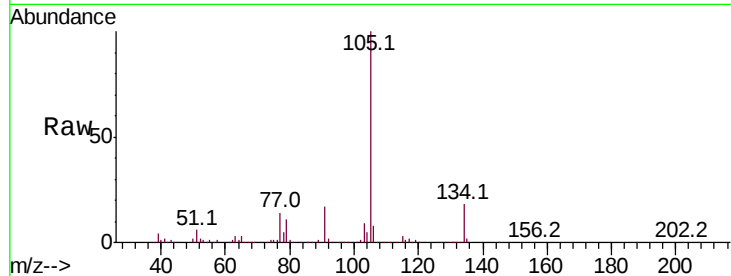




#81
 sec-Butylbenzene
 Concen: 16.507 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064302.D
 Acq: 23 Oct 2020 22:02

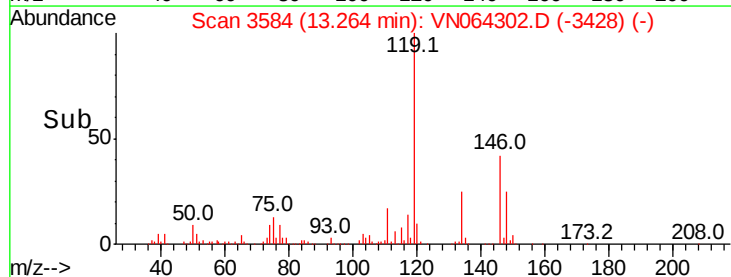
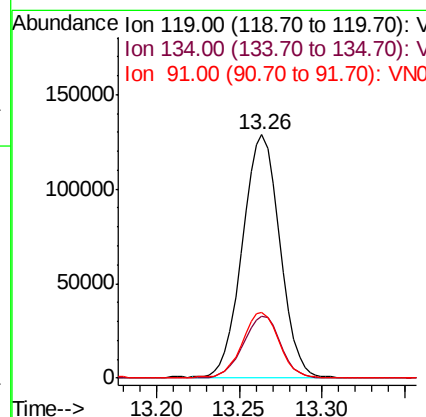
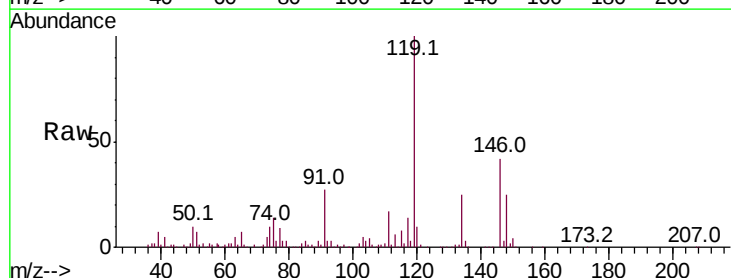
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

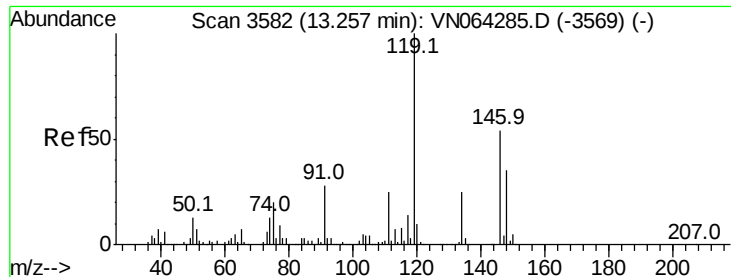
Tot Ion:105 Resp: 220626
 Ion Ratio Lower Upper
 105 100
 134 18.7 0.0 36.8



#82
 p-Isopropyltoluene
 Concen: 16.407 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064302.D
 Acq: 23 Oct 2020 22:02

Tgt Ion:119 Resp: 201232
 Ion Ratio Lower Upper
 119 100
 134 25.6 0.0 47.8
 91 26.5 0.0 55.8





#83

1,3-Dichlorobenzene

Concen: 16.599 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

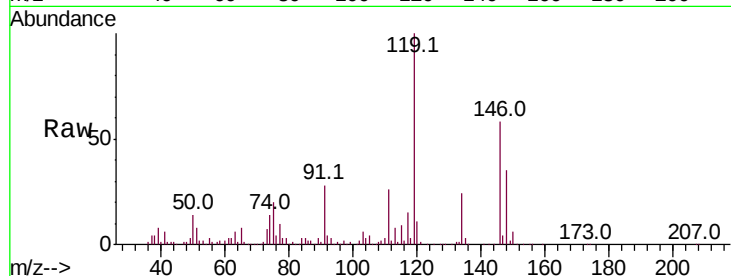
Tot Ion:146 Resp: 105859

Ion Ratio Lower Upper

146 100

111 45.2 22.1 66.5

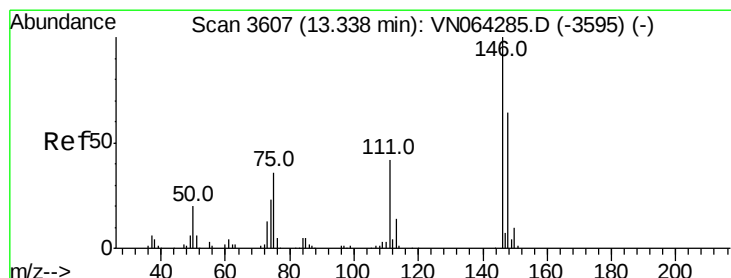
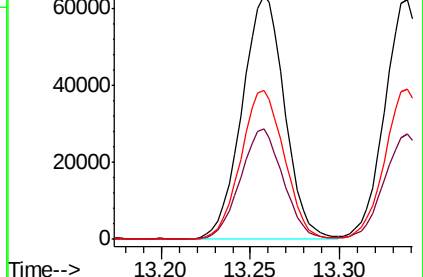
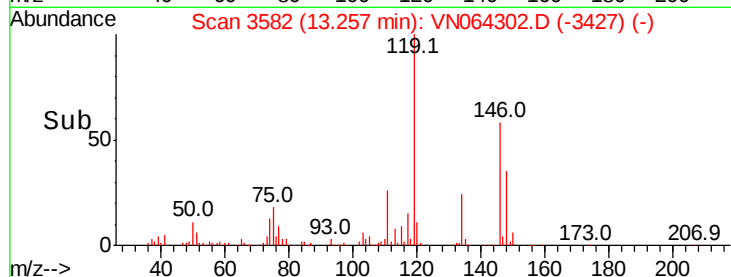
148 62.2 31.9 95.5



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



#84

1,4-Dichlorobenzene

Concen: 15.573 ug/l

RT: 13.34 min Scan# 3607

Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

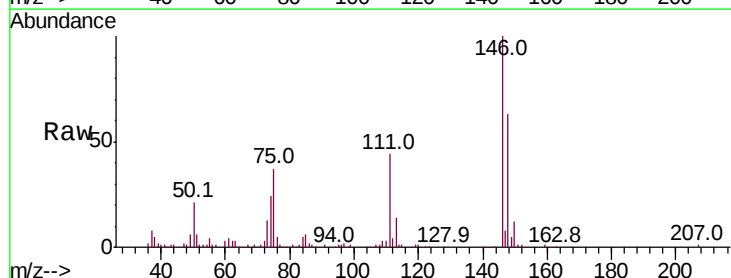
Tgt Ion:146 Resp: 101132

Ion Ratio Lower Upper

146 100

111 45.4 20.3 61.0

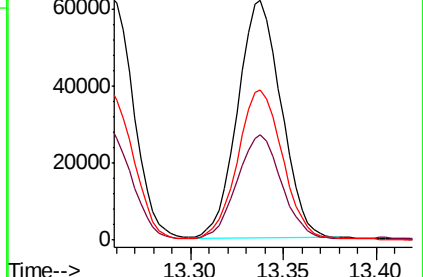
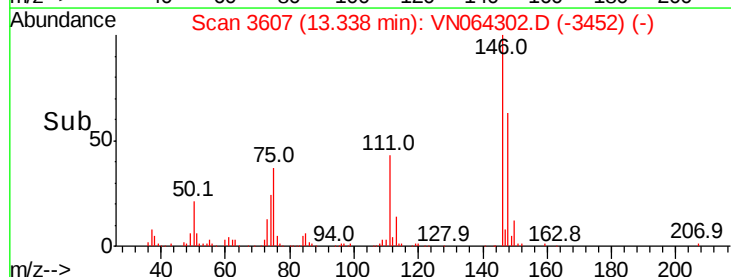
148 65.8 31.4 94.3

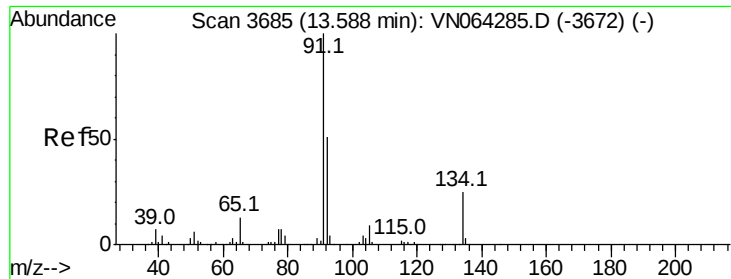


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

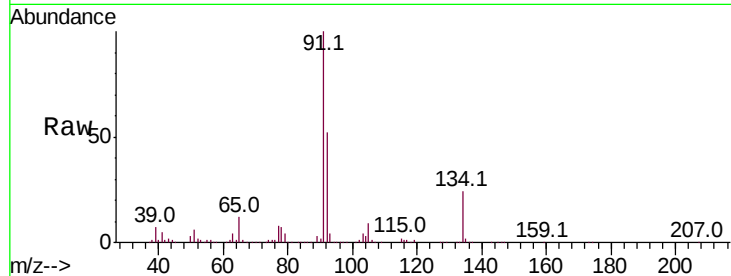




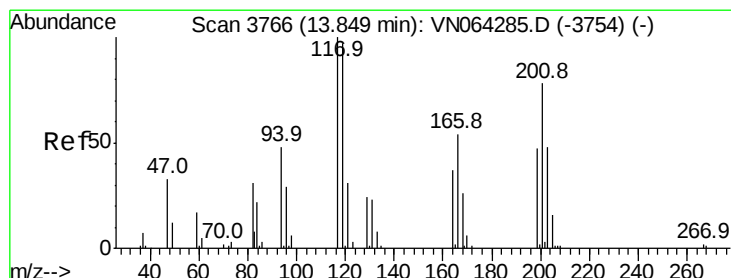
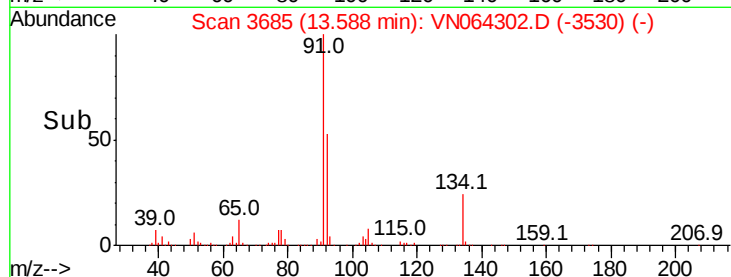
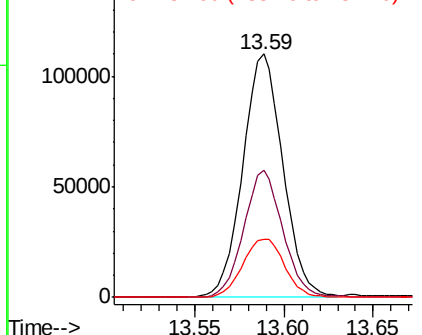
#85
n-Butylbenzene
Concen: 16.089 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 91 Resp: 173646
Ion Ratio Lower Upper
91 100
92 50.6 0.0 110.0
134 25.0 0.0 51.6

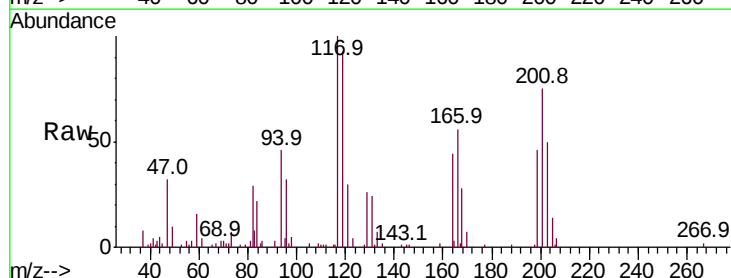


Abundance Ion 91.00 (90.70 to 91.70): VN064302.D (-3672) (-)
Ion 92.00 (91.70 to 92.70): VN064302.D (-3672) (-)
Ion 134.00 (133.70 to 134.70): VN064302.D (-3672) (-)

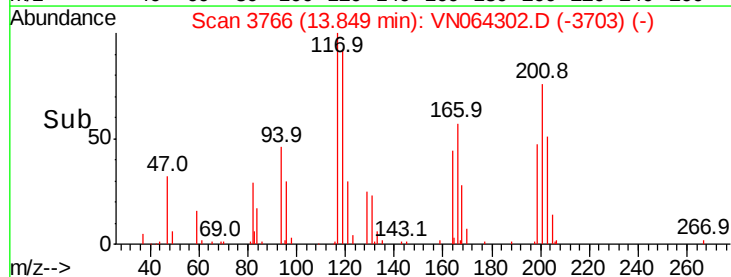
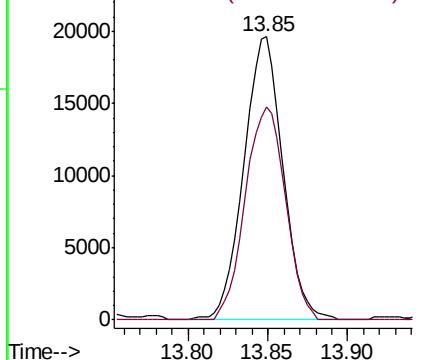


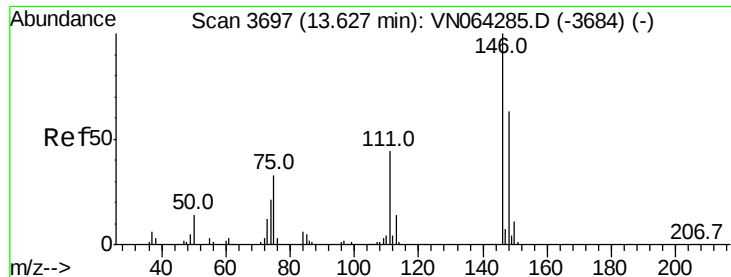
#86
Hexachloroethane
Concen: 15.807 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064302.D
Acq: 23 Oct 2020 22:02

Tgt Ion: 117 Resp: 32737
Ion Ratio Lower Upper
117 100
201 77.1 37.2 111.6



Abundance Ion 117.00 (116.70 to 117.70): VN064302.D (-3754) (-)
Ion 201.00 (200.70 to 201.70): VN064302.D (-3754) (-)





#87

1,2-Dichlorobenzene

Concen: 17.043 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

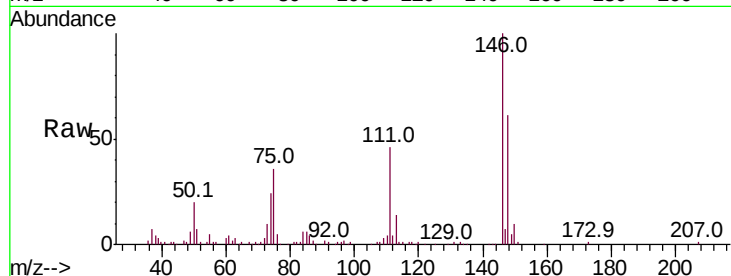
Tot Ion:146 Resp: 106050

Ion Ratio Lower Upper

146 100

111 43.5 23.1 69.3

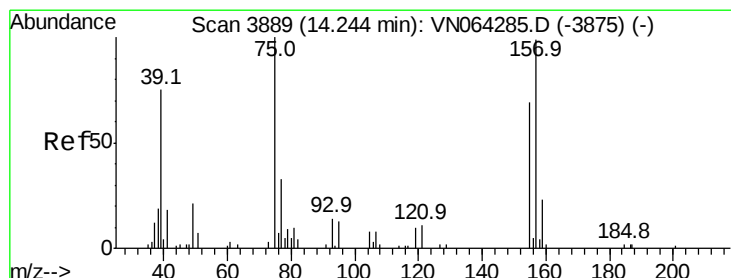
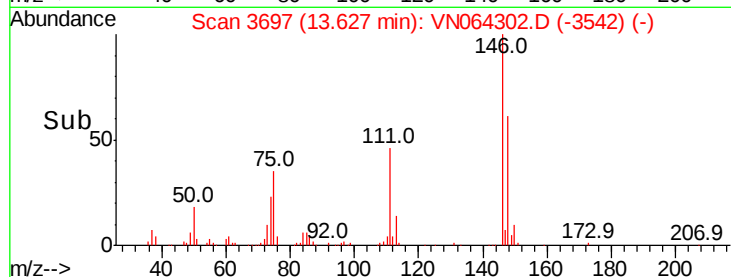
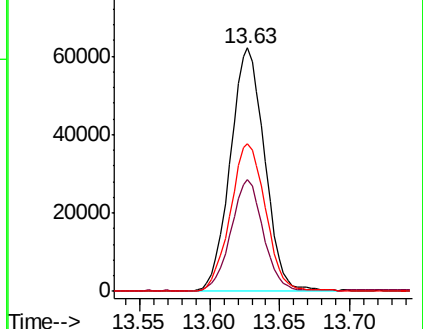
148 61.8 32.3 96.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 16.470 ug/l

RT: 14.24 min Scan# 3889

Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

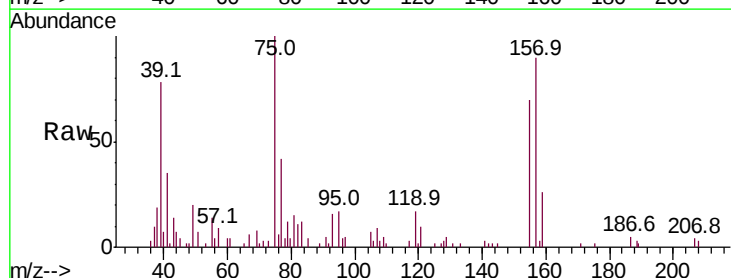
Tgt Ion: 75 Resp: 16001

Ion Ratio Lower Upper

75 100

155 74.8 56.6 84.8

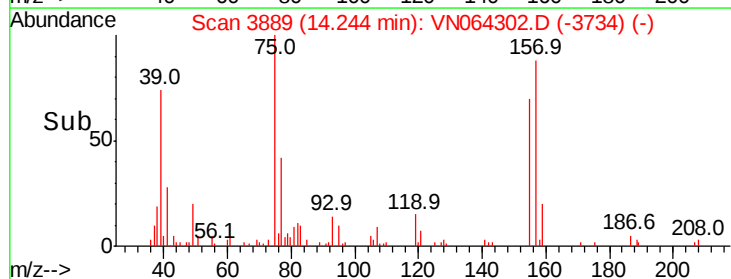
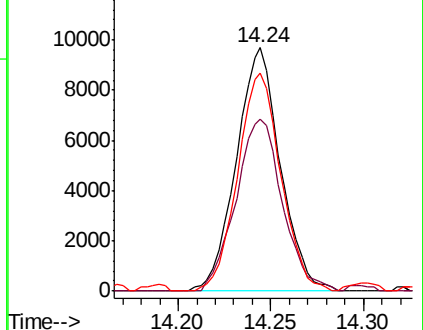
157 88.2 70.1 105.1

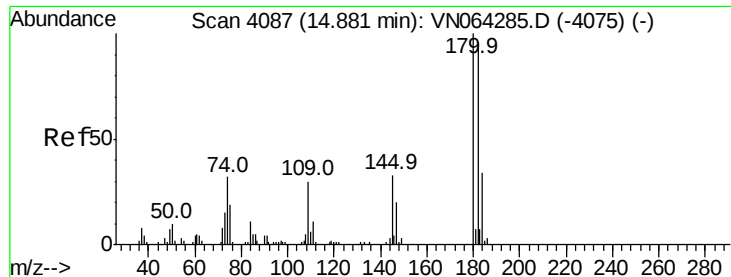


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

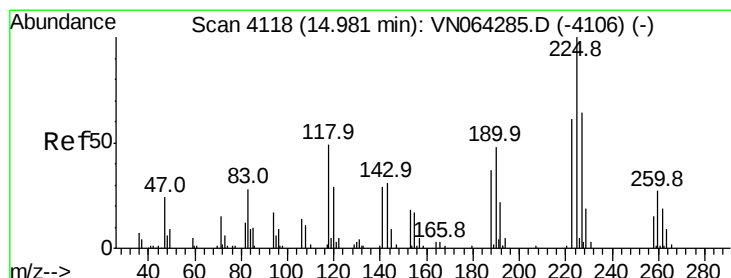
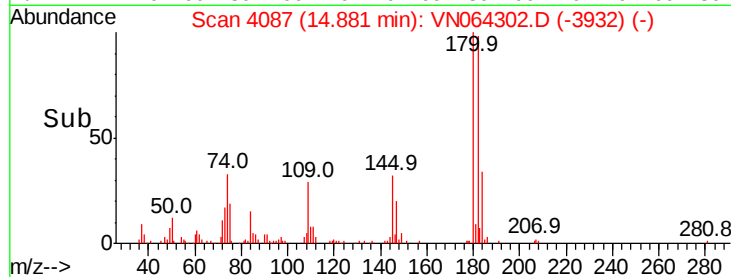
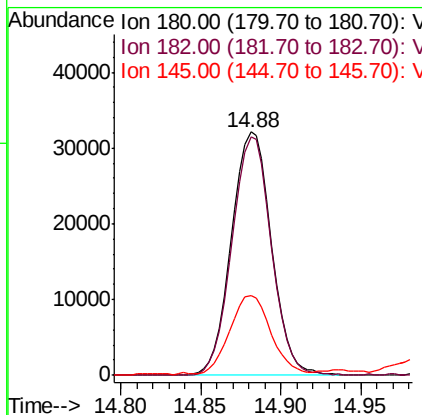
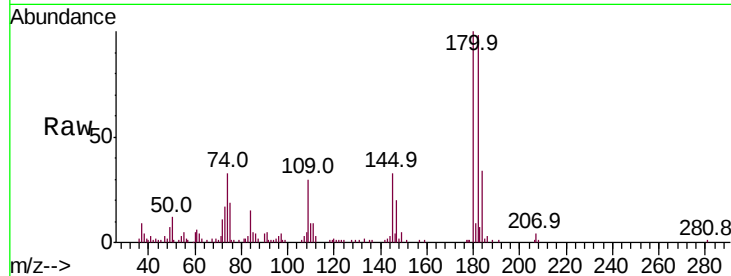




#89
 1,2,4-Trichlorobenzene
 Concen: 15.404 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064302.D
 Acq: 23 Oct 2020 22:02

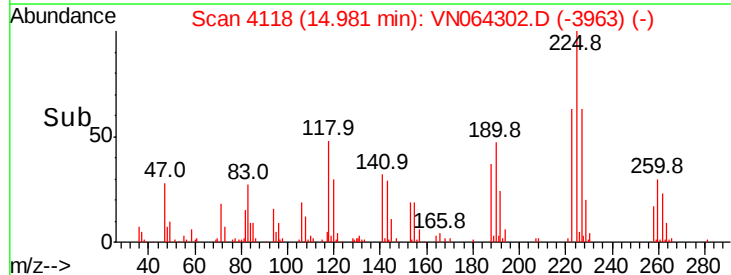
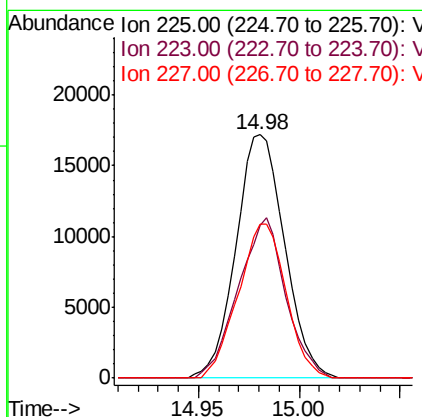
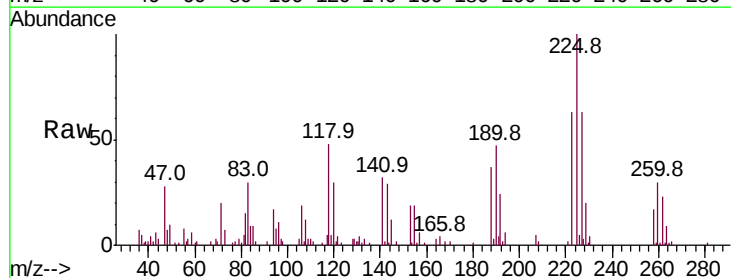
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

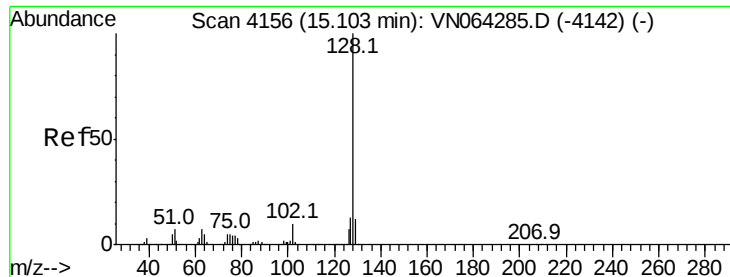
Tot Ion:180 Resp: 54680
 Ion Ratio Lower Upper
 180 100
 182 96.2 71.3 106.9
 145 34.2 23.9 35.9



#90
 Hexachlorobutadiene
 Concen: 14.947 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064302.D
 Acq: 23 Oct 2020 22:02

Tgt Ion:225 Resp: 29053
 Ion Ratio Lower Upper
 225 100
 223 64.1 0.0 129.8
 227 62.1 0.0 128.6





#91

Naphthalene

Concen: 16.496 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

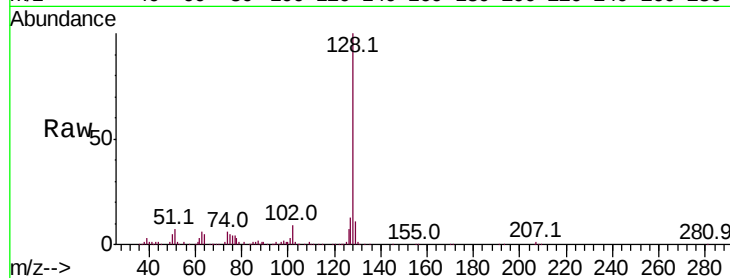
Tot Ion:128 Resp: 171236

Ion Ratio Lower Upper

128 100

127 13.2 9.9 14.9

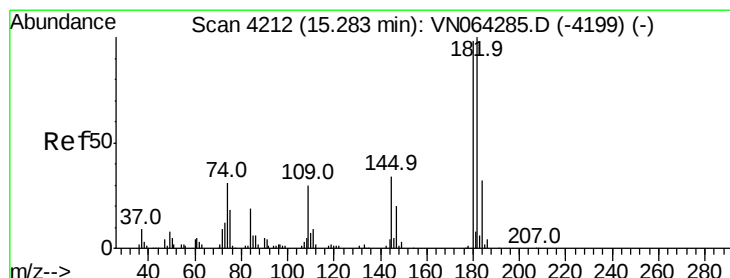
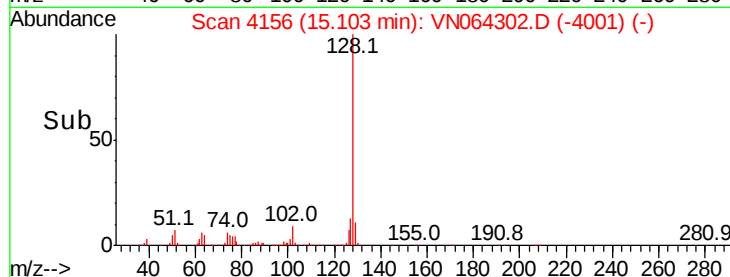
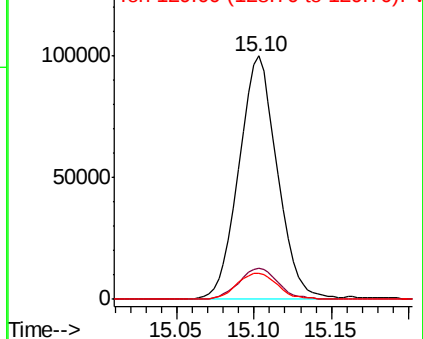
129 11.6 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 16.321 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN064302.D

Acq: 23 Oct 2020 22:02

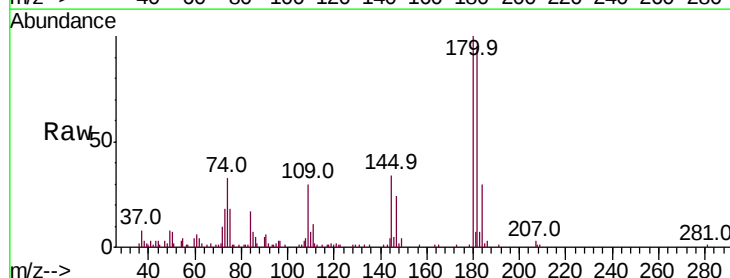
Tgt Ion:180 Resp: 55558

Ion Ratio Lower Upper

180 100

182 96.4 0.0 188.8

145 32.2 0.0 70.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

