

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110220\
 Data File : VN064416.D
 Acq On : 2 Nov 2020 15:24
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Quant Time: Nov 02 15:48:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 02 15:04:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.14	128	61956	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	333843	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	303824	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	138387	25.27	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	84.23%#
60) 4-Bromofluorobenzene	12.38	95	157278	29.51	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.37%
63) Toluene-d8	10.06	98	403340	29.87	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.57%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	575066	118.071	ug/l 99
3) Chloromethane	2.04	50	602928	130.316	ug/l 95
4) Vinyl Chloride	2.16	62	616628	135.545	ug/l 97
5) Bromomethane	2.51	94	391773	138.493	ug/l 98
6) Chloroethane	2.66	64	363812	141.748	ug/l 98
7) Trichlorofluoromethane	2.98	101	980909	137.979	ug/l 95
8) Diethyl Ether	3.37	74	324688	145.105	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	3.72	101	494429	136.515	ug/l 98
10) 1,1-Dichloroethene	3.69	96	493668	143.236	ug/l 96
11) Methyl Iodide	3.91	142	726050	148.441	ug/l 98
12) Methyl Acetate	4.27	43	524095	129.763	ug/l 96
13) Acrolein	3.57	56	303385	1020.658	ug/l 92
14) Acrylonitrile	4.93	53	1233344	698.238	ug/l 100
15) Acetone	3.77	58	359888	678.359	ug/l 95
16) Carbon Disulfide	4.01	76	1429816	139.566	ug/l 100
17) Allyl chloride	4.27	41	857147	131.540	ug/l 91
18) Methylene Chloride	4.50	84	556605	140.977	ug/l 95
19) trans-1,2-Dichloroethene	4.99	96	546576	144.028	ug/l 94
20) Diisopropyl ether	5.90	45	1893877	142.630	ug/l 99
21) 1,1-Dichloroethane	5.79	63	1032879	138.705	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	635947	145.557	ug/l 99
23) tert-Butyl Alcohol	4.73	59	449787	569.581	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	1776707	137.421	ug/l # 64
25) Chloroform	7.33	83	1093389	141.502	ug/l 98
26) Cyclohexane	7.61	56	837343	138.263	ug/l # 98
29) 1,1-Dichloropropene	7.75	75	825353	145.858	ug/l 88
30) 2-Butanone	6.78	43	1833322	683.083	ug/l 99
31) 2,2-Dichloropropane	6.78	77	970875	142.225	ug/l 100
32) 1,1,1-Trichloroethane	7.53	97	1045586	145.845	ug/l 99
33) Carbon Tetrachloride	7.73	117	953721	145.705	ug/l 96
34) Benzene	8.00	78	2328738	151.481	ug/l # 88
35) Methacrylonitrile	7.12	41	306300	112.184	ug/l 97
36) 1,2-Dichloroethane	8.08	62	906698	134.482	ug/l 99
37) Trichloroethene	8.80	130	654480	155.593	ug/l 94
38) Methylcyclohexane	9.05	83	758212	139.175	ug/l 97
39) 1,2-Dichloropropane	9.08	63	601044	147.240	ug/l 100
40) Dibromomethane	9.17	93	424342	147.728	ug/l 98

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 02 15:04:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	908508	146.692	ug/l	97
42) Vinyl Acetate	5.84	43	7984978	707.181	ug/l	99
43) Ethyl Acetate	7.16	43	244804	46.580	ug/l	98
44) Isopropyl Acetate	8.12	43	1313585	134.070	ug/l	# 80
45) 1,4-Dioxane	9.16	88	184917	2487.813	ug/l	93
46) Methyl methacrylate	9.16	41	657147	137.685	ug/l	96
47) n-amyl Acetate	12.04	43	1201055	145.602	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	1032708	150.210	ug/l	100
49) cis-1,3-Dichloropropene	9.81	75	1063483	149.954	ug/l	92
50) 1,1,2-Trichloroethane	10.53	97	579547	150.912	ug/l	95
51) Ethyl methacrylate	10.40	69	878304	149.046	ug/l	93
52) 1,3-Dichloropropane	10.68	76	991461	147.519	ug/l	99
53) Dibromochloromethane	10.87	129	745062	159.104	ug/l	100
54) 1,2-Dibromoethane	10.97	107	625726	152.658	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	2224872	754.536	ug/l	99
56) Bromoform	12.10	173	543667	164.039	ug/l	100
58) 4-Methyl-2-Pentanone	9.95	43	3695776	679.189	ug/l	97
59) 2-Hexanone	10.72	43	2771973	676.417	ug/l	97
61) Tetrachloroethene	10.60	164	615519	151.372	ug/l	96
62) Toluene	10.12	91	2580626	153.812	ug/l	100
64) Chlorobenzene	11.41	112	1638086	156.369	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	652695	157.930	ug/l	99
66) Ethyl Benzene	11.48	91	2915874	153.612	ug/l	96
67) m/p-Xylenes	11.59	106	2226673	316.713	ug/l	95
68) o-Xylene	11.92	106	1072401	155.413	ug/l	98
69) Styrene	11.94	104	1867985	163.648	ug/l	96
70) Isopropylbenzene	12.22	105	2749447	151.366	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.48	83	767975	149.768	ug/l	97
72) 1,2,3-Trichloropropane	12.52	75	1137633	214.306	ug/l	60
73) Bromobenzene	12.50	156	736546	163.430	ug/l	97
74) n-propylbenzene	12.57	91	3085835	150.061	ug/l	100
75) 2-Chlorotoluene	12.65	91	1931420	151.239	ug/l	96
76) 1,3,5-Trimethylbenzene	12.71	105	2305726	151.130	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	306839	153.894	ug/l	91
78) 4-Chlorotoluene	12.75	91	2048106	153.645	ug/l	96
79) tert-butylbenzene	12.97	119	1846612	146.492	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	2354366	152.769	ug/l	98
81) sec-Butylbenzene	13.14	105	2340561	144.138	ug/l	99
82) p-Isopropyltoluene	13.26	119	2201961	147.939	ug/l	99
83) 1,3-Dichlorobenzene	13.25	146	1271806	163.488	ug/l	100
84) 1,4-Dichlorobenzene	13.33	146	1289712	164.692	ug/l	99
85) n-Butylbenzene	13.59	91	1817687	141.247	ug/l	96
86) Hexachloroethane	13.85	117	423539	153.582	ug/l	98
87) 1,2-Dichlorobenzene	13.63	146	1242970	162.162	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	178066	141.487	ug/l	98
89) 1,2,4-Trichlorobenzene	14.88	180	678612	160.319	ug/l	96
90) Hexachlorobutadiene	14.98	225	305025	133.672	ug/l	98
91) Naphthalene	15.10	128	2079108	166.052	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	659101	162.610	ug/l	99

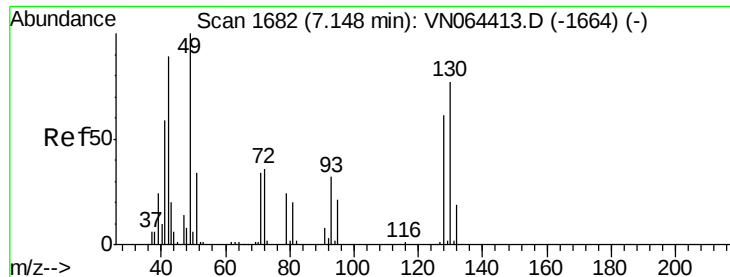
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110220\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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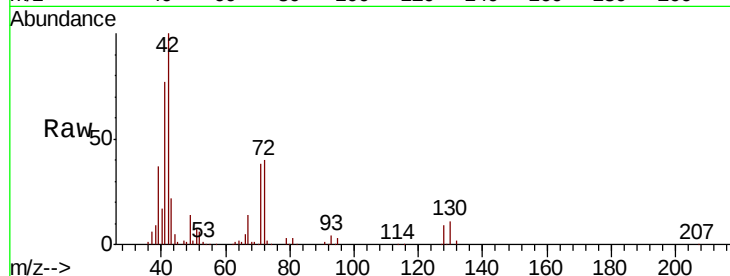
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.14 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: VN064416.D
 Acq: 2 Nov 2020 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
49	170.1	0.0	423.5
130	130.2	0.0	325.0

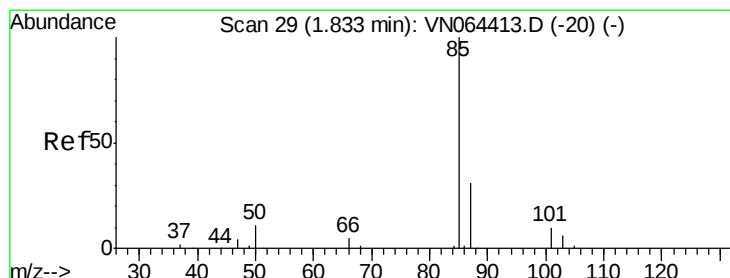
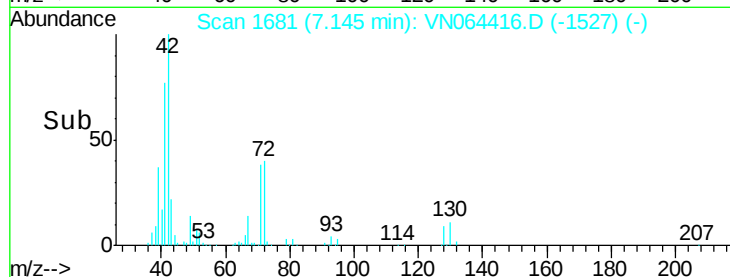
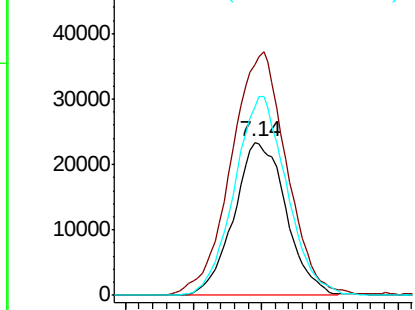


Abundance

Ion 128.00 (127.70 to 128.70): V

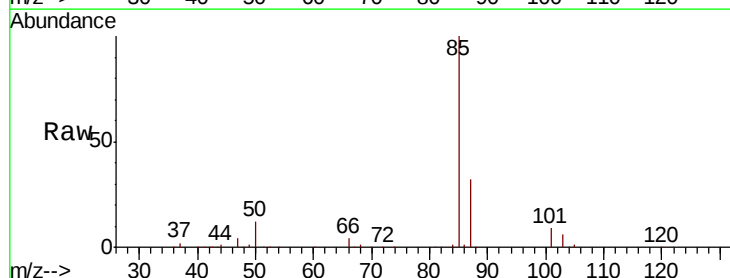
Ion 49.00 (48.70 to 49.70): V

Ion 130.00 (129.70 to 130.70): V



#2
 Dichlorodifluoromethane
 Concen: 118.071 ug/l
 RT: 1.83 min Scan# 28
 Delta R.T. -0.00 min
 Lab File: VN064416.D
 Acq: 2 Nov 2020 15:24

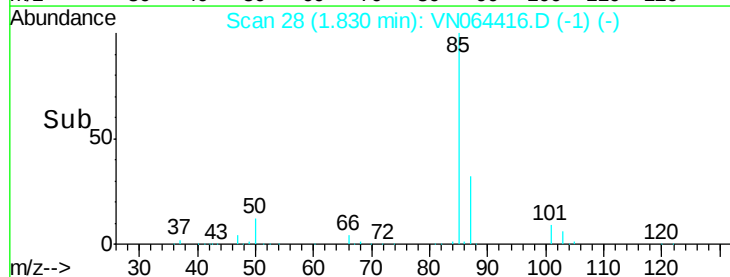
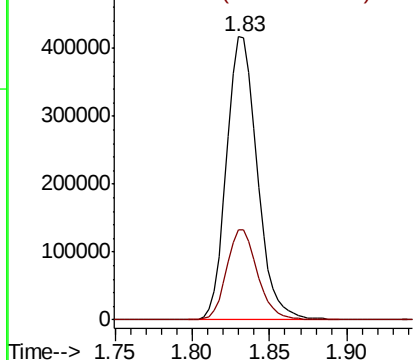
Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.9	15.7	47.1

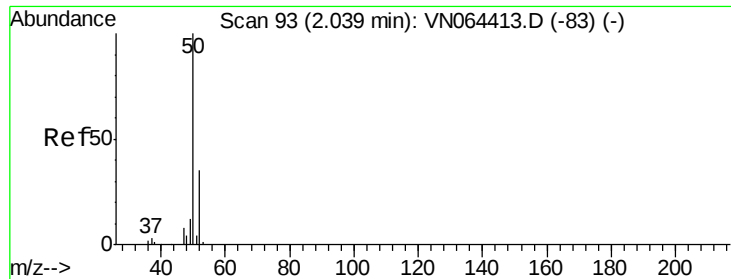


Abundance

Ion 85.00 (84.70 to 85.70): V

Ion 87.00 (86.70 to 87.70): V





#3

Chloromethane

Concen: 130.316 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

Instrument :

MSVOA_N

ClientSampleId :

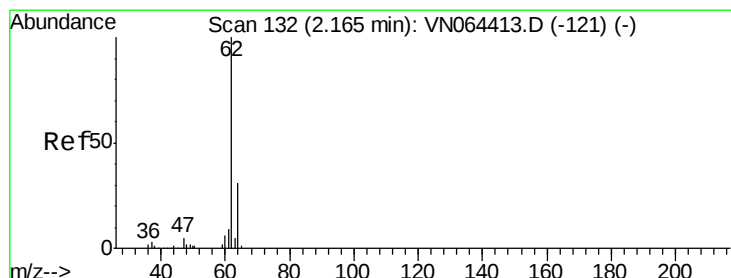
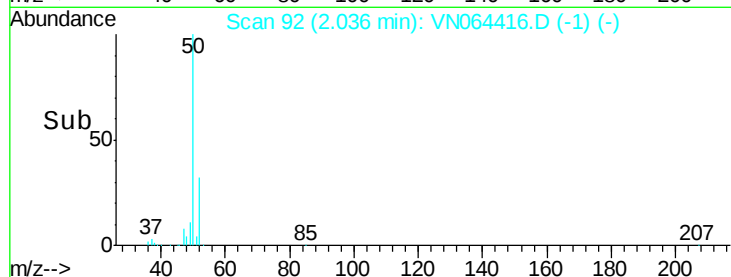
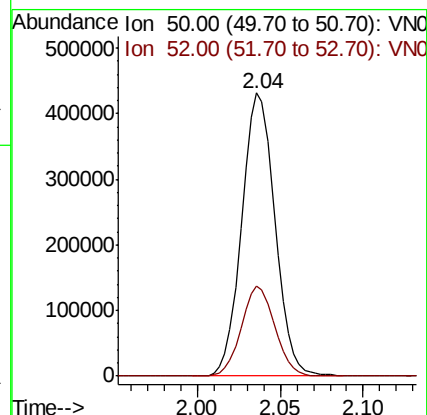
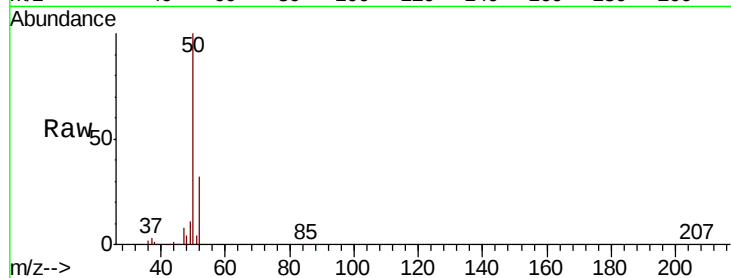
VSTDIC150

Tot Ion: 50 Resp: 602928

Ion Ratio Lower Upper

50 100

52 31.9 27.7 41.5



#4

Vinyl Chloride

Concen: 135.545 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064416.D

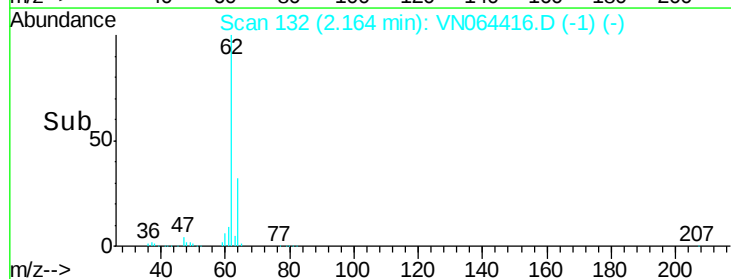
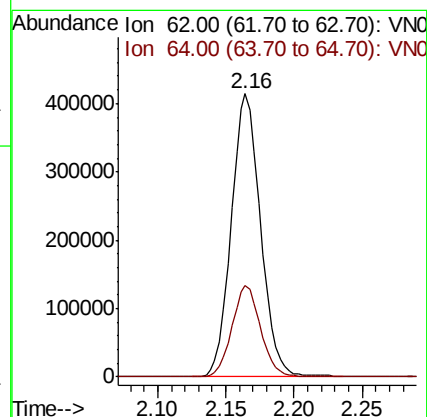
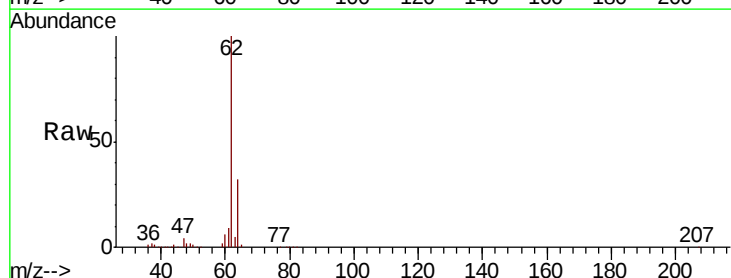
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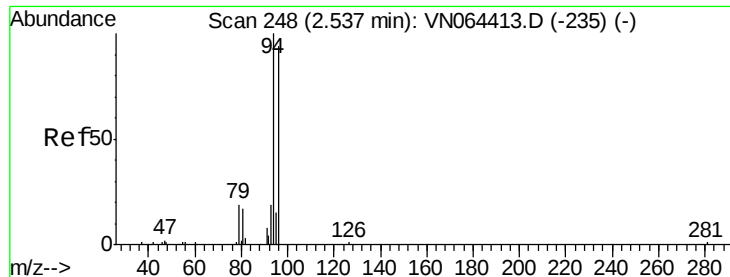
Tgt Ion: 62 Resp: 616628

Ion Ratio Lower Upper

62 100

64 32.4 24.5 36.7





#5

Bromomethane

Concen: 138.493 ug/l

RT: 2.51 min Scan# 241

Delta R.T. -0.02 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

Instrument :

MSVOA_N

ClientSampleId :

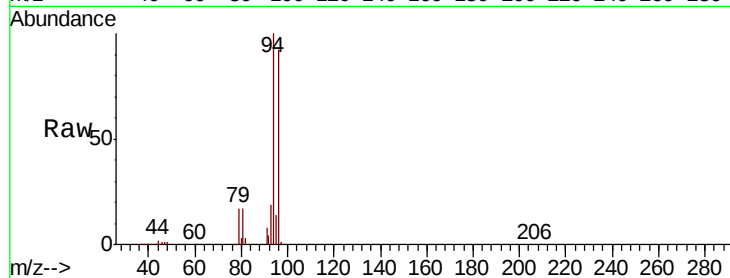
VSTDIC150

Tot Ion: 94 Resp: 391773

Ion Ratio Lower Upper

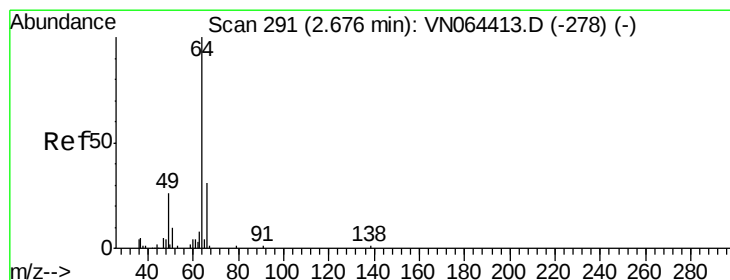
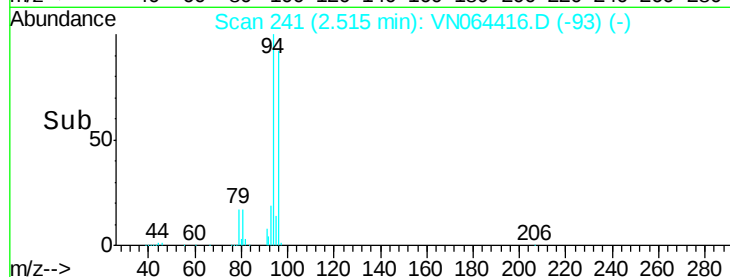
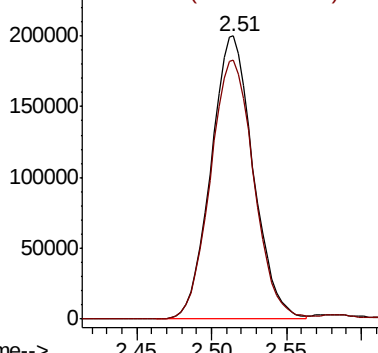
94 100

96 91.6 75.2 112.8



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 141.748 ug/l

RT: 2.66 min Scan# 287

Delta R.T. -0.01 min

Lab File: VN064416.D

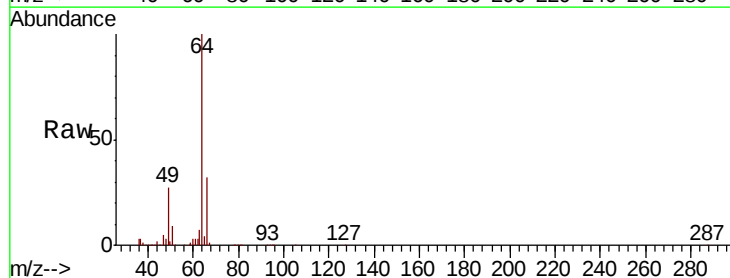
Acq: 2 Nov 2020 15:24

Tgt Ion: 64 Resp: 363812

Ion Ratio Lower Upper

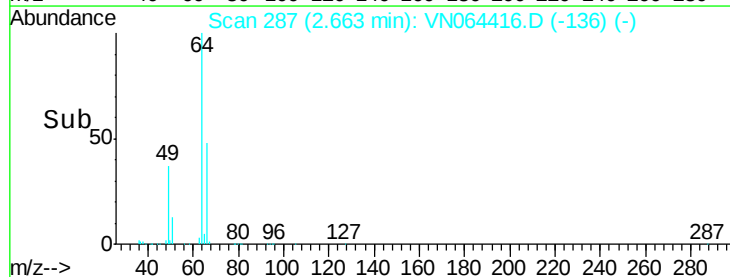
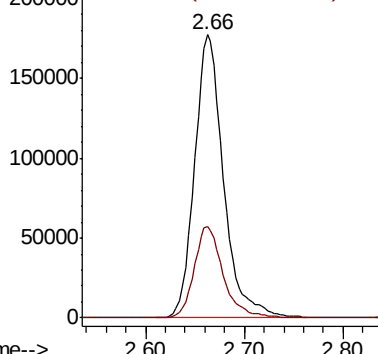
64 100

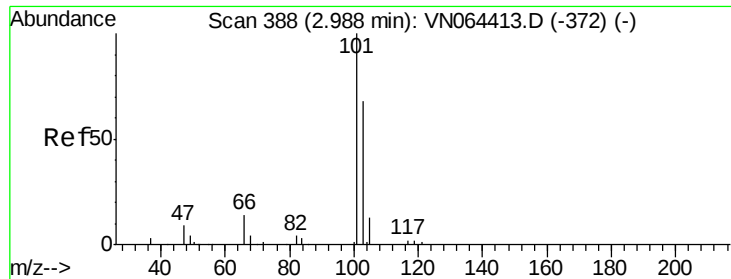
66 32.4 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



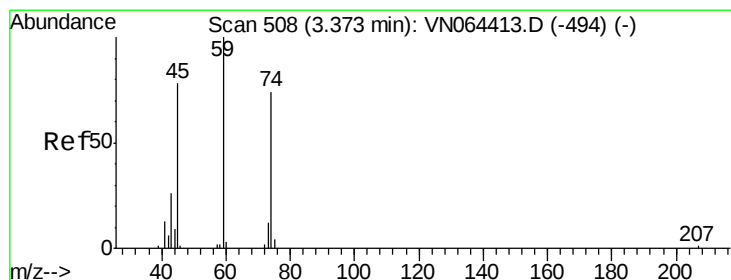
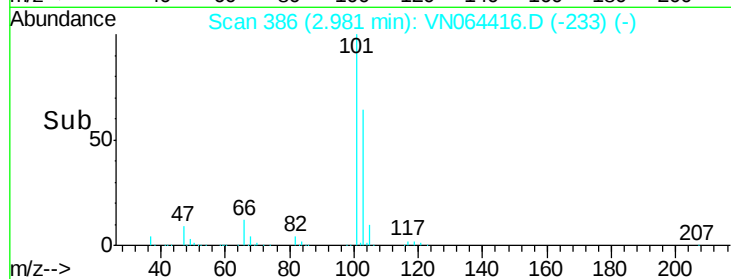
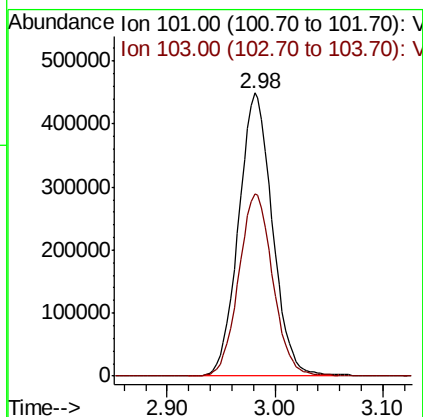
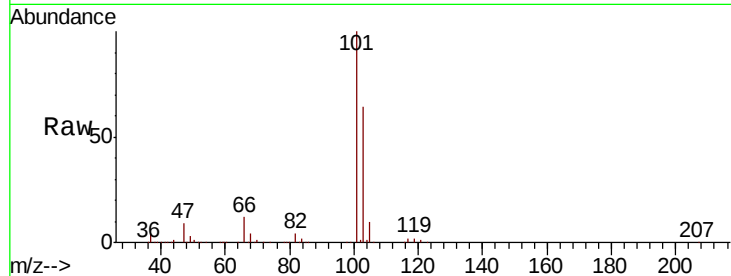


#7

Trichlorofluoromethane
 Concen: 137.979 ug/l
 RT: 2.98 min Scan# 386
 Delta R.T. -0.01 min
 Lab File: VN064416.D
 Acq: 2 Nov 2020 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

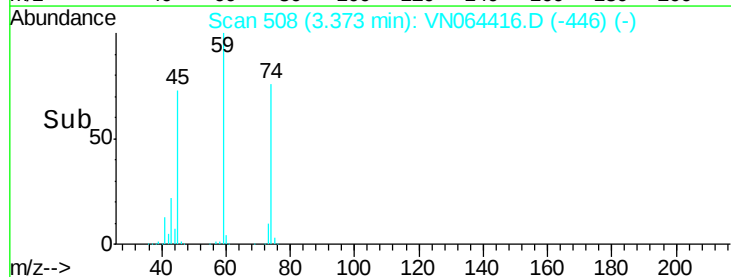
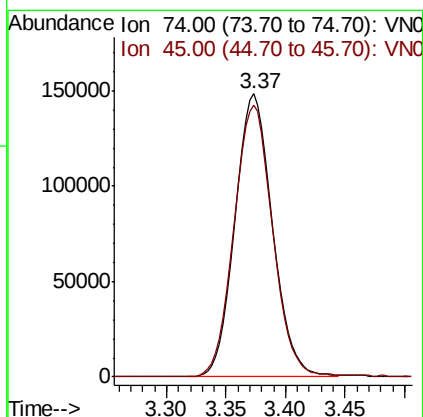
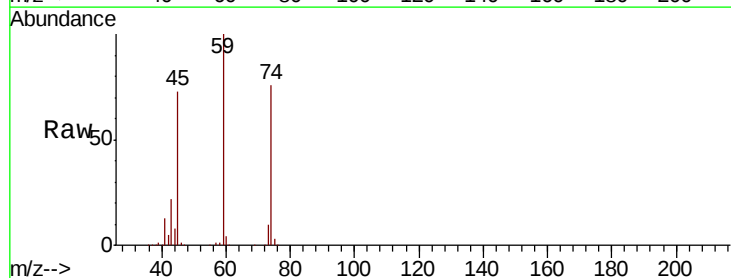
Tot Ion:101 Resp: 980909
 Ion Ratio Lower Upper
 101 100
 103 64.4 54.6 81.8

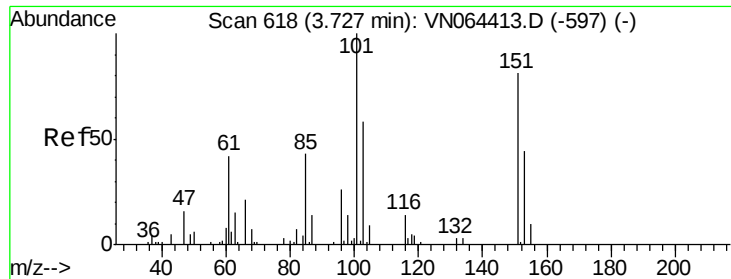


#8

Diethyl Ether
 Concen: 145.105 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN064416.D
 Acq: 2 Nov 2020 15:24

Tgt Ion: 74 Resp: 324688
 Ion Ratio Lower Upper
 74 100
 45 98.8 21.2 190.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 136.515 ug/l

RT: 3.72 min Scan# 615

Delta R.T. -0.01 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

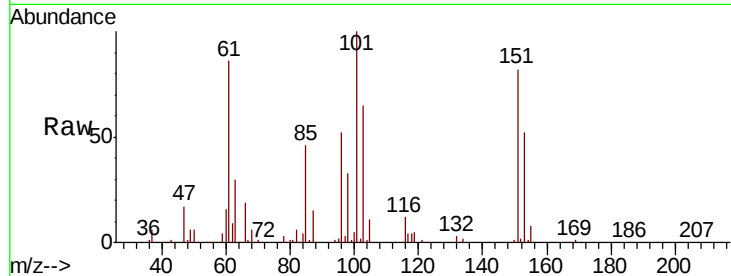
Tot Ion:101 Resp: 494429

Ion Ratio Lower Upper

101 100

85 46.2 0.0 89.6

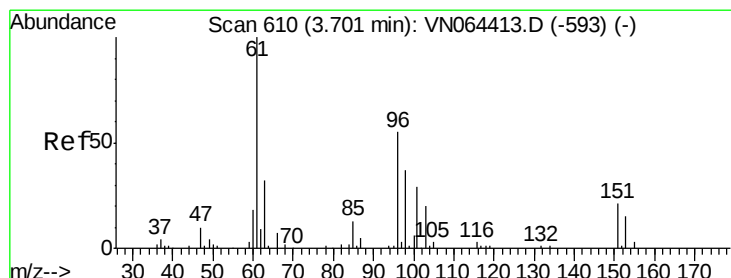
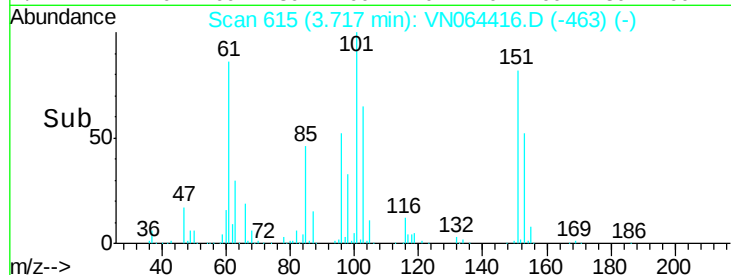
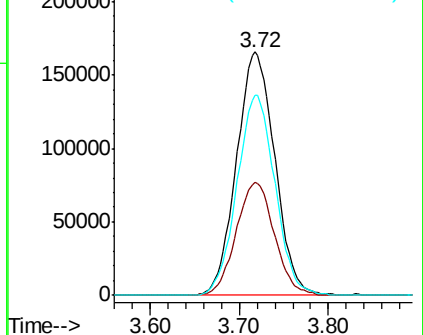
151 81.7 0.0 158.8



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: 143.236 ug/l

RT: 3.69 min Scan# 608

Delta R.T. -0.01 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

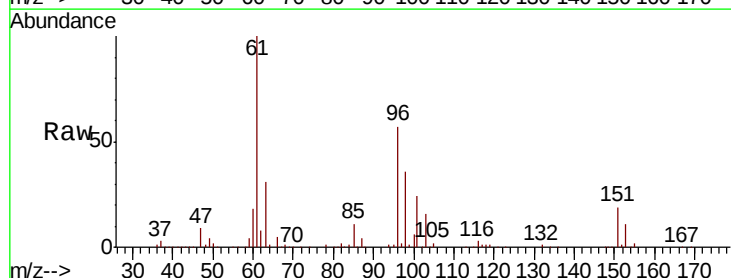
Tgt Ion: 96 Resp: 493668

Ion Ratio Lower Upper

96 100

61 175.9 145.6 218.4

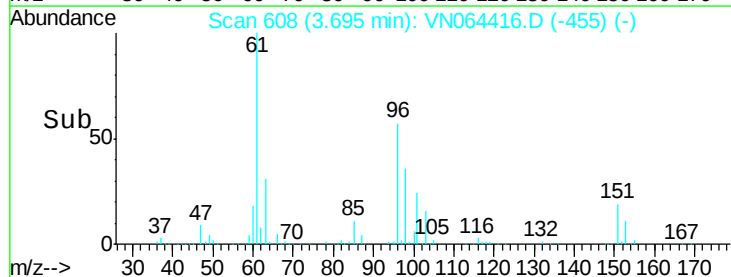
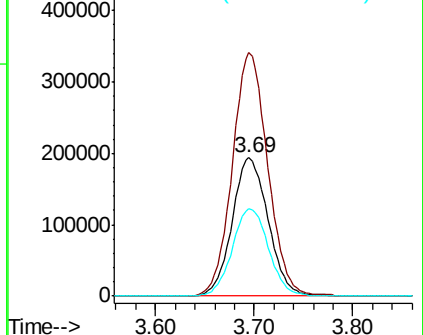
98 63.2 53.9 80.9

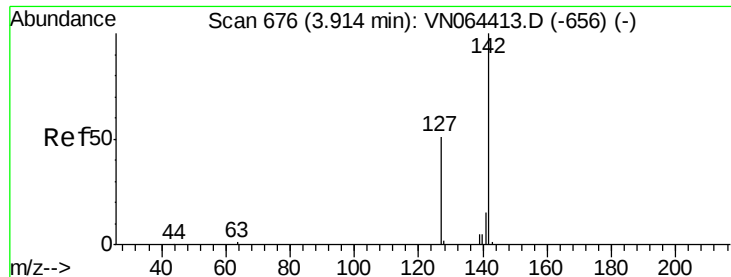


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

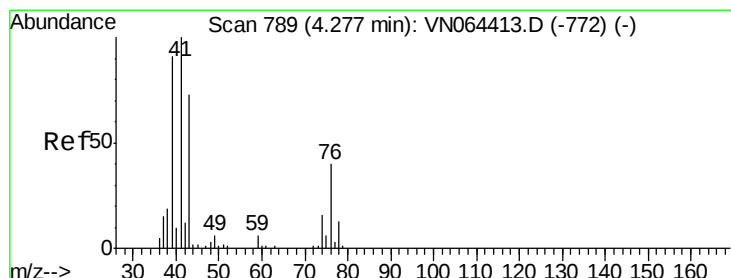
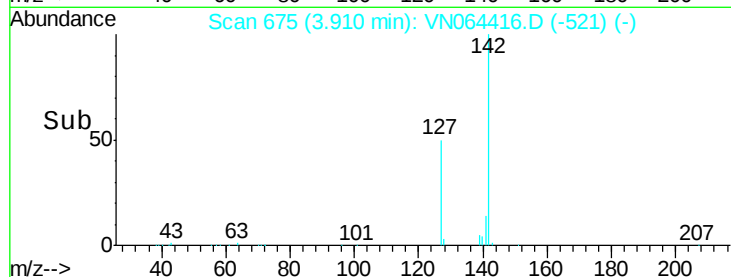
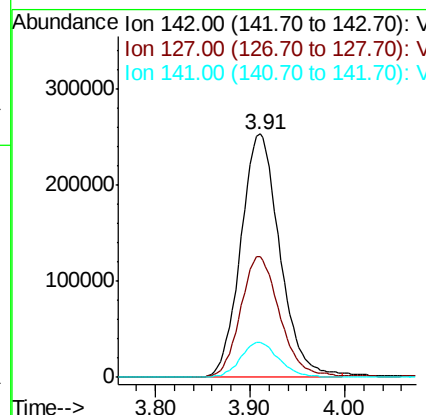
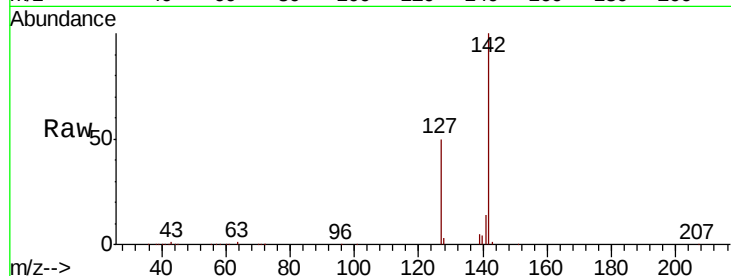




#11
Methyl Iodide
Concen: 148.441 ug/l
RT: 3.91 min Scan# 675
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

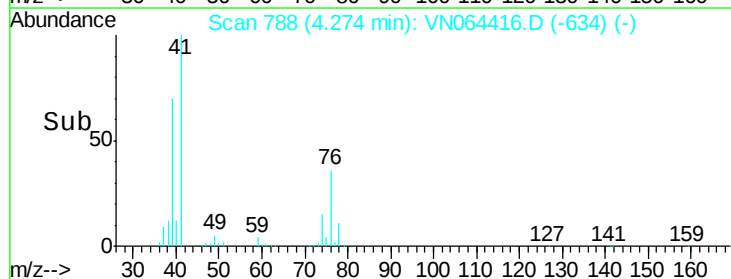
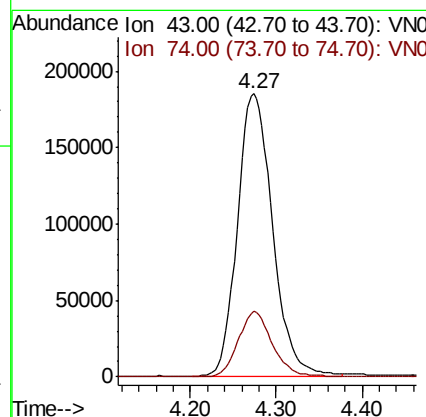
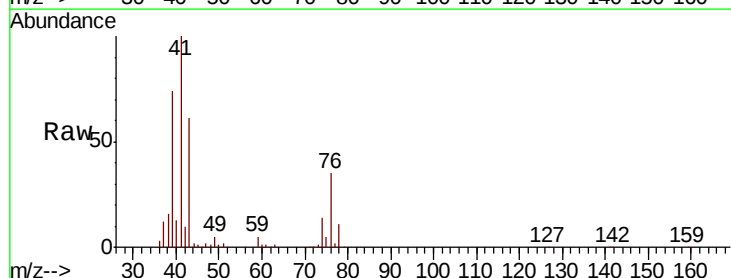
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

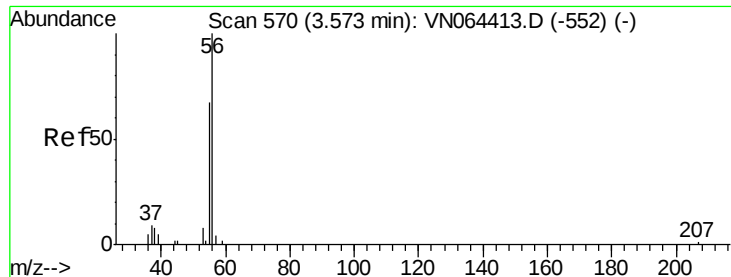
Tot Ion:142 Resp: 726050
Ion Ratio Lower Upper
142 100
127 49.8 25.4 76.2
141 14.2 7.8 23.3



#12
Methyl Acetate
Concen: 129.763 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Tgt Ion: 43 Resp: 524095
Ion Ratio Lower Upper
43 100
74 23.2 17.1 25.7





#13

Acrolein

Concen: 1020.658 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.01 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

Instrument :

MSVOA_N

ClientSampleId :

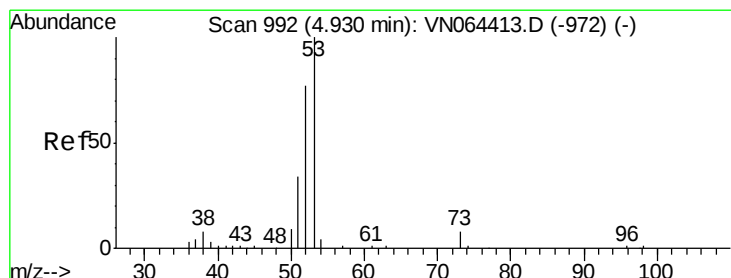
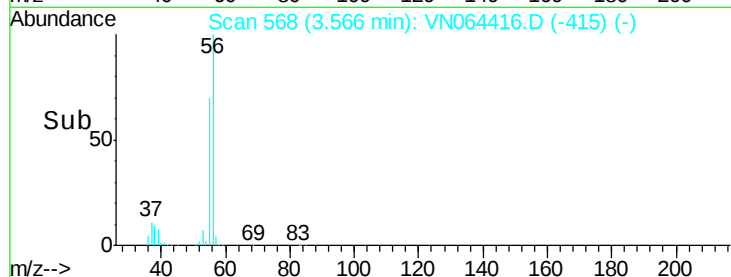
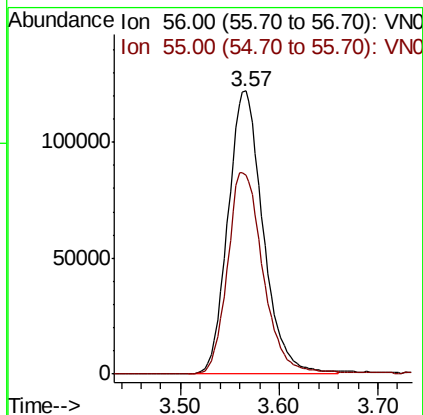
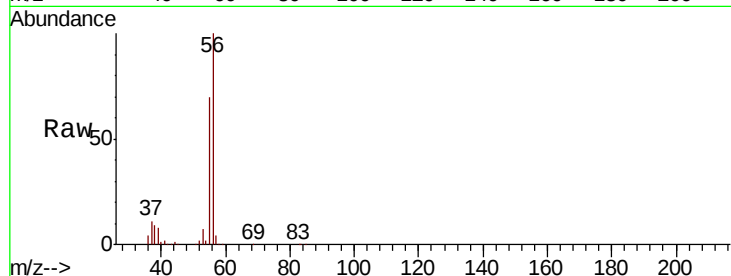
VSTDIC150

Tot Ion: 56 Resp: 303385

Ion Ratio Lower Upper

56 100

55 72.0 52.5 78.7



#14

Acrylonitrile

Concen: 698.238 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

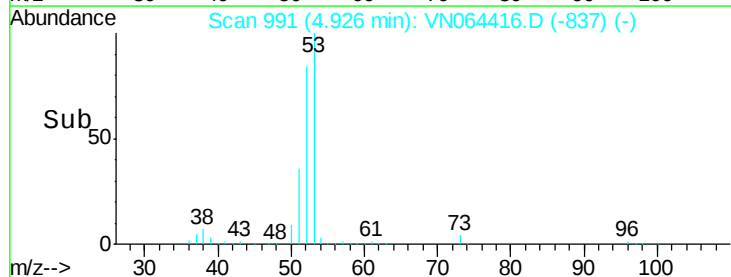
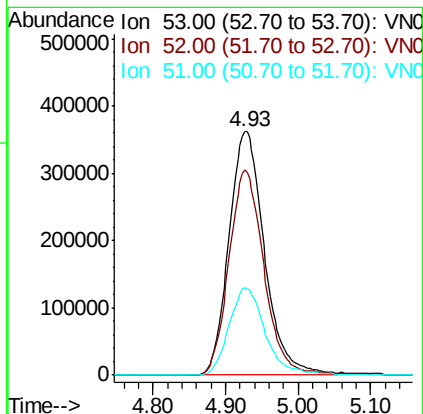
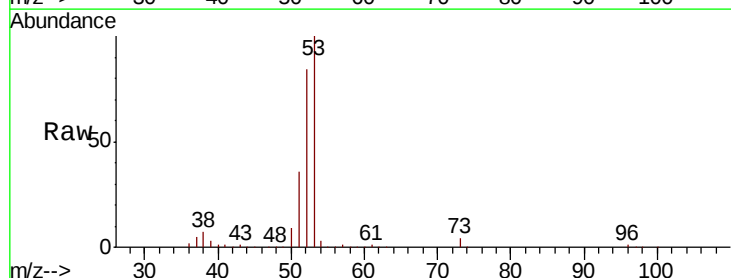
Tgt Ion: 53 Resp: 1233344

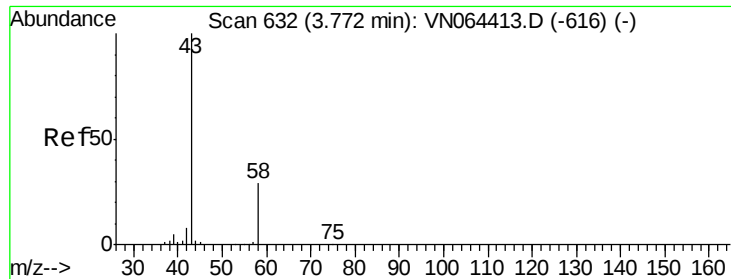
Ion Ratio Lower Upper

53 100

52 82.1 41.1 123.3

51 36.0 17.8 53.3





#15

Acetone

Concen: 678.359 ug/l

RT: 3.77 min Scan# 631

Delta R.T. -0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

Instrument :

MSVOA_N

ClientSampled :

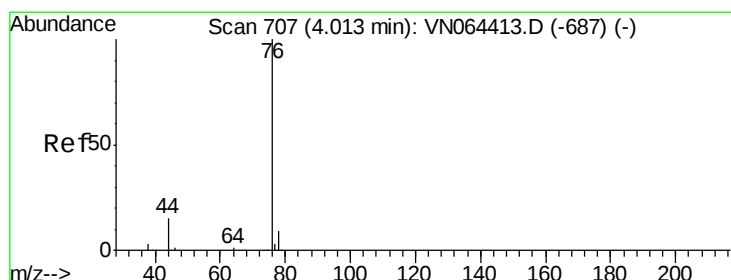
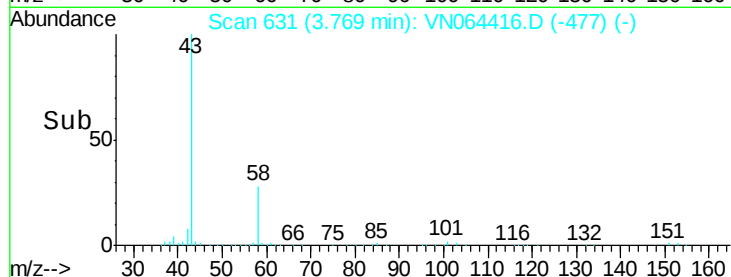
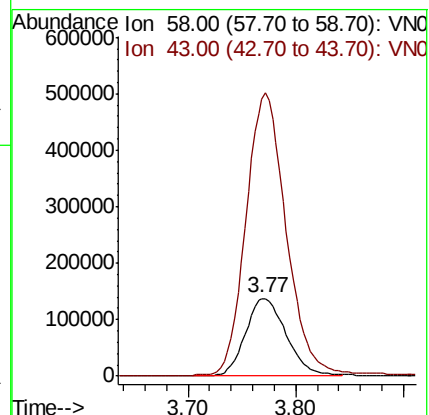
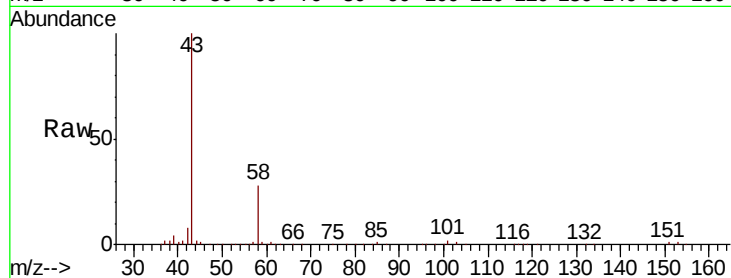
VSTDIC150

Tot Ion: 58 Resp: 359888

Ion Ratio Lower Upper

58 100

43 356.5 276.1 414.1



#16

Carbon Disulfide

Concen: 139.566 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN064416.D

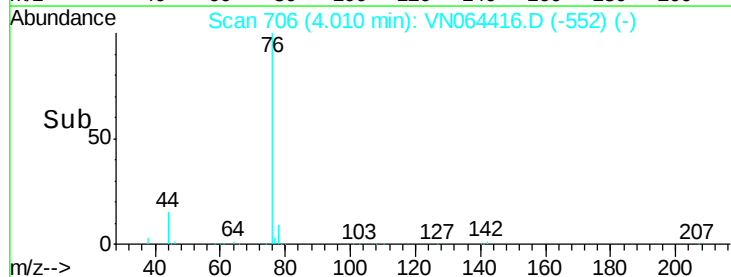
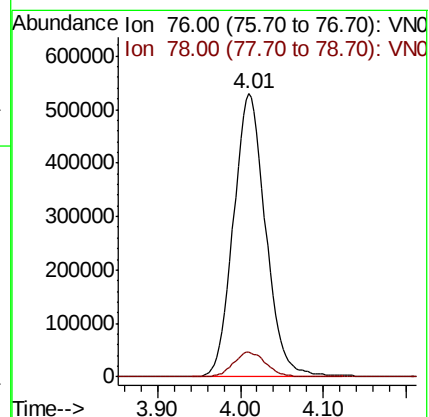
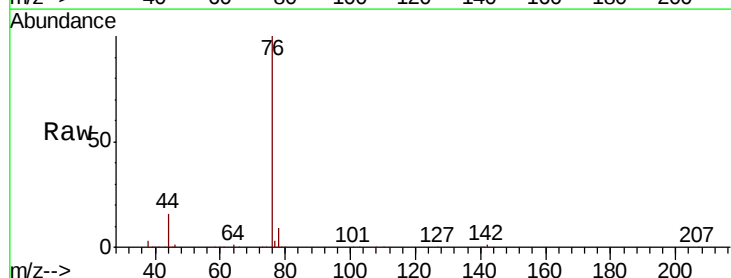
Acq: 2 Nov 2020 15:24

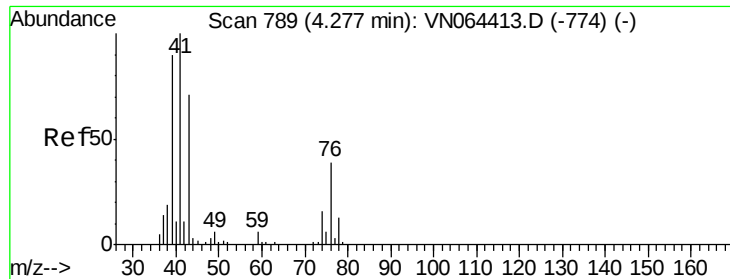
Tgt Ion: 76 Resp: 1429816

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.6

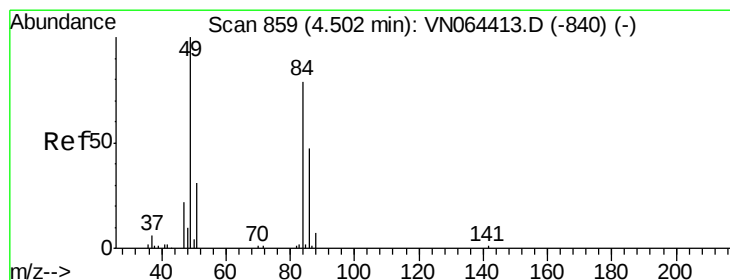
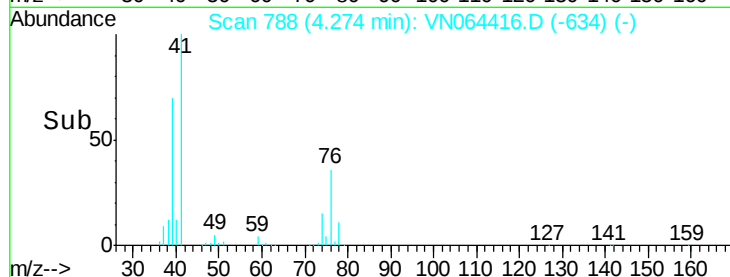
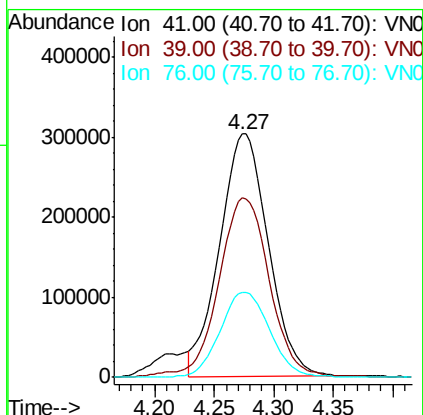
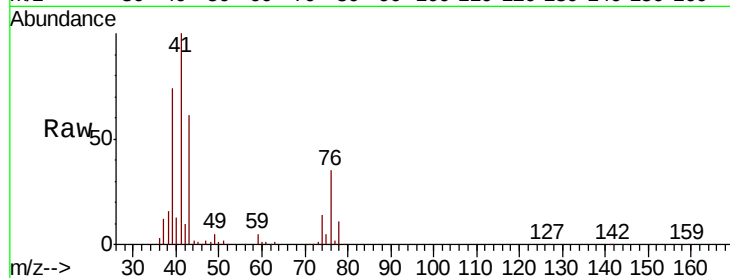




#17
Allvl chloride
Concen: 131.540 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

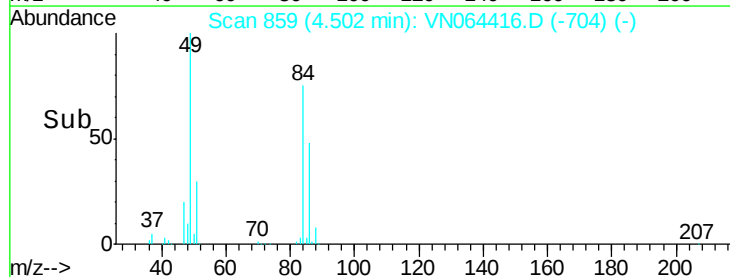
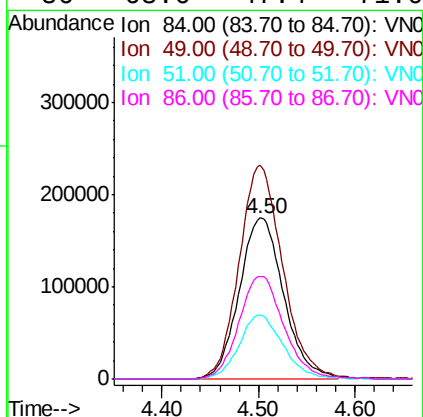
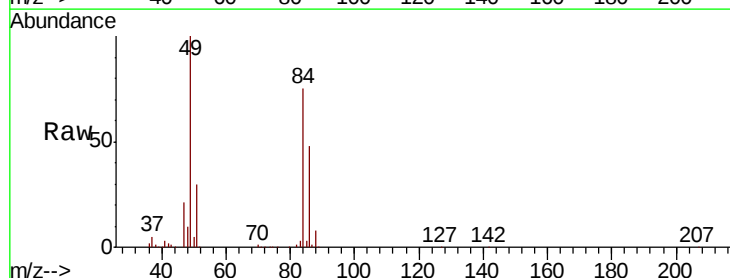
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

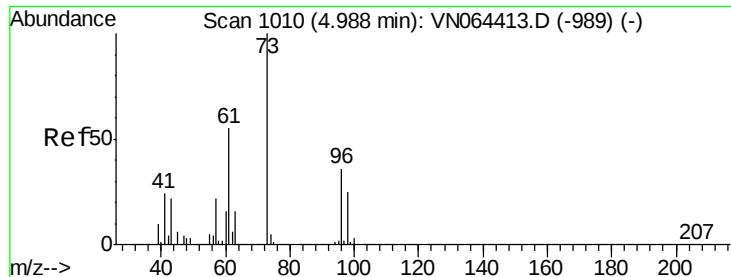
Tot Ion: 41 Resp: 857147
Ion Ratio Lower Upper
41 100
39 73.7 42.3 126.8
76 34.9 18.6 55.8



#18
Methylene Chloride
Concen: 140.977 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Tgt Ion: 84 Resp: 556605
Ion Ratio Lower Upper
84 100
49 132.8 101.0 151.4
51 39.6 31.2 46.8
86 63.6 47.4 71.0

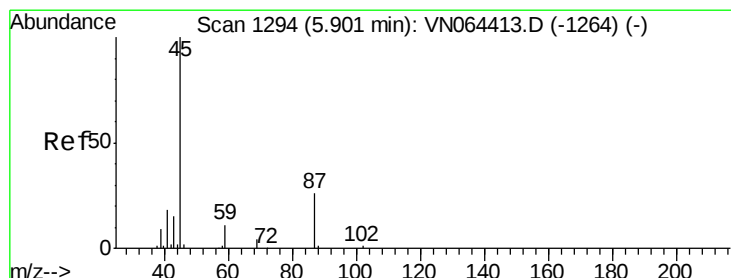
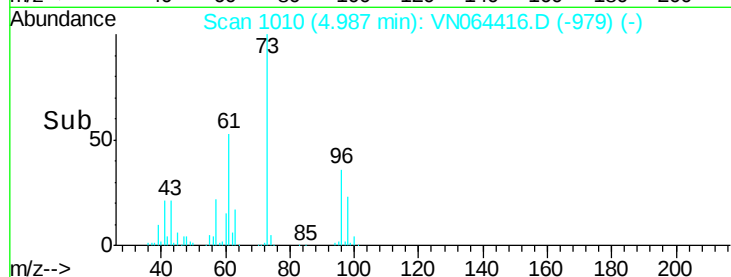
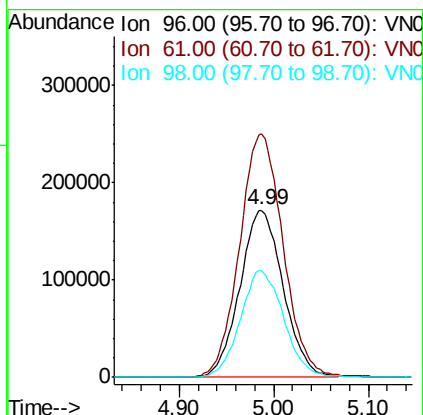
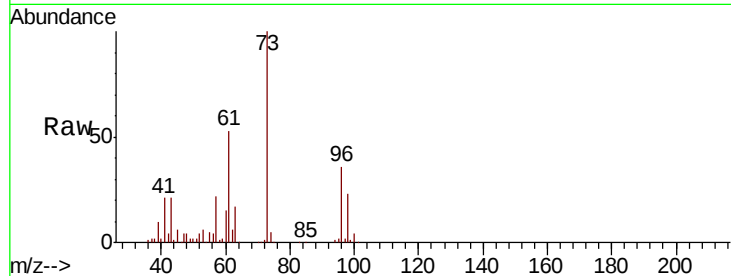




#19
trans-1,2-Dichloroethene
Concen: 144.028 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

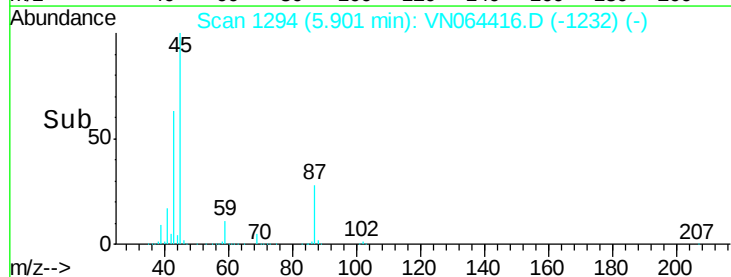
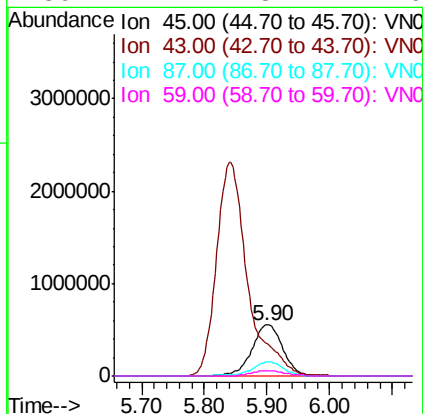
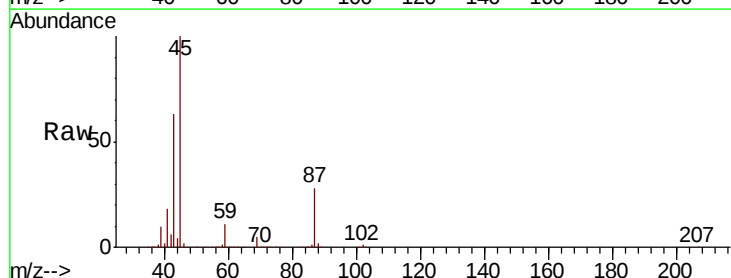
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

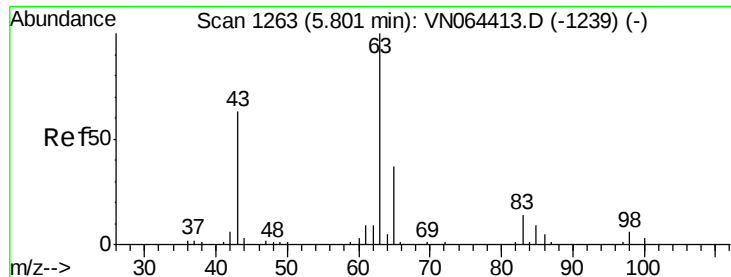
Tot Ion: 96 Resp: 546576
Ion Ratio Lower Upper
96 100
61 145.5 121.4 182.0
98 63.6 55.5 83.3



#20
Diisopropyl ether
Concen: 142.630 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Tgt Ion: 45 Resp: 1893877
Ion Ratio Lower Upper
45 100
43 61.9 49.6 74.4
87 27.7 21.0 31.6
59 11.1 8.4 12.6

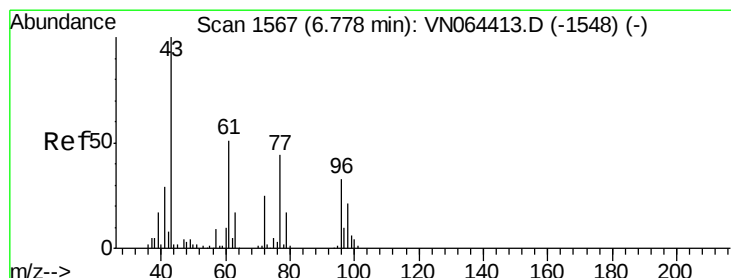
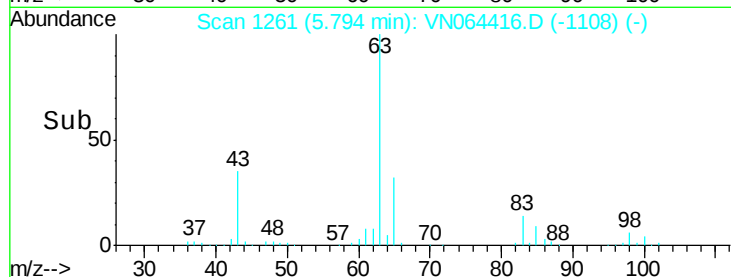
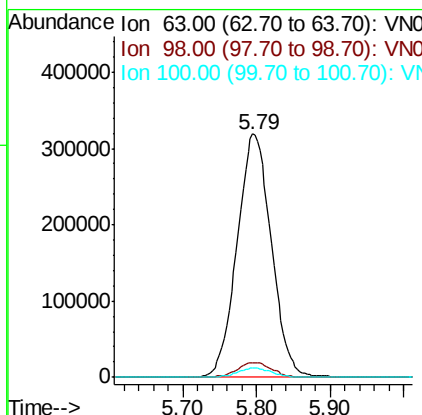
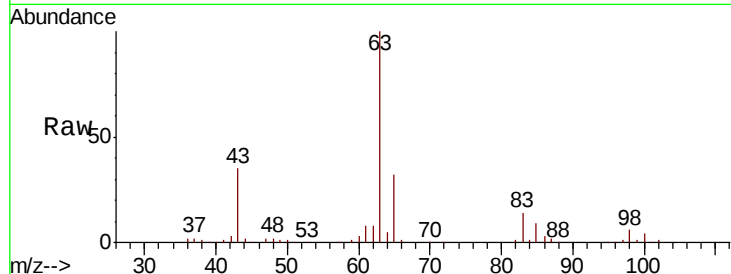




#21
 1,1-Dichloroethane
 Concen: 138.705 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: VN064416.D
 Acq: 2 Nov 2020 15:24

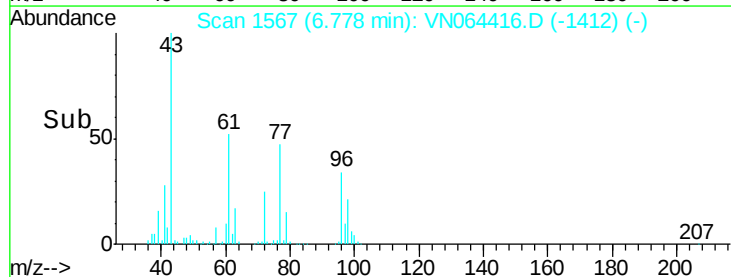
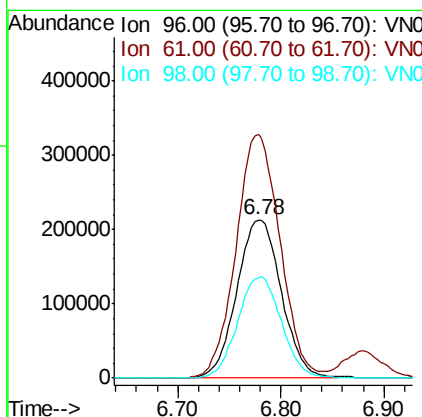
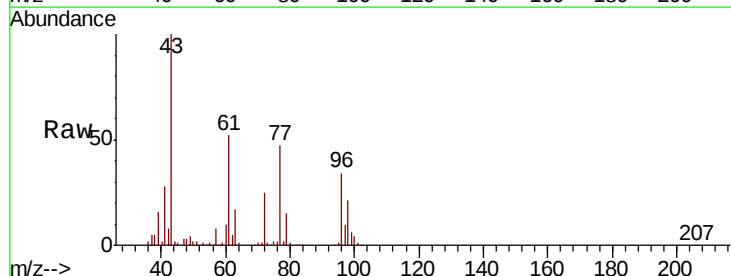
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

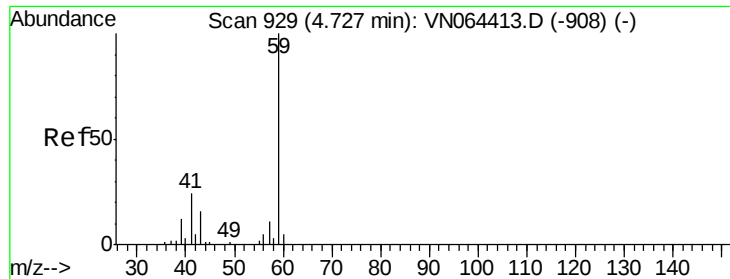
Tot Ion: 63 Resp: 1032879
 Ion Ratio Lower Upper
 63 100
 98 6.1 2.9 8.8
 100 3.7 1.5 4.5



#22
 cis-1,2-Dichloroethene
 Concen: 145.557 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN064416.D
 Acq: 2 Nov 2020 15:24

Tgt Ion: 96 Resp: 635947
 Ion Ratio Lower Upper
 96 100
 61 153.1 122.3 183.5
 98 63.5 49.6 74.4



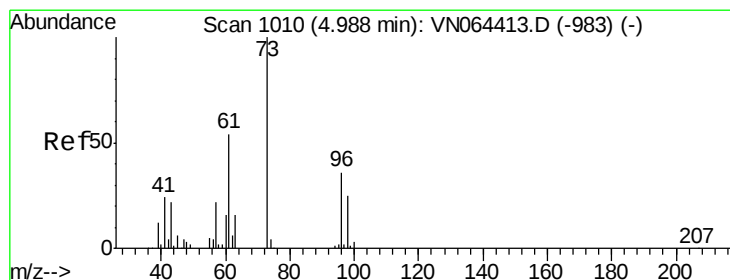
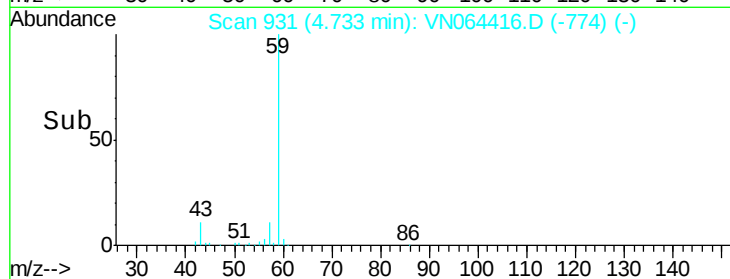
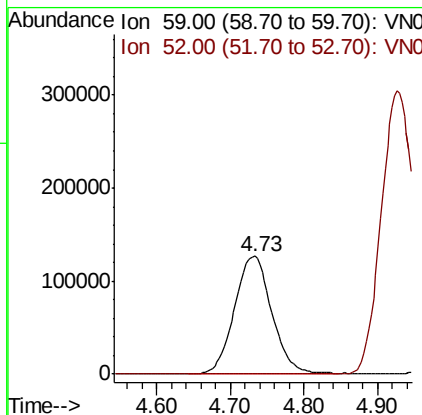
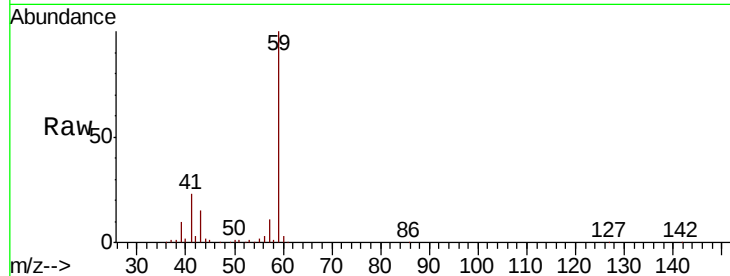


#23

tert-Butyl Alcohol
 Concen: 569.581 ug/l
 RT: 4.73 min Scan# 931
 Delta R.T. 0.01 min
 Lab File: VN064416.D
 Acq: 2 Nov 2020 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

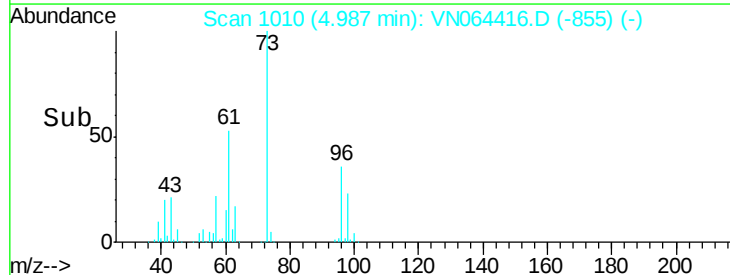
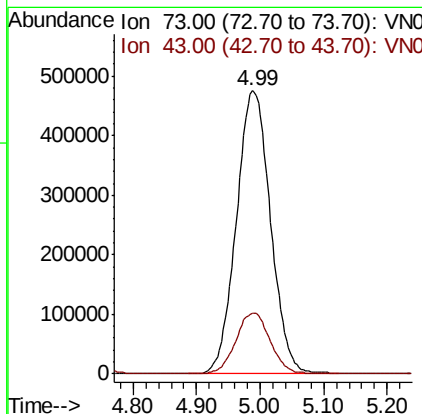
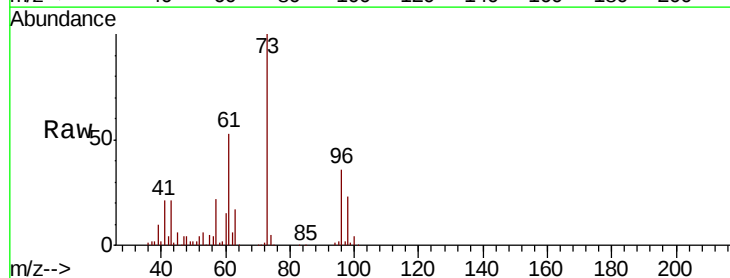
Tot Ion: 59 Resp: 449787
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0#

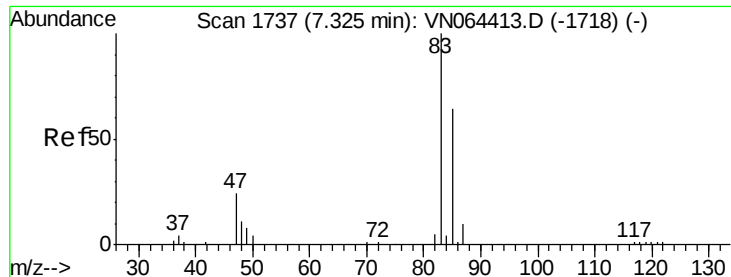


#24

Methyl tert-Butyl Ether
 Concen: 137.421 ug/l
 RT: 4.99 min Scan# 1010
 Delta R.T. -0.00 min
 Lab File: VN064416.D
 Acq: 2 Nov 2020 15:24

Tgt Ion: 73 Resp: 1776707
 Ion Ratio Lower Upper
 73 100
 43 21.4 6.8 10.2#

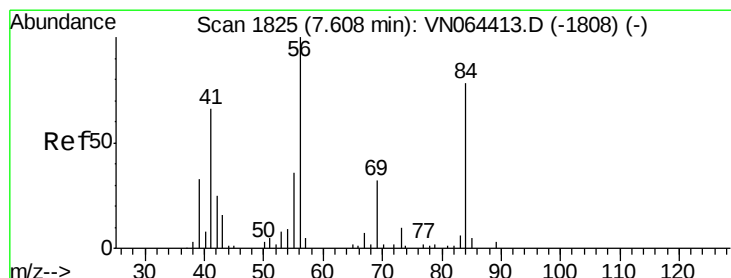
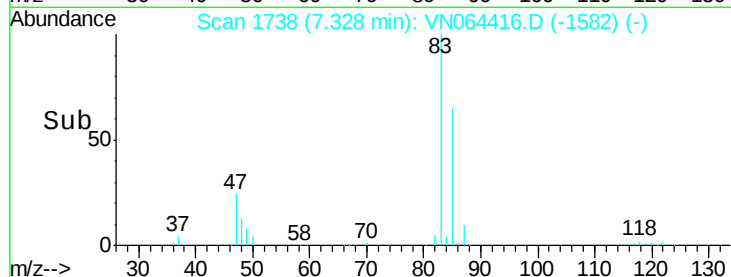
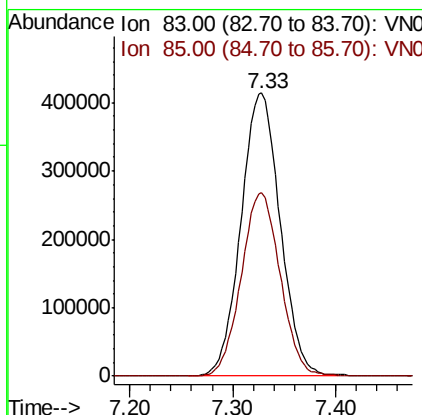
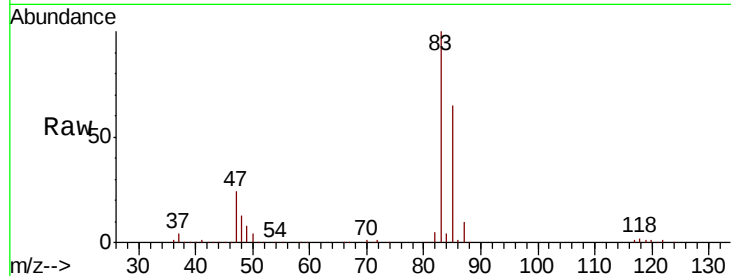




#25
Chloroform
Concen: 141.502 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

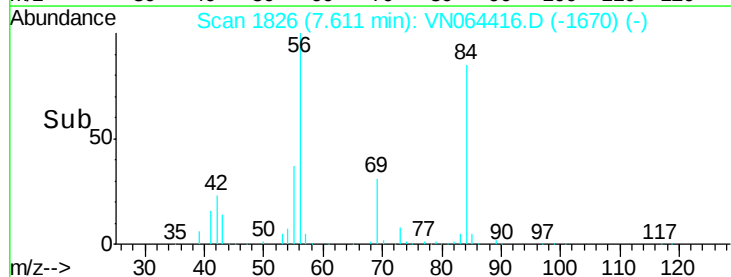
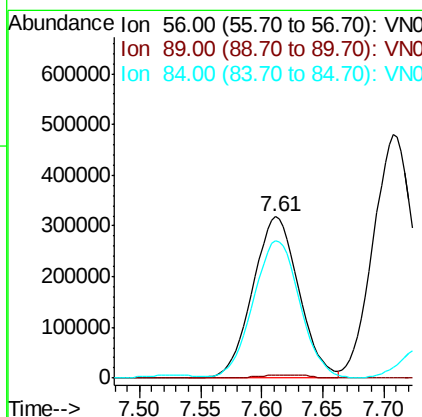
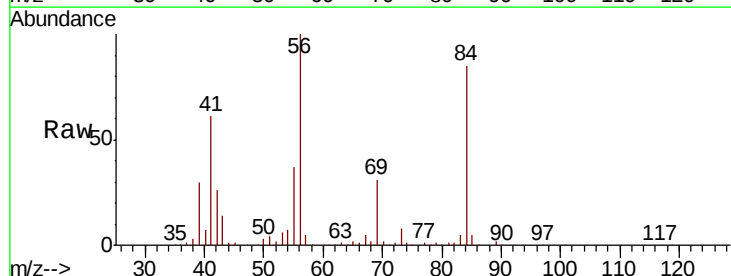
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

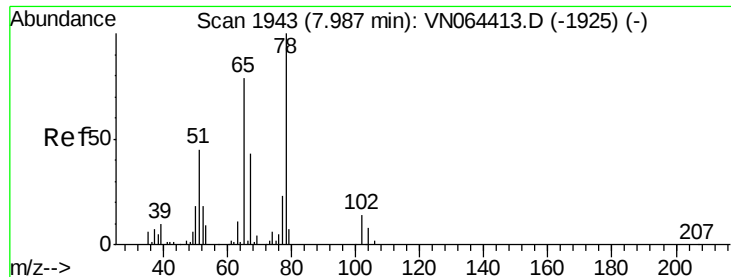
Tot Ion: 83 Resp: 1093389
Ion Ratio Lower Upper
83 100
85 64.9 51.0 76.4



#26
Cyclohexane
Concen: 138.263 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Tgt Ion: 56 Resp: 837343
Ion Ratio Lower Upper
56 100
89 2.2 2.3 3.5#
84 84.7 69.4 104.0





#27

1,2-Dichloroethane-d4

Concen: 25.269 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

Instrument :

MSVOA_N

ClientSampleId :

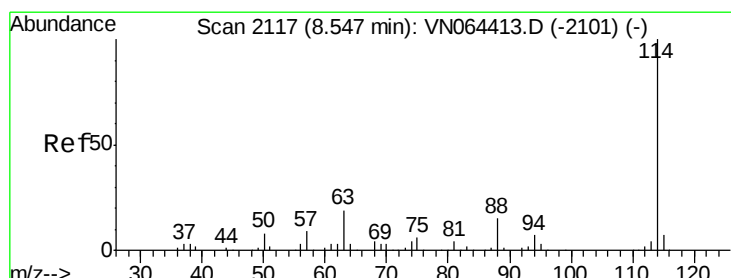
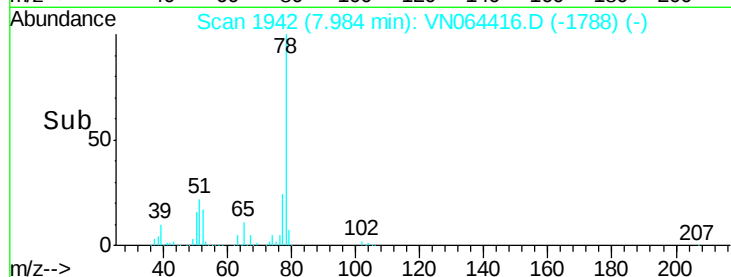
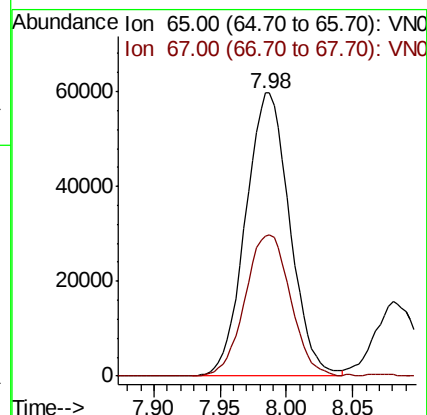
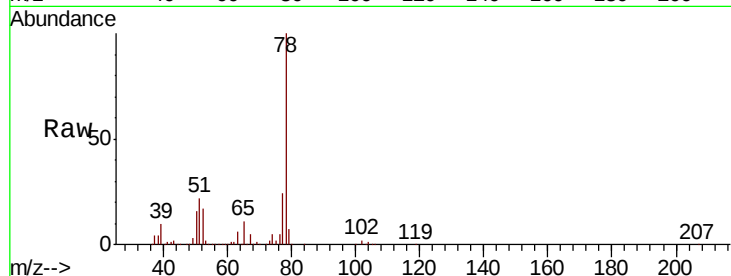
VSTDIC150

Tot Ion: 65 Resp: 138387

Ion Ratio Lower Upper

65 100

67 51.3 40.6 61.0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

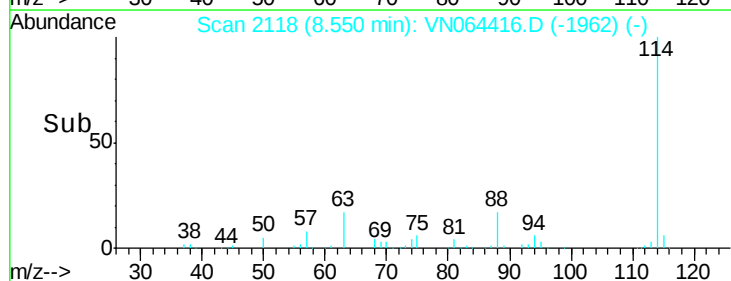
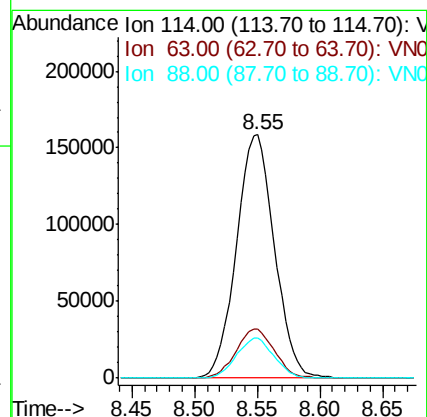
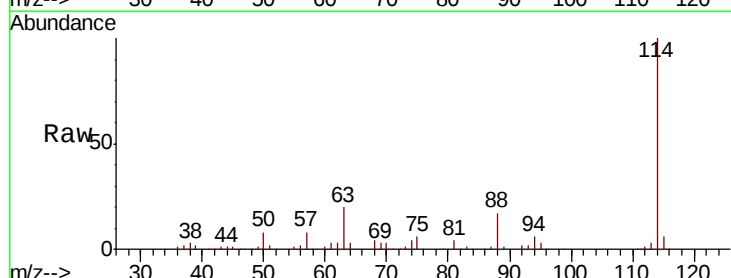
Tgt Ion: 114 Resp: 333843

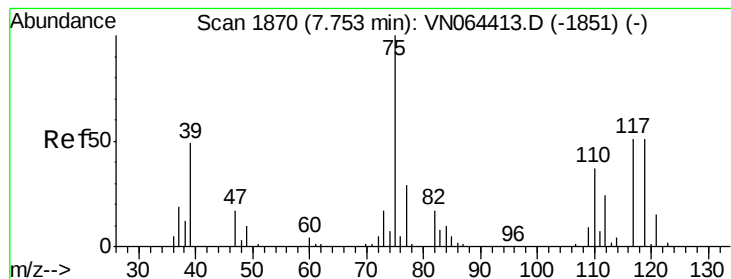
Ion Ratio Lower Upper

114 100

63 20.3 16.2 24.4

88 16.3 12.6 19.0





#29

1,1-Dichloropropene

Concen: 145.858 ug/l

RT: 7.75 min Scan# 1870

Delta R.T. -0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

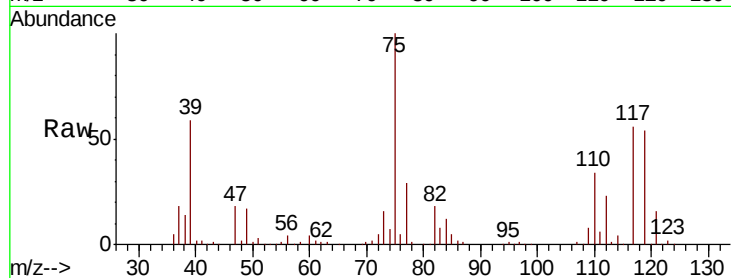
Tot Ion: 75 Resp: 825353

Ion Ratio Lower Upper

75 100

110 33.8 0.0 71.8

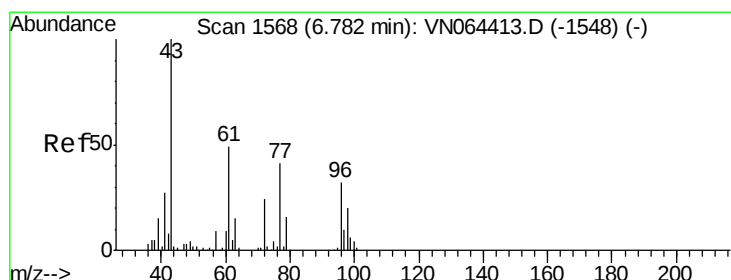
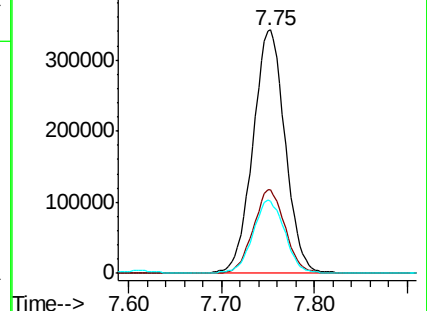
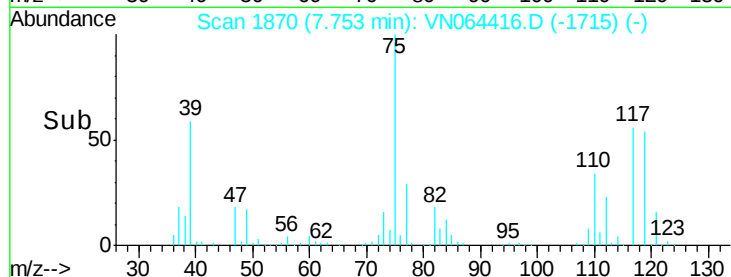
77 29.9 0.0 32.4



Abundance Ion 75.00 (74.70 to 75.70): VN064416.D (-1715) (-)

Ion 110.00 (109.70 to 110.70): VN064416.D (-1715) (-)

Ion 77.00 (76.70 to 77.70): VN064416.D (-1715) (-)



#30

2-Butanone

Concen: 683.083 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

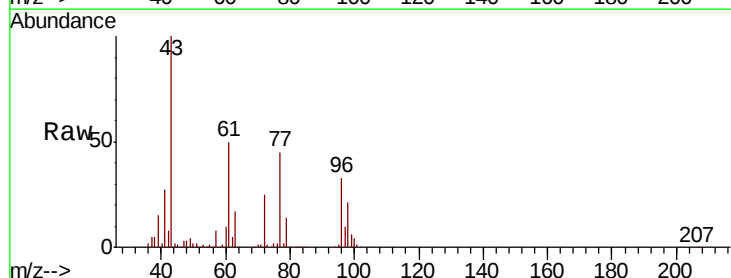
Tgt Ion: 43 Resp: 1833322

Ion Ratio Lower Upper

43 100

57 8.1 6.6 9.8

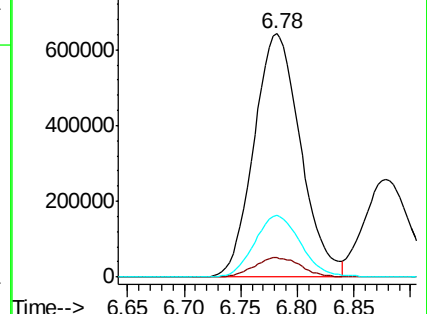
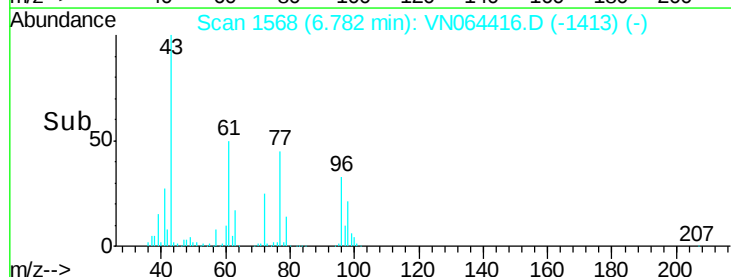
72 25.4 20.0 30.0

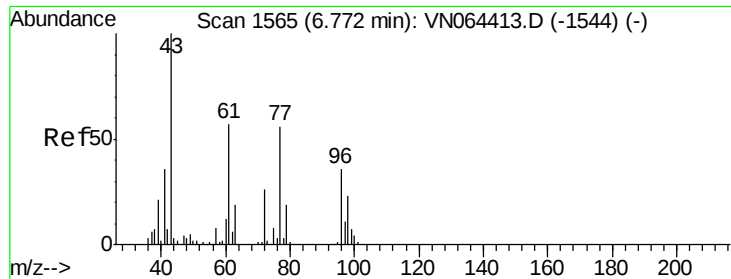


Abundance Ion 43.00 (42.70 to 43.70): VN064416.D (-1413) (-)

Ion 57.00 (56.70 to 57.70): VN064416.D (-1413) (-)

Ion 72.00 (71.70 to 72.70): VN064416.D (-1413) (-)

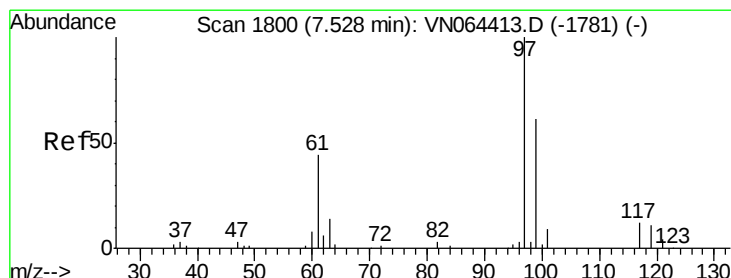
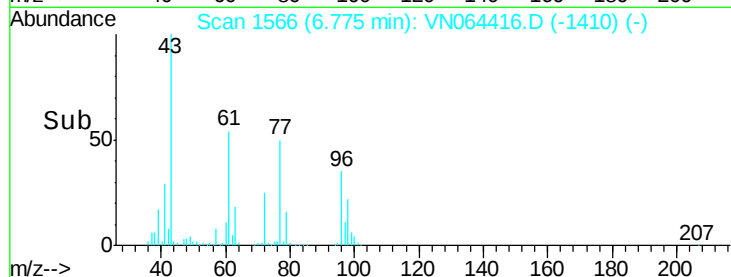
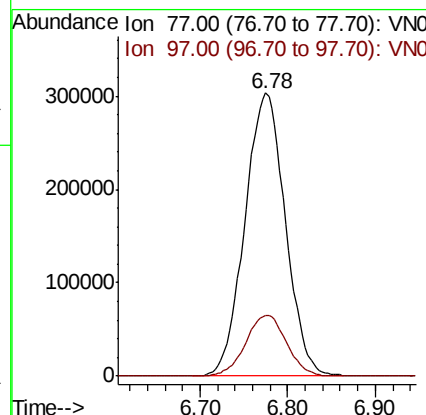
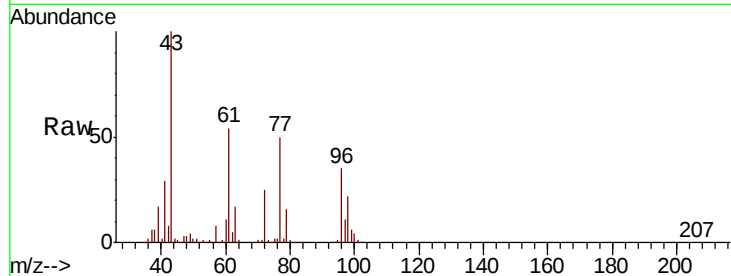




#31
 2,2-Dichloropropane
 Concen: 142.225 ug/l
 RT: 6.78 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN064416.D
 Acq: 2 Nov 2020 15:24

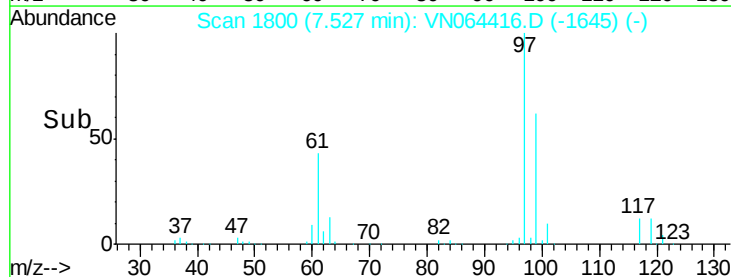
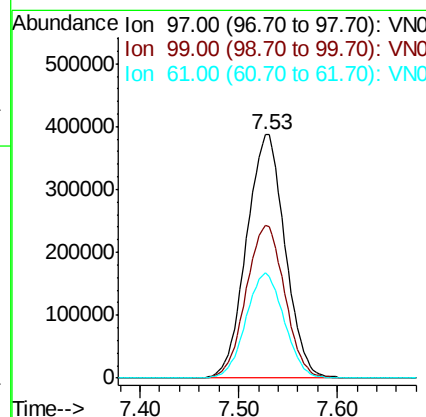
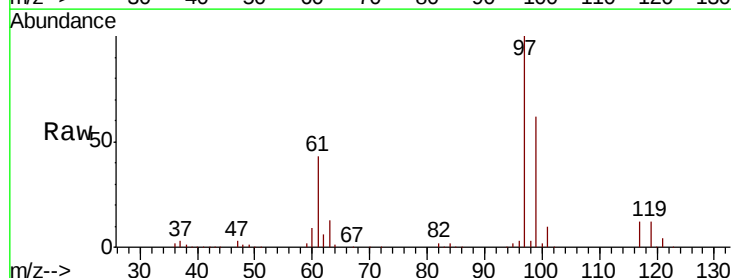
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

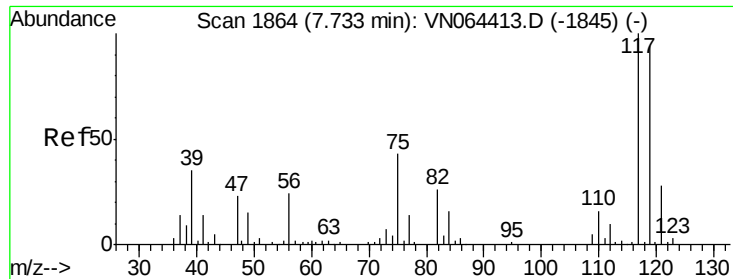
Tot Ion: 77 Resp: 970875
 Ion Ratio Lower Upper
 77 100
 97 21.7 17.4 26.0



#32
 1,1,1-Trichloroethane
 Concen: 145.845 ug/l
 RT: 7.53 min Scan# 1800
 Delta R.T. -0.00 min
 Lab File: VN064416.D
 Acq: 2 Nov 2020 15:24

Tgt Ion: 97 Resp: 1045586
 Ion Ratio Lower Upper
 97 100
 99 62.8 49.8 74.8
 61 42.9 34.9 52.3

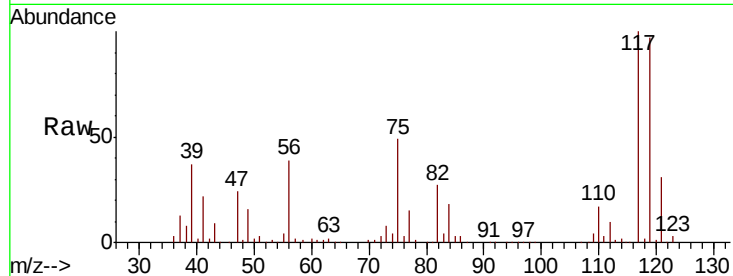




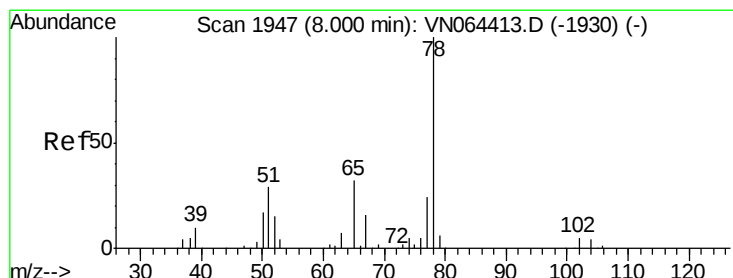
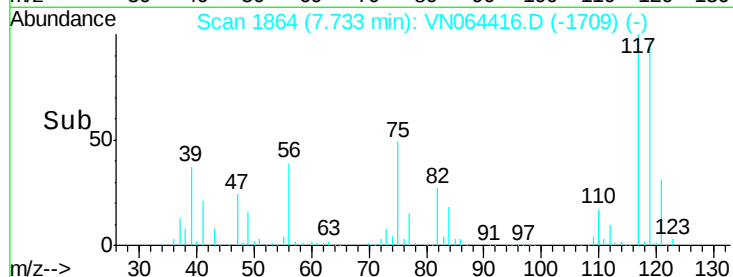
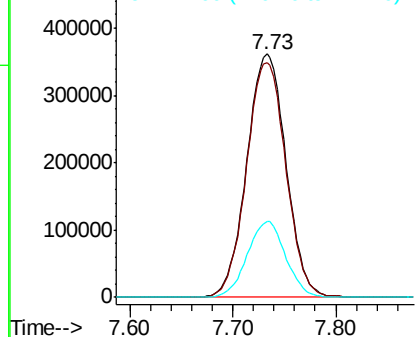
#33
Carbon Tetrachloride
Concen: 145.705 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:117 Resp: 953721
Ion Ratio Lower Upper
117 100
119 96.6 75.0 112.4
121 31.0 22.1 33.1

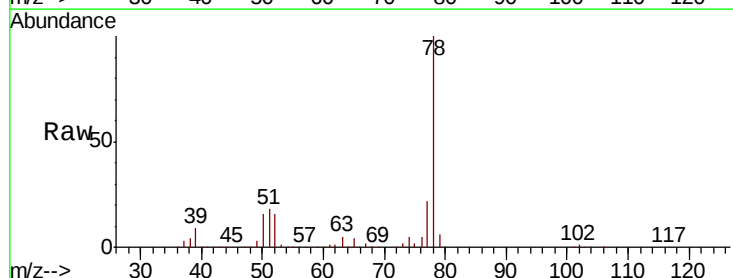


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

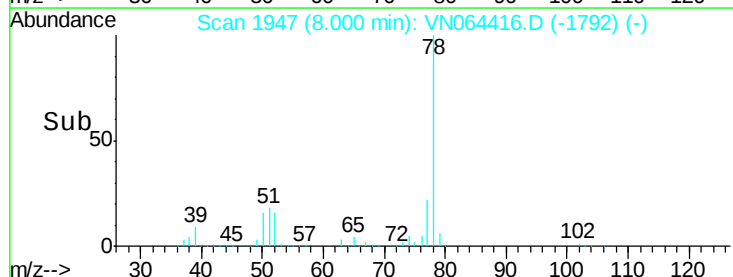
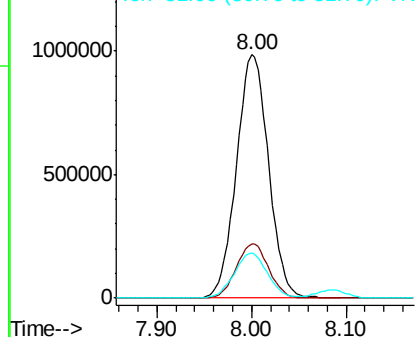


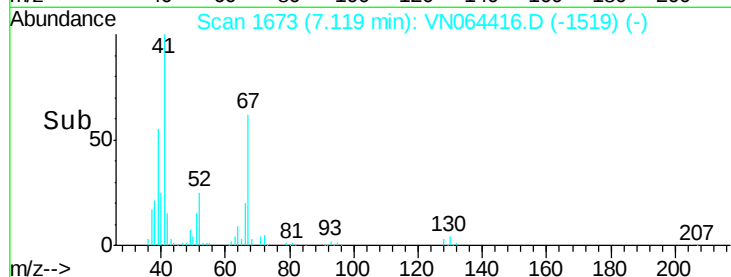
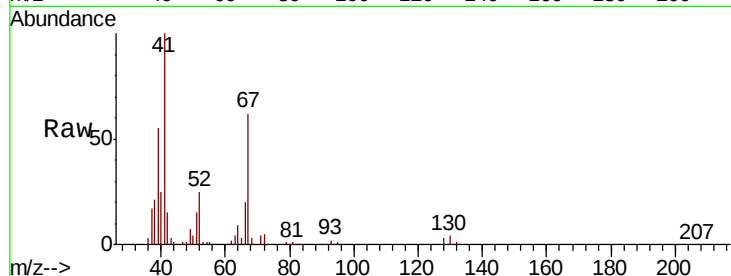
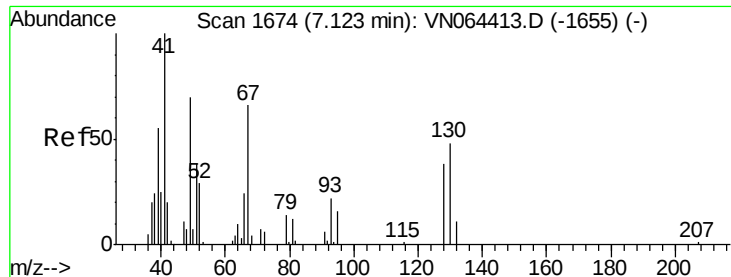
#34
Benzene
Concen: 151.481 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Tgt Ion: 78 Resp: 2328738
Ion Ratio Lower Upper
78 100
77 22.2 19.0 28.4
51 18.4 23.1 34.7#



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

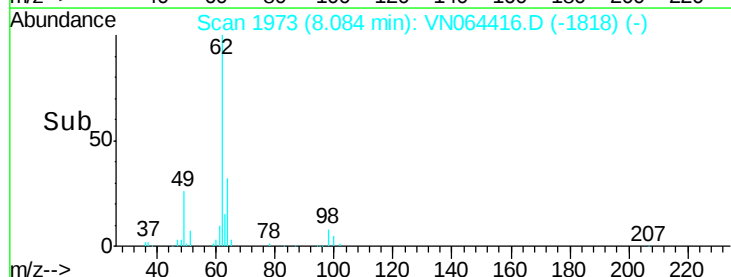
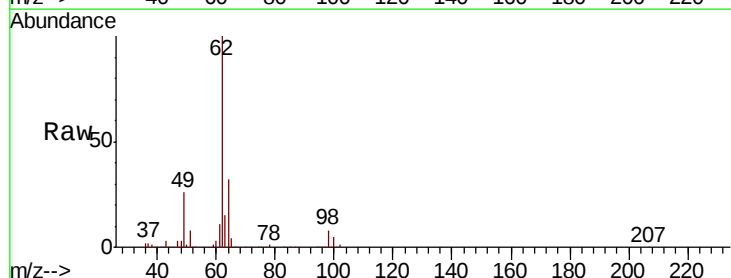
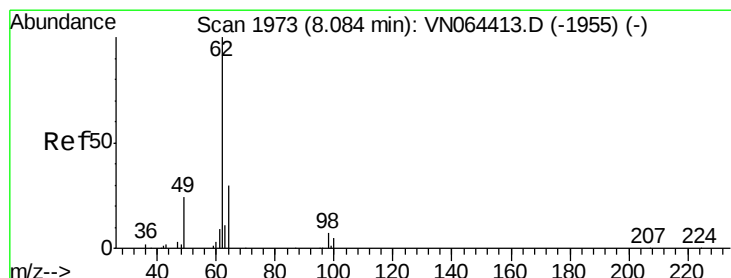
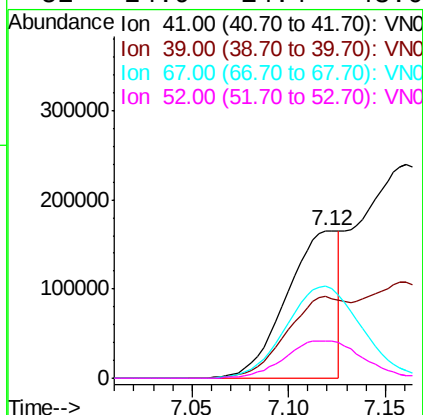




#35
Methacrylonitrile
Concen: 112.184 ug/l
RT: 7.12 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

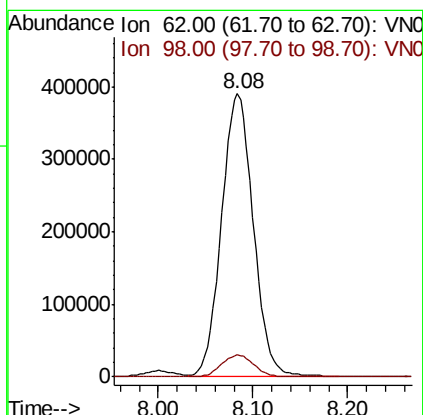
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

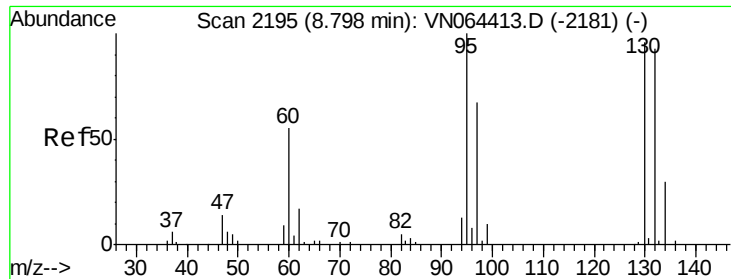
Tot Ion:	41	Resp:	306300
Ion	Ratio	Lower	Upper
41	100		
39	55.4	27.8	83.3
67	62.1	32.9	98.6
52	24.9	14.4	43.0



#36
1,2-Dichloroethane
Concen: 134.482 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Tgt Ion:	62	Resp:	906698
Ion	Ratio	Lower	Upper
62	100		
98	7.9	6.2	9.2

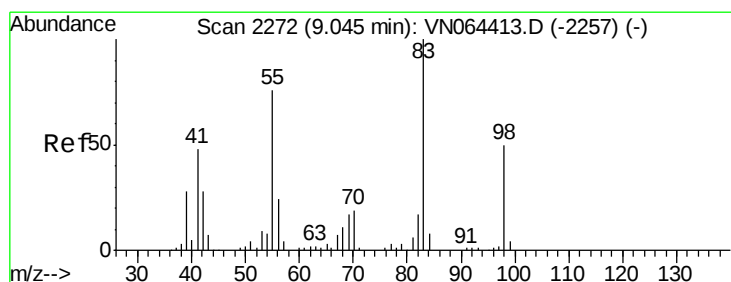
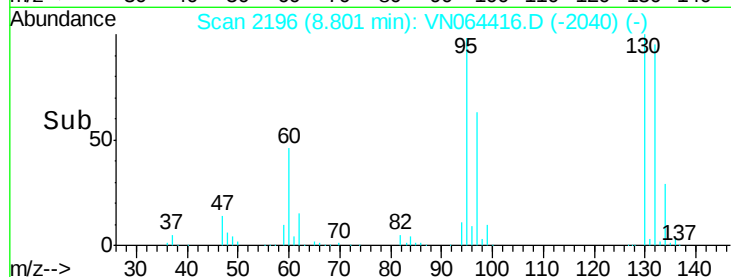
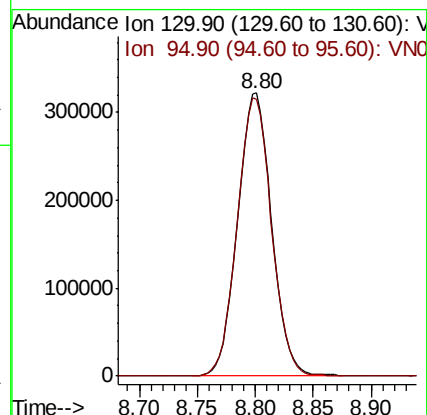
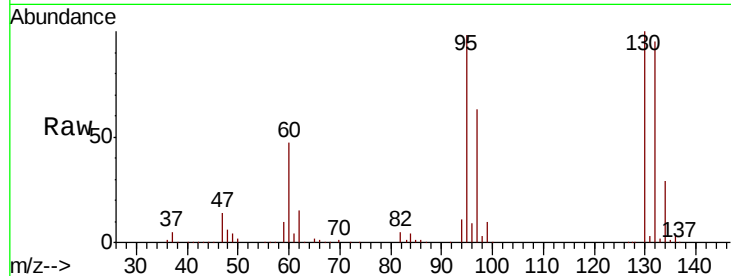




#37
 Trichloroethene
 Concen: 155.593 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN064416.D
 Acq: 2 Nov 2020 15:24

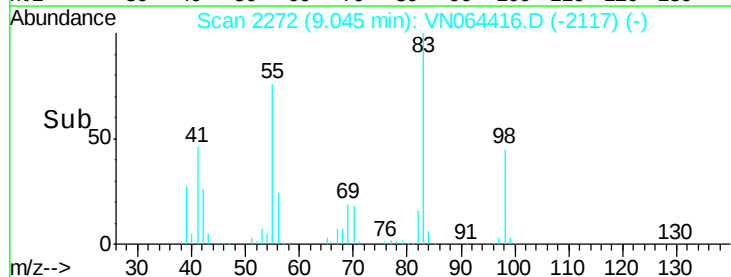
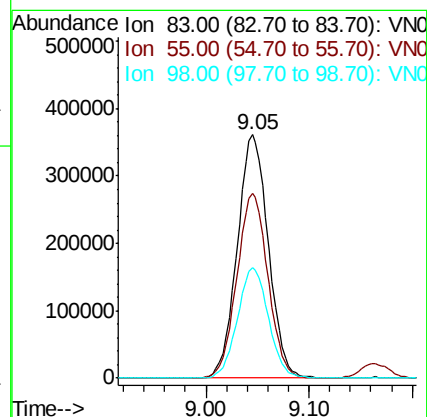
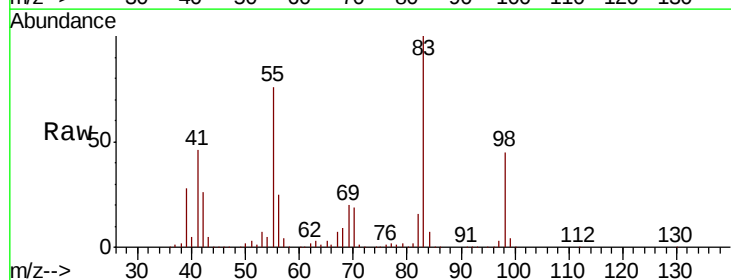
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

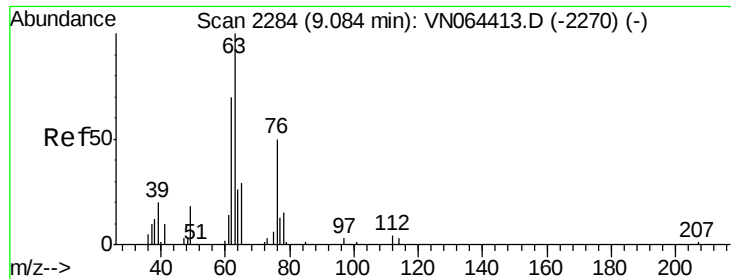
Tot Ion:130 Resp: 654480
 Ion Ratio Lower Upper
 130 100
 95 98.0 83.6 125.4



#38
 Methylcyclohexane
 Concen: 139.175 ug/l
 RT: 9.05 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN064416.D
 Acq: 2 Nov 2020 15:24

Tgt Ion: 83 Resp: 758212
 Ion Ratio Lower Upper
 83 100
 55 76.1 38.3 114.9
 98 45.3 24.6 74.0

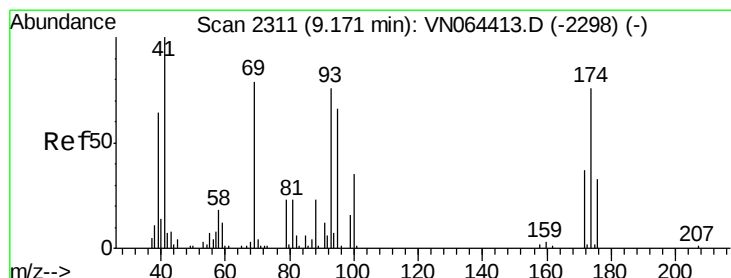
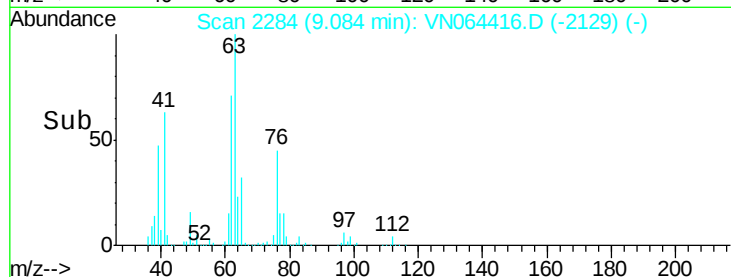
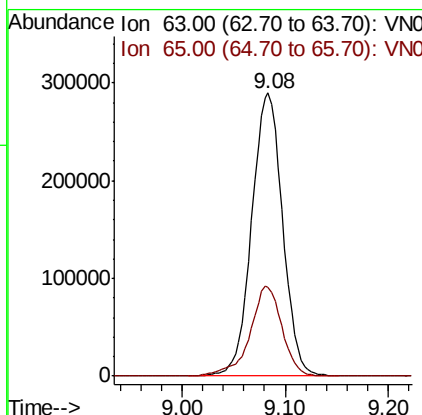
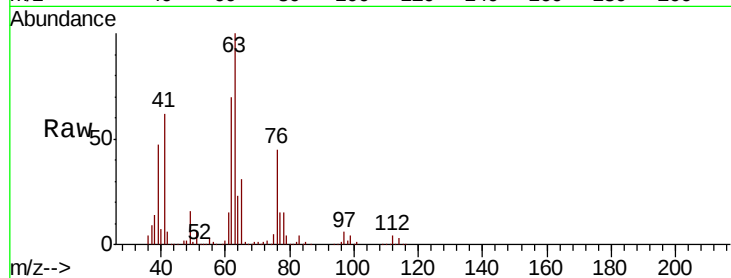




#39
 1,2-Dichloropropane
 Concen: 147.240 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064416.D
 Acq: 2 Nov 2020 15:24

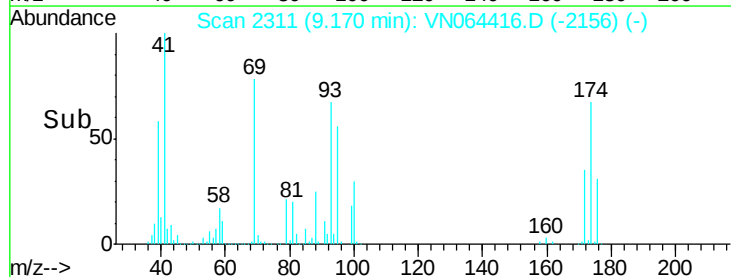
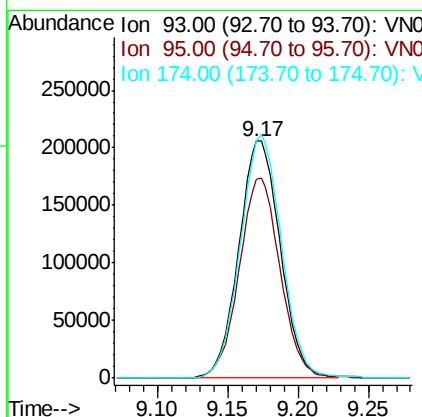
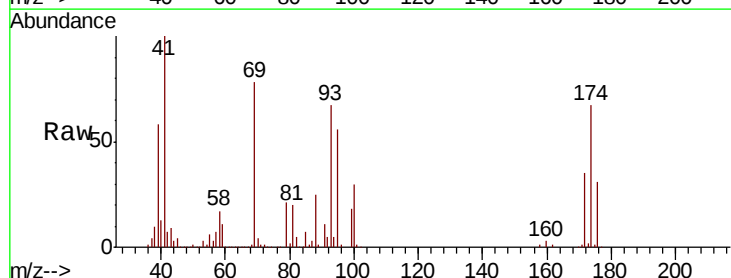
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

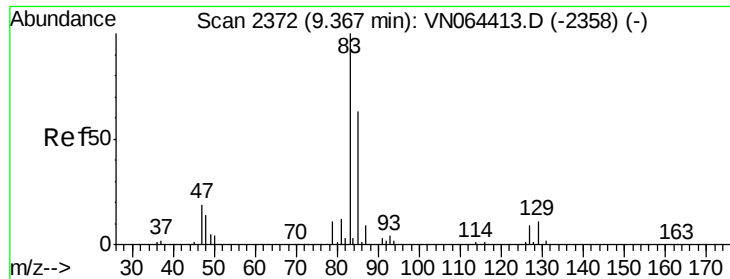
Tot Ion: 63 Resp: 601044
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.0 37.6



#40
 Dibromomethane
 Concen: 147.728 ug/l
 RT: 9.17 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN064416.D
 Acq: 2 Nov 2020 15:24

Tgt Ion: 93 Resp: 424342
 Ion Ratio Lower Upper
 93 100
 95 83.3 0.0 170.0
 174 101.8 0.0 199.8





#41

Bromodichloromethane

Concen: 146.692 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

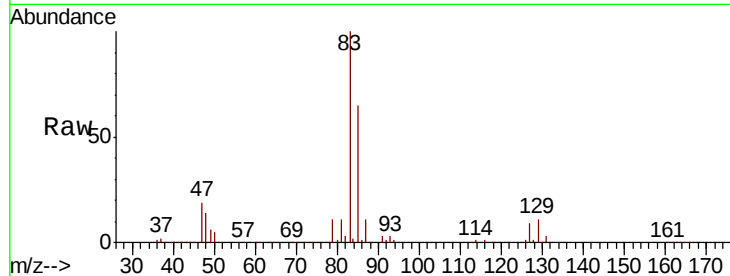
Tot Ion: 83 Resp: 908508

Ion Ratio Lower Upper

83 100

85 65.4 50.5 75.7

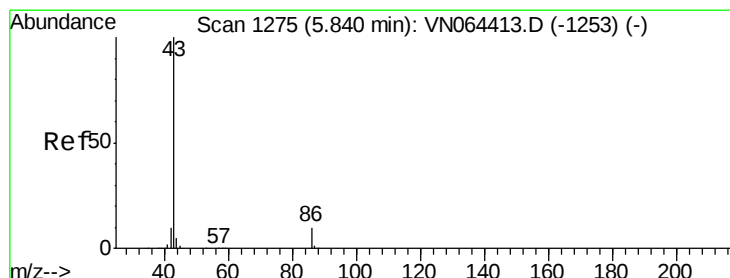
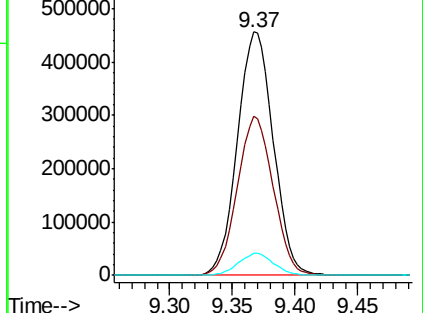
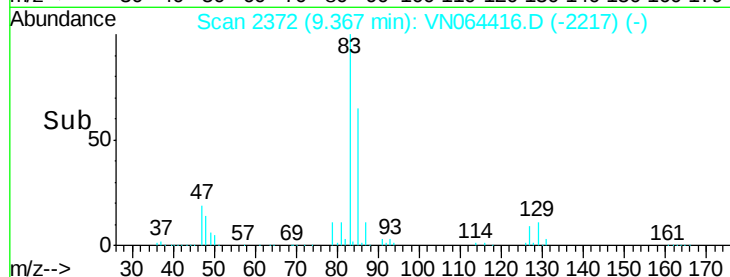
127 8.9 7.0 10.6



Abundance Ion 83.00 (82.70 to 83.70): VN064416.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN064416.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN064416.D (-2217) (-)



#42

Vinyl Acetate

Concen: 707.181 ug/l

RT: 5.84 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN064416.D

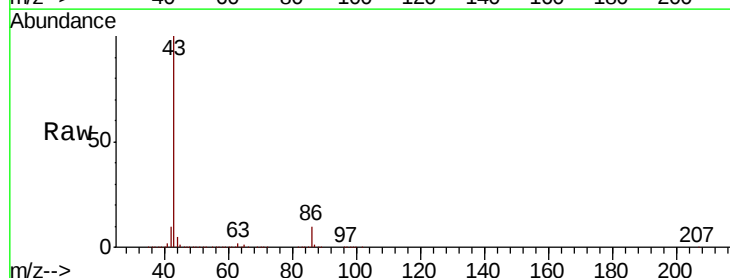
Acq: 2 Nov 2020 15:24

Tgt Ion: 43 Resp: 7984978

Ion Ratio Lower Upper

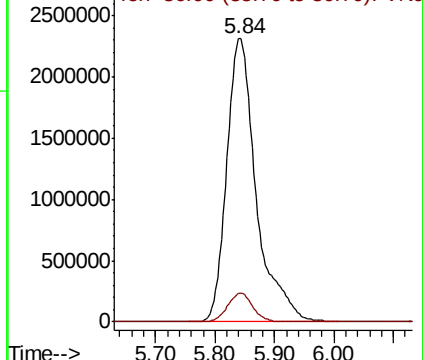
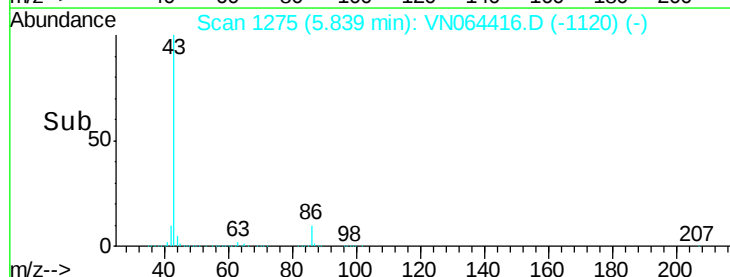
43 100

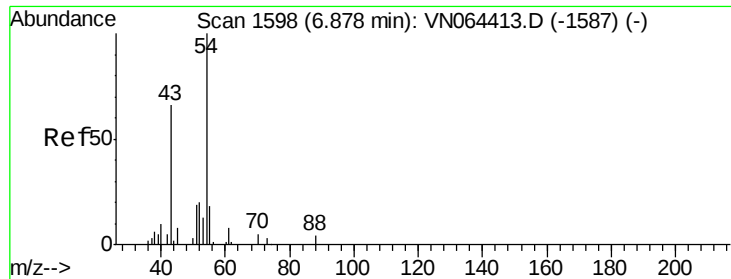
86 8.6 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN064416.D (-1120) (-)

Ion 86.00 (85.70 to 86.70): VN064416.D (-1120) (-)

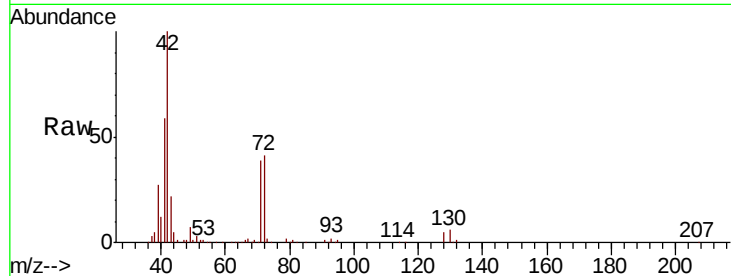




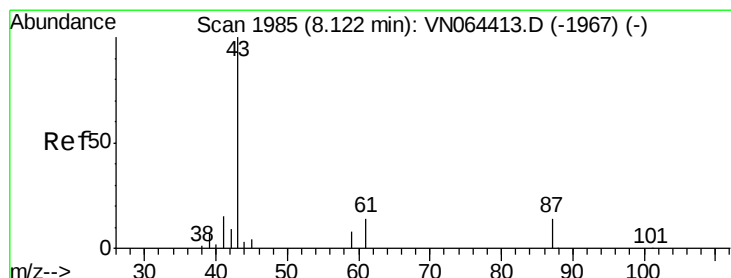
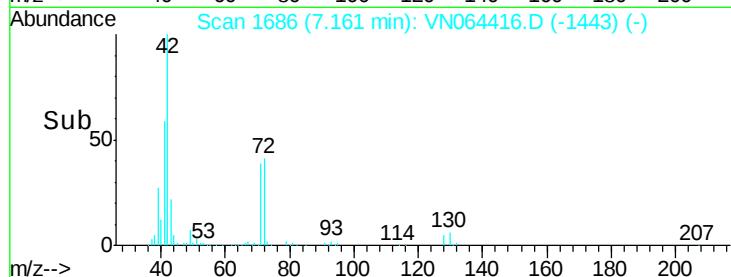
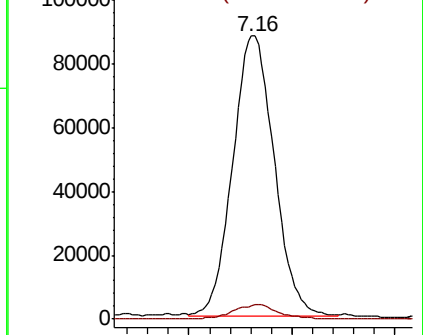
#43
Ethyl Acetate
Concen: 46.580 ug/l
RT: 7.16 min Scan# 1686
Delta R.T. 0.28 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tot Ion: 43 Resp: 244804
Ion Ratio Lower Upper
43 100
45 5.7 5.2 7.8

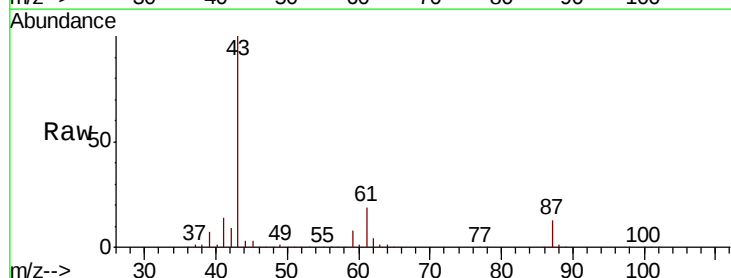


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 45.00 (44.70 to 45.70): VN0

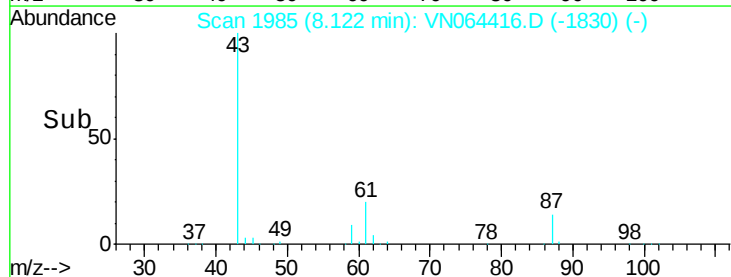
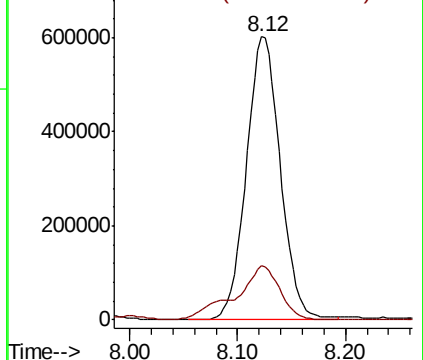


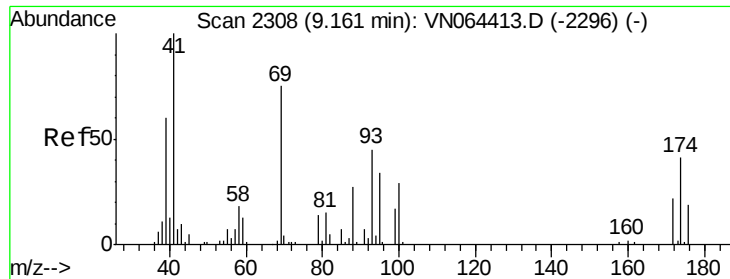
#44
Isopropyl Acetate
Concen: 134.070 ug/l
RT: 8.12 min Scan# 1985
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Tgt Ion: 43 Resp: 1313585
Ion Ratio Lower Upper
43 100
61 18.7 0.2 0.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0

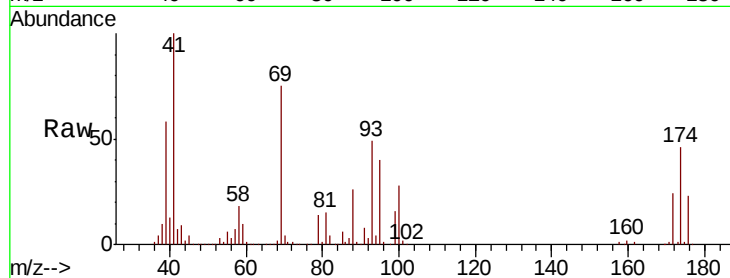




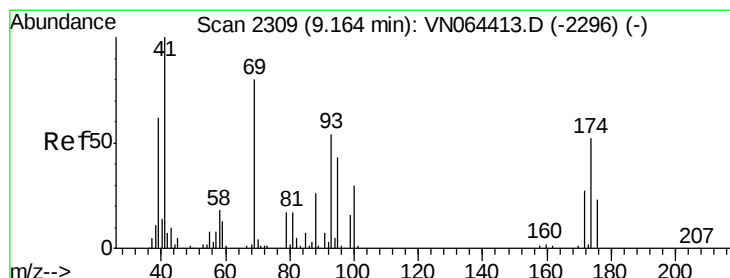
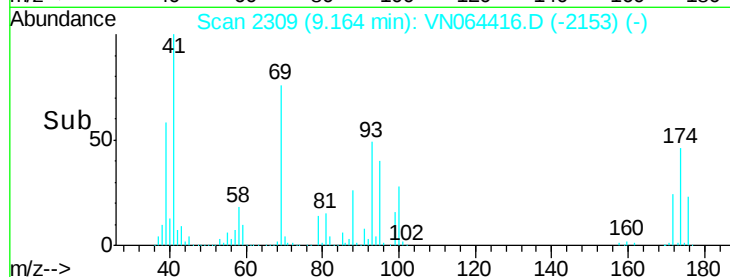
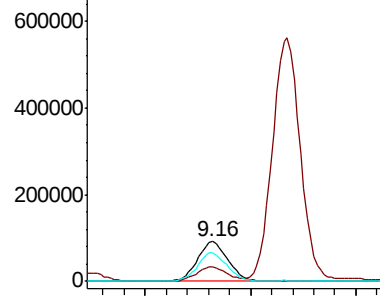
#45
 1,4-Dioxane
 Concen: 2487.813 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN064416.D
 Acq: 2 Nov 2020 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 88 Resp: 184917
 Ion Ratio Lower Upper
 88 100
 43 35.1 32.0 48.0
 58 68.4 59.1 88.7

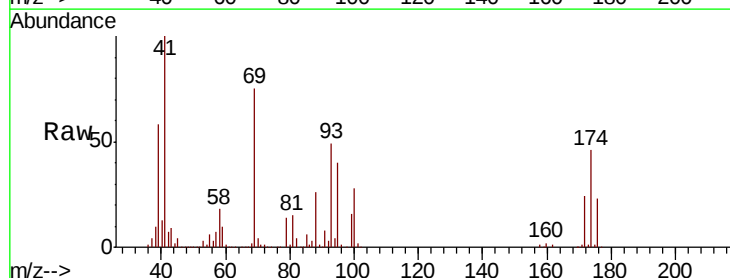


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

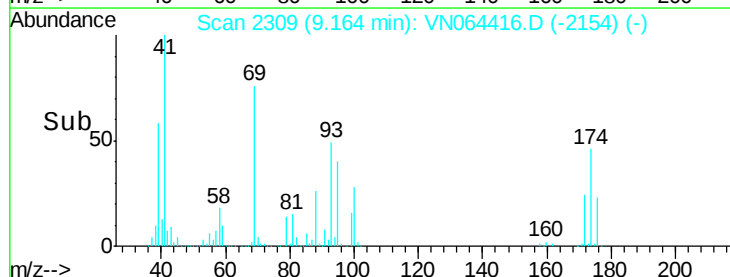
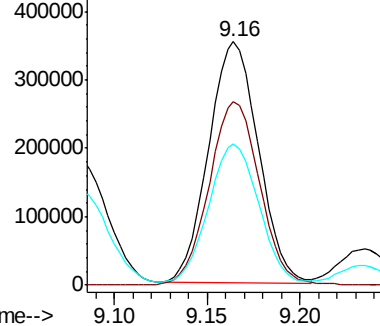


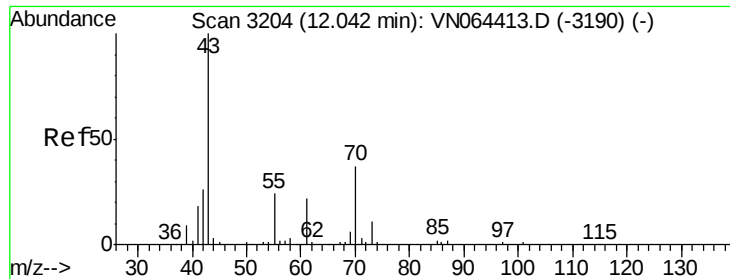
#46
 Methyl methacrylate
 Concen: 137.685 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN064416.D
 Acq: 2 Nov 2020 15:24

Tgt Ion: 41 Resp: 657147
 Ion Ratio Lower Upper
 41 100
 69 75.9 39.8 119.4
 39 57.6 30.5 91.5



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

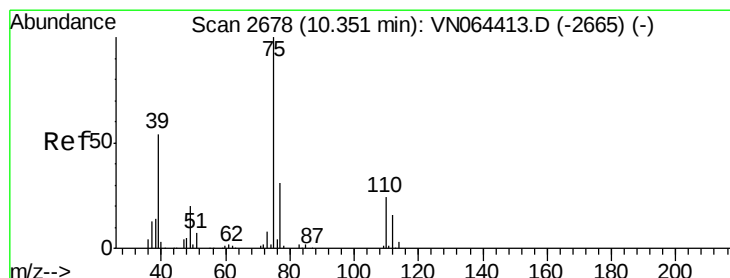
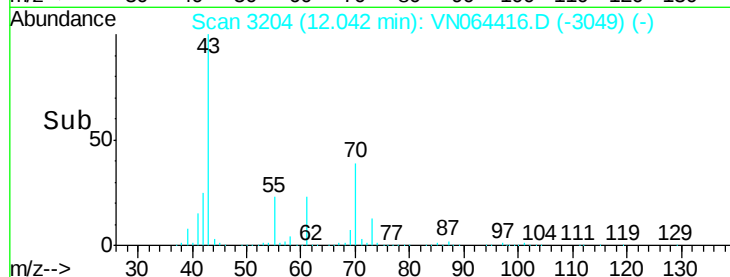
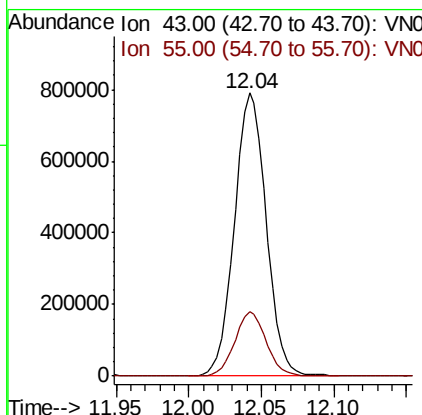
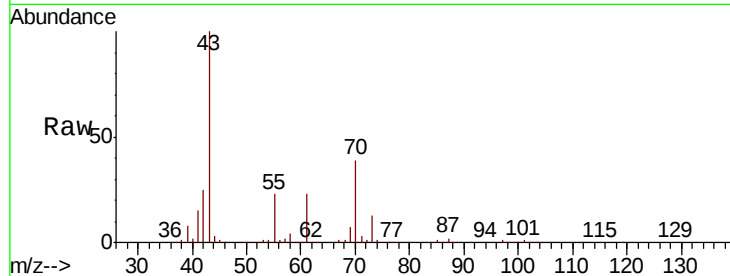




#47
n-amvl Acetate
Concen: 145.602 ug/l
RT: 12.04 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

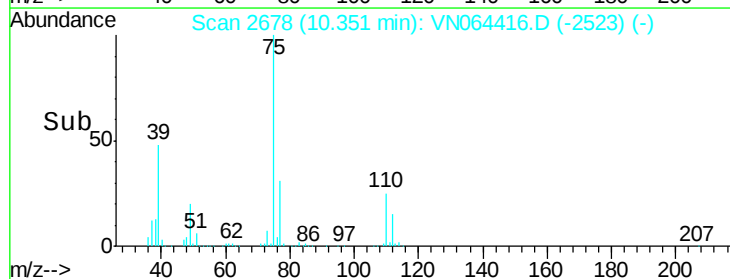
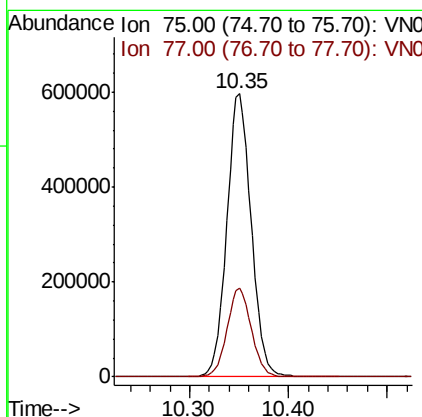
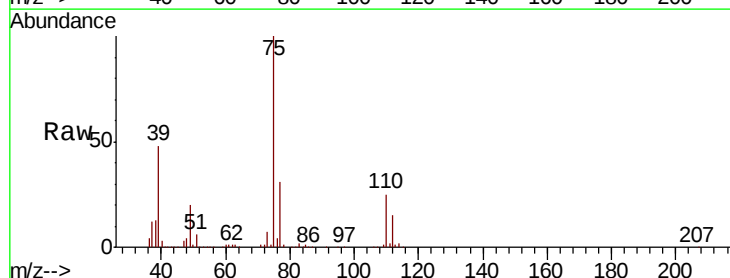
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

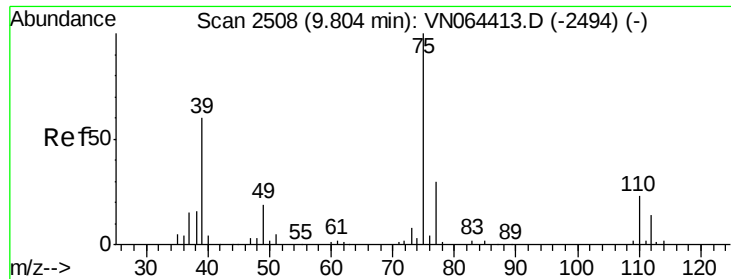
Tot Ion: 43 Resp: 1201055
Ion Ratio Lower Upper
43 100
55 22.5 18.1 27.1



#48
t-1,3-Dichloropropene
Concen: 150.210 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Tgt Ion: 75 Resp: 1032708
Ion Ratio Lower Upper
75 100
77 31.1 24.9 37.3



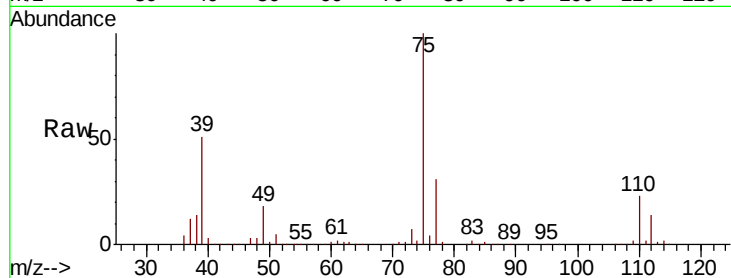


#49

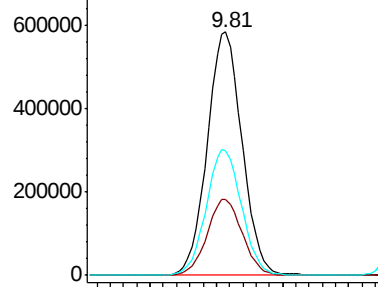
cis-1,3-Dichloropropene
Concen: 149.954 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

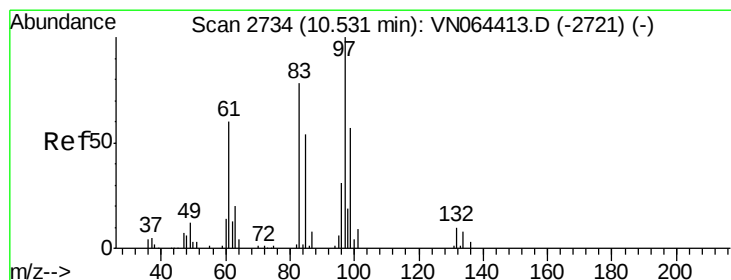
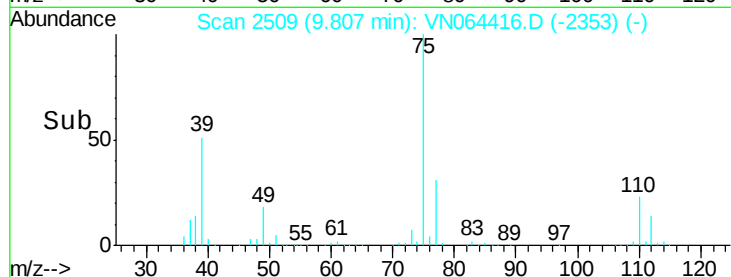
Tot Ion: 75 Resp: 1063483
Ion Ratio Lower Upper
75 100
77 31.2 24.3 36.5
39 51.0 48.0 72.0



Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 77.00 (76.70 to 77.70): VN0
Ion 39.00 (38.70 to 39.70): VN0



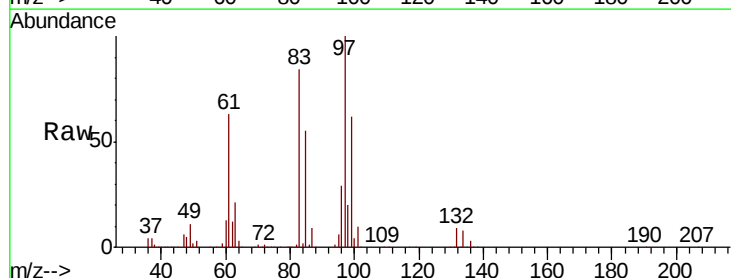
Time-->



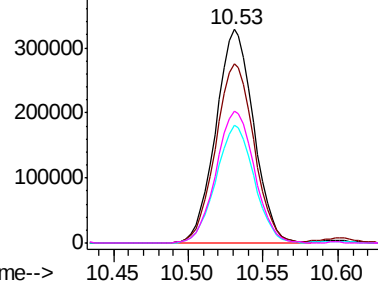
#50

1,1,2-Trichloroethane
Concen: 150.912 ug/l
RT: 10.53 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

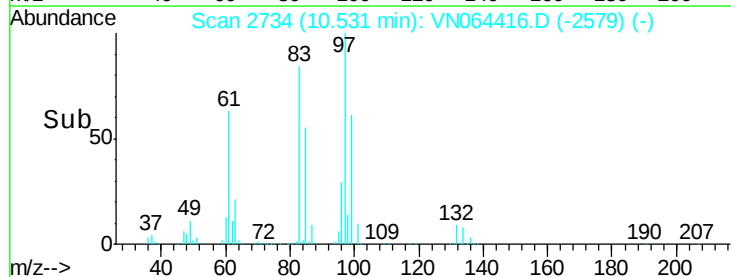
Tgt Ion: 97 Resp: 579547
Ion Ratio Lower Upper
97 100
83 84.2 62.4 93.6
85 55.1 42.9 64.3
99 61.5 45.7 68.5

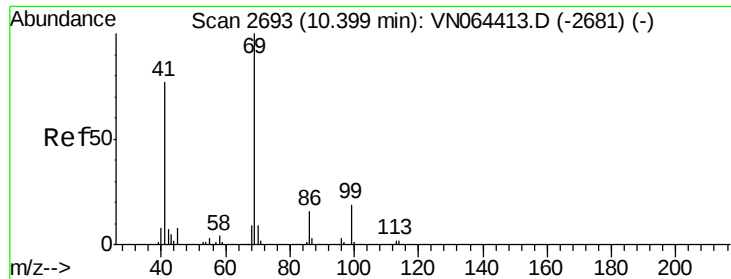


Abundance Ion 97.00 (96.70 to 97.70): VN0
Ion 82.95 (82.65 to 83.65): VN0
Ion 84.95 (84.65 to 85.65): VN0
Ion 98.95 (98.65 to 99.65): VN0



Time-->





#51

Ethyl methacrylate

Concen: 149.046 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

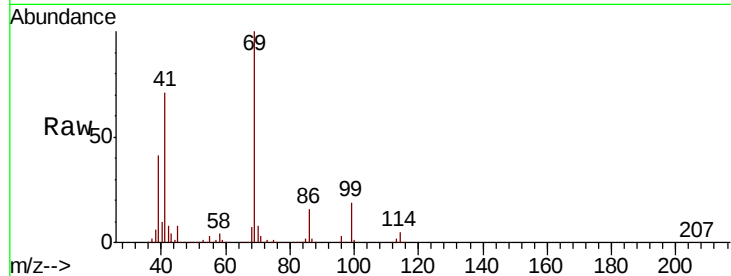
Tot Ion: 69 Resp: 878304

Ion Ratio Lower Upper

69 100

41 70.9 38.4 115.2

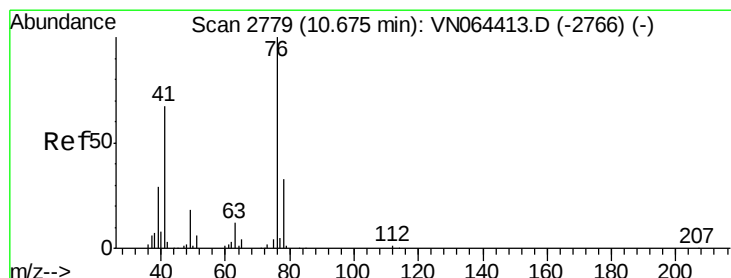
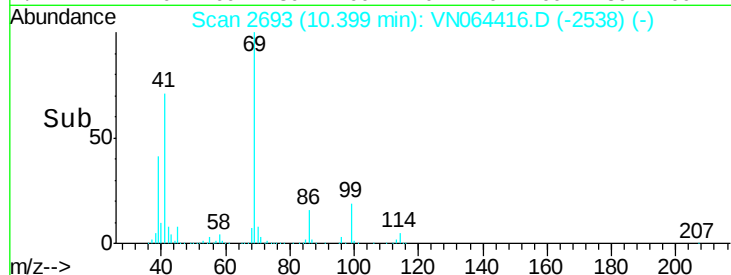
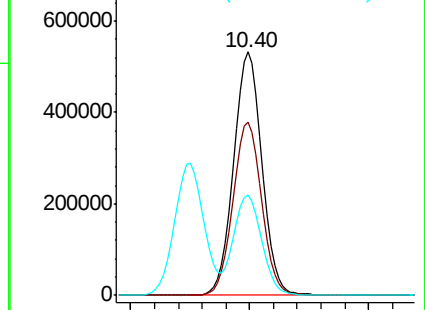
39 40.9 22.7 68.0



Abundance Ion 69.00 (68.70 to 69.70): VN064416.D (-2538) (-)

Ion 41.00 (40.70 to 41.70): VN064416.D (-2538) (-)

Ion 39.00 (38.70 to 39.70): VN064416.D (-2538) (-)



#52

1,3-Dichloropropane

Concen: 147.519 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN064416.D

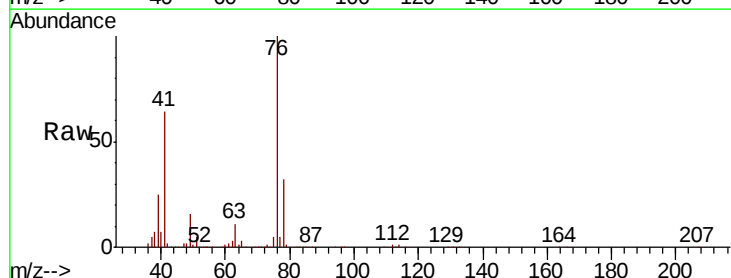
Acq: 2 Nov 2020 15:24

Tgt Ion: 76 Resp: 991461

Ion Ratio Lower Upper

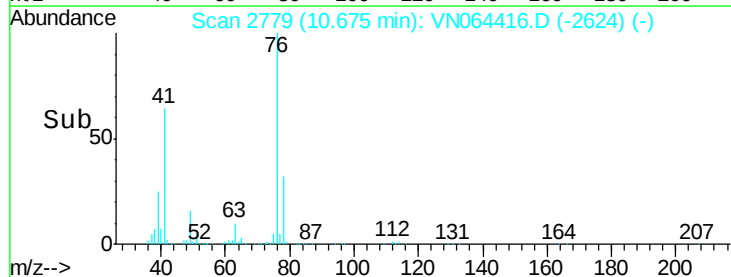
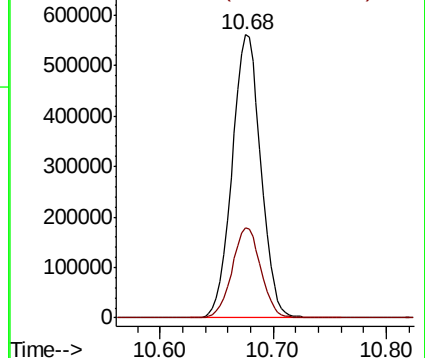
76 100

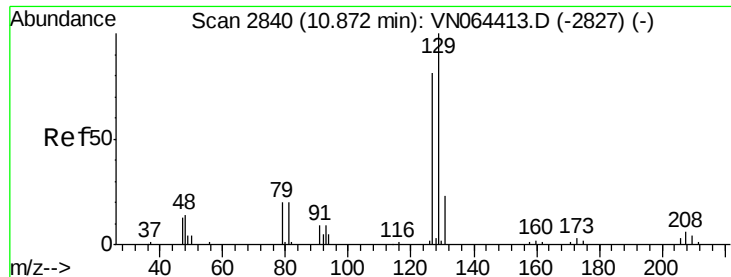
78 31.8 0.0 65.2



Abundance Ion 76.00 (75.70 to 76.70): VN064416.D (-2624) (-)

Ion 78.00 (77.70 to 78.70): VN064416.D (-2624) (-)





#53

Dibromochloromethane

Concen: 159.104 ug/l

RT: 10.87 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

Instrument :

MSVOA_N

ClientSampleId :

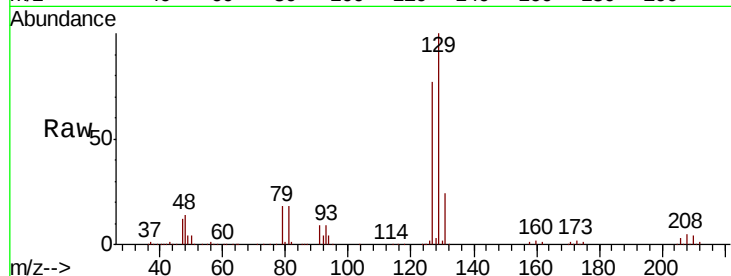
VSTDIC150

Tot Ion:129 Resp: 745062

Ion Ratio Lower Upper

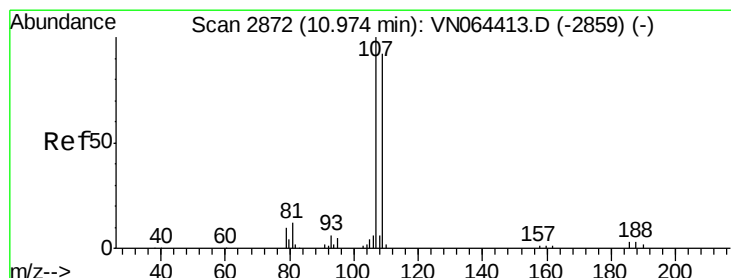
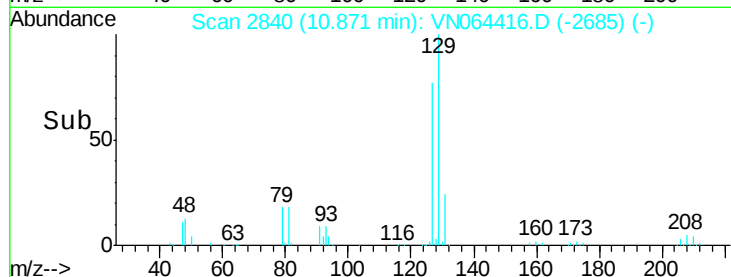
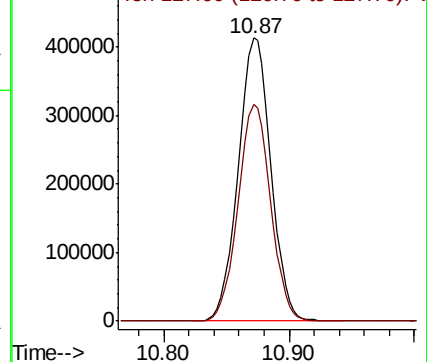
129 100

127 76.8 38.6 115.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 152.658 ug/l

RT: 10.97 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN064416.D

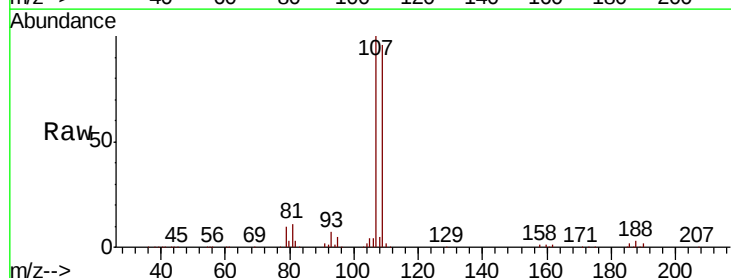
Acq: 2 Nov 2020 15:24

Tgt Ion:107 Resp: 625726

Ion Ratio Lower Upper

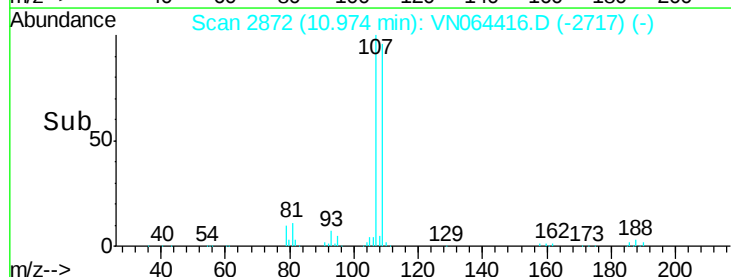
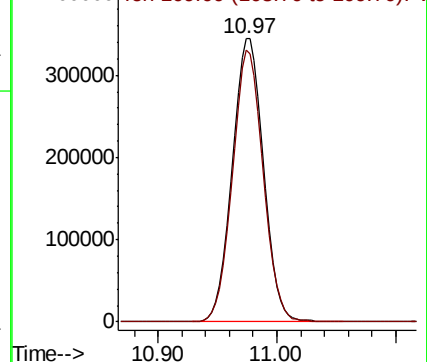
107 100

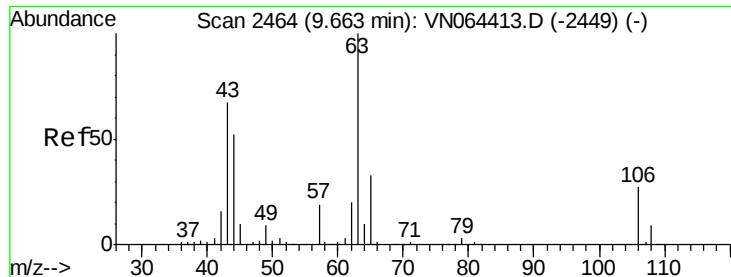
109 94.3 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

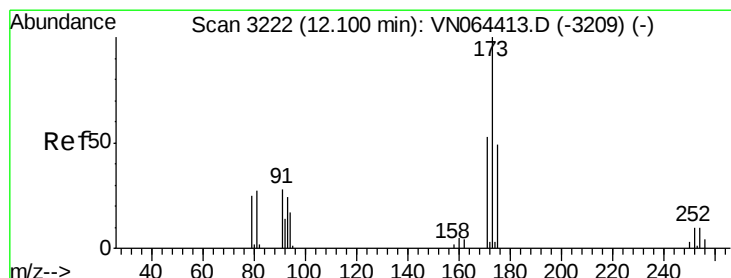
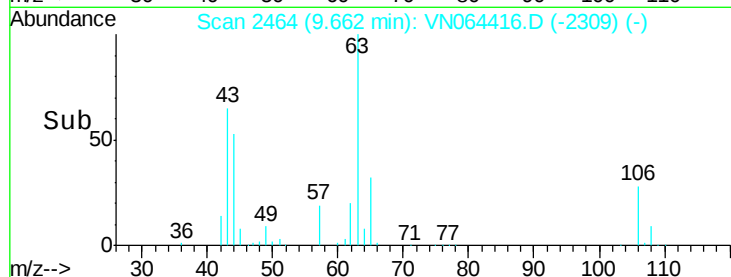
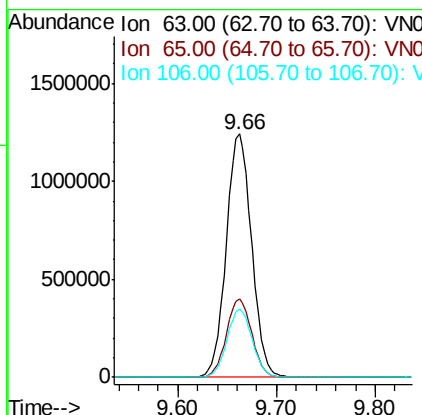
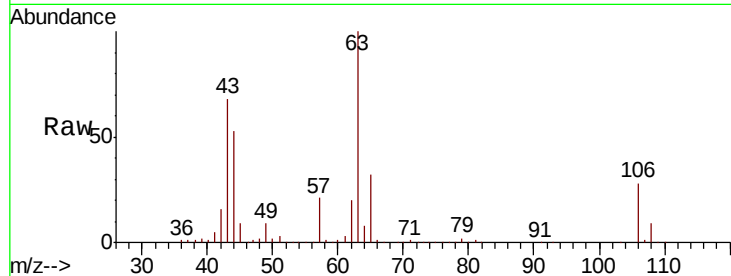




#55
2-Chloroethyl vinyl ether
Concen: 754.536 ug/l
RT: 9.66 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

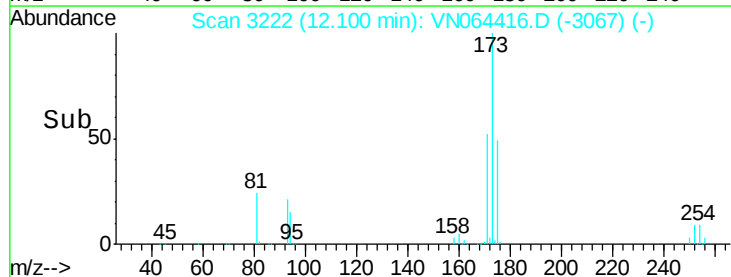
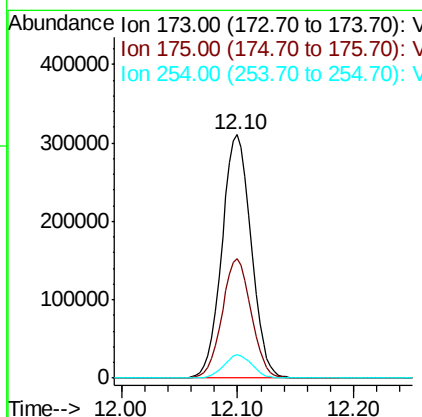
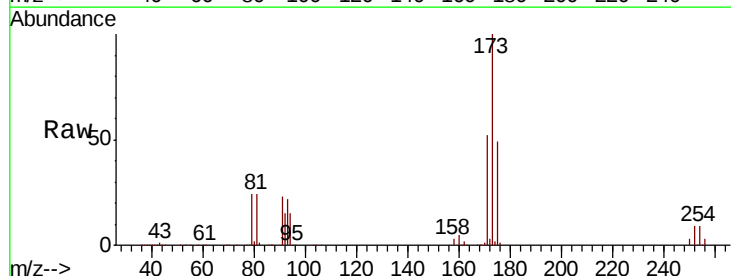
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

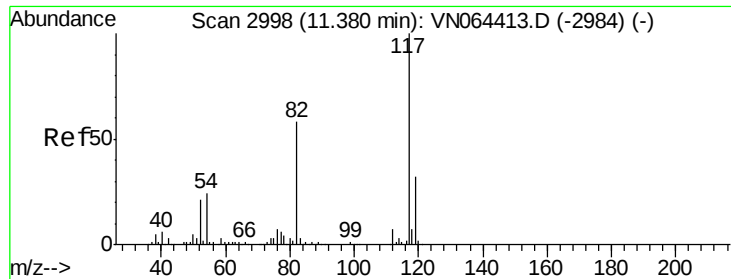
Tot Ion: 63 Resp: 2224872
Ion Ratio Lower Upper
63 100
65 32.3 26.2 39.4
106 27.8 21.8 32.6



#56
Bromoform
Concen: 164.039 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Tgt Ion: 173 Resp: 543667
Ion Ratio Lower Upper
173 100
175 48.7 39.0 58.4
254 9.3 7.0 10.6

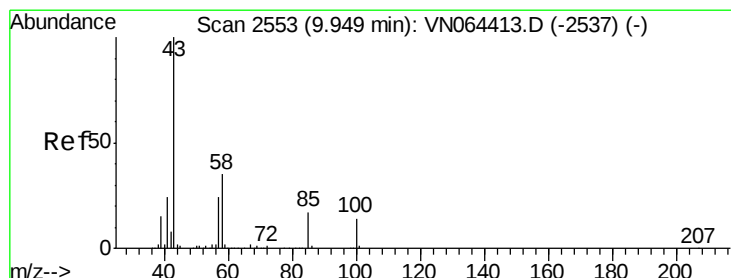
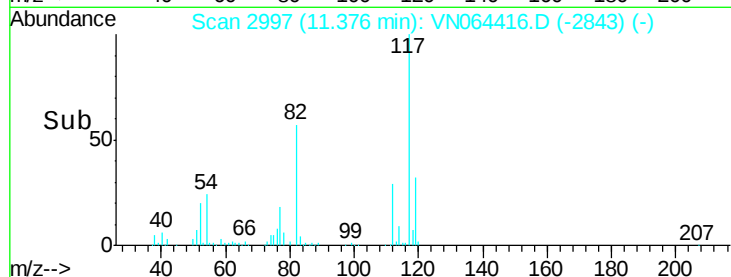
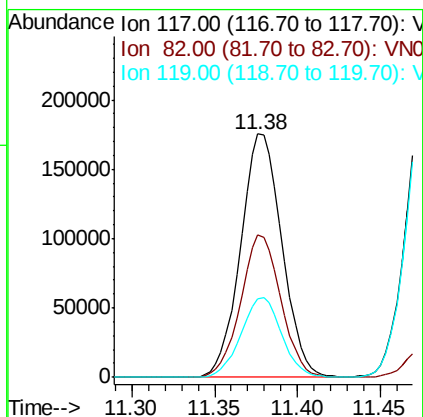
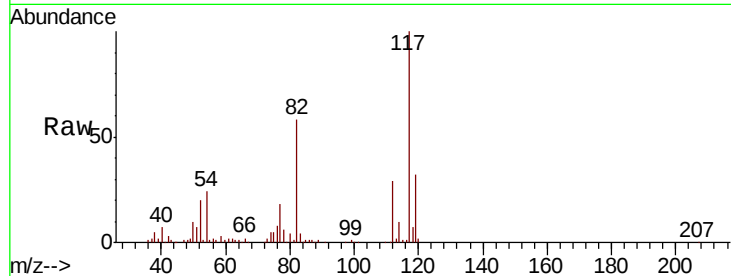




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

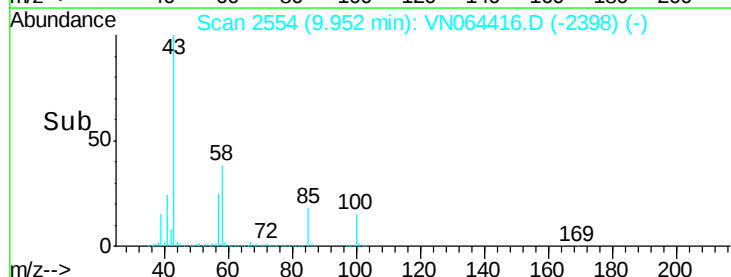
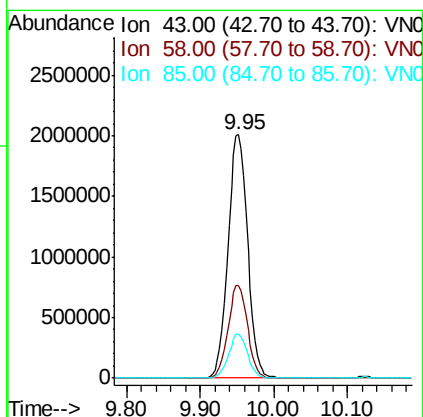
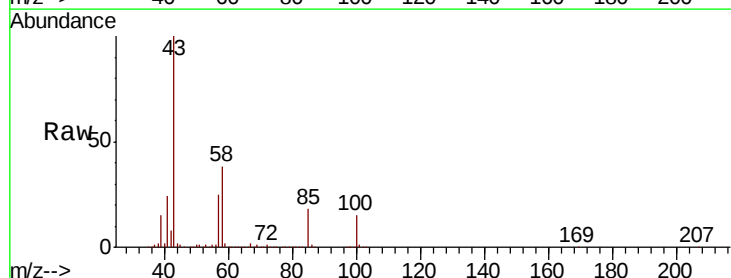
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

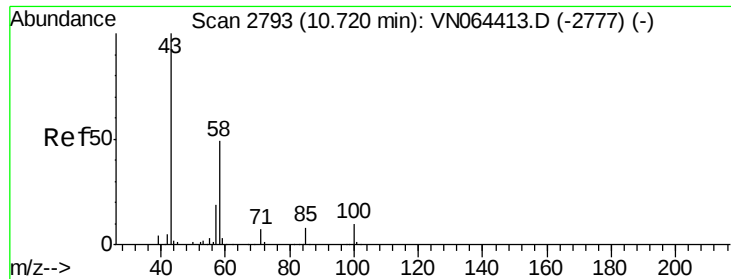
Tot Ion:117 Resp: 303824
Ion Ratio Lower Upper
117 100
82 56.8 46.1 69.1
119 32.2 26.2 39.2



#58
4-Methyl-2-Pentanone
Concen: 679.189 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Tgt Ion: 43 Resp: 3695776
Ion Ratio Lower Upper
43 100
58 37.7 28.6 43.0
85 17.6 13.5 20.3

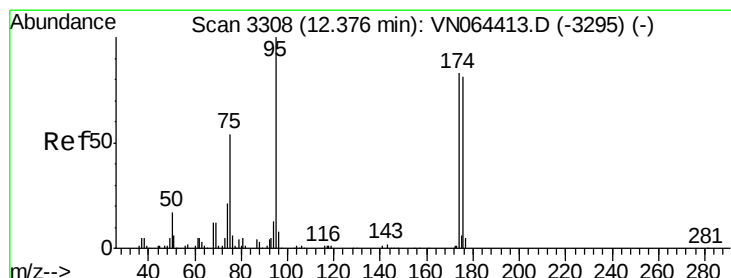
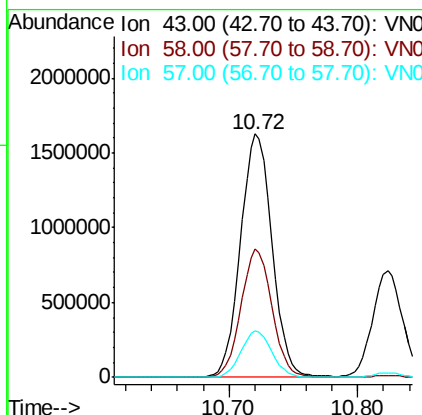
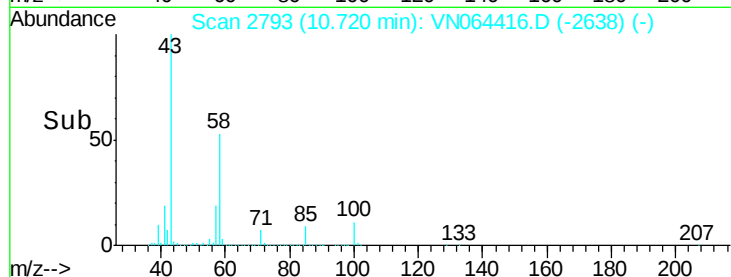
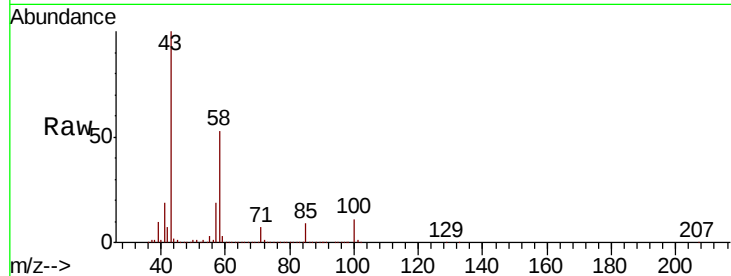




#59
2-Hexanone
Concen: 676.417 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

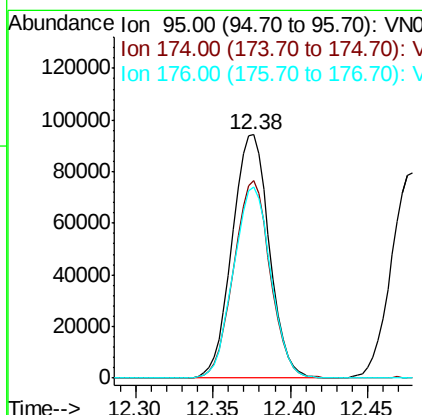
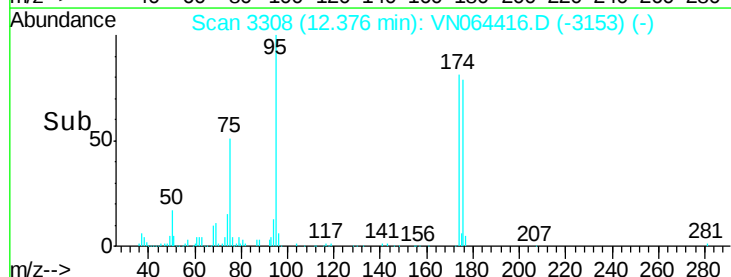
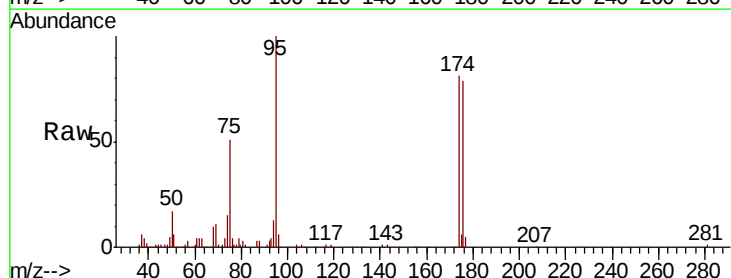
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

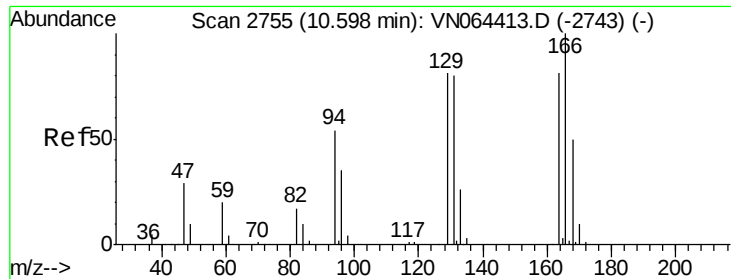
Tot Ion: 43 Resp: 2771973
Ion Ratio Lower Upper
43 100
58 51.8 39.4 59.0
57 18.8 14.4 21.6



#60
4-Bromofluorobenzene
Concen: 29.509 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Tgt Ion: 95 Resp: 157278
Ion Ratio Lower Upper
95 100
174 80.0 65.2 97.8
176 79.2 62.2 93.4





#61

Tetrachloroethene

Concen: 151.372 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:164 Resp: 615519

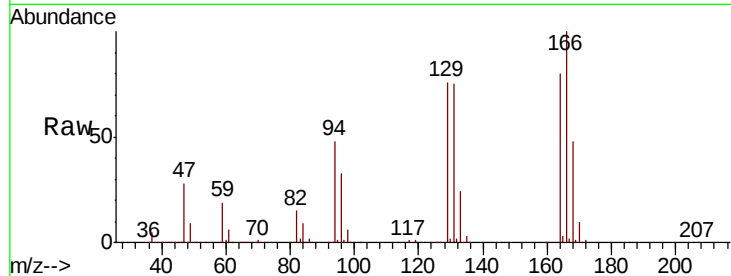
Ion Ratio Lower Upper

164 100

166 125.4 98.7 148.1

129 95.5 80.2 120.4

131 93.4 78.7 118.1

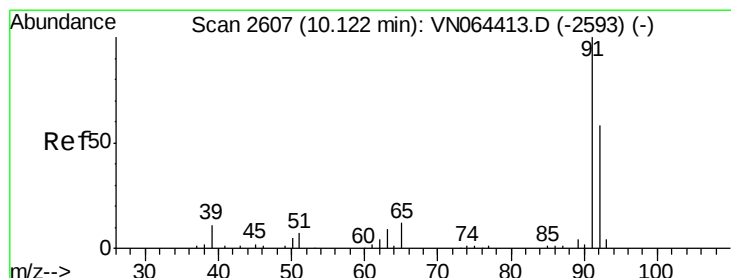
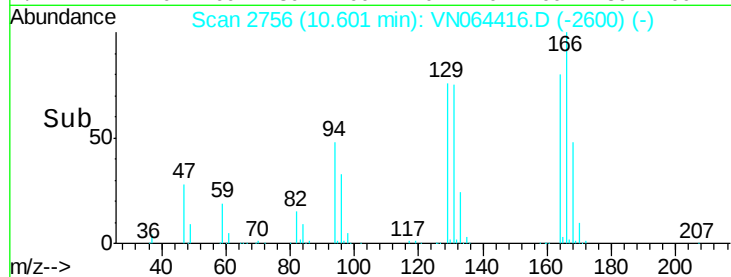
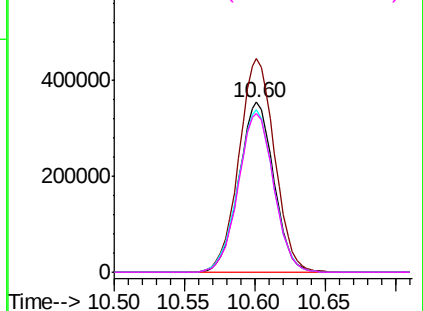


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 153.812 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064416.D

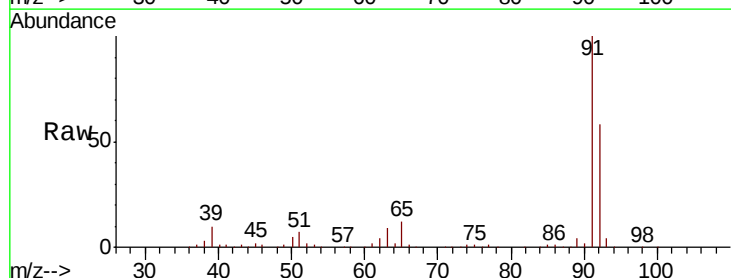
Acq: 2 Nov 2020 15:24

Tgt Ion: 91 Resp: 2580626

Ion Ratio Lower Upper

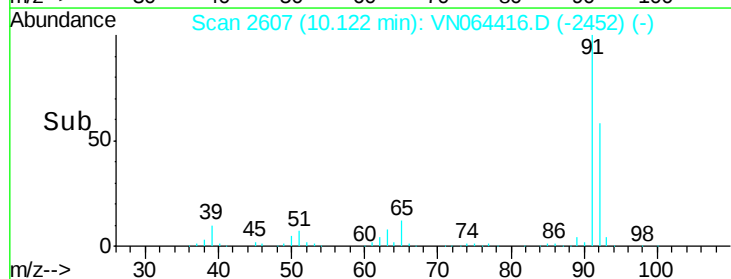
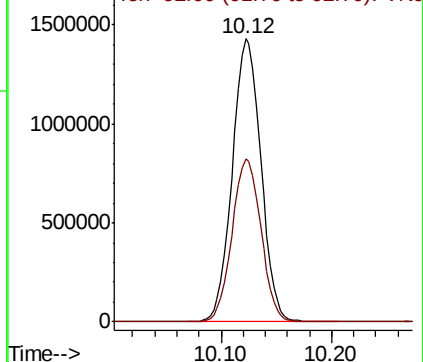
91 100

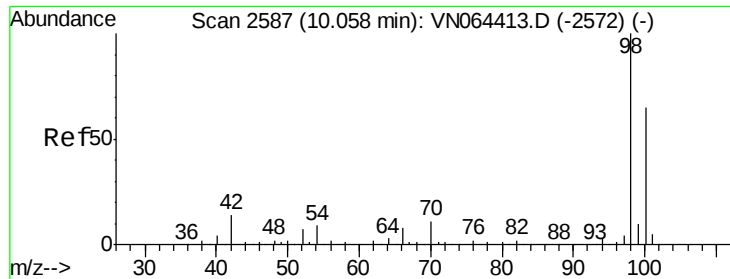
92 58.1 46.2 69.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 29.868 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

Instrument :

MSVOA_N

ClientSampled :

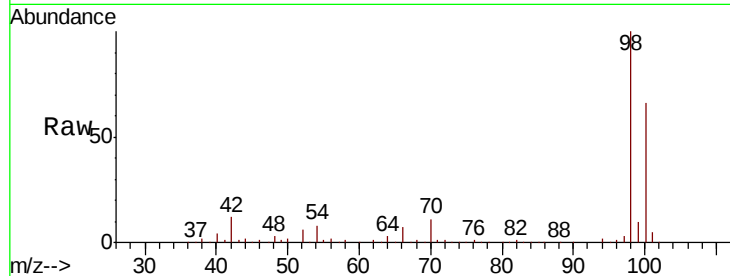
VSTDIC150

Tot Ion: 98 Resp: 403340

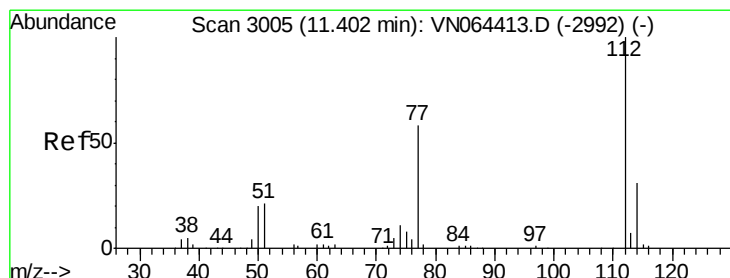
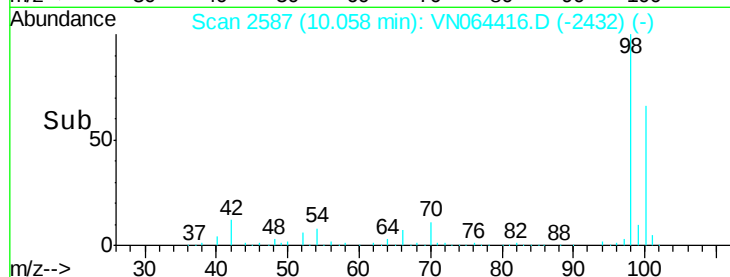
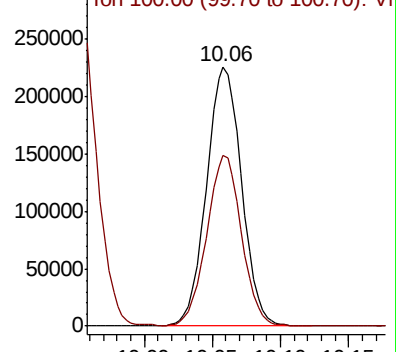
Ion Ratio Lower Upper

98 100

100 65.5 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN064416.D (-2572) (-)



#64

Chlorobenzene

Concen: 156.369 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN064416.D

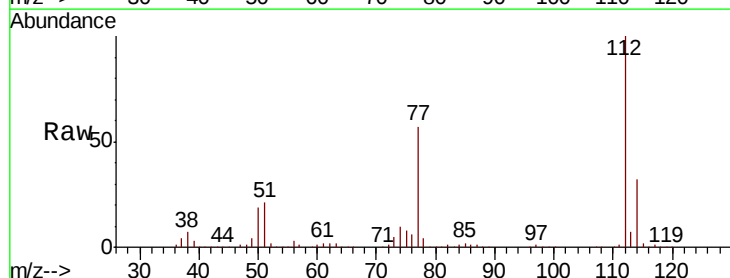
Acq: 2 Nov 2020 15:24

Tgt Ion: 112 Resp: 1638086

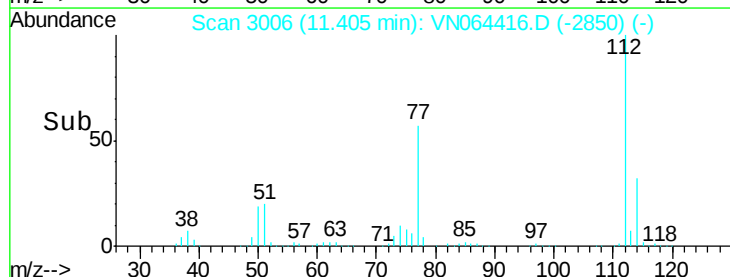
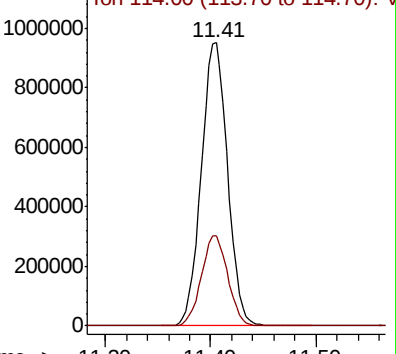
Ion Ratio Lower Upper

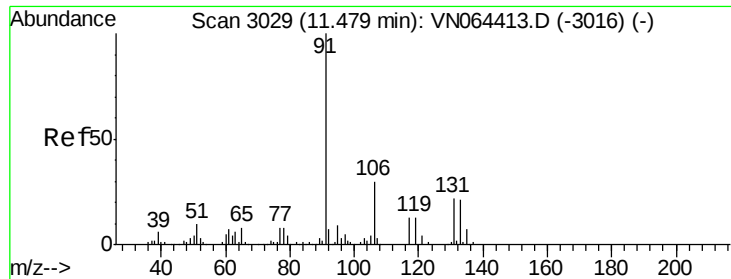
112 100

114 31.7 24.8 37.2



Abundance Ion 112.00 (111.70 to 112.70): VN064416.D (-2850) (-)

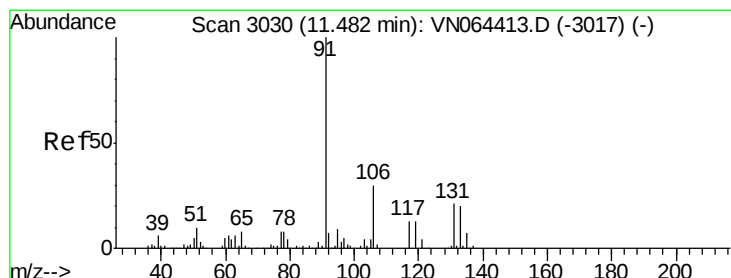
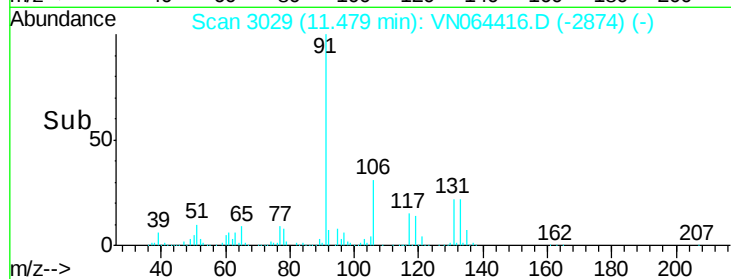
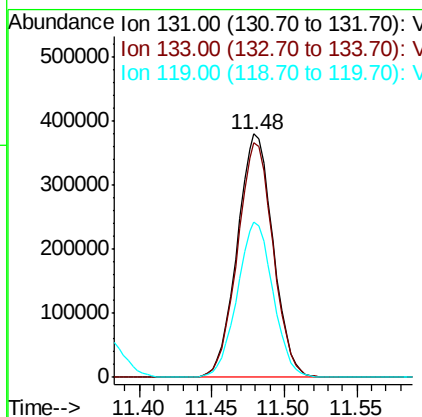
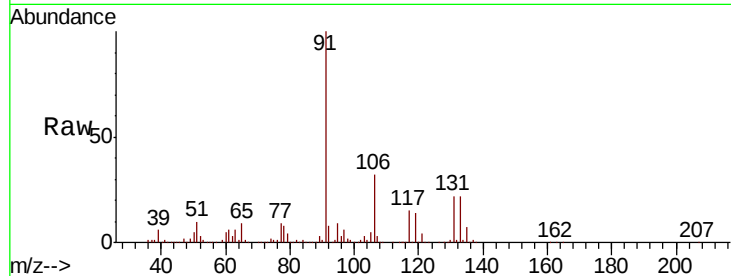




#65
 1,1,1,2-Tetrachloroethane
 Concen: 157.930 ug/l
 RT: 11.48 min Scan# 3029
 Delta R.T. -0.00 min
 Lab File: VN064416.D
 Acq: 2 Nov 2020 15:24

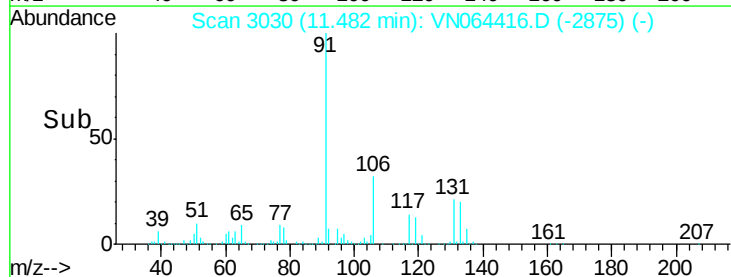
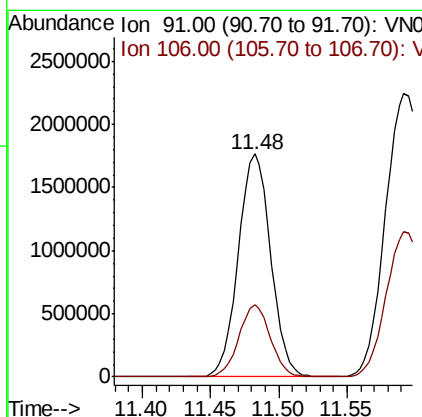
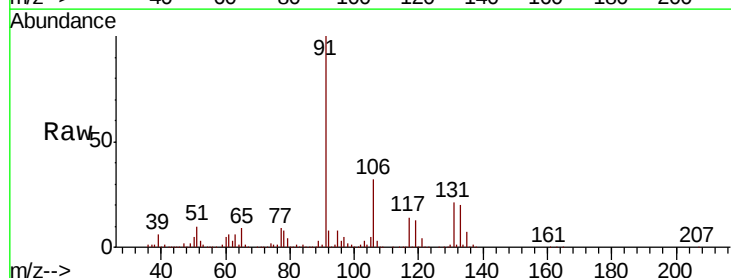
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

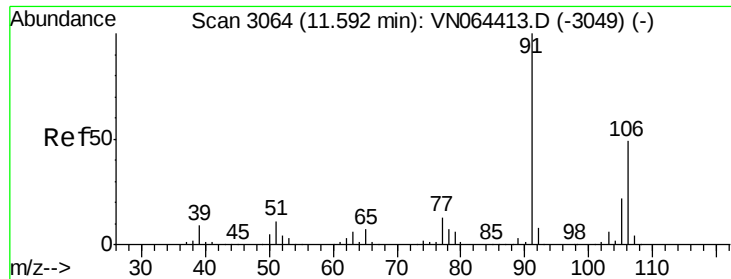
Tot Ion:131 Resp: 652695
 Ion Ratio Lower Upper
 131 100
 133 96.1 0.0 191.2
 119 63.7 0.0 125.6



#66
 Ethyl Benzene
 Concen: 153.612 ug/l
 RT: 11.48 min Scan# 3030
 Delta R.T. -0.00 min
 Lab File: VN064416.D
 Acq: 2 Nov 2020 15:24

Tgt Ion: 91 Resp: 2915874
 Ion Ratio Lower Upper
 91 100
 106 32.2 23.9 35.9

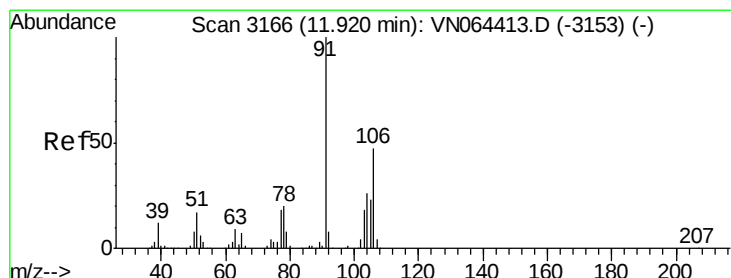
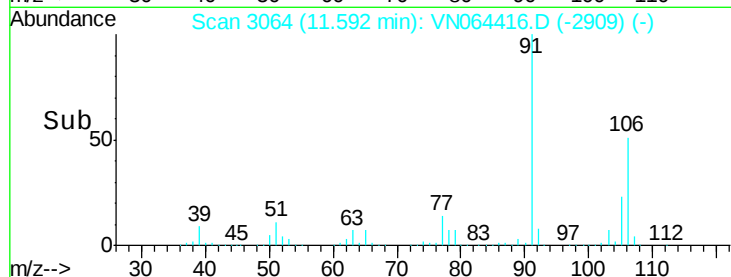
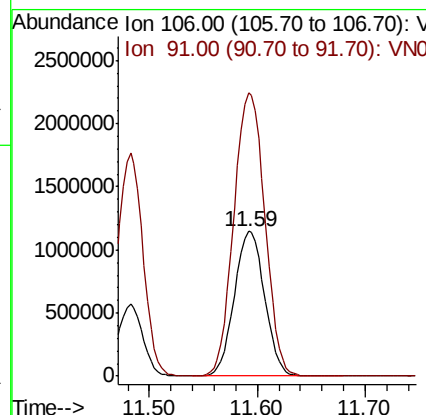
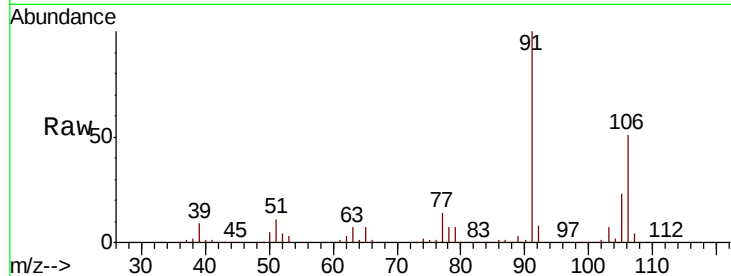




#67
m/p-Xylenes
Concen: 316.713 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

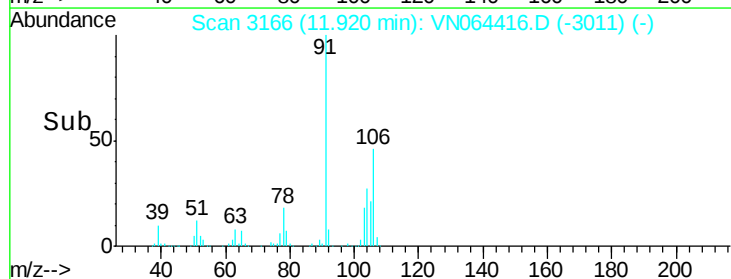
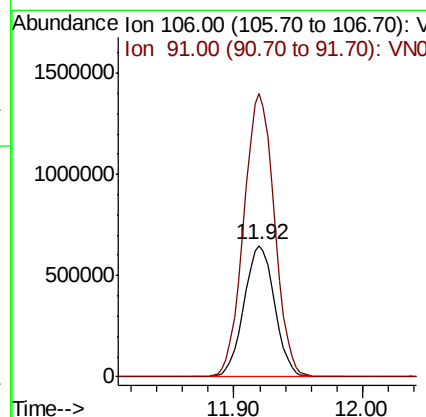
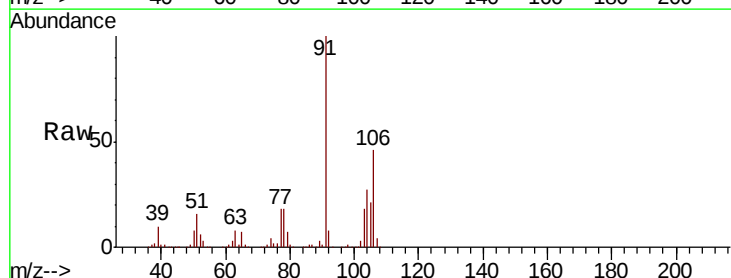
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

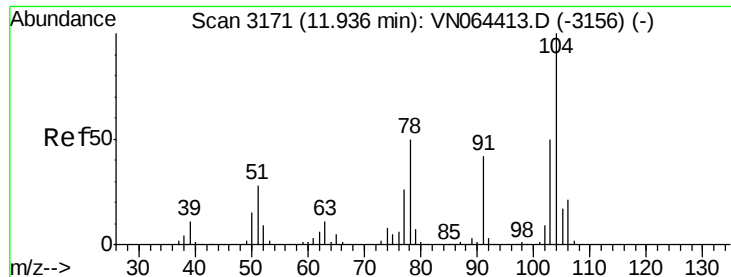
Tot Ion:106 Resp: 2226673
Ion Ratio Lower Upper
106 100
91 201.2 166.8 250.2



#68
o-Xylene
Concen: 155.413 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Tgt Ion:106 Resp: 1072401
Ion Ratio Lower Upper
106 100
91 215.8 106.7 320.1

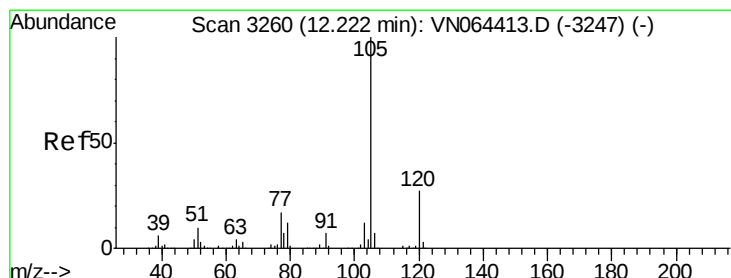
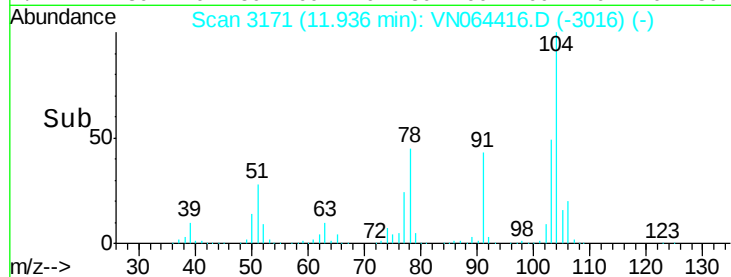
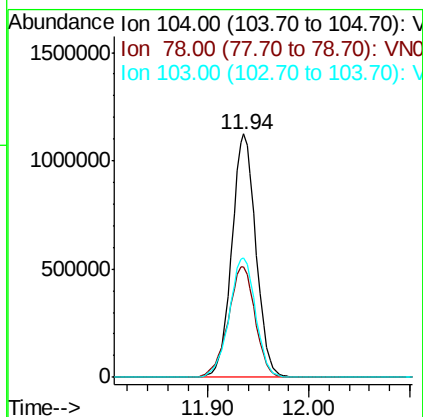
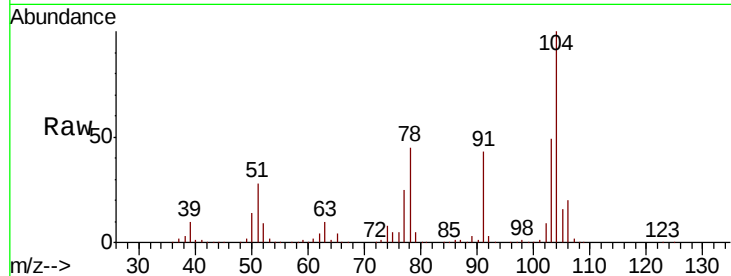




#69
Stvrene
Concen: 163.648 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

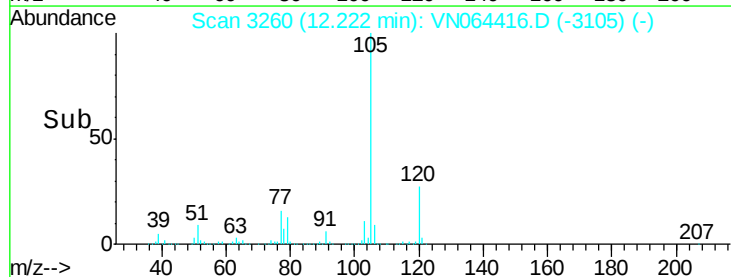
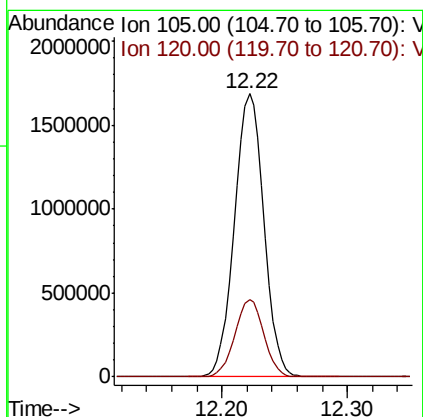
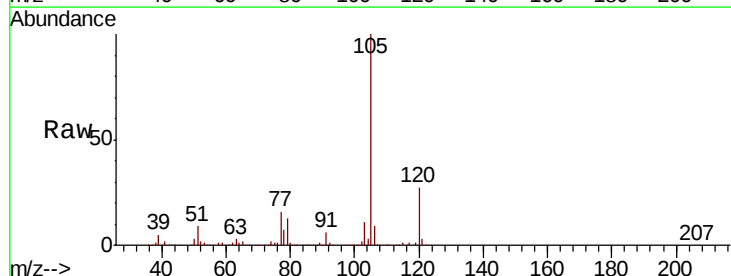
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

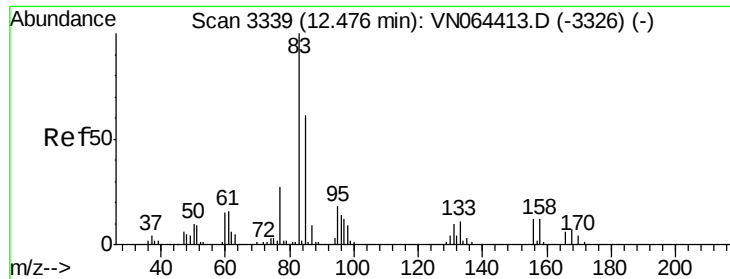
Tot Ion:104 Resp: 1867985
Ion Ratio Lower Upper
104 100
78 50.9 44.3 66.5
103 53.8 43.5 65.3



#70
Isopropylbenzene
Concen: 151.366 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Tgt Ion:105 Resp: 2749447
Ion Ratio Lower Upper
105 100
120 26.9 18.0 33.4





#71

1,1,2,2-Tetrachloroethane

Concen: 149.768 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

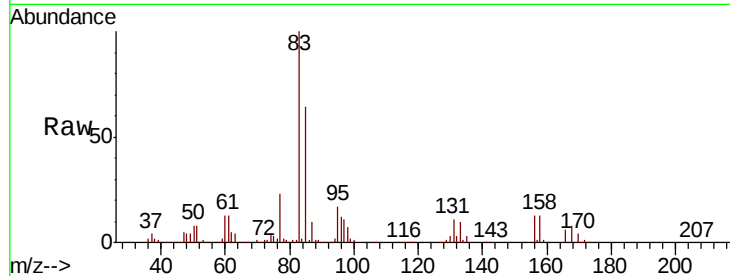
Tot Ion: 83 Resp: 767975

Ion Ratio Lower Upper

83 100

131 11.1 5.3 16.1

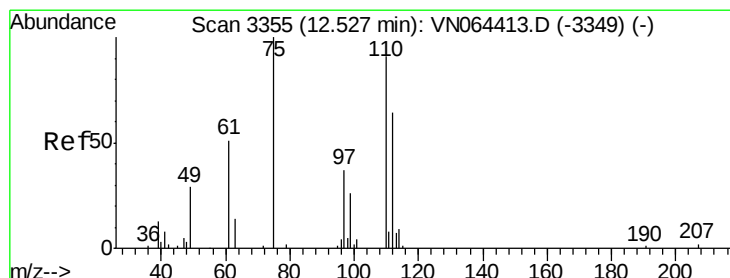
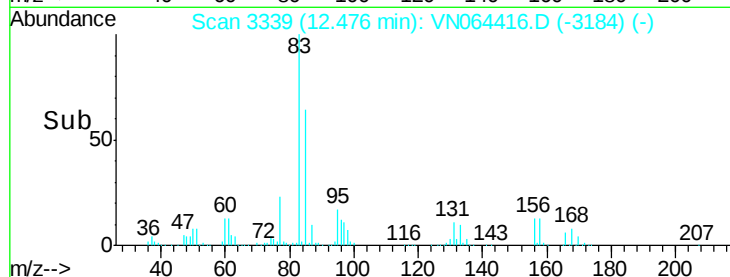
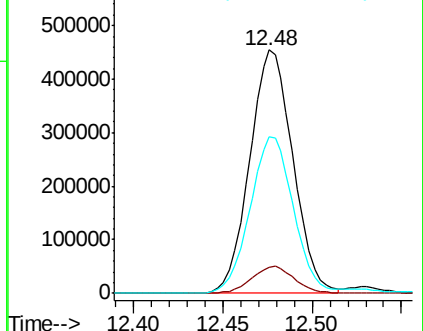
85 64.8 30.9 92.7



Abundance Ion 83.00 (82.70 to 83.70): VN064416.D (-3184) (-)

Ion 131.00 (130.70 to 131.70): VN064416.D (-3184) (-)

Ion 85.00 (84.70 to 85.70): VN064416.D (-3184) (-)



#72

1,2,3-Trichloropropane

Concen: 214.306 ug/l

RT: 12.52 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN064416.D

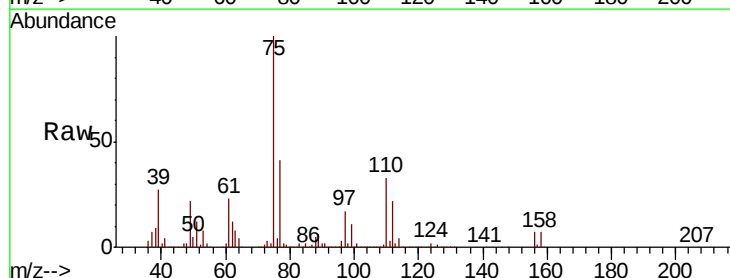
Acq: 2 Nov 2020 15:24

Tgt Ion: 75 Resp: 1137633

Ion Ratio Lower Upper

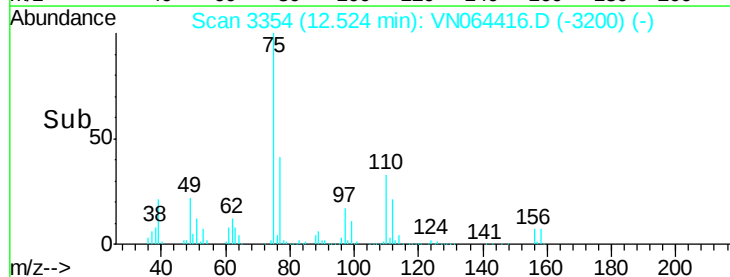
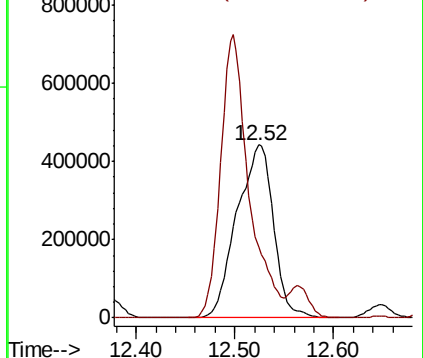
75 100

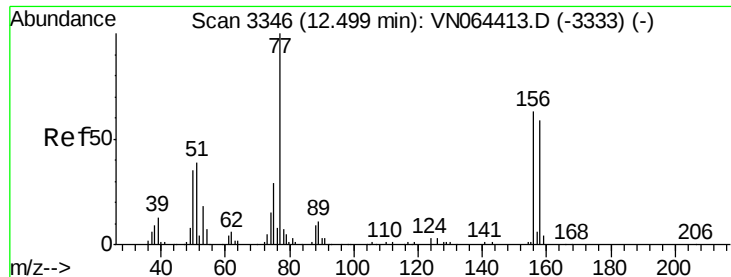
77 128.8 0.0 374.2



Abundance Ion 75.00 (74.70 to 75.70): VN064416.D (-3200) (-)

Ion 77.00 (76.70 to 77.70): VN064416.D (-3200) (-)





#73

Bromobenzene

Concen: 163.430 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

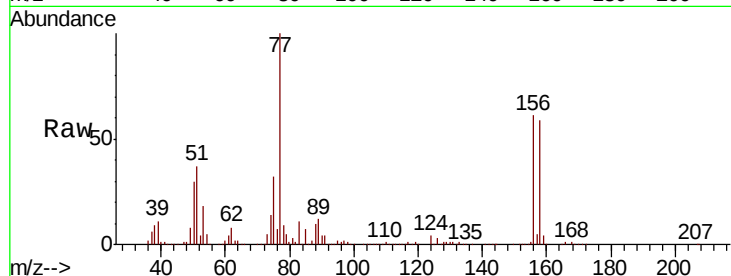
Tot Ion:156 Resp: 736546

Ion Ratio Lower Upper

156 100

77 198.9 0.0 409.4

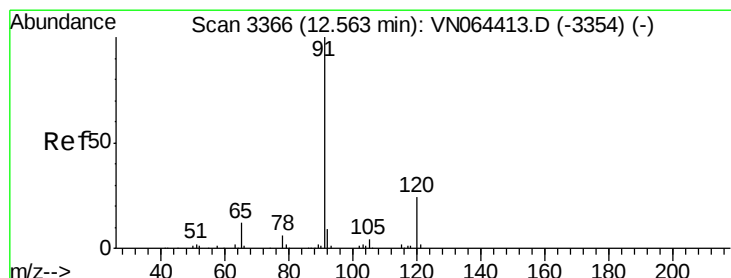
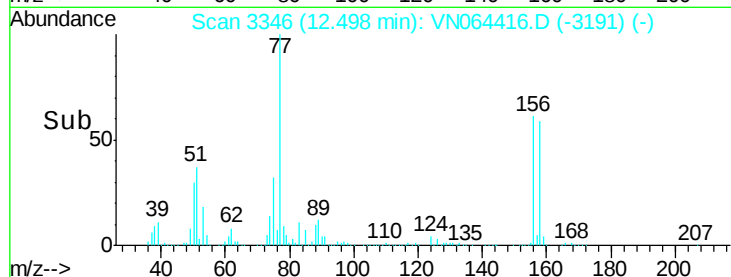
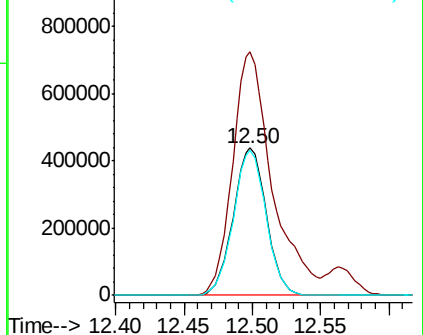
158 97.4 0.0 192.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 150.061 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064416.D

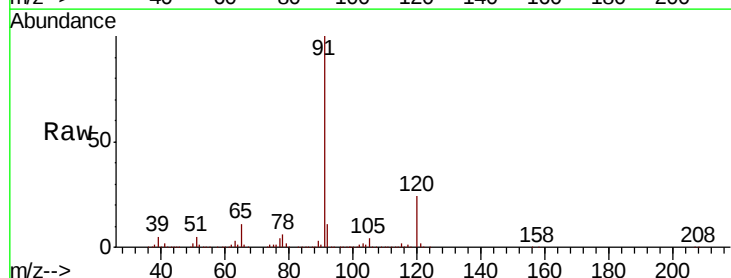
Acq: 2 Nov 2020 15:24

Tgt Ion: 91 Resp: 3085835

Ion Ratio Lower Upper

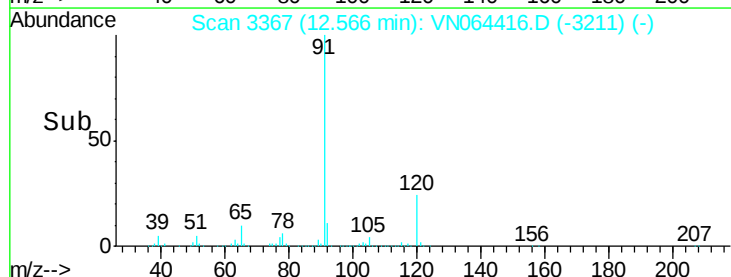
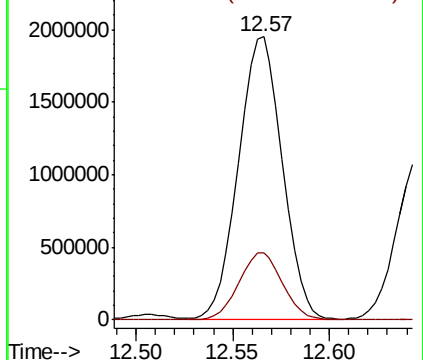
91 100

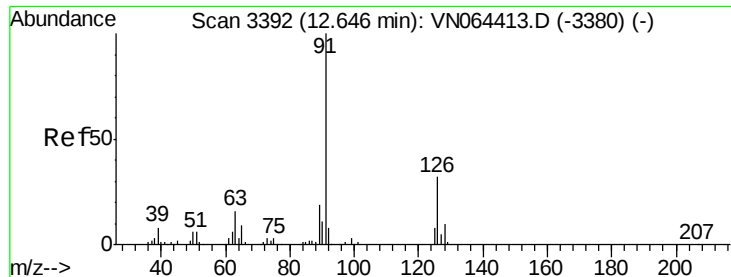
120 23.5 0.0 47.4



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 151.239 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

Instrument :

MSVOA_N

ClientSampleId :

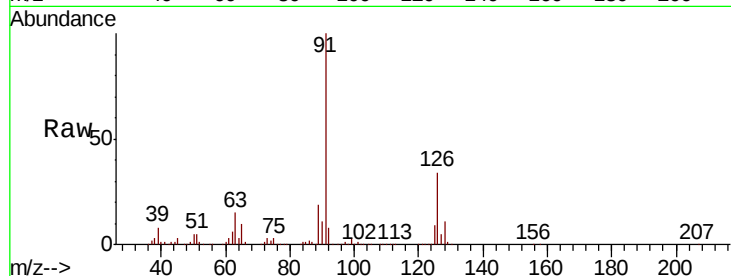
VSTDIC150

Tot Ion: 91 Resp: 1931420

Ion Ratio Lower Upper

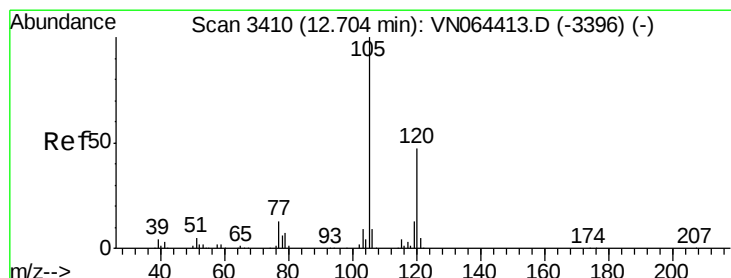
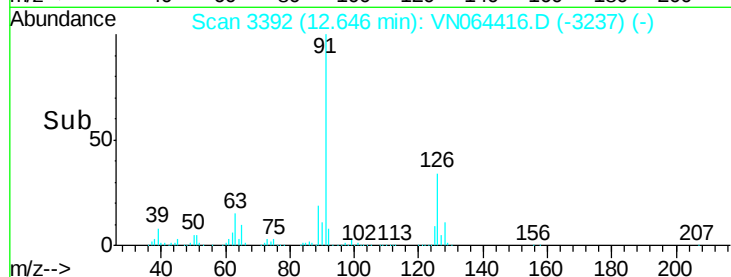
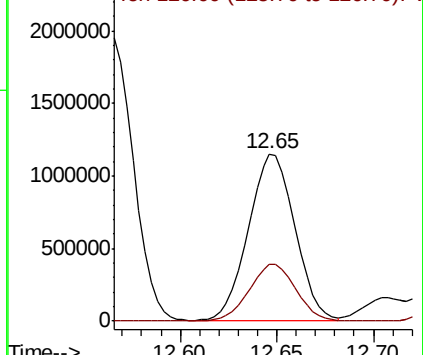
91 100

126 34.0 0.0 63.8



Abundance Ion 91.00 (90.70 to 91.70): VN064416.D (-3237) (-)

Ion 126.00 (125.70 to 126.70): VN064416.D (-3237) (-)



#76

1,3,5-Trimethylbenzene

Concen: 151.130 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064416.D

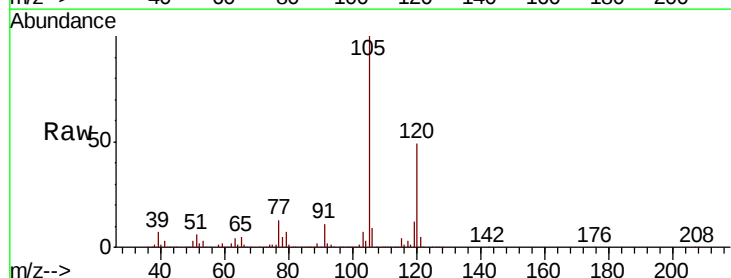
Acq: 2 Nov 2020 15:24

Tgt Ion:105 Resp: 2305726

Ion Ratio Lower Upper

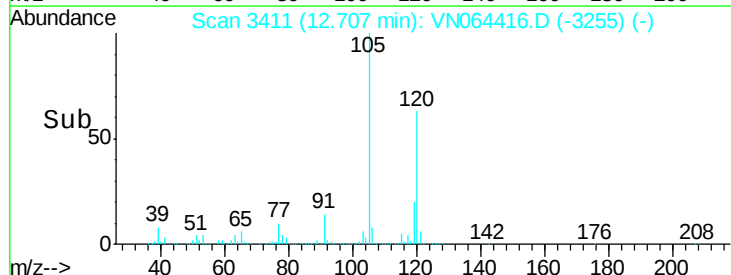
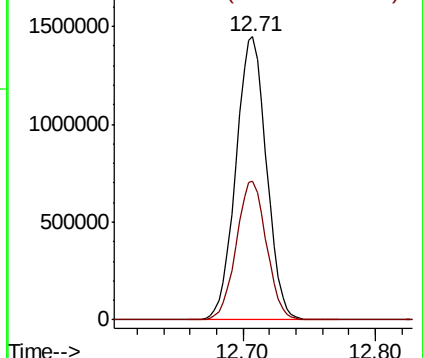
105 100

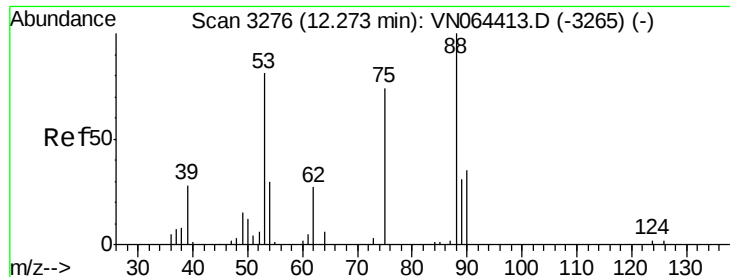
120 48.6 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): VN064416.D (-3255) (-)

Ion 120.00 (119.70 to 120.70): VN064416.D (-3255) (-)

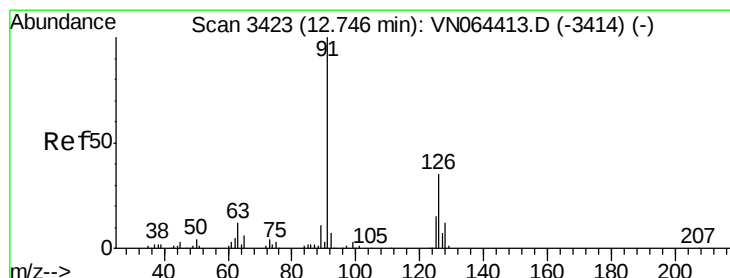
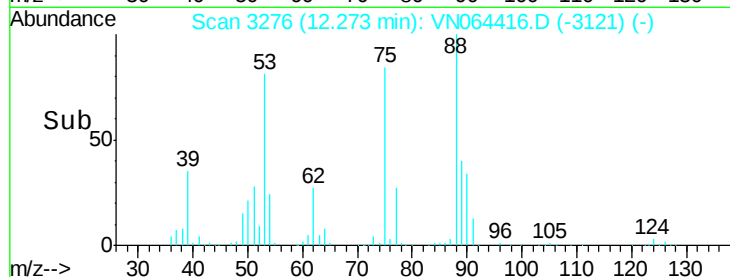
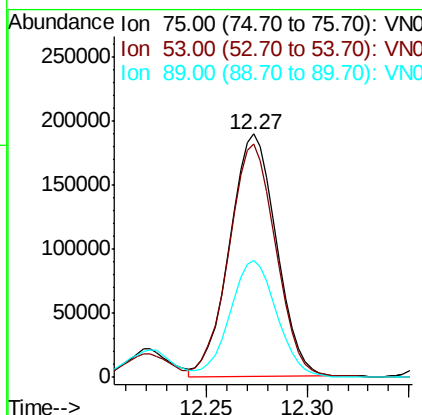
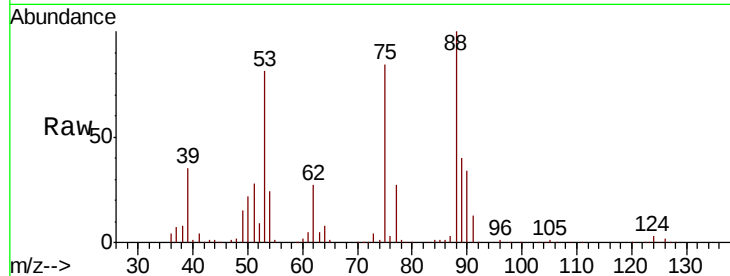




#77
t-1,4-Dichloro-2-butene
Concen: 153.894 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

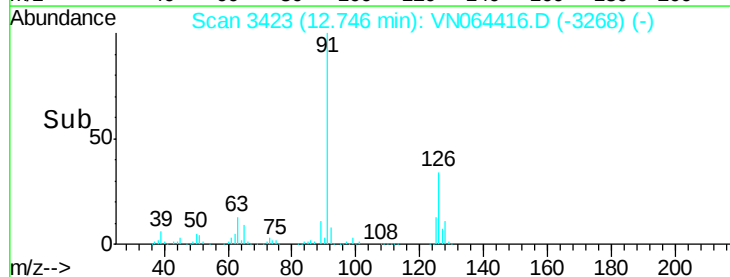
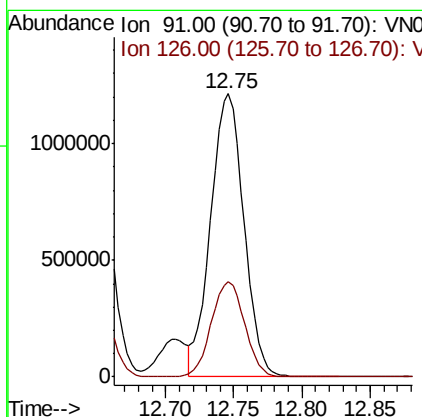
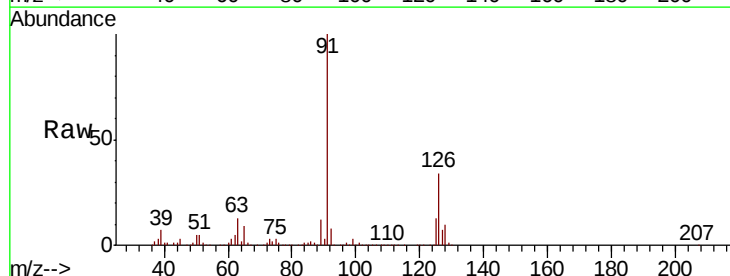
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

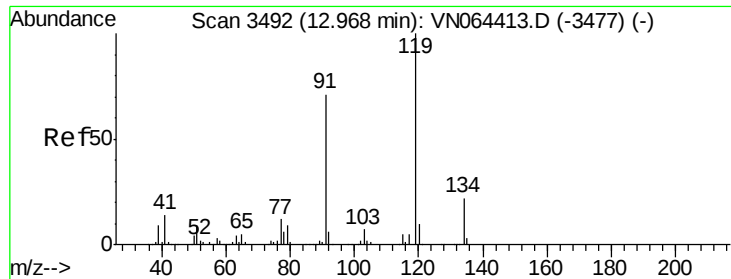
Tot Ion: 75 Resp: 306839
Ion Ratio Lower Upper
75 100
53 95.6 54.1 162.4
89 48.0 23.1 69.3



#78
4-Chlorotoluene
Concen: 153.645 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Tgt Ion: 91 Resp: 2048106
Ion Ratio Lower Upper
91 100
126 33.8 0.0 63.2

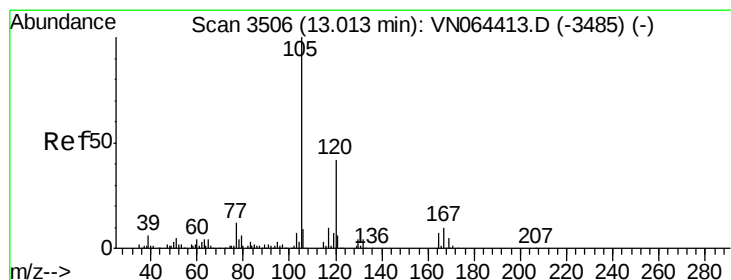
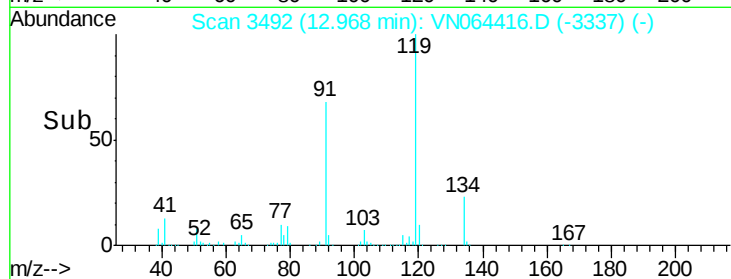
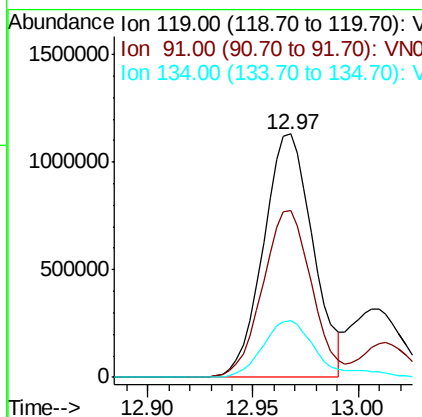
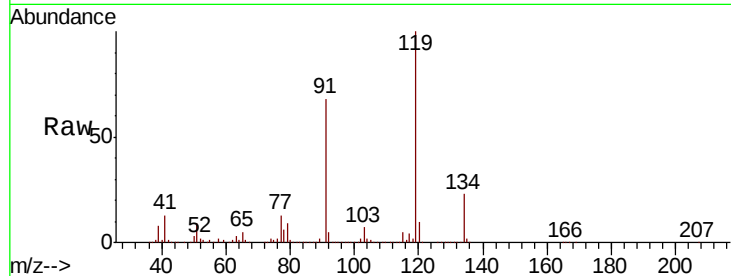




#79
 tert-butylbenzene
 Concen: 146.492 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN064416.D
 Acq: 2 Nov 2020 15:24

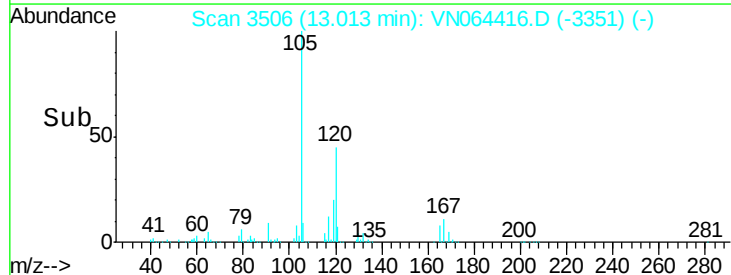
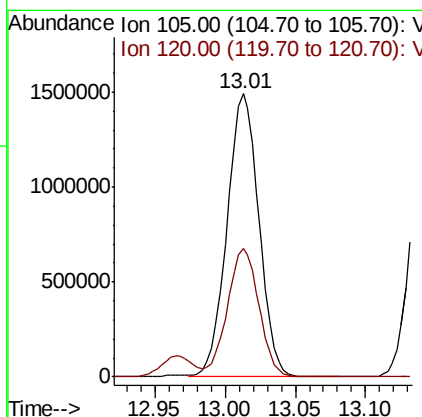
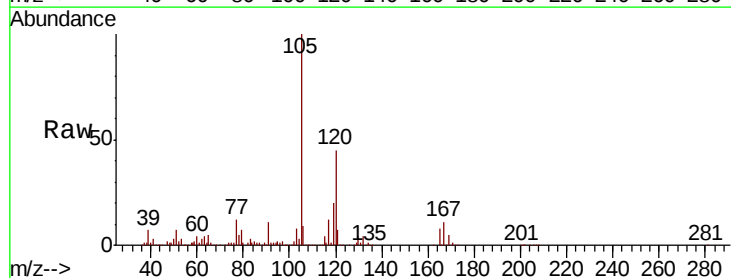
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

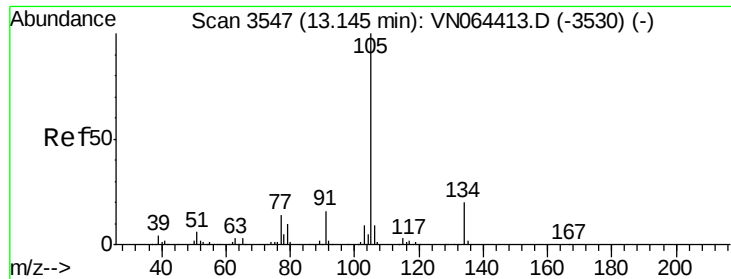
Tot Ion:119 Resp: 1846612
 Ion Ratio Lower Upper
 119 100
 91 67.7 0.0 140.4
 134 23.6 0.0 46.2



#80
 1,2,4-Trimethylbenzene
 Concen: 152.769 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN064416.D
 Acq: 2 Nov 2020 15:24

Tgt Ion:105 Resp: 2354366
 Ion Ratio Lower Upper
 105 100
 120 45.0 0.0 88.0





#81

sec-Butylbenzene

Concen: 144.138 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

Instrument :

MSVOA_N

ClientSampleId :

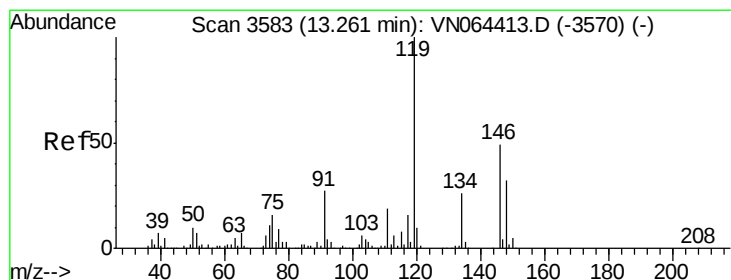
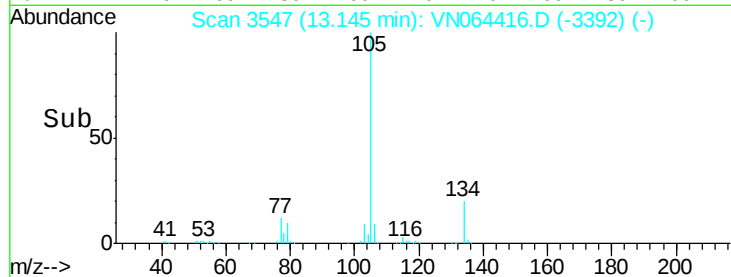
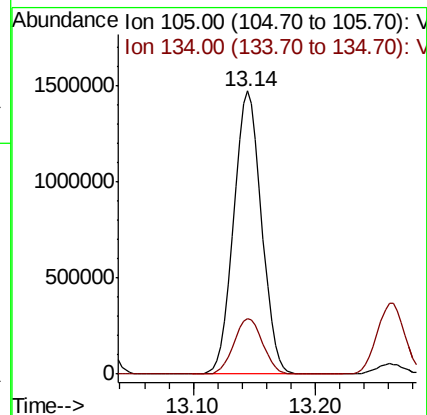
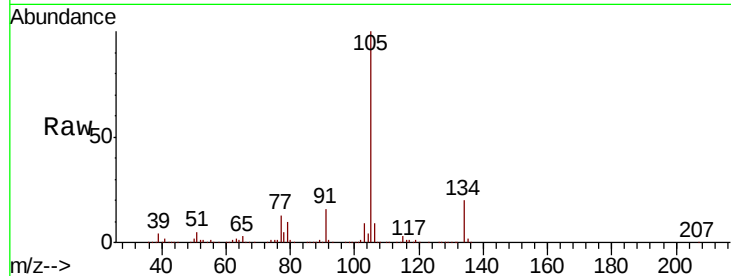
VSTDIC150

Tot Ion:105 Resp: 2340561

Ion Ratio Lower Upper

105 100

134 20.2 0.0 39.2



#82

p-Isopropyltoluene

Concen: 147.939 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

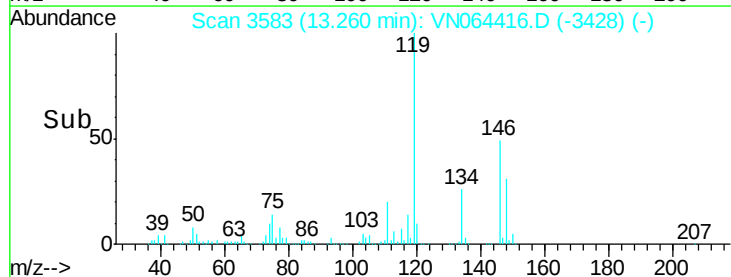
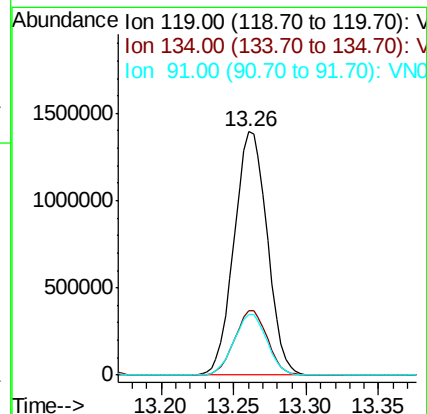
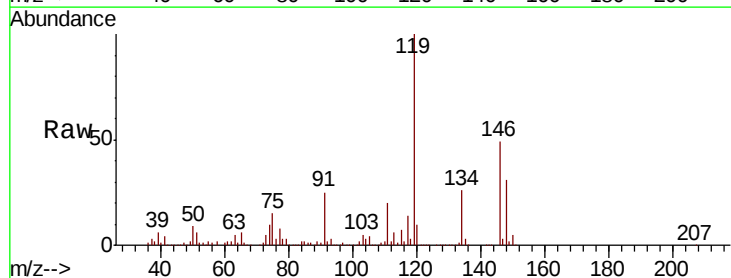
Tgt Ion:119 Resp: 2201961

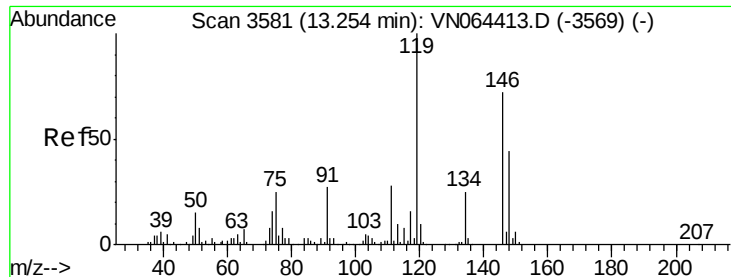
Ion Ratio Lower Upper

119 100

134 26.3 0.0 51.0

91 24.9 0.0 51.4

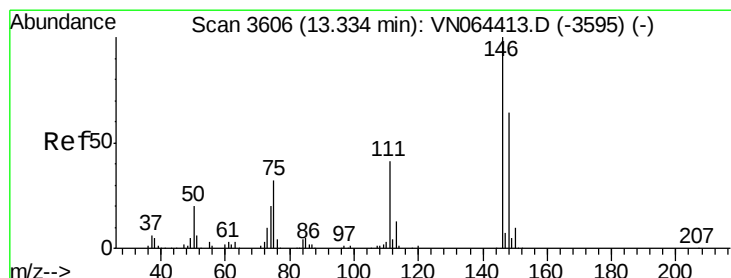
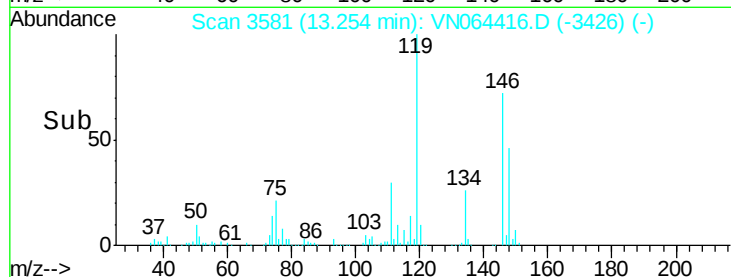
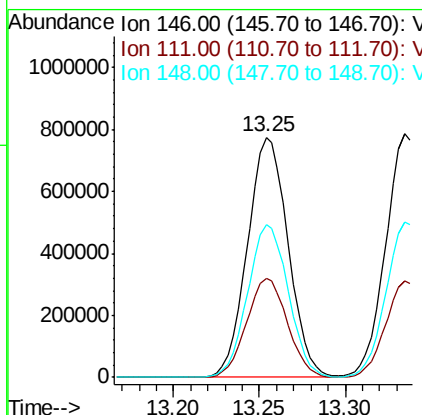
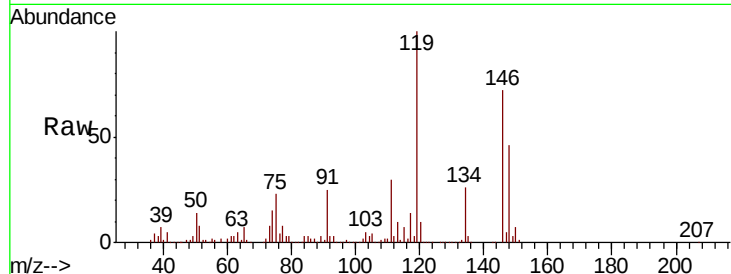




#83
 1,3-Dichlorobenzene
 Concen: 163.488 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064416.D
 Acq: 2 Nov 2020 15:24

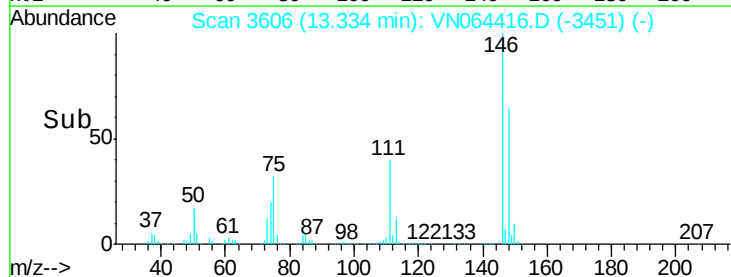
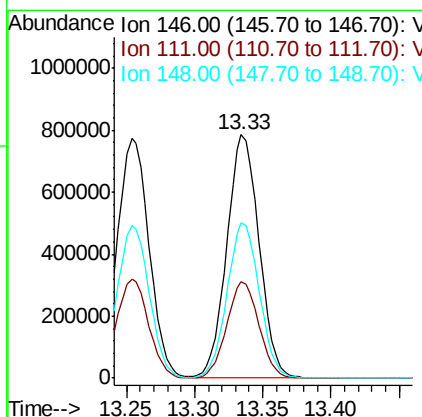
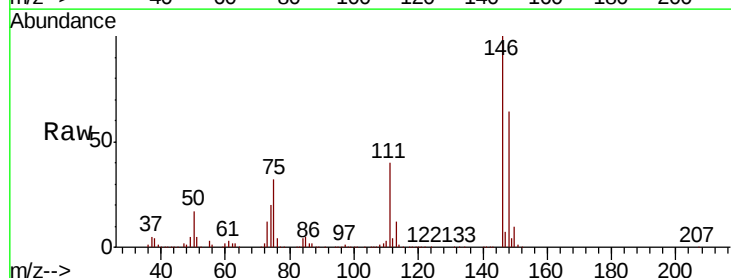
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

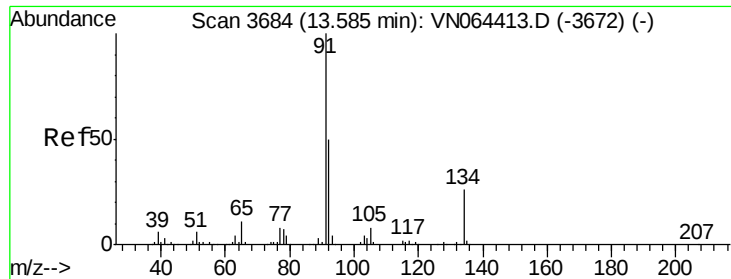
Tot Ion:146 Resp: 1271806
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.5 61.6
 148 63.6 31.9 95.5



#84
 1,4-Dichlorobenzene
 Concen: 164.692 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064416.D
 Acq: 2 Nov 2020 15:24

Tgt Ion:146 Resp: 1289712
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.9 59.6
 148 64.0 31.9 95.5

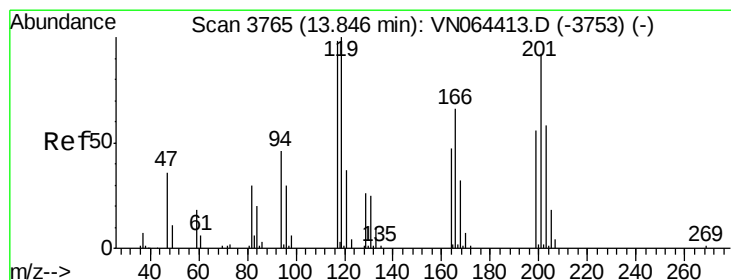
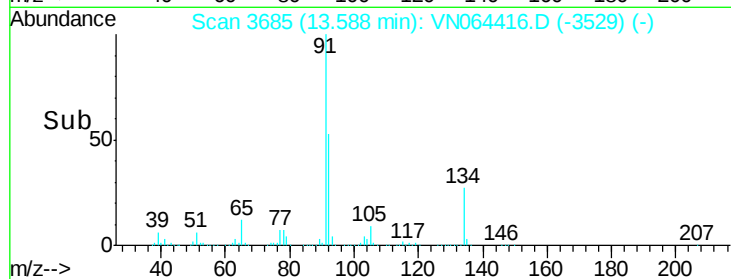
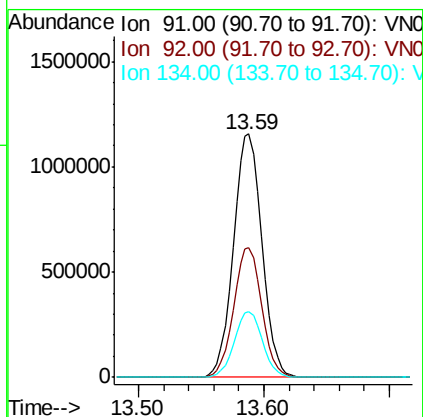
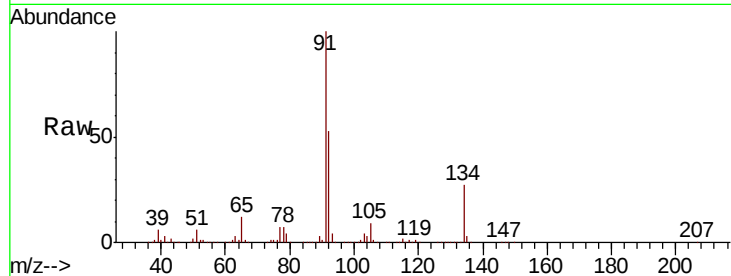




#85
n-Butylbenzene
Concen: 141.247 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

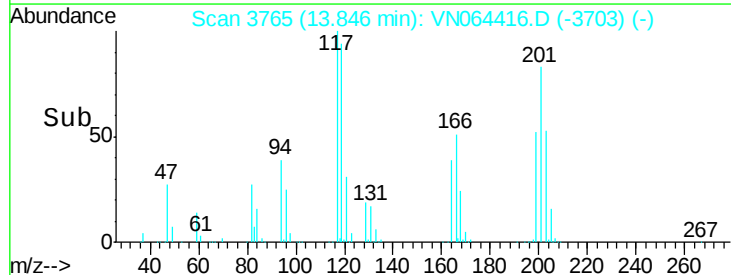
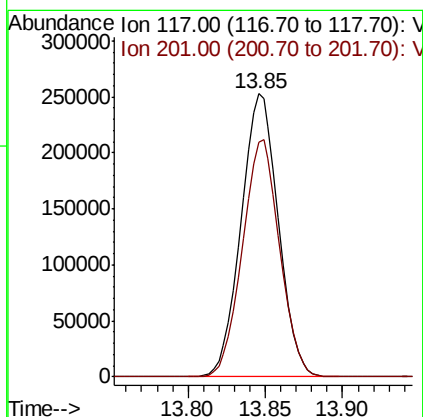
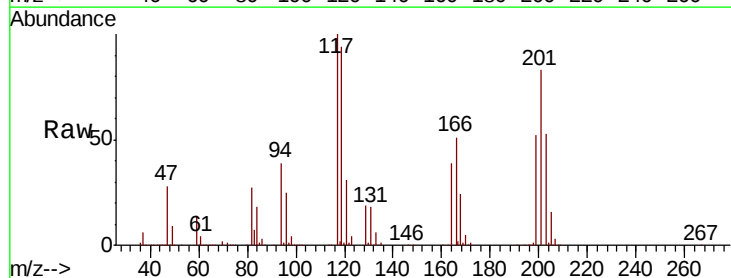
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

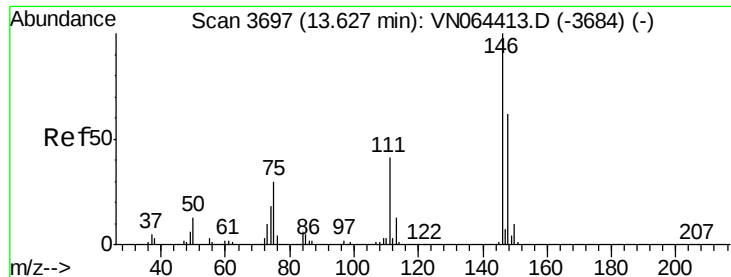
Tot Ion: 91 Resp: 1817687
Ion Ratio Lower Upper
91 100
92 52.7 0.0 99.4
134 26.7 0.0 50.0



#86
Hexachloroethane
Concen: 153.582 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Tgt Ion: 117 Resp: 423539
Ion Ratio Lower Upper
117 100
201 83.7 42.7 128.1





#87

1,2-Dichlorobenzene

Concen: 162.162 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

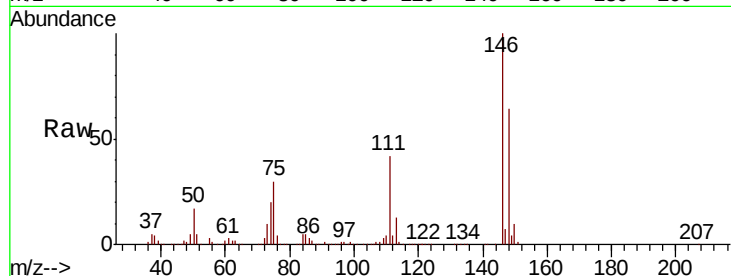
Tot Ion:146 Resp: 1242970

Ion Ratio Lower Upper

146 100

111 42.0 21.3 64.0

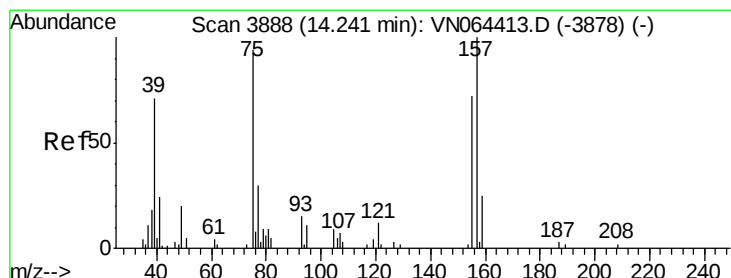
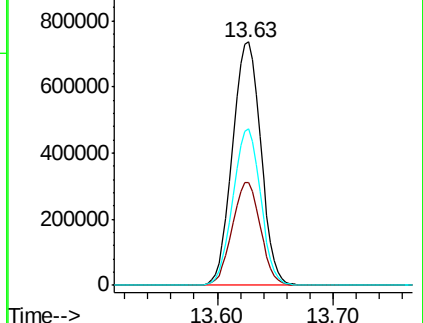
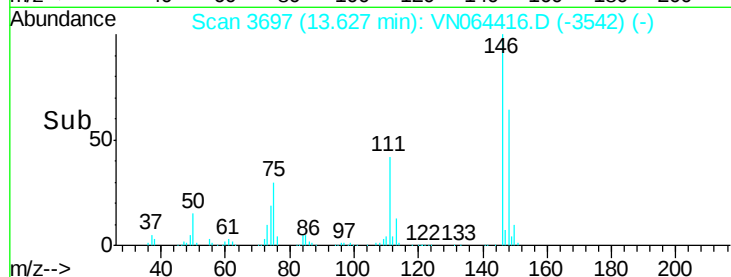
148 63.0 31.7 95.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 141.487 ug/l

RT: 14.24 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

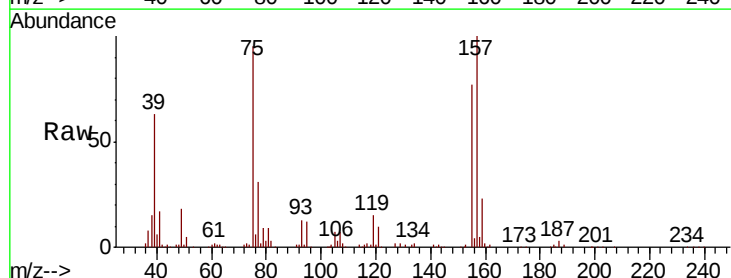
Tgt Ion: 75 Resp: 178066

Ion Ratio Lower Upper

75 100

155 82.1 66.2 99.2

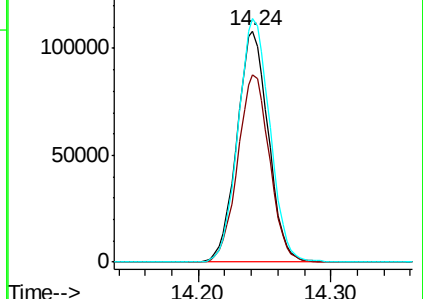
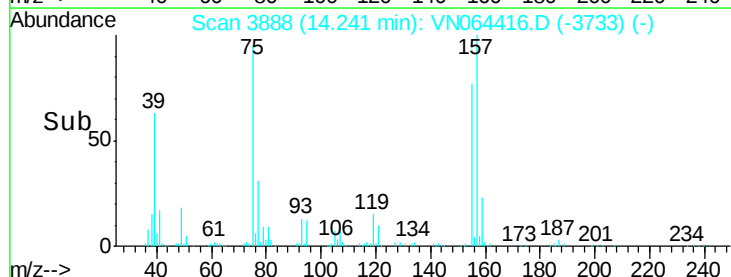
157 106.5 82.7 124.1

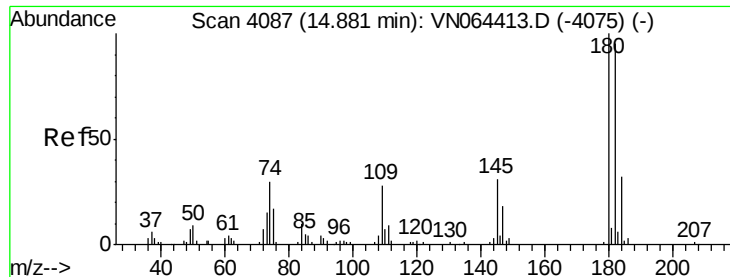


Abundance Ion 75.00 (74.70 to 75.70): VN

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

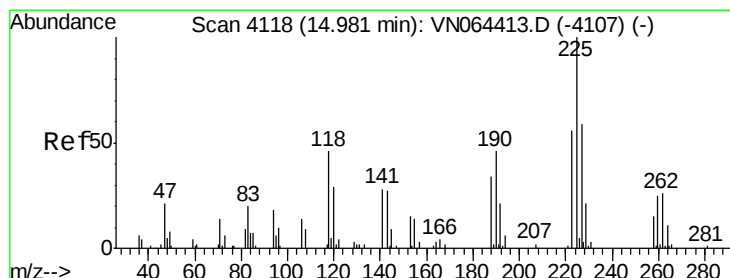
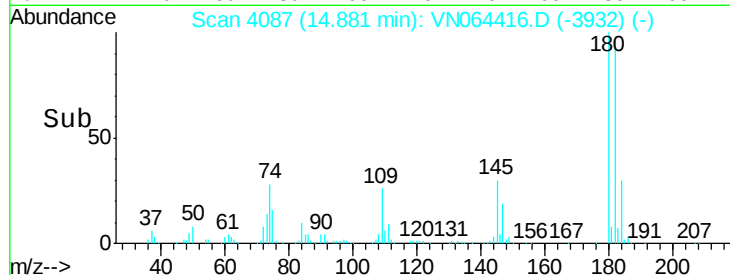
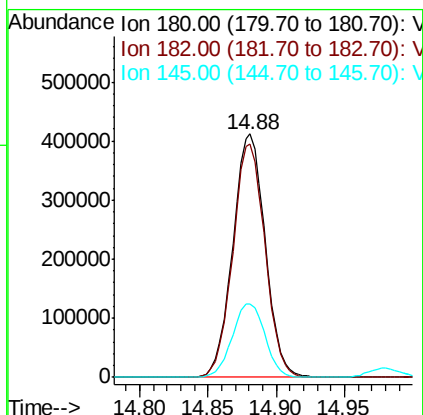
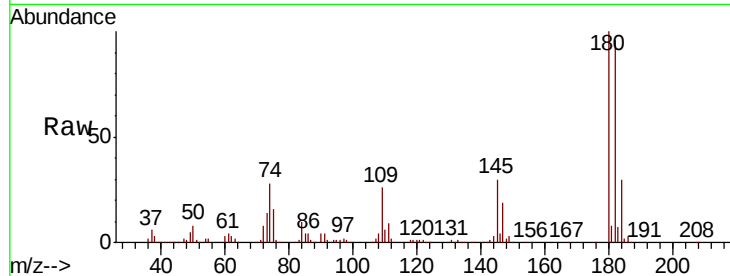




#89
1,2,4-Trichlorobenzene
Concen: 160.319 ug/l
RT: 14.88 min Scan# 4087
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

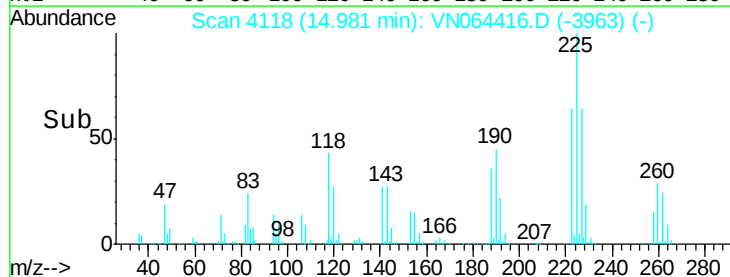
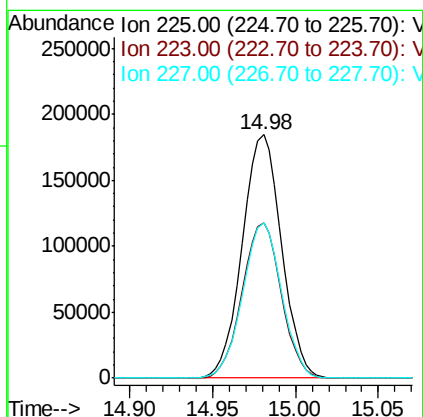
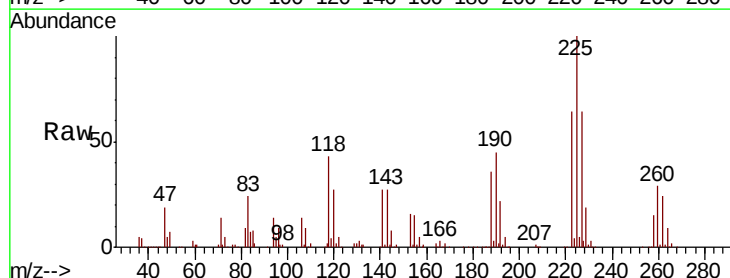
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

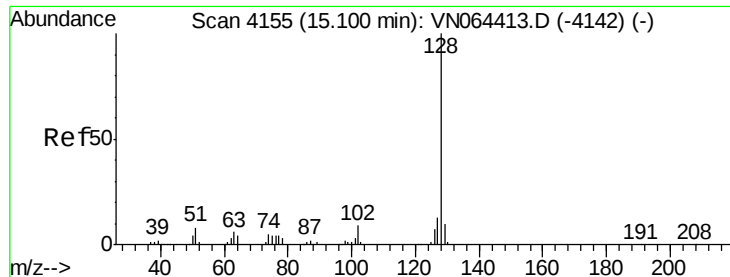
Tot Ion:180 Resp: 678612
Ion Ratio Lower Upper
180 100
182 95.3 72.6 108.8
145 30.7 24.3 36.5



#90
Hexachlorobutadiene
Concen: 133.672 ug/l
RT: 14.98 min Scan# 4118
Delta R.T. -0.00 min
Lab File: VN064416.D
Acq: 2 Nov 2020 15:24

Tgt Ion:225 Resp: 305025
Ion Ratio Lower Upper
225 100
223 63.3 0.0 125.6
227 63.1 0.0 121.6





#91

Naphthalene

Concen: 166.052 ug/l

RT: 15.10 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

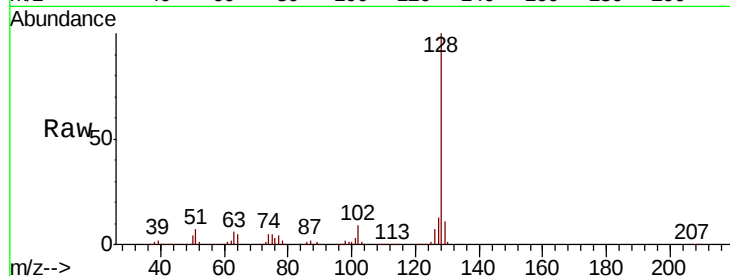
Tot Ion:128 Resp: 2079108

Ion Ratio Lower Upper

128 100

127 12.7 10.5 15.7

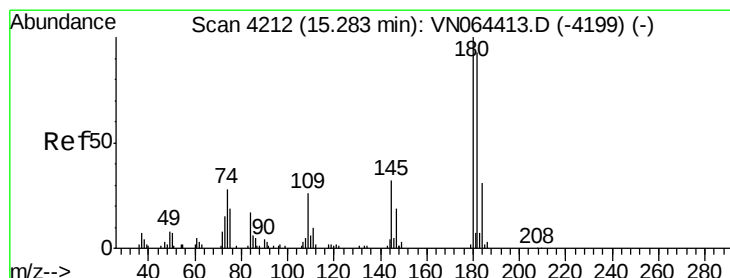
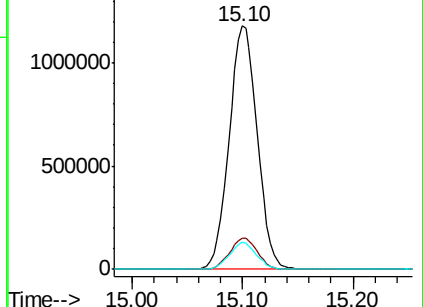
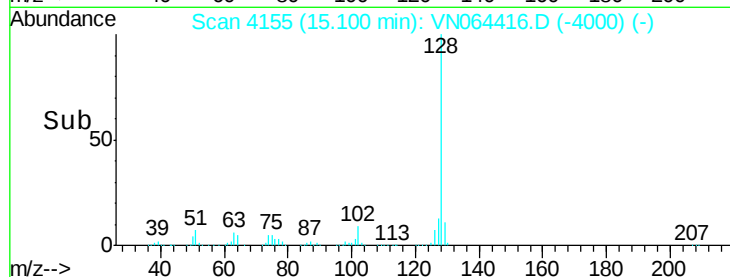
129 10.7 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 162.610 ug/l

RT: 15.28 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN064416.D

Acq: 2 Nov 2020 15:24

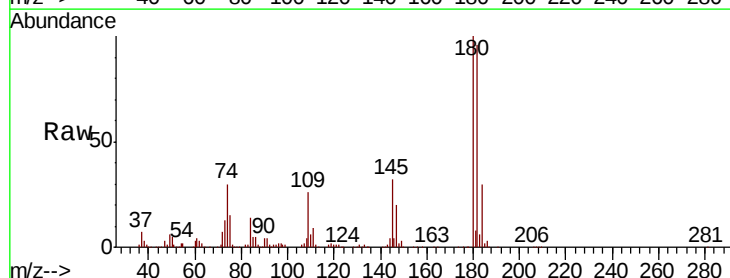
Tgt Ion:180 Resp: 659101

Ion Ratio Lower Upper

180 100

182 95.2 0.0 191.4

145 31.9 0.0 64.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

