

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102320\
 Data File : VN064282.D
 Acq On : 23 Oct 2020 11:09
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Oct 23 11:30:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 23 11:22:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	50084	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	276059	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	255756	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	128260	30.73	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.43%
60) 4-Bromofluorobenzene	12.37	95	137073	30.10	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	100.33%
63) Toluene-d8	10.06	98	338674	29.32	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.73%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	340921	103.754	ug/l 98
3) Chloromethane	2.04	50	352820	104.580	ug/l 98
4) Vinyl Chloride	2.16	62	351242	106.005	ug/l 95
5) Bromomethane	2.52	94	214233	105.026	ug/l 91
6) Chloroethane	2.67	64	205471	106.524	ug/l 95
7) Trichlorofluoromethane	2.98	101	575178	107.920	ug/l 98
8) Diethyl Ether	3.37	74	190628	105.689	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	287502	102.109	ug/l 86
10) 1,1-Dichloroethene	3.70	96	279173	101.002	ug/l 96
11) Methyl Iodide	3.91	142	421018	106.607	ug/l 98
12) Methyl Acetate	4.28	43	326500	111.001	ug/l 94
13) Acrolein	3.57	56	138800	435.756	ug/l 92
14) Acrylonitrile	4.93	53	643191	544.319	ug/l 99
15) Acetone	3.78	58	192981	576.020	ug/l 97
16) Carbon Disulfide	4.01	76	821842	104.700	ug/l 95
17) Allyl chloride	4.28	41	533102	104.600	ug/l 94
18) Methylene Chloride	4.50	84	324581	102.227	ug/l 94
19) trans-1,2-Dichloroethene	4.99	96	314589	105.426	ug/l 93
20) Diisopropyl ether	5.90	45	1041580	109.406	ug/l 89
21) 1,1-Dichloroethane	5.80	63	619019	106.795	ug/l 98
22) cis-1,2-Dichloroethene	6.78	96	365694	105.075	ug/l # 89
23) tert-Butyl Alcohol	4.73	59	289362	524.485	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	966570	105.642	ug/l 96
25) Chloroform	7.33	83	650007	107.235	ug/l 97
26) Cyclohexane	7.61	56	472605	103.028	ug/l # 99
29) 1,1-Dichloropropene	7.75	75	494115	111.510	ug/l 99
30) 2-Butanone	6.78	43	1076307	573.621	ug/l 100
31) 2,2-Dichloropropane	6.78	77	599050	105.837	ug/l 95
32) 1,1,1-Trichloroethane	7.53	97	615325	108.415	ug/l 96
33) Carbon Tetrachloride	7.73	117	568153	110.511	ug/l 95
34) Benzene	8.00	78	1346128	108.905	ug/l # 88
35) Methacrylonitrile	7.13	41	219192	109.823	ug/l 97
36) 1,2-Dichloroethane	8.08	62	570520	111.893	ug/l 98
37) Trichloroethene	8.80	130	370780	109.101	ug/l 98
38) Methylcyclohexane	9.05	83	448008	106.062	ug/l 96
39) 1,2-Dichloropropane	9.08	63	361240	108.855	ug/l 95
40) Dibromomethane	9.17	93	250659	107.876	ug/l 93

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Instrument :
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 VSTDIC100

Quant Time: Oct 23 11:30:38 2020
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 23 11:22:09 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	539962	108.537	ug/l	92
42) Vinyl Acetate	5.84	43	4851498	556.039	ug/l	100
44) Isopropyl Acetate	8.13	43	826554	108.151	ug/l	100
45) 1,4-Dioxane	9.16	88	101830	2255.747	ug/l	88
46) Methyl methacrylate	9.16	41	408143	111.262	ug/l	92
47) n-amyl Acetate	12.04	43	740511	109.197	ug/l	98
48) t-1,3-Dichloropropene	10.35	75	618807	110.020	ug/l	99
49) cis-1,3-Dichloropropene	9.81	75	634773	109.615	ug/l	97
50) 1,1,2-Trichloroethane	10.53	97	330646	107.434	ug/l #	94
51) Ethyl methacrylate	10.40	69	529271	110.150	ug/l	86
52) 1,3-Dichloropropane	10.68	76	582507	109.475	ug/l	100
53) Dibromochloromethane	10.87	129	420799	110.148	ug/l	93
54) 1,2-Dibromoethane	10.98	107	359060	110.231	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	1368547	624.277	ug/l	99
56) Bromoform	12.10	173	303141	113.284	ug/l #	96
58) 4-Methyl-2-Pentanone	9.95	43	2278923	540.155	ug/l	99
59) 2-Hexanone	10.72	43	1683389	537.141	ug/l	99
61) Tetrachloroethene	10.60	164	354645	105.788	ug/l	97
62) Toluene	10.13	91	1501485	106.249	ug/l	100
64) Chlorobenzene	11.41	112	941502	107.194	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	368786	106.529	ug/l	99
66) Ethyl Benzene	11.48	91	1728705	106.729	ug/l	99
67) m/p-Xylenes	11.59	106	1298117	215.131	ug/l	98
68) o-Xylene	11.92	106	623913	106.597	ug/l	94
69) Styrene	11.94	104	1067270	108.131	ug/l	98
70) Isopropylbenzene	12.22	105	1662585	107.772	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	445653	105.168	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	680395	152.409	ug/l	64
73) Bromobenzene	12.50	156	406186	109.602	ug/l	97
74) n-propylbenzene	12.57	91	1923261	108.860	ug/l	99
75) 2-Chlorotoluene	12.65	91	1179793	108.188	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	1414844	107.598	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	187155	107.896	ug/l	93
78) 4-Chlorotoluene	12.75	91	1244719	108.691	ug/l	99
79) tert-butylbenzene	12.97	119	1154304	107.245	ug/l	100
80) 1,2,4-Trimethylbenzene	13.01	105	1434060	107.978	ug/l	100
81) sec-Butylbenzene	13.14	105	1493196	107.411	ug/l	98
82) p-Isopropyltoluene	13.26	119	1379840	106.966	ug/l	96
83) 1,3-Dichlorobenzene	13.26	146	724799	108.318	ug/l	99
84) 1,4-Dichlorobenzene	13.33	146	735651	110.497	ug/l	99
85) n-Butylbenzene	13.59	91	1215235	106.442	ug/l	97
86) Hexachloroethane	13.85	117	238090	107.836	ug/l	95
87) 1,2-Dichlorobenzene	13.63	146	709125	108.632	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	113162	104.369	ug/l	95
89) 1,2,4-Trichlorobenzene	14.88	180	408101	106.015	ug/l	92
90) Hexachlorobutadiene	14.98	225	211949	106.376	ug/l	99
91) Naphthalene	15.10	128	1218716	104.277	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	389949	105.615	ug/l	98

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ClientSampleId :
VSTDICC100

Quant Time: Oct 23 11:30:38 2020
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 23 11:22:09 2020
Response via : Initial Calibration

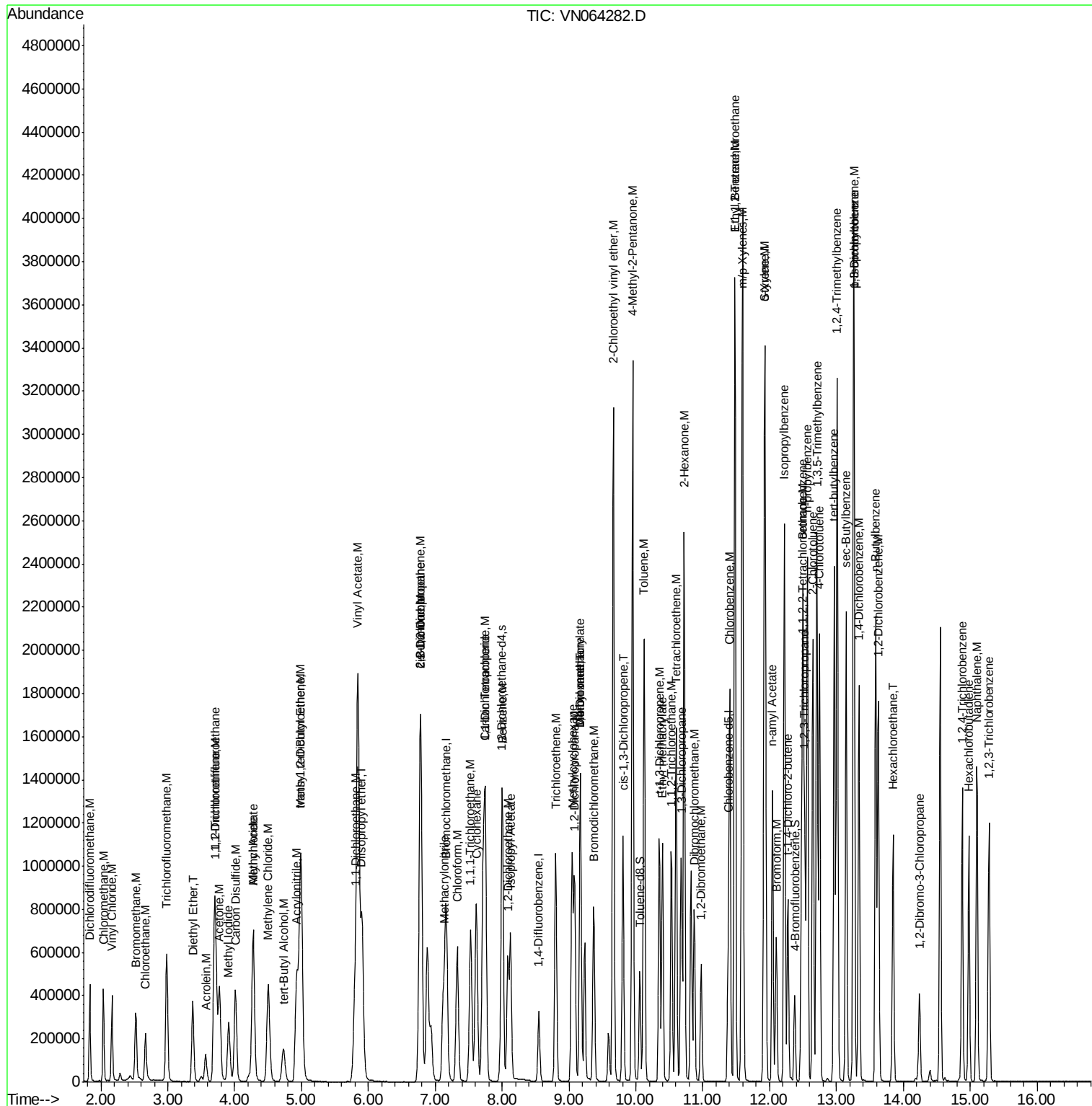
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

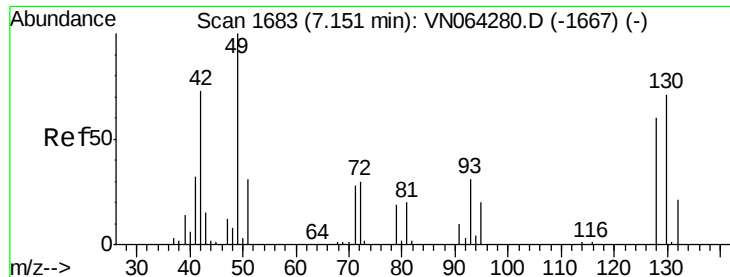
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102320\
Data File : VN064282.D
Acq On : 23 Oct 2020 11:09
Operator : JC/MD
Sample : VSTDIC100
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Quant Time: Oct 23 11:30:38 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N102320W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 23 11:22:09 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VN064282.D

Acq: 23 Oct 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

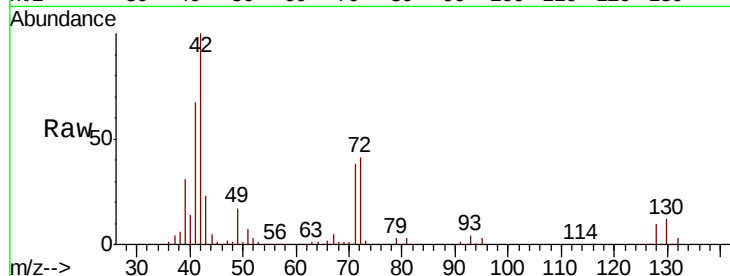
Tot Ion:128 Resp: 50084

Ion Ratio Lower Upper

128 100

49 182.7 0.0 445.0

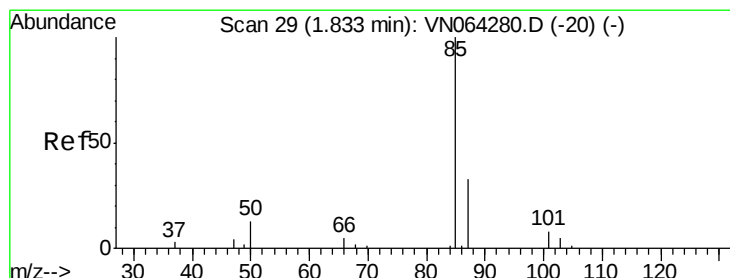
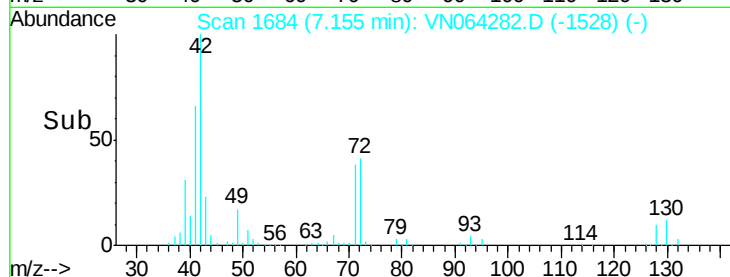
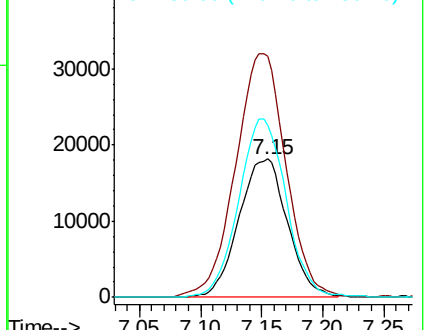
130 125.4 0.0 320.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 103.754 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064282.D

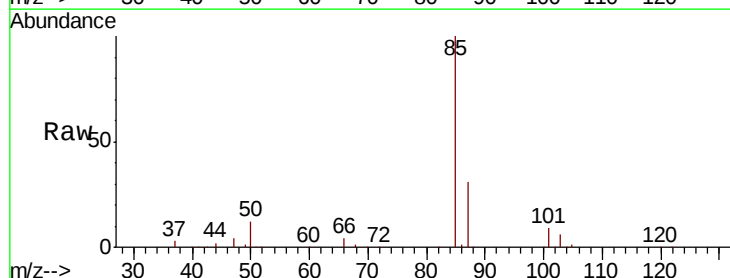
Acq: 23 Oct 2020 11:09

Tgt Ion: 85 Resp: 340921

Ion Ratio Lower Upper

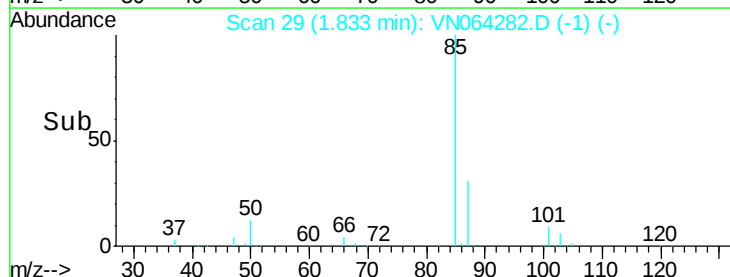
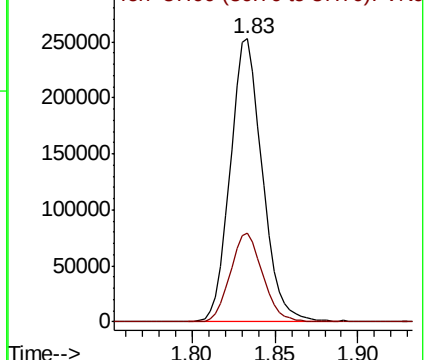
85 100

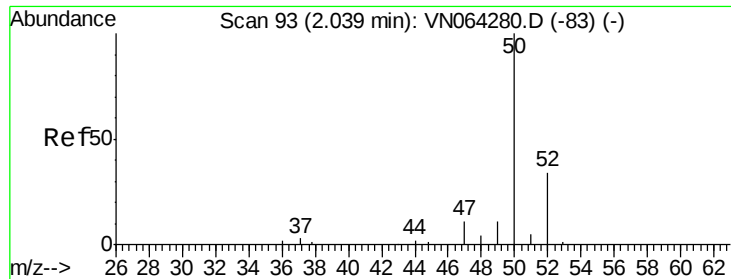
87 31.4 16.4 49.2



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN

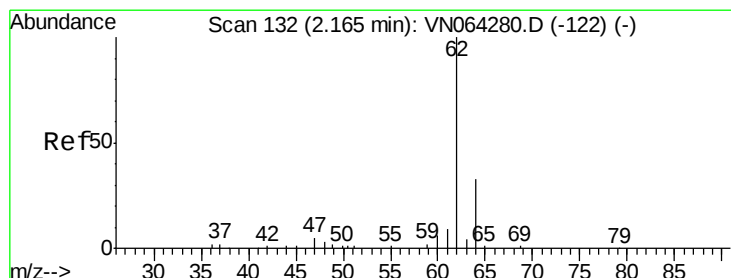
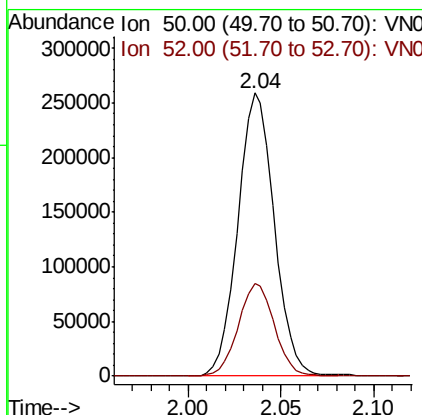
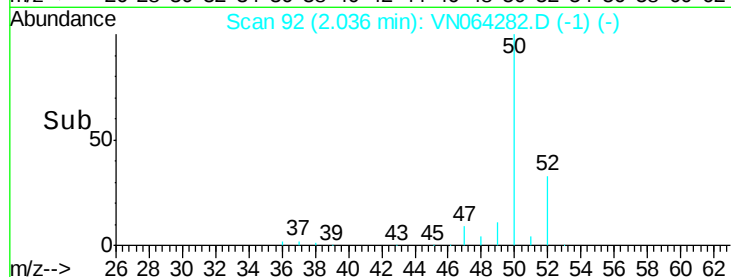
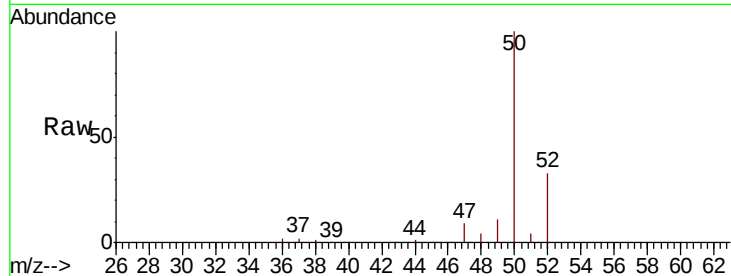




#3
Chloromethane
Concen: 104.580 ug/l
RT: 2.04 min Scan# 92
Delta R.T. -0.00 min
Lab File: VN064282.D
Acq: 23 Oct 2020 11:09

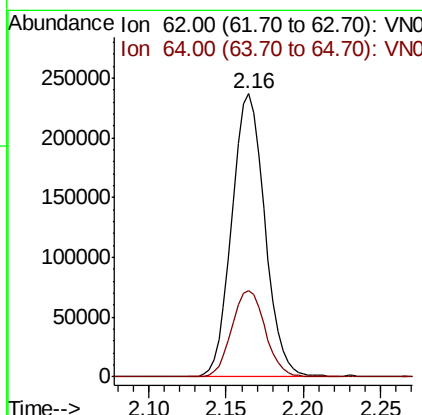
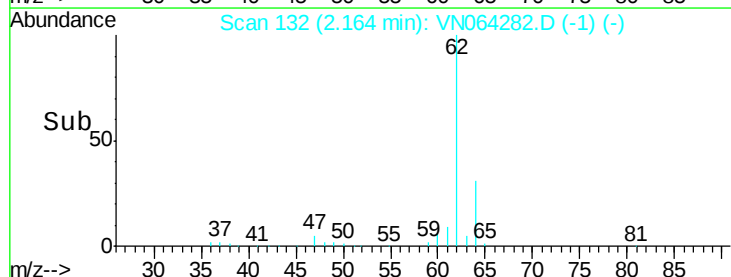
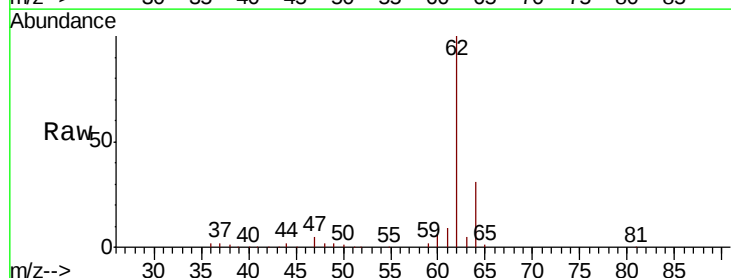
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

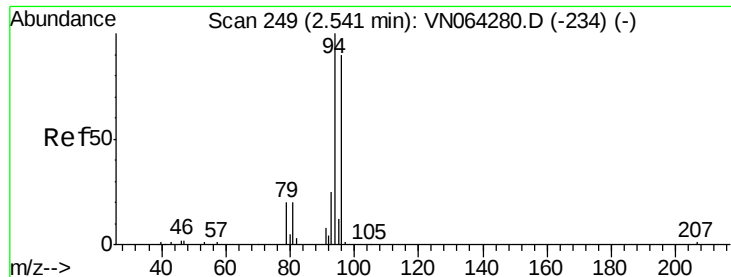
Tot Ion: 50 Resp: 352820
Ion Ratio Lower Upper
50 100
52 32.8 27.1 40.7



#4
Vinyl Chloride
Concen: 106.005 ug/l
RT: 2.16 min Scan# 132
Delta R.T. -0.00 min
Lab File: VN064282.D
Acq: 23 Oct 2020 11:09

Tgt Ion: 62 Resp: 351242
Ion Ratio Lower Upper
62 100
64 30.6 26.6 39.8





#5

Bromomethane

Concen: 105.026 ug/l

RT: 2.52 min Scan# 243

Delta R.T. -0.02 min

Lab File: VN064282.D

Acq: 23 Oct 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

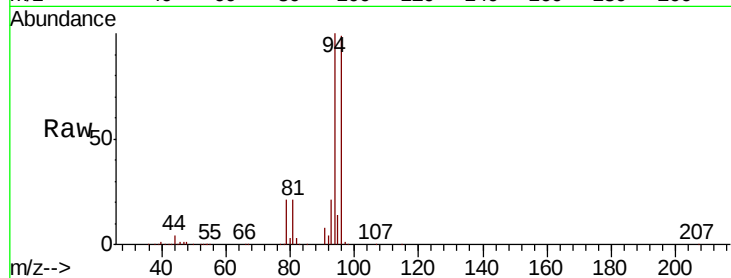
VSTDIC100

Tot Ion: 94 Resp: 214233

Ion Ratio Lower Upper

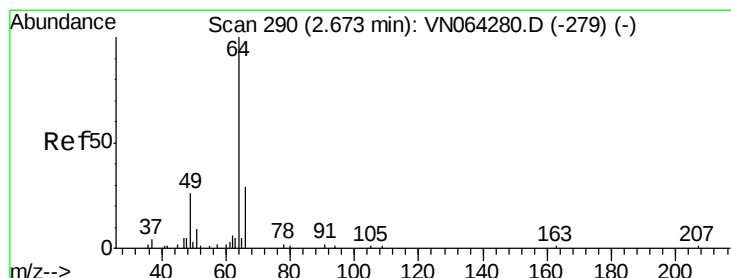
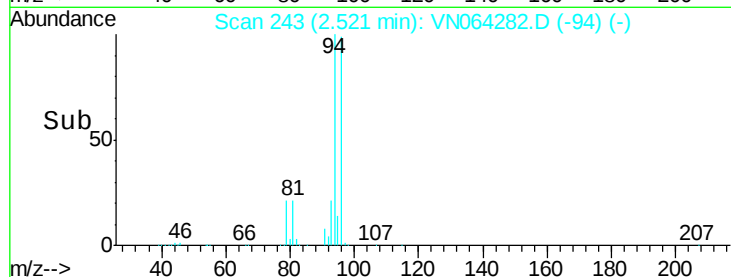
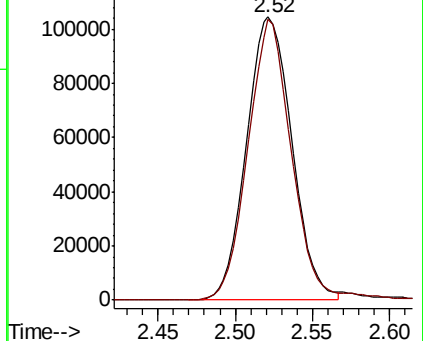
94 100

96 99.1 72.4 108.6



Abundance Ion 94.00 (93.70 to 94.70): VN064282.D (-94) (-)

Ion 96.00 (95.70 to 96.70): VN064282.D (-96) (-)



#6

Chloroethane

Concen: 106.524 ug/l

RT: 2.67 min Scan# 288

Delta R.T. -0.01 min

Lab File: VN064282.D

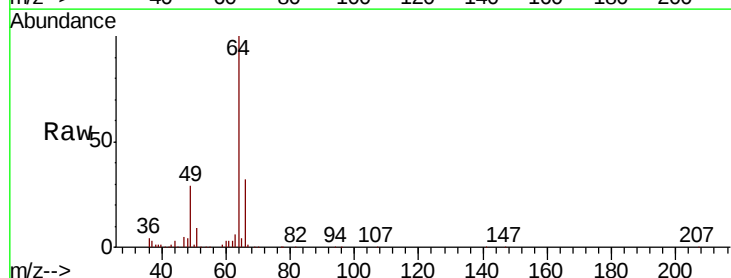
Acq: 23 Oct 2020 11:09

Tgt Ion: 64 Resp: 205471

Ion Ratio Lower Upper

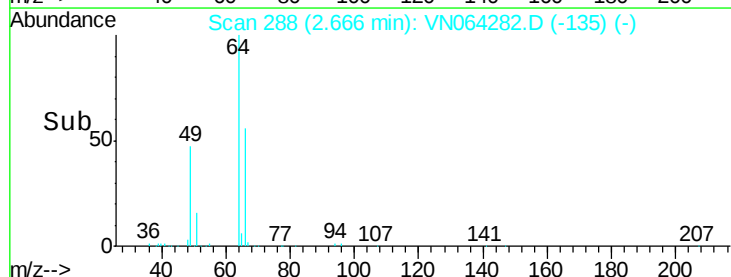
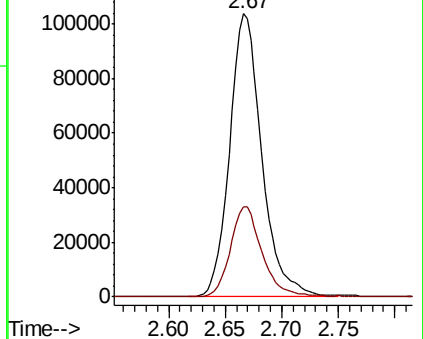
64 100

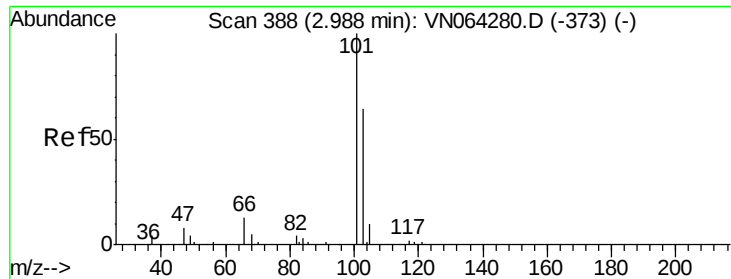
66 31.9 23.4 35.2



Abundance Ion 64.00 (63.70 to 64.70): VN064282.D (-135) (-)

Ion 66.00 (65.70 to 66.70): VN064282.D (-136) (-)



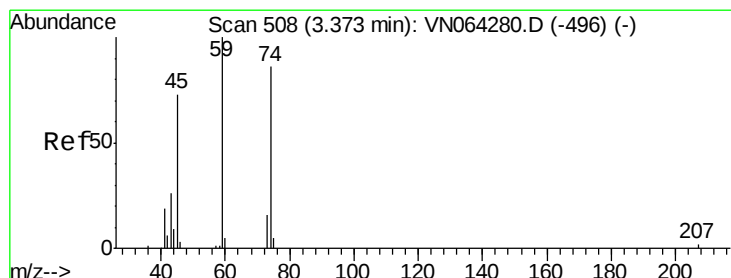
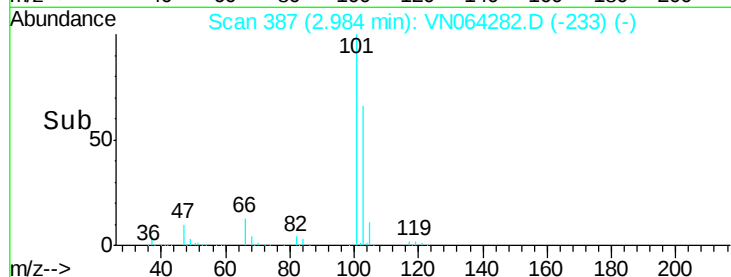
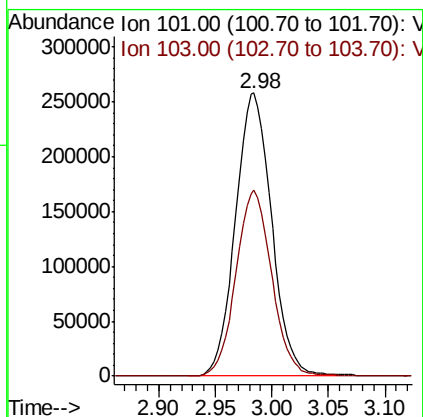
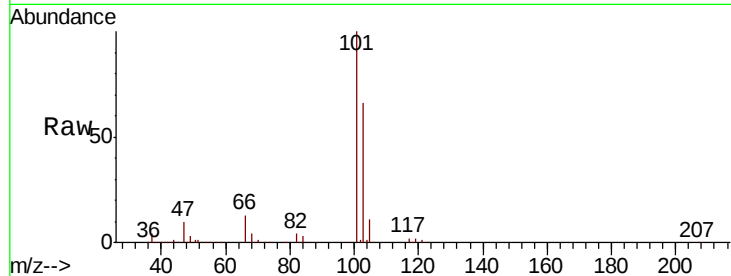


#7

Trichlorofluoromethane
 Concen: 107.920 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN064282.D
 Acq: 23 Oct 2020 11:09

Instrument :
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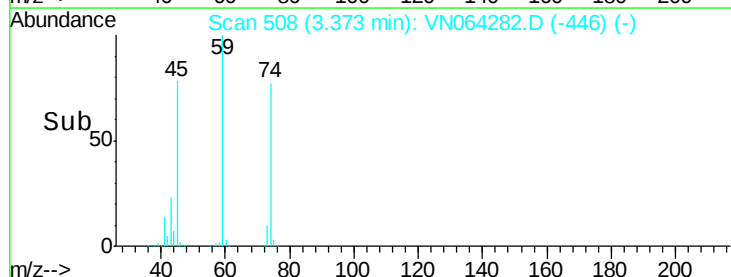
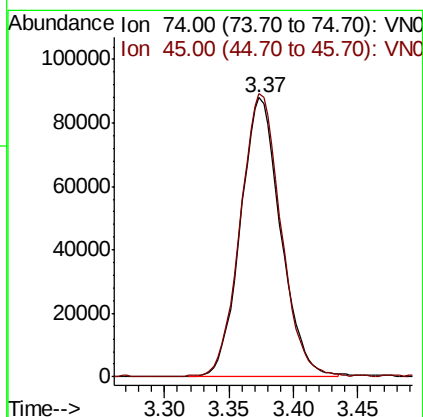
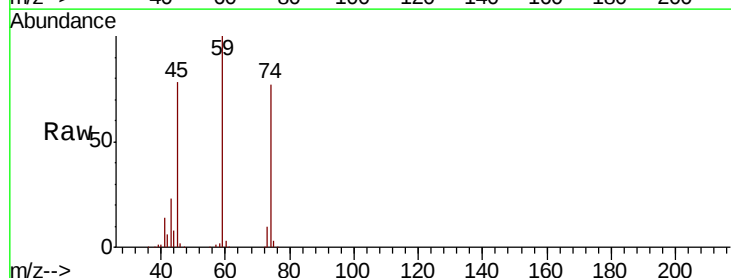
Tot Ion:101 Resp: 575178
 Ion Ratio Lower Upper
 101 100
 103 65.7 51.4 77.0

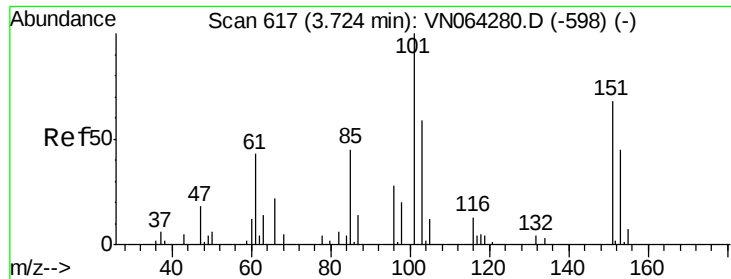


#8

Diethyl Ether
 Concen: 105.689 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN064282.D
 Acq: 23 Oct 2020 11:09

Tgt Ion: 74 Resp: 190628
 Ion Ratio Lower Upper
 74 100
 45 102.2 21.3 191.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 102.109 ug/l

RT: 3.72 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN064282.D

Acq: 23 Oct 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

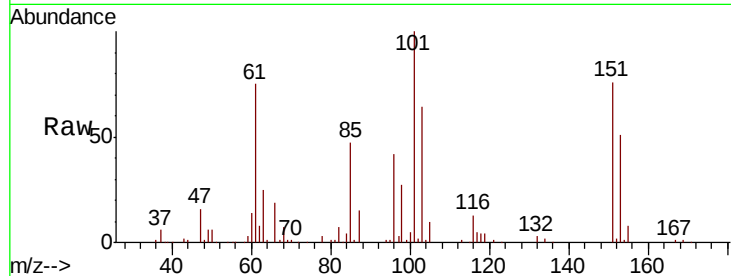
Tot Ion:101 Resp: 287502

Ion Ratio Lower Upper

101 100

85 47.2 0.0 47.4

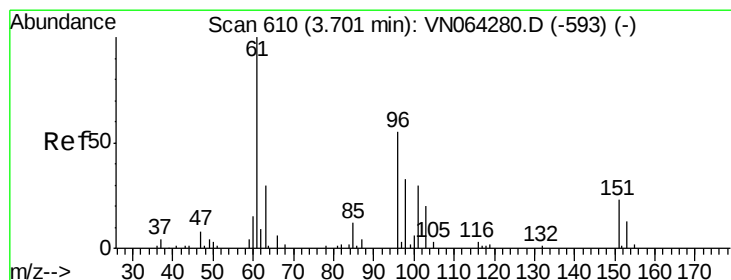
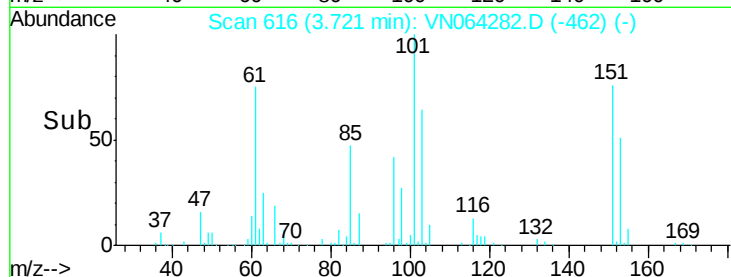
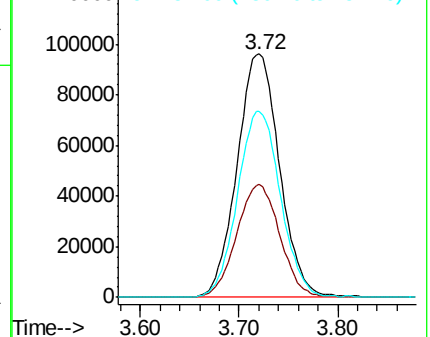
151 77.2 0.0 148.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 101.002 ug/l

RT: 3.70 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN064282.D

Acq: 23 Oct 2020 11:09

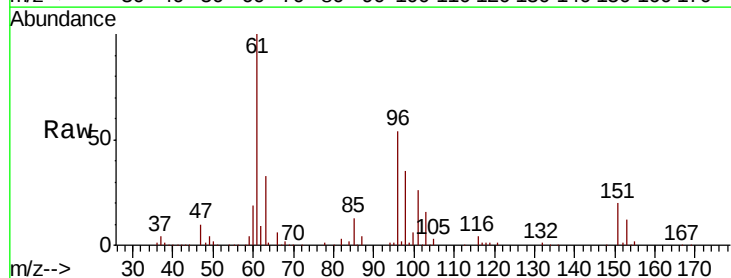
Tgt Ion: 96 Resp: 279173

Ion Ratio Lower Upper

96 100

61 184.6 144.2 216.4

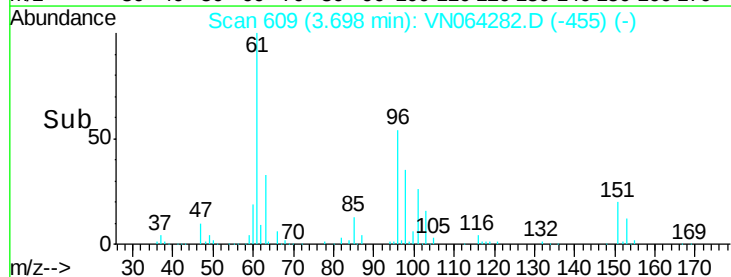
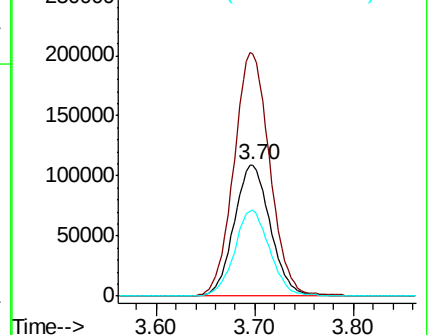
98 65.2 47.4 71.0

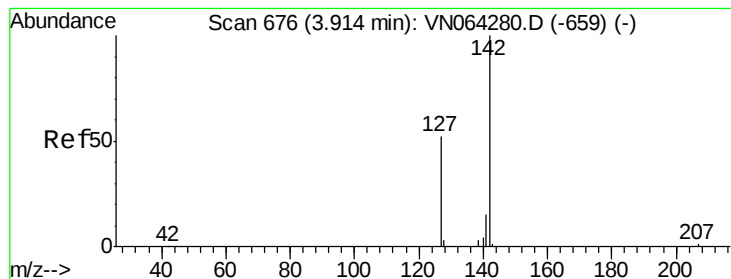


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN





#11

Methyl Iodide

Concen: 106.607 ug/l

RT: 3.91 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN064282.D

Acq: 23 Oct 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

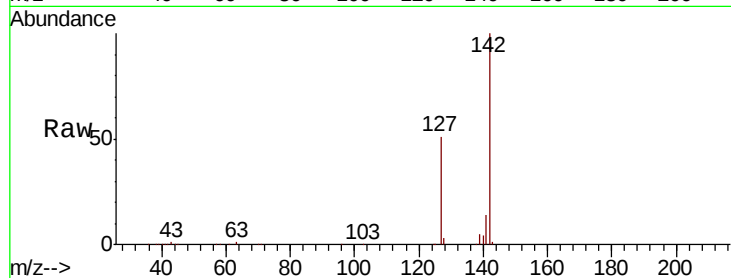
Tot Ion:142 Resp: 421018

Ion Ratio Lower Upper

142 100

127 51.1 25.9 77.8

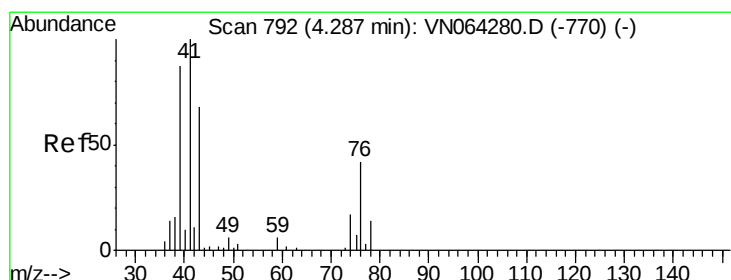
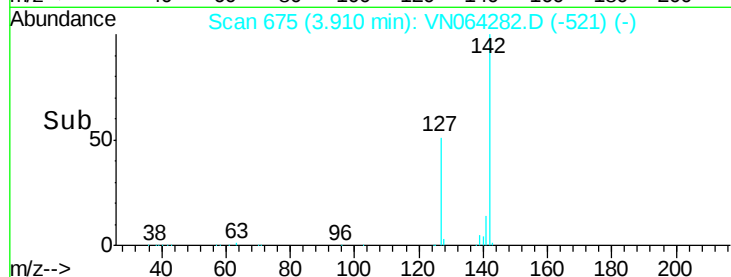
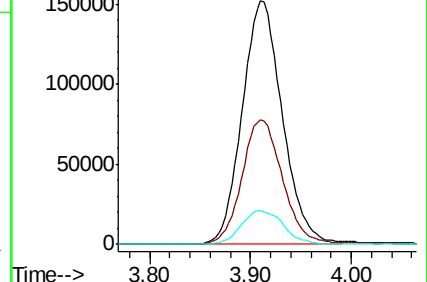
141 14.0 7.5 22.6



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12

Methyl Acetate

Concen: 111.001 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.01 min

Lab File: VN064282.D

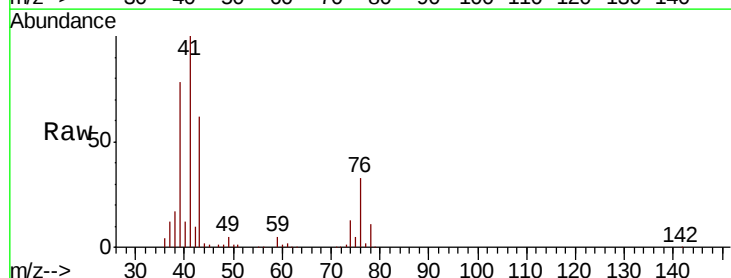
Acq: 23 Oct 2020 11:09

Tgt Ion: 43 Resp: 326500

Ion Ratio Lower Upper

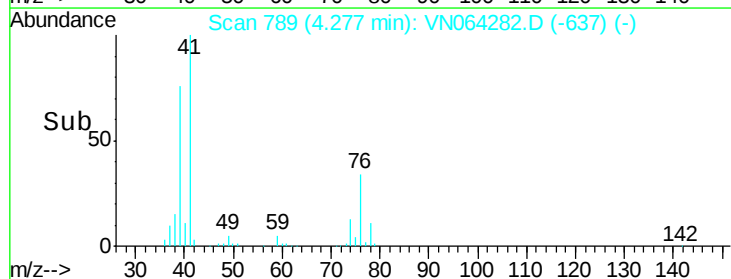
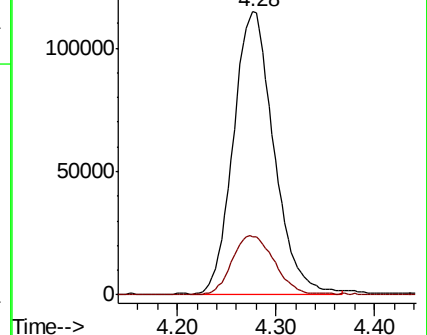
43 100

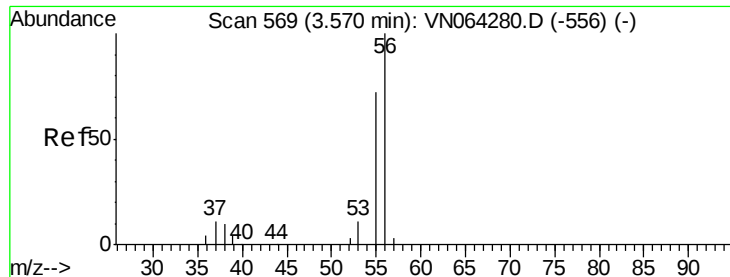
74 20.7 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 435.756 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN064282.D

Acq: 23 Oct 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

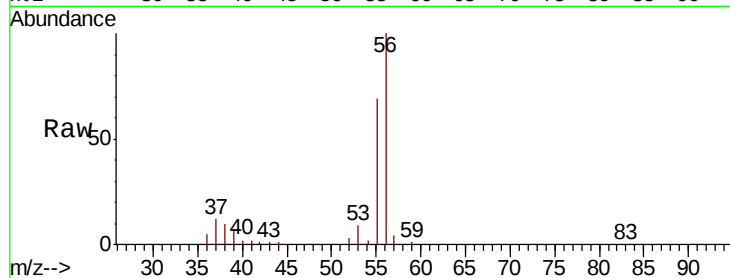
VSTDIC100

Tot Ion: 56 Resp: 138800

Ion Ratio Lower Upper

56 100

55 69.8 61.0 91.6



Abundance Ion 56.00 (55.70 to 56.70): VN064282.D (-556) (-)

Ion 55.00 (54.70 to 55.70): VN064282.D (-556) (-)

3.57

60000

50000

40000

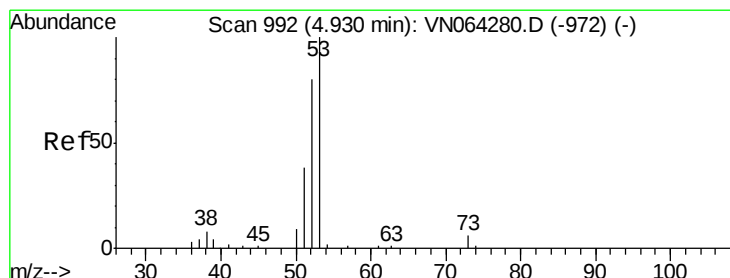
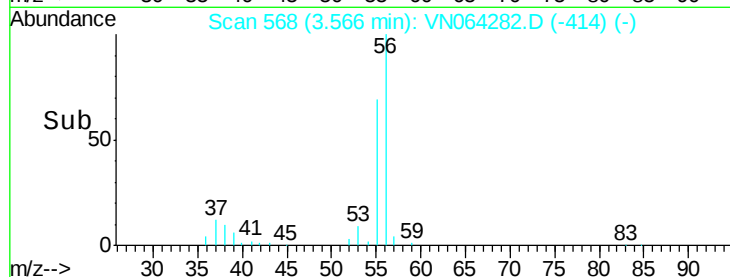
30000

20000

10000

0

Time-->



#14

Acrylonitrile

Concen: 544.319 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN064282.D

Acq: 23 Oct 2020 11:09

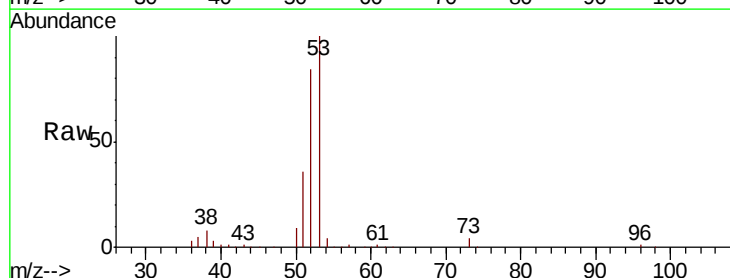
Tgt Ion: 53 Resp: 643191

Ion Ratio Lower Upper

53 100

52 84.5 41.7 125.1

51 38.6 18.9 56.7



Abundance Ion 53.00 (52.70 to 53.70): VN064282.D (-837) (-)

Ion 52.00 (51.70 to 52.70): VN064282.D (-837) (-)

Ion 51.00 (50.70 to 51.70): VN064282.D (-837) (-)

4.93

250000

200000

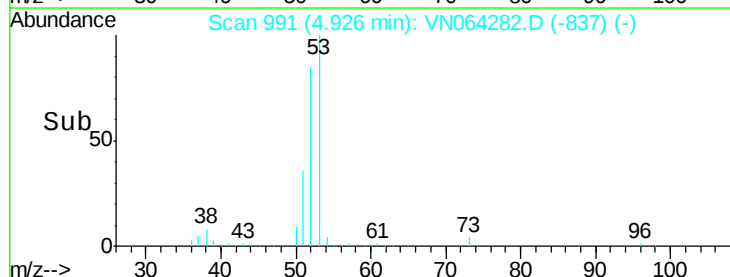
150000

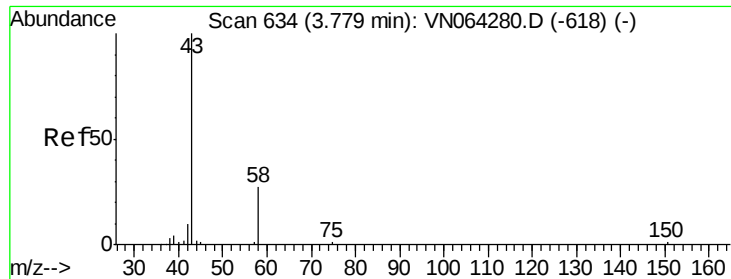
100000

50000

0

Time-->





#15

Acetone

Concen: 576.020 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN064282.D

Acq: 23 Oct 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

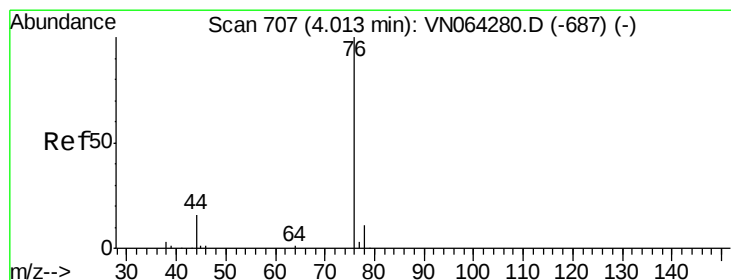
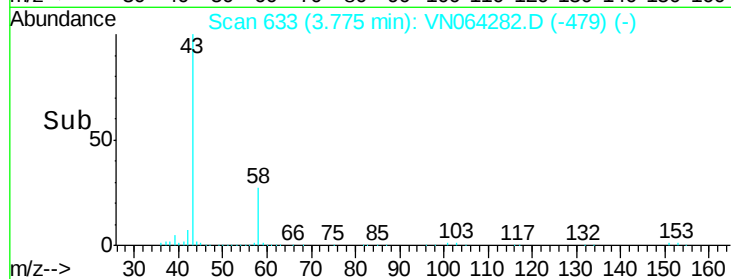
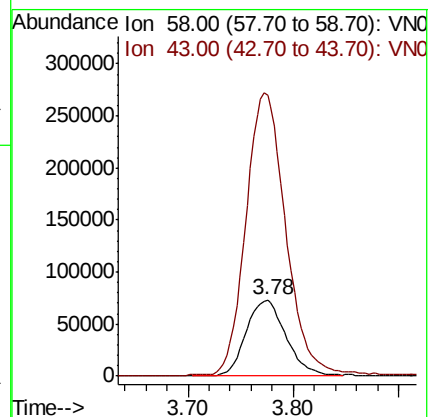
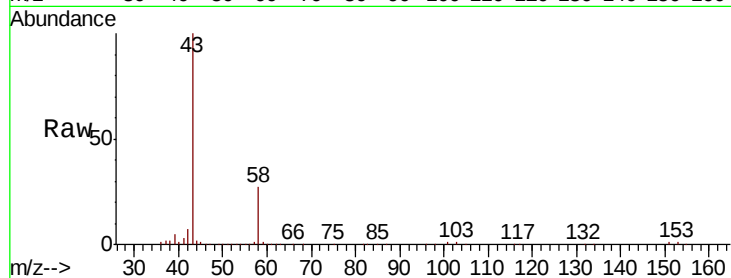
VSTDIC100

Tot Ion: 58 Resp: 192981

Ion Ratio Lower Upper

58 100

43 364.0 297.4 446.0



#16

Carbon Disulfide

Concen: 104.700 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN064282.D

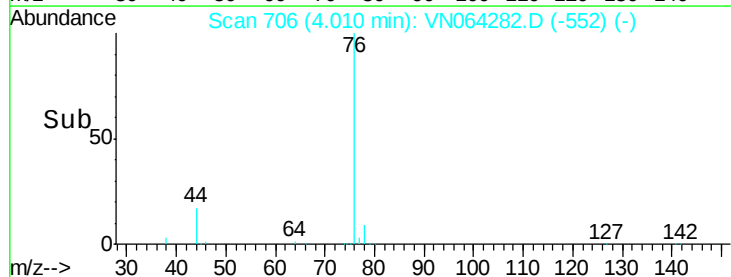
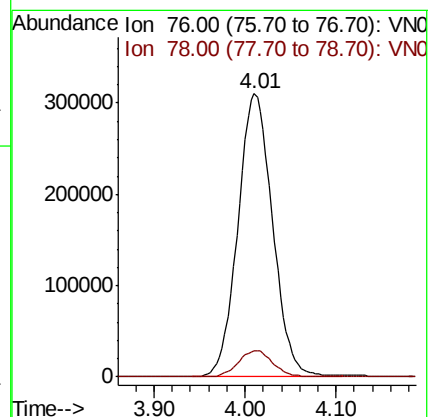
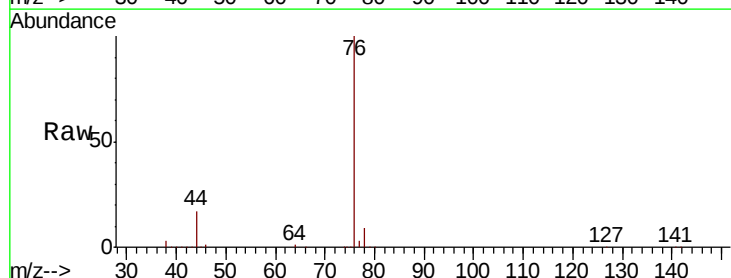
Acq: 23 Oct 2020 11:09

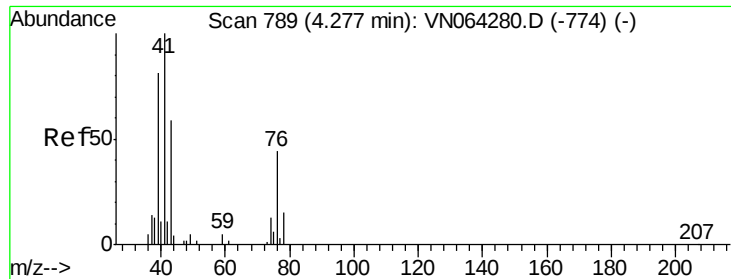
Tgt Ion: 76 Resp: 821842

Ion Ratio Lower Upper

76 100

78 9.1 9.0 13.4

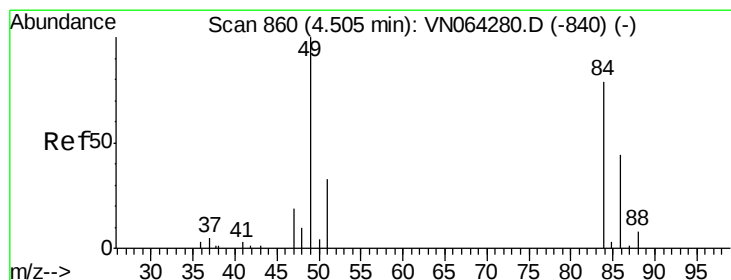
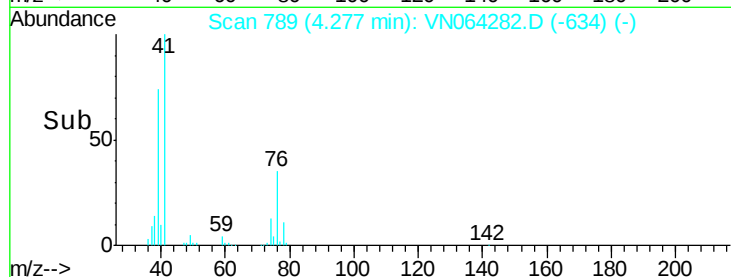
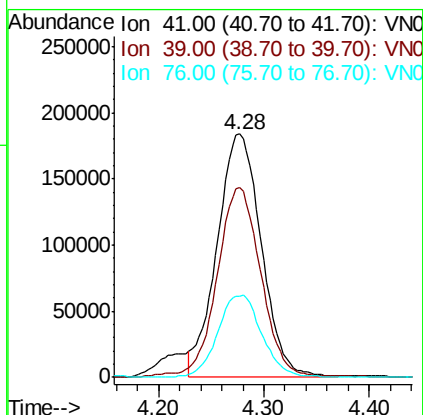
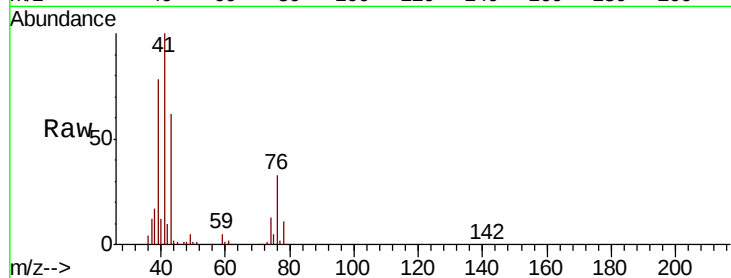




#17
Allvl chloride
Concen: 104.600 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064282.D
Acq: 23 Oct 2020 11:09

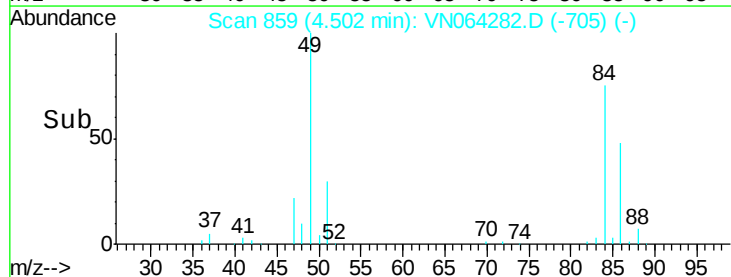
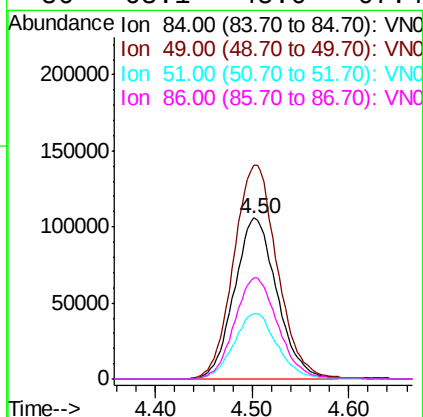
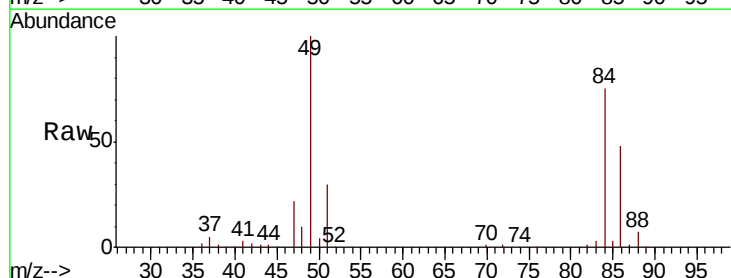
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

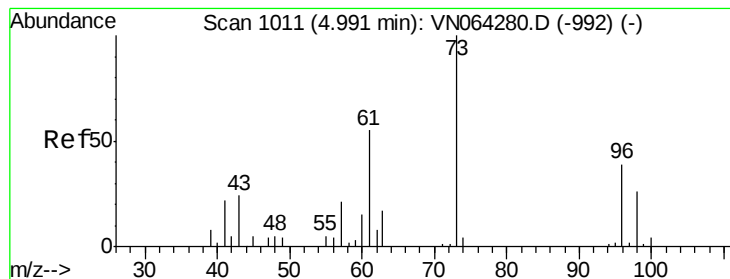
Tot Ion: 41 Resp: 533102
Ion Ratio Lower Upper
41 100
39 78.0 39.9 119.6
76 33.4 21.4 64.2



#18
Methylene Chloride
Concen: 102.227 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064282.D
Acq: 23 Oct 2020 11:09

Tgt Ion: 84 Resp: 324581
Ion Ratio Lower Upper
84 100
49 132.4 101.1 151.7
51 40.2 33.4 50.0
86 63.1 45.0 67.4





#19

trans-1,2-Dichloroethene

Concen: 105.426 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VN064282.D

Acq: 23 Oct 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

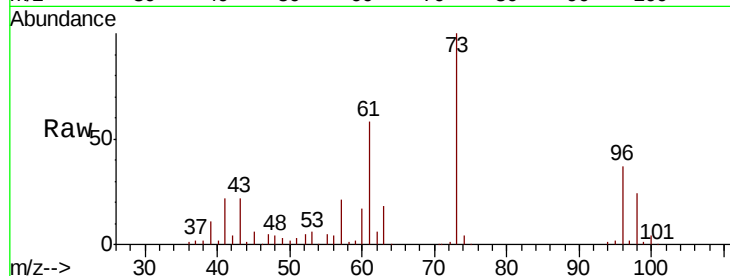
Tot Ion: 96 Resp: 314589

Ion Ratio Lower Upper

96 100

61 153.7 114.2 171.2

98 63.9 52.8 79.2

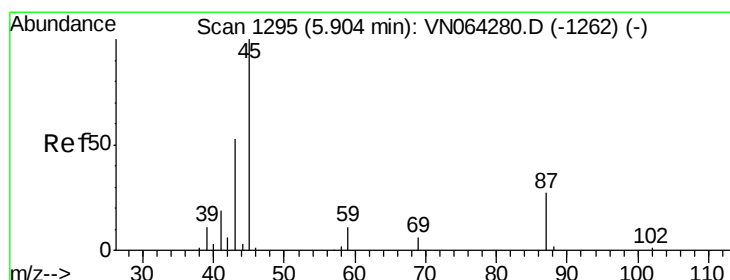
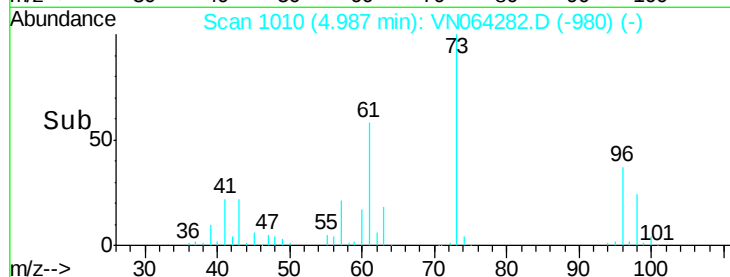
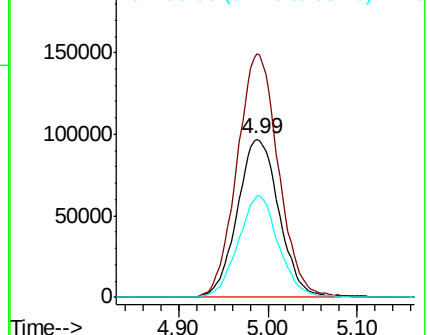


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 109.406 ug/l

RT: 5.90 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VN064282.D

Acq: 23 Oct 2020 11:09

Tgt Ion: 45 Resp: 1041580

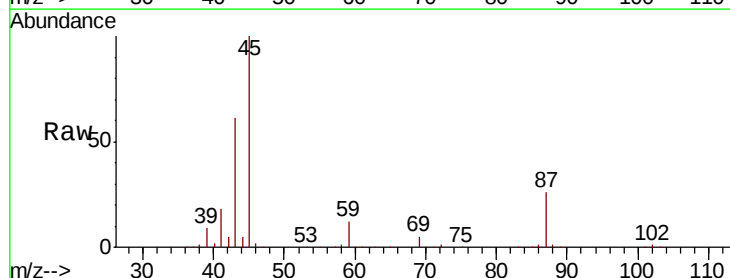
Ion Ratio Lower Upper

45 100

43 59.4 58.9 88.3

87 26.0 21.0 31.4

59 11.2 9.1 13.7



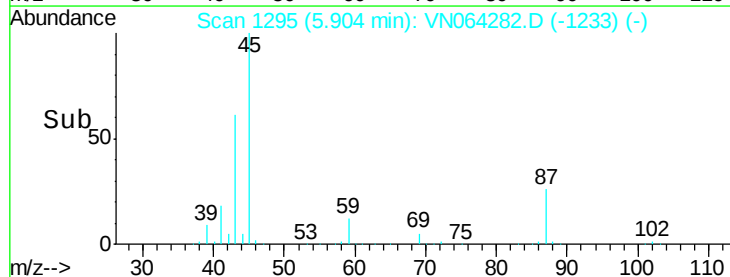
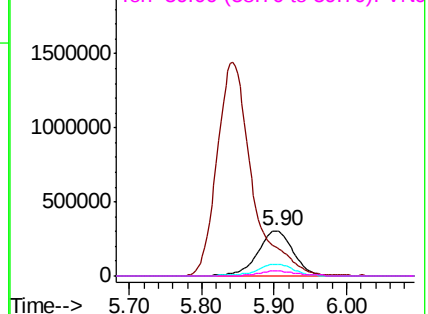
Abundance

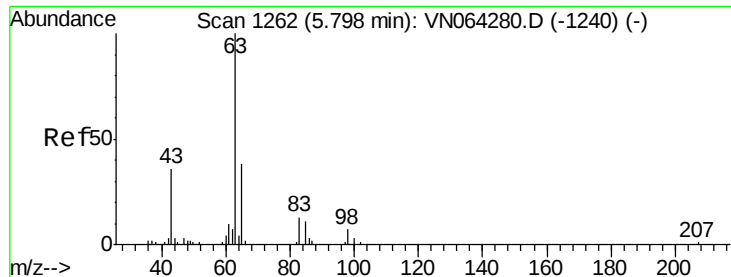
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

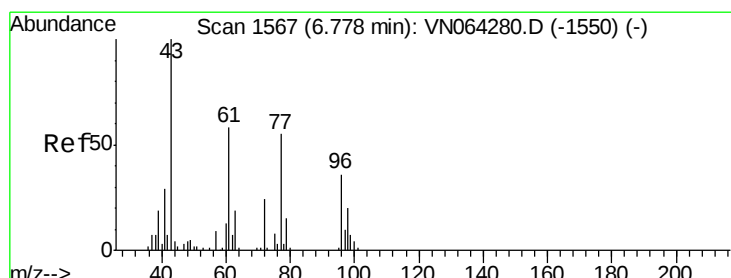
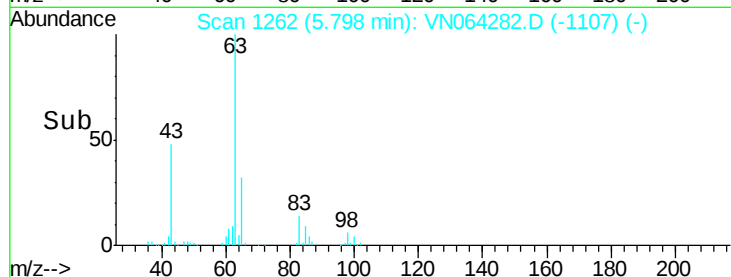
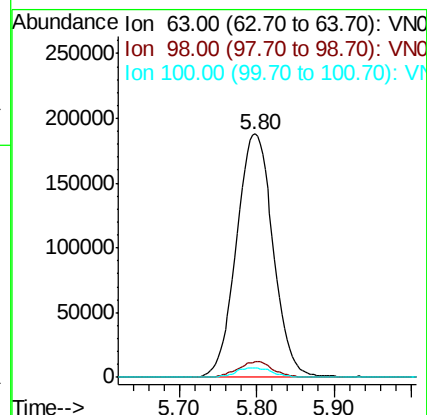
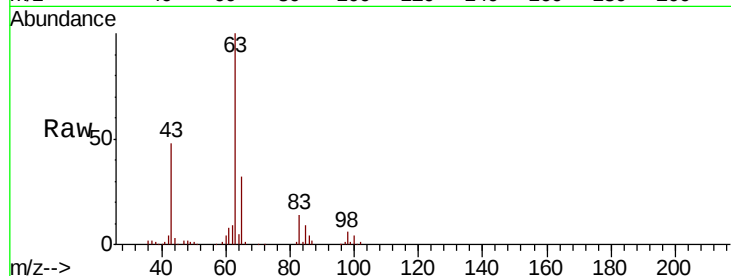




#21
 1,1-Dichloroethane
 Concen: 106.795 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VN064282.D
 Acq: 23 Oct 2020 11:09

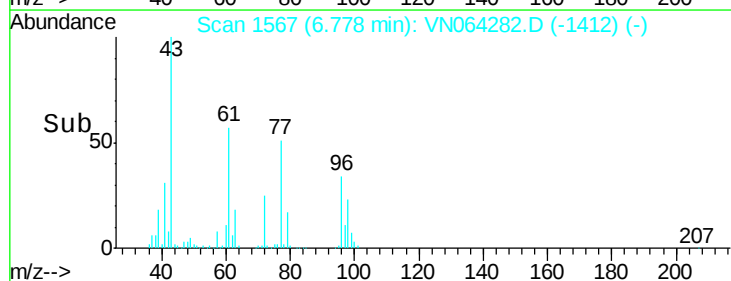
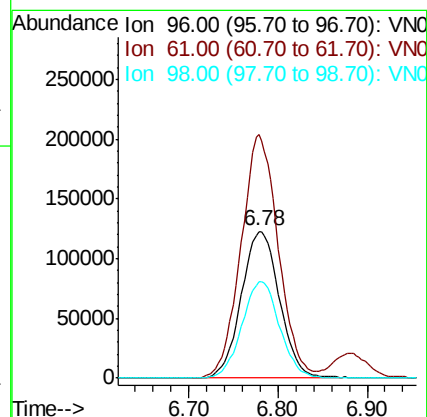
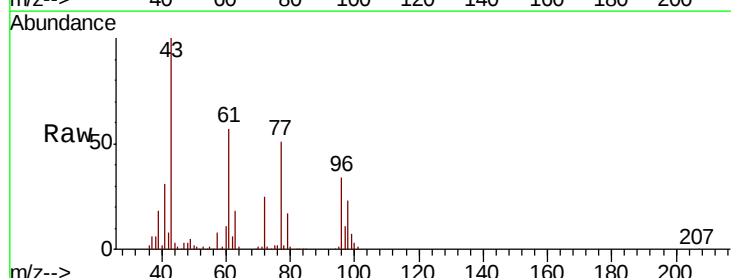
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

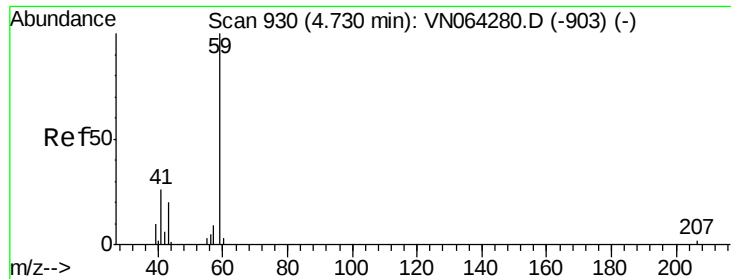
Tot Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.5	10.6
100	3.8	1.6	4.7



#22
 cis-1,2-Dichloroethene
 Concen: 105.075 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN064282.D
 Acq: 23 Oct 2020 11:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.8	132.2	198.2
98	64.7	26.5	39.7





#23

tert-Butyl Alcohol

Concen: 524.485 ug/l

RT: 4.73 min Scan# 930

Delta R.T. -0.00 min

Lab File: VN064282.D

Acq: 23 Oct 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

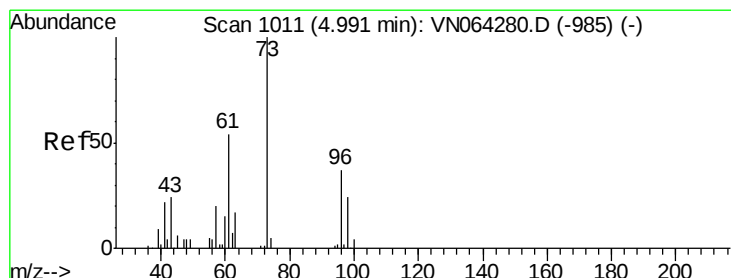
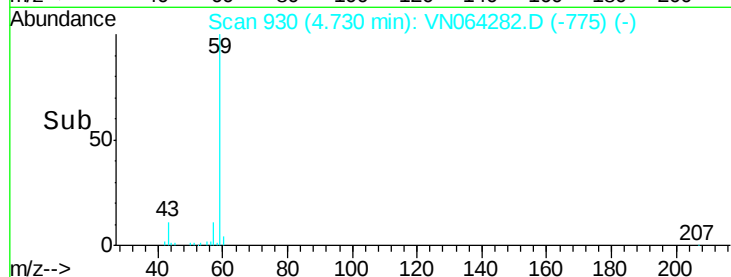
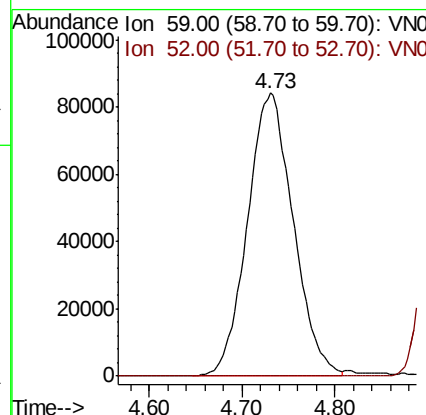
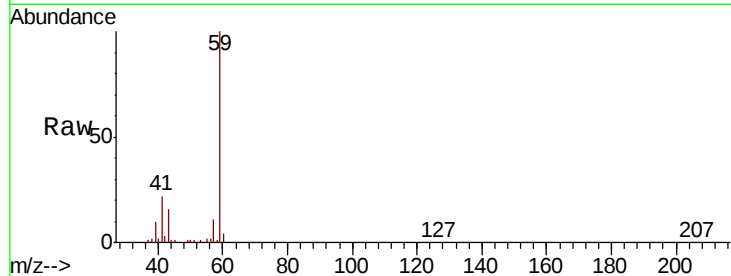
VSTDIC100

Tot Ion: 59 Resp: 289362

Ion Ratio Lower Upper

59 100

52 0.1 0.2 0.2#



#24

Methyl tert-Butyl Ether

Concen: 105.642 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VN064282.D

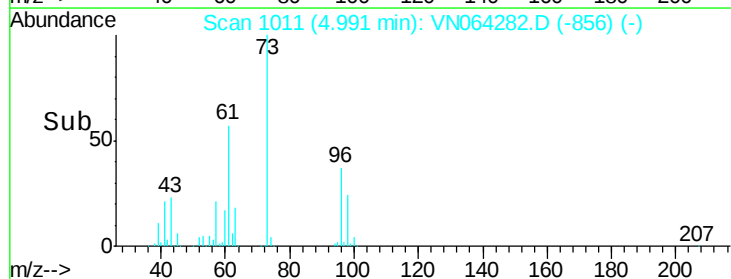
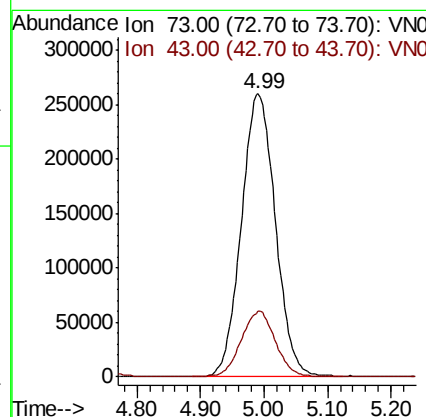
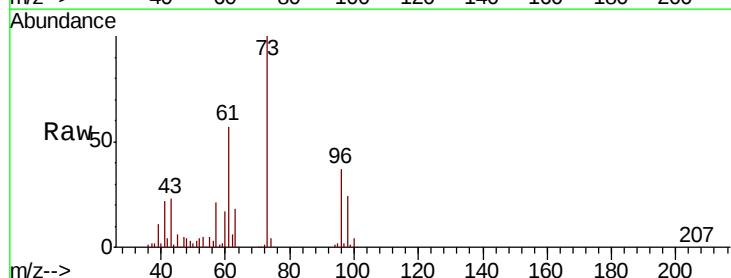
Acq: 23 Oct 2020 11:09

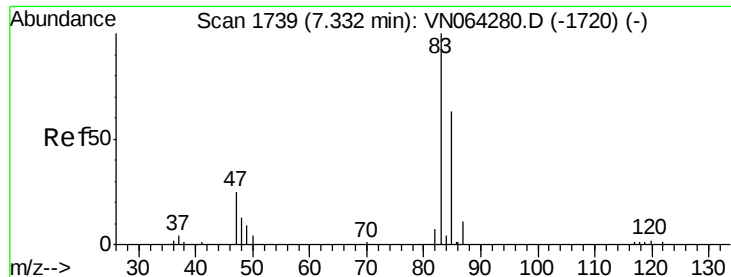
Tgt Ion: 73 Resp: 966570

Ion Ratio Lower Upper

73 100

43 22.8 19.7 29.5

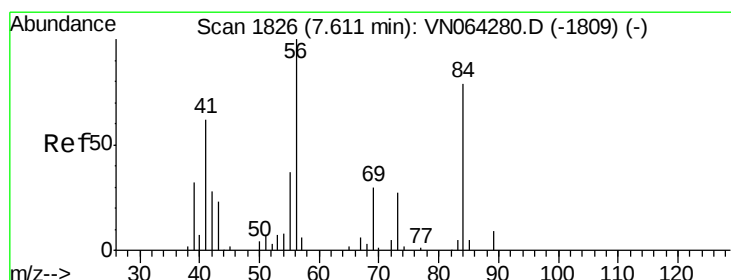
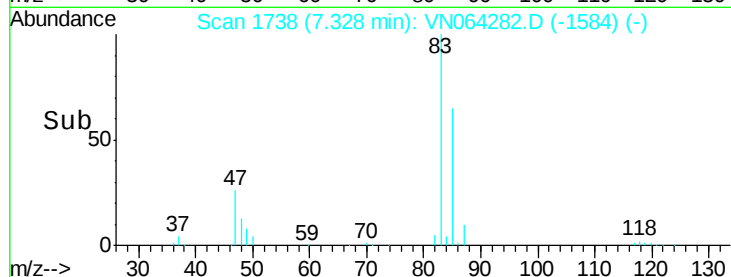
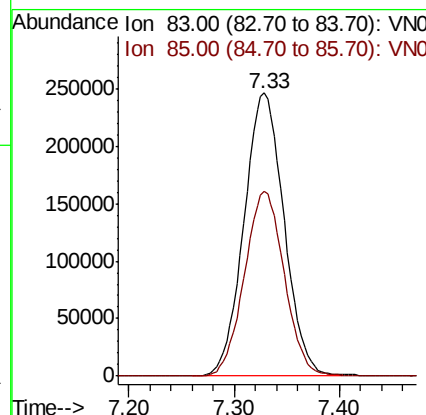
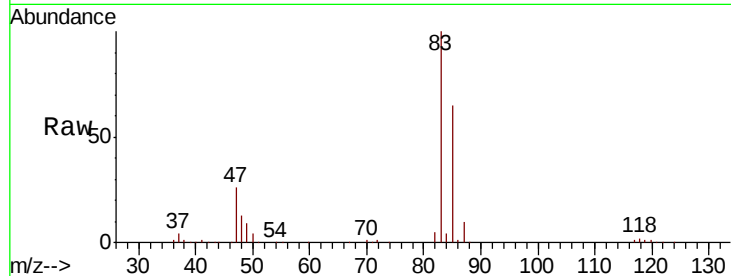




#25
Chloroform
Concen: 107.235 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN064282.D
Acq: 23 Oct 2020 11:09

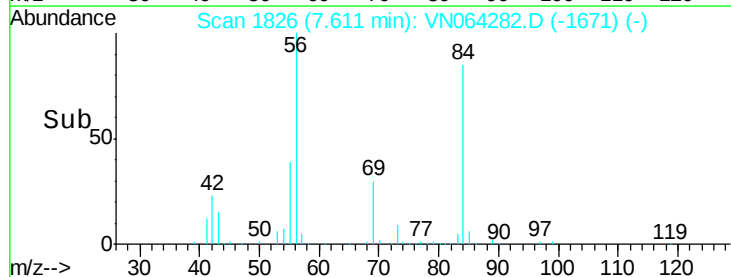
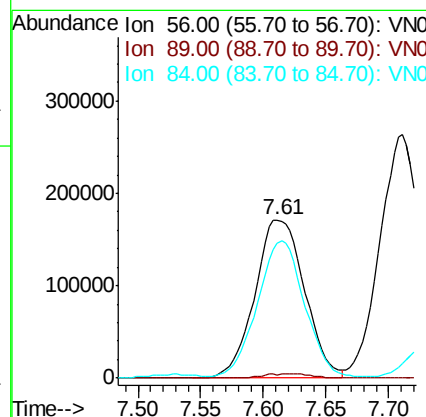
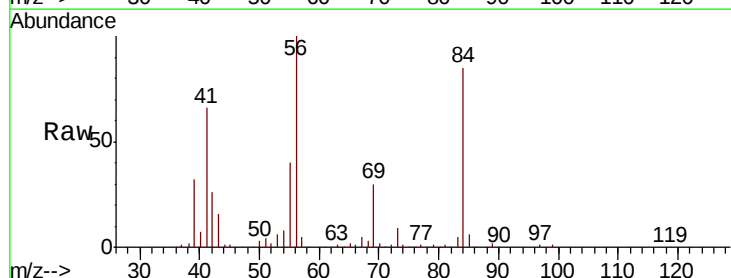
Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

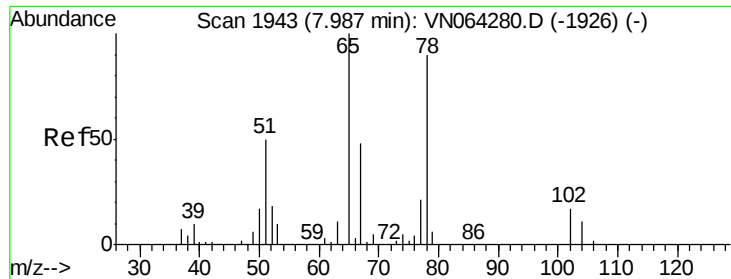
Tot Ion: 83 Resp: 650007
Ion Ratio Lower Upper
83 100
85 65.5 50.3 75.5



#26
Cyclohexane
Concen: 103.028 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN064282.D
Acq: 23 Oct 2020 11:09

Tgt Ion: 56 Resp: 472605
Ion Ratio Lower Upper
56 100
89 1.0 3.4 5.2#
84 83.1 66.2 99.2

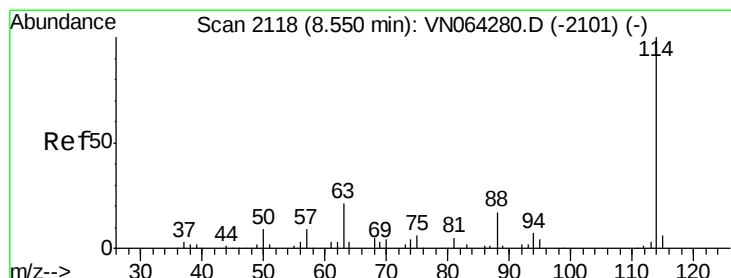
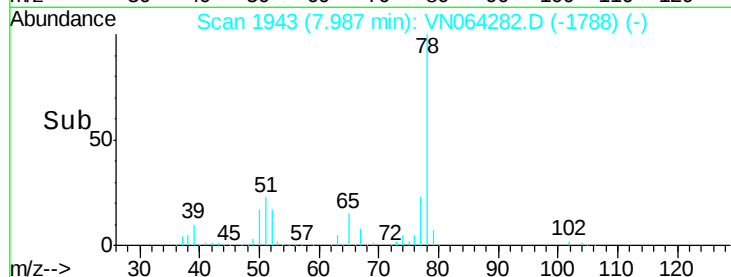
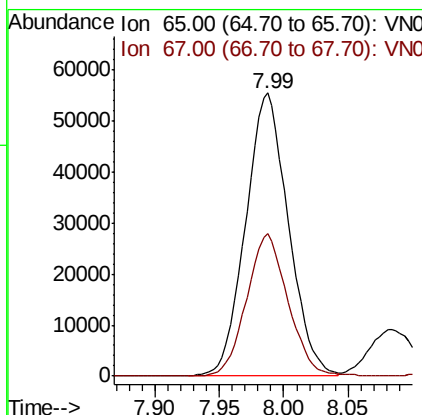
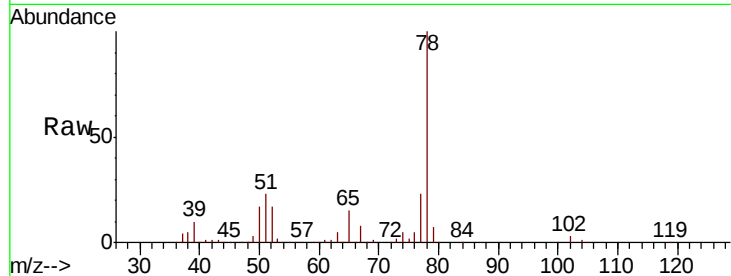




#27
 1,2-Dichloroethane-d4
 Concen: 30.725 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064282.D
 Acq: 23 Oct 2020 11:09

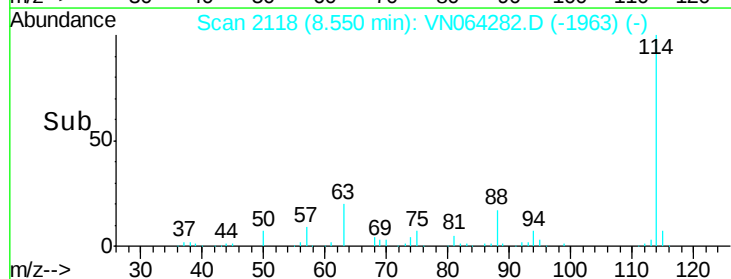
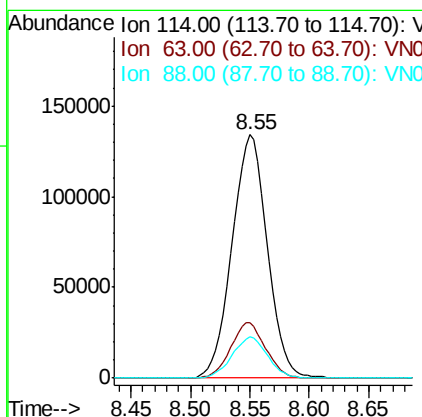
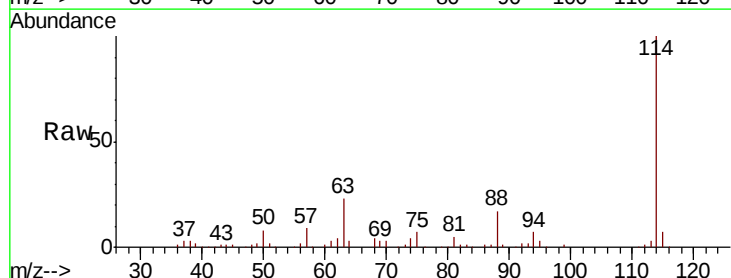
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

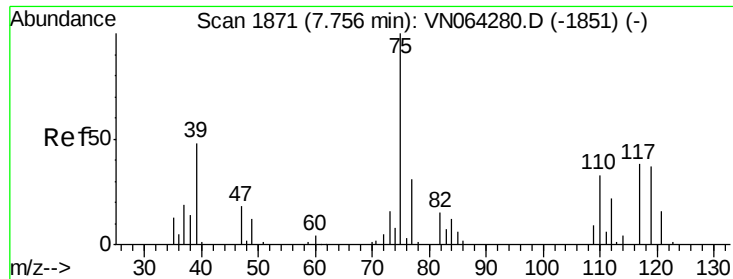
Tot Ion: 65 Resp: 128260
 Ion Ratio Lower Upper
 65 100
 67 48.5 38.4 57.6



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064282.D
 Acq: 23 Oct 2020 11:09

Tgt Ion: 114 Resp: 276059
 Ion Ratio Lower Upper
 114 100
 63 22.5 17.8 26.8
 88 17.0 13.8 20.8

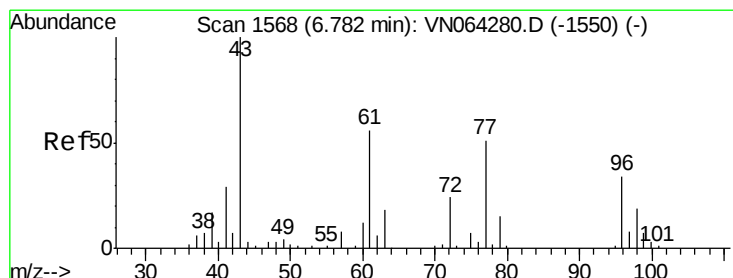
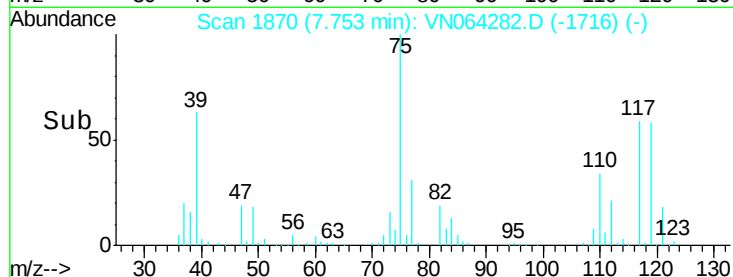
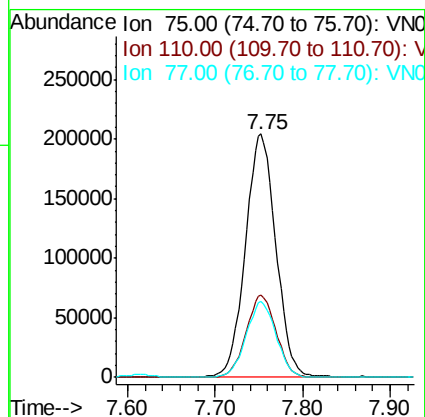
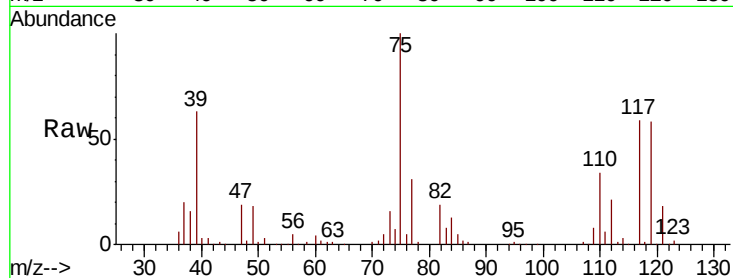




#29
 1,1-Dichloropropene
 Concen: 111.510 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN064282.D
 Acq: 23 Oct 2020 11:09

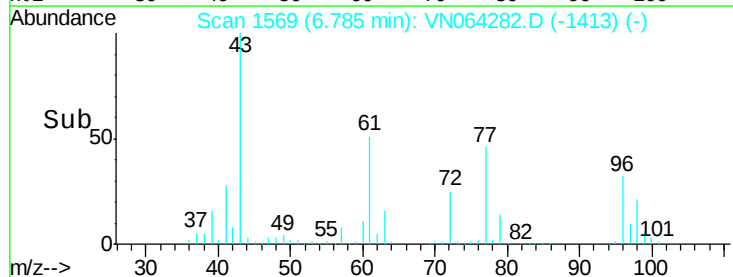
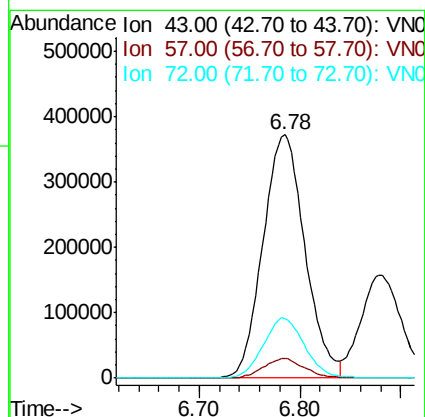
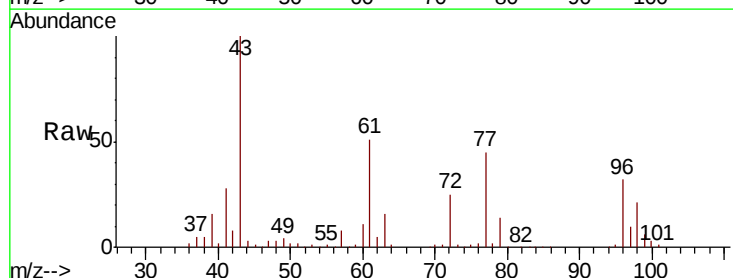
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

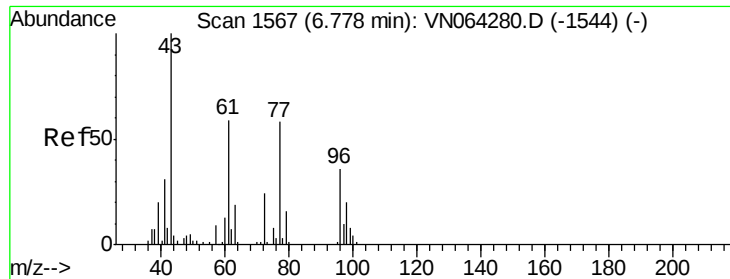
Tot Ion: 75 Resp: 494115
 Ion Ratio Lower Upper
 75 100
 110 33.2 0.0 66.2
 77 30.8 0.0 64.4



#30
 2-Butanone
 Concen: 573.621 ug/l
 RT: 6.78 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN064282.D
 Acq: 23 Oct 2020 11:09

Tgt Ion: 43 Resp: 1076307
 Ion Ratio Lower Upper
 43 100
 57 8.0 6.4 9.6
 72 24.4 19.4 29.0

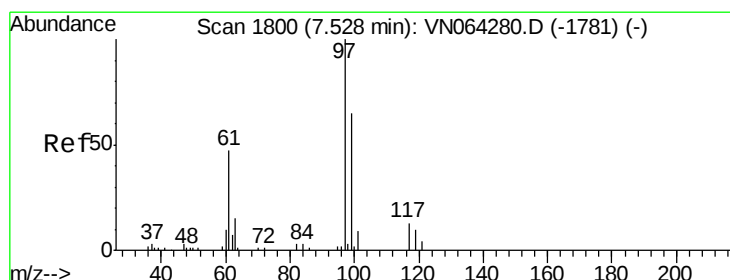
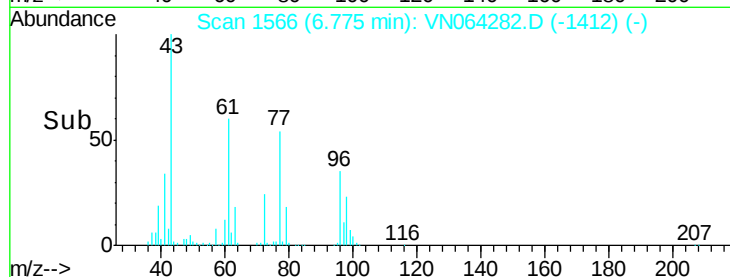
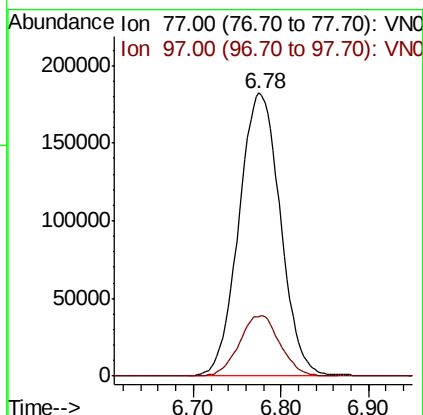
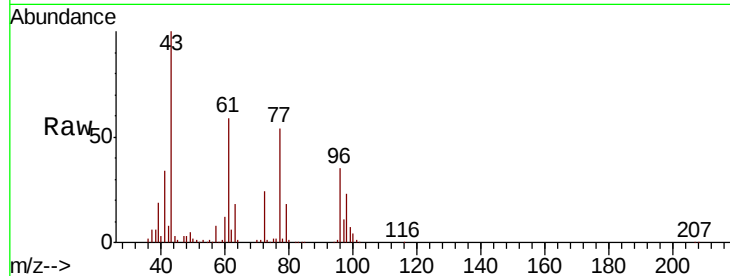




#31
 2,2-Dichloropropane
 Concen: 105.837 ug/l
 RT: 6.78 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN064282.D
 Acq: 23 Oct 2020 11:09

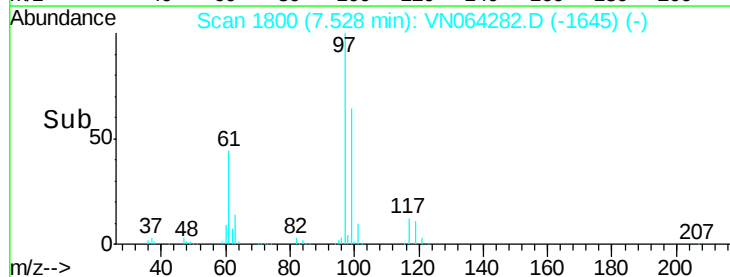
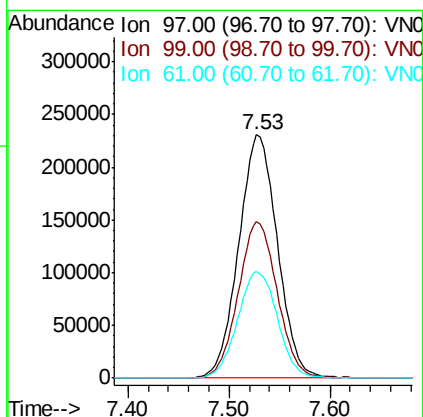
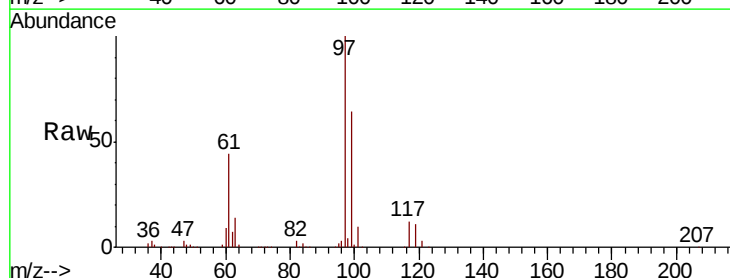
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

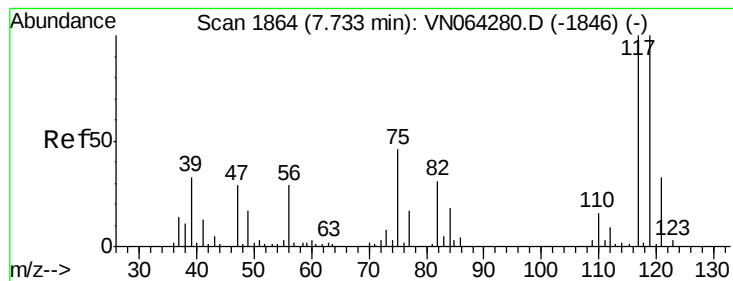
Tot Ion: 77 Resp: 599050
 Ion Ratio Lower Upper
 77 100
 97 20.9 15.1 22.7



#32
 1,1,1-Trichloroethane
 Concen: 108.415 ug/l
 RT: 7.53 min Scan# 1800
 Delta R.T. -0.00 min
 Lab File: VN064282.D
 Acq: 23 Oct 2020 11:09

Tgt Ion: 97 Resp: 615325
 Ion Ratio Lower Upper
 97 100
 99 64.5 54.4 81.6
 61 45.1 37.5 56.3





#33

Carbon Tetrachloride

Concen: 110.511 ug/l

RT: 7.73 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN064282.D

Acq: 23 Oct 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

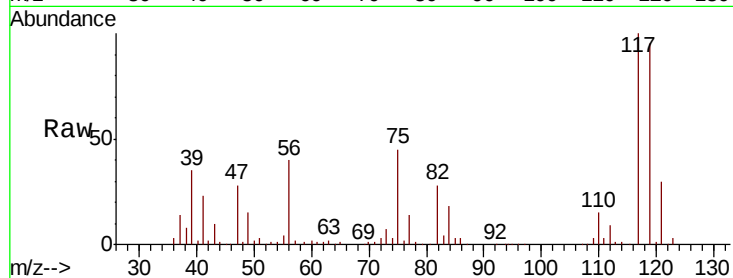
Tot Ion:117 Resp: 568153

Ion Ratio Lower Upper

117 100

119 95.0 80.1 120.1

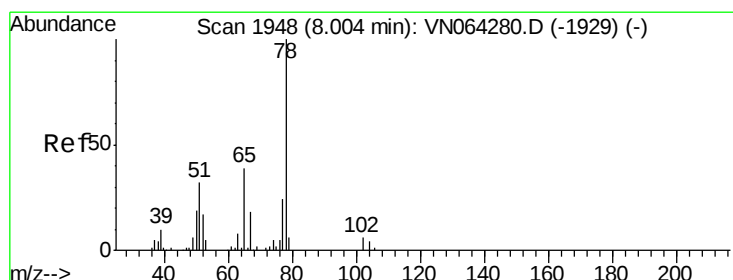
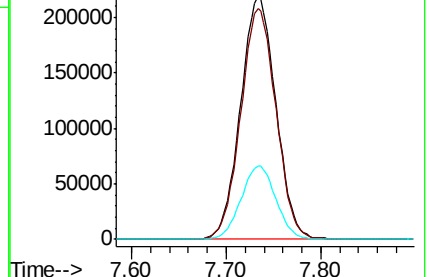
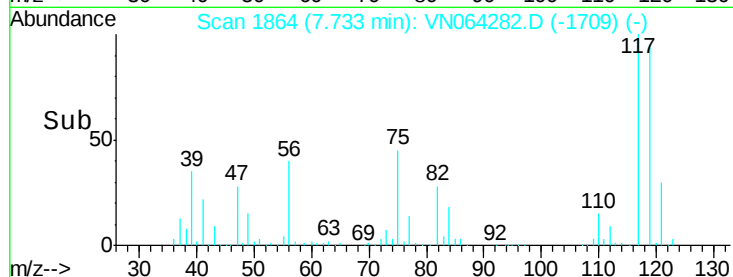
121 30.3 26.2 39.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 108.905 ug/l

RT: 8.00 min Scan# 1948

Delta R.T. -0.00 min

Lab File: VN064282.D

Acq: 23 Oct 2020 11:09

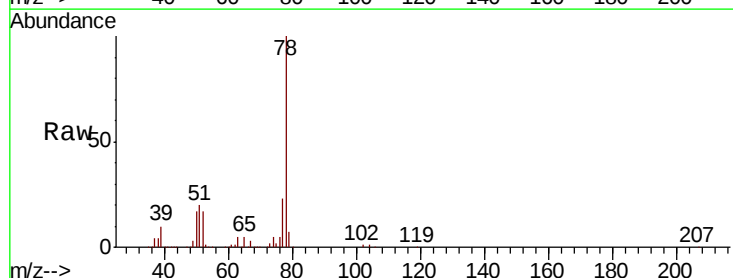
Tgt Ion: 78 Resp: 1346128

Ion Ratio Lower Upper

78 100

77 23.2 19.2 28.8

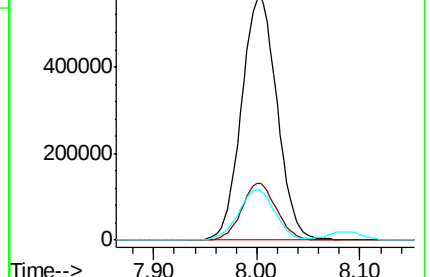
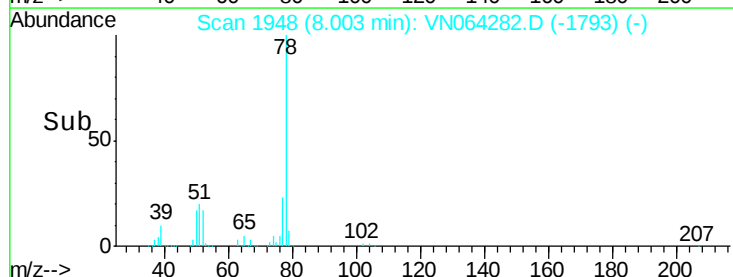
51 20.2 25.2 37.8#

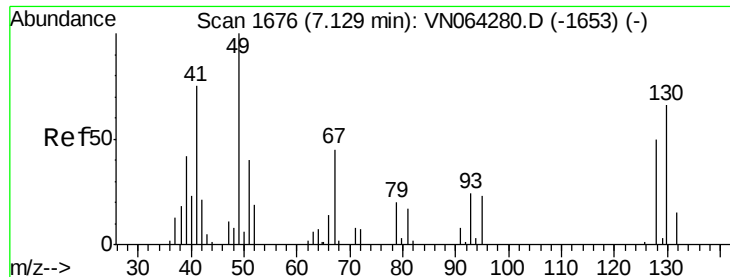


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

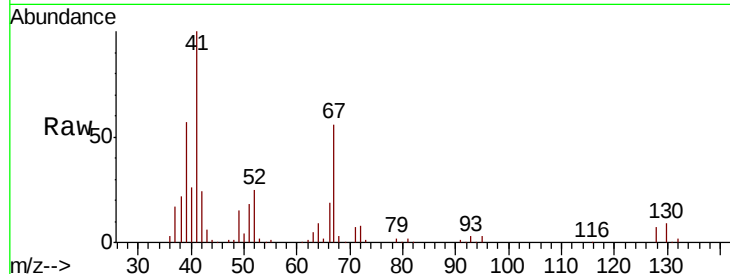




#35
Methacrylonitrile
Concen: 109.823 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN064282.D
Acq: 23 Oct 2020 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:	41	Resp:	219192
Ion	Ratio	Lower	Upper
41	100		
39	56.7	28.0	83.9
67	55.6	29.9	89.8
52	25.1	12.4	37.2



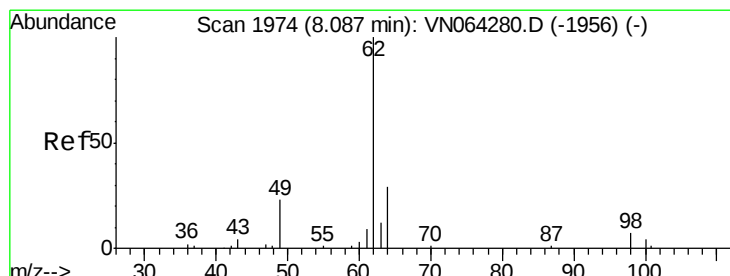
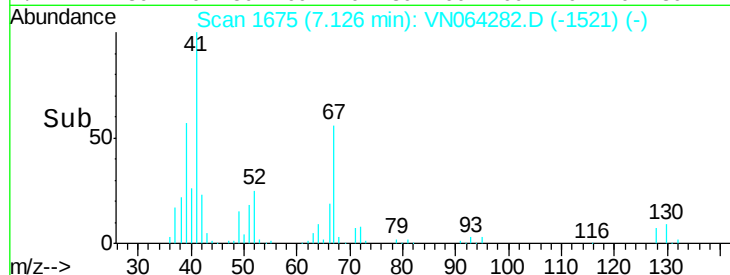
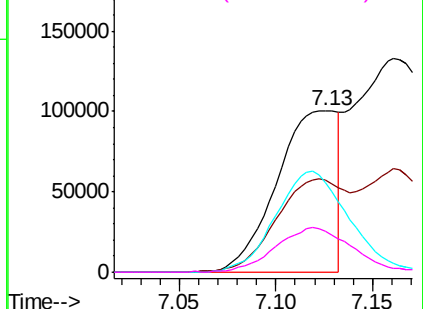
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

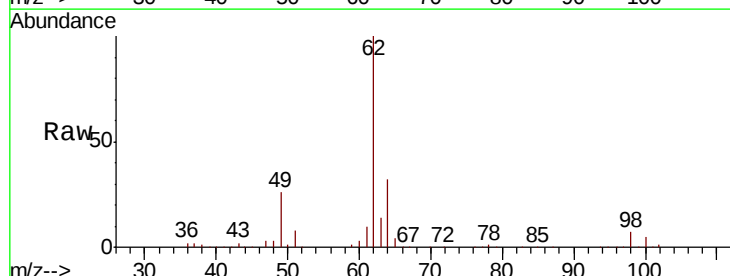
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#36
1,2-Dichloroethane
Concen: 111.893 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064282.D
Acq: 23 Oct 2020 11:09

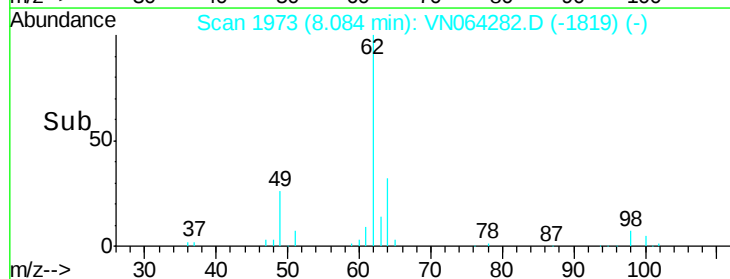
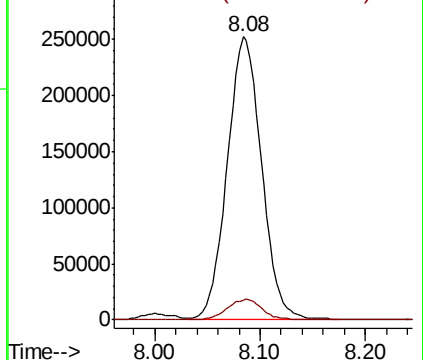
Tgt Ion:	62	Resp:	570520
Ion	Ratio	Lower	Upper
62	100		
98	7.4	5.4	8.0

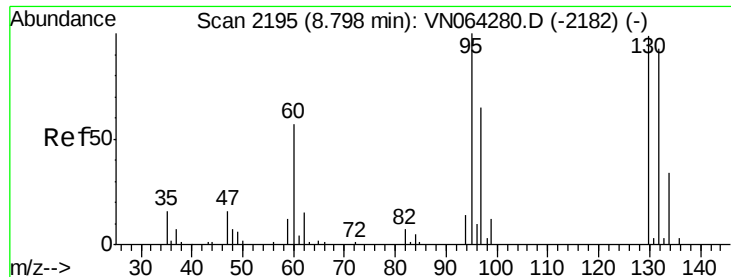


Abundance

Ion 62.00 (61.70 to 62.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

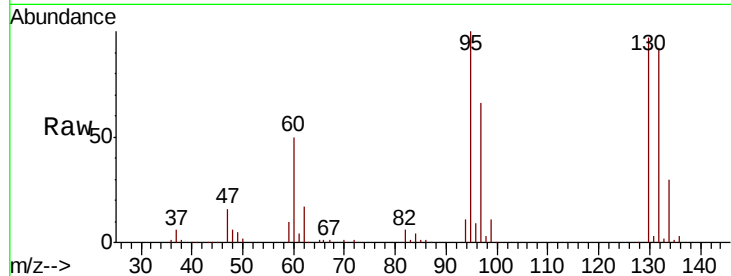




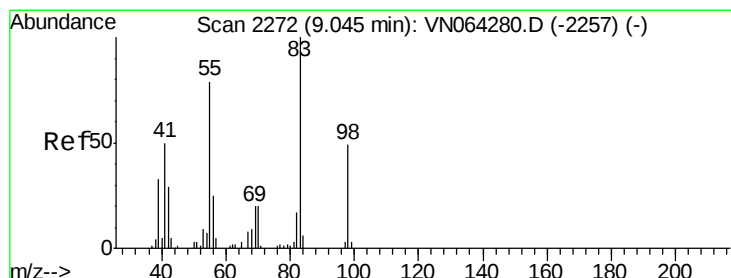
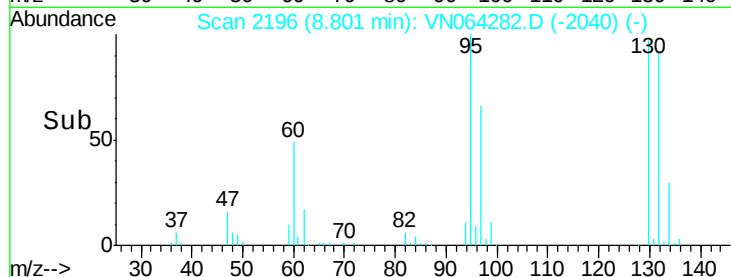
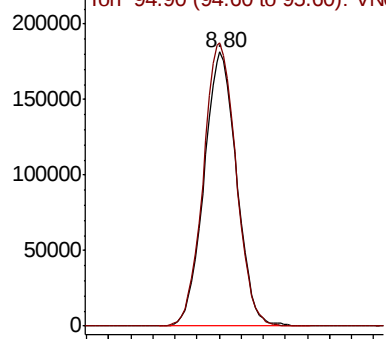
#37
 Trichloroethene
 Concen: 109.101 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN064282.D
 Acq: 23 Oct 2020 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:130 Resp: 370780
 Ion Ratio Lower Upper
 130 100
 95 103.4 81.2 121.8

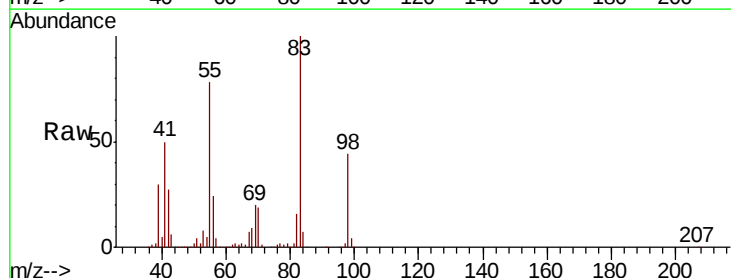


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

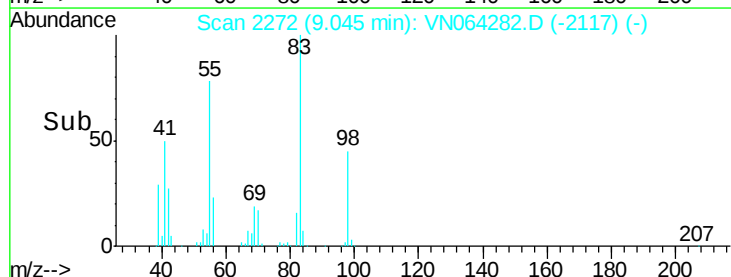
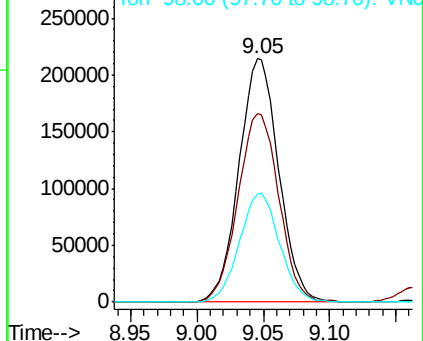


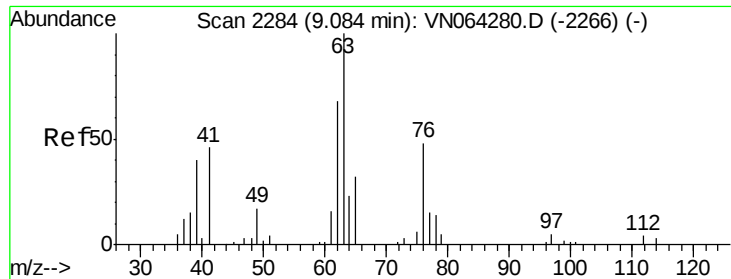
#38
 Methylcyclohexane
 Concen: 106.062 ug/l
 RT: 9.05 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN064282.D
 Acq: 23 Oct 2020 11:09

Tgt Ion: 83 Resp: 448008
 Ion Ratio Lower Upper
 83 100
 55 79.5 40.3 120.9
 98 45.1 25.3 75.8



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

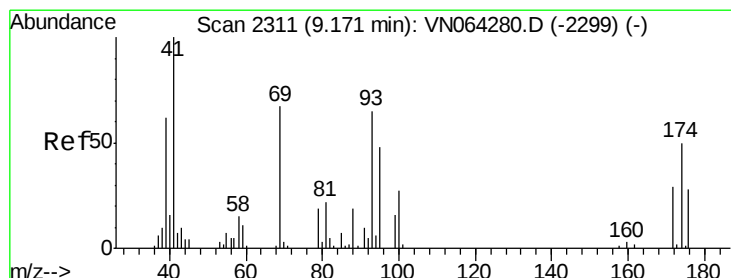
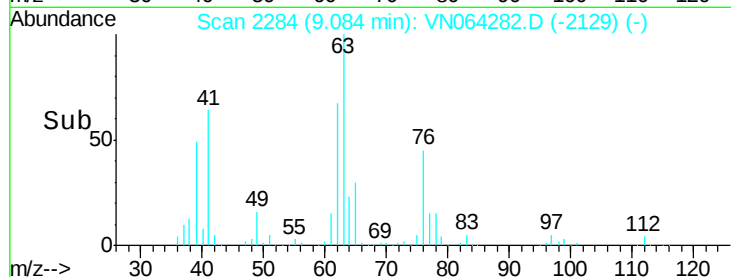
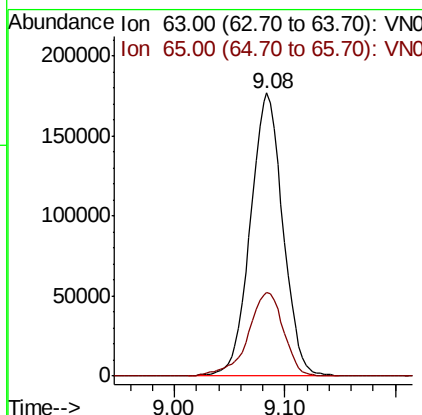
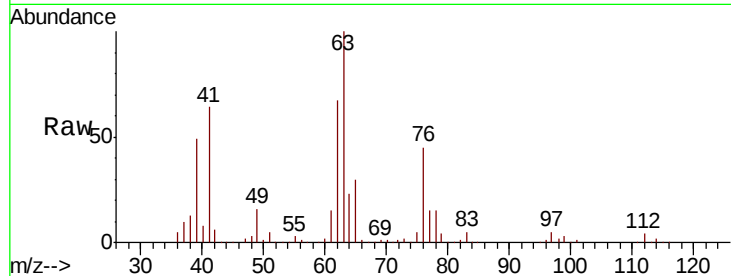




#39
 1,2-Dichloropropane
 Concen: 108.855 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064282.D
 Acq: 23 Oct 2020 11:09

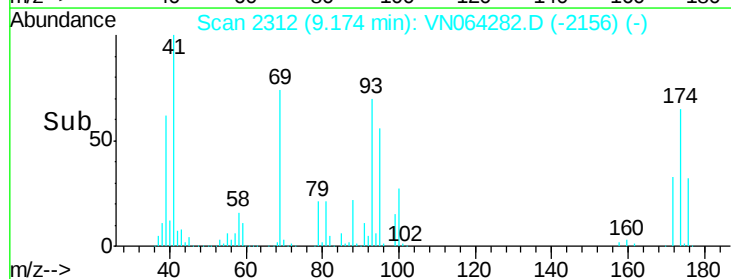
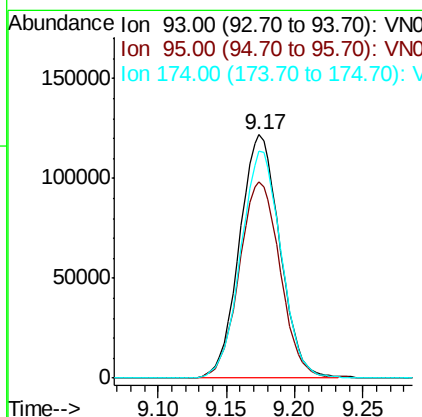
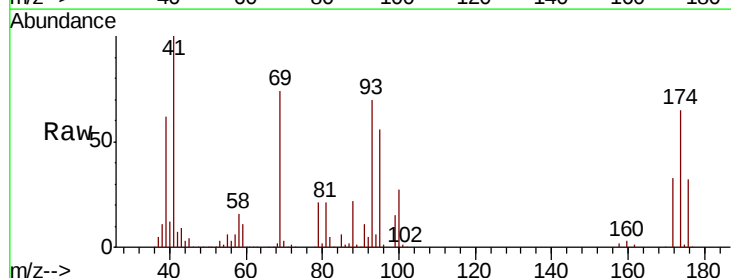
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

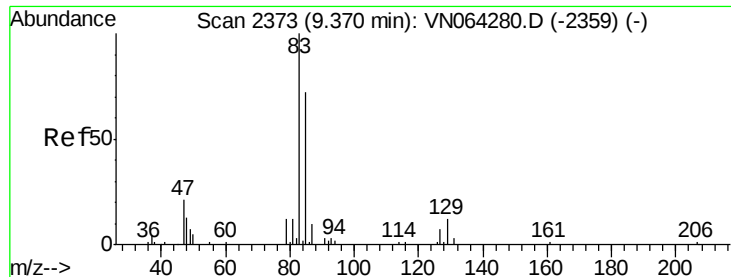
Tot Ion: 63 Resp: 361240
 Ion Ratio Lower Upper
 63 100
 65 29.6 26.1 39.1



#40
 Dibromomethane
 Concen: 107.876 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064282.D
 Acq: 23 Oct 2020 11:09

Tgt Ion: 93 Resp: 250659
 Ion Ratio Lower Upper
 93 100
 95 82.0 0.0 156.6
 174 92.8 0.0 168.8





#41

Bromodichloromethane

Concen: 108.537 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064282.D

Acq: 23 Oct 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

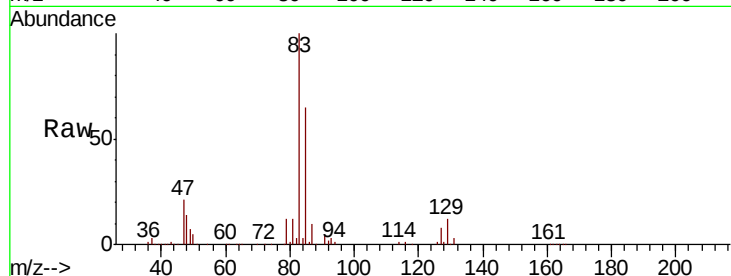
Tot Ion: 83 Resp: 539962

Ion Ratio Lower Upper

83 100

85 64.8 57.8 86.6

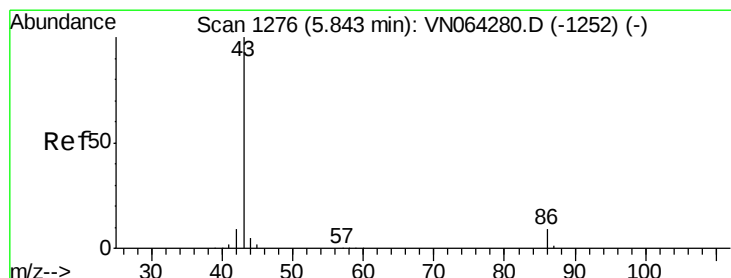
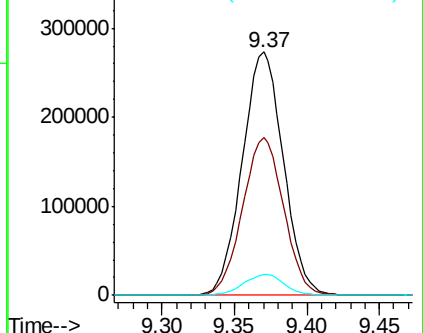
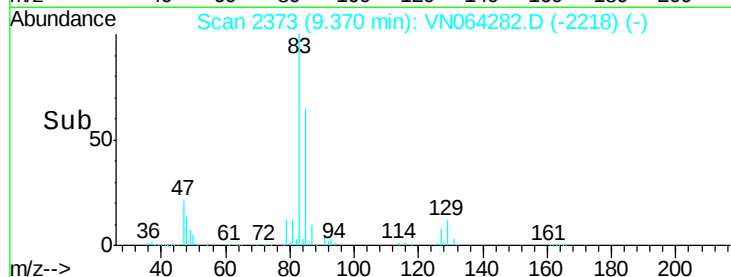
127 8.5 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VN064282.D (-2218) (-)

Ion 85.00 (84.70 to 85.70): VN064282.D (-2218) (-)

Ion 127.00 (126.70 to 127.70): VN064282.D (-2218) (-)



#42

Vinyl Acetate

Concen: 556.039 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN064282.D

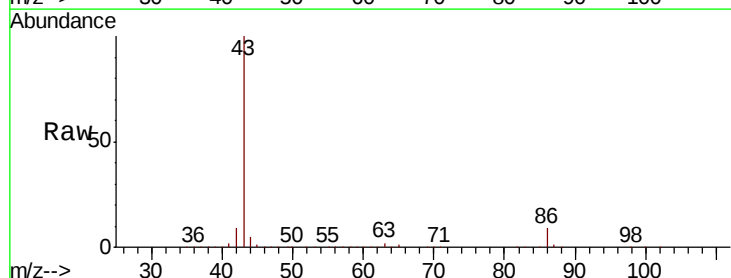
Acq: 23 Oct 2020 11:09

Tgt Ion: 43 Resp: 4851498

Ion Ratio Lower Upper

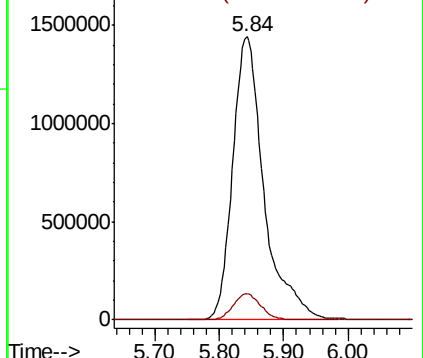
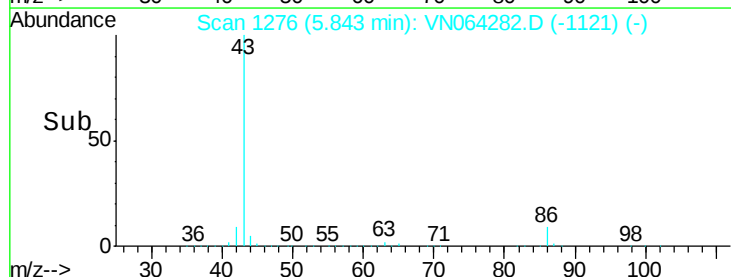
43 100

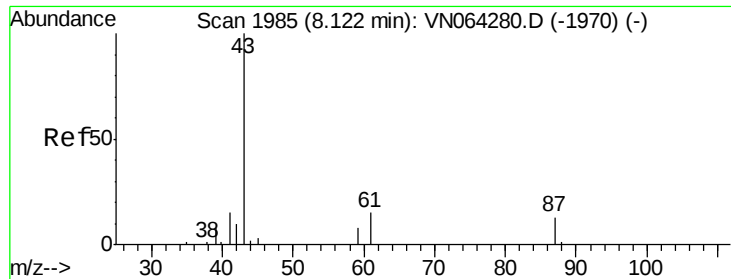
86 8.2 6.6 9.8



Abundance Ion 43.00 (42.70 to 43.70): VN064282.D (-1121) (-)

Ion 86.00 (85.70 to 86.70): VN064282.D (-1121) (-)





#44

Isopropyl Acetate

Concen: 108.151 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064282.D

Acq: 23 Oct 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

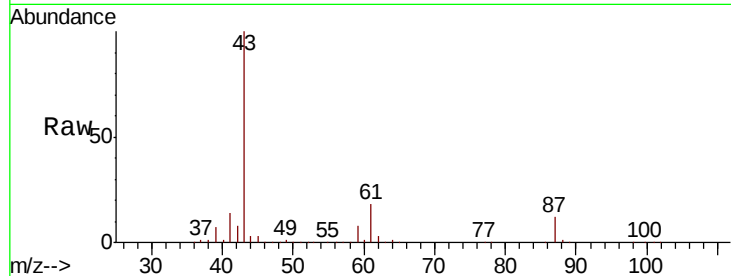
VSTDIC100

Tot Ion: 43 Resp: 826554

Ion Ratio Lower Upper

43 100

61 24.7 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

8.13

400000

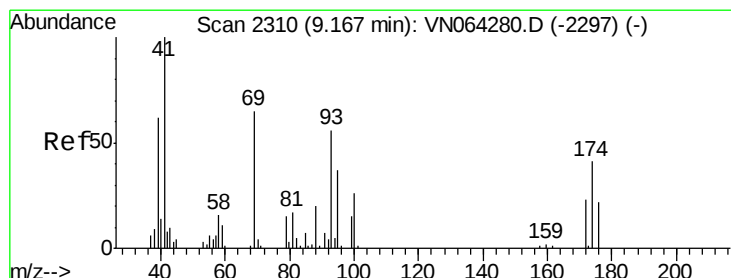
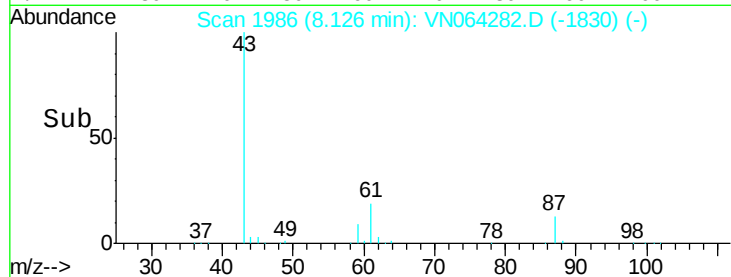
300000

200000

100000

0

Time-->



#45

1,4-Dioxane

Concen: 2255.747 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN064282.D

Acq: 23 Oct 2020 11:09

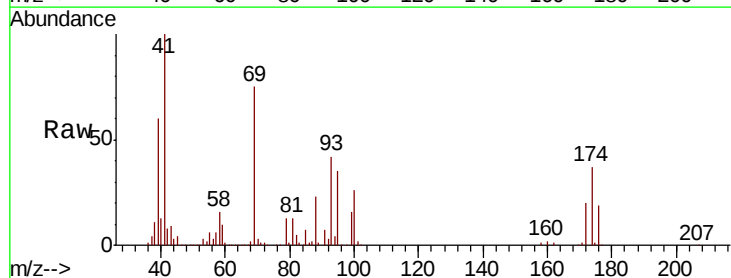
Tgt Ion: 88 Resp: 101830

Ion Ratio Lower Upper

88 100

43 36.8 34.7 52.1

58 70.7 65.8 98.6



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

400000

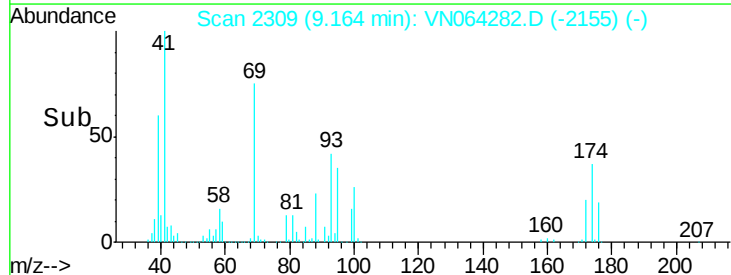
300000

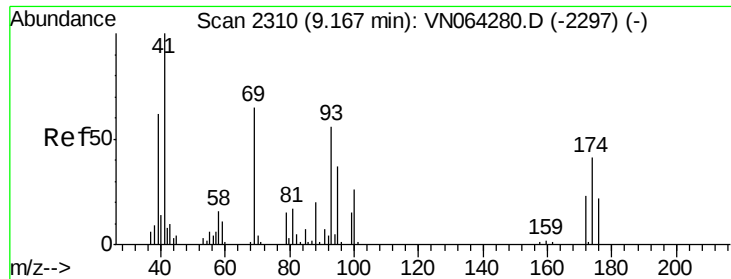
200000

100000

0

Time-->

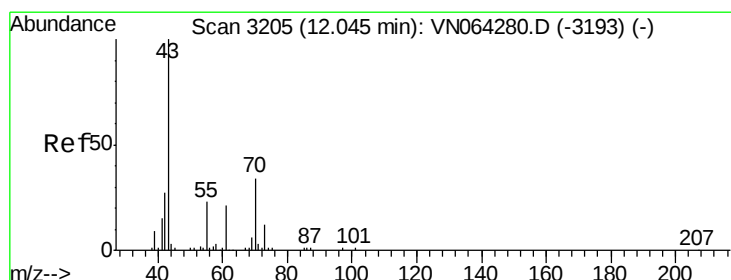
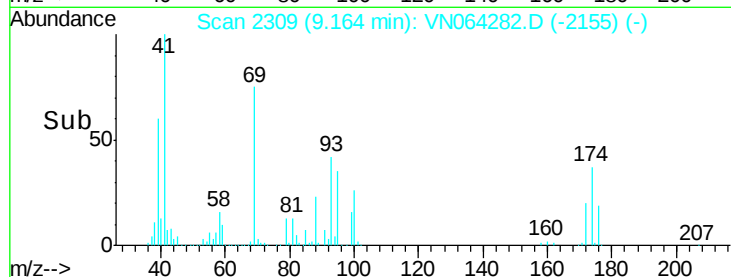
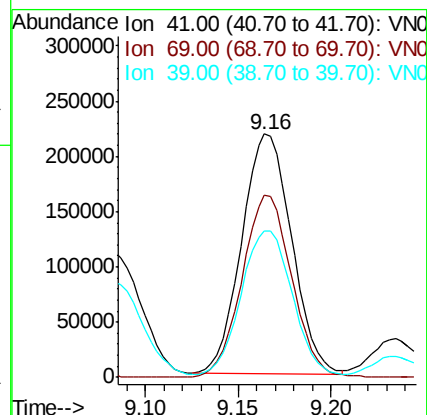
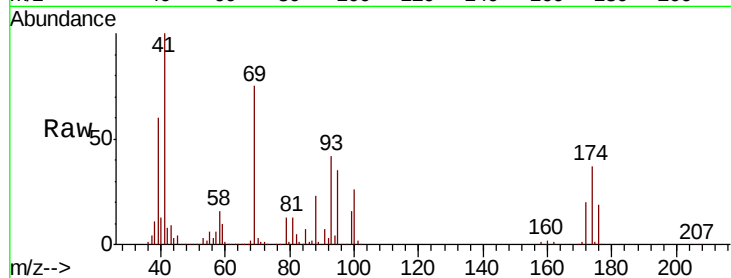




#46
Methyl methacrylate
Concen: 111.262 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064282.D
Acq: 23 Oct 2020 11:09

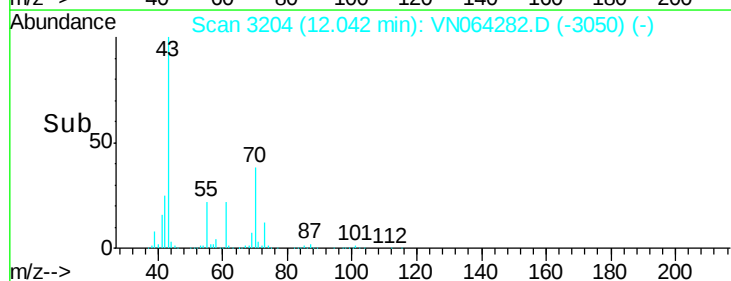
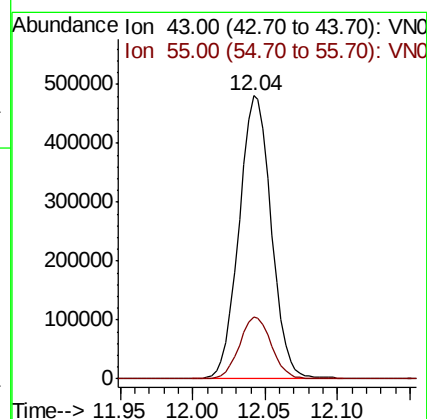
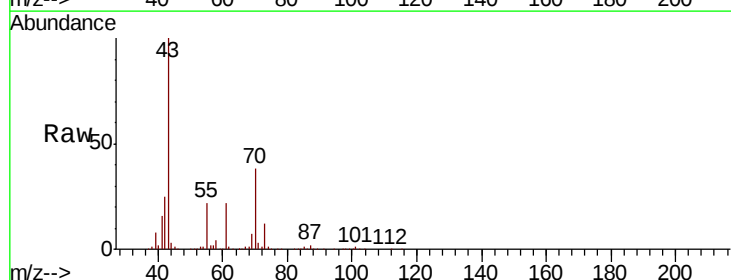
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

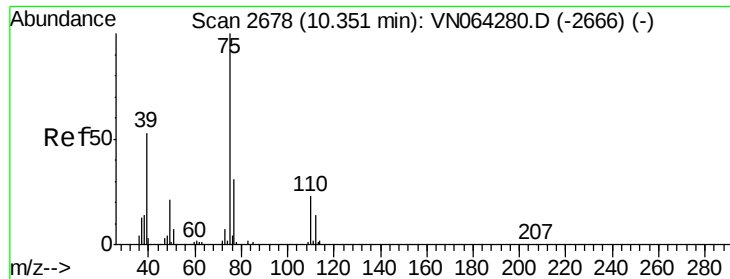
Tot Ion: 41 Resp: 408143
Ion Ratio Lower Upper
41 100
69 75.7 32.6 97.7
39 60.0 31.1 93.3



#47
n-ethyl Acetate
Concen: 109.197 ug/l
RT: 12.04 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VN064282.D
Acq: 23 Oct 2020 11:09

Tgt Ion: 43 Resp: 740511
Ion Ratio Lower Upper
43 100
55 21.8 18.2 27.2





#48

t-1,3-Dichloropropene

Concen: 110.020 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064282.D

Acq: 23 Oct 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

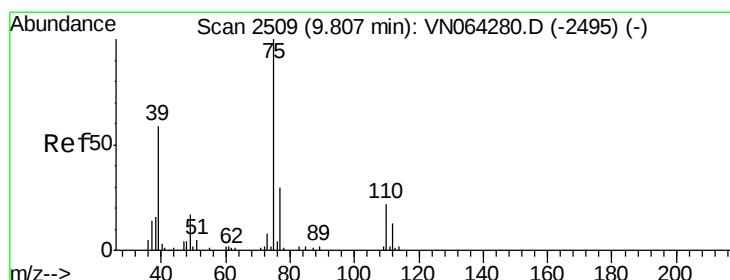
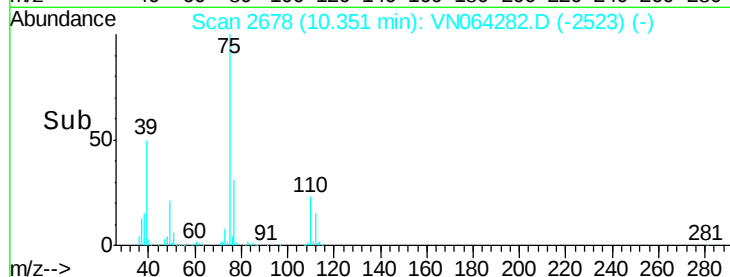
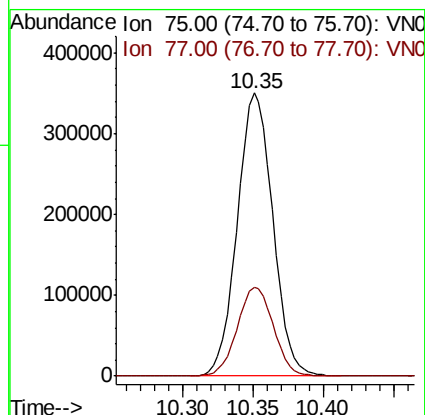
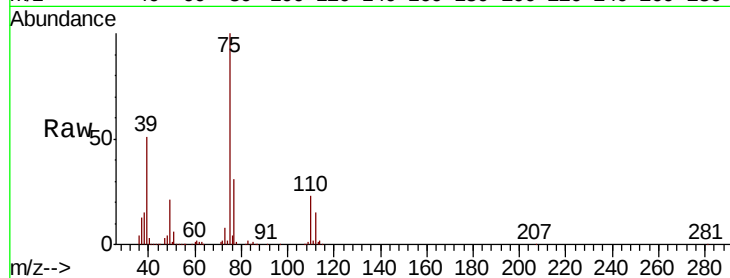
VSTDIC100

Tot Ion: 75 Resp: 618807

Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.0



#49

cis-1,3-Dichloropropene

Concen: 109.615 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN064282.D

Acq: 23 Oct 2020 11:09

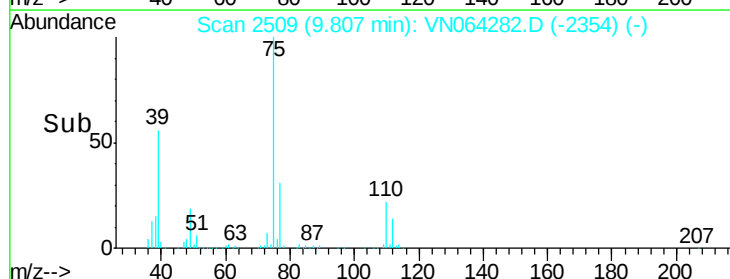
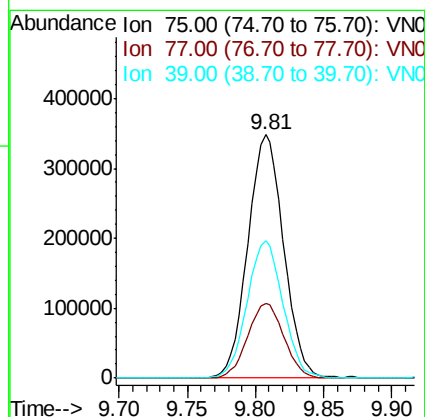
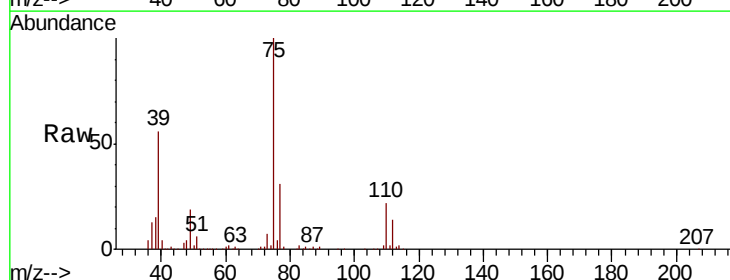
Tgt Ion: 75 Resp: 634773

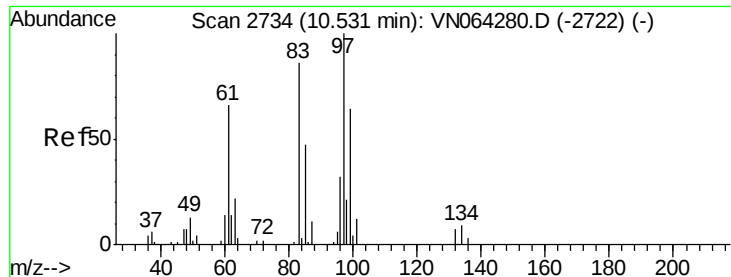
Ion Ratio Lower Upper

75 100

77 30.7 23.7 35.5

39 56.3 46.9 70.3

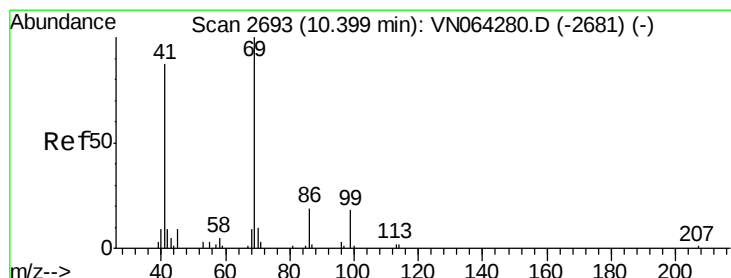
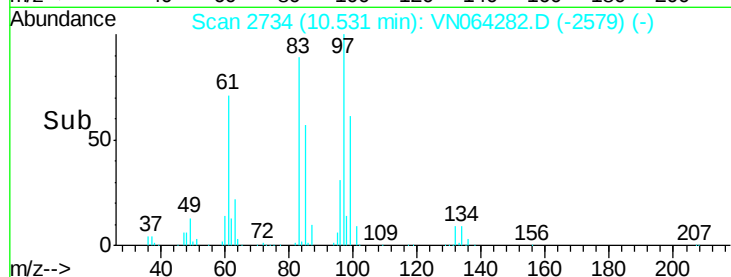
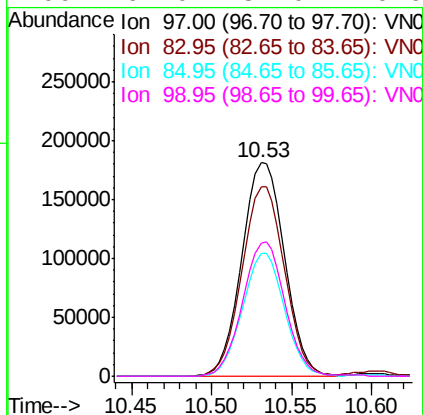
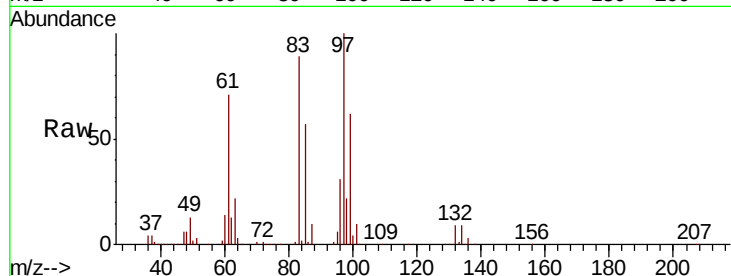




#50
 1,1,2-Trichloroethane
 Concen: 107.434 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064282.D
 Acq: 23 Oct 2020 11:09

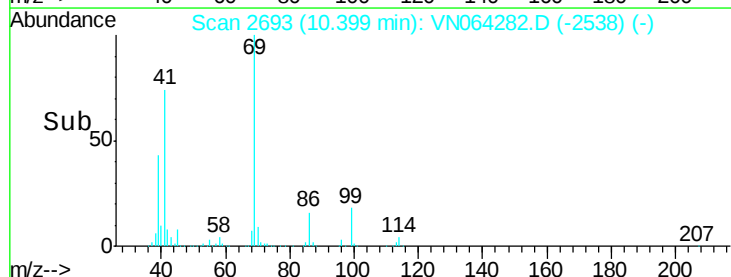
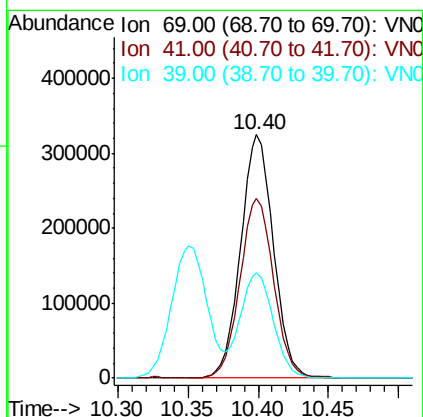
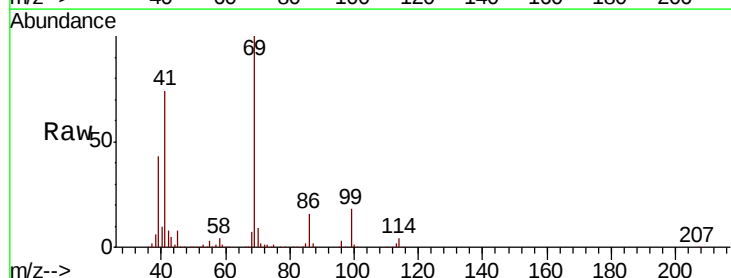
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

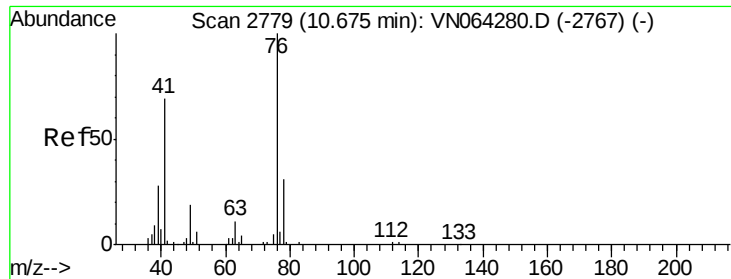
Tot Ion:	97	Resp:	330646
Ion	Ratio	Lower	Upper
97	100		
83	89.0	68.9	103.3
85	57.4	37.8	56.8#
99	62.0	51.0	76.6



#51
 Ethyl methacrylate
 Concen: 110.150 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN064282.D
 Acq: 23 Oct 2020 11:09

Tgt Ion:	69	Resp:	529271
Ion	Ratio	Lower	Upper
69	100		
41	73.7	43.6	130.9
39	43.3	25.8	77.3





#52

1,3-Dichloropropane

Concen: 109.475 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN064282.D

Acq: 23 Oct 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

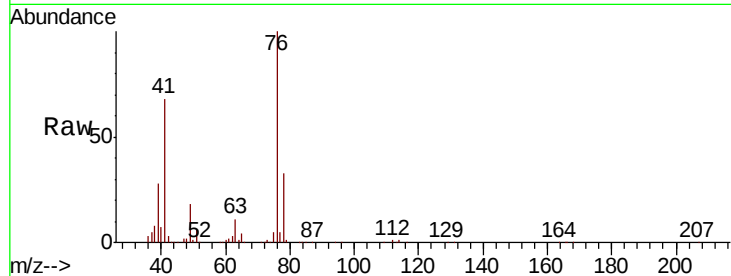
VSTDIC100

Tot Ion: 76 Resp: 582507

Ion Ratio Lower Upper

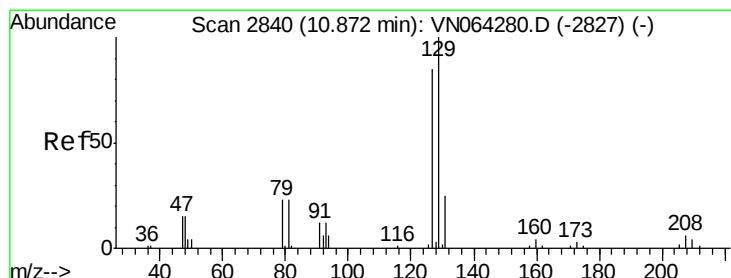
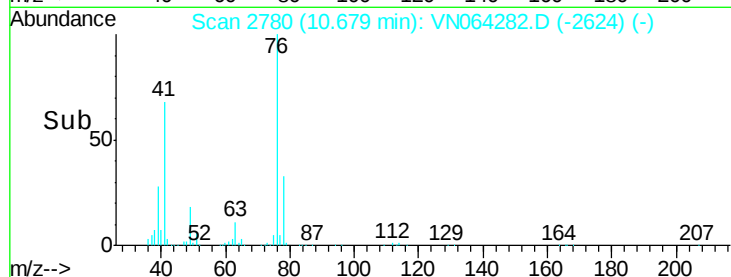
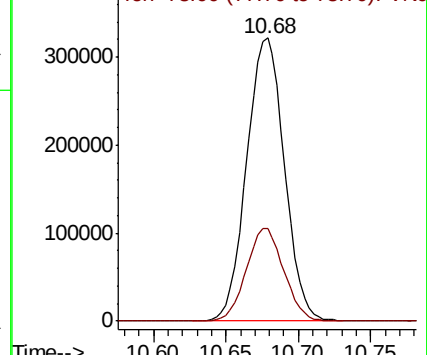
76 100

78 32.5 0.0 64.6



Abundance Ion 76.00 (75.70 to 76.70): VN064280.D (-2767) (-)

Ion 78.00 (77.70 to 78.70): VN064280.D (-2767) (-)



#53

Dibromochloromethane

Concen: 110.148 ug/l

RT: 10.87 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN064282.D

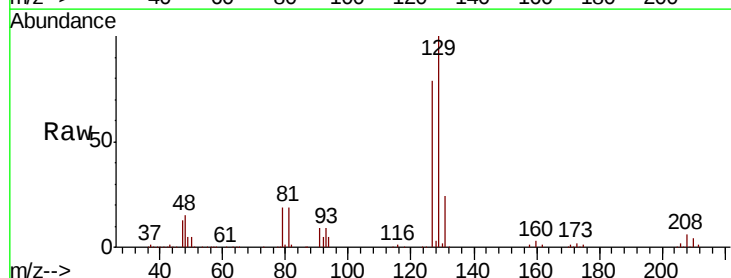
Acq: 23 Oct 2020 11:09

Tgt Ion: 129 Resp: 420799

Ion Ratio Lower Upper

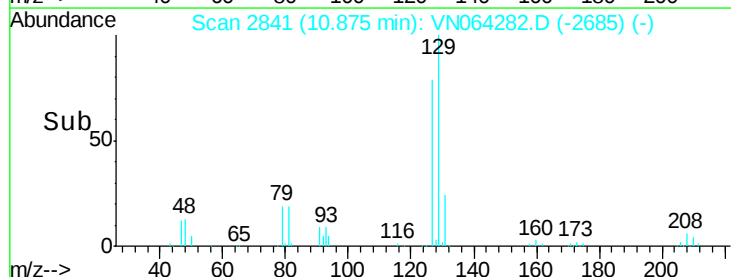
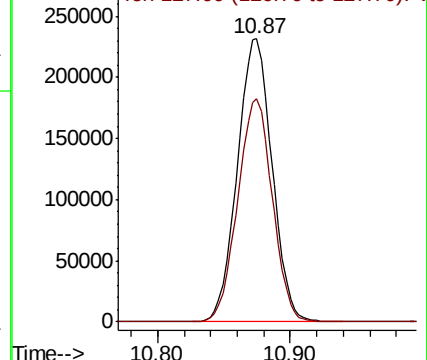
129 100

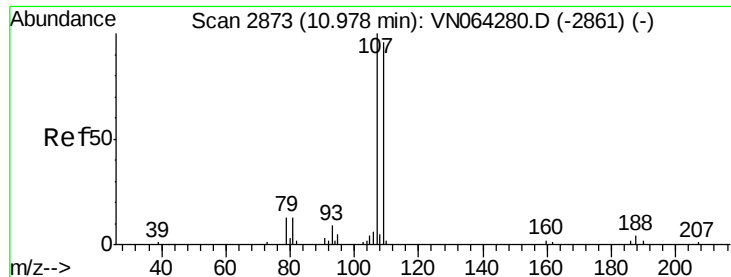
127 78.8 42.4 127.2



Abundance Ion 129.00 (128.70 to 129.70): VN064280.D (-2827) (-)

Ion 127.00 (126.70 to 127.70): VN064280.D (-2827) (-)

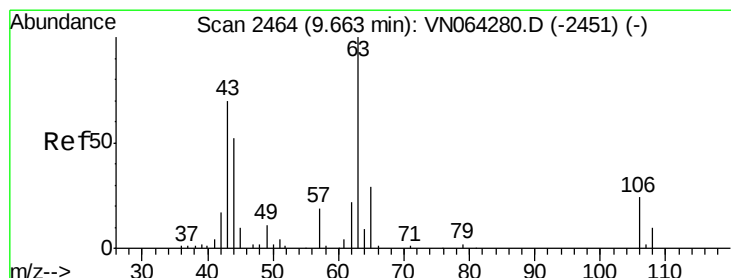
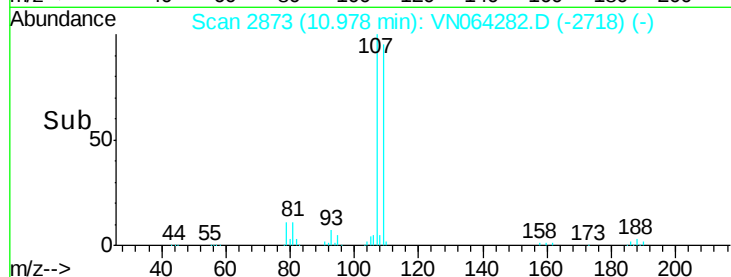
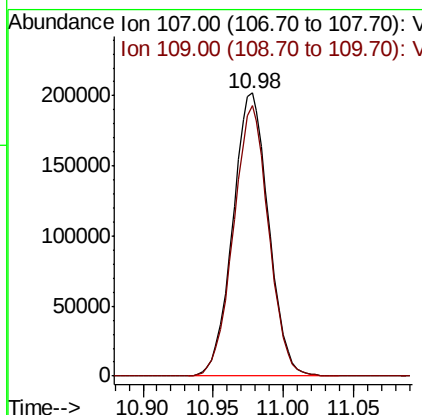
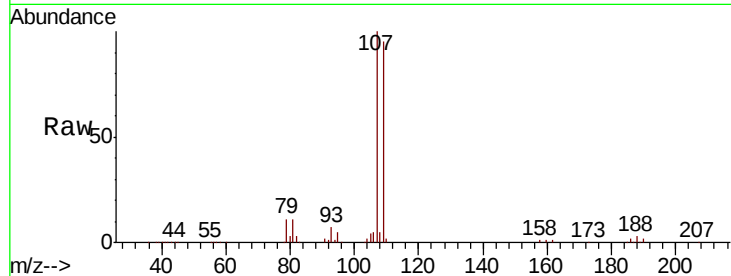




#54
 1,2-Dibromoethane
 Concen: 110.231 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN064282.D
 Acq: 23 Oct 2020 11:09

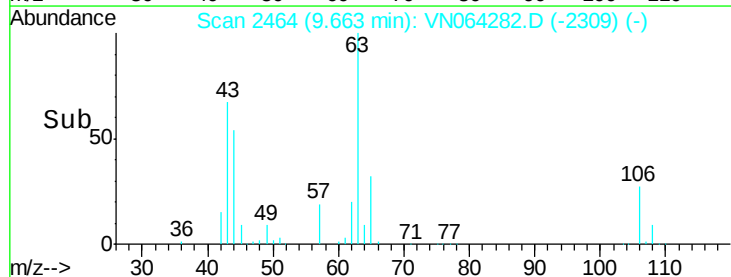
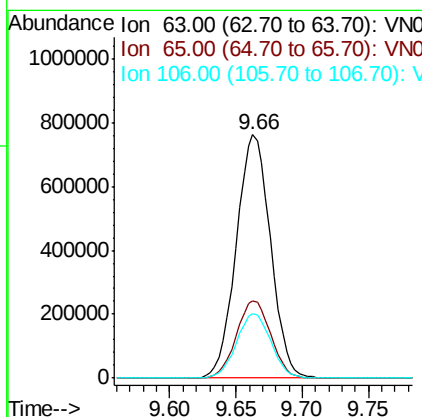
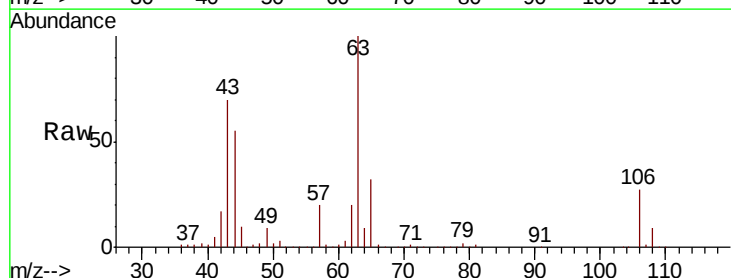
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

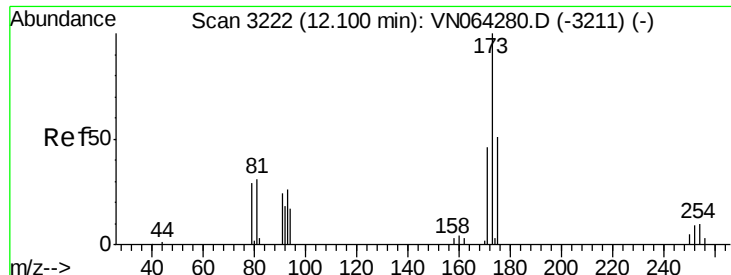
Tot Ion:107 Resp: 359060
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.7 113.5



#55
 2-Chloroethyl vinyl ether
 Concen: 624.277 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN064282.D
 Acq: 23 Oct 2020 11:09

Tgt Ion: 63 Resp: 1368547
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.2 37.8
 106 26.6 20.6 31.0

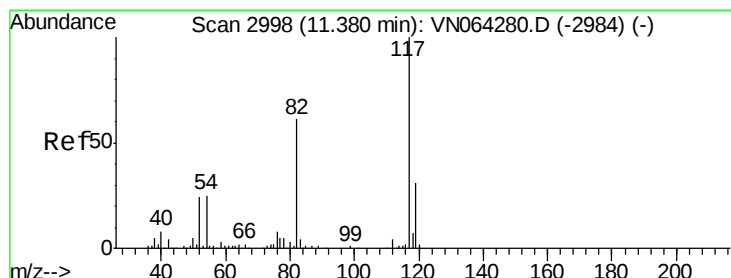
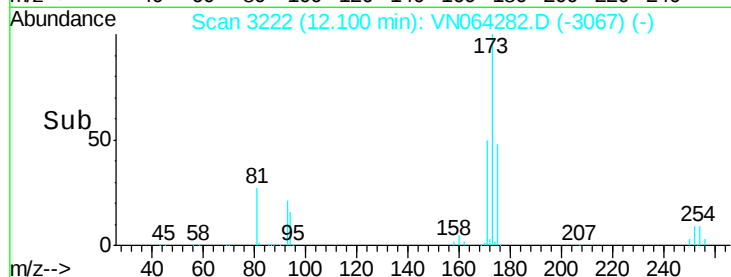
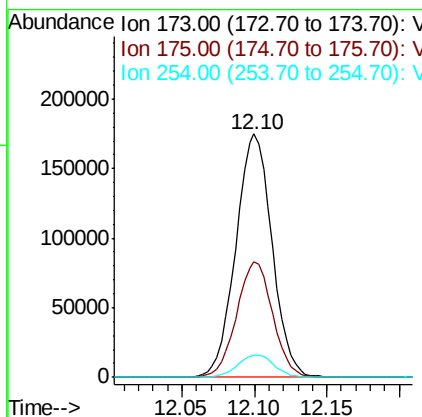
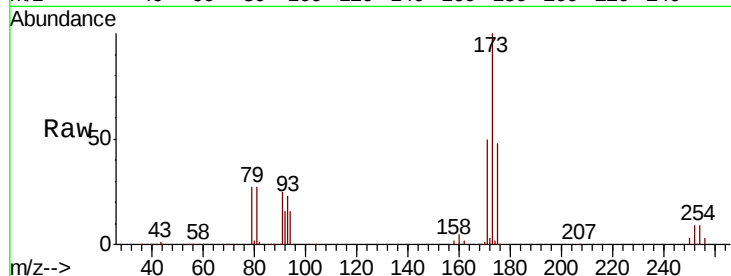




#56
Bromoform
Concen: 113.284 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN064282.D
Acq: 23 Oct 2020 11:09

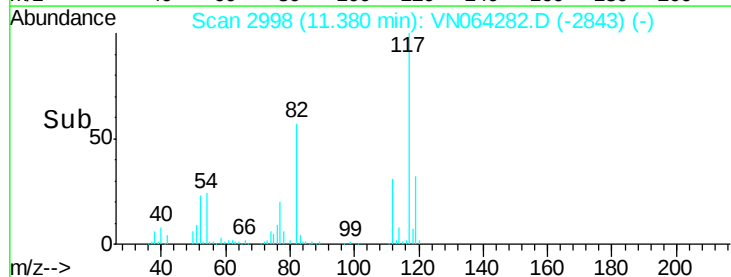
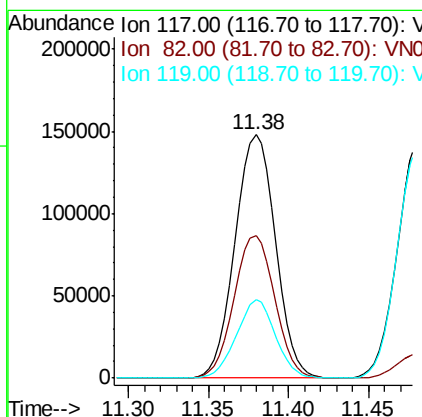
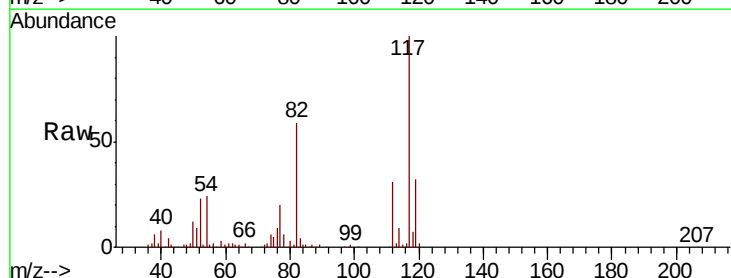
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

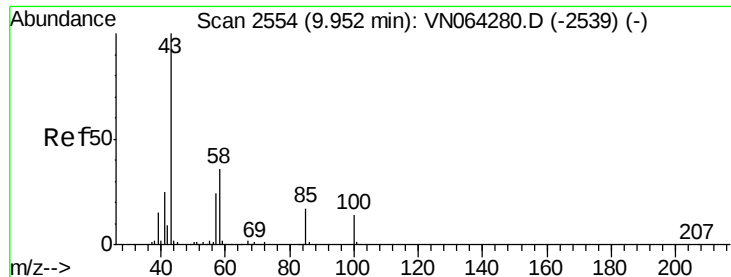
Tot Ion:173 Resp: 303141
Ion Ratio Lower Upper
173 100
175 47.4 39.5 59.3
254 9.2 5.0 7.4#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064282.D
Acq: 23 Oct 2020 11:09

Tgt Ion:117 Resp: 255756
Ion Ratio Lower Upper
117 100
82 58.9 47.0 70.6
119 30.9 24.6 37.0

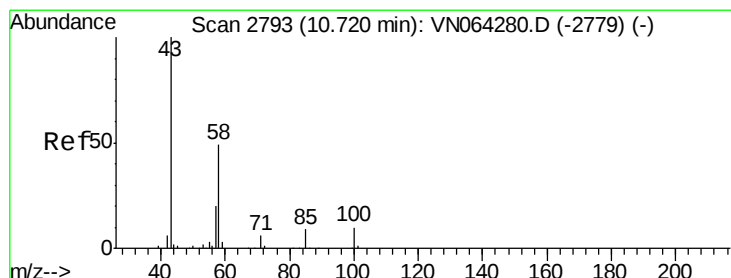
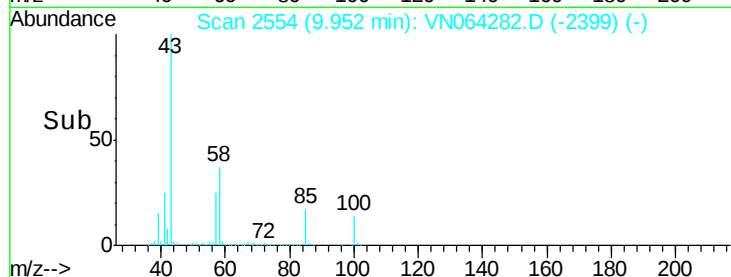
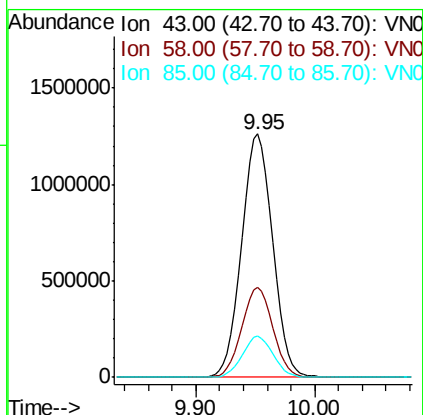
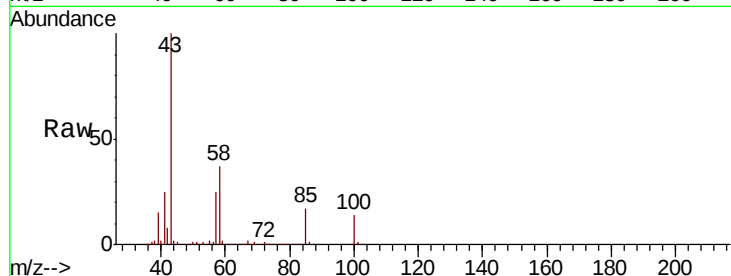




#58
4-Methyl-2-Pentanone
Concen: 540.155 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN064282.D
Acq: 23 Oct 2020 11:09

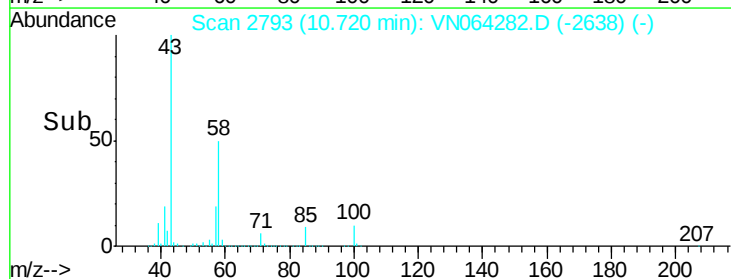
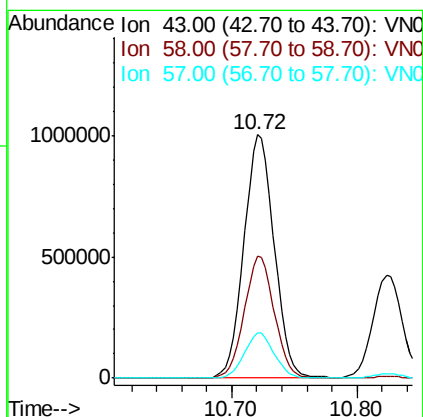
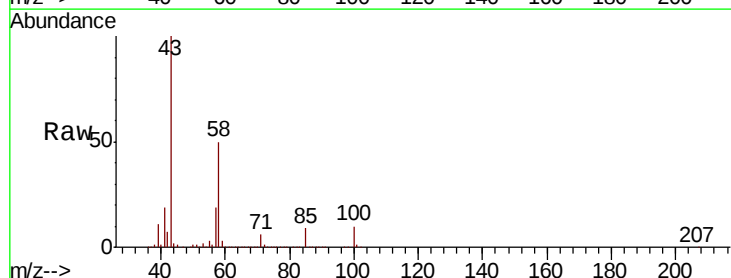
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

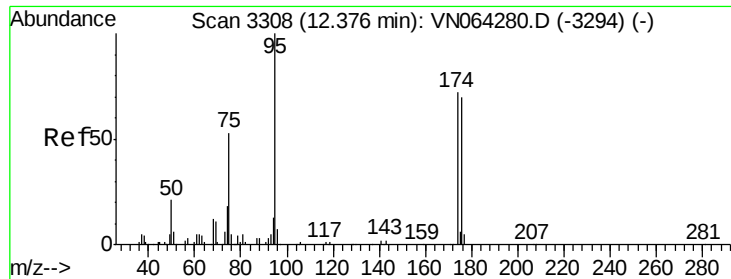
Tot Ion: 43 Resp: 2278923
Ion Ratio Lower Upper
43 100
58 36.9 28.6 43.0
85 16.8 13.7 20.5



#59
2-Hexanone
Concen: 537.141 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064282.D
Acq: 23 Oct 2020 11:09

Tgt Ion: 43 Resp: 1683389
Ion Ratio Lower Upper
43 100
58 49.7 40.5 60.7
57 18.4 15.4 23.0

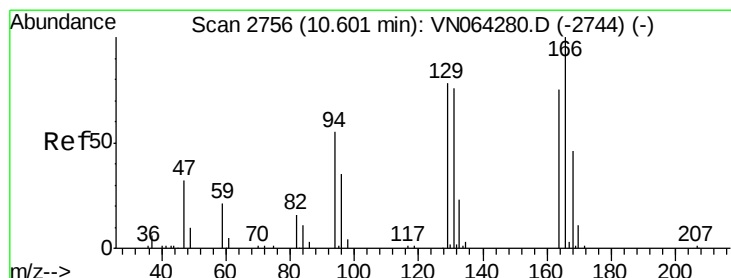
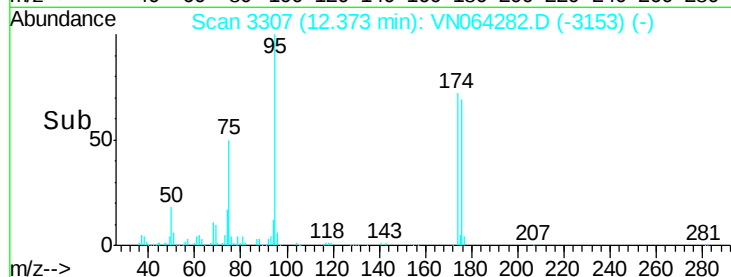
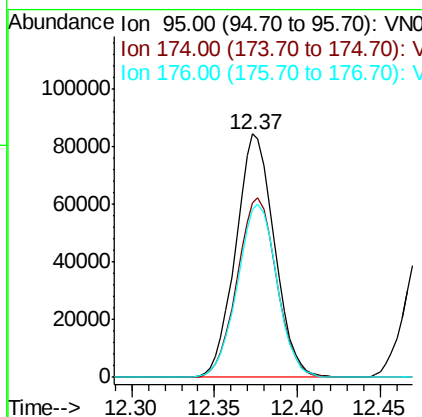
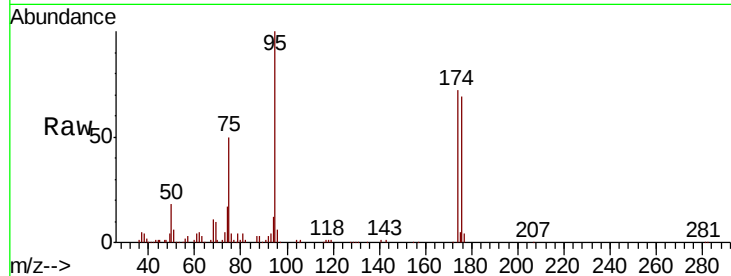




#60
4-Bromofluorobenzene
Concen: 30.102 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN064282.D
Acq: 23 Oct 2020 11:09

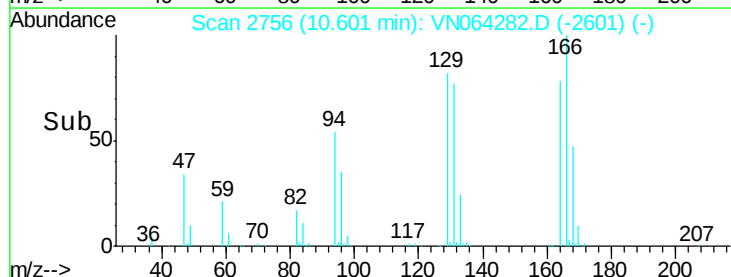
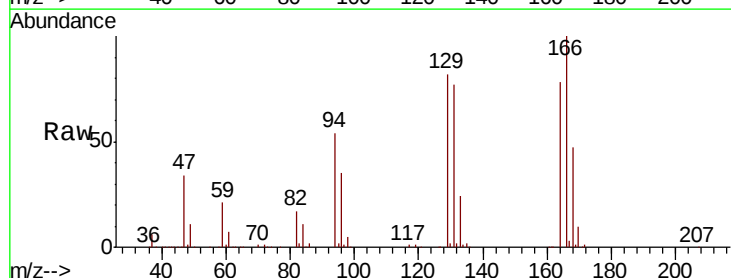
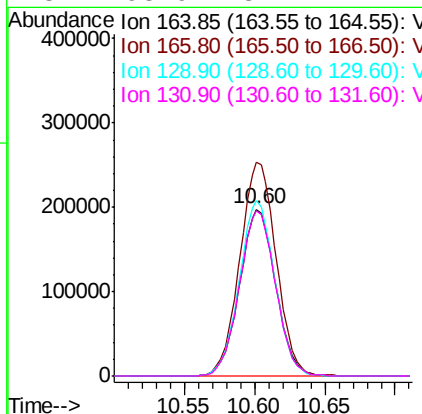
Instrument :
MSVOA_N
ClientSampled :
VSTDICC100

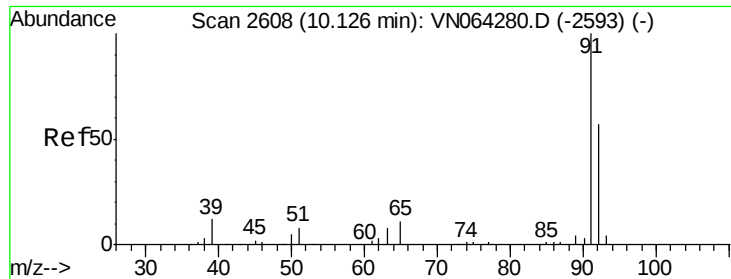
Tot Ion: 95 Resp: 137073
Ion Ratio Lower Upper
95 100
174 75.0 57.9 86.9
176 72.3 56.7 85.1



#61
Tetrachloroethene
Concen: 105.788 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064282.D
Acq: 23 Oct 2020 11:09

Tgt Ion: 164 Resp: 354645
Ion Ratio Lower Upper
164 100
166 128.1 107.4 161.0
129 105.2 84.3 126.5
131 98.9 81.1 121.7





#62

Toluene

Concen: 106.249 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. -0.00 min

Lab File: VN064282.D

Acq: 23 Oct 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

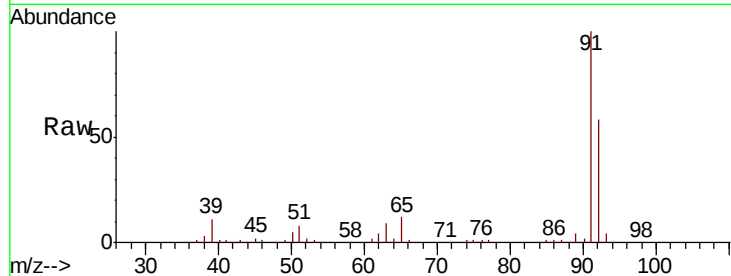
VSTDIC100

Tot Ion: 91 Resp: 1501485

Ion Ratio Lower Upper

91 100

92 57.7 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VN064280.D (-2593) (-)

Ion 92.00 (91.70 to 92.70): VN064280.D (-2593) (-)

10.13

800000

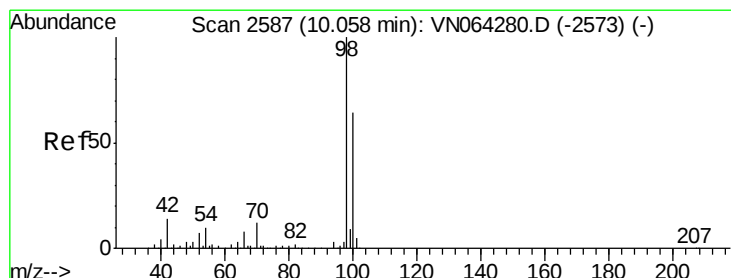
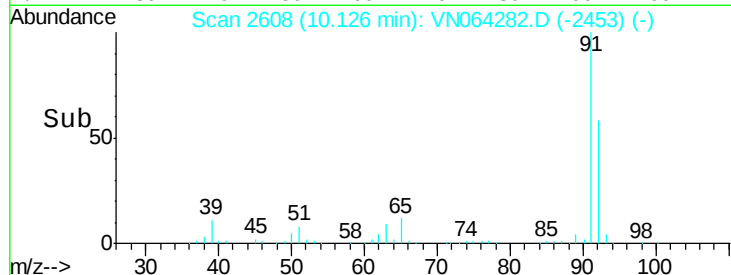
600000

400000

200000

0

Time-->



#63

Toluene-d8

Concen: 29.324 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064282.D

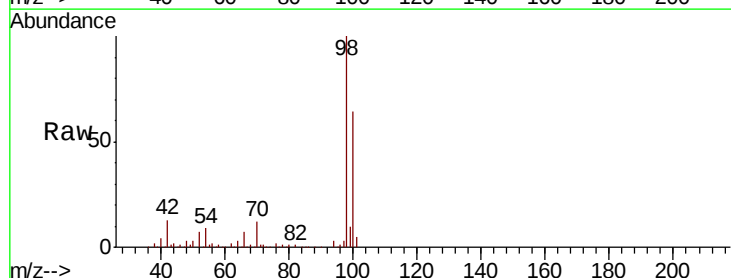
Acq: 23 Oct 2020 11:09

Tgt Ion: 98 Resp: 338674

Ion Ratio Lower Upper

98 100

100 65.0 51.7 77.5



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

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

10.06

200000

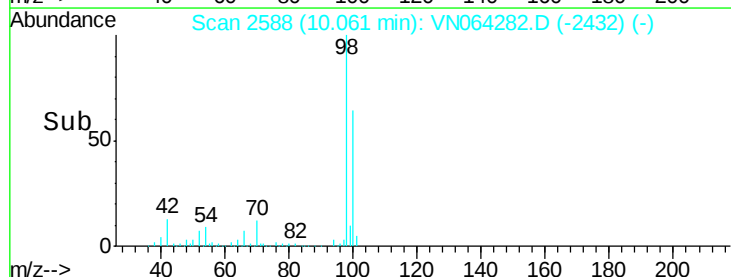
150000

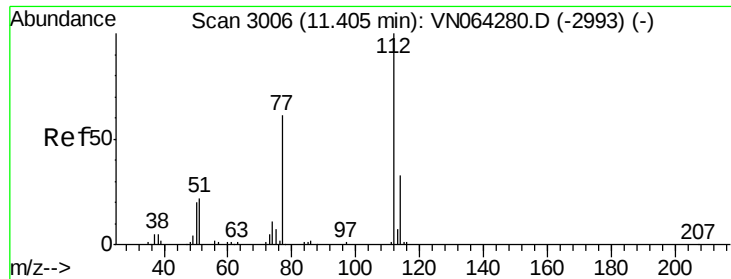
100000

50000

0

Time-->





#64

Chlorobenzene

Concen: 107.194 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VN064282.D

Acq: 23 Oct 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

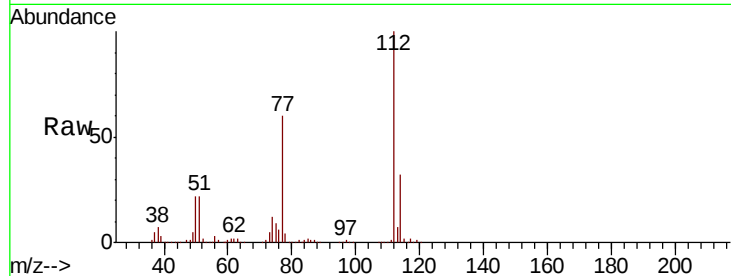
VSTDIC100

Tot Ion:112 Resp: 941502

Ion Ratio Lower Upper

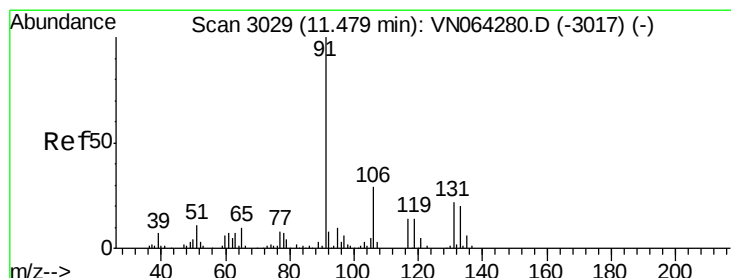
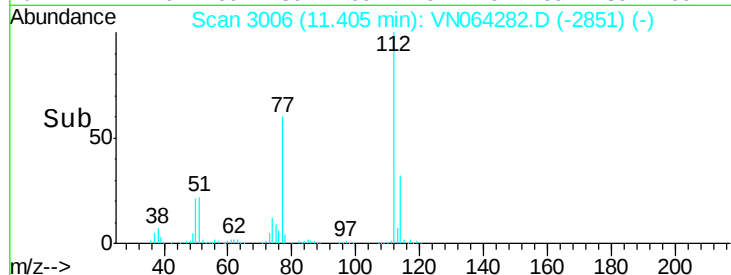
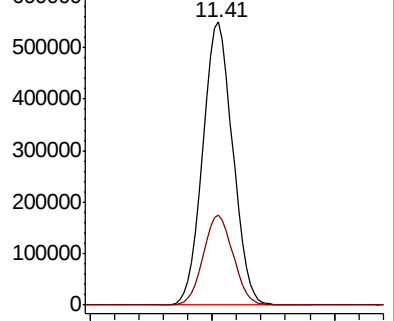
112 100

114 32.0 26.5 39.7



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#65

1,1,1,2-Tetrachloroethane

Concen: 106.529 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN064282.D

Acq: 23 Oct 2020 11:09

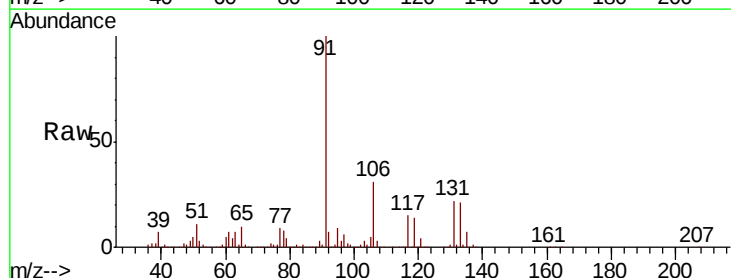
Tgt Ion:131 Resp: 368786

Ion Ratio Lower Upper

131 100

133 96.8 0.0 193.4

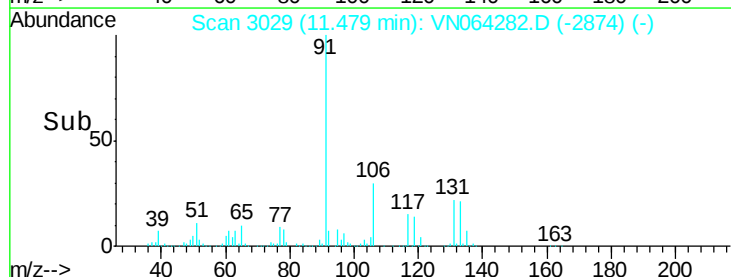
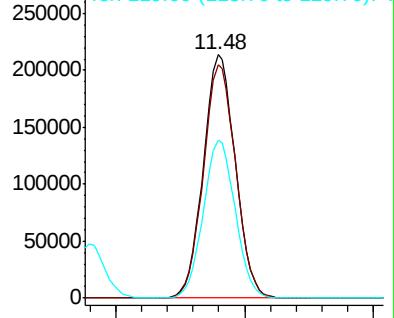
119 64.7 0.0 125.2

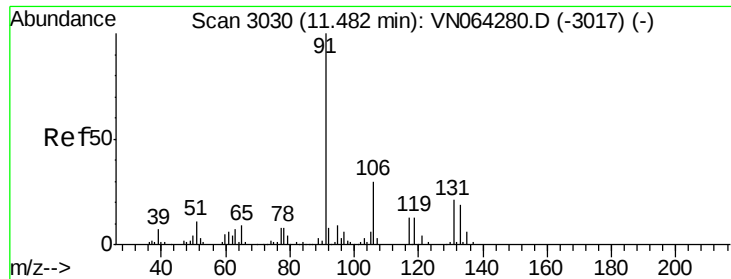


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#66

Ethyl Benzene

Concen: 106.729 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. -0.00 min

Lab File: VN064282.D

Acq: 23 Oct 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

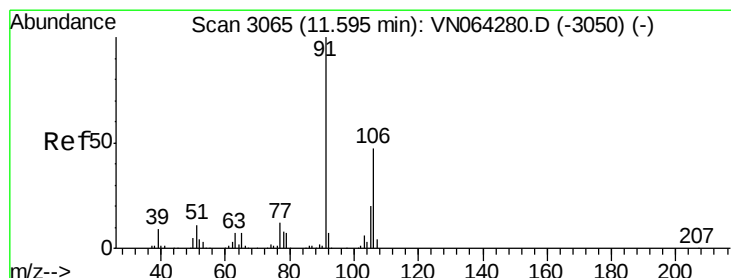
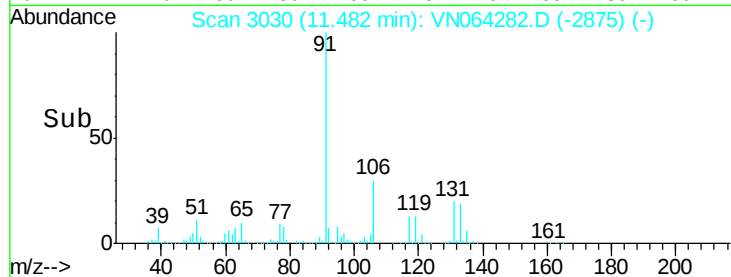
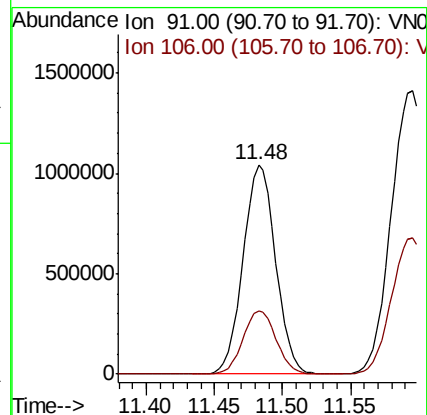
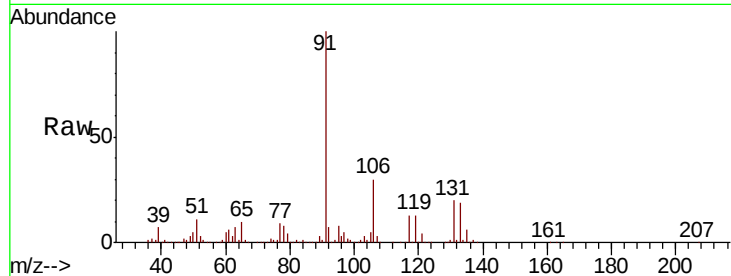
VSTDIC100

Tot Ion: 91 Resp: 1728705

Ion Ratio Lower Upper

91 100

106 30.5 23.8 35.6



#67

m/p-Xylenes

Concen: 215.131 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. -0.00 min

Lab File: VN064282.D

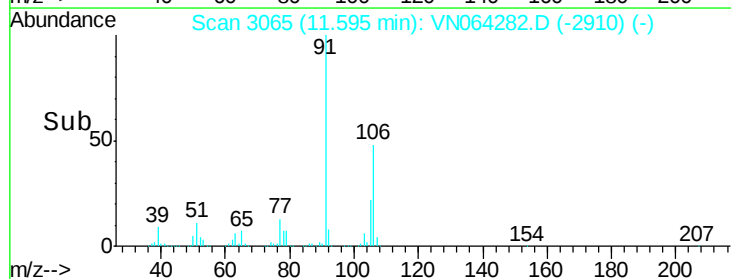
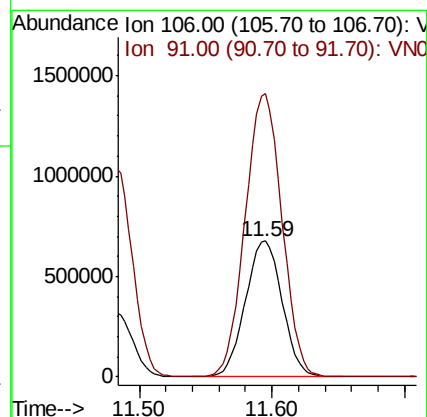
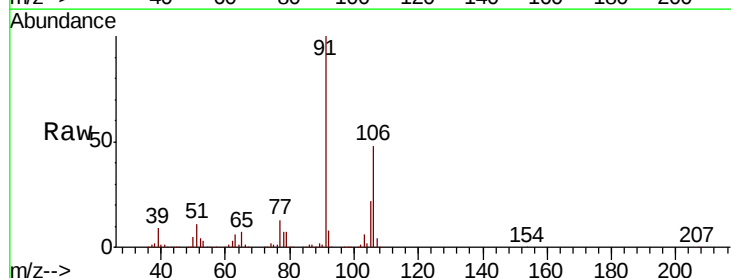
Acq: 23 Oct 2020 11:09

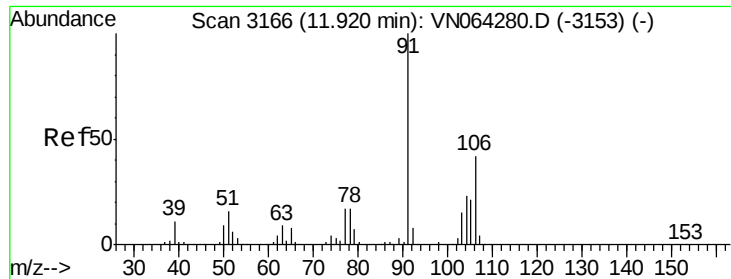
Tgt Ion:106 Resp: 1298117

Ion Ratio Lower Upper

106 100

91 209.5 170.6 255.8

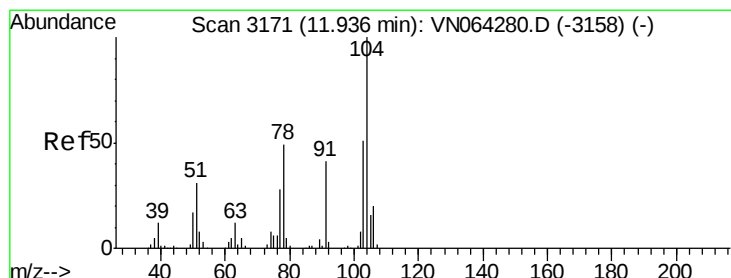
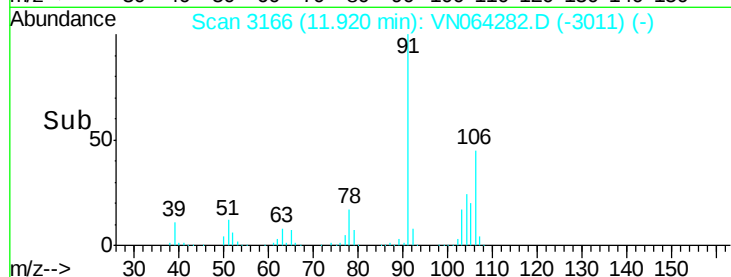
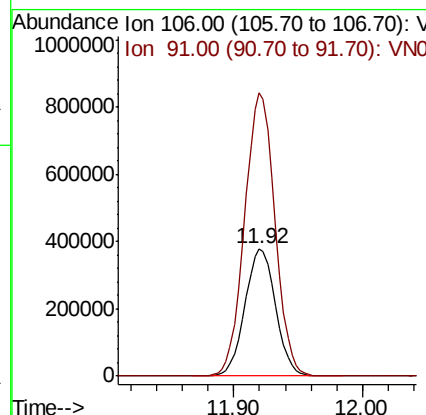
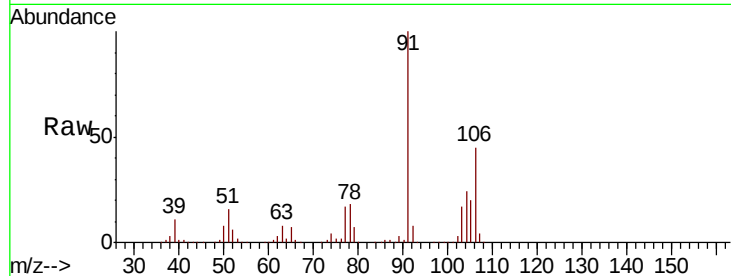




#68
o-Xylene
Concen: 106.597 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064282.D
Acq: 23 Oct 2020 11:09

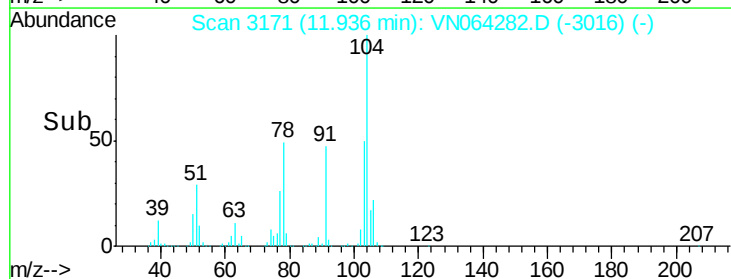
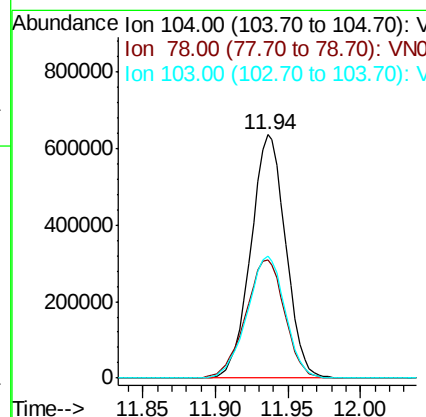
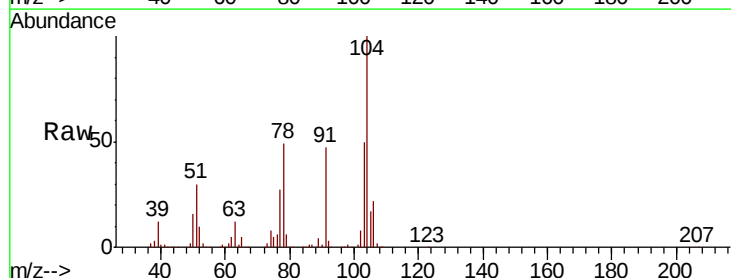
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

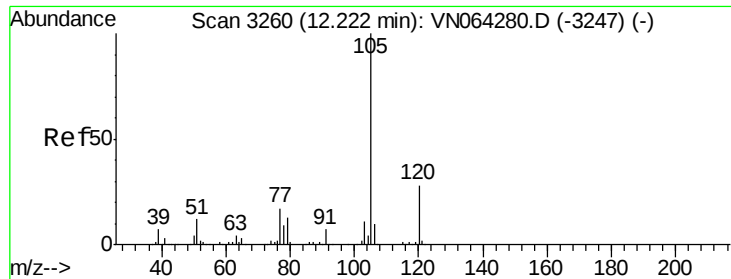
Tot Ion:106 Resp: 623913
Ion Ratio Lower Upper
106 100
91 221.3 115.3 346.0



#69
Styrene
Concen: 108.131 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064282.D
Acq: 23 Oct 2020 11:09

Tgt Ion:104 Resp: 1067270
Ion Ratio Lower Upper
104 100
78 54.4 45.4 68.2
103 54.6 44.6 67.0





#70

Isopropylbenzene

Concen: 107.772 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064282.D

Acq: 23 Oct 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

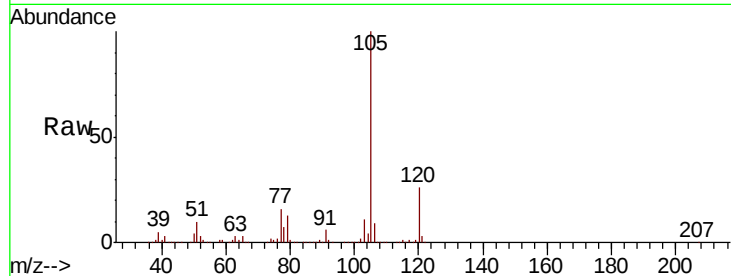
VSTDIC100

Tot Ion:105 Resp: 1662585

Ion Ratio Lower Upper

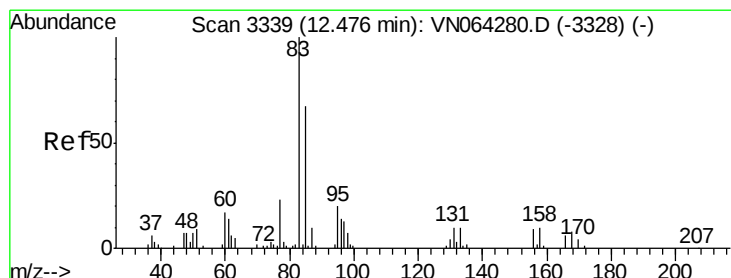
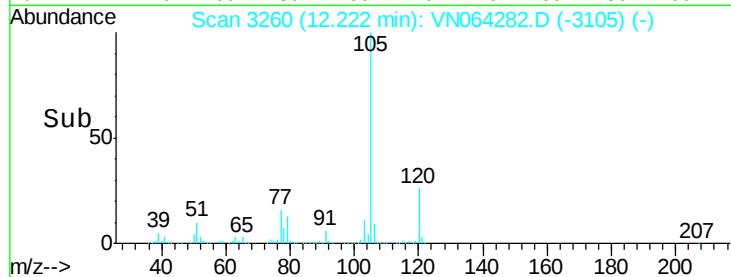
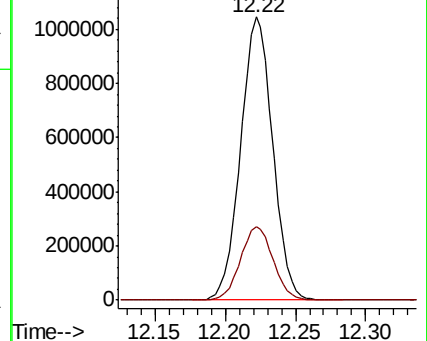
105 100

120 26.4 18.6 34.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#71

1,1,2,2-Tetrachloroethane

Concen: 105.168 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064282.D

Acq: 23 Oct 2020 11:09

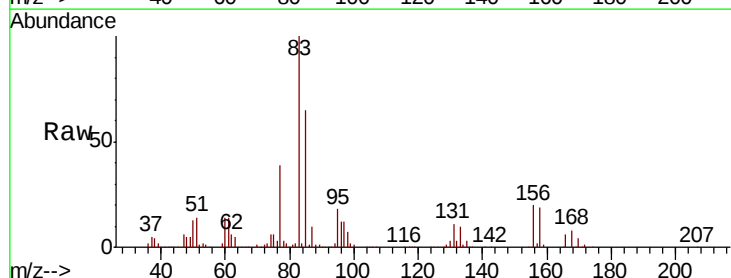
Tgt Ion: 83 Resp: 445653

Ion Ratio Lower Upper

83 100

131 10.9 5.7 17.0

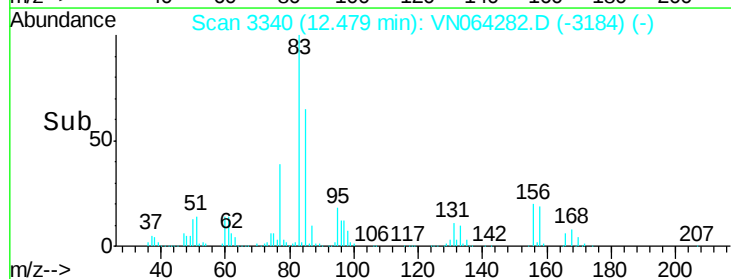
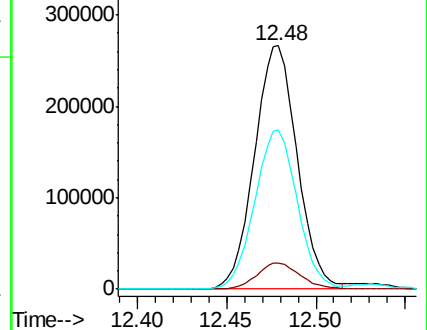
85 65.3 33.3 99.8

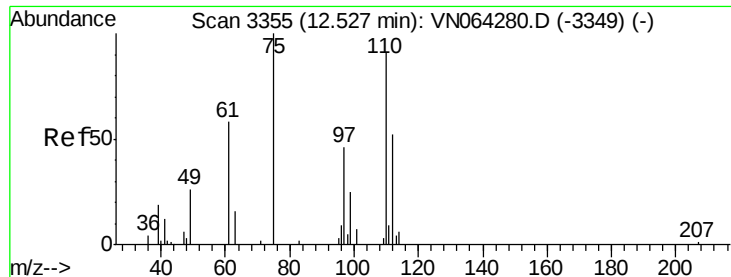


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): V





#72

1,2,3-Trichloropropane

Concen: 152.409 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN064282.D

Acq: 23 Oct 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

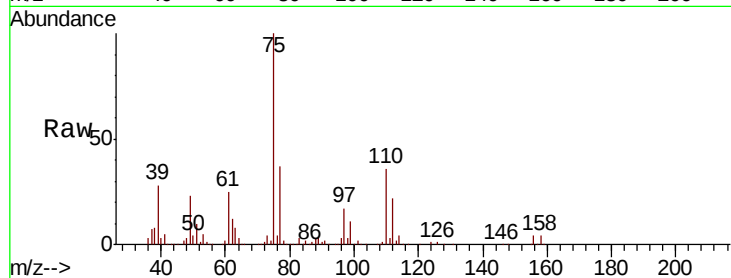
VSTDIC100

Tot Ion: 75 Resp: 680395

Ion Ratio Lower Upper

75 100

77 130.5 0.0 365.2



Abundance Ion 75.00 (74.70 to 75.70): VN064282.D (-3350) (-)

Ion 77.00 (76.70 to 77.70): VN064282.D (-3350) (-)

500000

400000

300000

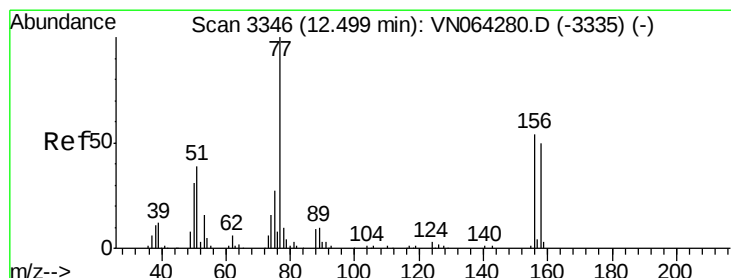
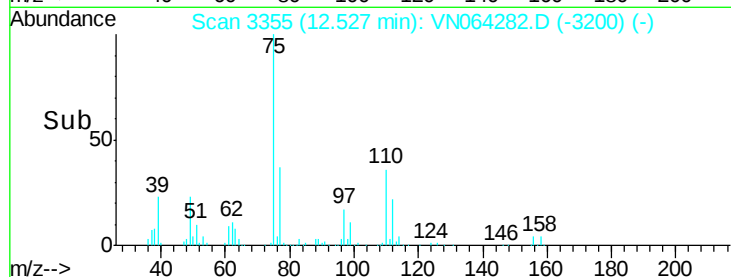
200000

100000

0

12.40 12.50 12.60

Time-->



#73

Bromobenzene

Concen: 109.602 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064282.D

Acq: 23 Oct 2020 11:09

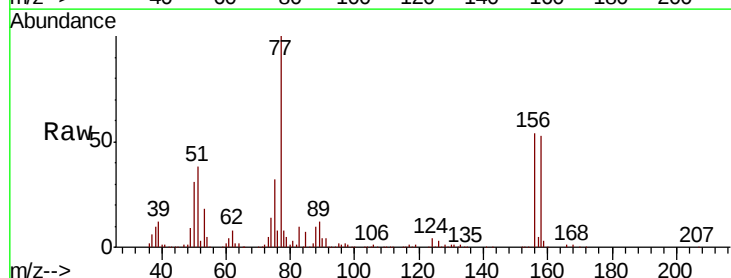
Tgt Ion: 156 Resp: 406186

Ion Ratio Lower Upper

156 100

77 218.6 0.0 450.2

158 97.4 0.0 194.8



Abundance Ion 156.00 (155.70 to 156.70): VN064282.D (-3190) (-)

Ion 77.00 (76.70 to 77.70): VN064282.D (-3190) (-)

Ion 158.00 (157.70 to 158.70): VN064282.D (-3190) (-)

600000

500000

400000

300000

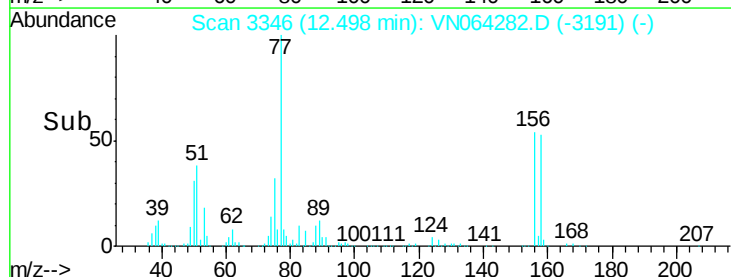
200000

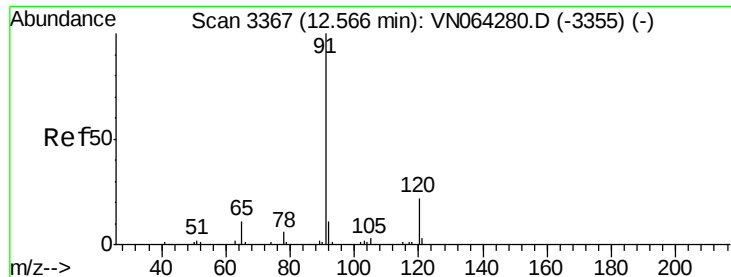
100000

0

12.45 12.50 12.55 12.60

Time-->





#74

n-propylbenzene

Concen: 108.860 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN064282.D

Acq: 23 Oct 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

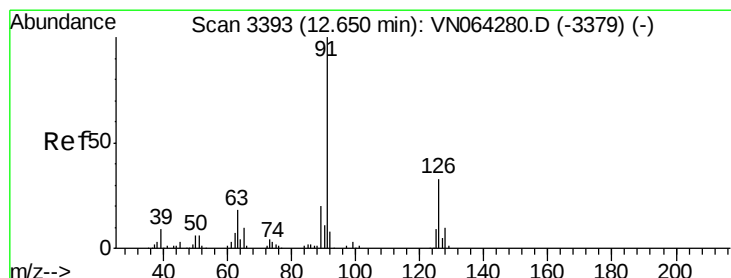
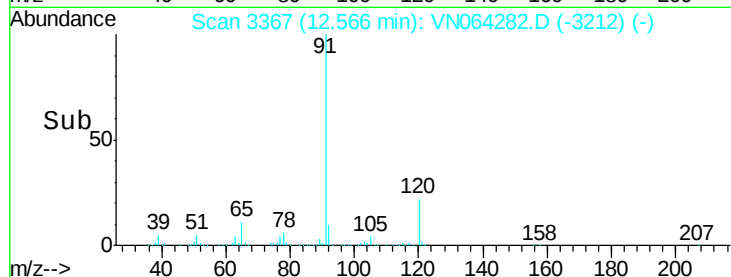
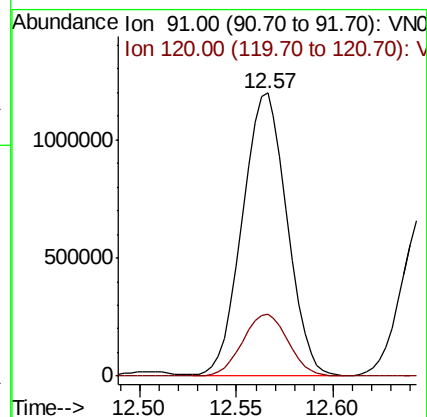
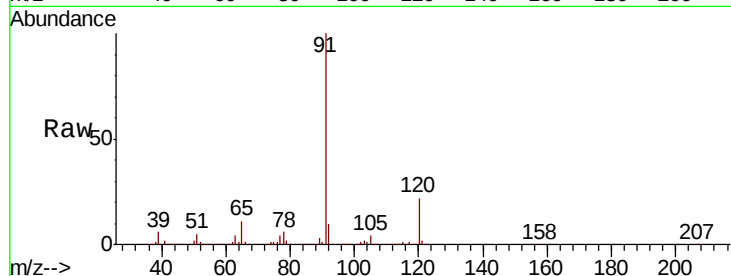
VSTDIC100

Tot Ion: 91 Resp: 1923261

Ion Ratio Lower Upper

91 100

120 22.3 0.0 43.6



#75

2-Chlorotoluene

Concen: 108.188 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064282.D

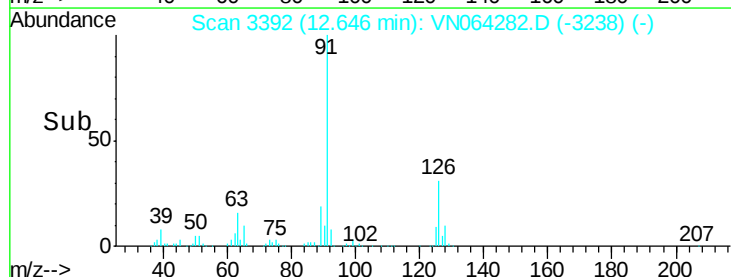
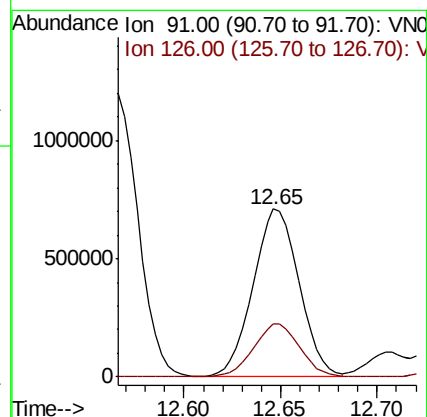
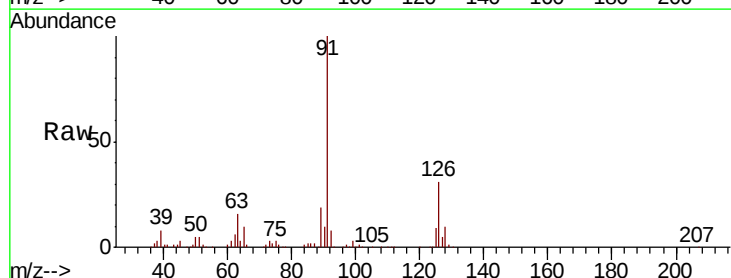
Acq: 23 Oct 2020 11:09

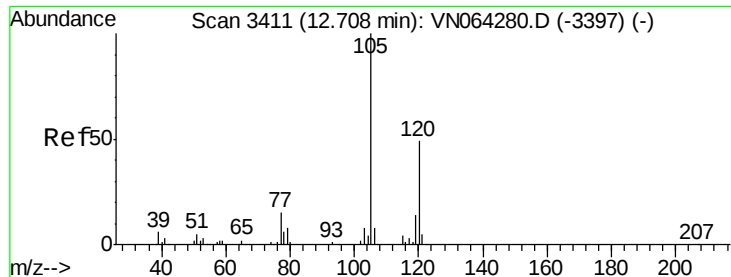
Tgt Ion: 91 Resp: 1179793

Ion Ratio Lower Upper

91 100

126 31.7 0.0 62.8





#76

1,3,5-Trimethylbenzene

Concen: 107.598 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064282.D

Acq: 23 Oct 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

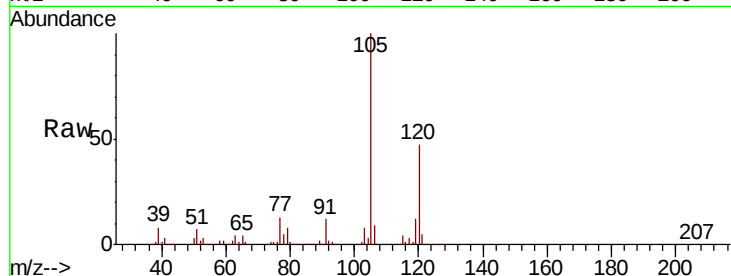
VSTDIC100

Tot Ion:105 Resp: 1414844

Ion Ratio Lower Upper

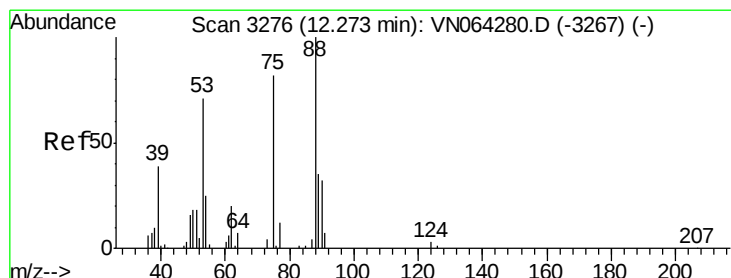
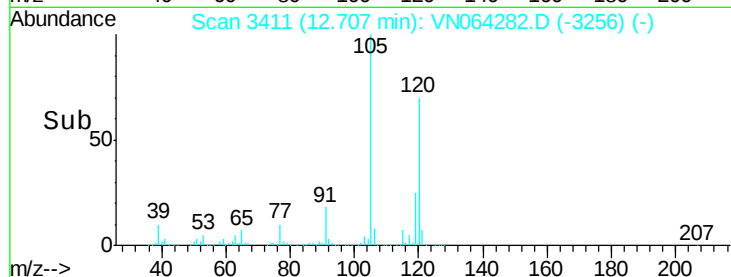
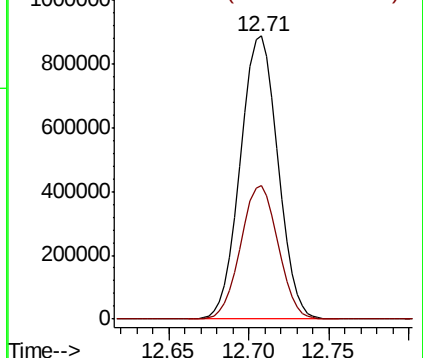
105 100

120 47.0 0.0 92.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#77

t-1,4-Dichloro-2-butene

Concen: 107.896 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064282.D

Acq: 23 Oct 2020 11:09

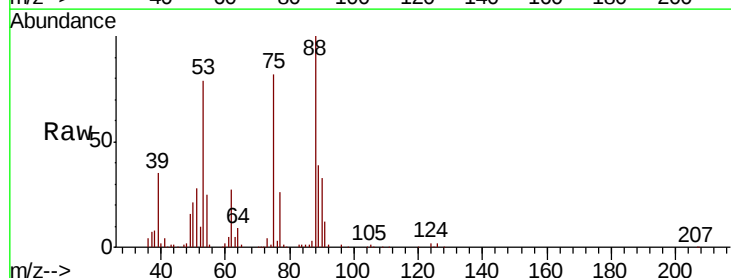
Tgt Ion: 75 Resp: 187155

Ion Ratio Lower Upper

75 100

53 96.4 44.8 134.3

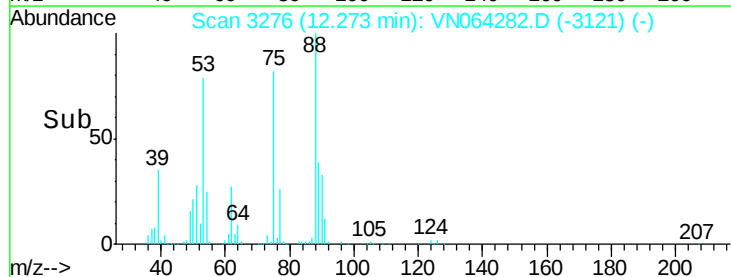
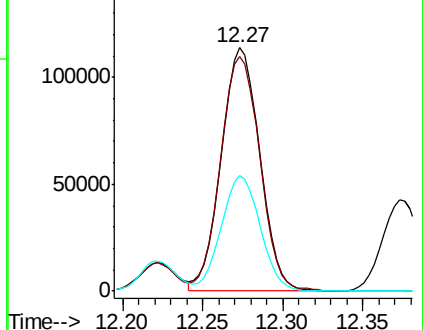
89 47.5 22.2 66.6

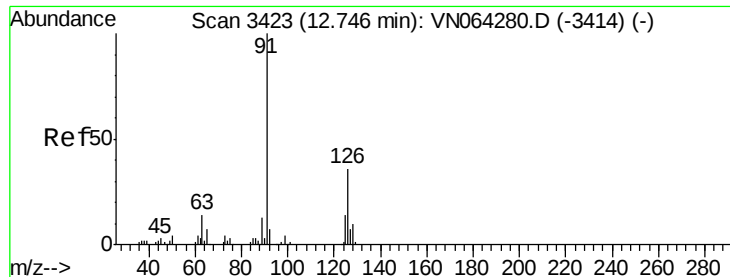


Abundance Ion 75.00 (74.70 to 75.70): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 89.00 (88.70 to 89.70): VNO





#78

4-Chlorotoluene

Concen: 108.691 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN064282.D

Acq: 23 Oct 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

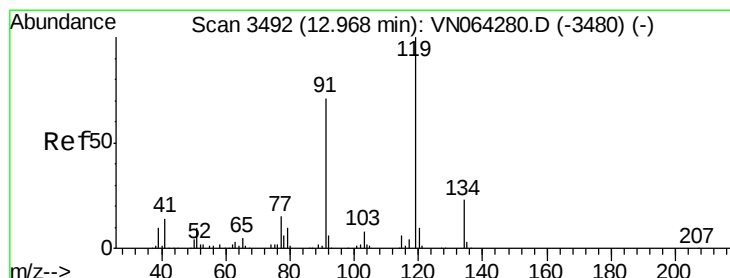
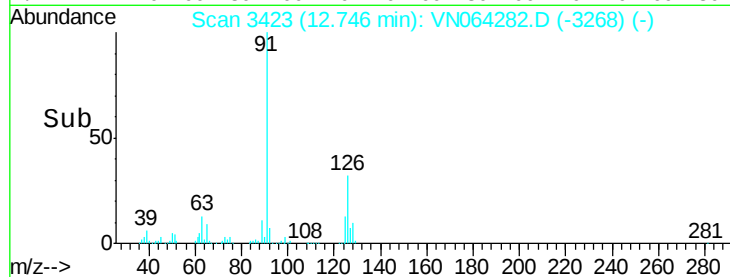
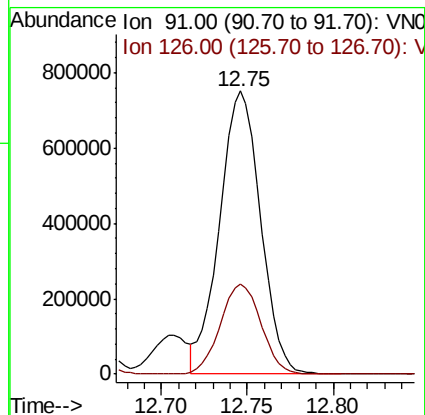
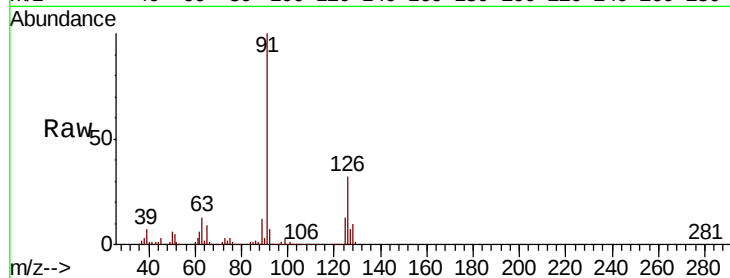
VSTDIC100

Tot Ion: 91 Resp: 1244719

Ion Ratio Lower Upper

91 100

126 31.7 0.0 62.2



#79

tert-butylbenzene

Concen: 107.245 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. -0.00 min

Lab File: VN064282.D

Acq: 23 Oct 2020 11:09

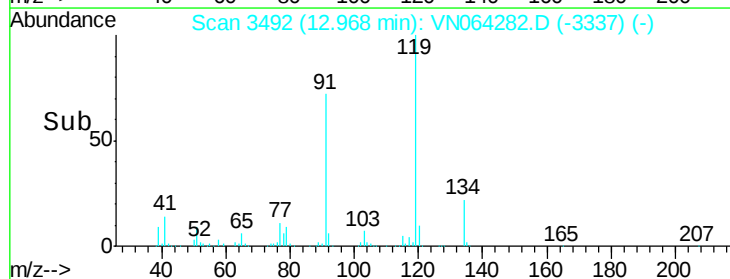
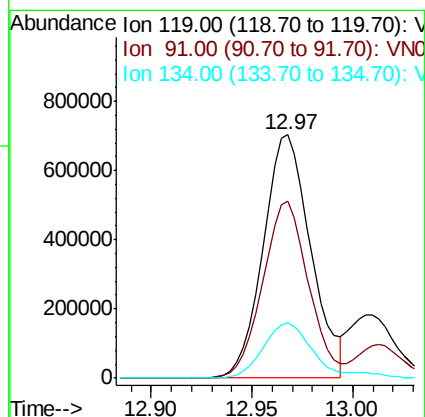
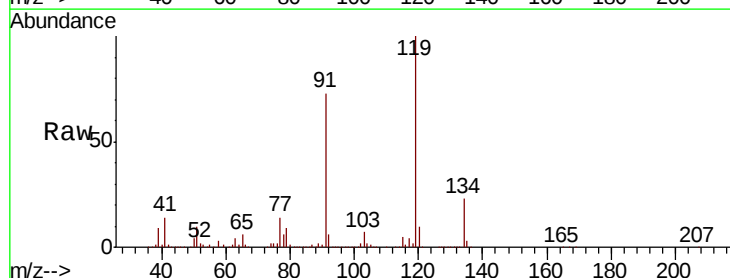
Tgt Ion: 119 Resp: 1154304

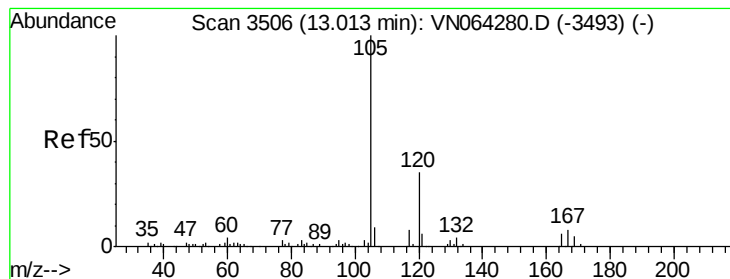
Ion Ratio Lower Upper

119 100

91 69.7 0.0 140.0

134 22.9 0.0 45.8





#80

1,2,4-Trimethylbenzene

Concen: 107.978 ug/l

RT: 13.01 min Scan# 3506

Delta R.T. -0.00 min

Lab File: VN064282.D

Acq: 23 Oct 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

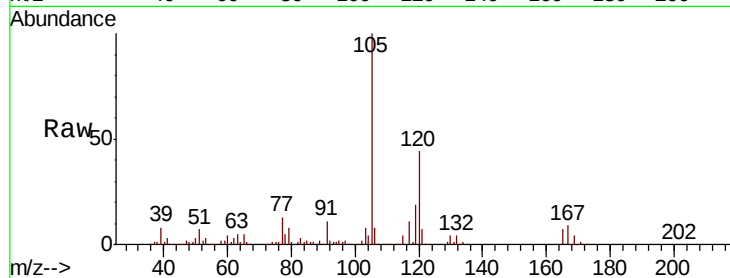
VSTDIC100

Tot Ion:105 Resp: 1434060

Ion Ratio Lower Upper

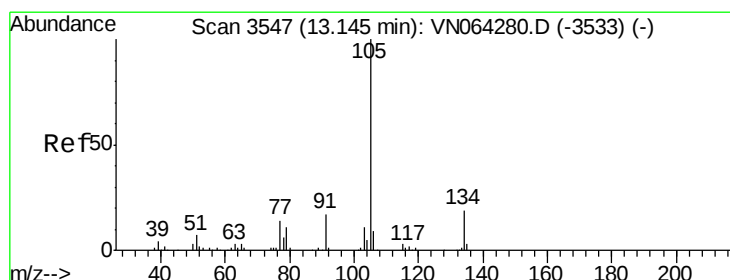
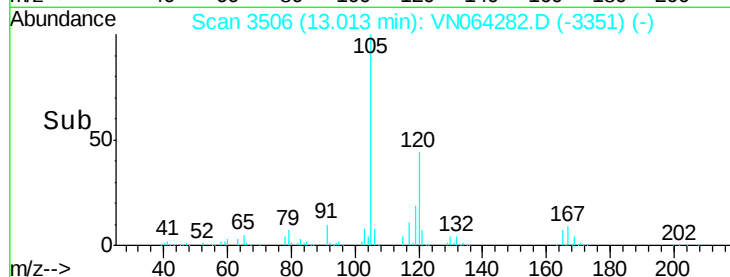
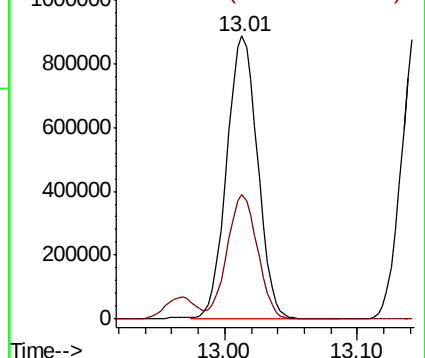
105 100

120 43.5 0.0 87.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

sec-Butylbenzene

Concen: 107.411 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064282.D

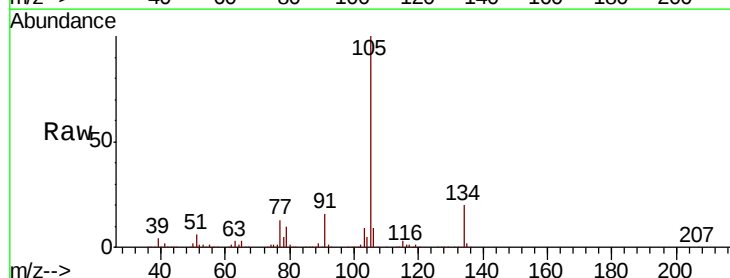
Acq: 23 Oct 2020 11:09

Tgt Ion:105 Resp: 1493196

Ion Ratio Lower Upper

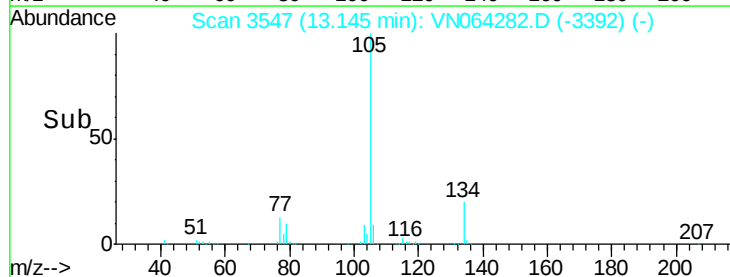
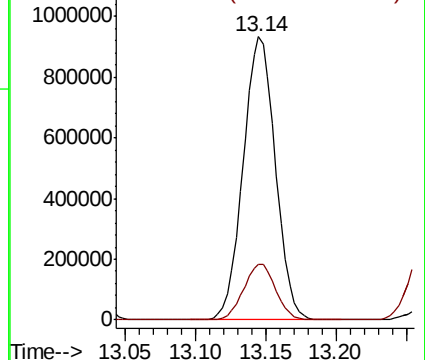
105 100

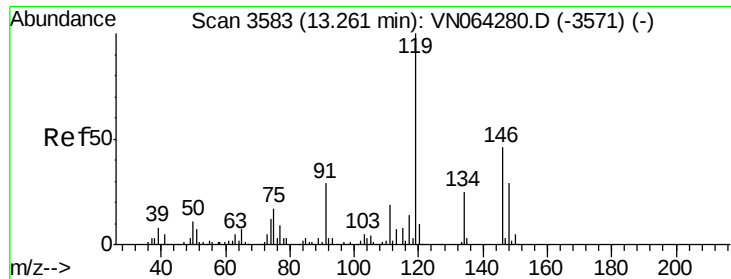
134 19.5 0.0 36.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

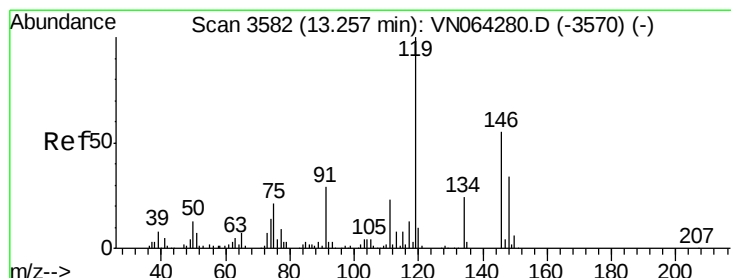
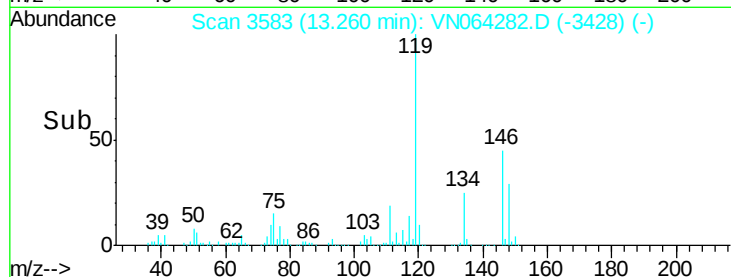
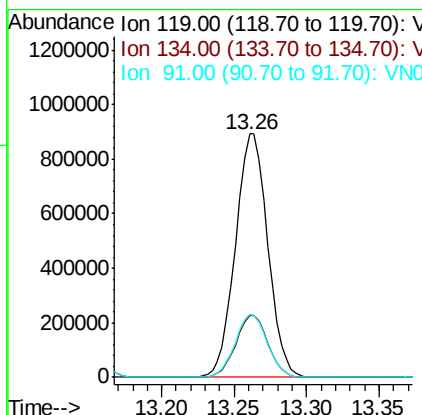
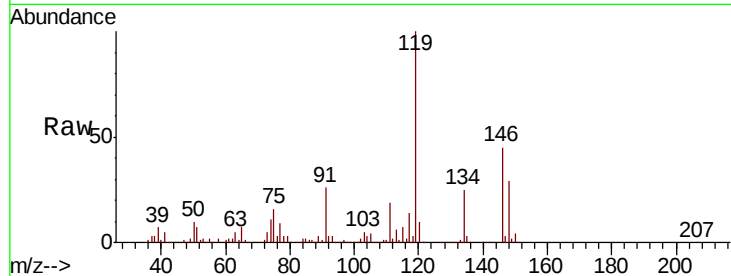




#82
 p-Isopropyltoluene
 Concen: 106.966 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN064282.D
 Acq: 23 Oct 2020 11:09

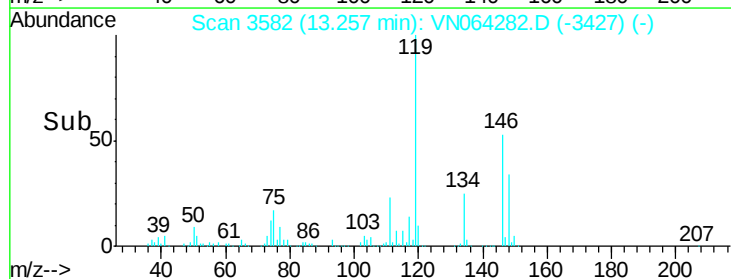
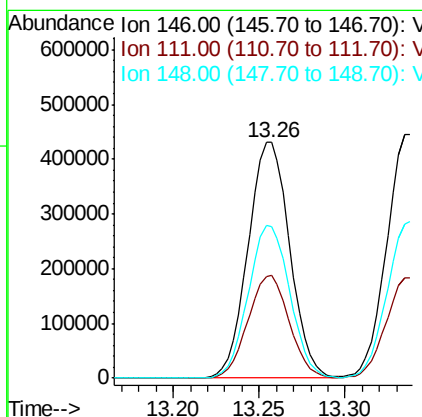
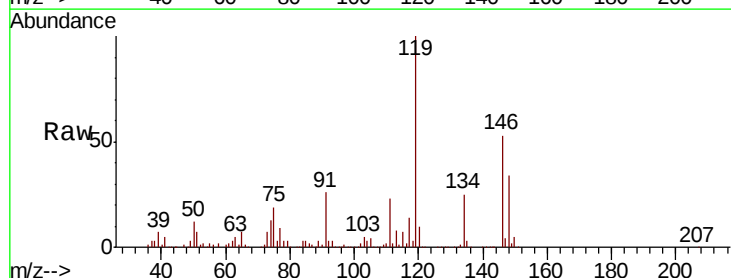
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

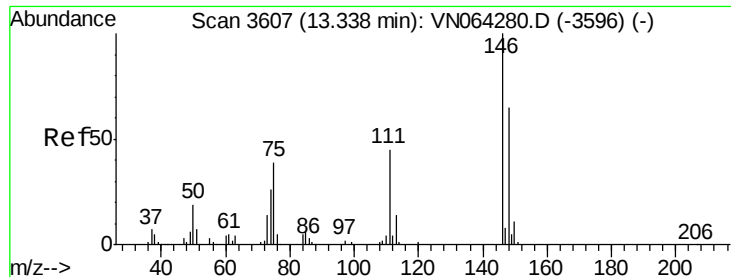
Tot Ion:119 Resp: 1379840
 Ion Ratio Lower Upper
 119 100
 134 25.4 0.0 47.8
 91 25.7 0.0 55.8



#83
 1,3-Dichlorobenzene
 Concen: 108.318 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN064282.D
 Acq: 23 Oct 2020 11:09

Tgt Ion:146 Resp: 724799
 Ion Ratio Lower Upper
 146 100
 111 43.2 22.1 66.5
 148 64.6 31.9 95.5





#84

1,4-Dichlorobenzene

Concen: 110.497 ug/l

RT: 13.33 min Scan# 3606

Delta R.T. -0.00 min

Lab File: VN064282.D

Acq: 23 Oct 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

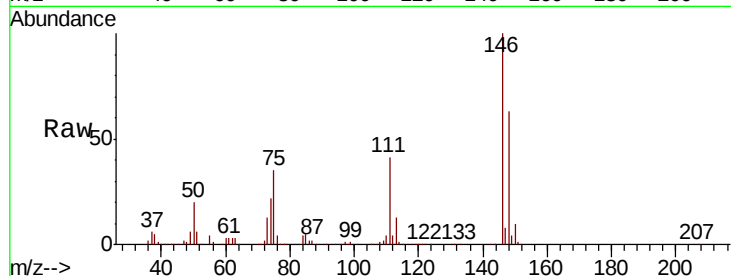
Tot Ion:146 Resp: 735651

Ion Ratio Lower Upper

146 100

111 41.8 20.3 61.0

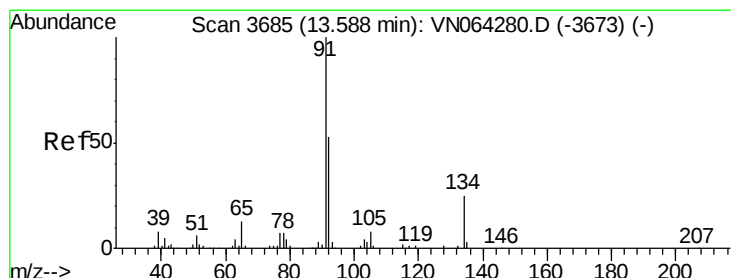
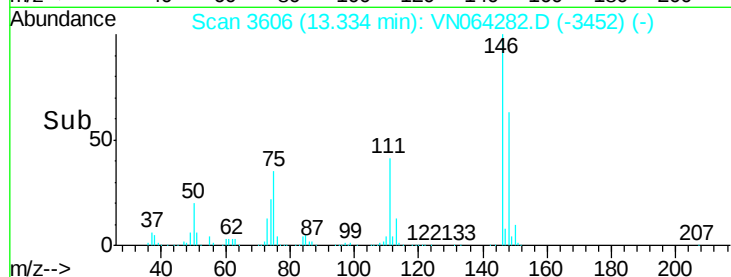
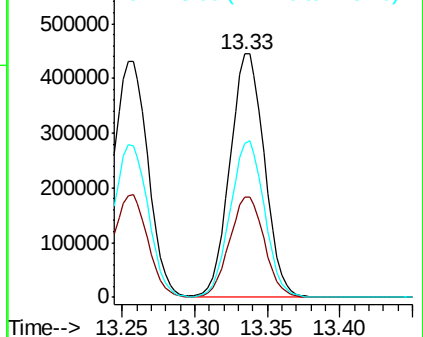
148 63.4 31.4 94.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#85

n-Butylbenzene

Concen: 106.442 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN064282.D

Acq: 23 Oct 2020 11:09

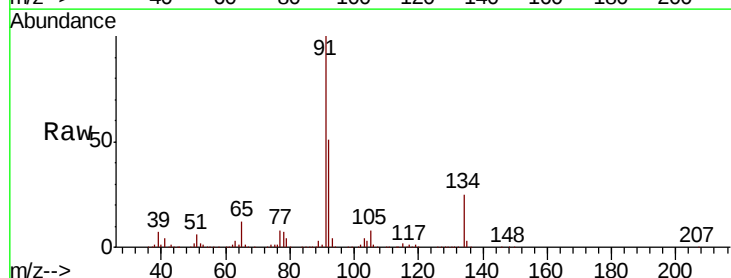
Tgt Ion: 91 Resp: 1215235

Ion Ratio Lower Upper

91 100

92 51.9 0.0 110.0

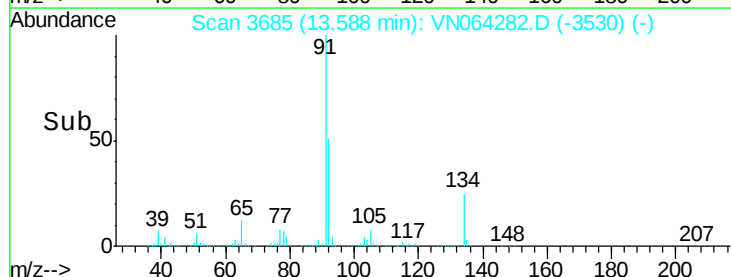
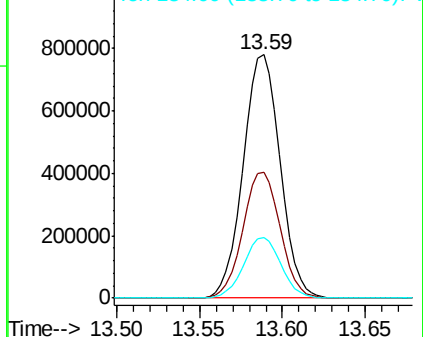
134 25.2 0.0 51.6

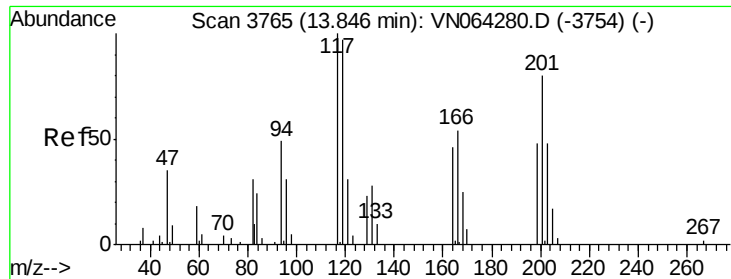


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V

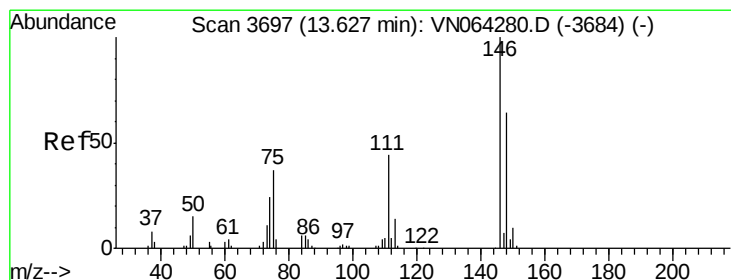
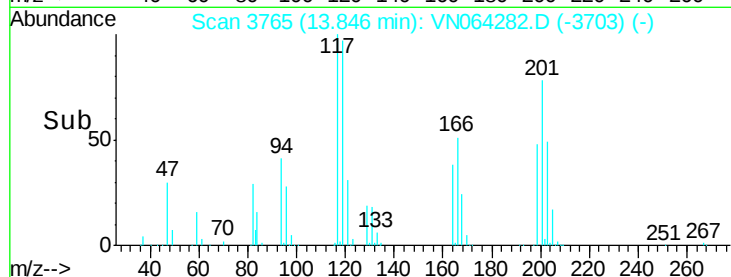
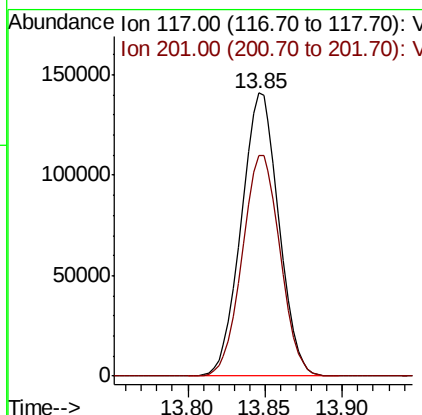
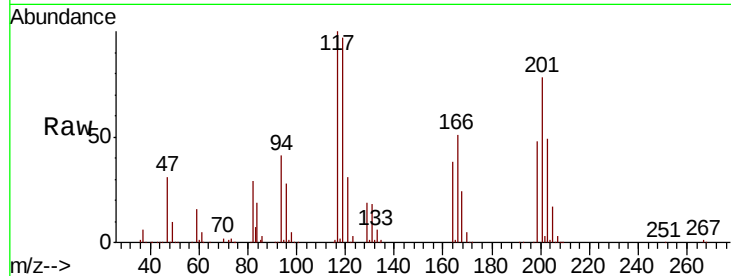




#86
Hexachloroethane
Concen: 107.836 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064282.D
Acq: 23 Oct 2020 11:09

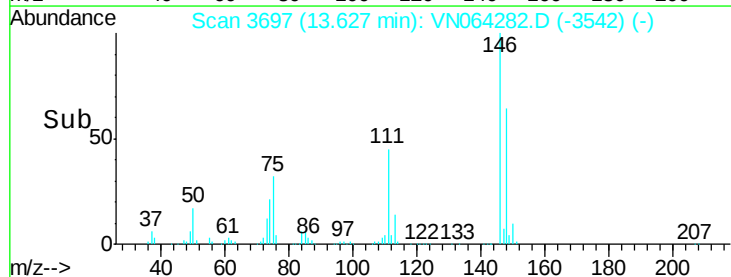
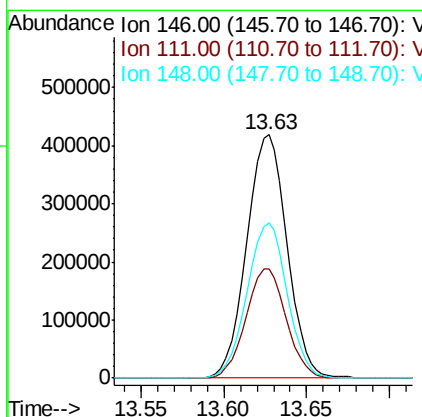
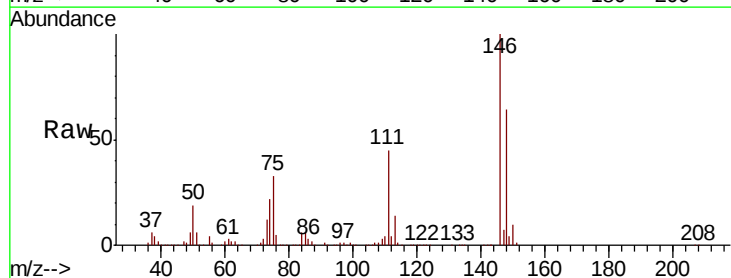
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

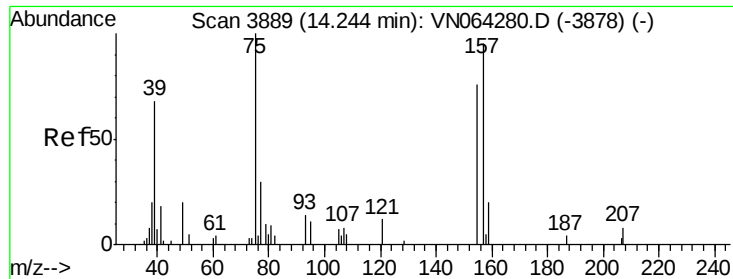
Tot Ion:117 Resp: 238090
Ion Ratio Lower Upper
117 100
201 79.0 37.2 111.6



#87
1,2-Dichlorobenzene
Concen: 108.632 ug/l
RT: 13.63 min Scan# 3697
Delta R.T. -0.00 min
Lab File: VN064282.D
Acq: 23 Oct 2020 11:09

Tgt Ion:146 Resp: 709125
Ion Ratio Lower Upper
146 100
111 44.9 23.1 69.3
148 63.8 32.3 96.8





#88

1,2-Dibromo-3-Chloropropane

Concen: 104.369 ug/l

RT: 14.24 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN064282.D

Acq: 23 Oct 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

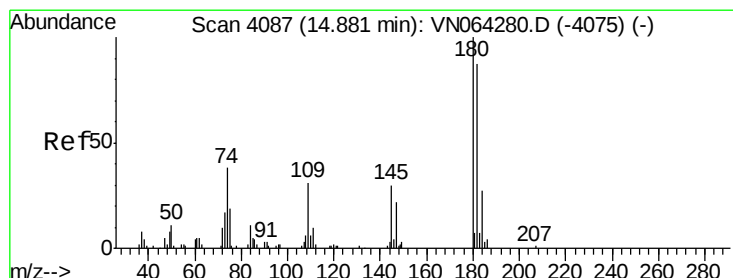
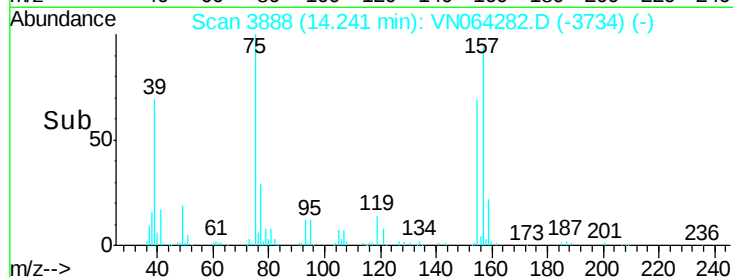
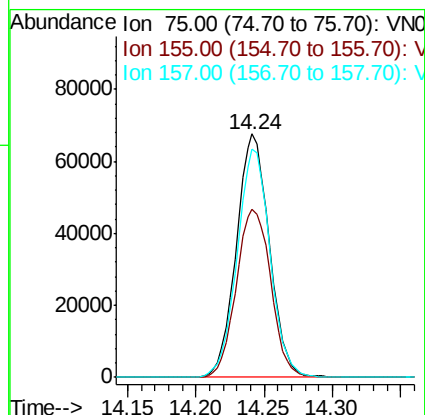
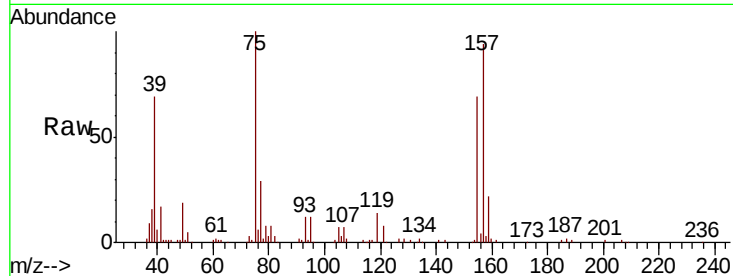
Tot Ion: 75 Resp: 113162

Ion Ratio Lower Upper

75 100

155 72.7 56.6 84.8

157 93.7 70.1 105.1



#89

1,2,4-Trichlorobenzene

Concen: 106.015 ug/l

RT: 14.88 min Scan# 4087

Delta R.T. -0.00 min

Lab File: VN064282.D

Acq: 23 Oct 2020 11:09

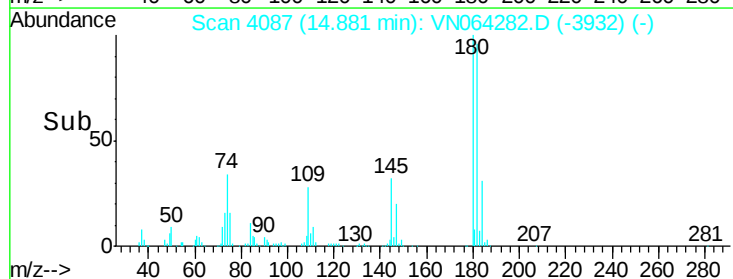
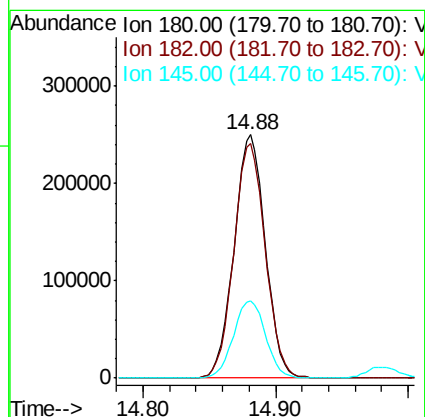
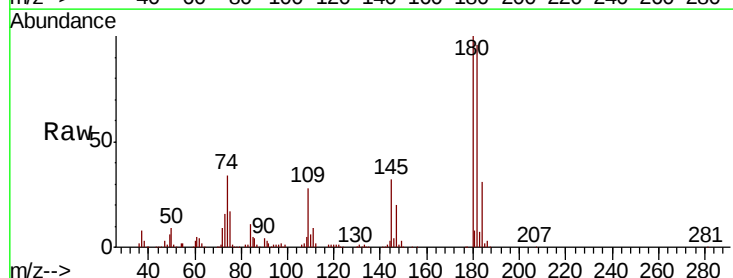
Tgt Ion: 180 Resp: 408101

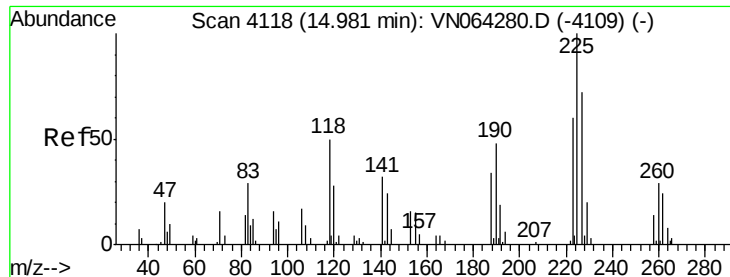
Ion Ratio Lower Upper

180 100

182 97.2 71.3 106.9

145 32.7 23.9 35.9





#90

Hexachlorobutadiene

Concen: 106.376 ug/l

RT: 14.98 min Scan# 4118

Delta R.T. -0.00 min

Lab File: VN064282.D

Acq: 23 Oct 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

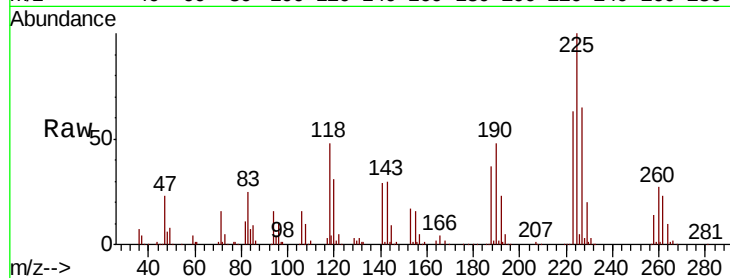
Tot Ion:225 Resp: 211949

Ion Ratio Lower Upper

225 100

223 63.3 0.0 129.8

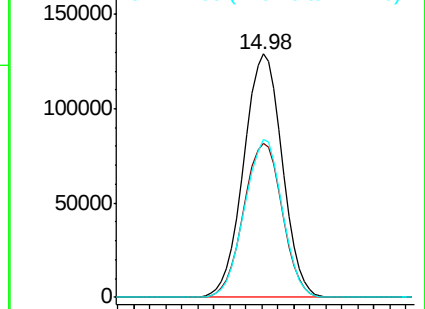
227 63.6 0.0 128.6



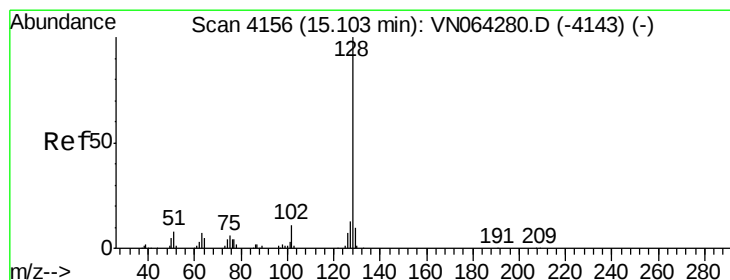
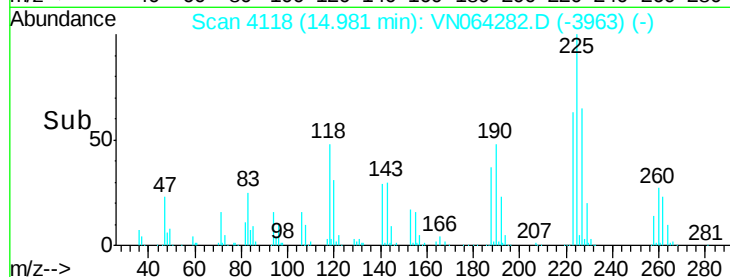
Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



Time--> 14.90 14.95 15.00 15.05



#91

Naphthalene

Concen: 104.277 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN064282.D

Acq: 23 Oct 2020 11:09

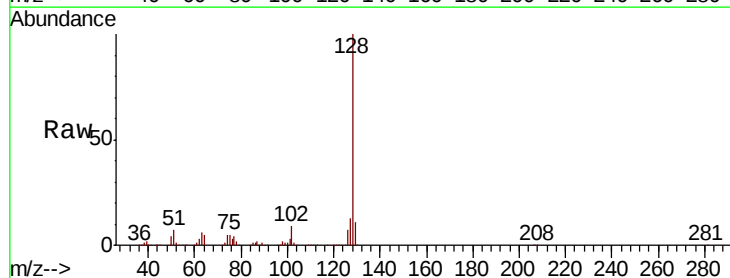
Tgt Ion:128 Resp: 1218716

Ion Ratio Lower Upper

128 100

127 12.9 9.9 14.9

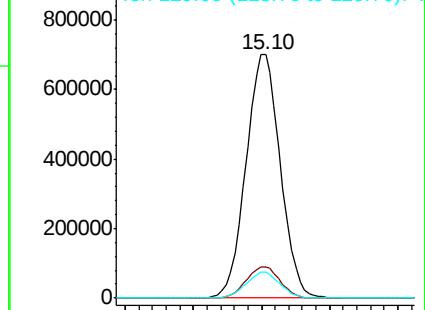
129 10.7 8.3 12.5



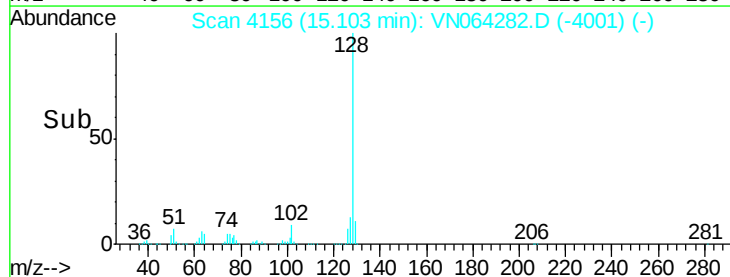
Abundance Ion 128.00 (127.70 to 128.70): V

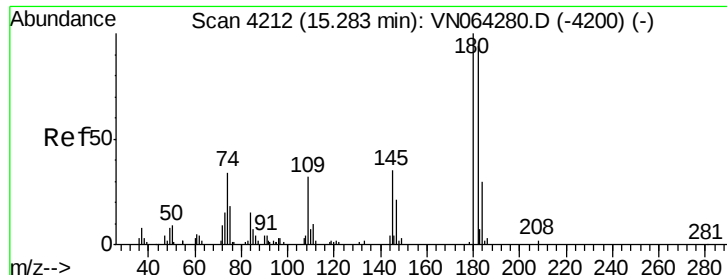
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time--> 15.00 15.05 15.10 15.15





#92

1,2,3-Trichlorobenzene

Concen: 105.615 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN064282.D

Acq: 23 Oct 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

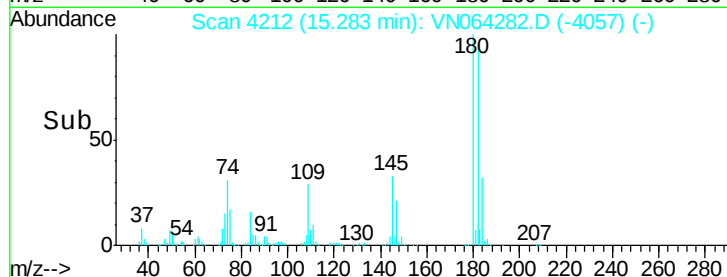
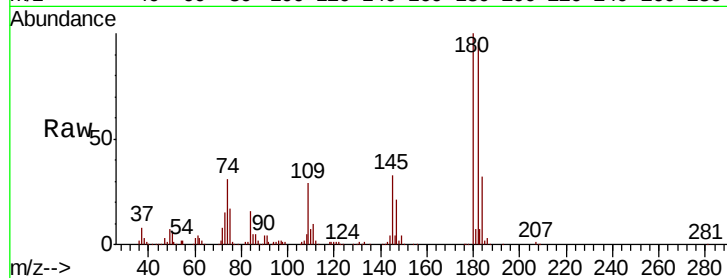
Tot Ion:180 Resp: 389949

Ion Ratio Lower Upper

180 100

182 95.8 0.0 188.8

145 33.1 0.0 70.0



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

