

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042220\
 Data File : VN061127.D
 Acq On : 22 Apr 2020 13:59
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Apr 22 14:55:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 22 14:48:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.40	168	203428	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.35	114	333100	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.21	117	304071	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.15	152	148449	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.77	65	52007	19.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.46%	
35) Dibromofluoromethane	7.31	113	36859	18.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.90%	
50) Toluene-d8	9.88	98	152597	20.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.38%	
62) 4-Bromofluorobenzene	12.21	95	56934	19.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.72	85	38759	16.833	ug/l	100
3) Chloromethane	1.91	50	44163	13.035	ug/l	99
4) Vinyl Chloride	2.03	62	54903	18.476	ug/l	99
5) Bromomethane	2.39	94	25993	17.518	ug/l	98
6) Chloroethane	2.52	64	28715	17.069	ug/l	98
7) Trichlorofluoromethane	2.82	101	56203	15.662	ug/l	100
8) Diethyl Ether	3.18	74	26159	17.929	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.51	101	39316	18.092	ug/l	99
10) Methyl Iodide	3.68	142	53996	25.277	ug/l	100
11) Tert butyl alcohol	4.44	59	31507	70.866	ug/l #	87
12) 1,1-Dichloroethene	3.49	96	38588	17.602	ug/l	97
13) Acrolein	3.36	56	22576	61.030	ug/l	100
14) Allyl chloride	4.03	41	57934	14.499	ug/l	98
15) Acrylonitrile	4.64	53	105420	86.028	ug/l	99
16) Acetone	3.55	43	95981	86.790	ug/l	99
17) Carbon Disulfide	3.78	76	115045	16.788	ug/l	100
18) Methyl Acetate	4.02	43	59583	16.967	ug/l	99
19) Methyl tert-butyl Ether	4.69	73	137231	17.871	ug/l	99
20) Methylene Chloride	4.24	84	43567	17.618	ug/l	98
21) trans-1,2-Dichloroethene	4.70	96	44183	18.628	ug/l	99
22) Diisopropyl ether	5.61	45	141100	16.501	ug/l	100
23) Vinyl Acetate	5.55	43	574761	85.270	ug/l	100
24) 1,1-Dichloroethane	5.51	63	79284	17.070	ug/l	99
25) 2-Butanone	6.51	43	140408	81.981	ug/l	100
26) 2,2-Dichloropropane	6.50	77	69567	17.858	ug/l	99
27) cis-1,2-Dichloroethene	6.51	96	50277	18.517	ug/l	97
28) Bromochloromethane	6.89	49	33515	15.967	ug/l	97
29) Tetrahydrofuran	6.91	42	96934	83.134	ug/l	100
30) Chloroform	7.08	83	79172	18.059	ug/l	100
31) Cyclohexane	7.37	56	79512	16.796	ug/l	99
32) 1,1,1-Trichloroethane	7.29	97	71005	18.669	ug/l	98
36) 1,1-Dichloropropene	7.52	75	61756	18.103	ug/l	99
37) Ethyl Acetate	6.61	43	62357	16.970	ug/l	99
38) Carbon Tetrachloride	7.50	117	53262	18.681	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	75330	18.424	ug/l	99
40) Benzene	7.78	78	181339	17.919	ug/l	100
41) Methacrylonitrile	6.90	41	89610	57.542	ug/l #	1
42) 1,2-Dichloroethane	7.87	62	65578	18.929	ug/l	100
43) Isopropyl Acetate	7.92	43	103736	17.323	ug/l	100
44) Trichloroethene	8.61	130	53393	20.482	ug/l	98
45) 1,2-Dichloropropane	8.89	63	47706	17.518	ug/l	100
46) Dibromomethane	8.98	93	30453	19.074	ug/l	98
47) Bromodichloromethane	9.18	83	60489	18.088	ug/l	100
48) Methyl methacrylate	8.98	41	46791	17.554	ug/l	98
49) 1,4-Dioxane	8.98	88	10618	328.218	ug/l	98
51) 4-Methyl-2-Pentanone	9.78	43	309539	89.390	ug/l	100
52) Toluene	9.95	92	112278	18.389	ug/l	99
53) t-1,3-Dichloropropene	10.18	75	72384	18.609	ug/l	99
54) cis-1,3-Dichloropropene	9.63	75	77260	18.273	ug/l	99
55) 1,1,2-Trichloroethane	10.36	97	43905	18.962	ug/l	98
56) Ethyl methacrylate	10.24	69	65386	18.061	ug/l	98
57) 1,3-Dichloropropane	10.51	76	74674	18.200	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.49	63	170766	99.373	ug/l	99
59) 2-Hexanone	10.56	43	226894	90.609	ug/l	100
60) Dibromochloromethane	10.70	129	45383	18.997	ug/l	99
61) 1,2-Dibromoethane	10.81	107	45014	18.969	ug/l	100
64) Tetrachloroethene	10.43	164	60020	24.441	ug/l	99
65) Chlorobenzene	11.24	112	117240	18.659	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.32	131	41205	18.300	ug/l	97
67) Ethyl Benzene	11.32	91	218830	18.555	ug/l	99
68) m/p-Xylenes	11.43	106	163198	38.055	ug/l	99
69) o-Xylene	11.76	106	77287	18.742	ug/l	97
70) Styrene	11.77	104	126128	19.004	ug/l	99
71) Bromoform	11.93	173	30690	18.274	ug/l #	98
73) Isopropylbenzene	12.06	105	211434	17.847	ug/l	99
74) N-amyl acetate	11.89	43	93474	17.086	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.32	83	56486	15.953	ug/l	99
76) 1,2,3-Trichloropropane	12.36	75	85292	25.705	ug/l #	100
77) Bromobenzene	12.33	156	50773	18.208	ug/l	98
78) n-propylbenzene	12.40	91	246282	17.826	ug/l	100
79) 2-Chlorotoluene	12.48	91	142842	17.632	ug/l	99
80) 1,3,5-Trimethylbenzene	12.55	105	176753	18.061	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.11	75	23352	17.582	ug/l	97
82) 4-Chlorotoluene	12.58	91	151316	17.998	ug/l	99
83) tert-Butylbenzene	12.81	119	147602	17.873	ug/l	98
84) 1,2,4-Trimethylbenzene	12.85	105	177383	18.324	ug/l	100
85) sec-Butylbenzene	12.99	105	200628	17.994	ug/l	100
86) p-Isopropyltoluene	13.10	119	183781	18.460	ug/l	99
87) 1,3-Dichlorobenzene	13.09	146	90600	18.317	ug/l	100
88) 1,4-Dichlorobenzene	13.17	146	91041	18.254	ug/l	99
89) n-Butylbenzene	13.43	91	165270	17.922	ug/l	99
90) Hexachloroethane	13.68	117	13303	9.318	ug/l	98
91) 1,2-Dichlorobenzene	13.46	146	86333	18.325	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.08	75	11864	17.130	ug/l	97

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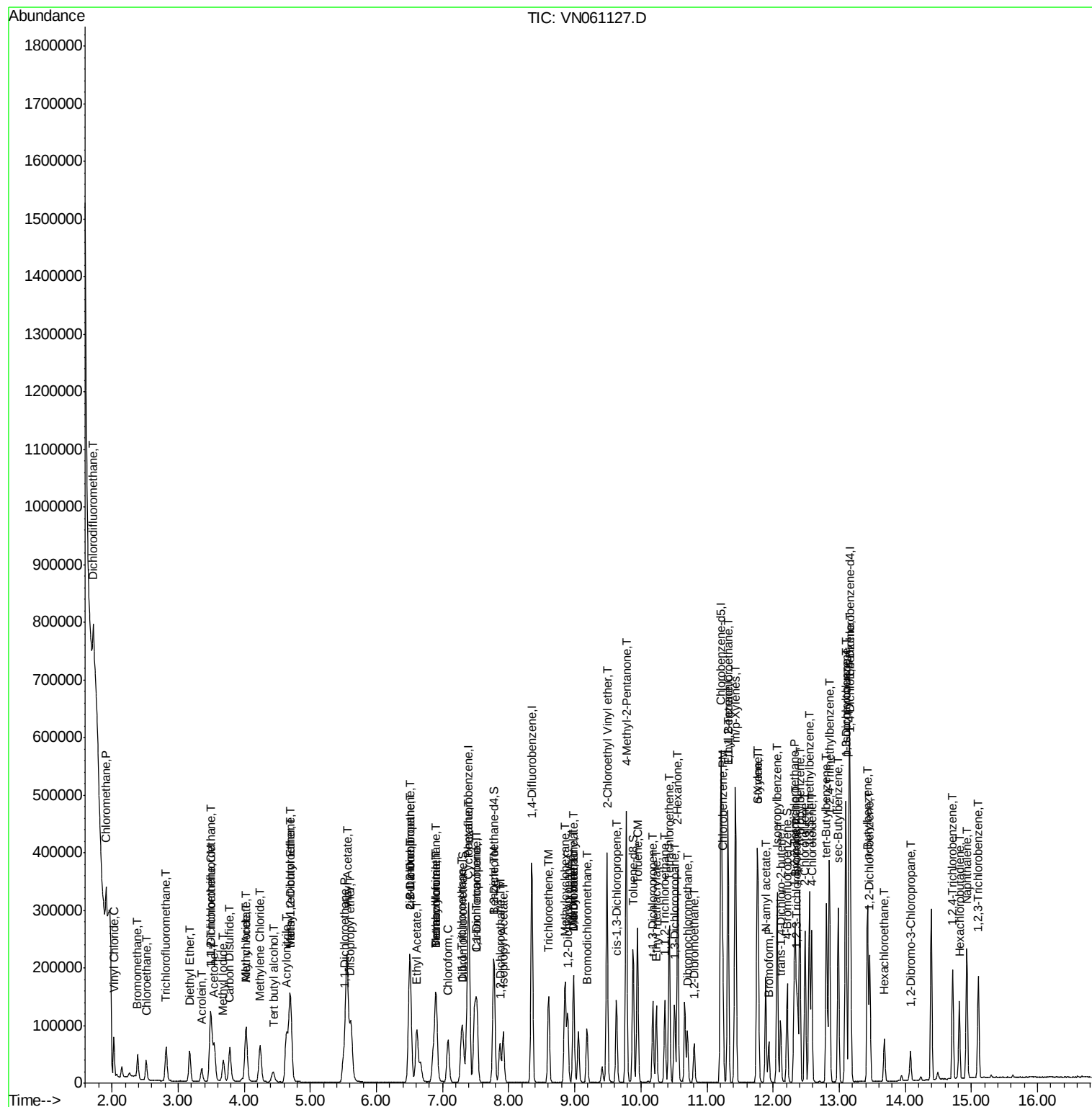
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.72	180	56732	20.169	ug/l	98
94) Hexachlorobutadiene	14.82	225	24402	17.227	ug/l	98
95) Naphthalene	14.93	128	175249	21.071	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	54428	20.067	ug/l	99

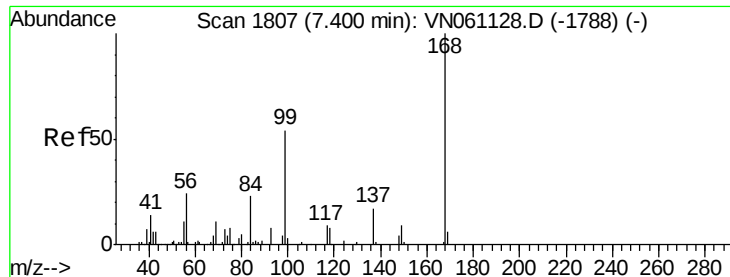
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN042220\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.40 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN061127.D

Acq: 22 Apr 2020 13:59

Instrument :

MSVOA_N

ClientSampleId :

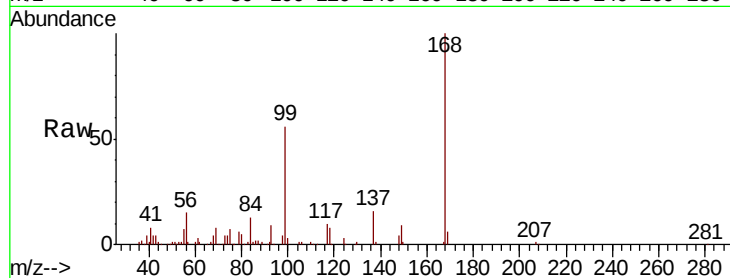
VSTDIC020

Tot Ion:168 Resp: 203428

Ion Ratio Lower Upper

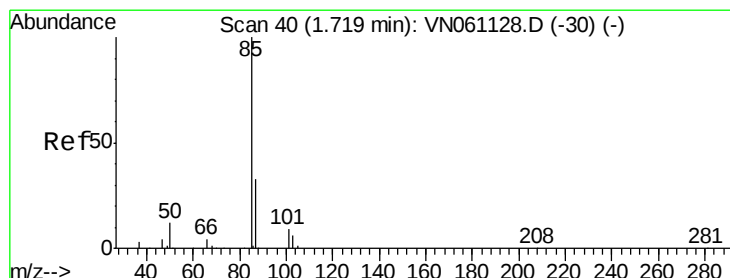
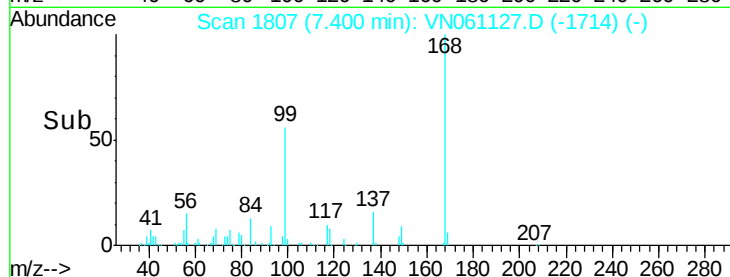
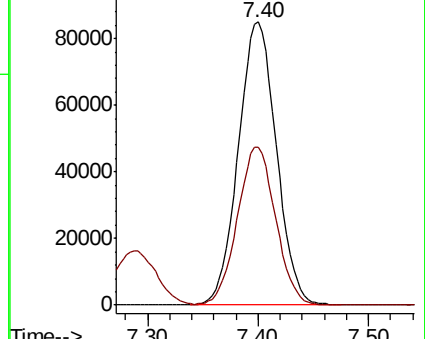
168 100

99 55.7 44.3 66.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 16.833 ug/l

RT: 1.72 min Scan# 40

Delta R.T. 0.00 min

Lab File: VN061127.D

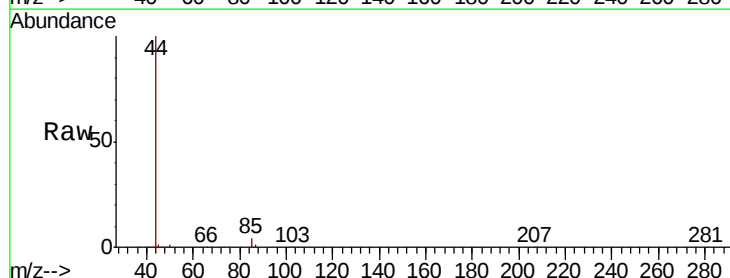
Acq: 22 Apr 2020 13:59

Tgt Ion: 85 Resp: 38759

Ion Ratio Lower Upper

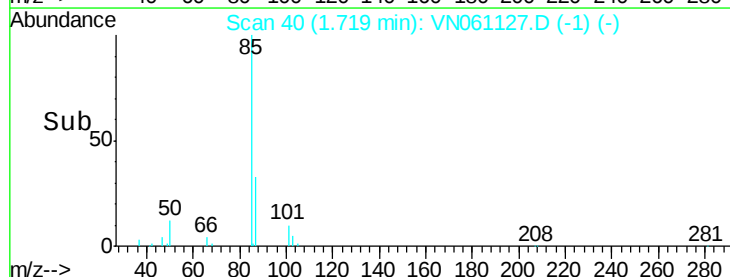
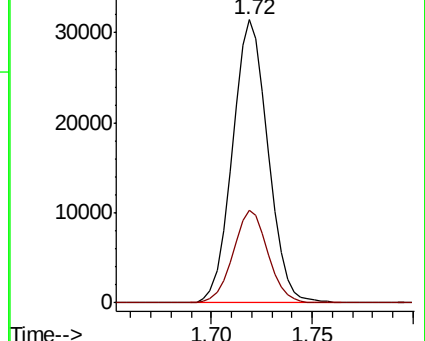
85 100

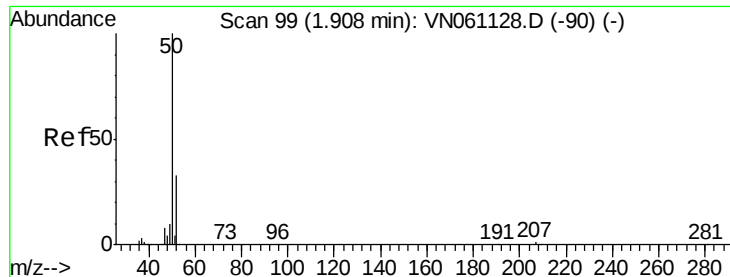
87 32.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 13.035 ug/l

RT: 1.91 min Scan# 99

Delta R.T. 0.00 min

Lab File: VN061127.D

Acq: 22 Apr 2020 13:59

Instrument :

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ClientSampleId :

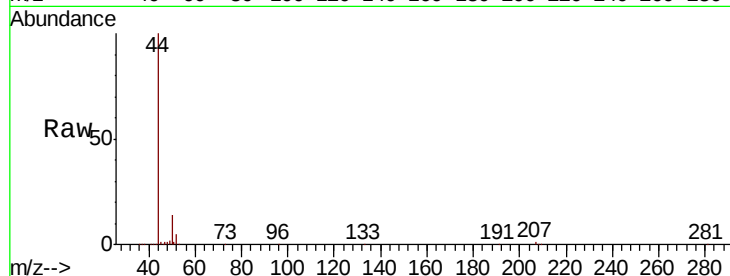
VSTDIC020

Tot Ion: 50 Resp: 44163

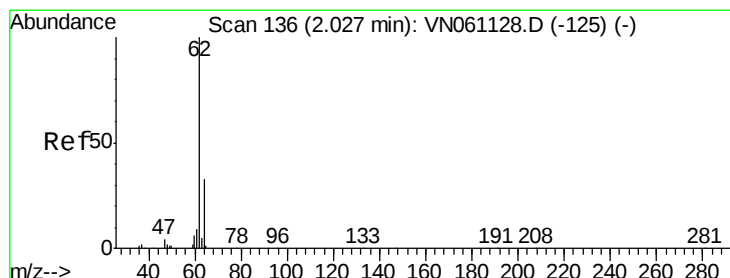
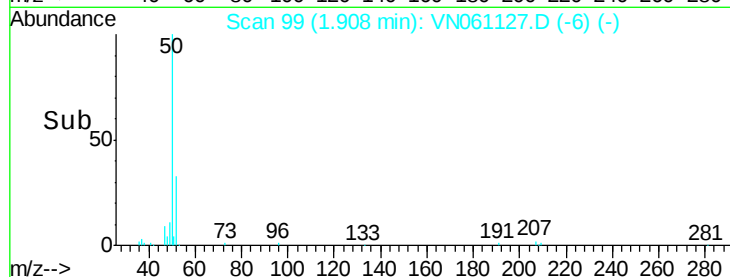
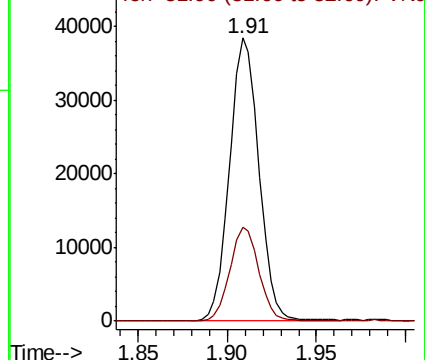
Ion Ratio Lower Upper

50 100

52 33.4 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 18.476 ug/l

RT: 2.03 min Scan# 136

Delta R.T. 0.00 min

Lab File: VN061127.D

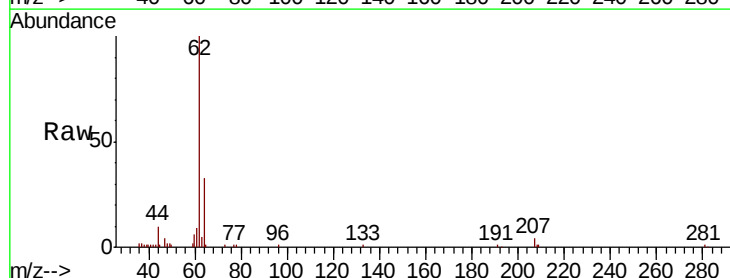
Acq: 22 Apr 2020 13:59

Tgt Ion: 62 Resp: 54903

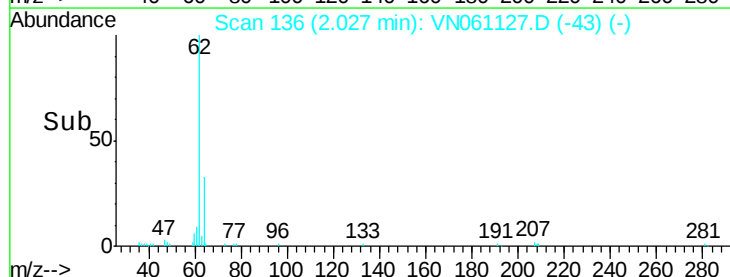
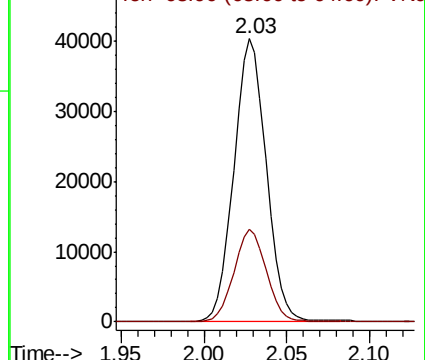
Ion Ratio Lower Upper

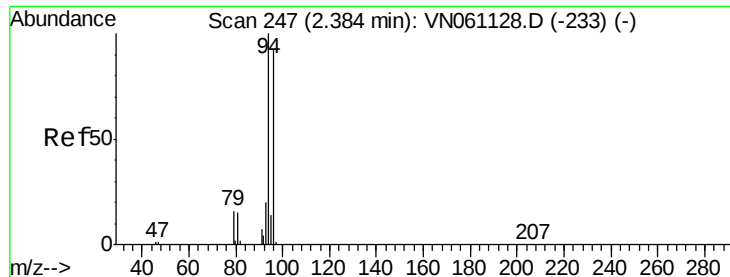
62 100

64 32.7 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 17.518 ug/l

RT: 2.39 min Scan# 248

Delta R.T. 0.00 min

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Acq: 22 Apr 2020 13:59

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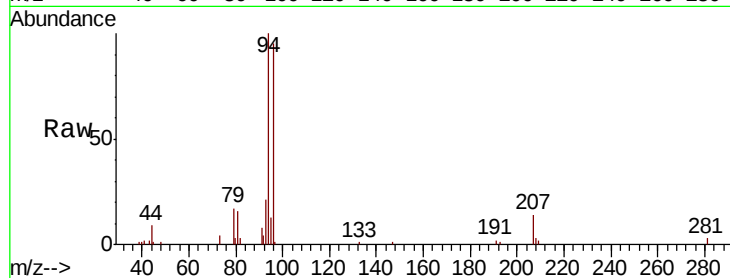
VSTDIC020

Tot Ion: 94 Resp: 25993

Ion Ratio Lower Upper

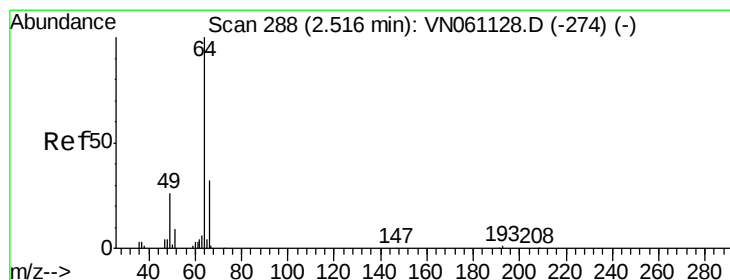
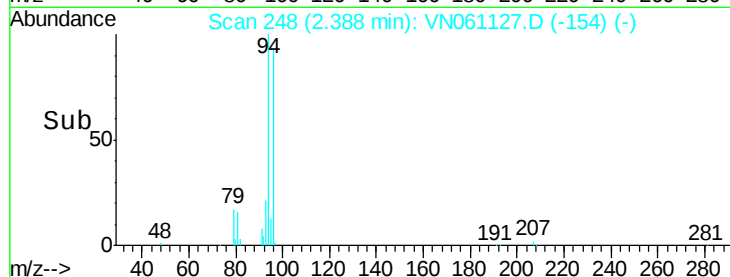
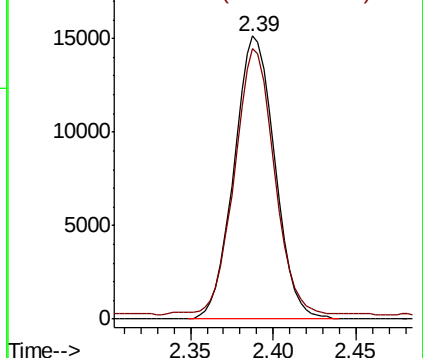
94 100

96 93.6 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.069 ug/l

RT: 2.52 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN061127.D

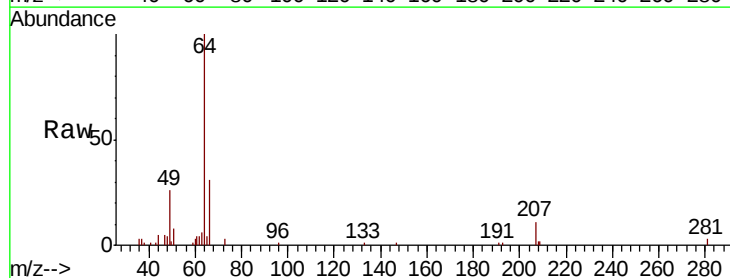
Acq: 22 Apr 2020 13:59

Tgt Ion: 64 Resp: 28715

Ion Ratio Lower Upper

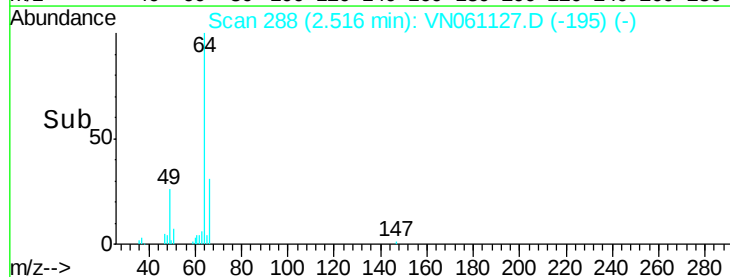
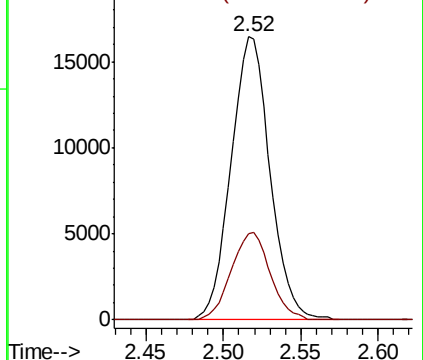
64 100

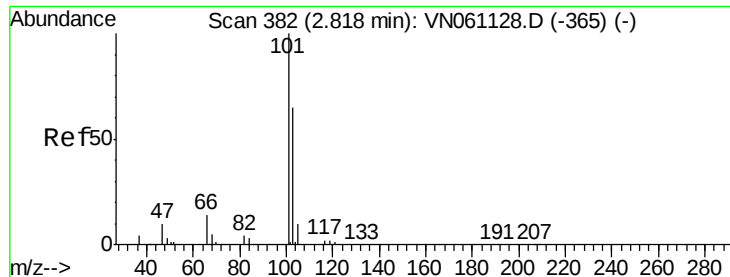
66 30.7 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



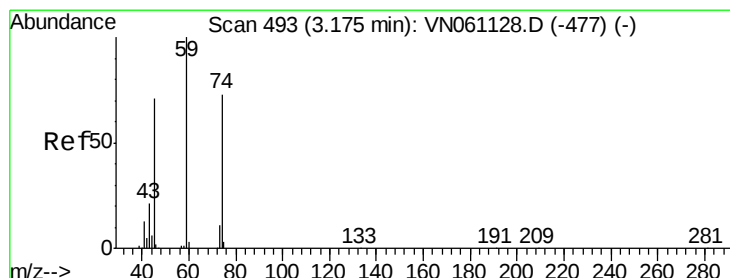
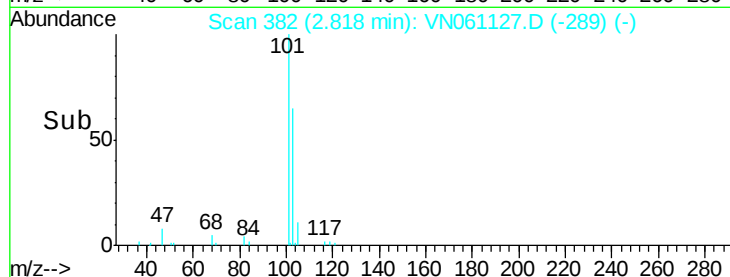
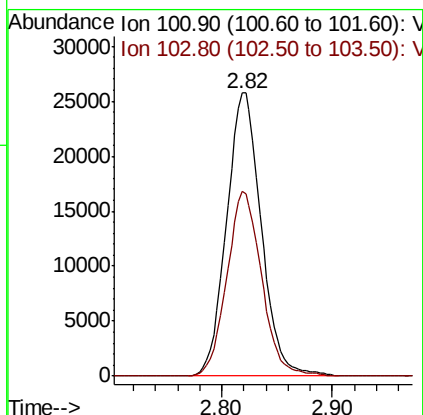
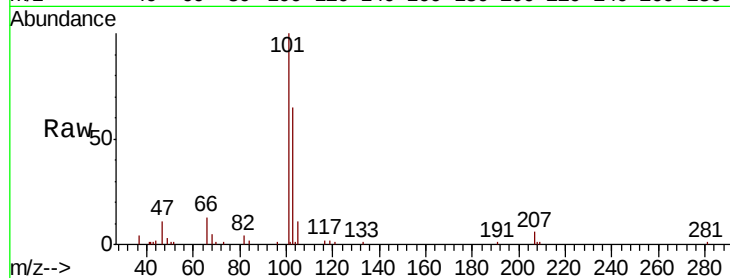


#7

Trichlorofluoromethane
 Concen: 15.662 ug/l
 RT: 2.82 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN061127.D
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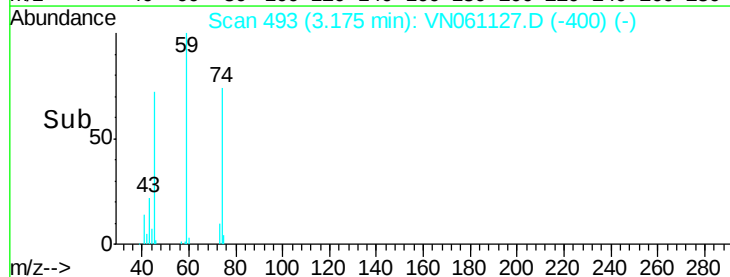
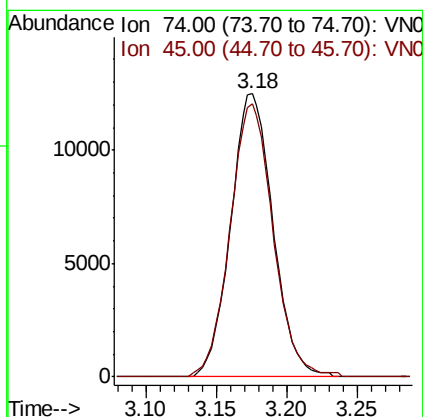
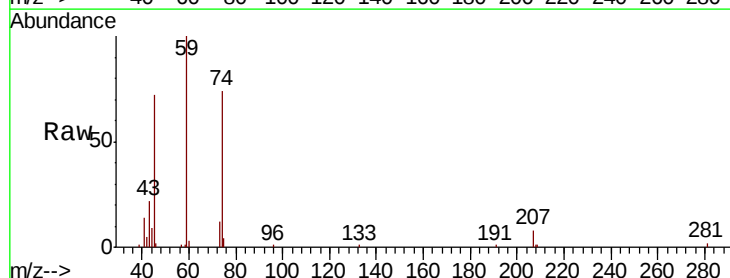
Tot Ion: 101 Resp: 56203
 Ion Ratio Lower Upper
 101 100
 103 65.2 52.1 78.1

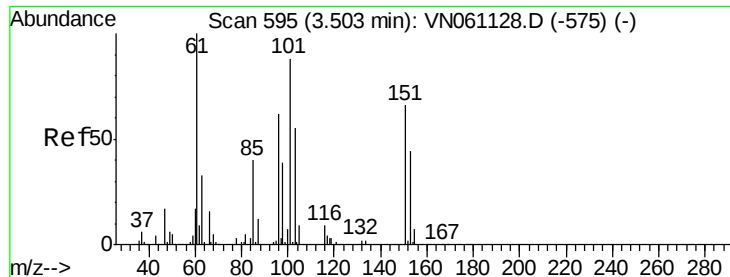


#8

Diethyl Ether
 Concen: 17.929 ug/l
 RT: 3.18 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VN061127.D
 Acq: 22 Apr 2020 13:59

Tgt Ion: 74 Resp: 26159
 Ion Ratio Lower Upper
 74 100
 45 97.9 49.1 147.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.092 ug/l

RT: 3.51 min Scan# 596

Delta R.T. 0.00 min

Lab File: VN061127.D

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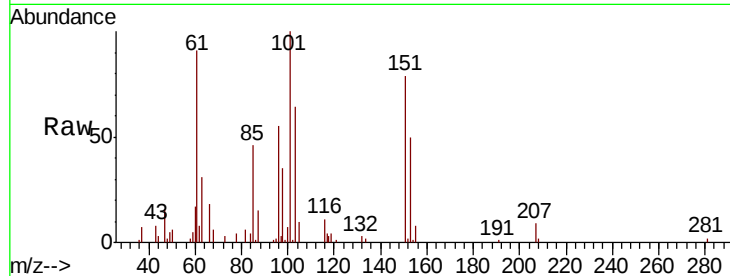
Tot Ion:101 Resp: 39316

Ion Ratio Lower Upper

101 100

85 43.8 36.2 54.4

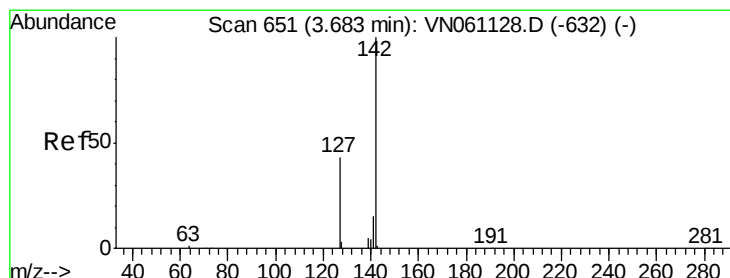
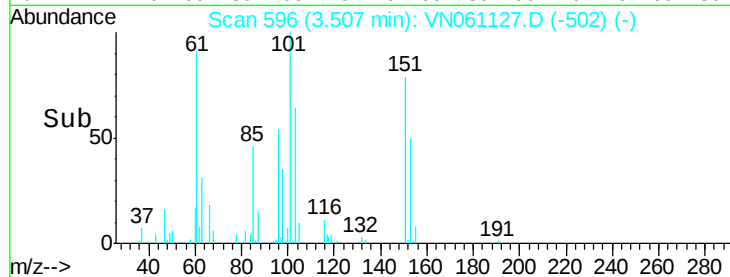
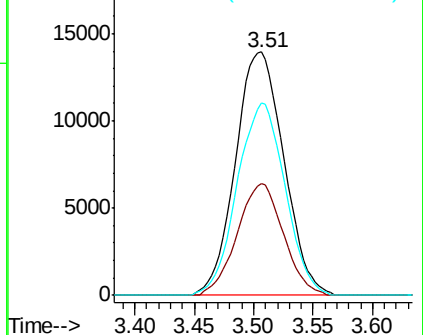
151 78.2 61.8 92.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 25.277 ug/l

RT: 3.68 min Scan# 651

Delta R.T. 0.00 min

Lab File: VN061127.D

Acq: 22 Apr 2020 13:59

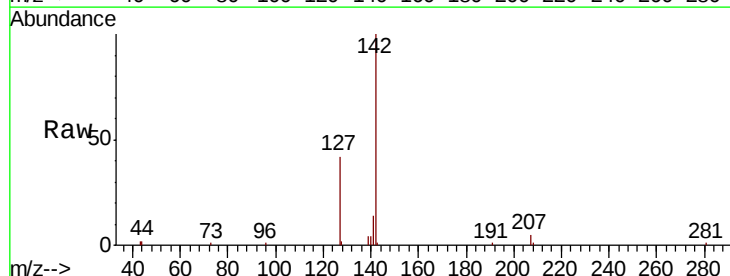
Tgt Ion:142 Resp: 53996

Ion Ratio Lower Upper

142 100

127 42.6 34.2 51.4

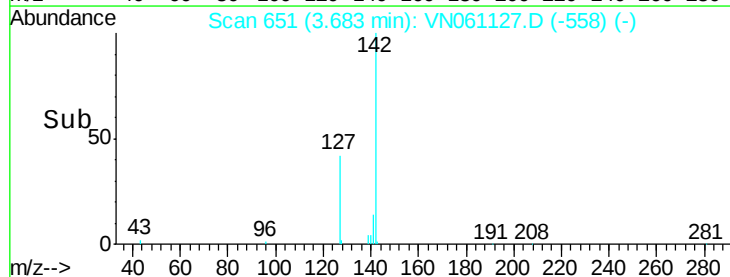
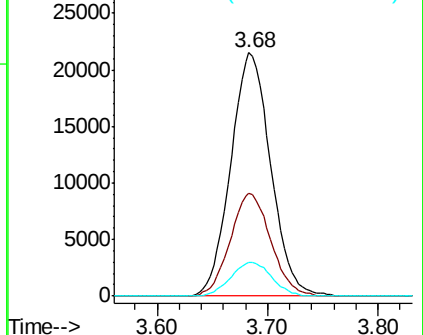
141 14.2 11.3 16.9

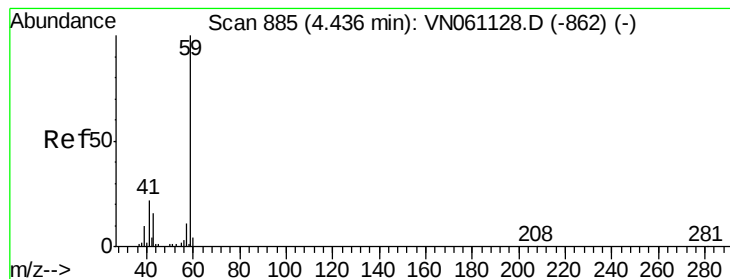


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



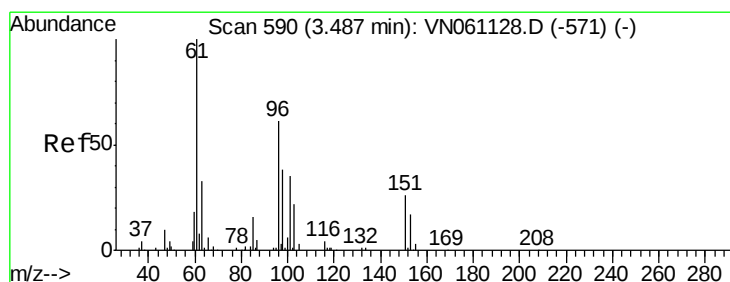
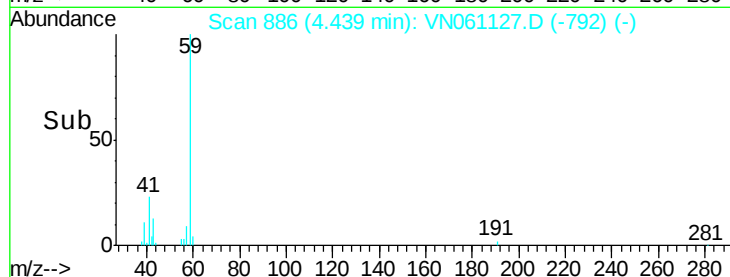
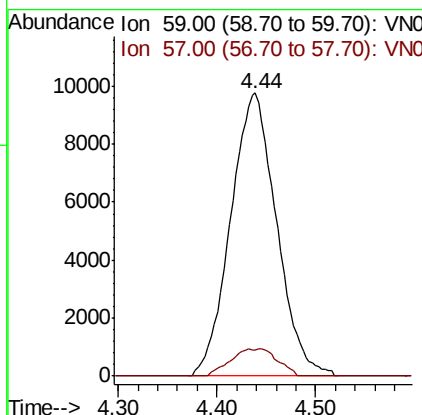
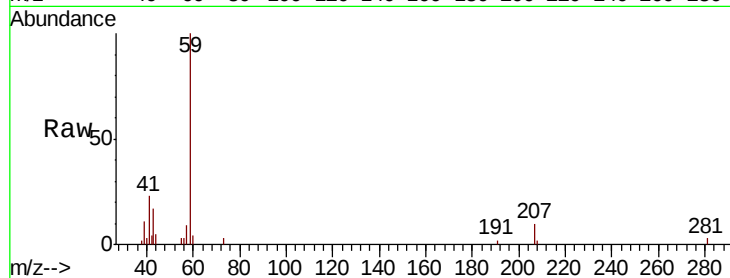


#11

Tert butyl alcohol
 Concen: 70.866 ug/l
 RT: 4.44 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VN061127.D
 Acq: 22 Apr 2020 13:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

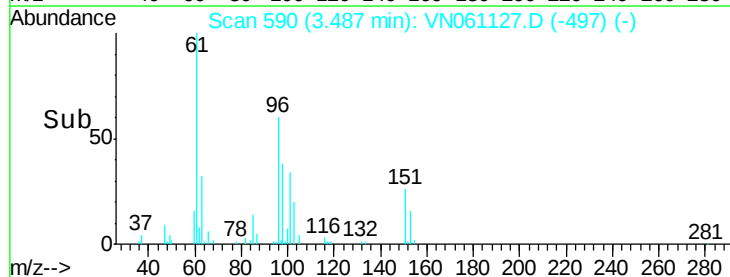
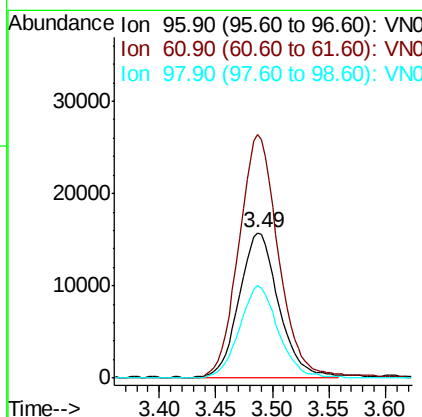
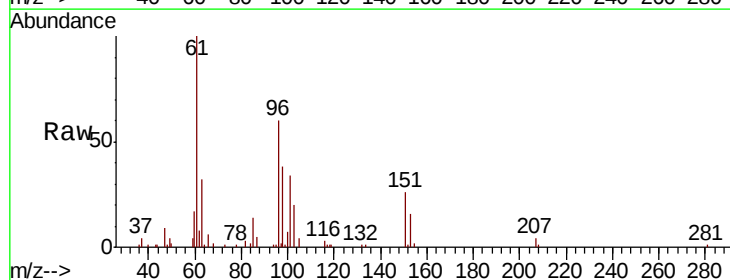
Tot Ion: 59 Resp: 31507
 Ion Ratio Lower Upper
 59 100
 57 5.5 8.2 12.4#

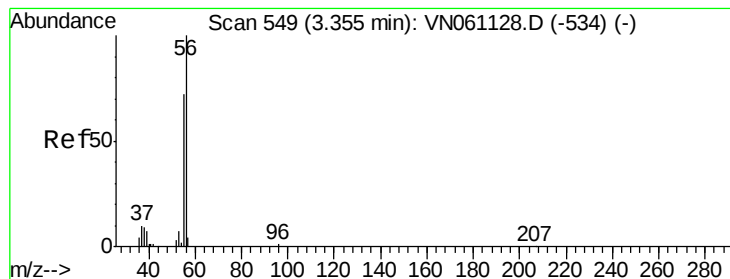


#12

1,1-Dichloroethene
 Concen: 17.602 ug/l
 RT: 3.49 min Scan# 590
 Delta R.T. 0.00 min
 Lab File: VN061127.D
 Acq: 22 Apr 2020 13:59

Tgt Ion: 96 Resp: 38588
 Ion Ratio Lower Upper
 96 100
 61 167.4 130.8 196.2
 98 63.2 49.4 74.2





#13

Acrolein

Concen: 61.030 ug/l

RT: 3.36 min Scan# 549

Delta R.T. 0.00 min

Lab File: VN061127.D

Acq: 22 Apr 2020 13:59

Instrument :

MSVOA_N

ClientSampleId :

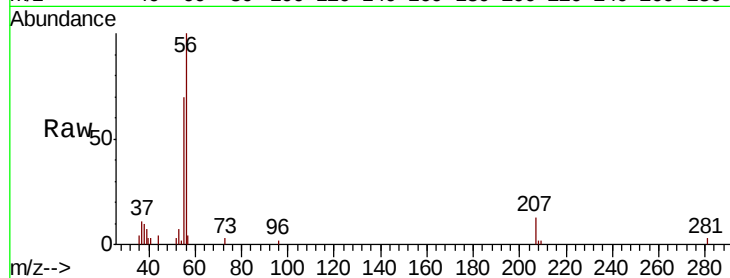
VSTDIC020

Tot Ion: 56 Resp: 22576

Ion Ratio Lower Upper

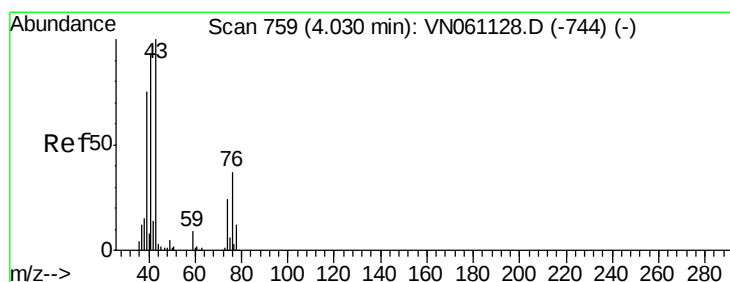
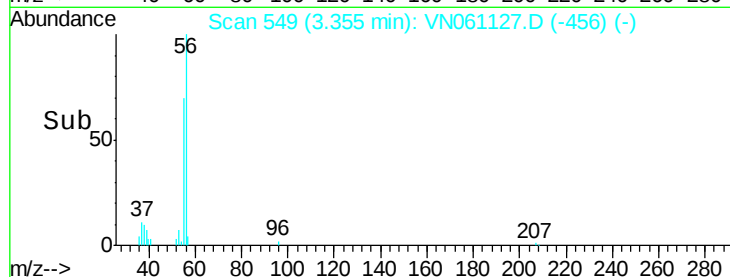
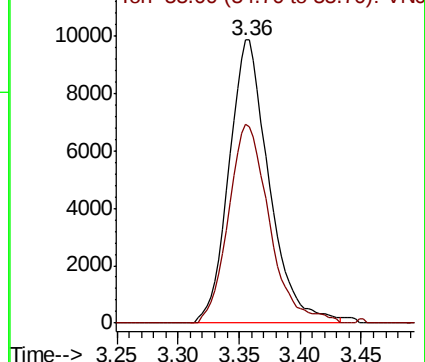
56 100

55 71.6 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 14.499 ug/l

RT: 4.03 min Scan# 759

Delta R.T. 0.00 min

Lab File: VN061127.D

Acq: 22 Apr 2020 13:59

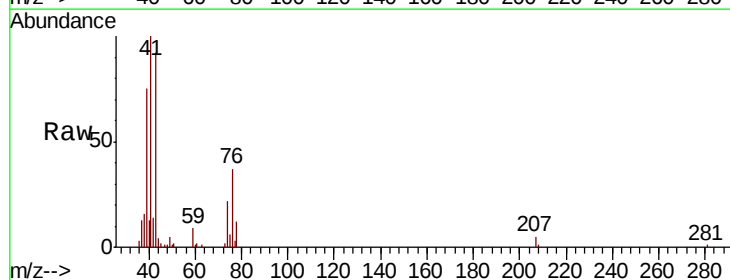
Tgt Ion: 41 Resp: 57934

Ion Ratio Lower Upper

41 100

39 77.9 61.0 91.4

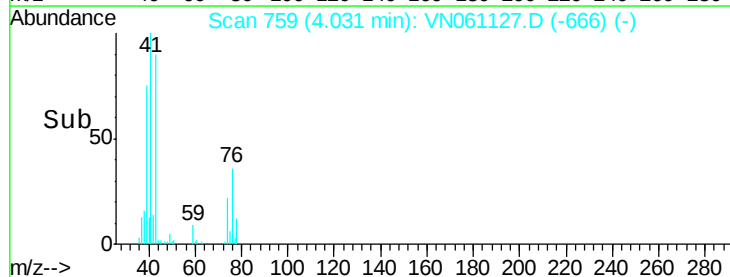
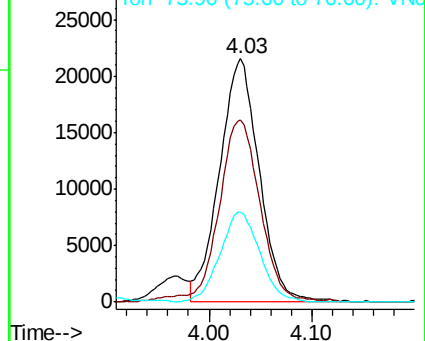
76 37.0 28.9 43.3

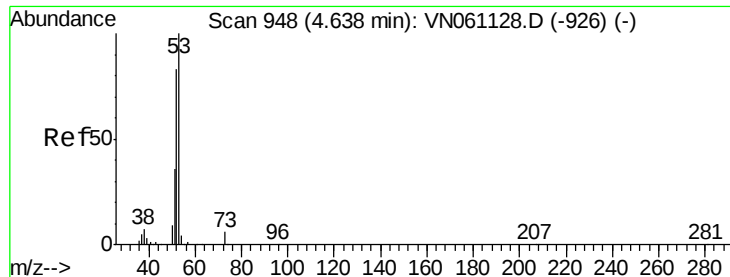


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

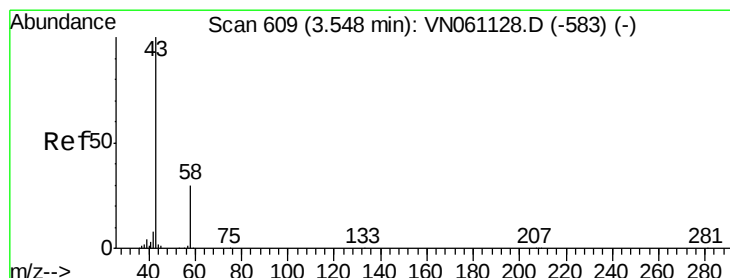
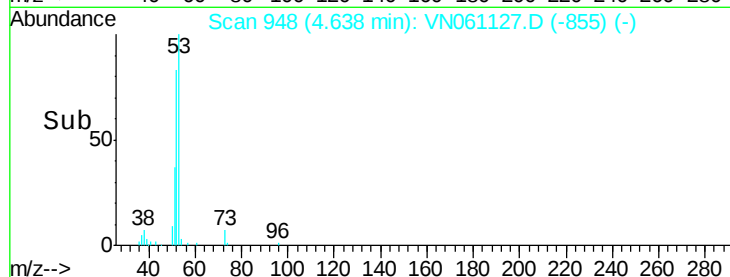
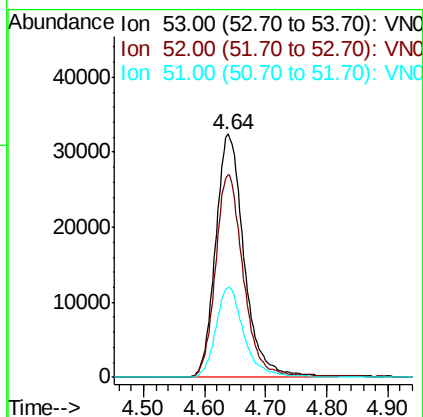
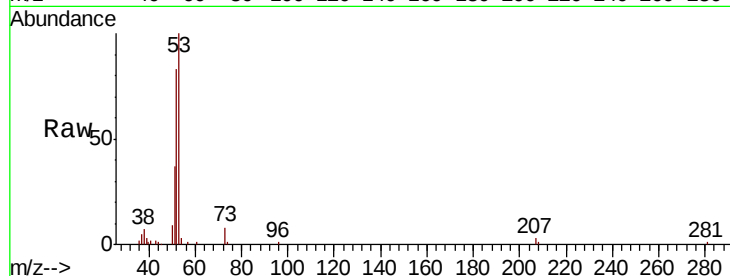




#15
 Acrylonitrile
 Concen: 86.028 ug/l
 RT: 4.64 min Scan# 948
 Delta R.T. 0.00 min
 Lab File: VN061127.D
 Acq: 22 Apr 2020 13:59

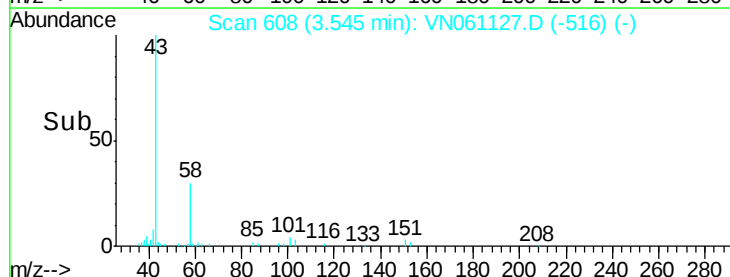
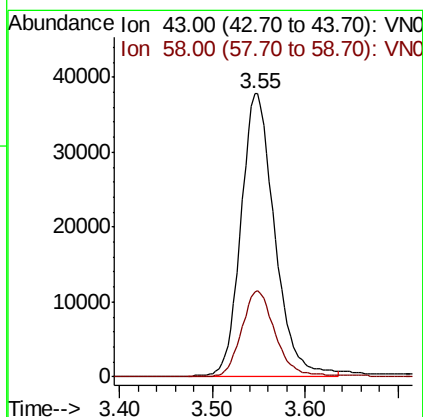
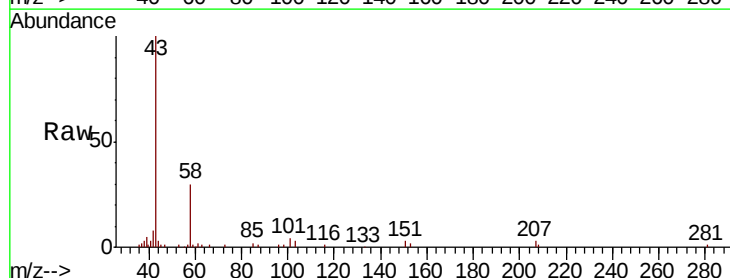
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

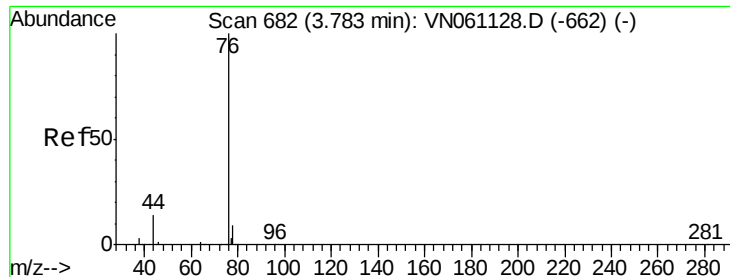
Tot Ion	53	Resp	105420
Ion Ratio	Lower	Upper	
53	100		
52	81.1	66.1	99.1
51	36.3	29.0	43.4



#16
 Acetone
 Concen: 86.790 ug/l
 RT: 3.55 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN061127.D
 Acq: 22 Apr 2020 13:59

Tgt Ion	43	Resp	95981
Ion Ratio	Lower	Upper	
43	100		
58	30.0	23.6	35.4





#17

Carbon Disulfide

Concen: 16.788 ug/l

RT: 3.78 min Scan# 682

Delta R.T. 0.00 min

Lab File: VN061127.D

Acq: 22 Apr 2020 13:59

Instrument :

MSVOA_N

ClientSampleId :

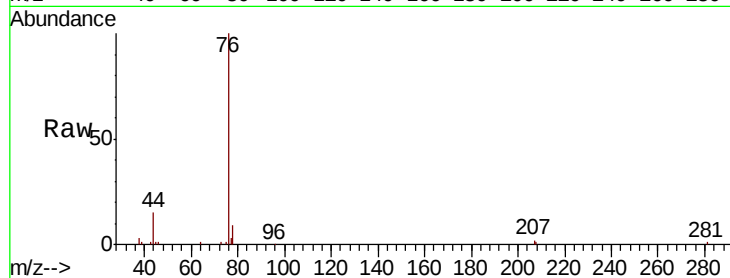
VSTDIC020

Tot Ion: 76 Resp: 115045

Ion Ratio Lower Upper

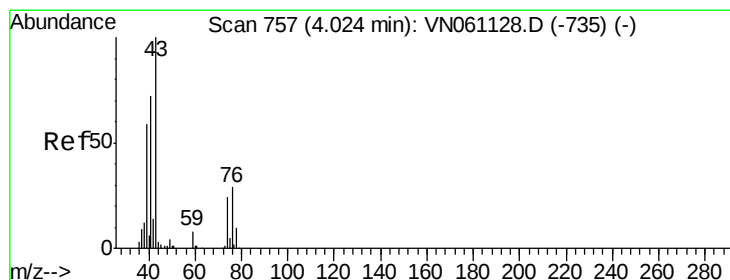
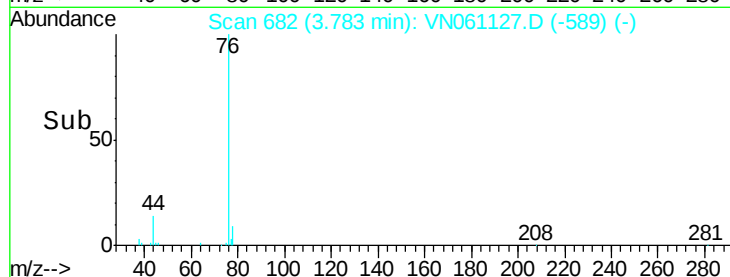
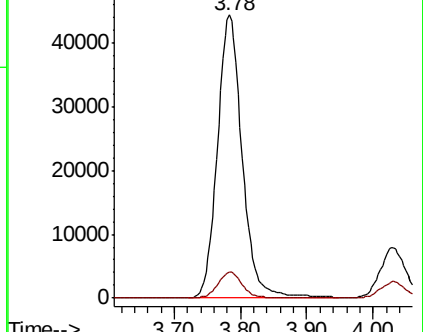
76 100

78 9.1 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN061127.D (-589) (-)

Ion 77.90 (77.60 to 78.60): VN061127.D (-589) (-)



#18

Methyl Acetate

Concen: 16.967 ug/l

RT: 4.02 min Scan# 756

Delta R.T. -0.00 min

Lab File: VN061127.D

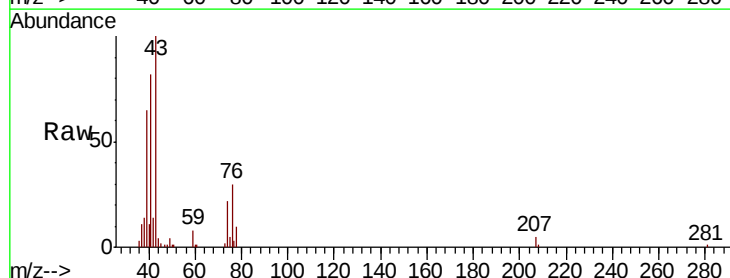
Acq: 22 Apr 2020 13:59

Tgt Ion: 43 Resp: 59583

Ion Ratio Lower Upper

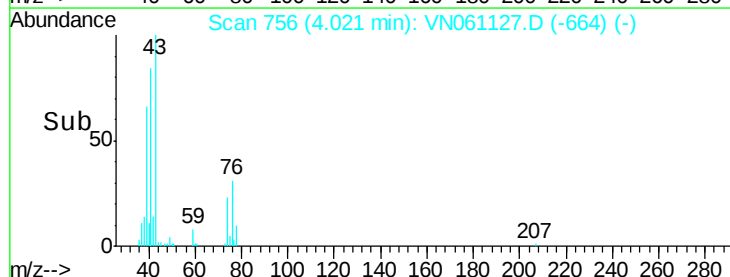
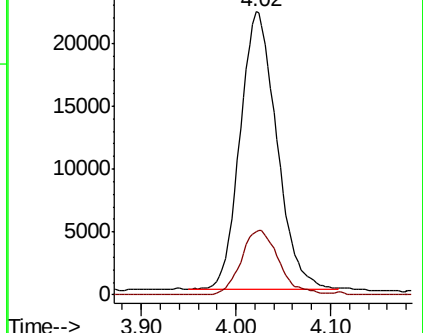
43 100

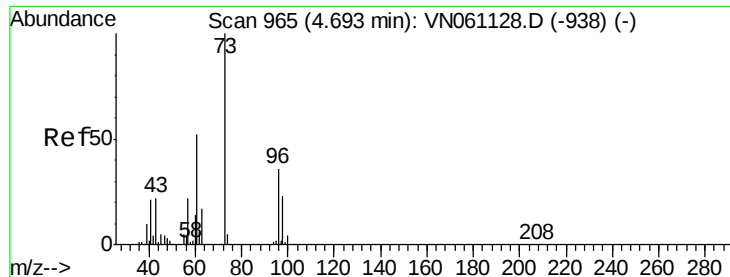
74 23.9 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VN061127.D (-664) (-)

Ion 74.00 (73.70 to 74.70): VN061127.D (-664) (-)



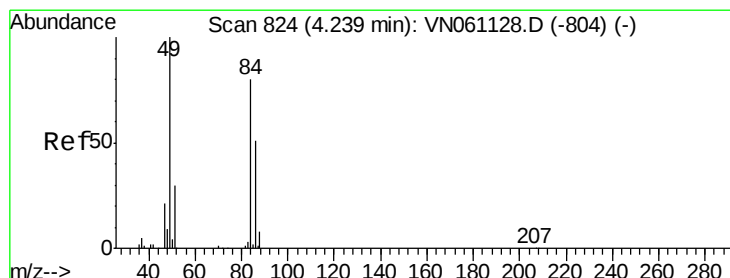
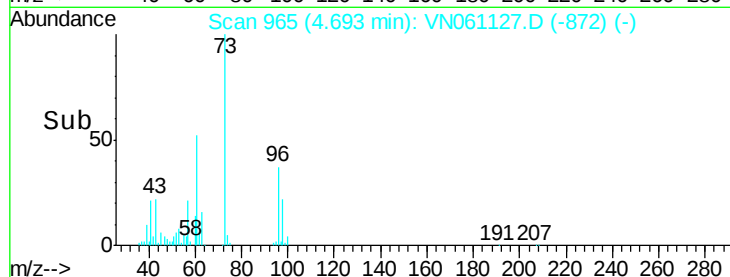
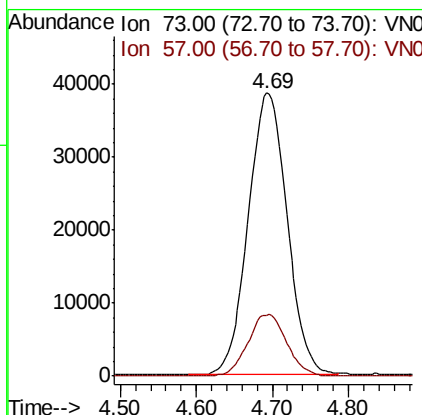
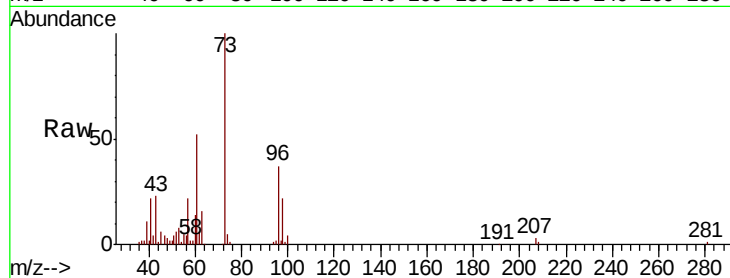


#19

Methyl tert-butyl Ether
 Concen: 17.871 ug/l
 RT: 4.69 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VN061127.D
 Acq: 22 Apr 2020 13:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

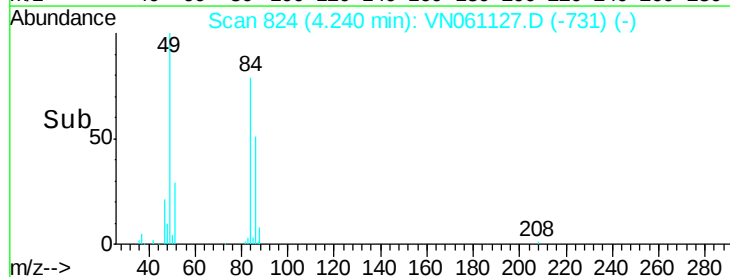
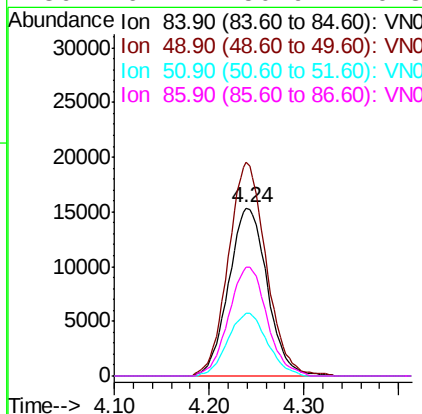
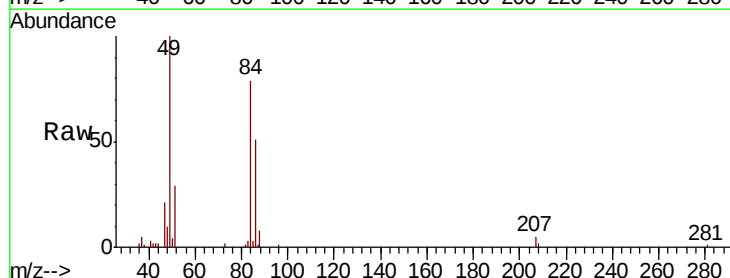
Tot Ion: 73 Resp: 137231
 Ion Ratio Lower Upper
 73 100
 57 21.7 17.8 26.8

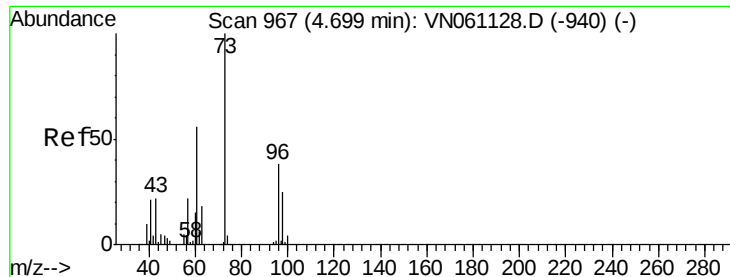


#20

Methylene Chloride
 Concen: 17.618 ug/l
 RT: 4.24 min Scan# 824
 Delta R.T. 0.00 min
 Lab File: VN061127.D
 Acq: 22 Apr 2020 13:59

Tgt Ion: 84 Resp: 43567
 Ion Ratio Lower Upper
 84 100
 49 127.4 99.8 149.6
 51 37.2 29.9 44.9
 86 64.7 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 18.628 ug/l

RT: 4.70 min Scan# 967

Delta R.T. 0.00 min

Lab File: VN061127.D

Acq: 22 Apr 2020 13:59

Instrument :

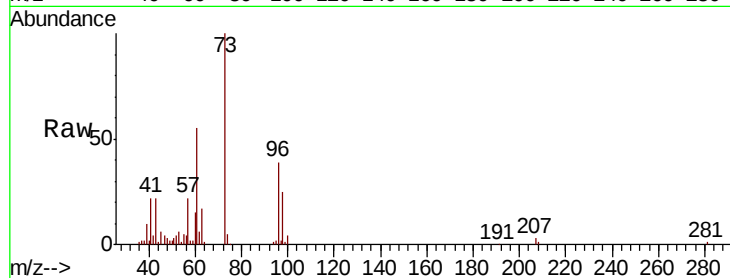
MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 44183

Ion	Ratio	Lower	Upper
96	100		
61	143.6	116.4	174.6
98	63.9	51.4	77.2

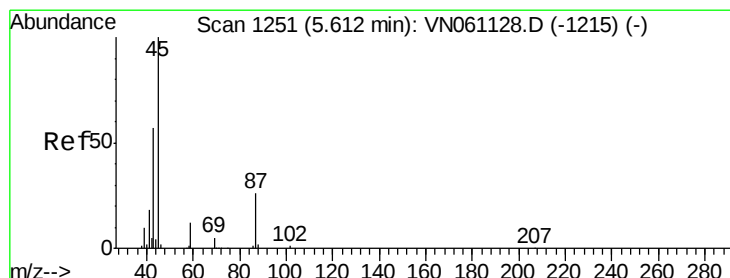
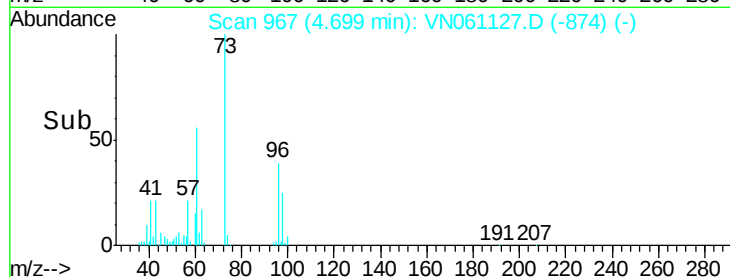
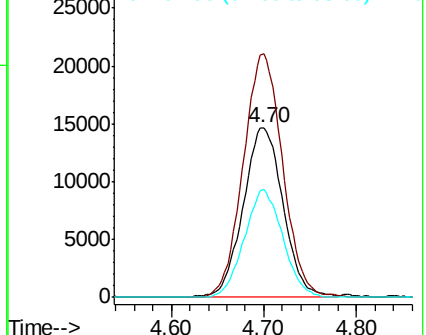


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 16.501 ug/l

RT: 5.61 min Scan# 1251

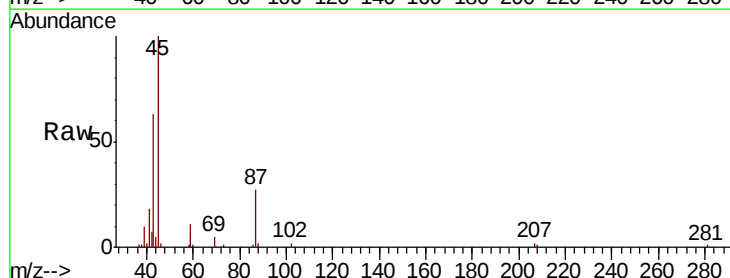
Delta R.T. 0.00 min

Lab File: VN061127.D

Acq: 22 Apr 2020 13:59

Tgt Ion: 45 Resp: 141100

Ion	Ratio	Lower	Upper
45	100		
43	60.6	48.4	72.6
87	27.3	21.4	32.0
59	11.5	9.4	14.2



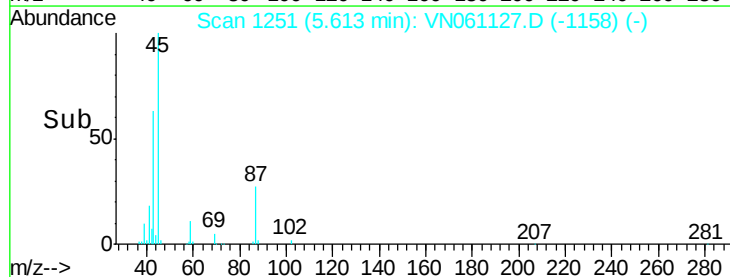
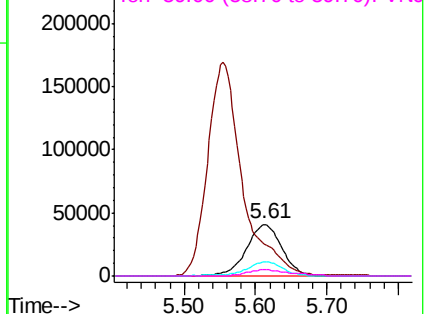
Abundance

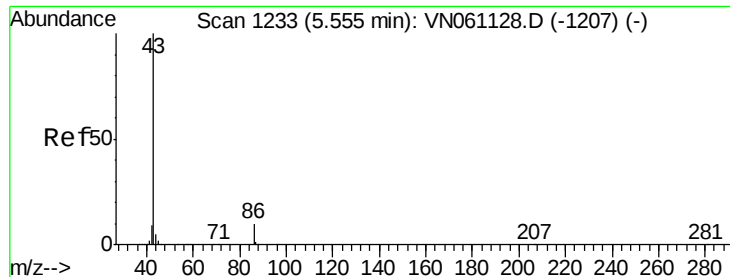
Ion 45.00 (44.70 to 45.70): VN0

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





#23

Vinyl Acetate

Concen: 85.270 ug/l

RT: 5.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VN061127.D

Acq: 22 Apr 2020 13:59

Instrument :

MSVOA_N

ClientSampleId :

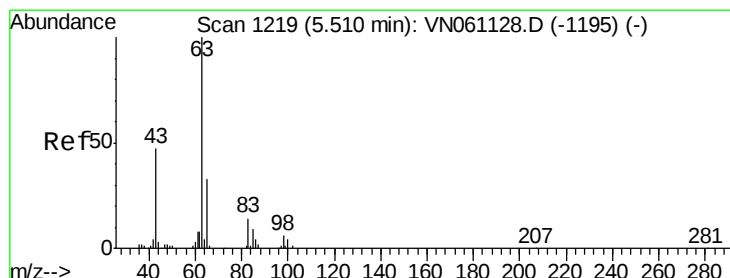
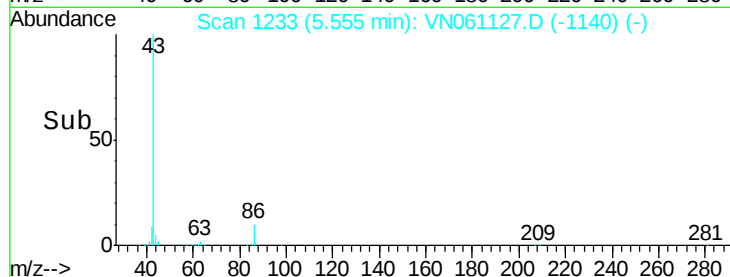
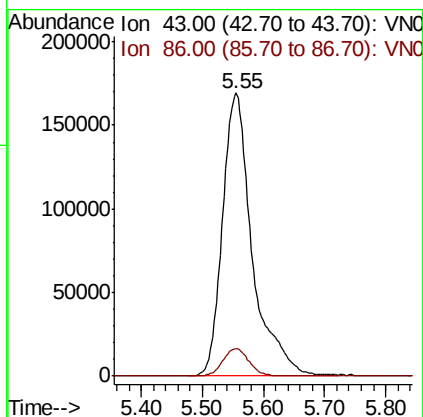
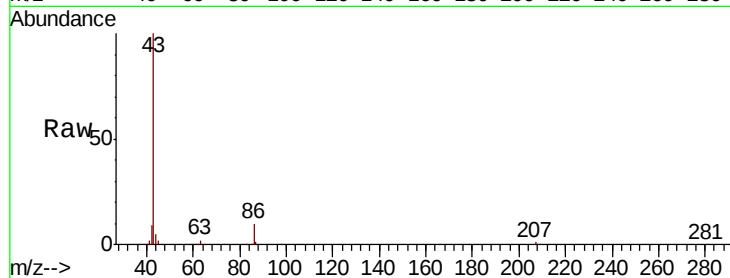
VSTDIC020

Tot Ion: 43 Resp: 574761

Ion Ratio Lower Upper

43 100

86 9.7 7.8 11.8



#24

1,1-Dichloroethane

Concen: 17.070 ug/l

RT: 5.51 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VN061127.D

Acq: 22 Apr 2020 13:59

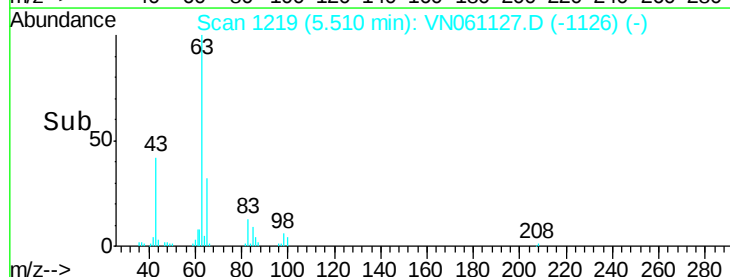
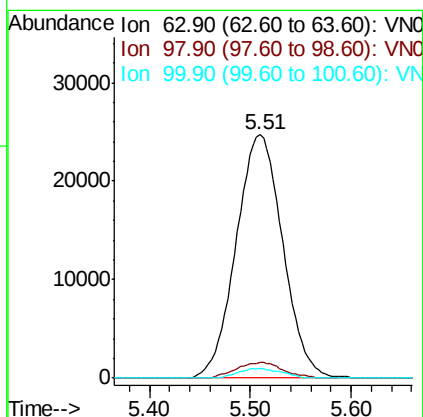
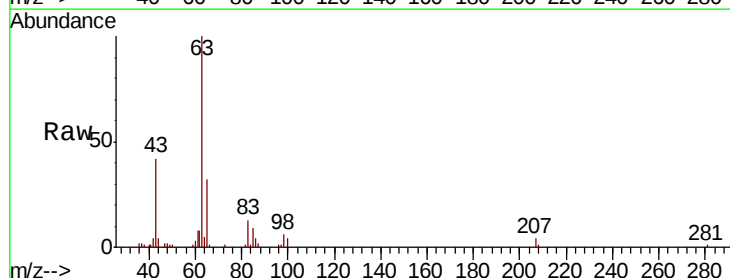
Tgt Ion: 63 Resp: 79284

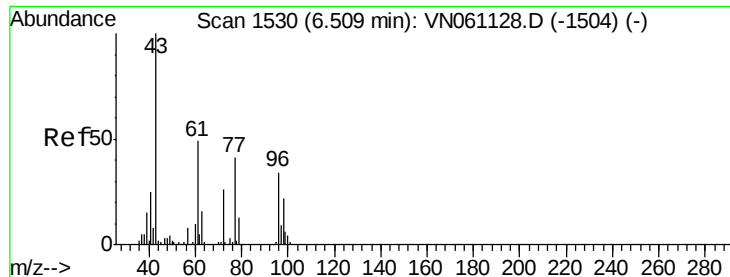
Ion Ratio Lower Upper

63 100

98 6.3 3.3 9.8

100 3.8 2.0 6.0

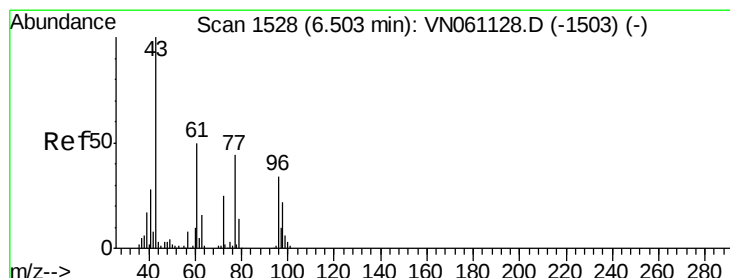
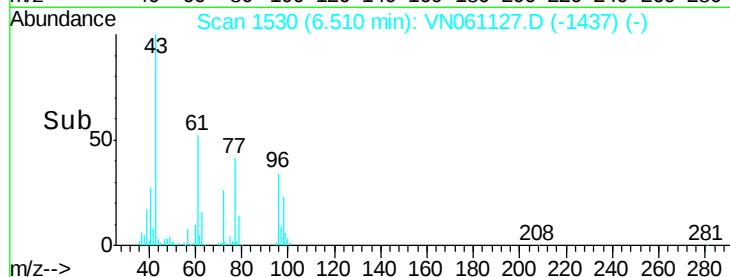
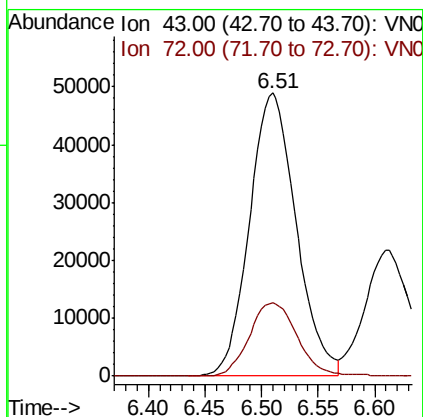
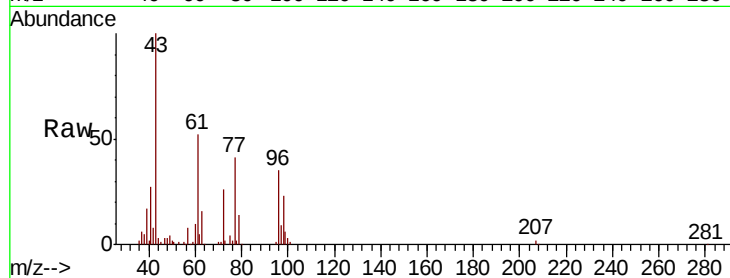




#25
 2-Butanone
 Concen: 81.981 ug/l
 RT: 6.51 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VN061127.D
 Acq: 22 Apr 2020 13:59

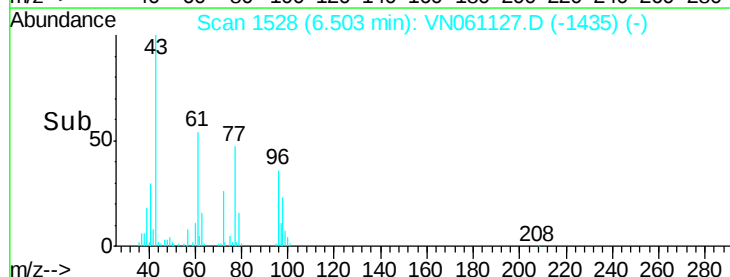
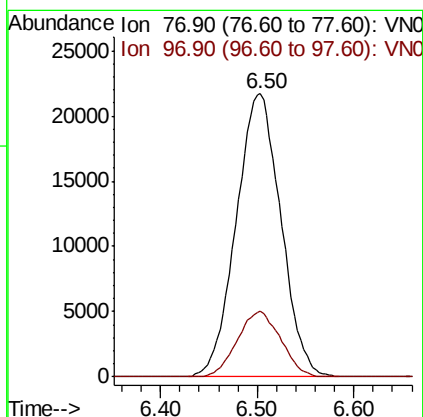
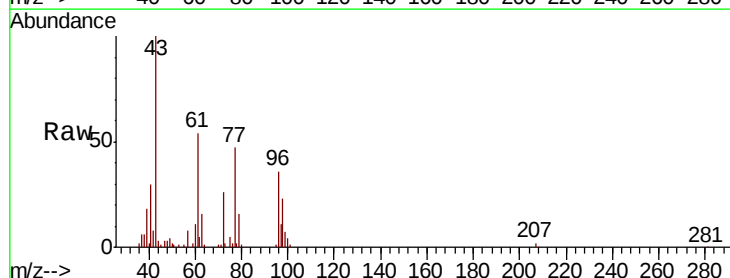
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

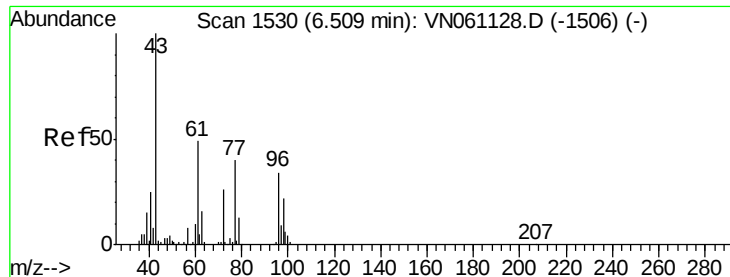
Tot Ion: 43 Resp: 140408
 Ion Ratio Lower Upper
 43 100
 72 25.9 20.8 31.2



#26
 2,2-Dichloropropane
 Concen: 17.858 ug/l
 RT: 6.50 min Scan# 1528
 Delta R.T. 0.00 min
 Lab File: VN061127.D
 Acq: 22 Apr 2020 13:59

Tgt Ion: 77 Resp: 69567
 Ion Ratio Lower Upper
 77 100
 97 22.4 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 18.517 ug/l

RT: 6.51 min Scan# 1529

Delta R.T. -0.00 min

Lab File: VN061127.D

Acq: 22 Apr 2020 13:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

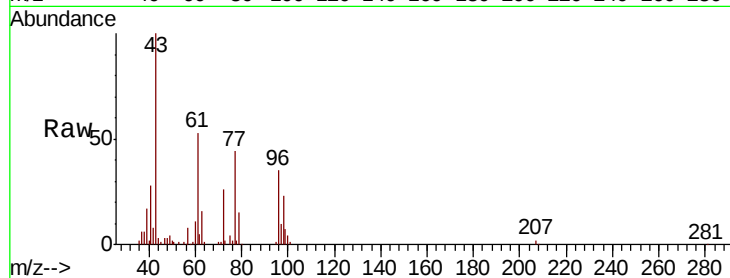
Tot Ion: 96 Resp: 50277

Ion Ratio Lower Upper

96 100

61 146.3 0.0 300.4

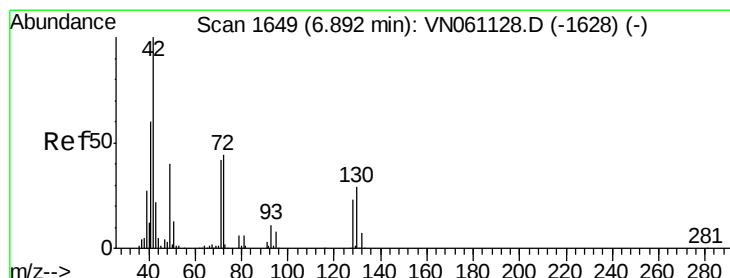
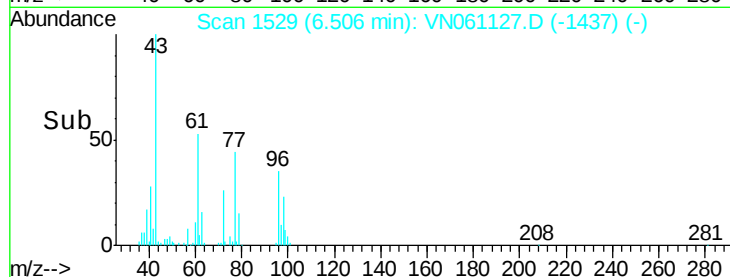
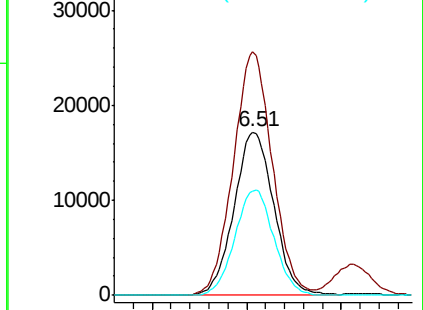
98 63.1 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VN061127.D (-1437) (-)

Ion 60.90 (60.60 to 61.60): VN061127.D (-1437) (-)

Ion 97.90 (97.60 to 98.60): VN061127.D (-1437) (-)



#28

Bromochloromethane

Concen: 15.967 ug/l

RT: 6.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VN061127.D

Acq: 22 Apr 2020 13:59

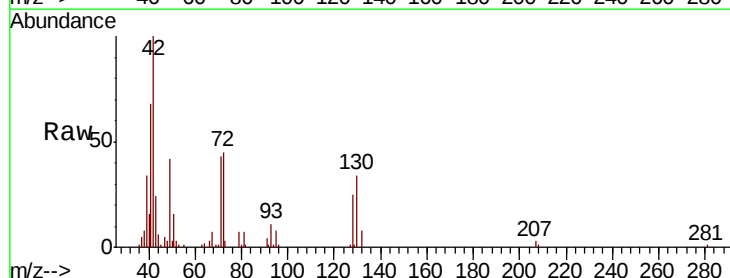
Tgt Ion: 49 Resp: 33515

Ion Ratio Lower Upper

49 100

129 1.5 0.0 2.2

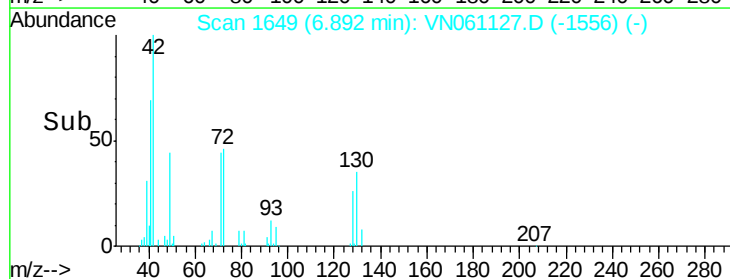
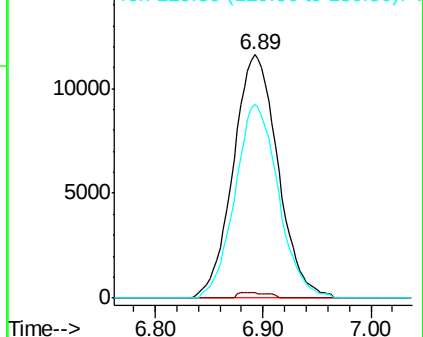
130 77.1 59.7 89.5

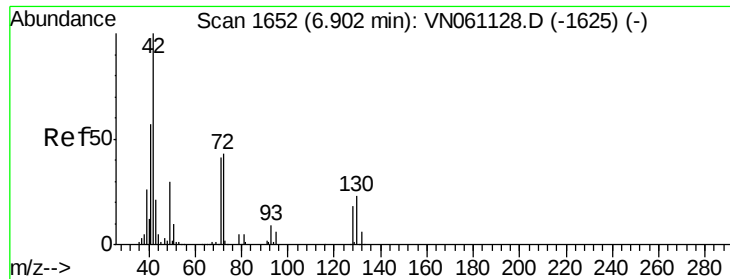


Abundance Ion 48.90 (48.60 to 49.60): VN061127.D (-1556) (-)

Ion 128.80 (128.50 to 129.50): VN061127.D (-1556) (-)

Ion 129.80 (129.50 to 130.50): VN061127.D (-1556) (-)

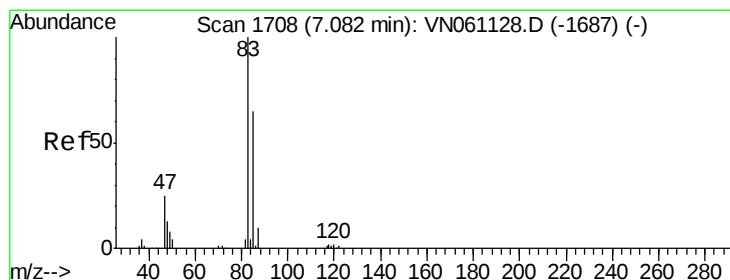
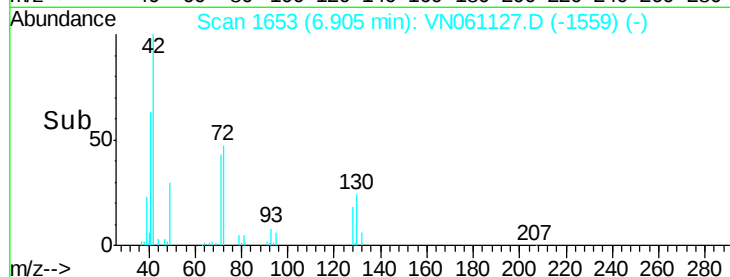
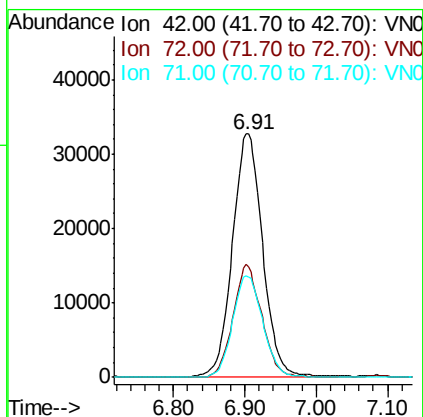
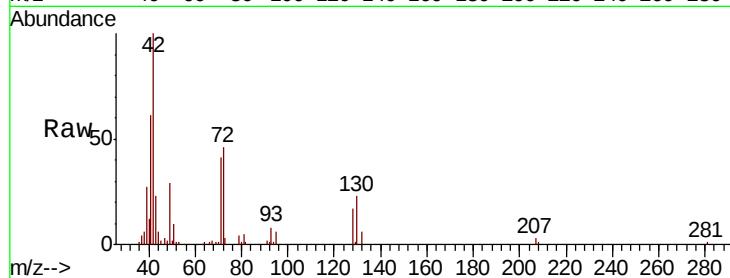




#29
Tetrahydrofuran
Concen: 83.134 ug/l
RT: 6.91 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VN061127.D
Acq: 22 Apr 2020 13:59

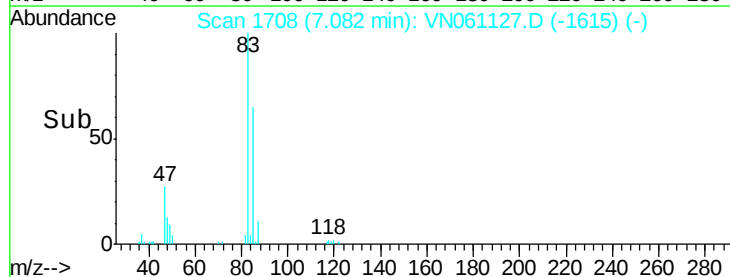
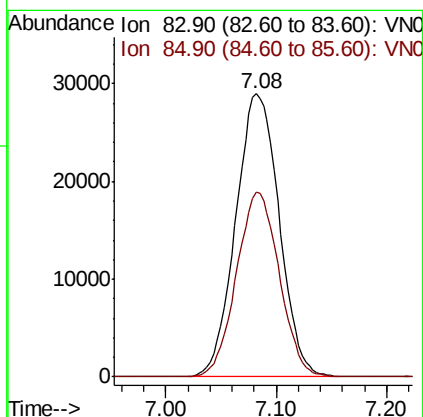
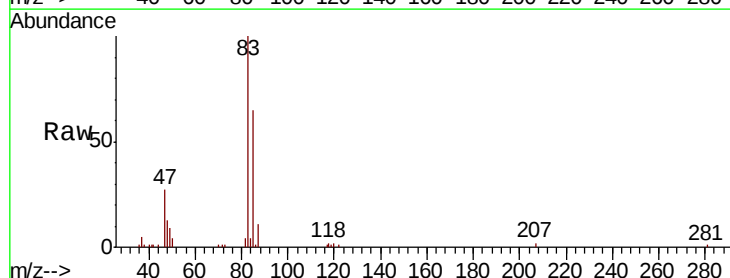
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

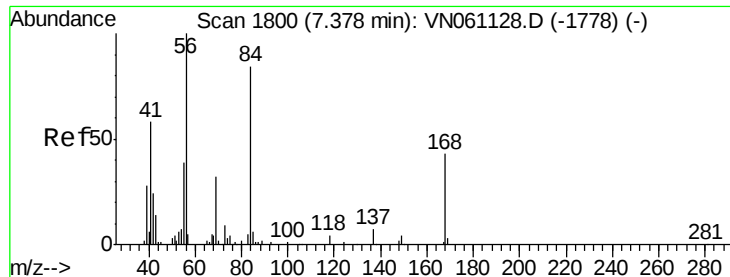
Tot Ion: 42 Resp: 96934
Ion Ratio Lower Upper
42 100
72 43.7 35.1 52.7
71 41.4 33.0 49.6



#30
Chloroform
Concen: 18.059 ug/l
RT: 7.08 min Scan# 1708
Delta R.T. 0.00 min
Lab File: VN061127.D
Acq: 22 Apr 2020 13:59

Tgt Ion: 83 Resp: 79172
Ion Ratio Lower Upper
83 100
85 65.5 52.2 78.4

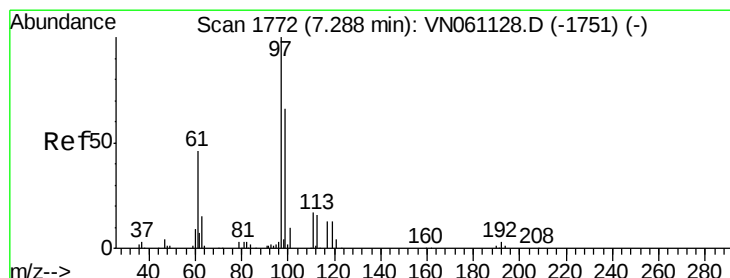
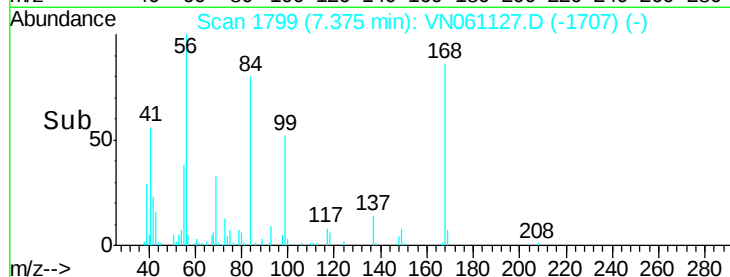
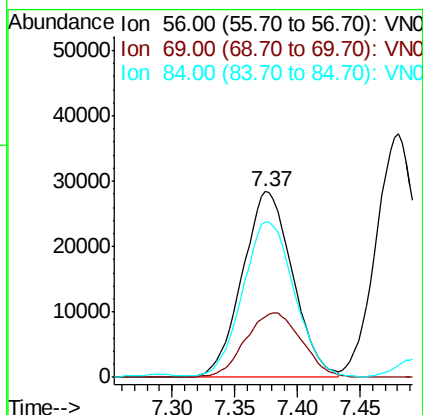
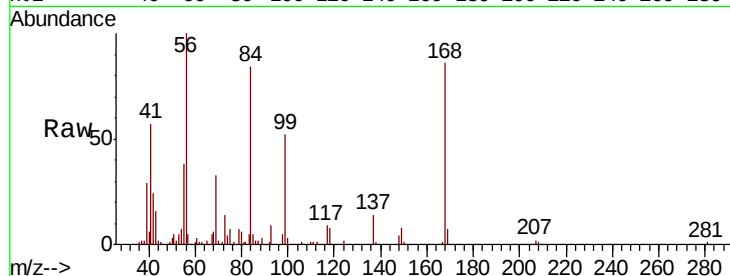




#31
Cyclohexane
Concen: 16.796 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN061127.D
Acq: 22 Apr 2020 13:59

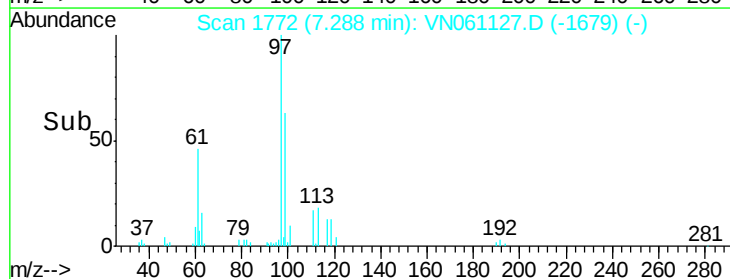
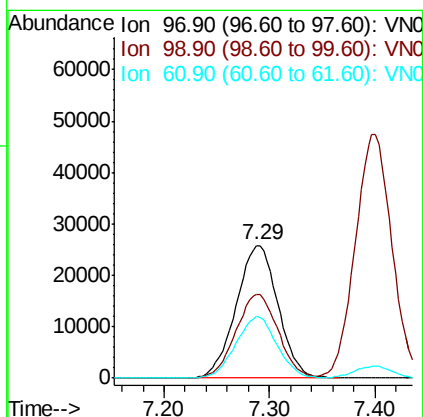
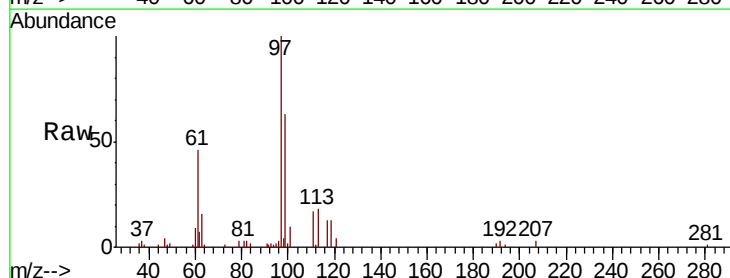
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

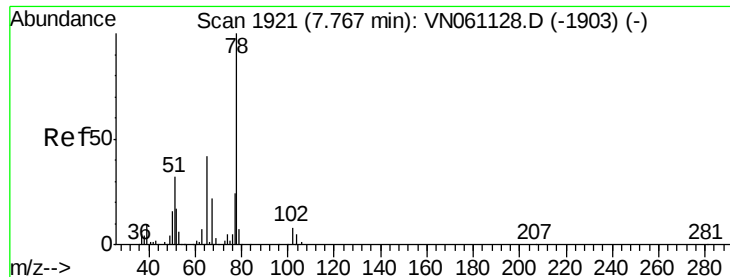
Tot Ion: 56 Resp: 79512
Ion Ratio Lower Upper
56 100
69 32.7 25.9 38.9
84 82.9 67.4 101.0



#32
1,1,1-Trichloroethane
Concen: 18.669 ug/l
RT: 7.29 min Scan# 1772
Delta R.T. 0.00 min
Lab File: VN061127.D
Acq: 22 Apr 2020 13:59

Tgt Ion: 97 Resp: 71005
Ion Ratio Lower Upper
97 100
99 63.6 52.0 78.0
61 45.9 35.9 53.9

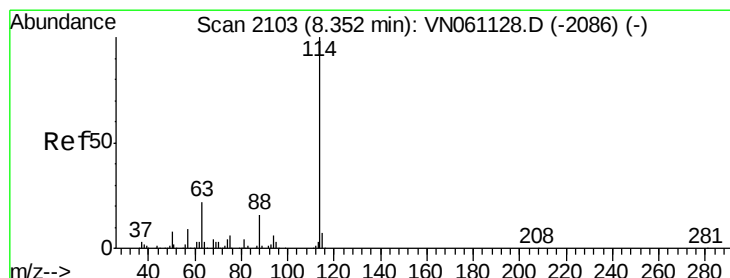
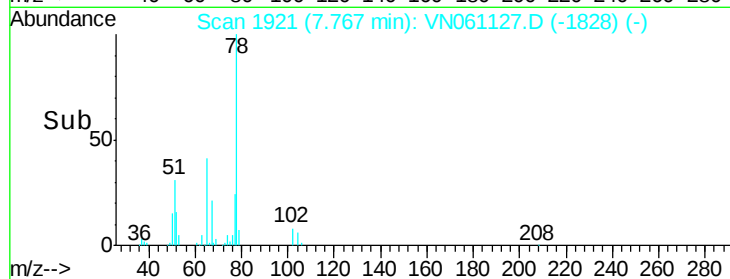
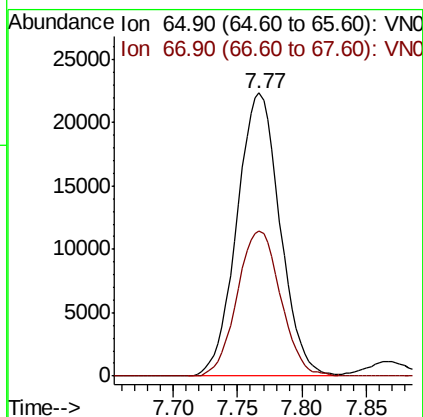
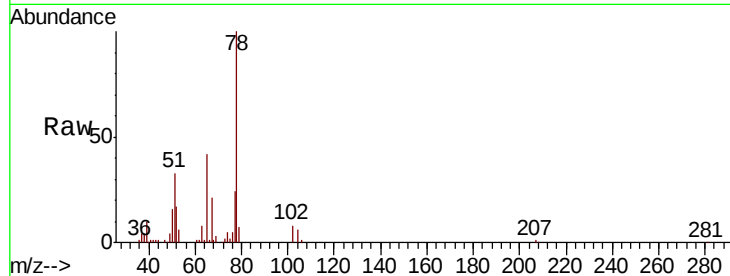




#33
 1,2-Dichloroethane-d4
 Concen: 19.729 ug/l
 RT: 7.77 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VN061127.D
 Acq: 22 Apr 2020 13:59

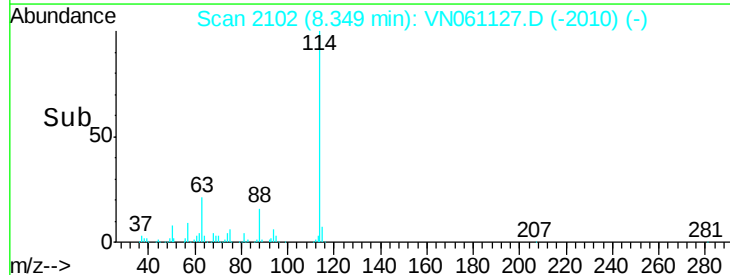
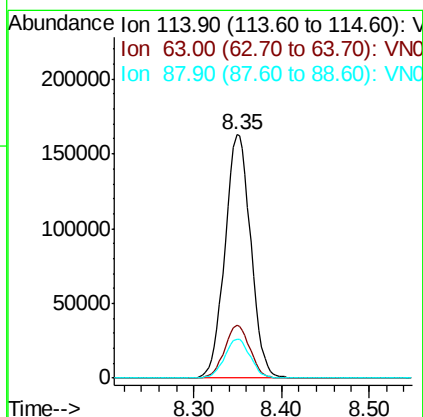
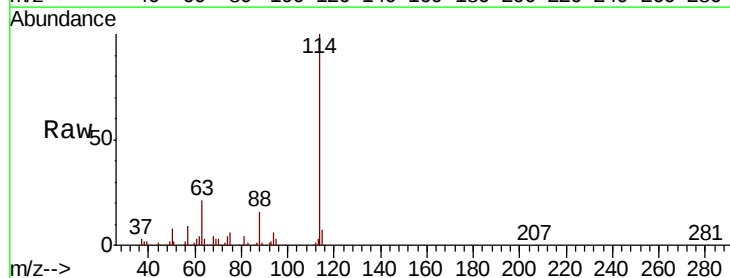
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

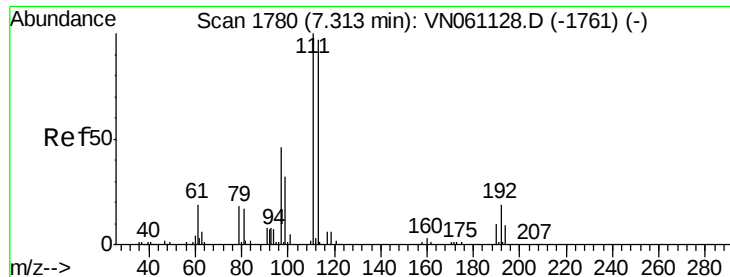
Tot Ion: 65 Resp: 52007
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.35 min Scan# 2102
 Delta R.T. -0.00 min
 Lab File: VN061127.D
 Acq: 22 Apr 2020 13:59

Tgt Ion: 114 Resp: 333100
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.2
 88 16.0 0.0 32.4

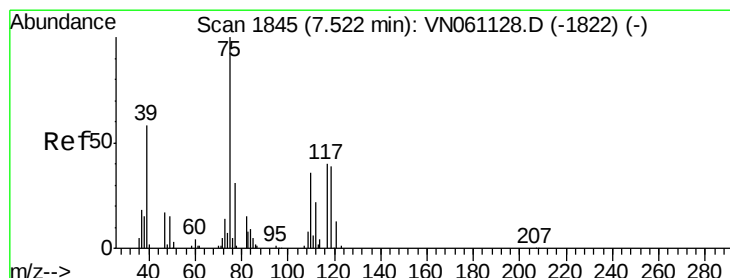
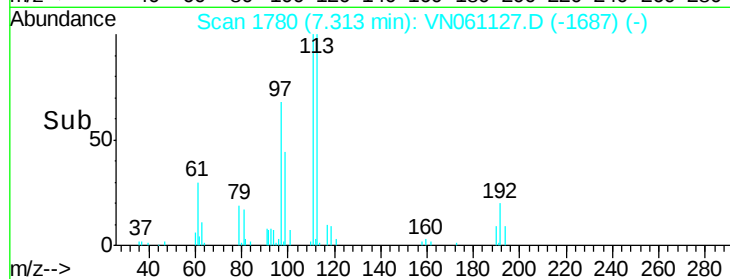
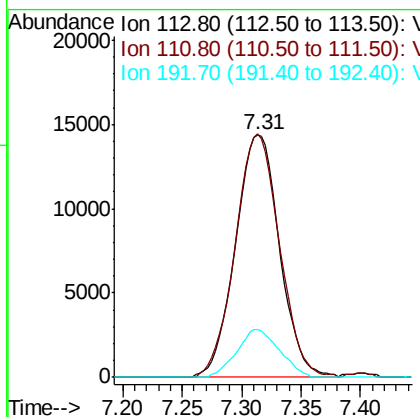
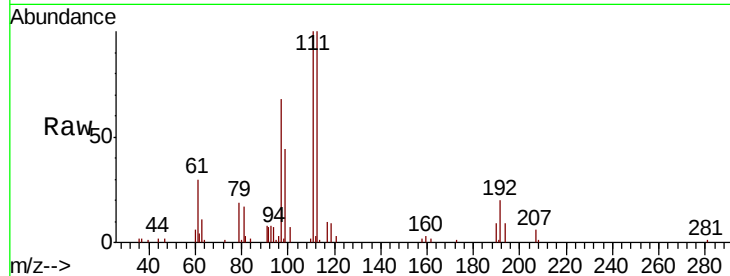




#35
 Dibromofluoromethane
 Concen: 18.954 ug/l
 RT: 7.31 min Scan# 1780
 Delta R.T. 0.00 min
 Lab File: VN061127.D
 Acq: 22 Apr 2020 13:59

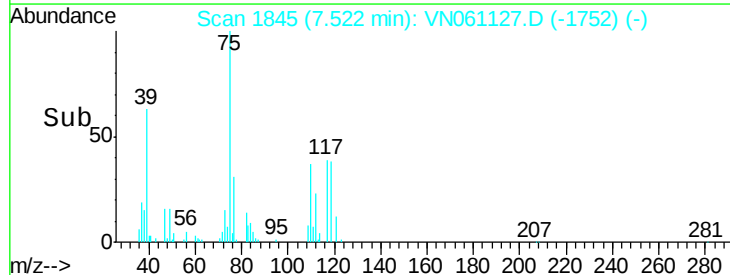
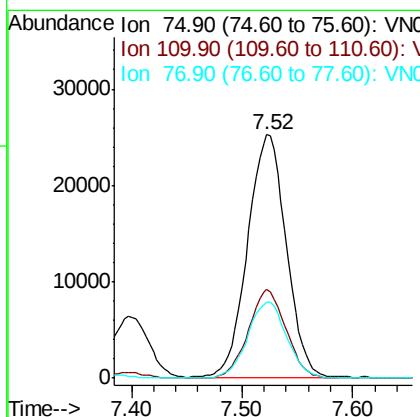
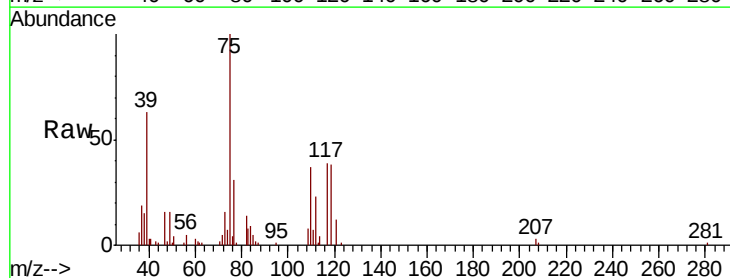
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

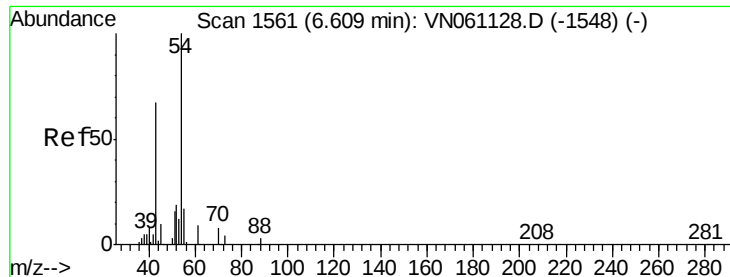
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.7	83.0	124.6
192	19.2	15.8	23.6



#36
 1,1-Dichloropropene
 Concen: 18.103 ug/l
 RT: 7.52 min Scan# 1845
 Delta R.T. 0.00 min
 Lab File: VN061127.D
 Acq: 22 Apr 2020 13:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.7	53.1
77	31.2	24.8	37.2

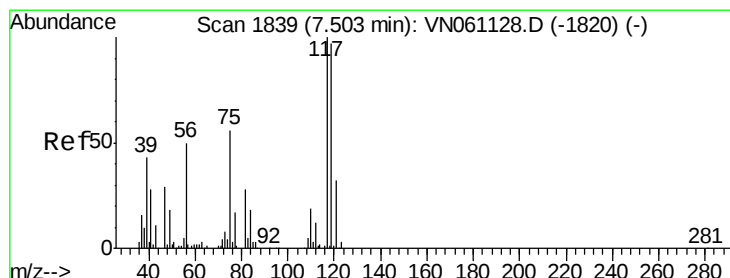
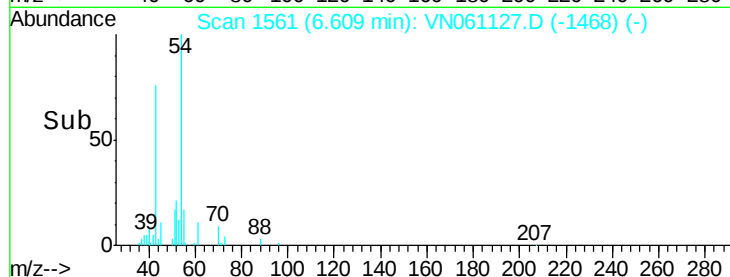
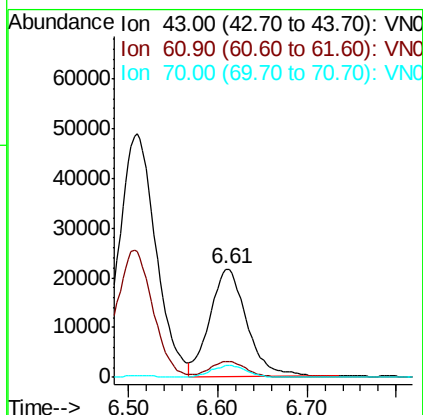
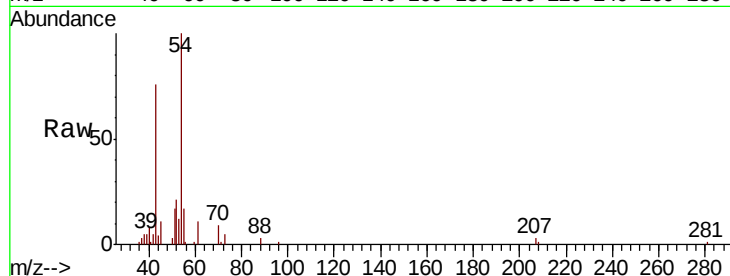




#37
Ethyl Acetate
Concen: 16.970 ug/l
RT: 6.61 min Scan# 1561
Delta R.T. 0.00 min
Lab File: VN061127.D
Acq: 22 Apr 2020 13:59

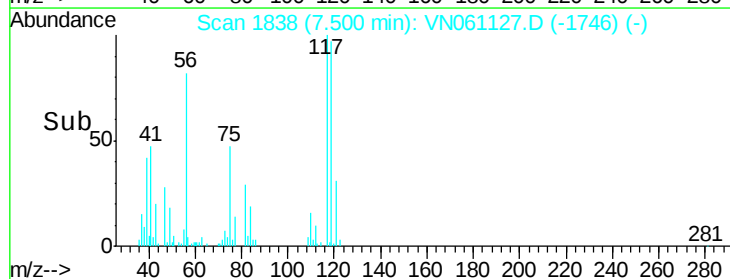
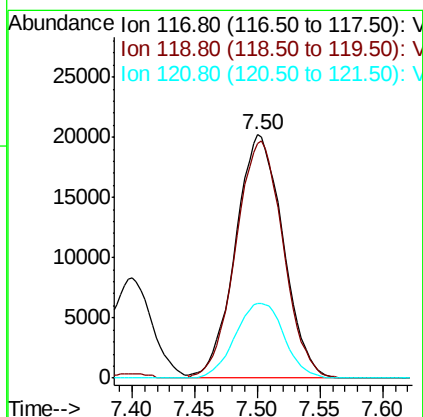
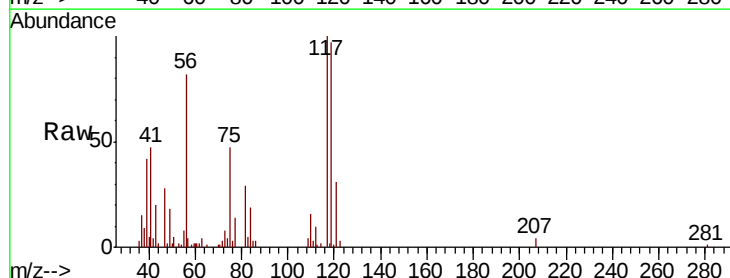
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

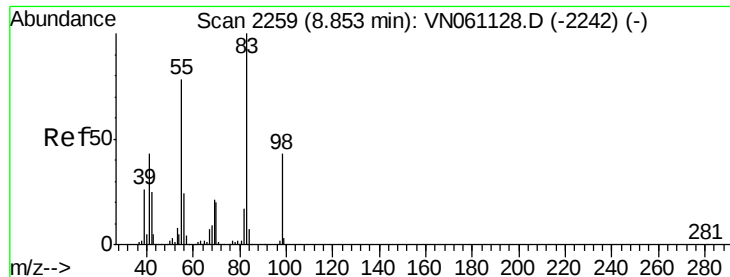
Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.4	17.0
70	10.4	8.2	12.4



#38
Carbon Tetrachloride
Concen: 18.681 ug/l
RT: 7.50 min Scan# 1838
Delta R.T. -0.00 min
Lab File: VN061127.D
Acq: 22 Apr 2020 13:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.9	115.3
121	30.5	25.0	37.6

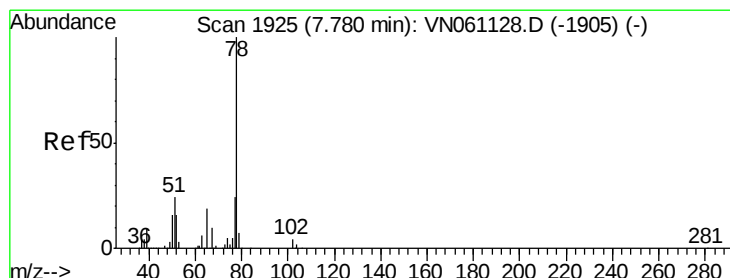
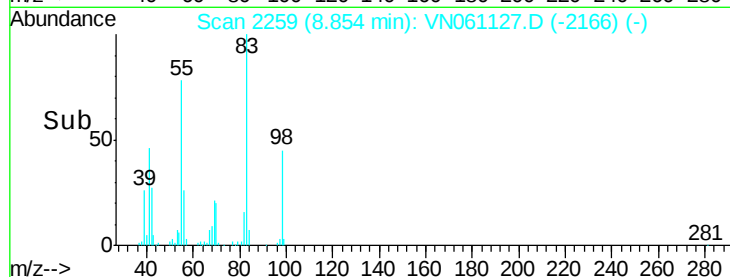
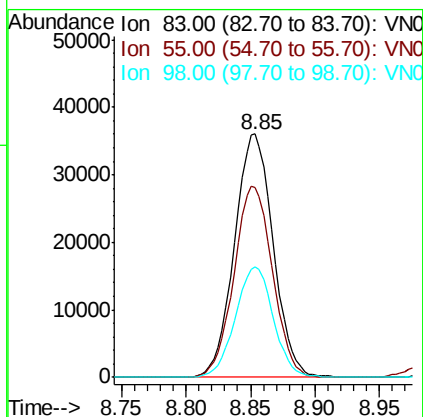
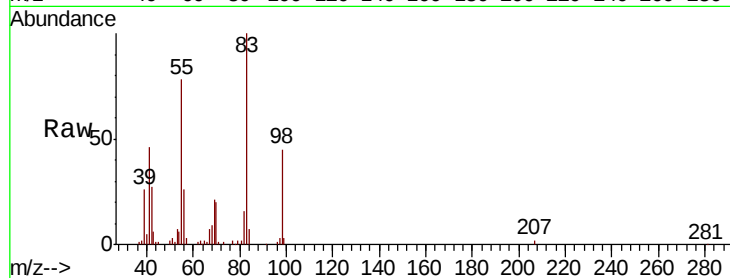




#39
Methvlcvclohexane
Concen: 18.424 ug/l
RT: 8.85 min Scan# 2259
Delta R.T. 0.00 min
Lab File: VN061127.D
Acq: 22 Apr 2020 13:59

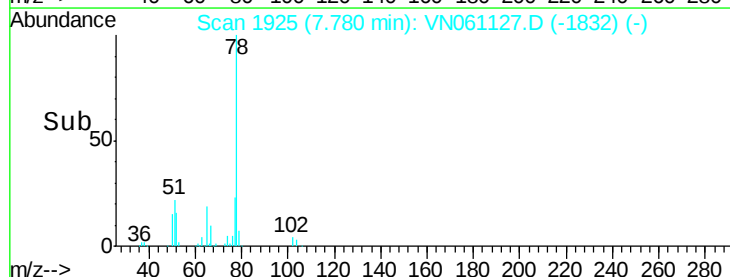
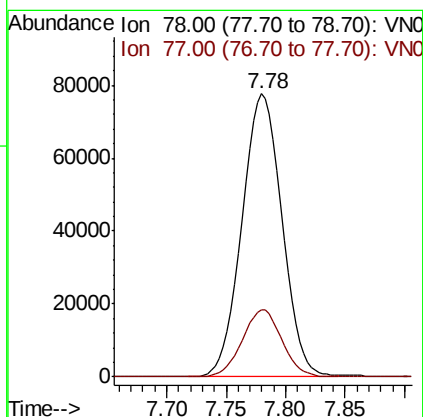
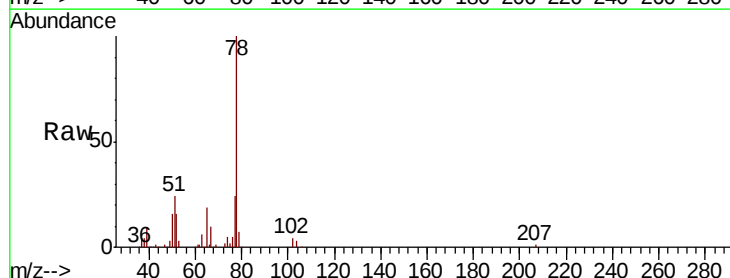
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

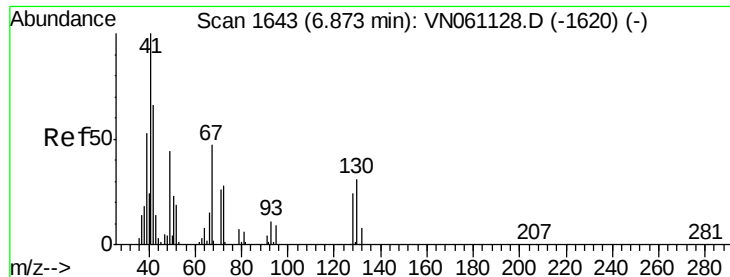
Tot Ion: 83 Resp: 75330
Ion Ratio Lower Upper
83 100
55 78.1 62.2 93.4
98 45.3 34.7 52.1



#40
Benzene
Concen: 17.919 ug/l
RT: 7.78 min Scan# 1925
Delta R.T. 0.00 min
Lab File: VN061127.D
Acq: 22 Apr 2020 13:59

Tgt Ion: 78 Resp: 181339
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.6

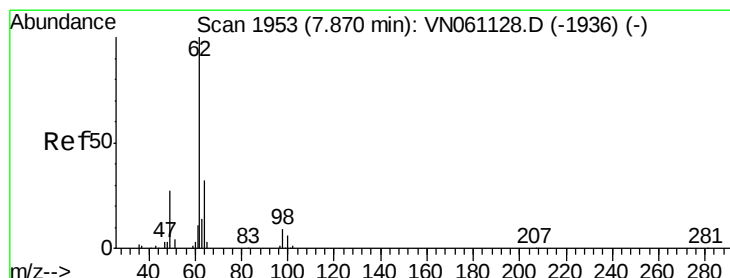
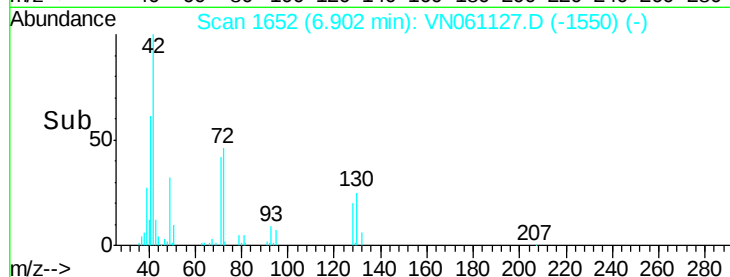
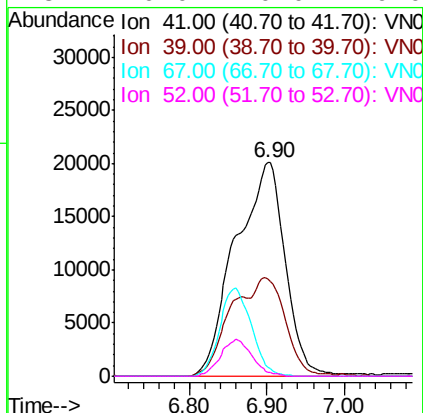
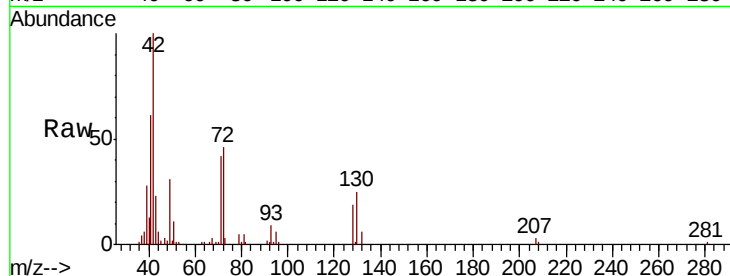




#41
Methacrylonitrile
Concen: 57.542 ug/l
RT: 6.90 min Scan# 1652
Delta R.T. 0.03 min
Lab File: VN061127.D
Acq: 22 Apr 2020 13:59

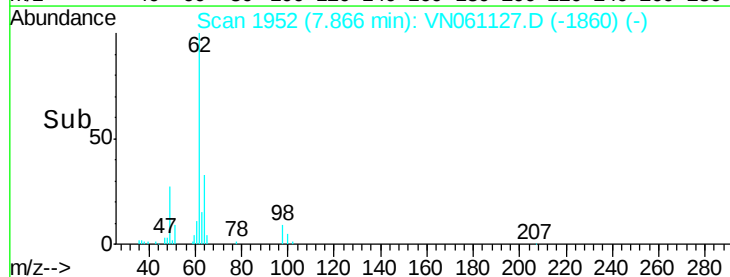
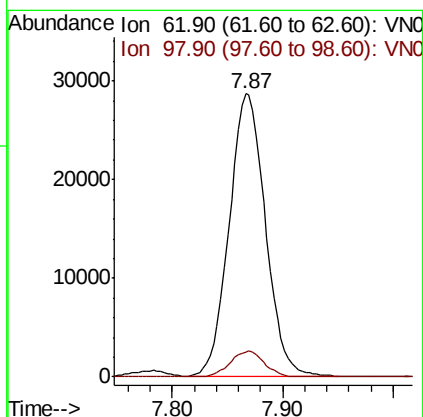
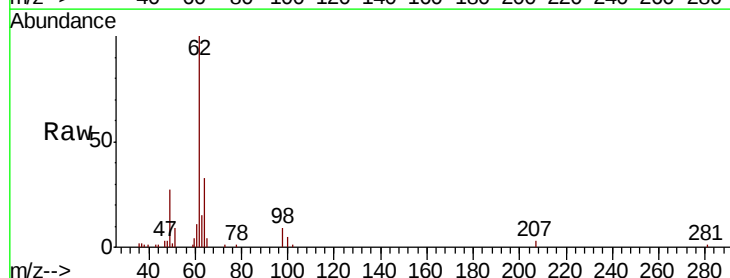
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

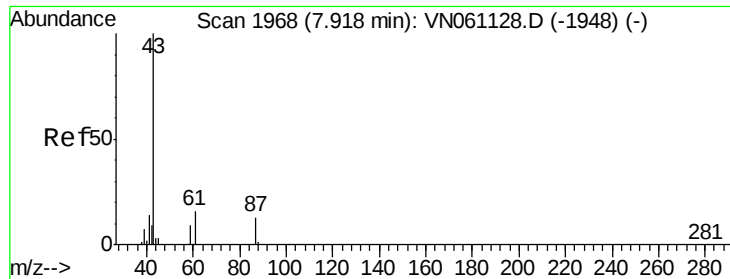
Tot Ion:	41	Resp:	89610
Ion	Ratio	Lower	Upper
41	100		
39	0.0	119.4	179.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 18.929 ug/l
RT: 7.87 min Scan# 1952
Delta R.T. -0.00 min
Lab File: VN061127.D
Acq: 22 Apr 2020 13:59

Tgt Ion:	62	Resp:	65578
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.0





#43

Isopropyl Acetate

Concen: 17.323 ug/l

RT: 7.92 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VN061127.D

Acq: 22 Apr 2020 13:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

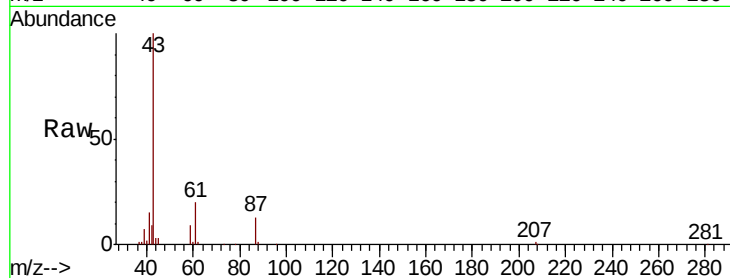
Tot Ion: 43 Resp: 103736

Ion Ratio Lower Upper

43 100

61 19.6 15.5 23.3

87 12.9 10.2 15.4

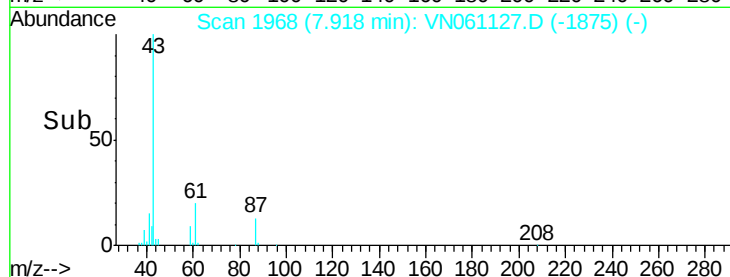


Abundance Ion 43.00 (42.70 to 43.70): VN061127.D (-1948) (-)

Ion 61.00 (60.70 to 61.70): VN061127.D (-1948) (-)

Ion 87.00 (86.70 to 87.70): VN061127.D (-1948) (-)

Time-->

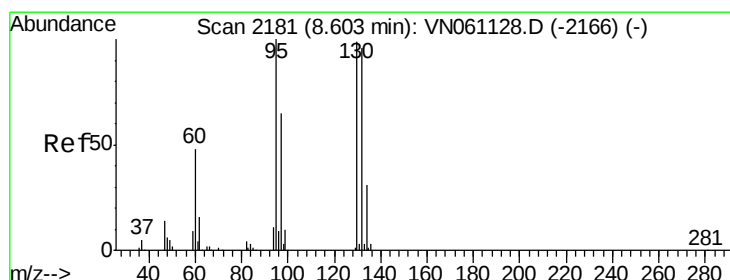


Abundance Ion 43.00 (42.70 to 43.70): VN061127.D (-1948) (-)

Ion 61.00 (60.70 to 61.70): VN061127.D (-1948) (-)

Ion 87.00 (86.70 to 87.70): VN061127.D (-1948) (-)

Time-->



#44

Trichloroethene

Concen: 20.482 ug/l

RT: 8.61 min Scan# 2182

Delta R.T. 0.00 min

Lab File: VN061127.D

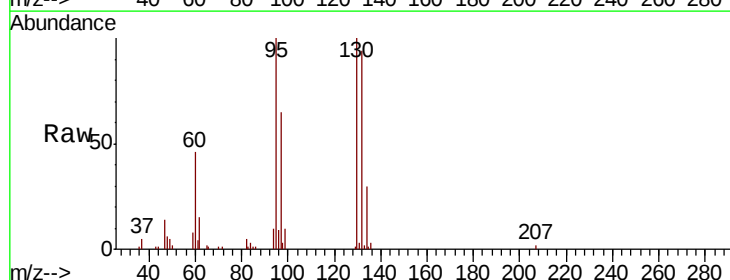
Acq: 22 Apr 2020 13:59

Tgt Ion: 130 Resp: 53393

Ion Ratio Lower Upper

130 100

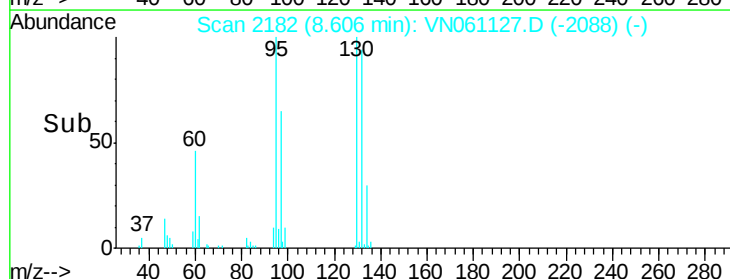
95 99.6 0.0 202.6



Abundance Ion 129.80 (129.50 to 130.50): VN061127.D (-2182) (-)

Ion 94.90 (94.60 to 95.60): VN061127.D (-2182) (-)

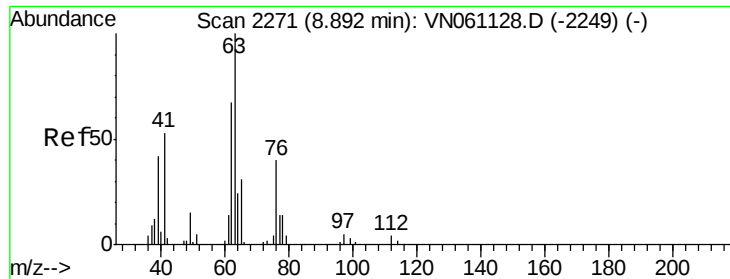
Time-->



Abundance Ion 129.80 (129.50 to 130.50): VN061127.D (-2182) (-)

Ion 94.90 (94.60 to 95.60): VN061127.D (-2182) (-)

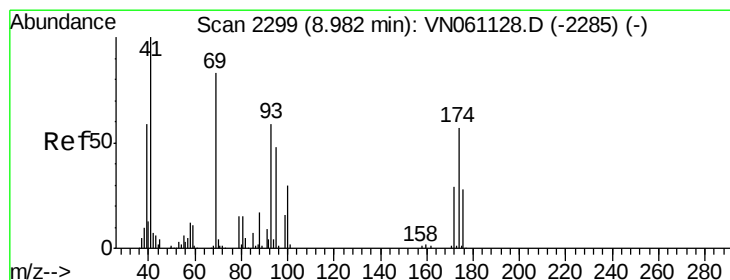
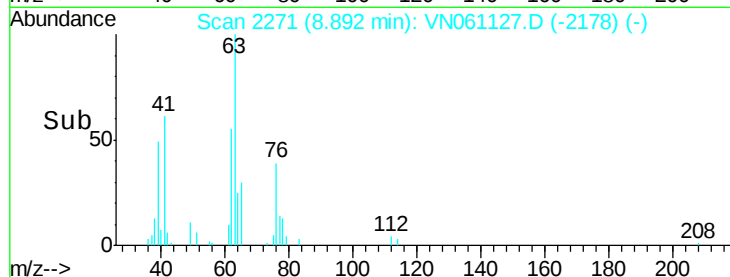
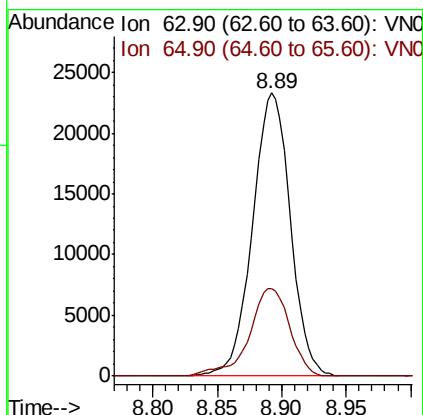
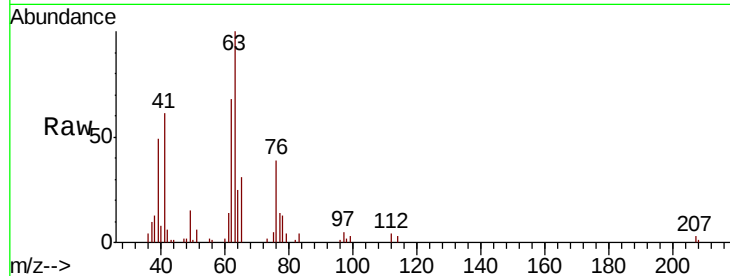
Time-->



#45
 1,2-Dichloropropane
 Concen: 17.518 ug/l
 RT: 8.89 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VN061127.D
 Acq: 22 Apr 2020 13:59

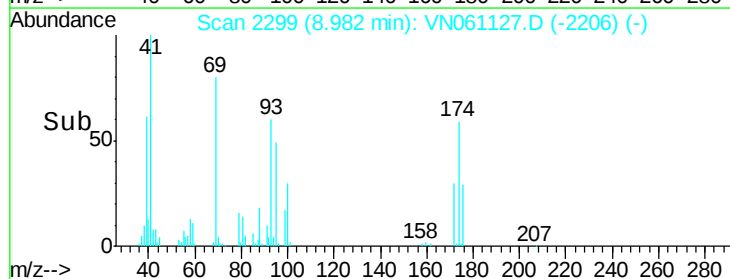
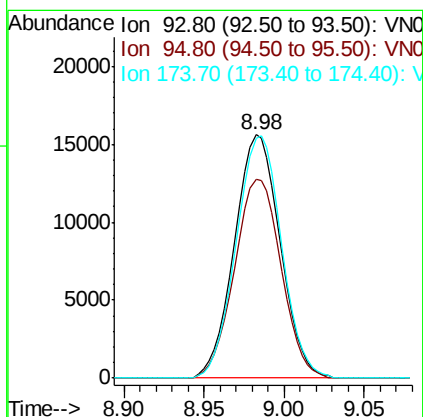
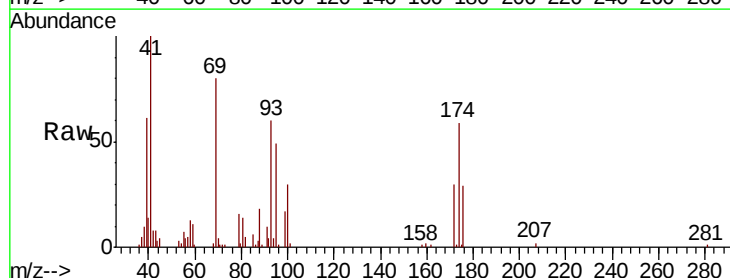
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

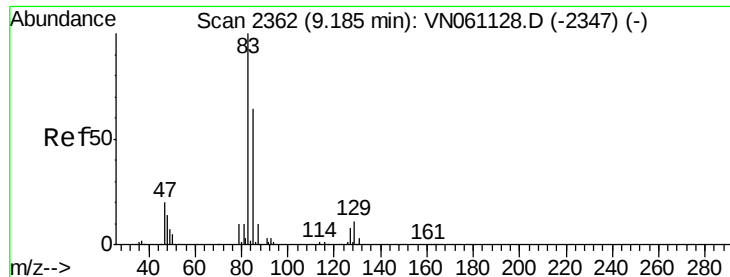
Tot Ion: 63 Resp: 47706
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.7 37.1



#46
 Dibromomethane
 Concen: 19.074 ug/l
 RT: 8.98 min Scan# 2299
 Delta R.T. 0.00 min
 Lab File: VN061127.D
 Acq: 22 Apr 2020 13:59

Tgt Ion: 93 Resp: 30453
 Ion Ratio Lower Upper
 93 100
 95 83.5 65.0 97.4
 174 99.1 77.8 116.6





#47

Bromodichloromethane

Concen: 18.088 ug/l

RT: 9.18 min Scan# 2362

Delta R.T. 0.00 min

Lab File: VN061127.D

Acq: 22 Apr 2020 13:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

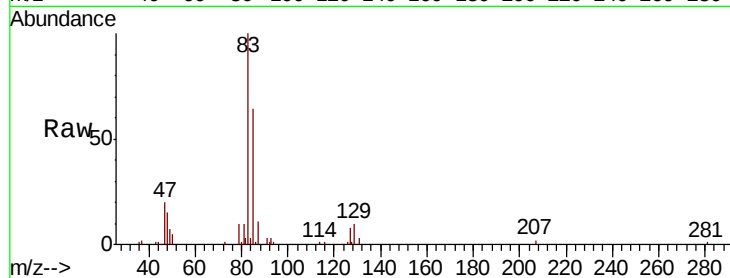
Tot Ion: 83 Resp: 60489

Ion Ratio Lower Upper

83 100

85 64.0 51.4 77.2

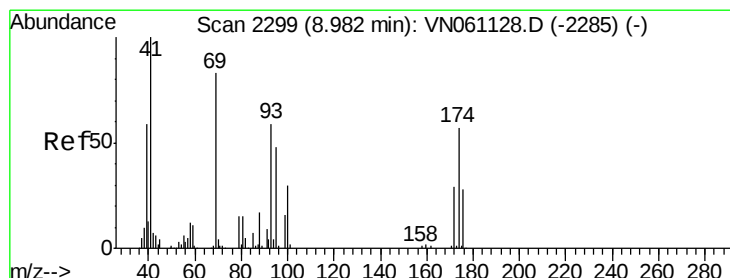
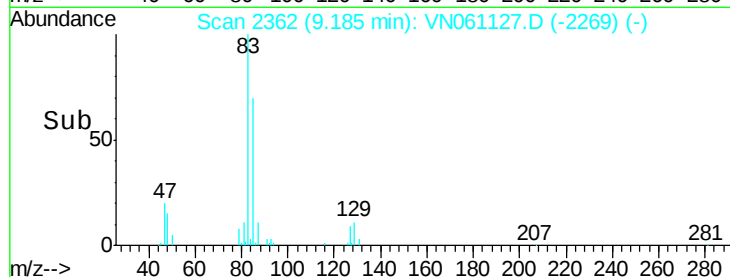
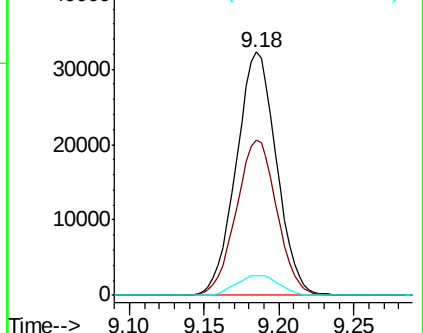
127 8.1 6.6 10.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 17.554 ug/l

RT: 8.98 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN061127.D

Acq: 22 Apr 2020 13:59

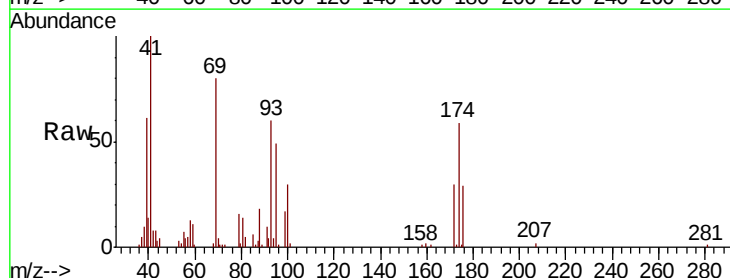
Tgt Ion: 41 Resp: 46791

Ion Ratio Lower Upper

41 100

69 81.9 65.4 98.2

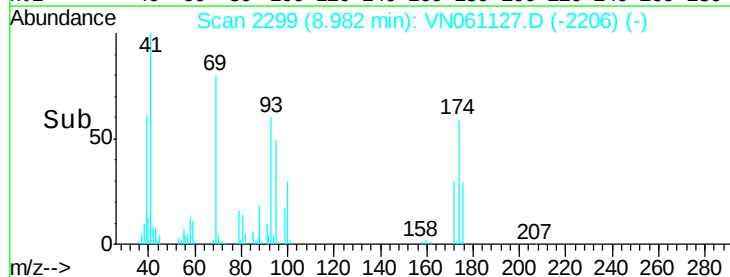
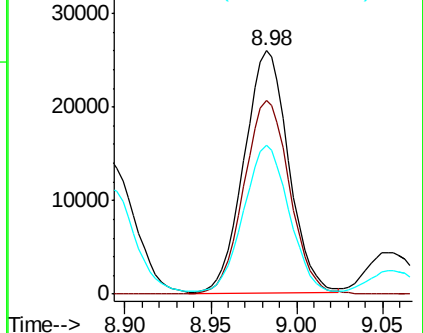
39 63.3 47.8 71.6

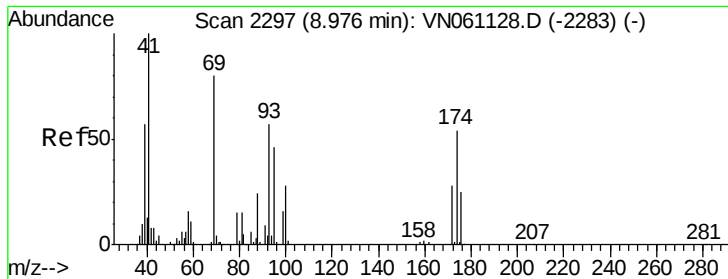


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

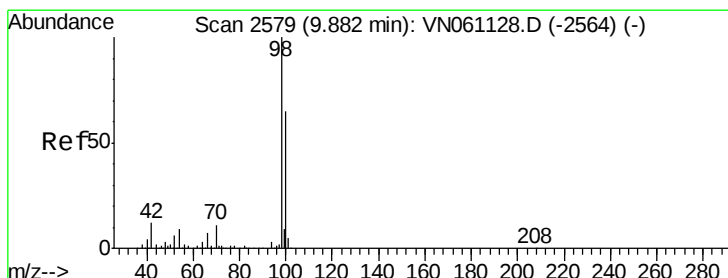
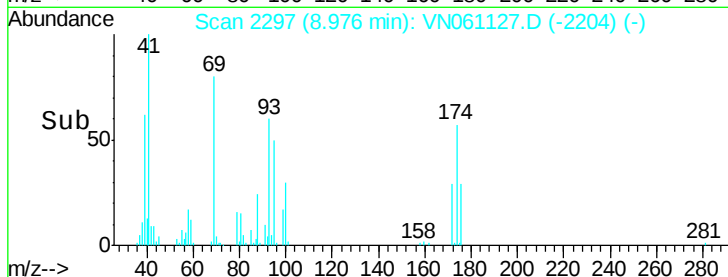
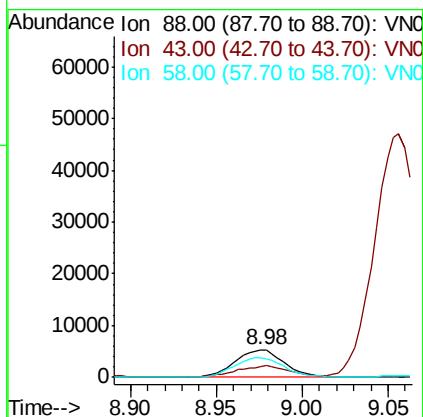
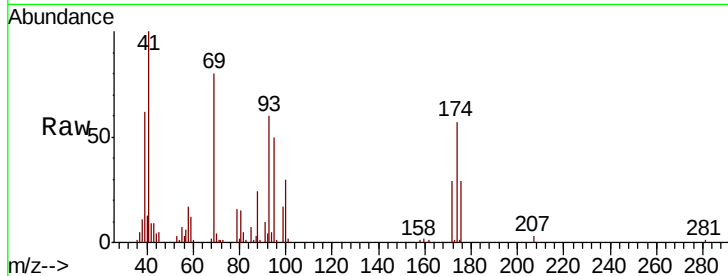




#49
1,4-Dioxane
Concen: 328.218 ug/l
RT: 8.98 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VN061127.D
Acq: 22 Apr 2020 13:59

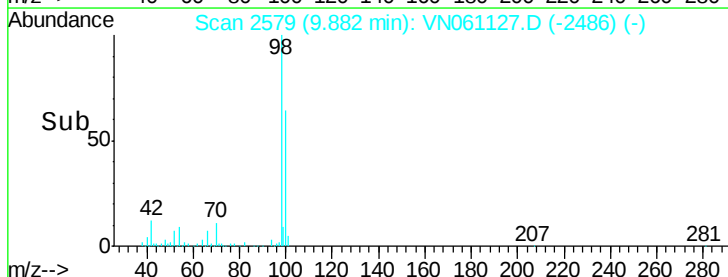
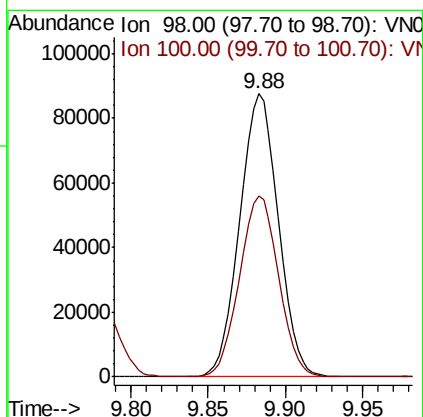
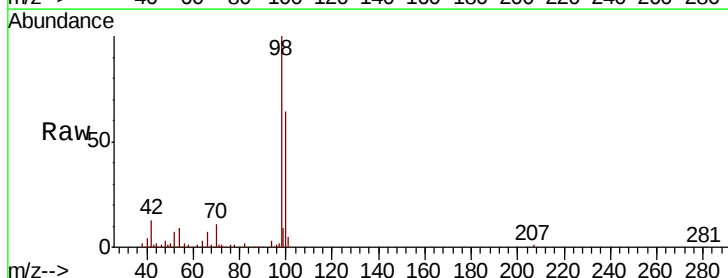
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

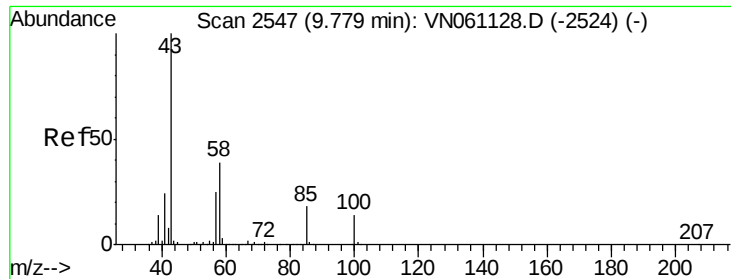
Tot Ion: 88 Resp: 10618
Ion Ratio Lower Upper
88 100
43 39.8 29.0 43.4
58 72.1 57.8 86.6



#50
Toluene-d8
Concen: 20.186 ug/l
RT: 9.88 min Scan# 2579
Delta R.T. 0.00 min
Lab File: VN061127.D
Acq: 22 Apr 2020 13:59

Tgt Ion: 98 Resp: 152597
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.6





#51

4-Methyl-2-Pentanone

Concen: 89.390 ug/l

RT: 9.78 min Scan# 2547

Delta R.T. 0.00 min

Lab File: VN061127.D

Acq: 22 Apr 2020 13:59

Instrument :

MSVOA_N

ClientSampleId :

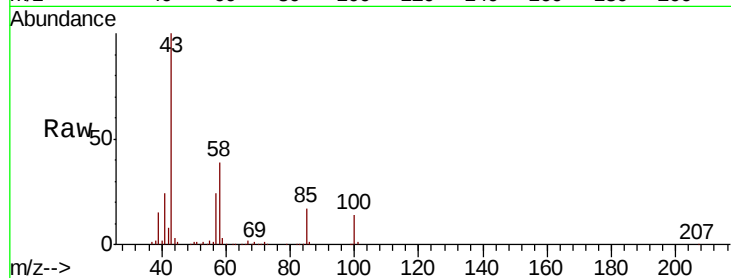
VSTDIC020

Tot Ion: 43 Resp: 309539

Ion Ratio Lower Upper

43 100

58 38.8 31.0 46.6



Abundance Ion 43.00 (42.70 to 43.70): VN061127.D (-2544) (-)

Ion 58.00 (57.70 to 58.70): VN061127.D (-2544) (-)

9.78

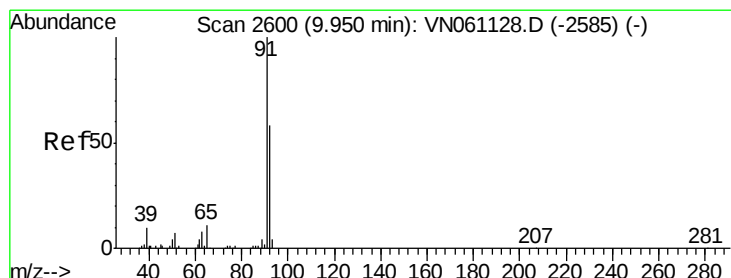
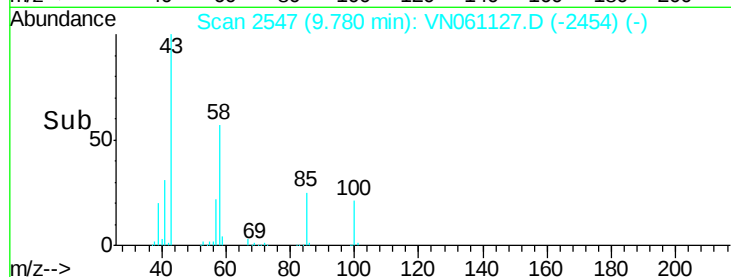
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.389 ug/l

RT: 9.95 min Scan# 2600

Delta R.T. 0.00 min

Lab File: VN061127.D

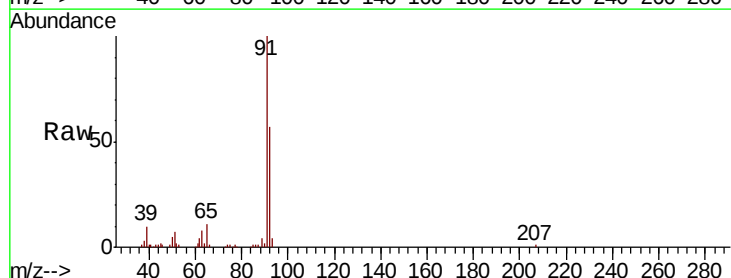
Acq: 22 Apr 2020 13:59

Tgt Ion: 92 Resp: 112278

Ion Ratio Lower Upper

92 100

91 174.1 138.3 207.5



Abundance Ion 92.00 (91.70 to 92.70): VN061127.D (-2507) (-)

Ion 91.00 (90.70 to 91.70): VN061127.D (-2507) (-)

9.95

120000

100000

80000

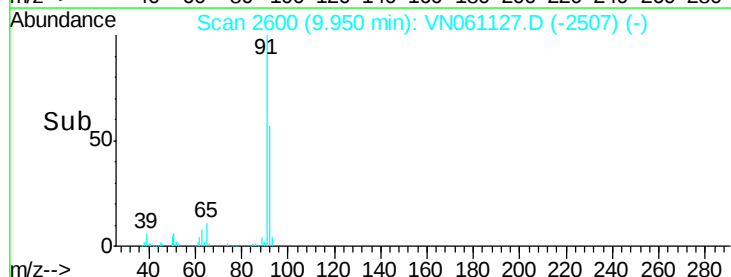
60000

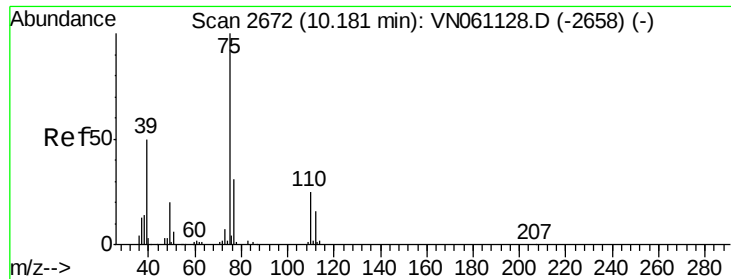
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.609 ug/l

RT: 10.18 min Scan# 2672

Delta R.T. 0.00 min

Lab File: VN061127.D

Acq: 22 Apr 2020 13:59

Instrument :

MSVOA_N

ClientSampleId :

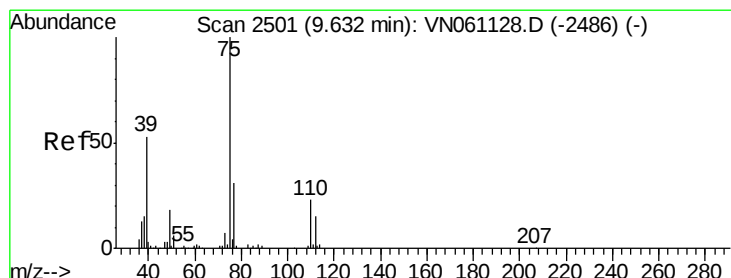
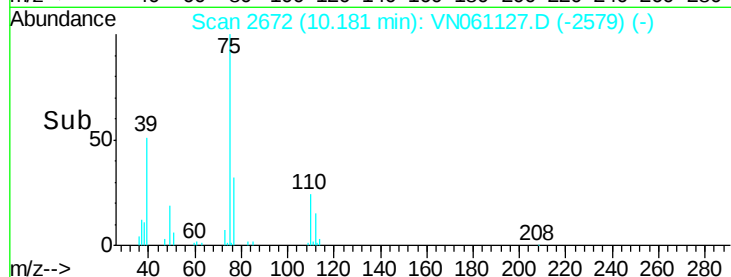
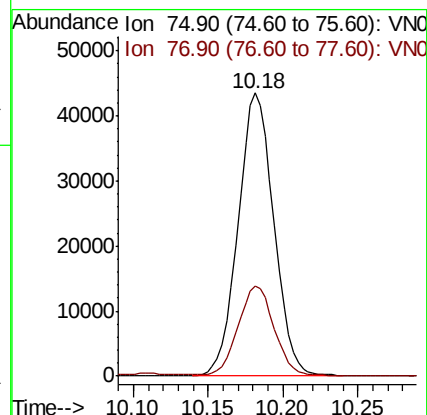
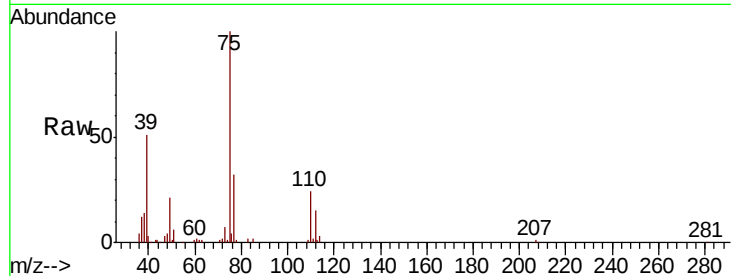
VSTDIC020

Tot Ion: 75 Resp: 72384

Ion Ratio Lower Upper

75 100

77 31.7 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 18.273 ug/l

RT: 9.63 min Scan# 2500

Delta R.T. -0.00 min

Lab File: VN061127.D

Acq: 22 Apr 2020 13:59

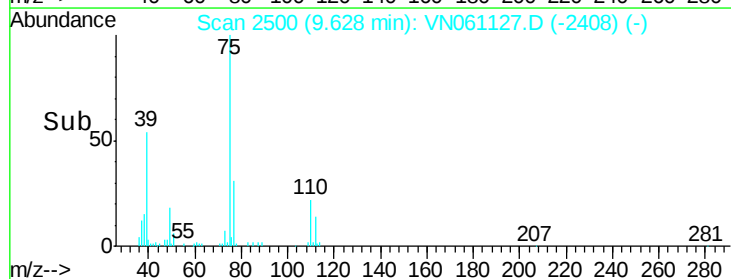
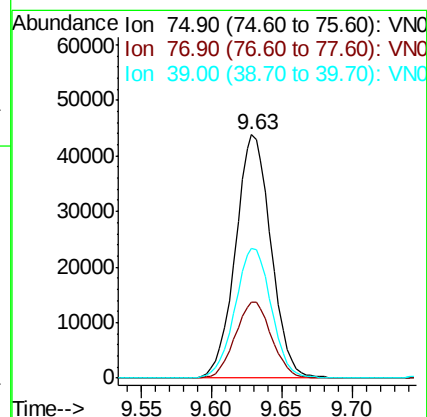
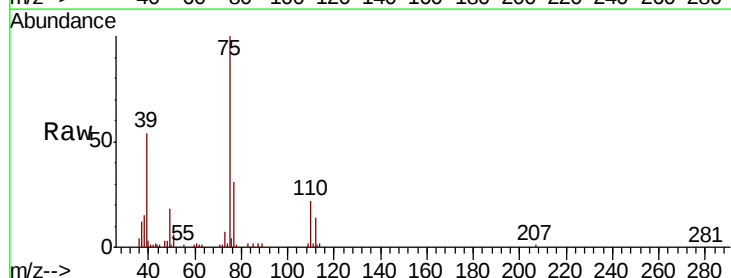
Tgt Ion: 75 Resp: 77260

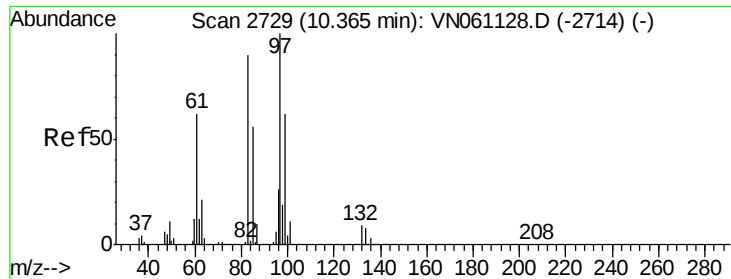
Ion Ratio Lower Upper

75 100

77 31.3 25.2 37.8

39 53.5 42.1 63.1

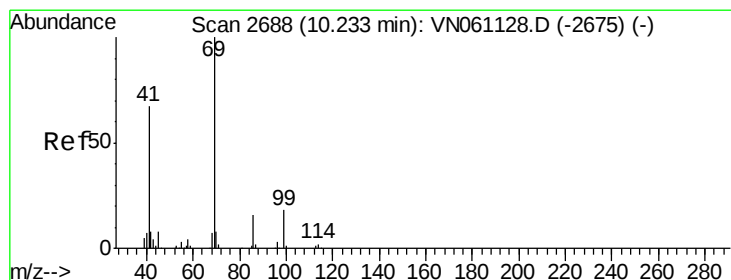
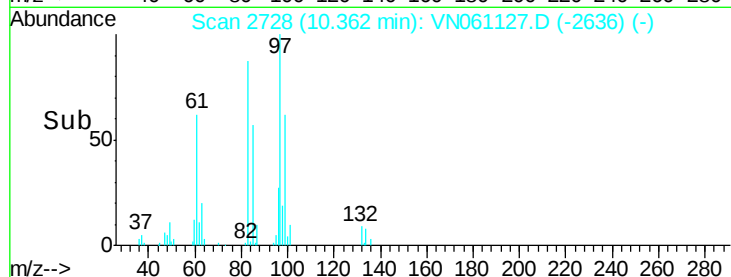
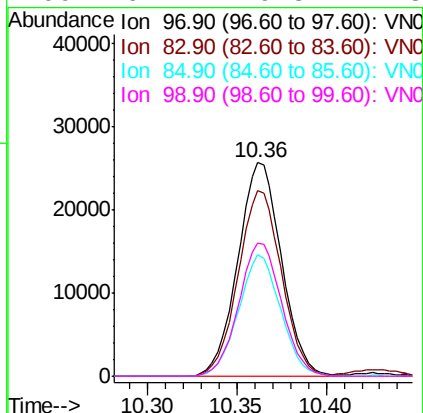
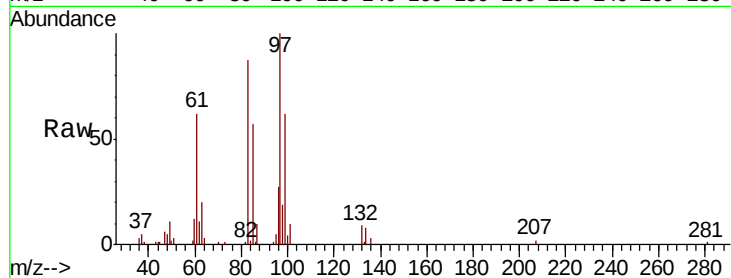




#55
 1,1,2-Trichloroethane
 Concen: 18.962 ug/l
 RT: 10.36 min Scan# 2728
 Delta R.T. -0.00 min
 Lab File: VN061127.D
 Acq: 22 Apr 2020 13:59

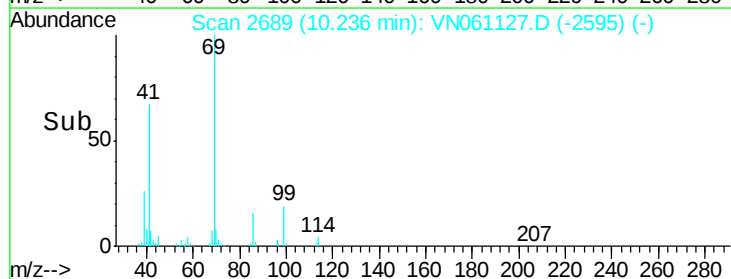
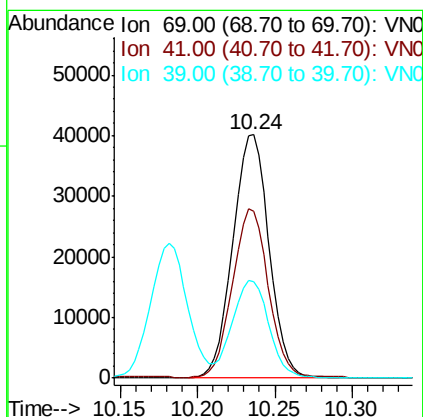
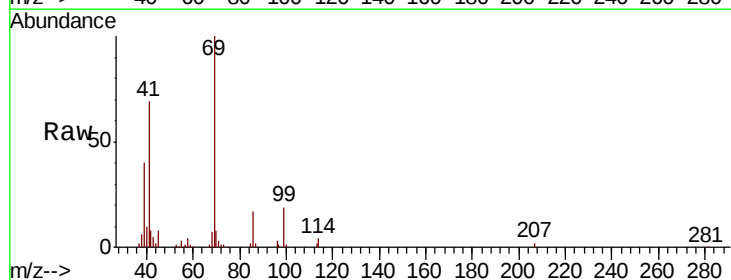
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

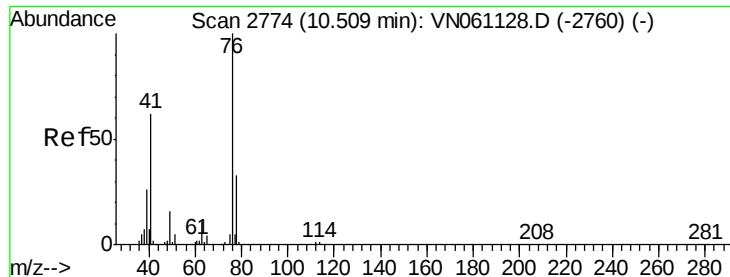
Tot Ion: 97 Resp: 43905
 Ion Ratio Lower Upper
 97 100
 83 86.8 71.8 107.6
 85 56.7 45.0 67.6
 99 62.1 49.8 74.8



#56
 Ethyl methacrylate
 Concen: 18.061 ug/l
 RT: 10.24 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN061127.D
 Acq: 22 Apr 2020 13:59

Tgt Ion: 69 Resp: 65386
 Ion Ratio Lower Upper
 69 100
 41 69.6 54.0 81.0
 39 40.2 31.4 47.0





#57

1,3-Dichloropropane

Concen: 18.200 ug/l

RT: 10.51 min Scan# 2774

Delta R.T. 0.00 min

Lab File: VN061127.D

Acq: 22 Apr 2020 13:59

Instrument :

MSVOA_N

ClientSampleId :

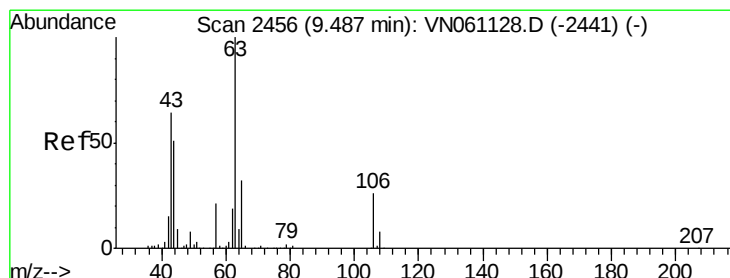
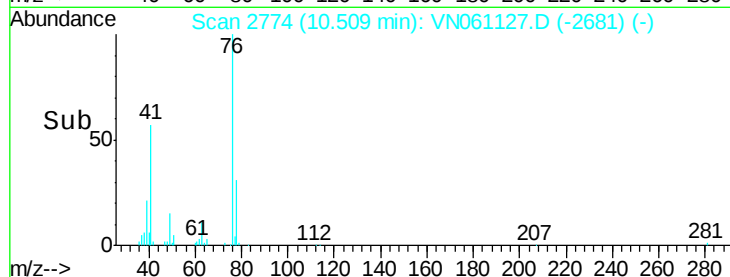
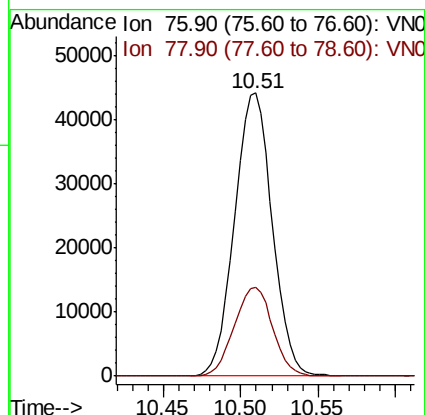
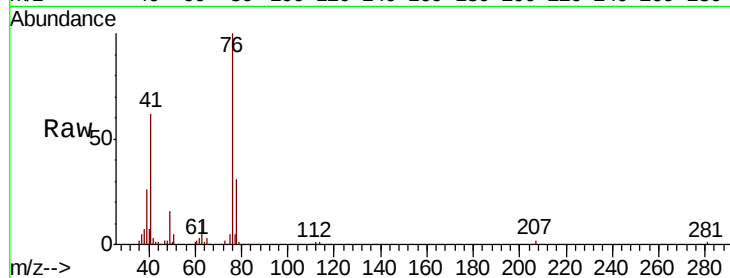
VSTDIC020

Tot Ion: 76 Resp: 74674

Ion Ratio Lower Upper

76 100

78 31.9 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 99.373 ug/l

RT: 9.49 min Scan# 2456

Delta R.T. 0.00 min

Lab File: VN061127.D

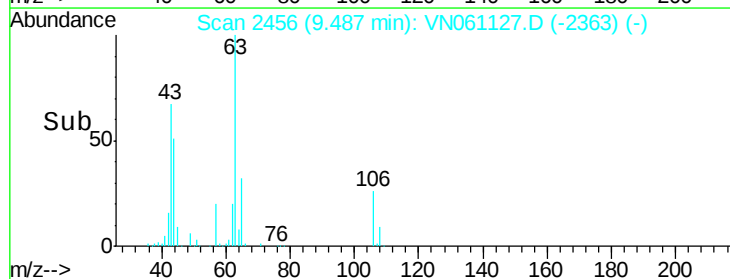
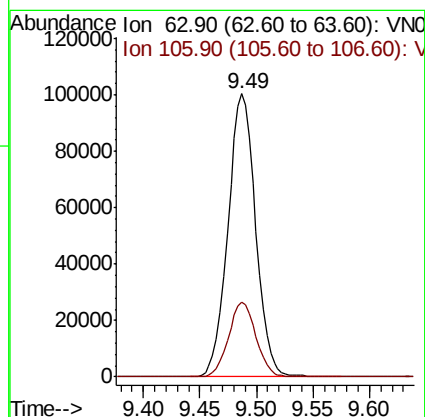
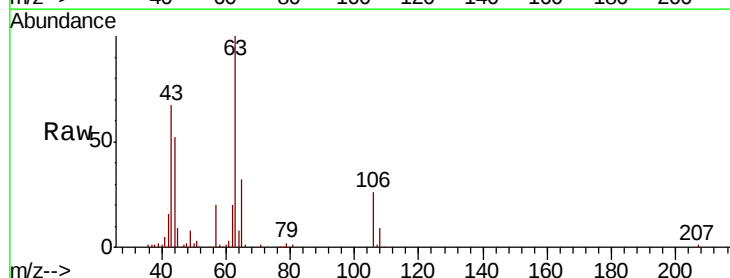
Acq: 22 Apr 2020 13:59

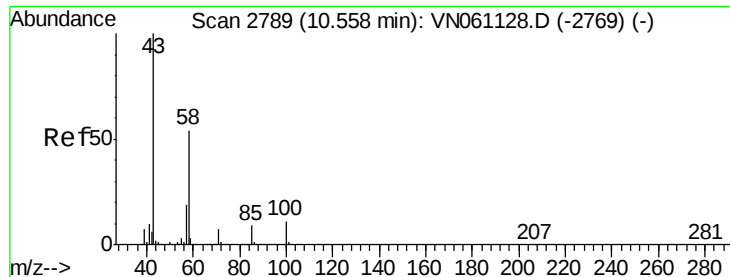
Tgt Ion: 63 Resp: 170766

Ion Ratio Lower Upper

63 100

106 26.3 21.3 31.9

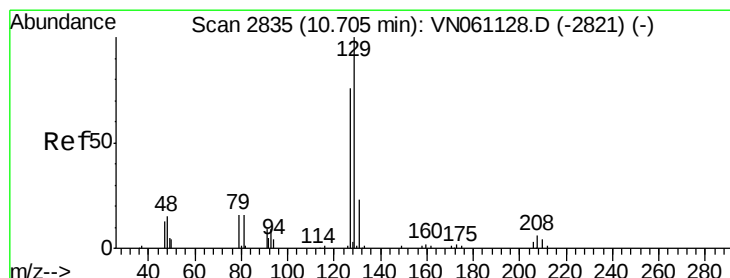
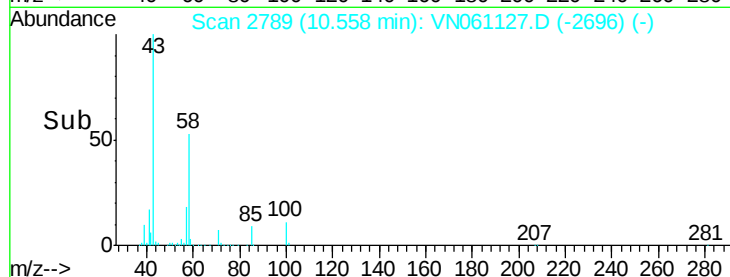
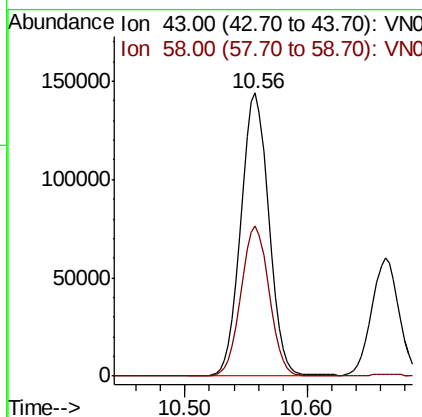
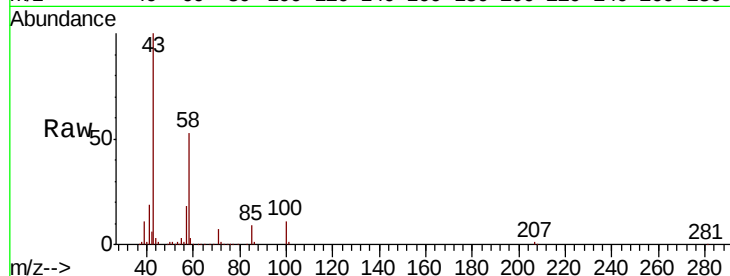




#59
2-Hexanone
Concen: 90.609 ug/l
RT: 10.56 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN061127.D
Acq: 22 Apr 2020 13:59

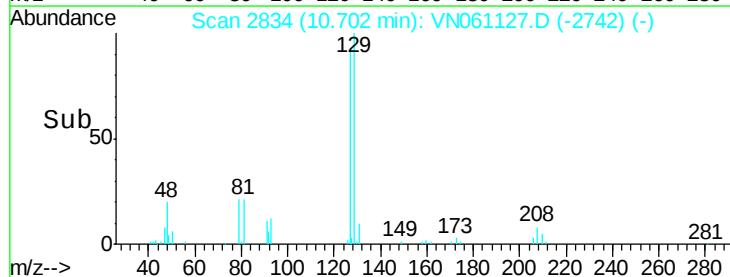
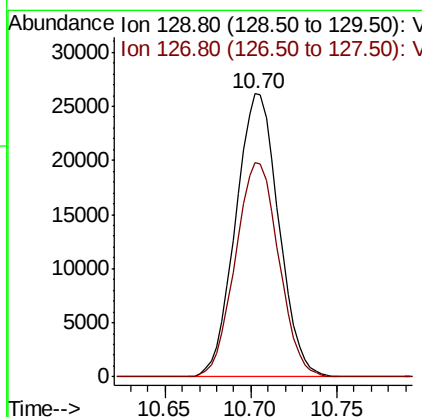
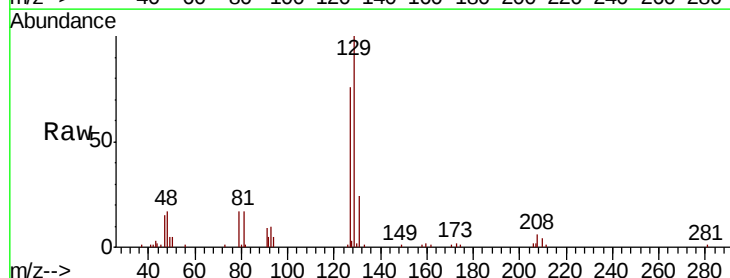
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

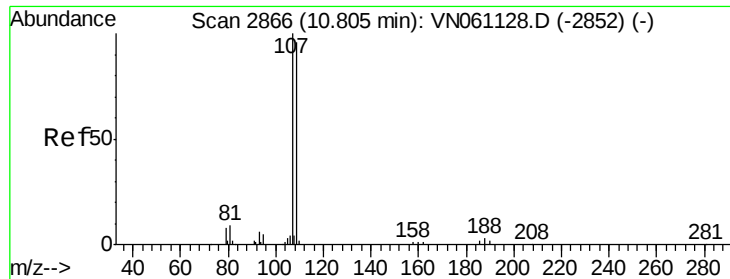
Tot Ion: 43 Resp: 226894
Ion Ratio Lower Upper
43 100
58 53.4 26.9 80.6



#60
Dibromochloromethane
Concen: 18.997 ug/l
RT: 10.70 min Scan# 2834
Delta R.T. -0.00 min
Lab File: VN061127.D
Acq: 22 Apr 2020 13:59

Tgt Ion: 129 Resp: 45383
Ion Ratio Lower Upper
129 100
127 76.3 38.4 115.2





#61

1,2-Dibromoethane

Concen: 18.969 ug/l

RT: 10.81 min Scan# 2866

Delta R.T. 0.00 min

Lab File: VN061127.D

Acq: 22 Apr 2020 13:59

Instrument :

MSVOA_N

ClientSampleId :

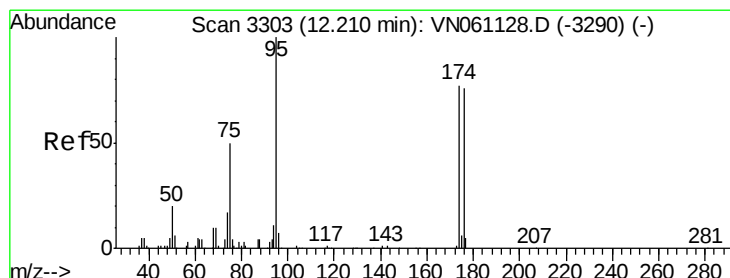
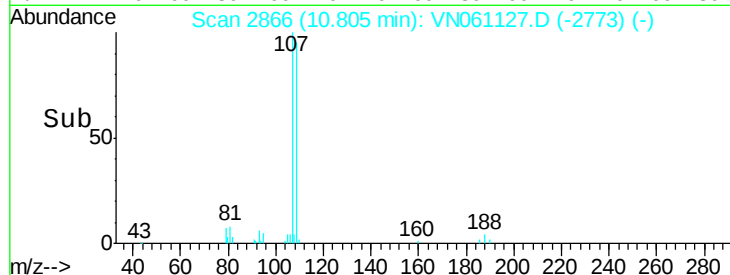
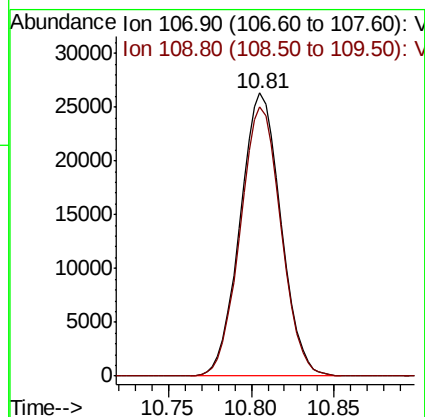
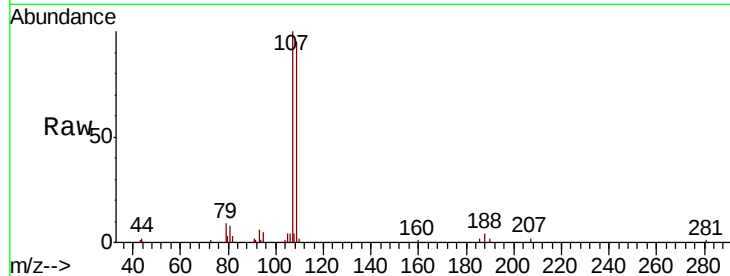
VSTDIC020

Tot Ion: 107 Resp: 45014

Ion Ratio Lower Upper

107 100

109 95.1 76.0 114.0



#62

4-Bromofluorobenzene

Concen: 19.427 ug/l

RT: 12.21 min Scan# 3303

Delta R.T. 0.00 min

Lab File: VN061127.D

Acq: 22 Apr 2020 13:59

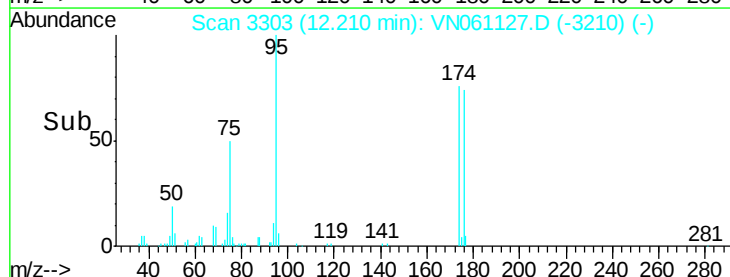
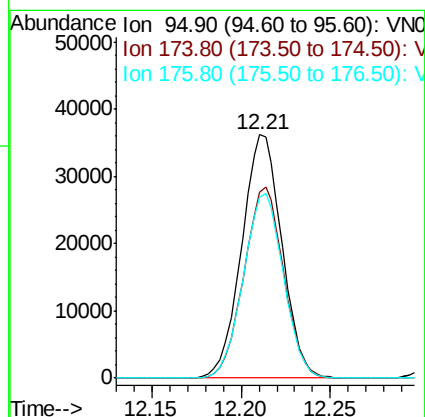
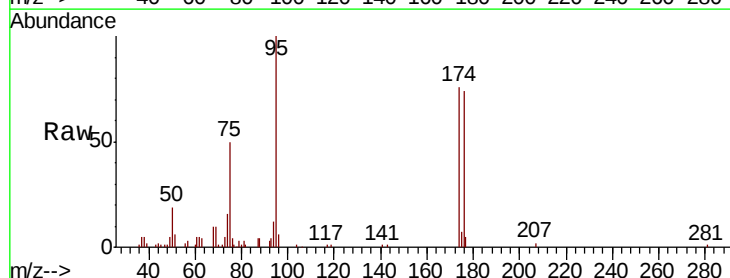
Tgt Ion: 95 Resp: 56934

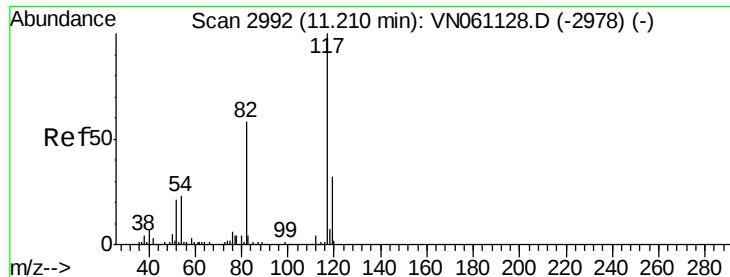
Ion Ratio Lower Upper

95 100

174 77.6 0.0 157.6

176 75.7 0.0 154.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.21 min Scan# 2992

Delta R.T. 0.00 min

Lab File: VN061127.D

Acq: 22 Apr 2020 13:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

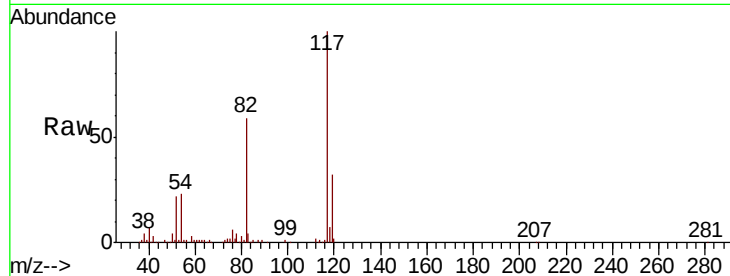
Tot Ion:117 Resp: 304071

Ion Ratio Lower Upper

117 100

82 58.8 46.0 69.0

119 32.4 25.9 38.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V

250000

200000

150000

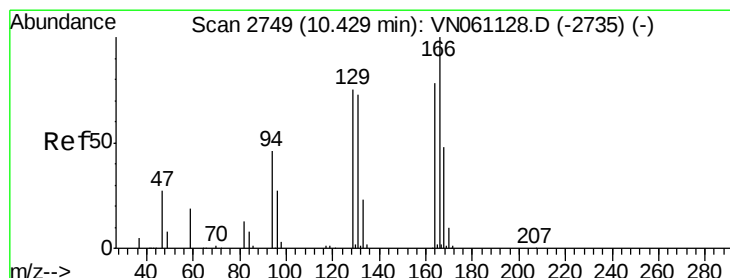
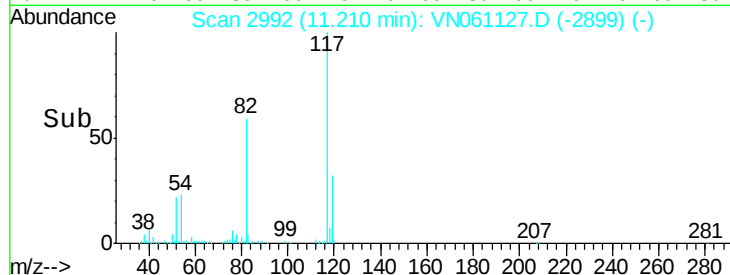
100000

50000

0

11.15 11.20 11.25 11.30

Time-->



#64

Tetrachloroethene

Concen: 24.441 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VN061127.D

Acq: 22 Apr 2020 13:59

Tgt Ion:164 Resp: 60020

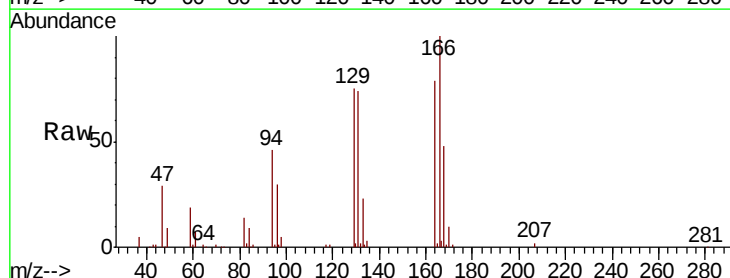
Ion Ratio Lower Upper

164 100

166 127.0 101.9 152.9

129 95.0 76.5 114.7

131 93.9 74.2 111.4



Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

60000

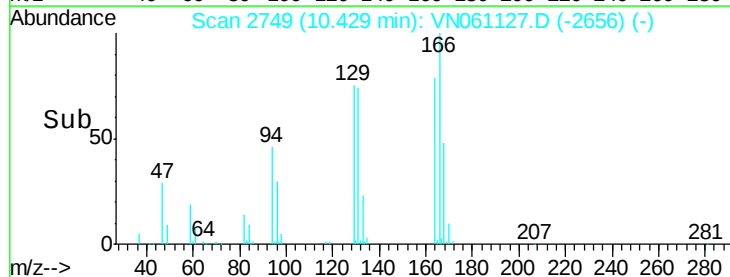
40000

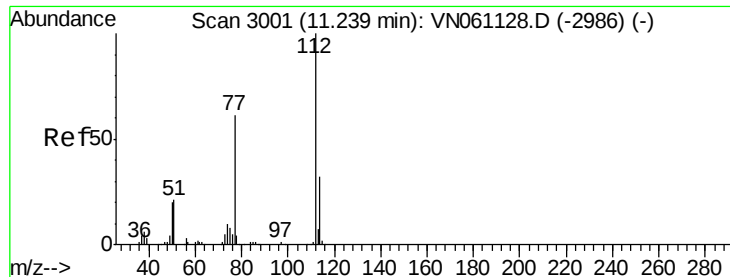
20000

0

10.35 10.40 10.45 10.50

Time-->

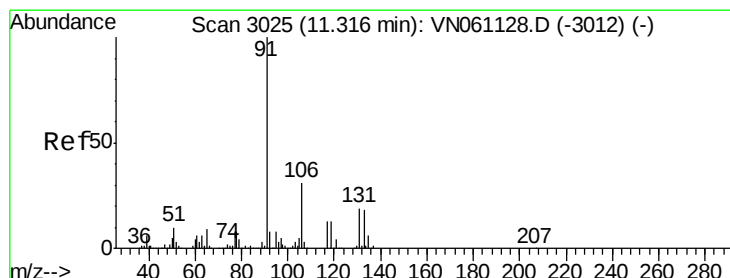
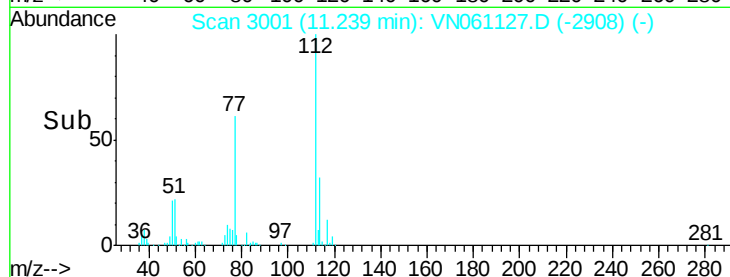
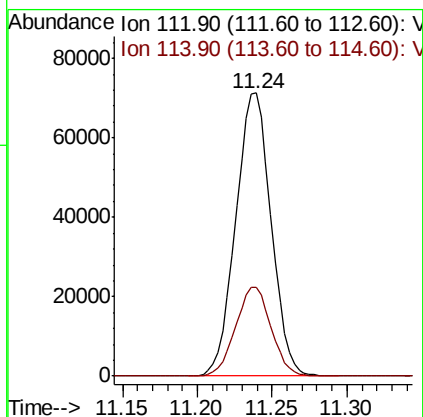
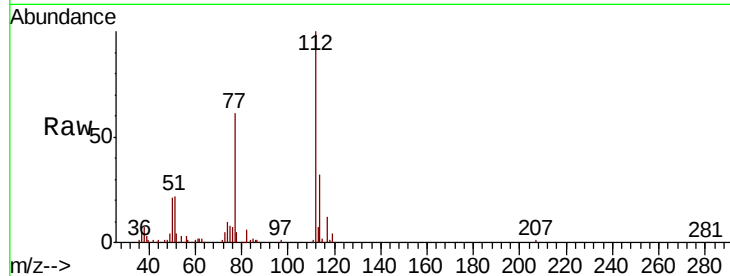




#65
Chlorobenzene
Concen: 18.659 ug/l
RT: 11.24 min Scan# 3001
Delta R.T. 0.00 min
Lab File: VN061127.D
Acq: 22 Apr 2020 13:59

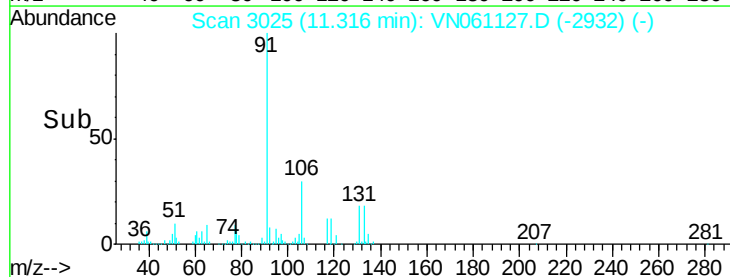
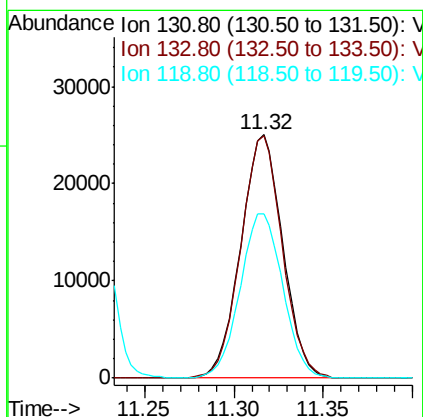
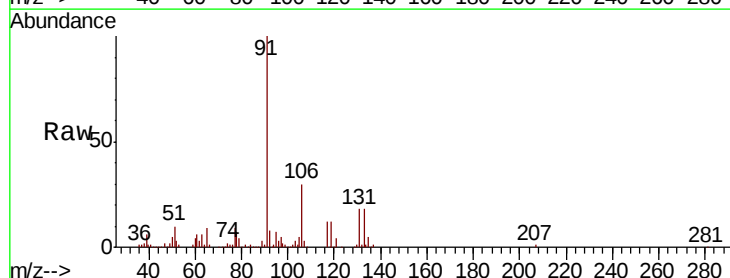
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

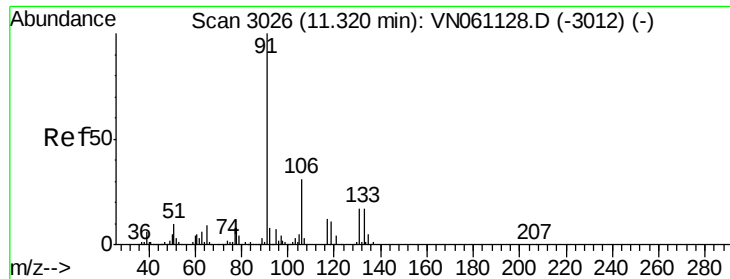
Tot Ion:112 Resp: 117240
Ion Ratio Lower Upper
112 100
114 31.5 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 18.300 ug/l
RT: 11.32 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN061127.D
Acq: 22 Apr 2020 13:59

Tgt Ion:131 Resp: 41205
Ion Ratio Lower Upper
131 100
133 98.3 48.2 144.6
119 69.0 33.1 99.5





#67

Ethyl Benzene

Concen: 18.555 ug/l

RT: 11.32 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN061127.D

Acq: 22 Apr 2020 13:59

Instrument :

MSVOA_N

ClientSampleId :

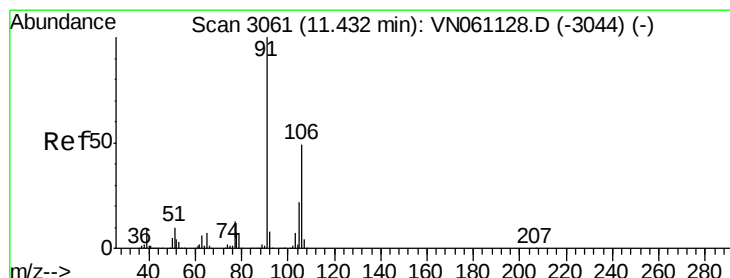
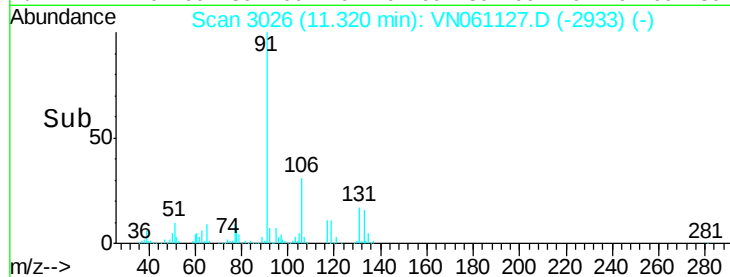
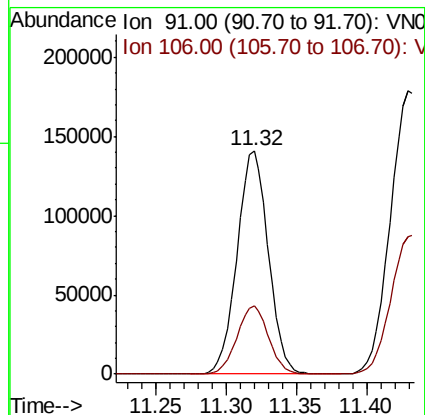
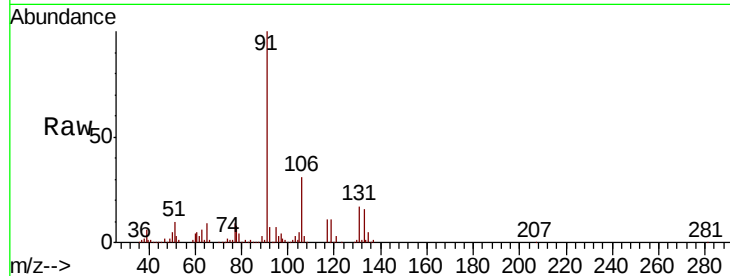
VSTDIC020

Tot Ion: 91 Resp: 218830

Ion Ratio Lower Upper

91 100

106 30.5 24.7 37.1



#68

m/p-Xylenes

Concen: 38.055 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN061127.D

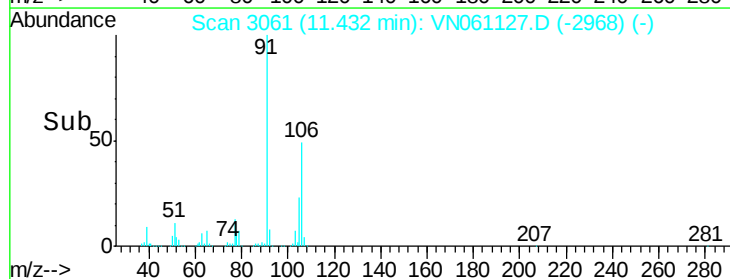
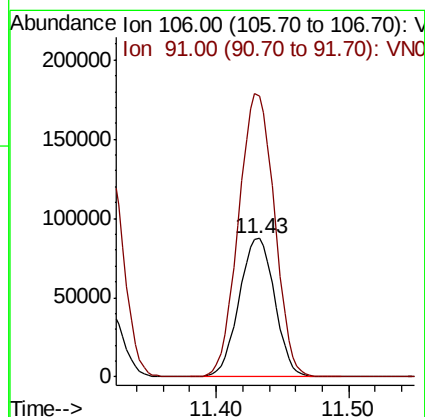
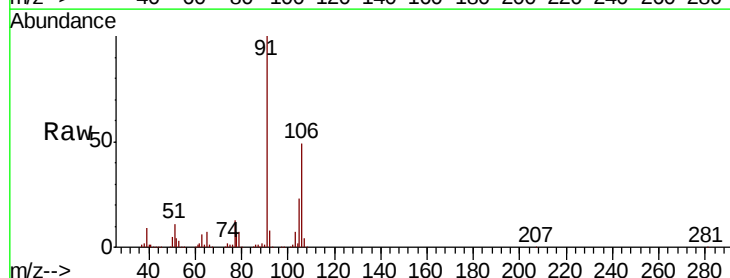
Acq: 22 Apr 2020 13:59

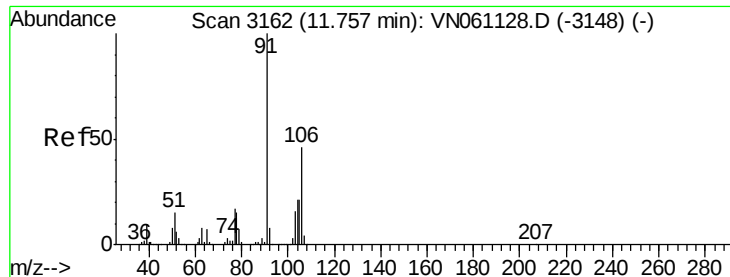
Tgt Ion: 106 Resp: 163198

Ion Ratio Lower Upper

106 100

91 206.3 163.9 245.9

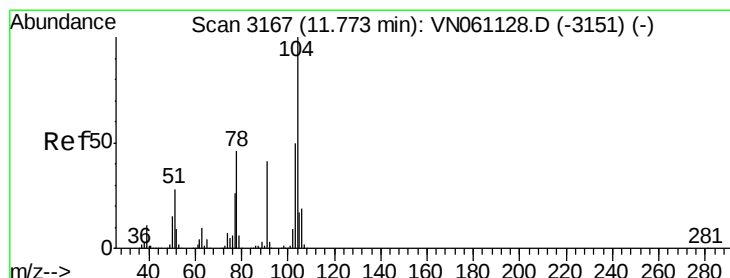
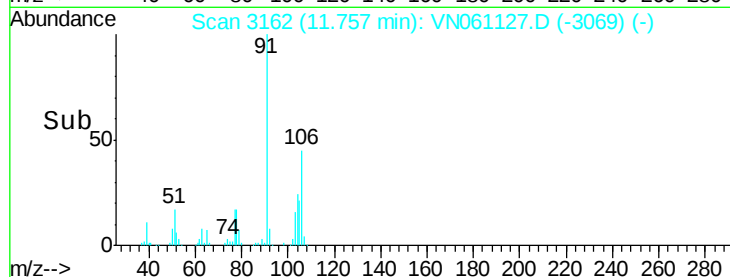
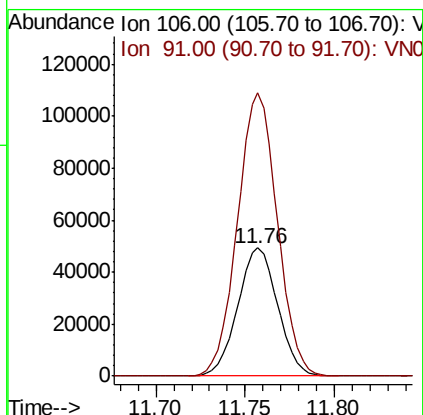
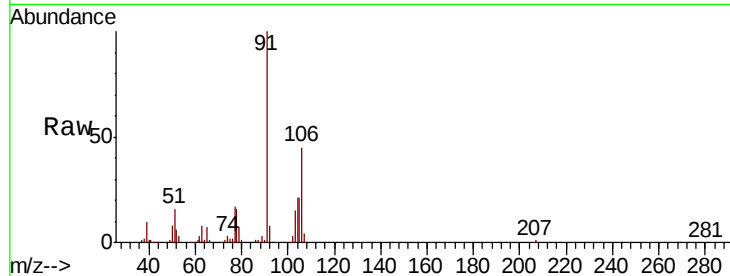




#69
o-Xylene
Concen: 18.742 ug/l
RT: 11.76 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN061127.D
Acq: 22 Apr 2020 13:59

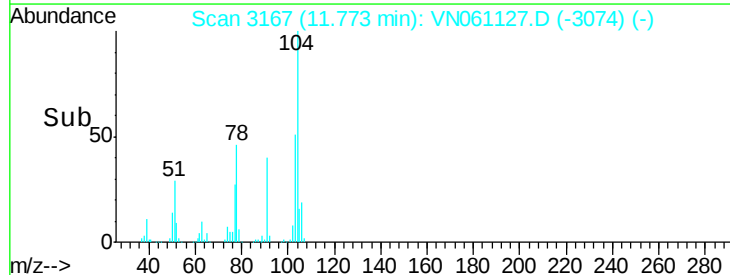
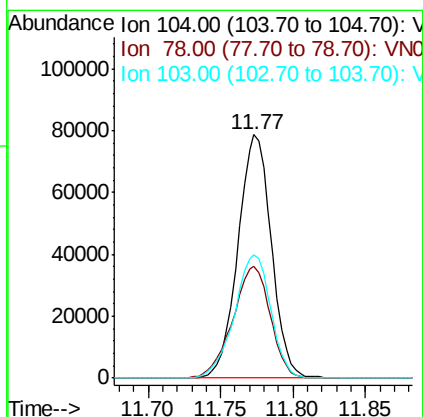
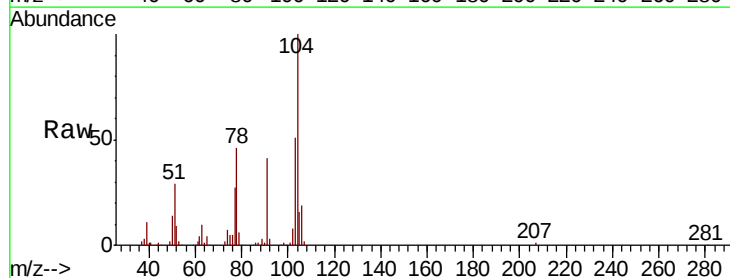
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

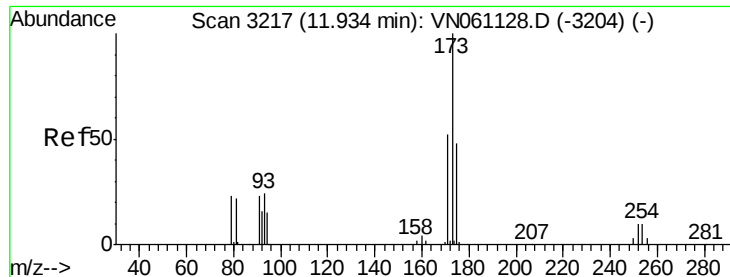
Tot Ion:106 Resp: 77287
Ion Ratio Lower Upper
106 100
91 220.3 107.6 322.8



#70
Styrene
Concen: 19.004 ug/l
RT: 11.77 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN061127.D
Acq: 22 Apr 2020 13:59

Tgt Ion:104 Resp: 126128
Ion Ratio Lower Upper
104 100
78 51.6 40.6 61.0
103 55.2 43.7 65.5





#71

Bromoform

Concen: 18.274 ug/l

RT: 11.93 min Scan# 3217

Delta R.T. 0.00 min

Lab File: VN061127.D

Acq: 22 Apr 2020 13:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

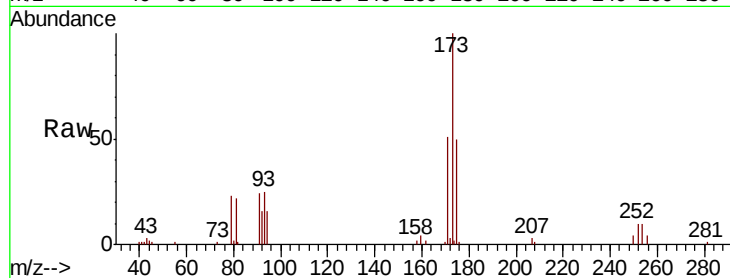
Tot Ion:173 Resp: 30690

Ion Ratio Lower Upper

173 100

175 49.0 23.9 71.8

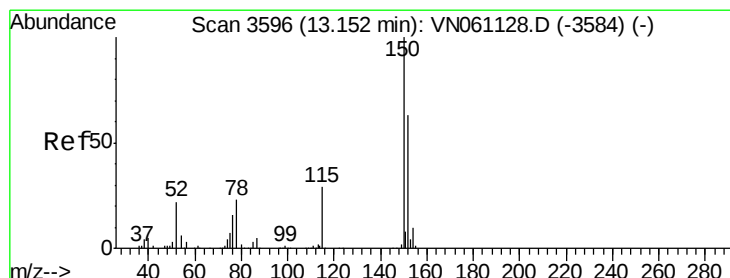
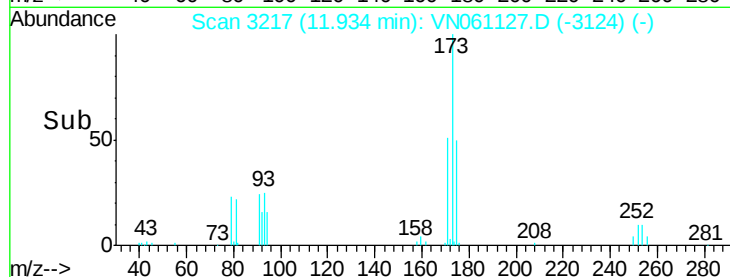
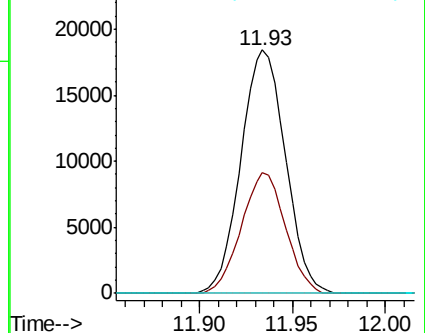
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.15 min Scan# 3596

Delta R.T. 0.00 min

Lab File: VN061127.D

Acq: 22 Apr 2020 13:59

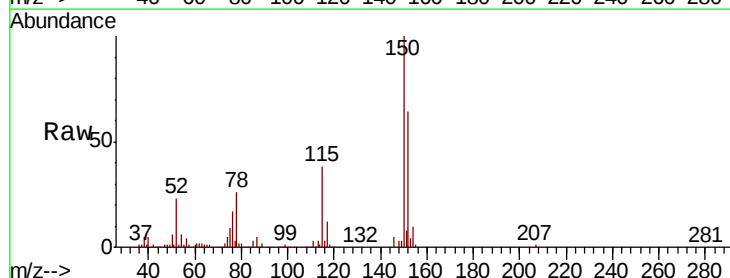
Tgt Ion:152 Resp: 148449

Ion Ratio Lower Upper

152 100

115 59.3 29.8 89.5

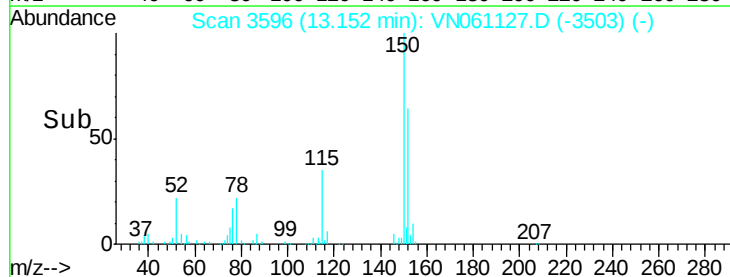
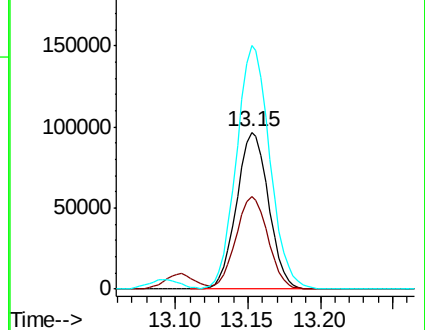
150 162.1 0.0 348.6

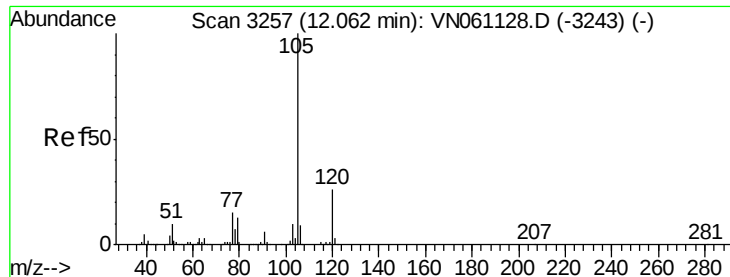


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 17.847 ug/l

RT: 12.06 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN061127.D

Acq: 22 Apr 2020 13:59

Instrument :

MSVOA_N

ClientSampleId :

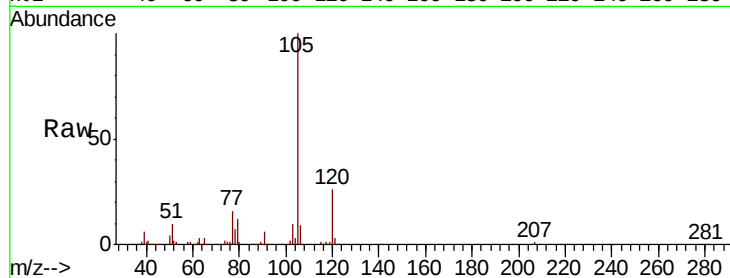
VSTDIC020

Tot Ion:105 Resp: 211434

Ion Ratio Lower Upper

105 100

120 25.9 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.06

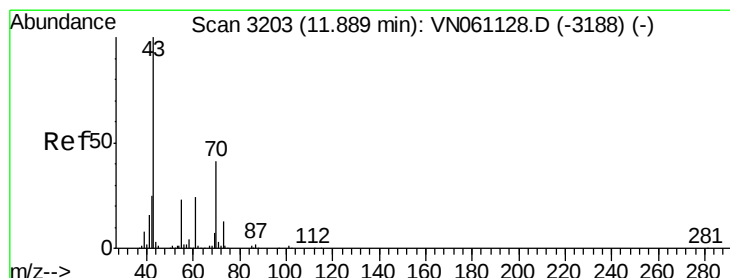
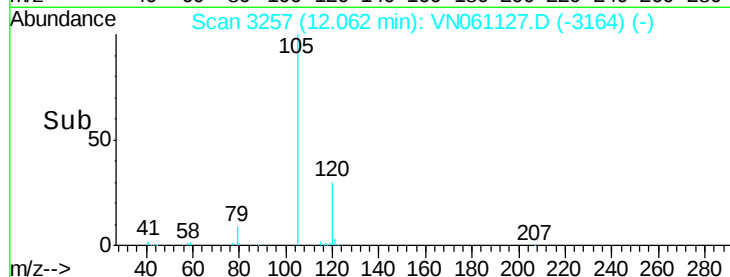
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 17.086 ug/l

RT: 11.89 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN061127.D

Acq: 22 Apr 2020 13:59

Tgt Ion: 43 Resp: 93474

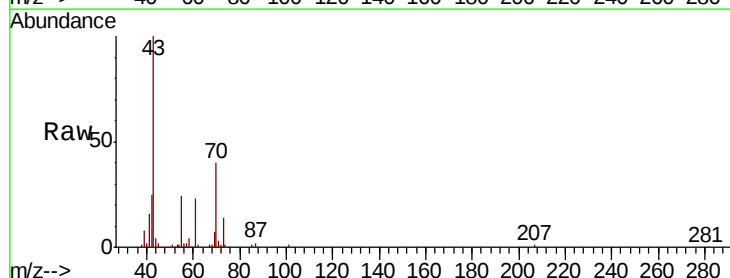
Ion Ratio Lower Upper

43 100

70 40.5 32.5 48.7

55 24.4 19.0 28.6

61 23.1 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

11.89

100000

80000

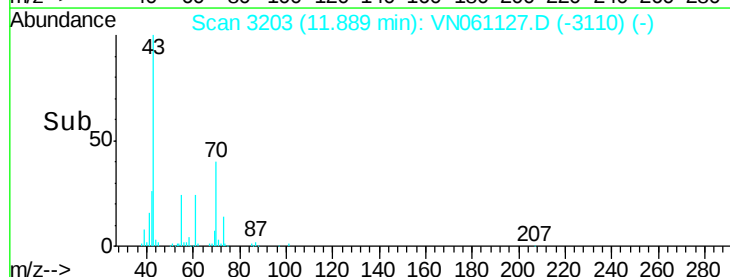
60000

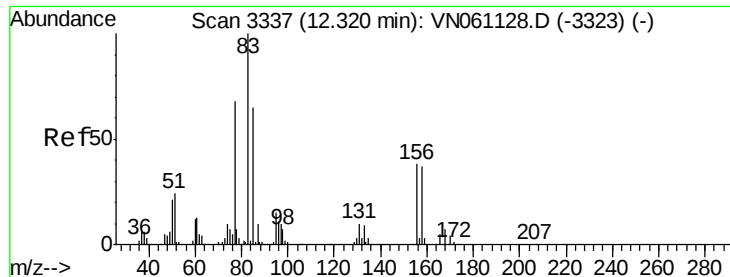
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 15.953 ug/l

RT: 12.32 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061127.D

Acq: 22 Apr 2020 13:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

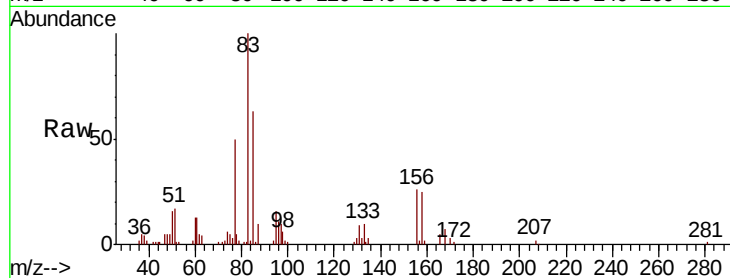
Tot Ion: 83 Resp: 56486

Ion Ratio Lower Upper

83 100

131 9.8 5.1 15.2

85 63.3 31.9 95.5



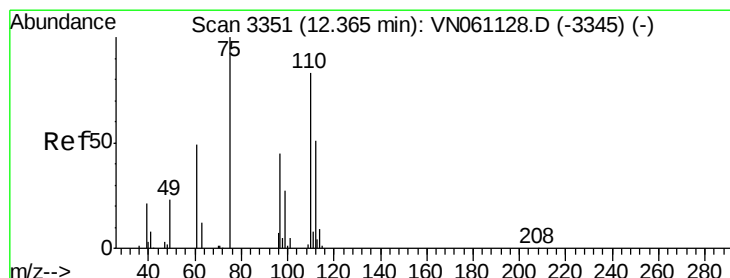
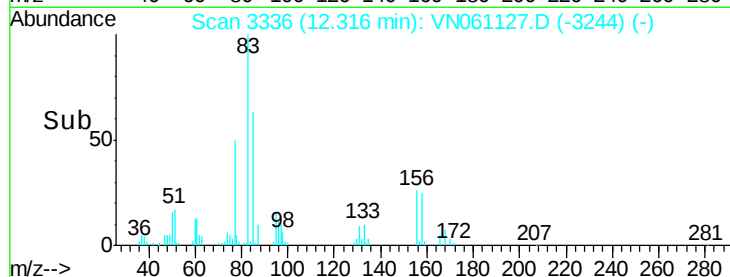
Abundance Ion 82.90 (82.60 to 83.60): VN061127.D (-3337) (-)

Ion 130.80 (130.50 to 131.50): VN061127.D (-3337) (-)

Ion 84.90 (84.60 to 85.60): VN061127.D (-3337) (-)

12.32

Time-->



#76

1,2,3-Trichloropropane

Concen: 25.705 ug/l

RT: 12.36 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN061127.D

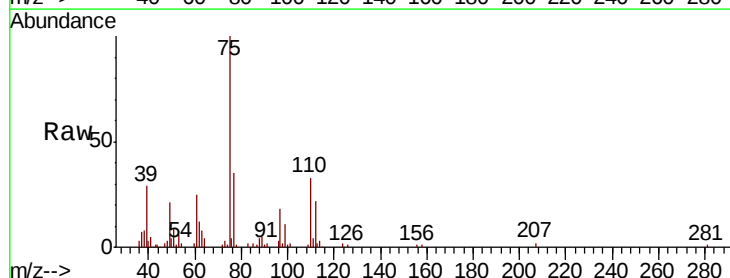
Acq: 22 Apr 2020 13:59

Tgt Ion: 75 Resp: 85292

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

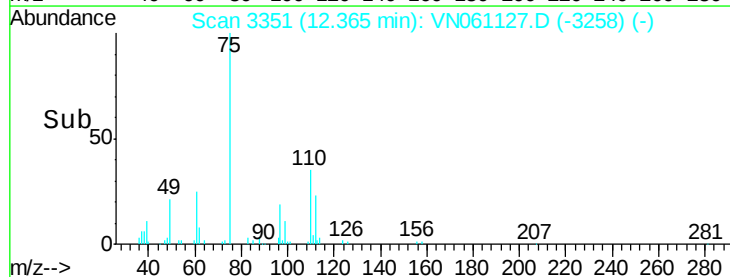


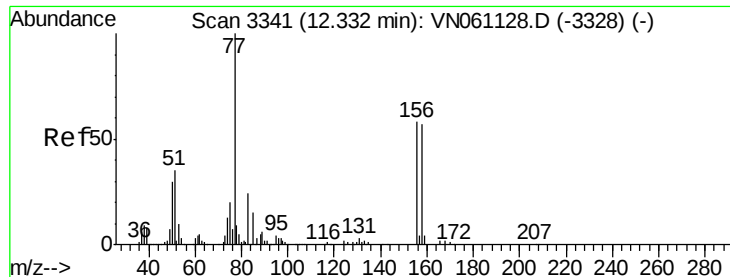
Abundance Ion 74.90 (74.60 to 75.60): VN061127.D (-3351) (-)

Ion 77.00 (76.70 to 77.70): VN061127.D (-3351) (-)

12.36

Time-->

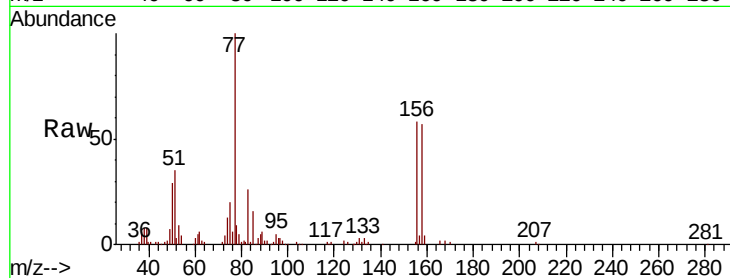




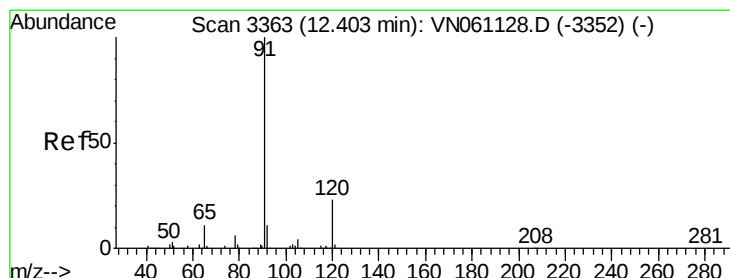
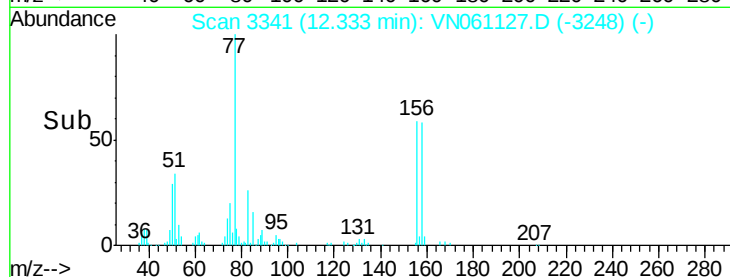
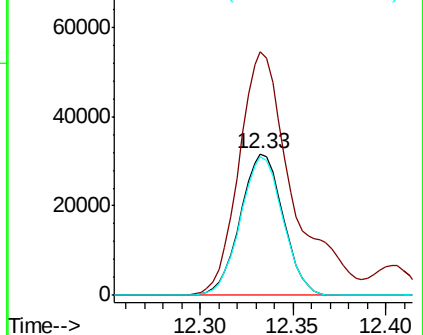
#77
Bromobenzene
Concen: 18.208 ug/l
RT: 12.33 min Scan# 3341
Delta R.T. 0.00 min
Lab File: VN061127.D
Acq: 22 Apr 2020 13:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:156 Resp: 50773
Ion Ratio Lower Upper
156 100
77 215.2 105.7 317.1
158 97.2 48.3 144.9

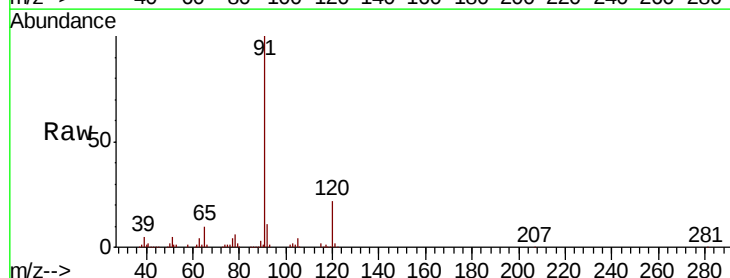


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN0
Ion 157.80 (157.50 to 158.50): V

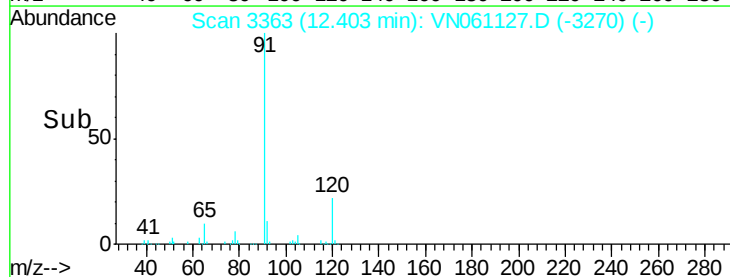
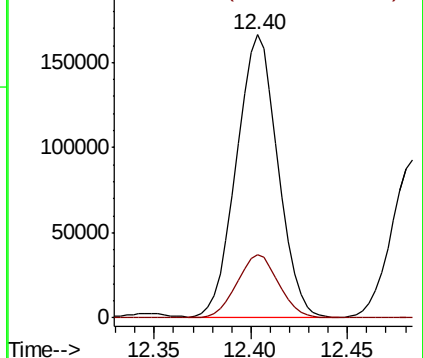


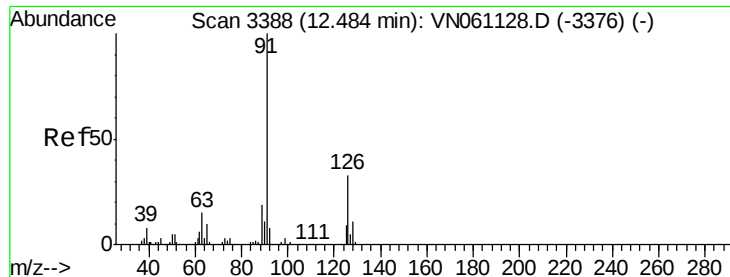
#78
n-propylbenzene
Concen: 17.826 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN061127.D
Acq: 22 Apr 2020 13:59

Tgt Ion: 91 Resp: 246282
Ion Ratio Lower Upper
91 100
120 22.4 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.632 ug/l

RT: 12.48 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VN061127.D

Acq: 22 Apr 2020 13:59

Instrument :

MSVOA_N

ClientSampled :

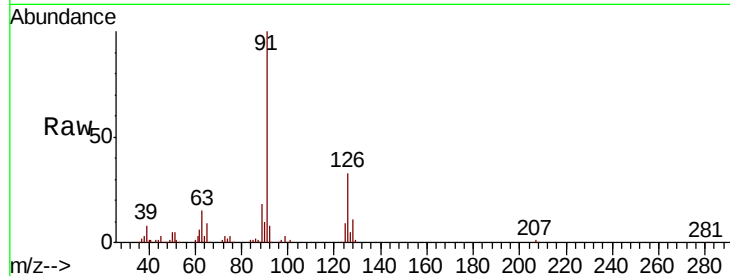
VSTDIC020

Tot Ion: 91 Resp: 142842

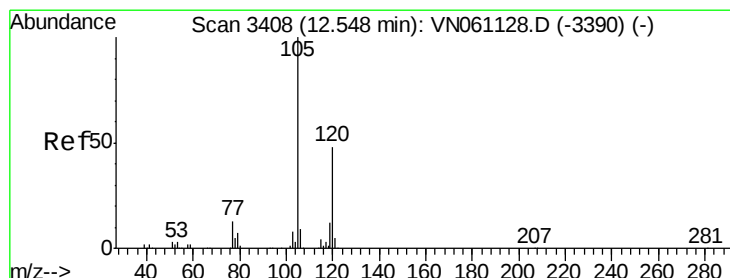
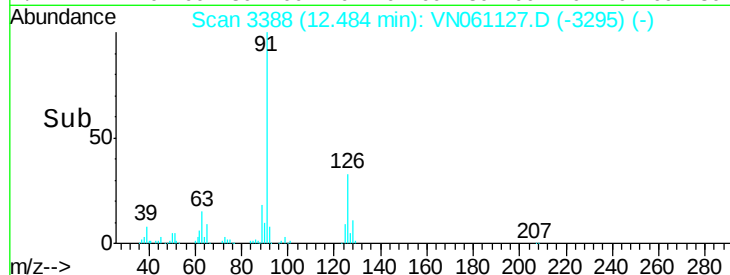
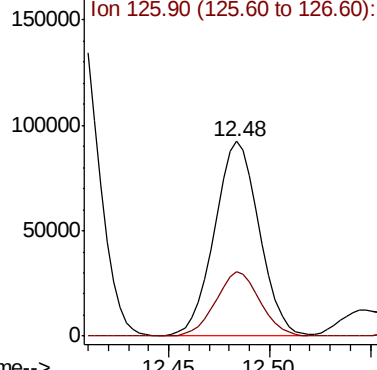
Ion Ratio Lower Upper

91 100

126 32.9 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN061127.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.061 ug/l

RT: 12.55 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN061127.D

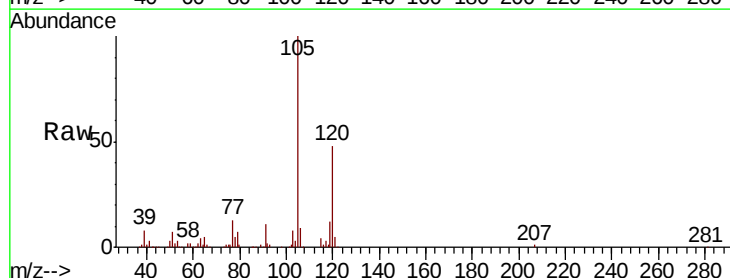
Acq: 22 Apr 2020 13:59

Tgt Ion:105 Resp: 176753

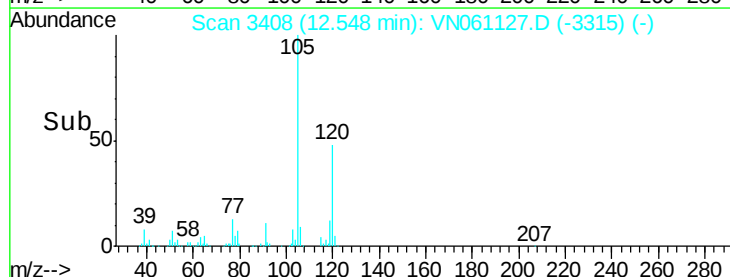
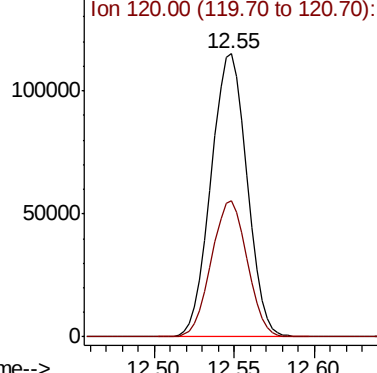
Ion Ratio Lower Upper

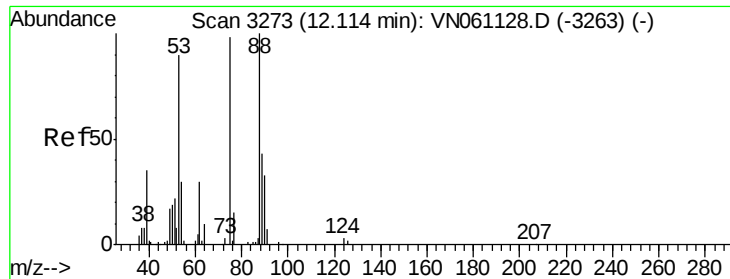
105 100

120 47.9 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): VN061127.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.582 ug/l

RT: 12.11 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN061127.D

Acq: 22 Apr 2020 13:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

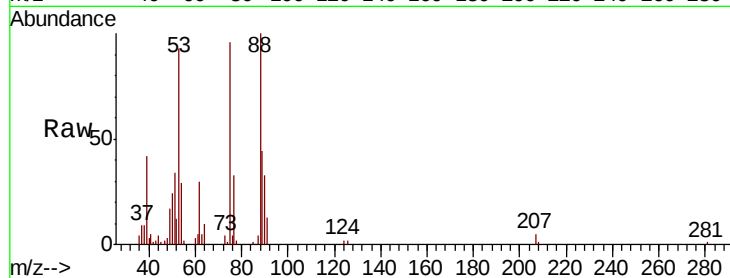
Tot Ion: 75 Resp: 23352

Ion Ratio Lower Upper

75 100

53 95.5 74.3 111.5

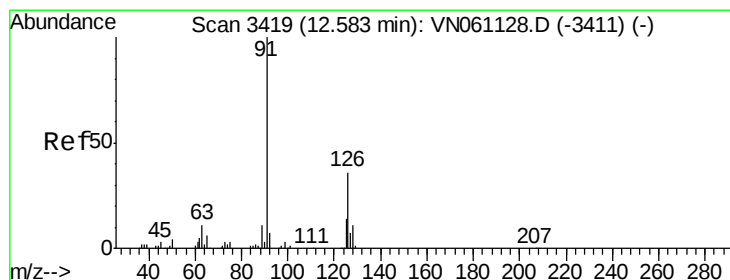
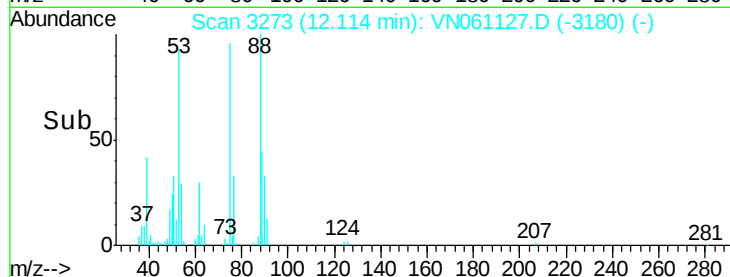
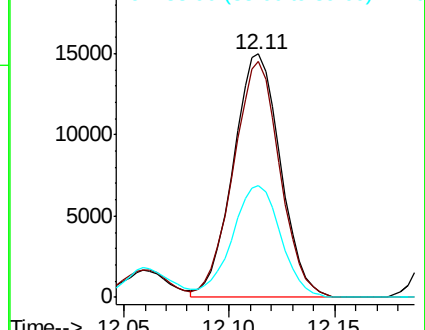
89 47.3 36.6 55.0



Abundance Ion 74.90 (74.60 to 75.60): VN061127.D (-3180) (-)

Ion 53.00 (52.70 to 53.70): VN061127.D (-3180) (-)

Ion 88.90 (88.60 to 89.60): VN061127.D (-3180) (-)



#82

4-Chlorotoluene

Concen: 17.998 ug/l

RT: 12.58 min Scan# 3419

Delta R.T. 0.00 min

Lab File: VN061127.D

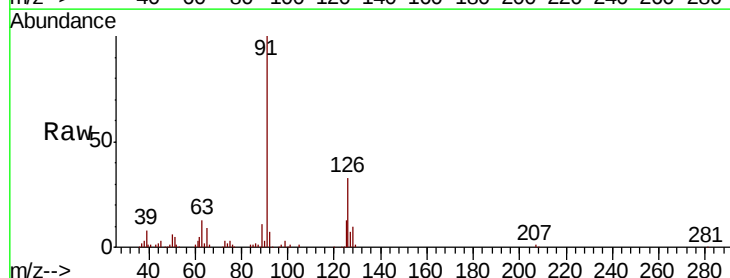
Acq: 22 Apr 2020 13:59

Tgt Ion: 91 Resp: 151316

Ion Ratio Lower Upper

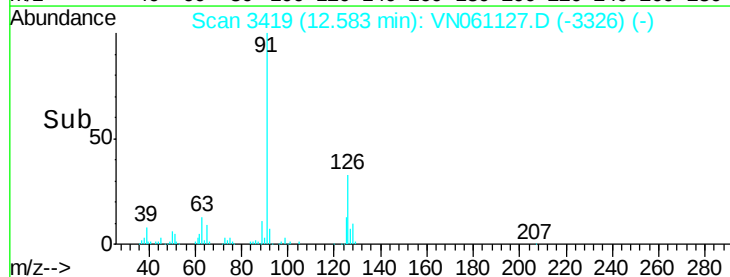
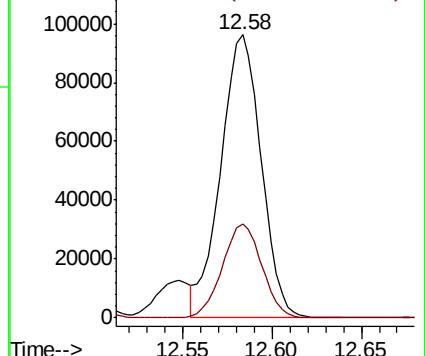
91 100

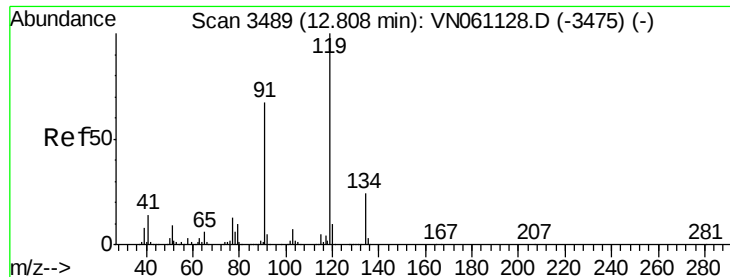
126 32.4 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VN061127.D (-3326) (-)

Ion 125.90 (125.60 to 126.60): VN061127.D (-3326) (-)





#83

tert-Butylbenzene

Concen: 17.873 ug/l

RT: 12.81 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN061127.D

Acq: 22 Apr 2020 13:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

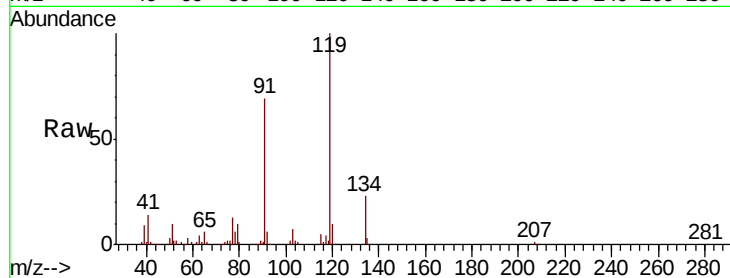
Tot Ion:119 Resp: 147602

Ion Ratio Lower Upper

119 100

91 67.5 32.8 98.4

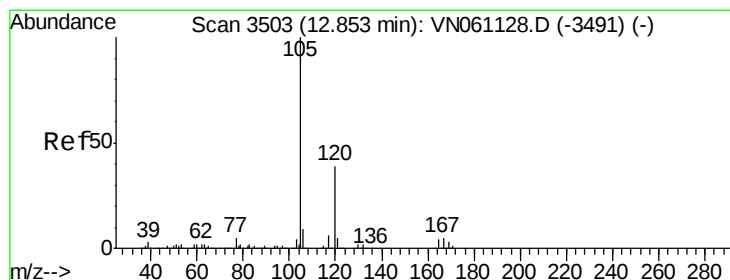
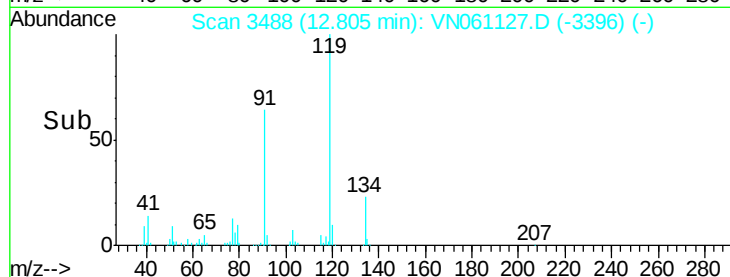
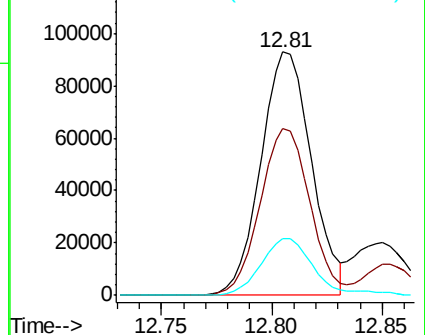
134 24.4 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 18.324 ug/l

RT: 12.85 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN061127.D

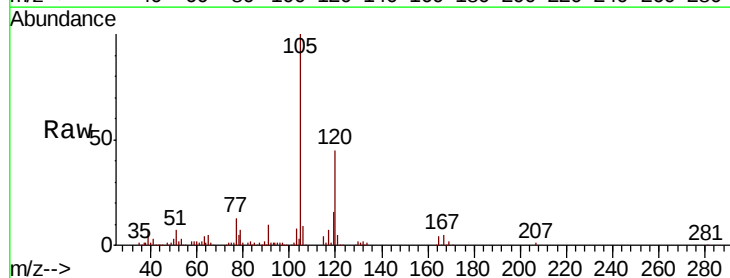
Acq: 22 Apr 2020 13:59

Tgt Ion:105 Resp: 177383

Ion Ratio Lower Upper

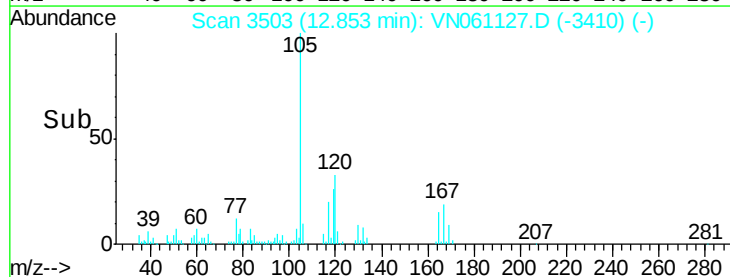
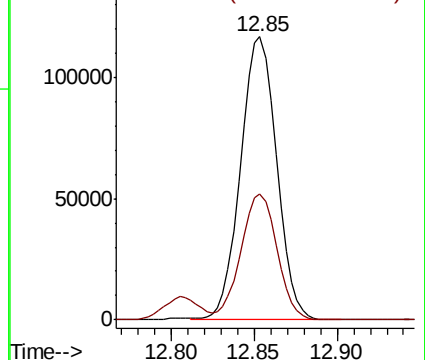
105 100

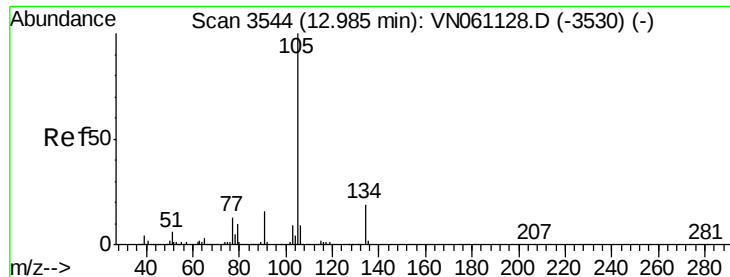
120 44.4 22.4 67.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 17.994 ug/l

RT: 12.99 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN061127.D

Acq: 22 Apr 2020 13:59

Instrument :

MSVOA_N

ClientSampled :

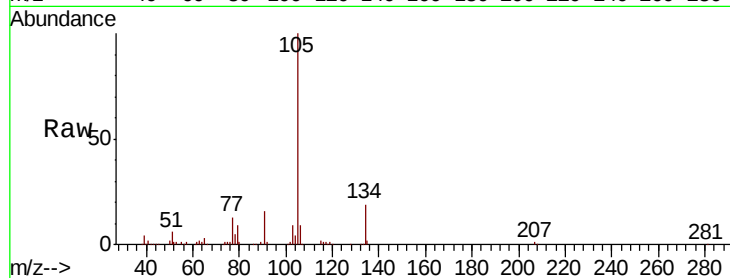
VSTDIC020

Tot Ion:105 Resp: 200628

Ion Ratio Lower Upper

105 100

134 19.1 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.99

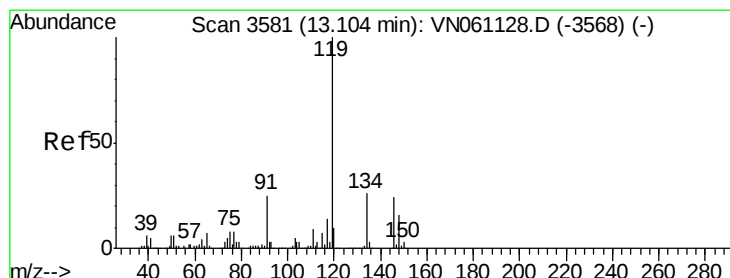
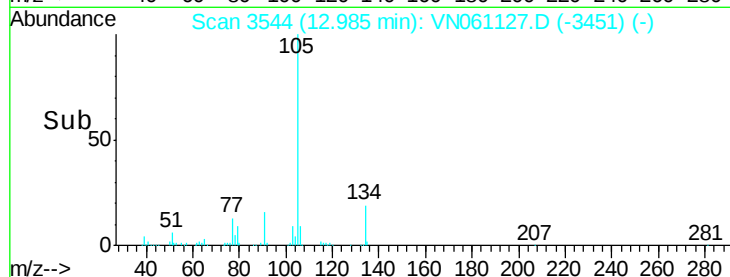
150000

100000

50000

0

Time--> 12.90 12.95 13.00 13.05



#86

p-Isopropyltoluene

Concen: 18.460 ug/l

RT: 13.10 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN061127.D

Acq: 22 Apr 2020 13:59

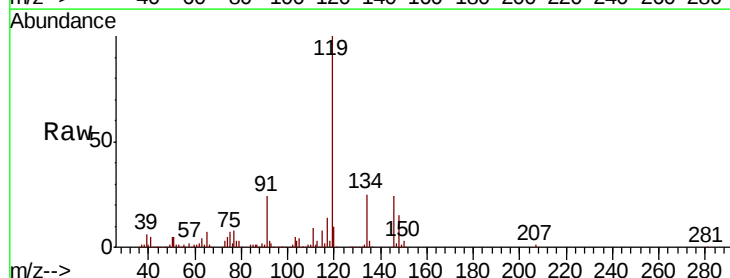
Tgt Ion:119 Resp: 183781

Ion Ratio Lower Upper

119 100

134 25.5 13.0 39.0

91 23.9 12.4 37.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.10

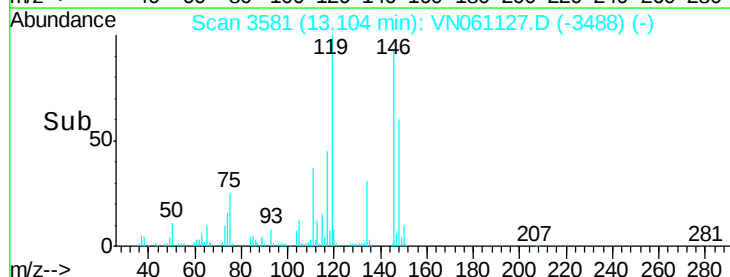
150000

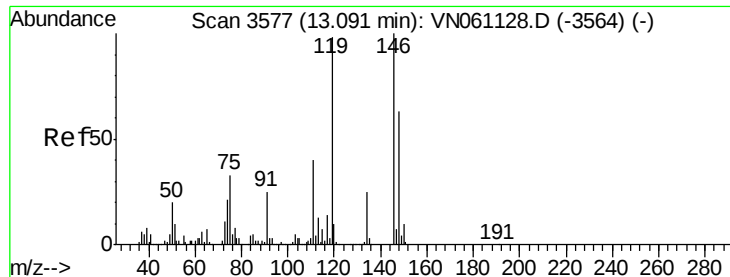
100000

50000

0

Time--> 13.10 13.20

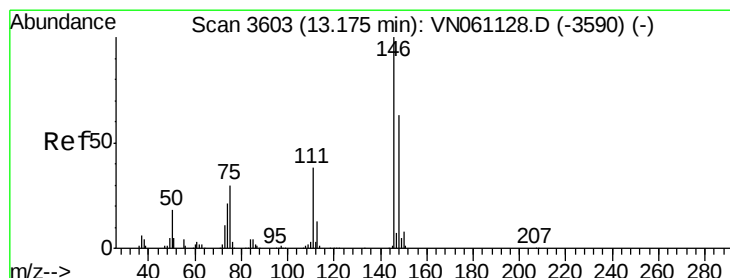
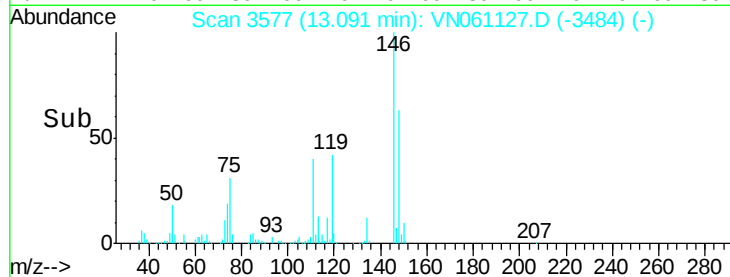
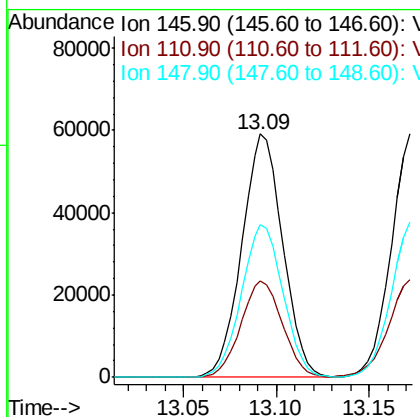
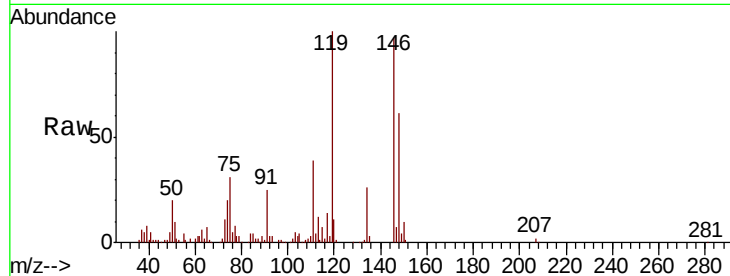




#87
 1,3-Dichlorobenzene
 Concen: 18.317 ug/l
 RT: 13.09 min Scan# 3577
 Delta R.T. 0.00 min
 Lab File: VN061127.D
 Acq: 22 Apr 2020 13:59

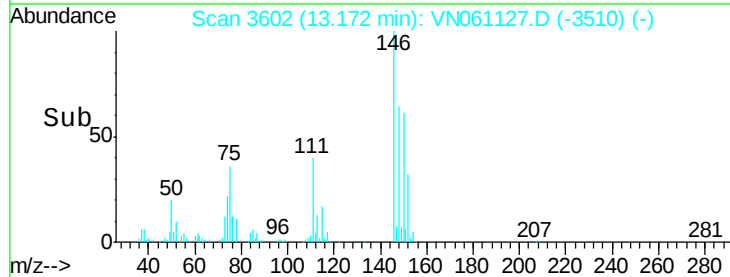
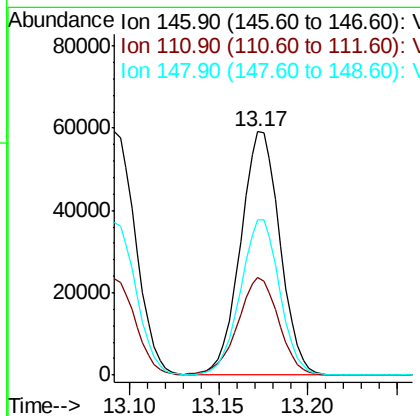
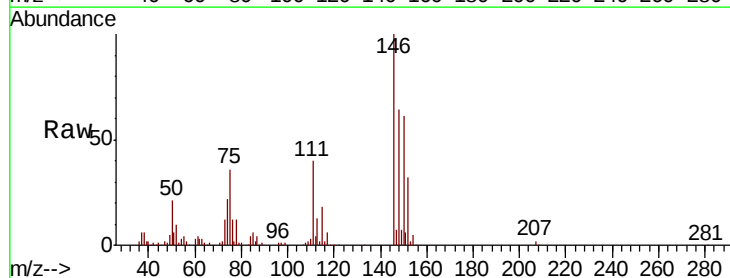
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

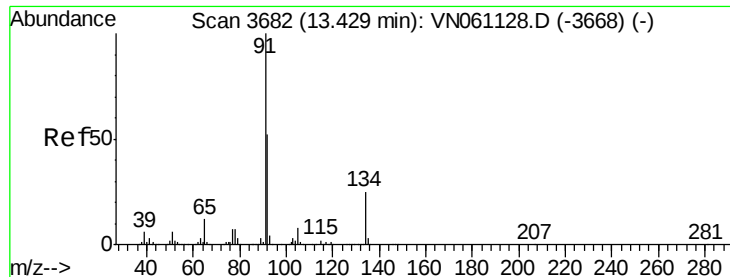
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.3	60.9
148	63.7	31.9	95.5



#88
 1,4-Dichlorobenzene
 Concen: 18.254 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. -0.00 min
 Lab File: VN061127.D
 Acq: 22 Apr 2020 13:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	19.7	59.1
148	63.7	31.8	95.3

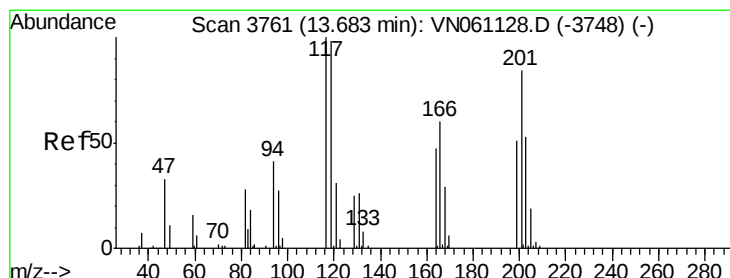
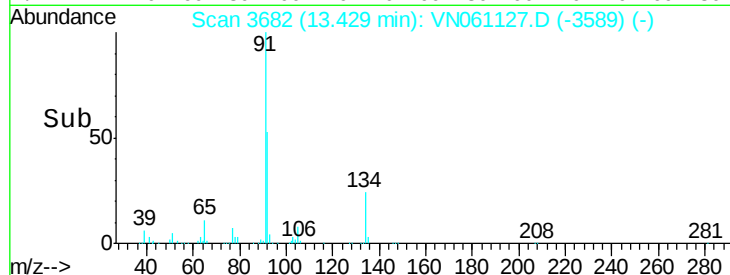
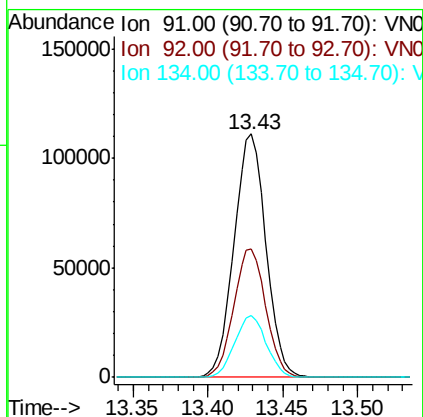
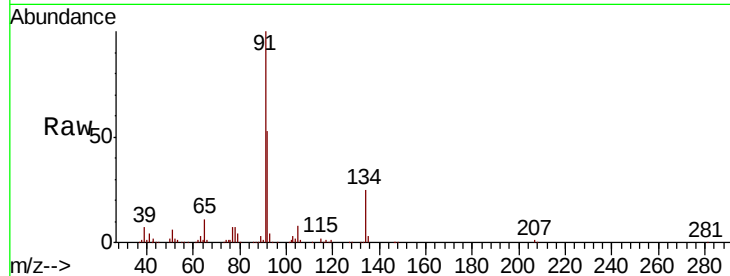




#89
n-Butylbenzene
Concen: 17.922 ug/l
RT: 13.43 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN061127.D
Acq: 22 Apr 2020 13:59

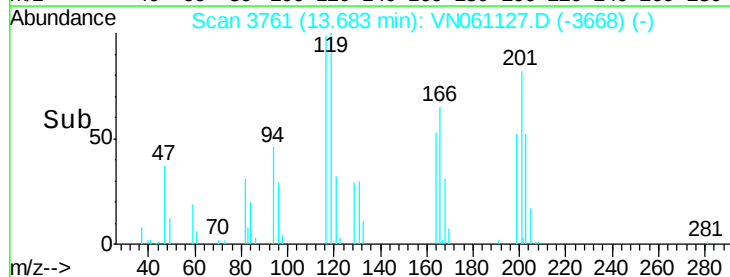
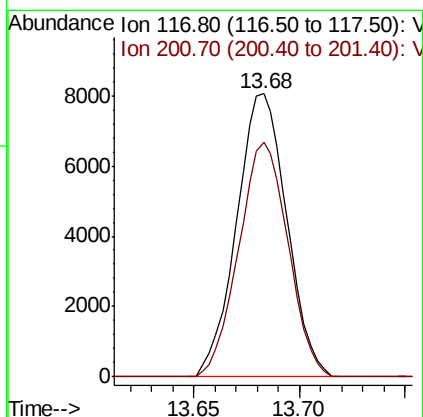
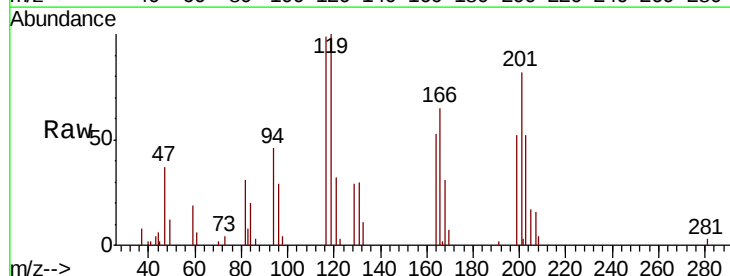
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

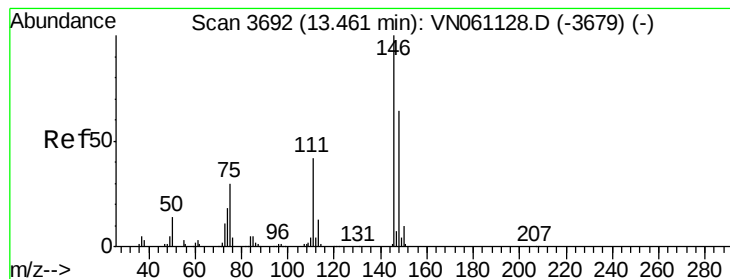
Tot Ion: 91 Resp: 165270
Ion Ratio Lower Upper
91 100
92 53.0 26.1 78.2
134 25.1 12.6 37.6



#90
Hexachloroethane
Concen: 9.318 ug/l
RT: 13.68 min Scan# 3761
Delta R.T. 0.00 min
Lab File: VN061127.D
Acq: 22 Apr 2020 13:59

Tgt Ion: 117 Resp: 13303
Ion Ratio Lower Upper
117 100
201 81.4 41.4 124.4





#91

1,2-Dichlorobenzene

Concen: 18.325 ug/l

RT: 13.46 min Scan# 3692

Delta R.T. 0.00 min

Lab File: VN061127.D

Acq: 22 Apr 2020 13:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

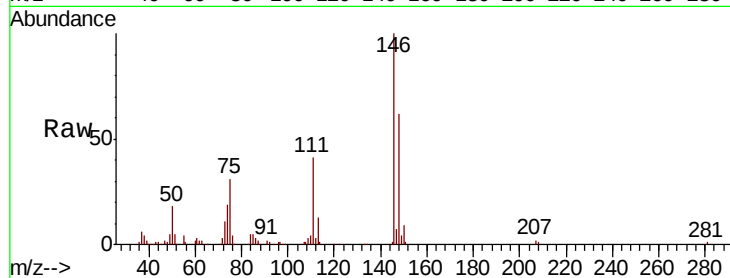
Tot Ion:146 Resp: 86333

Ion Ratio Lower Upper

146 100

111 41.0 20.8 62.2

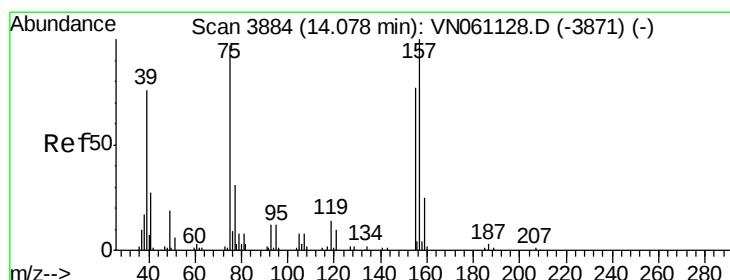
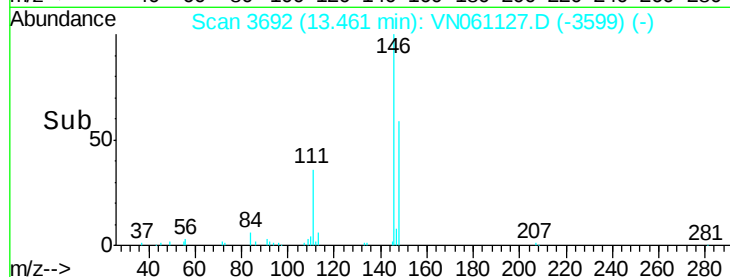
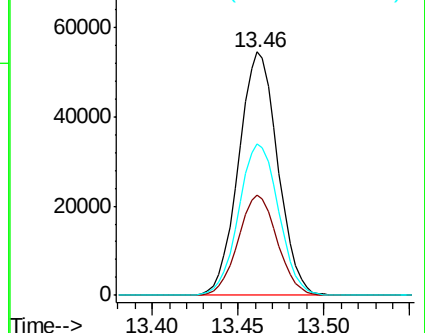
148 63.5 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.130 ug/l

RT: 14.08 min Scan# 3884

Delta R.T. 0.00 min

Lab File: VN061127.D

Acq: 22 Apr 2020 13:59

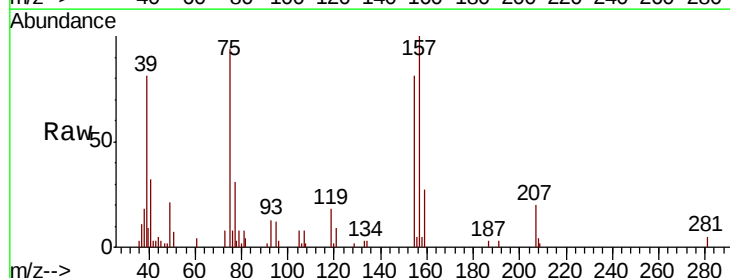
Tgt Ion: 75 Resp: 11864

Ion Ratio Lower Upper

75 100

155 85.6 40.3 120.9

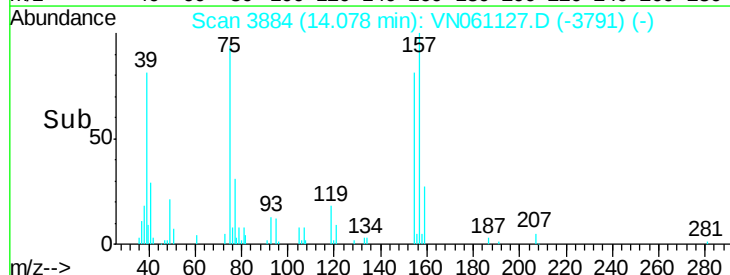
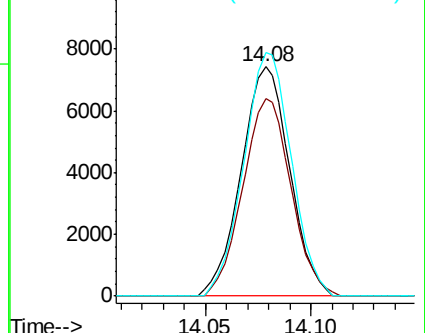
157 104.3 51.6 154.8

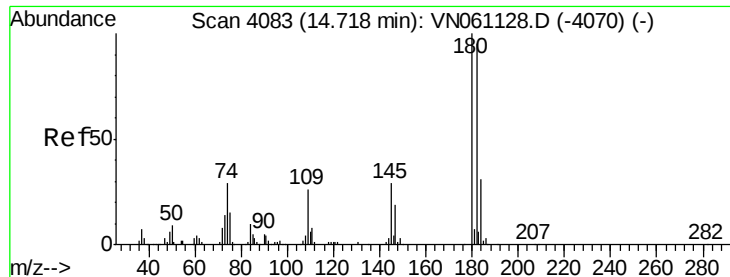


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

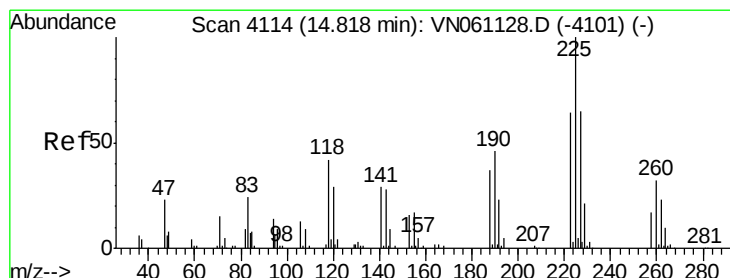
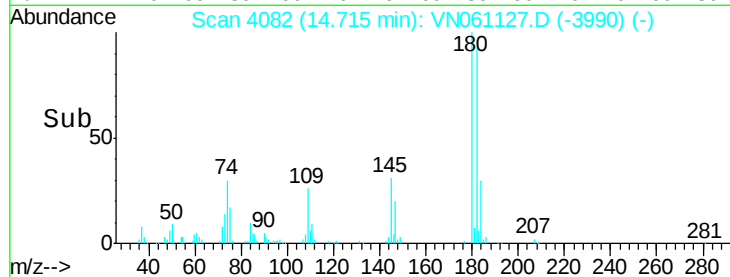
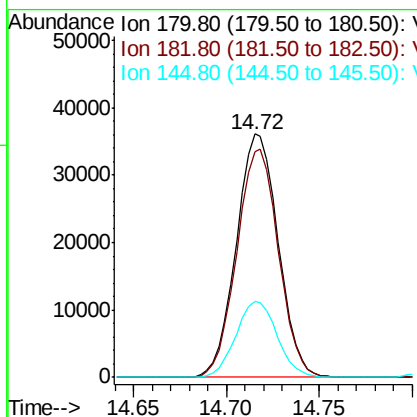
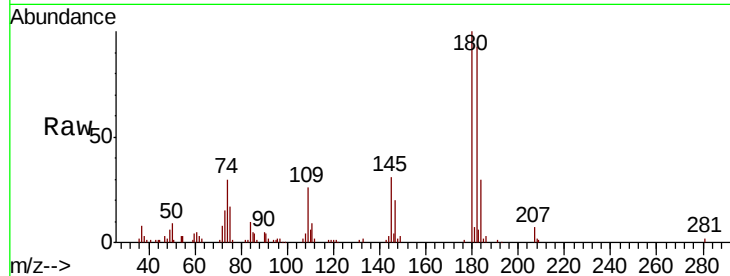




#93
 1,2,4-Trichlorobenzene
 Concen: 20.169 ug/l
 RT: 14.72 min Scan# 4082
 Delta R.T. -0.00 min
 Lab File: VN061127.D
 Acq: 22 Apr 2020 13:59

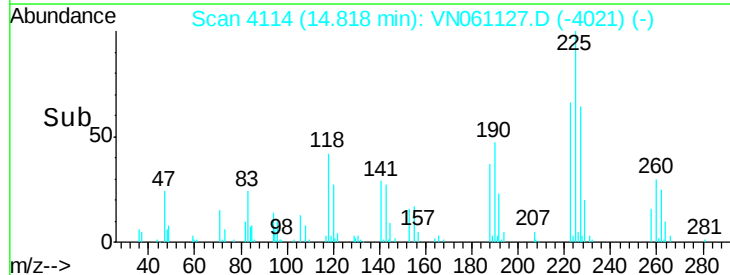
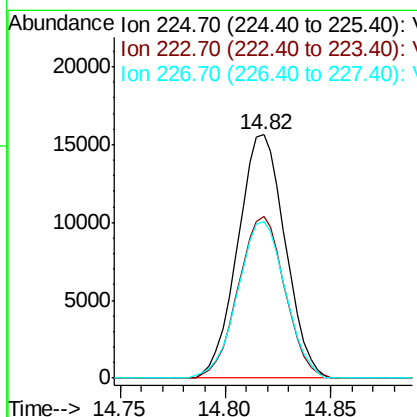
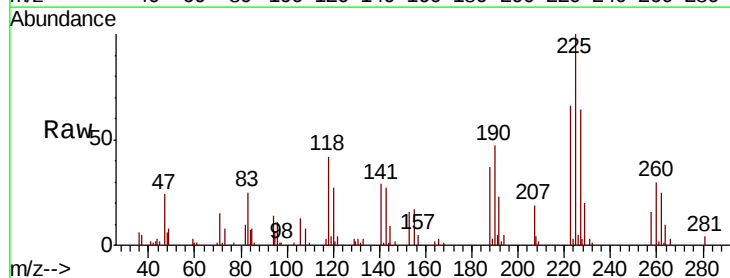
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

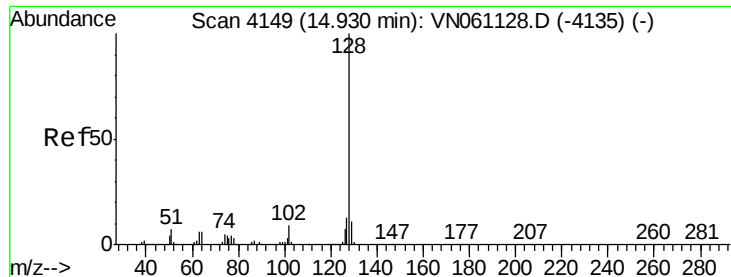
Tot Ion:180 Resp: 56732
 Ion Ratio Lower Upper
 180 100
 182 93.2 47.9 143.7
 145 30.7 15.2 45.5



#94
 Hexachlorobutadiene
 Concen: 17.227 ug/l
 RT: 14.82 min Scan# 4114
 Delta R.T. 0.00 min
 Lab File: VN061127.D
 Acq: 22 Apr 2020 13:59

Tgt Ion:225 Resp: 24402
 Ion Ratio Lower Upper
 225 100
 223 65.2 31.6 95.0
 227 64.7 32.0 96.2





#95

Naphthalene

Concen: 21.071 ug/l

RT: 14.93 min Scan# 4149

Delta R.T. 0.00 min

Lab File: VN061127.D

Acq: 22 Apr 2020 13:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

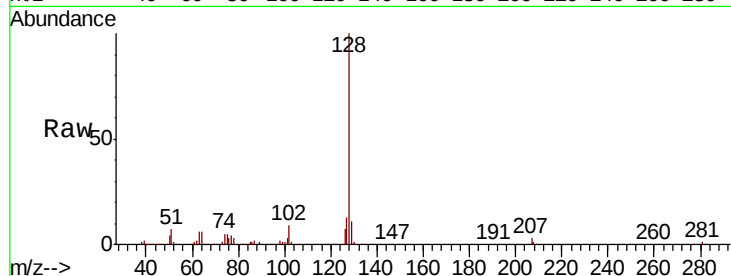
Tot Ion:128 Resp: 175249

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

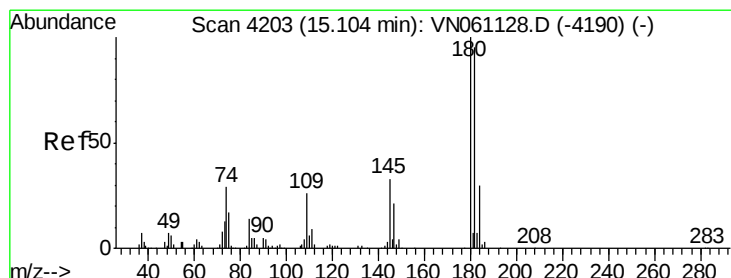
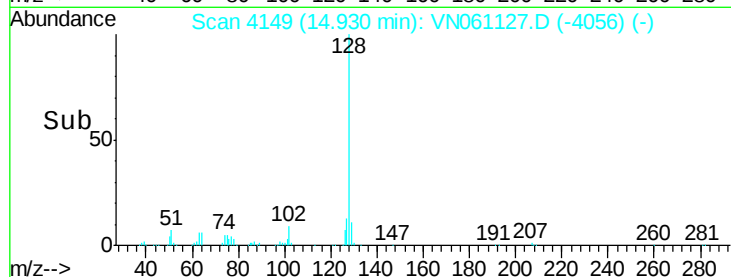
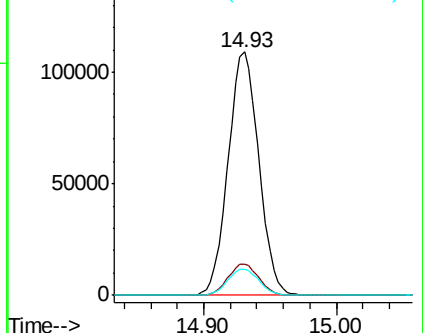
129 10.9 8.6 12.8



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



#96

1,2,3-Trichlorobenzene

Concen: 20.067 ug/l

RT: 15.10 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN061127.D

Acq: 22 Apr 2020 13:59

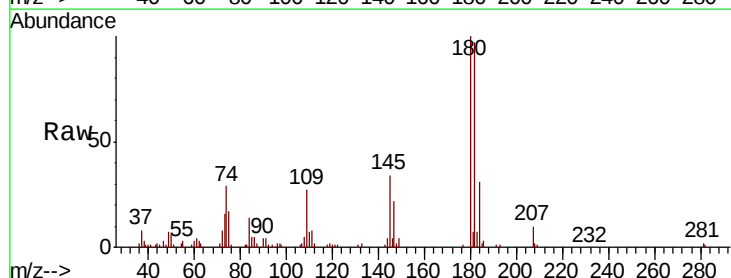
Tgt Ion:180 Resp: 54428

Ion Ratio Lower Upper

180 100

182 96.4 47.7 143.1

145 33.4 16.3 48.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

