

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
 Data File : VN061427.D
 Acq On : 18 May 2020 11:14
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: May 18 12:33:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 12:26:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	256340	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	467761	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	428963	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	178176	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	21135	5.37	ug/l	0.00
Spiked Amount			Recovery	=	10.74%	
35) Dibromofluoromethane	7.55	113	14301	6.08	ug/l	0.00
Spiked Amount			Recovery	=	12.16%	
50) Toluene-d8	10.06	98	57477	4.95	ug/l	0.00
Spiked Amount			Recovery	=	9.90%	
62) 4-Bromofluorobenzene	12.38	95	20290	4.74	ug/l	0.00
Spiked Amount			Recovery	=	9.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	11327	5.462	ug/l	100
3) Chloromethane	2.03	50	20511	5.064	ug/l	99
4) Vinyl Chloride	2.16	62	29716	4.789	ug/l	99
5) Bromomethane	2.54	94	17573	5.226	ug/l	90
6) Chloroethane	2.67	64	20120	4.571	ug/l	100
7) Trichlorofluoromethane	2.98	101	35202	4.622	ug/l	96
8) Diethyl Ether	3.37	74	10415	6.067	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	14741	6.076	ug/l	98
10) Methyl Iodide	3.91	142	17210	5.699	ug/l	99
11) Tert butyl alcohol	4.73	59	13286	44.776	ug/l #	79
12) 1,1-Dichloroethene	3.69	96	14983	5.766	ug/l	96
13) Acrolein	3.57	56	12577	37.439	ug/l	95
14) Allyl chloride	4.27	41	25085	5.446	ug/l	96
15) Acrylonitrile	4.93	53	39049	30.812	ug/l	98
16) Acetone	3.77	43	32123	32.350	ug/l	100
17) Carbon Disulfide	4.01	76	42396	6.340	ug/l	96
18) Methyl Acetate	4.28	43	16738	5.760	ug/l #	72
19) Methyl tert-butyl Ether	4.99	73	58852	5.785	ug/l	99
20) Methylene Chloride	4.50	84	18022	5.750	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	17246	5.488	ug/l	95
22) Diisopropyl ether	5.90	45	56436	5.507	ug/l	94
23) Vinyl Acetate	5.84	43	225090	26.984	ug/l	98
24) 1,1-Dichloroethane	5.80	63	33014	5.641	ug/l	99
25) 2-Butanone	6.79	43	52200	31.757	ug/l	97
26) 2,2-Dichloropropane	6.77	77	31513	6.288	ug/l	80
27) cis-1,2-Dichloroethene	6.78	96	20661	5.662	ug/l	99
28) Bromochloromethane	7.15	49	12263	4.772	ug/l #	95
29) Tetrahydrofuran	7.17	42	34381	30.812	ug/l	96
30) Chloroform	7.33	83	33804	5.503	ug/l	96
31) Cyclohexane	7.62	56	35105	6.110	ug/l #	86
32) 1,1,1-Trichloroethane	7.53	97	30557	5.589	ug/l	97
36) 1,1-Dichloropropene	7.75	75	24240	5.194	ug/l	98
37) Ethyl Acetate	6.88	43	21966	5.646	ug/l	97
38) Carbon Tetrachloride	7.73	117	21712	5.427	ug/l	97

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 Data File : VN061427.D
 Acq On : 18 May 2020 11:14
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: May 18 12:33:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 12:26:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	29396	5.293	ug/l	95
40) Benzene	8.00	78	75411	5.490	ug/l	98
41) Methacrylonitrile	7.17	41	32394	17.944	ug/l #	28
42) 1,2-Dichloroethane	8.08	62	27135	5.496	ug/l	98
43) Isopropyl Acetate	8.12	43	40477	5.411	ug/l #	90
44) Trichloroethene	8.80	130	19669	5.542	ug/l	98
45) 1,2-Dichloropropane	9.08	63	19244	5.562	ug/l	98
46) Dibromomethane	9.17	93	13121	5.640	ug/l	98
47) Bromodichloromethane	9.37	83	27534	5.451	ug/l	98
48) Methyl methacrylate	9.17	41	18582	5.490	ug/l	94
49) 1,4-Dioxane	9.17	88	4353	198.264	ug/l #	91
51) 4-Methyl-2-Pentanone	9.95	43	111687	27.728	ug/l	98
52) Toluene	10.12	92	47196	5.413	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	30164	5.461	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	31611	5.426	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	18699	5.765	ug/l	97
56) Ethyl methacrylate	10.40	69	27081	5.106	ug/l	95
57) 1,3-Dichloropropane	10.68	76	31361	5.549	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	53930	24.074	ug/l	98
59) 2-Hexanone	10.72	43	78061	28.290	ug/l	97
60) Dibromochloromethane	10.87	129	19145	5.309	ug/l	98
61) 1,2-Dibromoethane	10.98	107	18449	5.407	ug/l	97
64) Tetrachloroethene	10.60	164	18160	5.407	ug/l	95
65) Chlorobenzene	11.41	112	48955	5.499	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	17341	5.518	ug/l	96
67) Ethyl Benzene	11.48	91	90928	5.513	ug/l	100
68) m/p-Xylenes	11.59	106	65327	10.544	ug/l	96
69) o-Xylene	11.92	106	31791	5.290	ug/l	97
70) Styrene	11.94	104	50352	4.990	ug/l	98
71) Bromoform	12.10	173	11448	5.172	ug/l #	99
73) Isopropylbenzene	12.22	105	88033	6.070	ug/l	98
74) N-amyl acetate	12.05	43	32895	5.800	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.48	83	25188	6.093	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	33168	8.913	ug/l #	100
77) Bromobenzene	12.50	156	17785	5.603	ug/l	89
78) n-propylbenzene	12.57	91	98028	5.799	ug/l	100
79) 2-Chlorotoluene	12.65	91	58248	5.877	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	69429	5.721	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	8289	5.825	ug/l	99
82) 4-Chlorotoluene	12.75	91	57298	5.502	ug/l	99
83) tert-Butylbenzene	12.97	119	60219	5.816	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	67260	5.554	ug/l	99
85) sec-Butylbenzene	13.15	105	81667	5.844	ug/l	98
86) p-Isopropyltoluene	13.26	119	70076	5.776	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	32990	5.732	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	31933	5.402	ug/l	92
89) n-Butylbenzene	13.59	91	61094	5.550	ug/l	99
90) Hexachloroethane	13.85	117	9006	5.388	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	30953	5.625	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	4763	5.993	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
Data File : VN061427.D
Acq On : 18 May 2020 11:14
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: May 18 12:33:36 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
Quant Title : SW846 8260
QLast Update : Mon May 18 12:26:39 2020
Response via : Initial Calibration

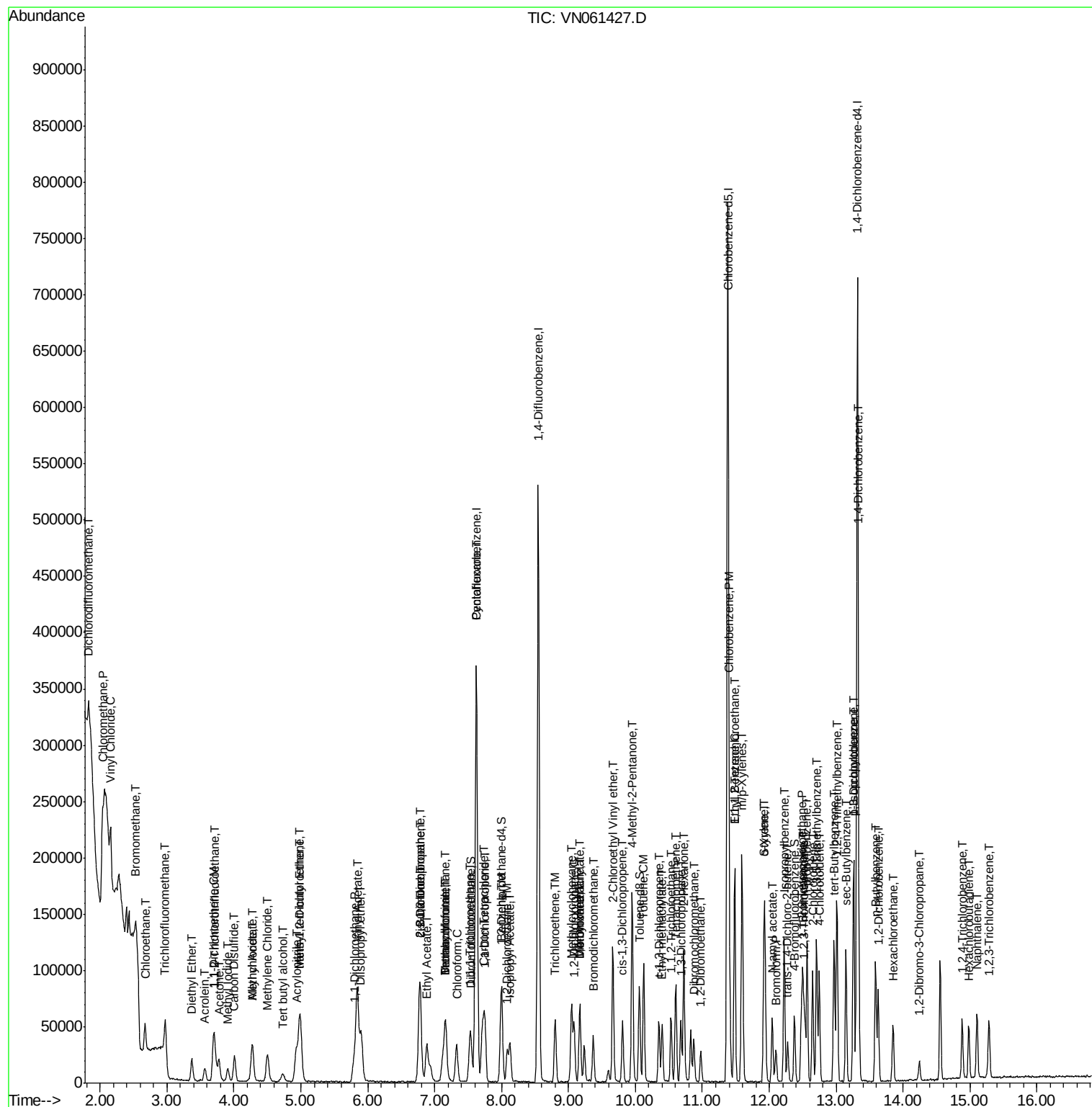
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	15573	5.162	ug/l	97
94) Hexachlorobutadiene	14.98	225	7331	6.310	ug/l	96
95) Naphthalene	15.10	128	47592	4.871	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	15411	5.111	ug/l	99

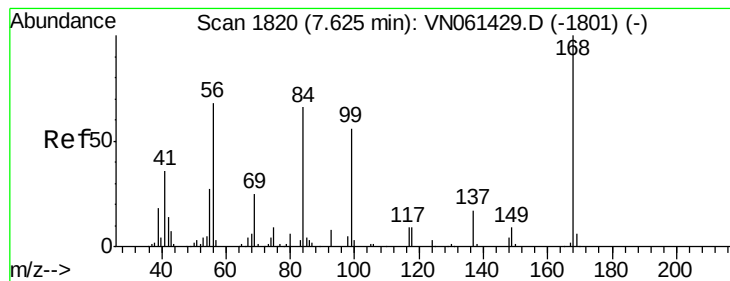
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN051820\
 Data File : VN061427.D
 Acq On : 18 May 2020 11:14
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: May 18 12:33:36 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 12:26:39 2020
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

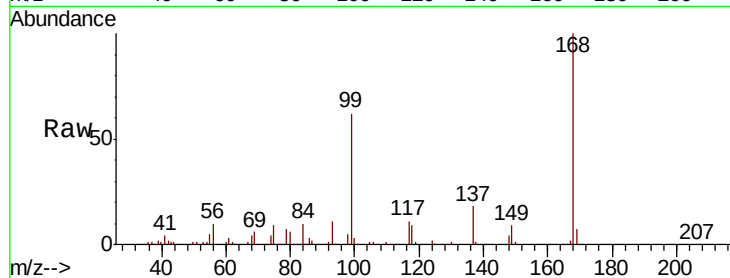
VSTDIC005

Tot Ion:168 Resp: 256340

Ion Ratio Lower Upper

168 100

99 61.9 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

120000

100000

80000

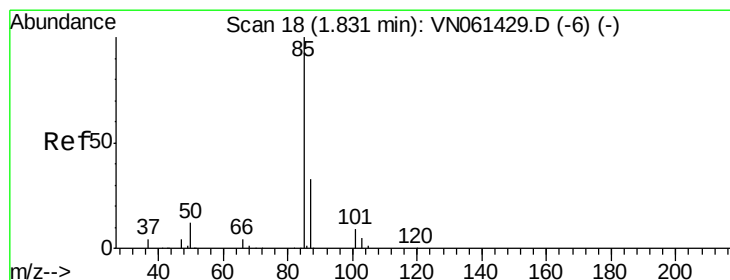
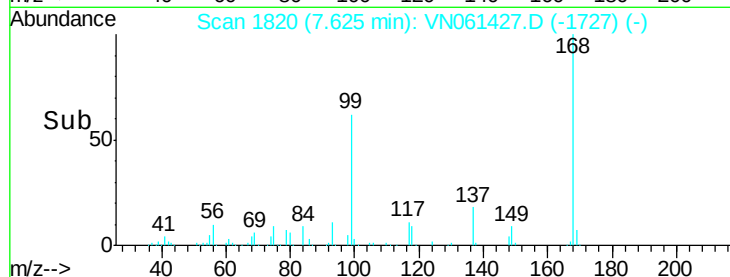
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 5.462 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN061427.D

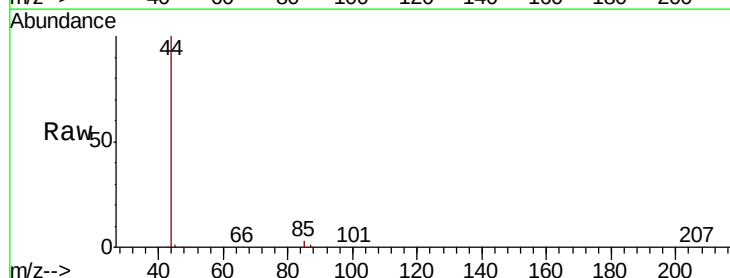
Acq: 18 May 2020 11:14

Tgt Ion: 85 Resp: 11327

Ion Ratio Lower Upper

85 100

87 32.5 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

10000

8000

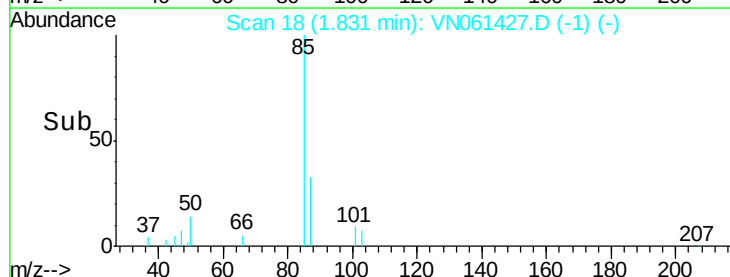
6000

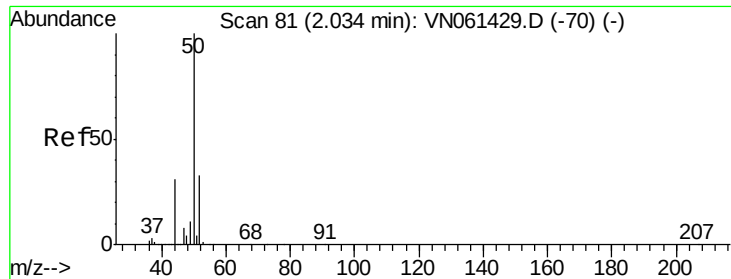
4000

2000

0

Time--> 1.80 1.85





#3

Chloromethane

Concen: 5.064 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

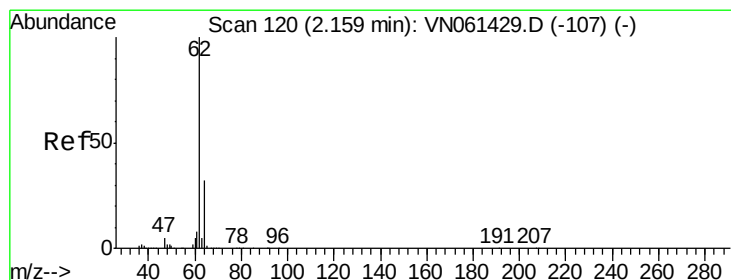
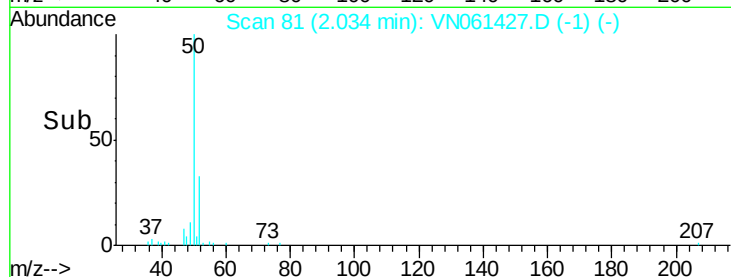
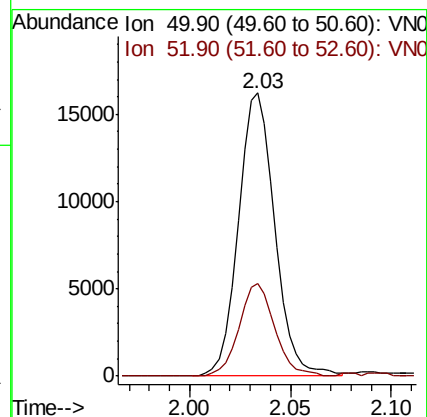
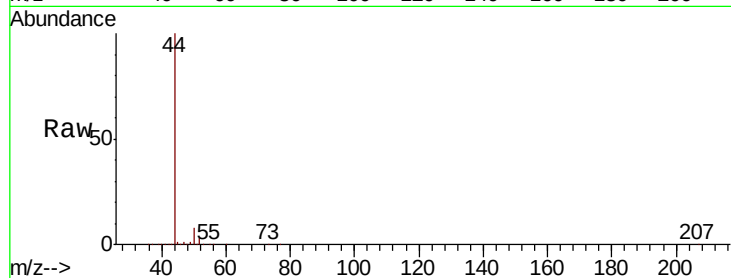
VSTDIC005

Tot Ion: 50 Resp: 20511

Ion Ratio Lower Upper

50 100

52 32.8 26.7 40.1



#4

Vinyl Chloride

Concen: 4.789 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061427.D

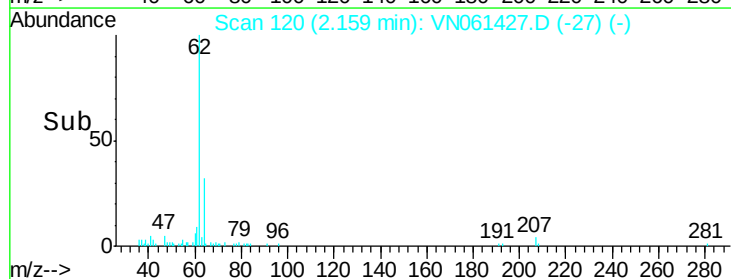
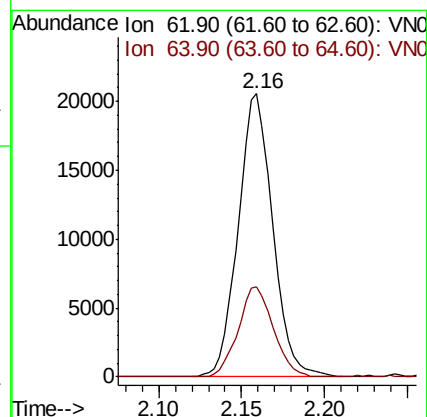
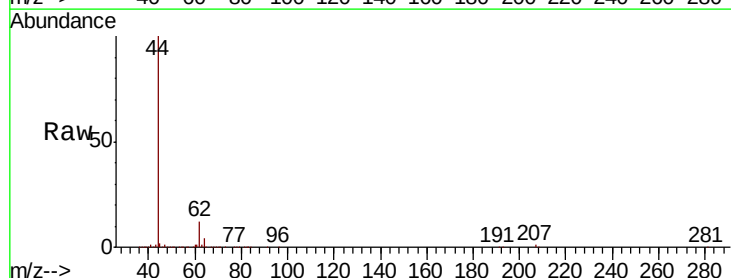
Acq: 18 May 2020 11:14

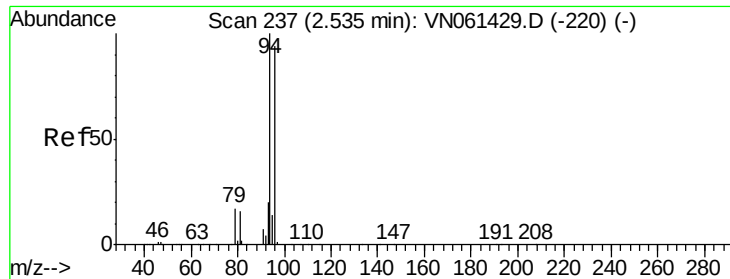
Tgt Ion: 62 Resp: 29716

Ion Ratio Lower Upper

62 100

64 31.9 25.3 37.9





#5

Bromomethane

Concen: 5.226 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

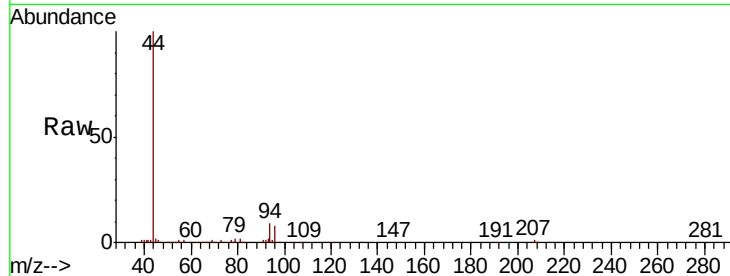
VSTDIC005

Tot Ion: 94 Resp: 17573

Ion Ratio Lower Upper

94 100

96 83.8 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

10000

8000

6000

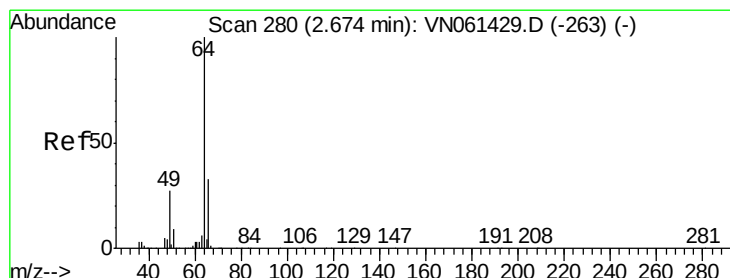
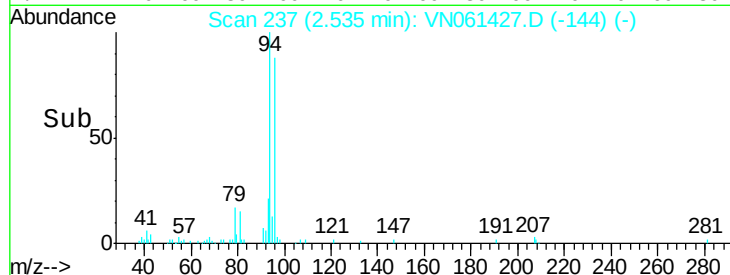
4000

2000

0

Time-->

2.45 2.50 2.55 2.60



#6

Chloroethane

Concen: 4.571 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.00 min

Lab File: VN061427.D

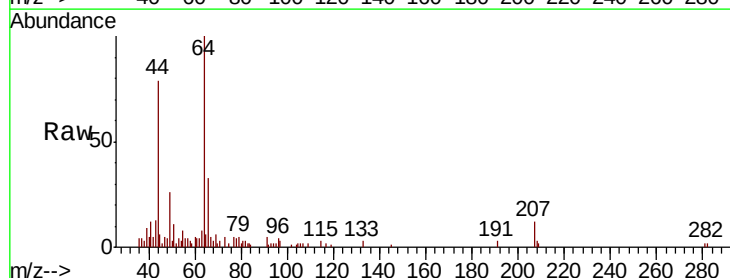
Acq: 18 May 2020 11:14

Tgt Ion: 64 Resp: 20120

Ion Ratio Lower Upper

64 100

66 32.7 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.67

12000

10000

8000

6000

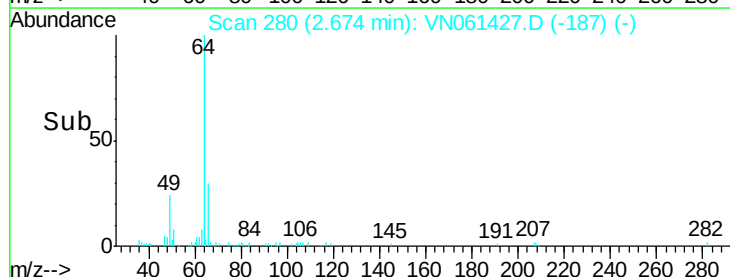
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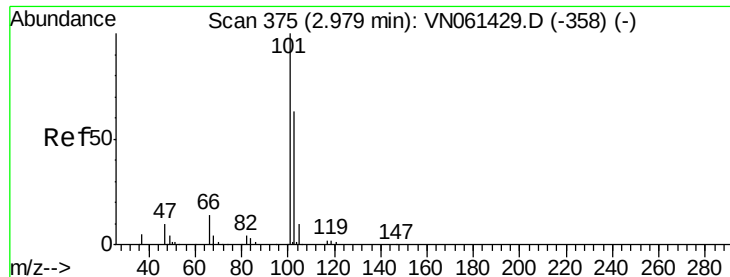
2000

0

Time-->

2.60 2.65 2.70 2.75



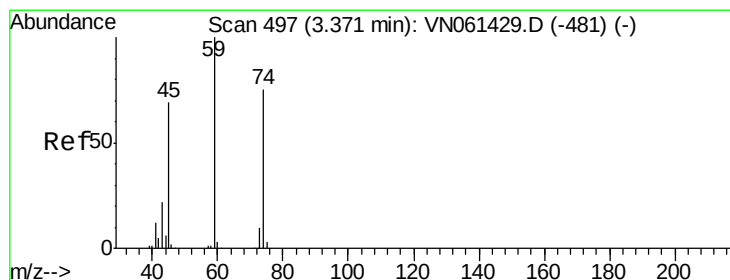
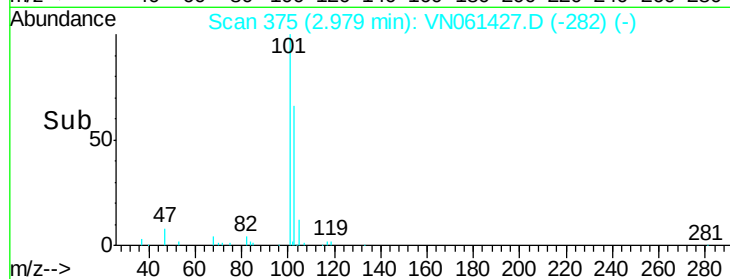
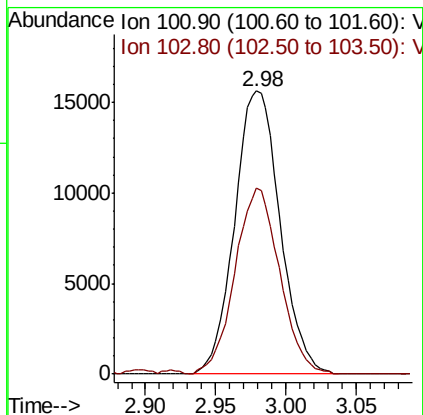
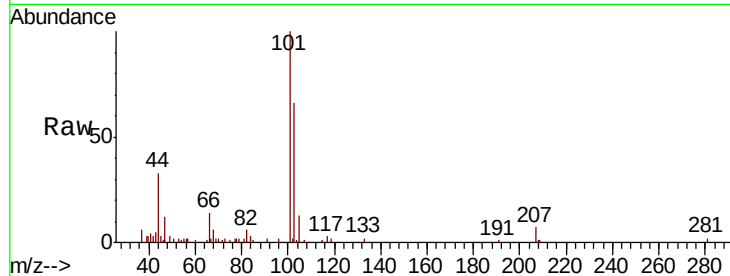


#7

Trichlorofluoromethane
 Concen: 4.622 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. -0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

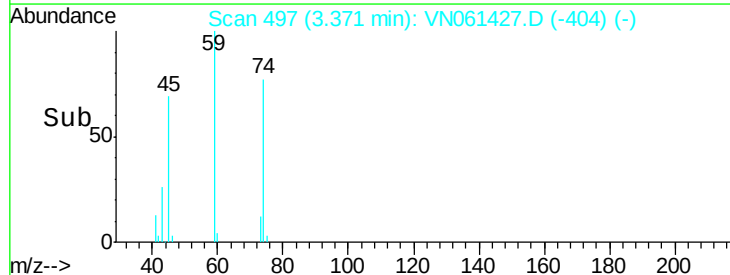
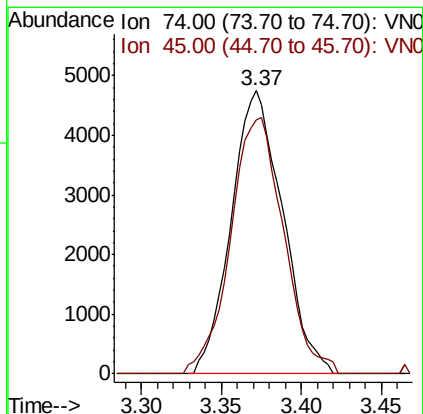
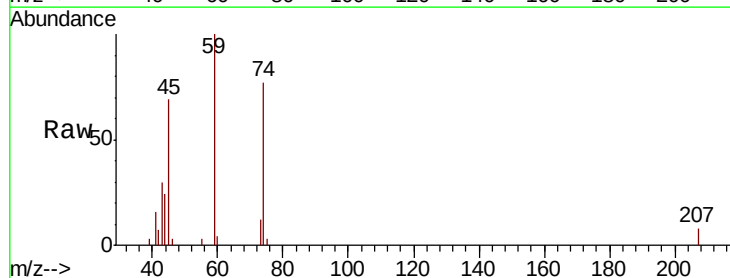
Tot Ion:101 Resp: 35202
 Ion Ratio Lower Upper
 101 100
 103 65.8 50.2 75.4

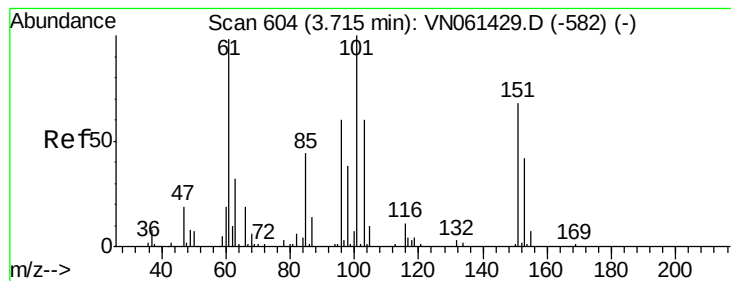


#8

Diethyl Ether
 Concen: 6.067 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

Tgt Ion: 74 Resp: 10415
 Ion Ratio Lower Upper
 74 100
 45 93.5 45.7 137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.076 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

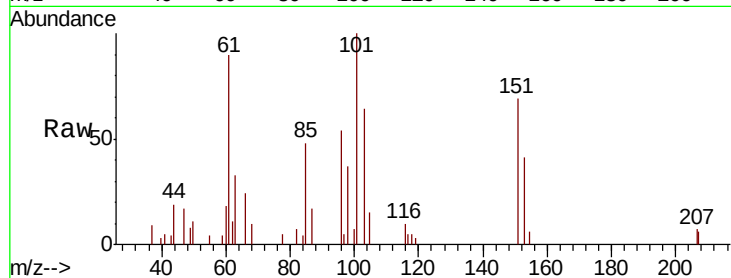
Tot Ion:101 Resp: 14741

Ion Ratio Lower Upper

101 100

85 46.5 36.6 55.0

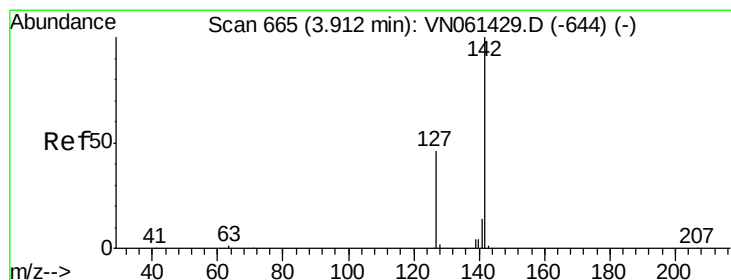
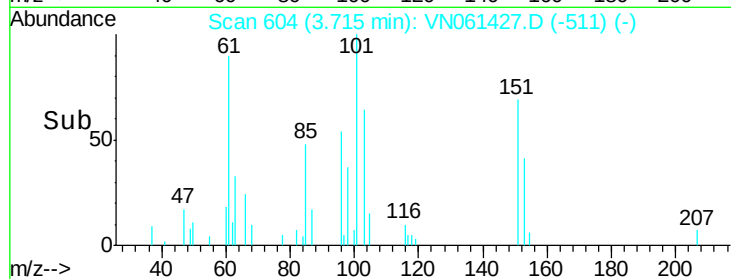
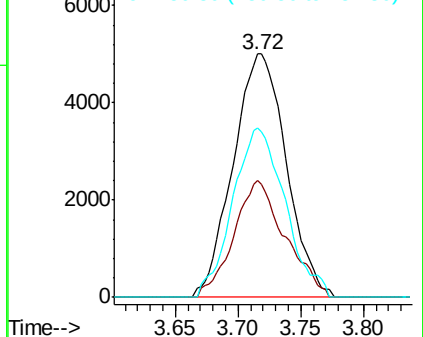
151 68.8 56.3 84.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 5.699 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

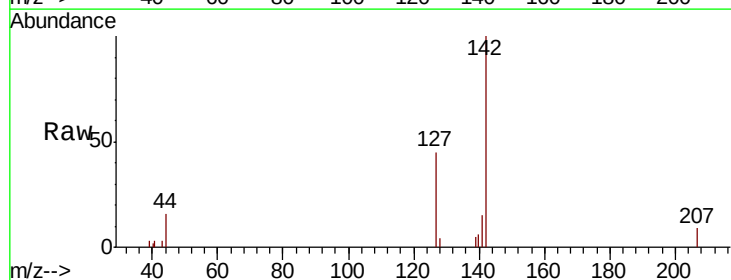
Tgt Ion:142 Resp: 17210

Ion Ratio Lower Upper

142 100

127 45.4 36.7 55.1

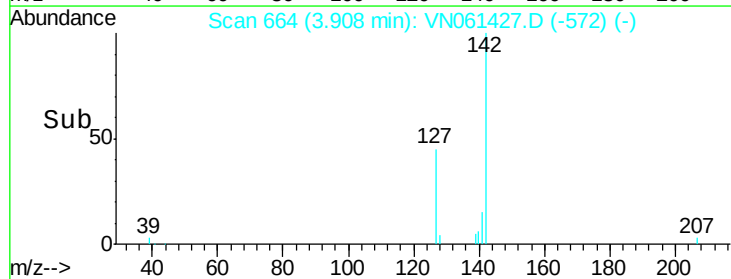
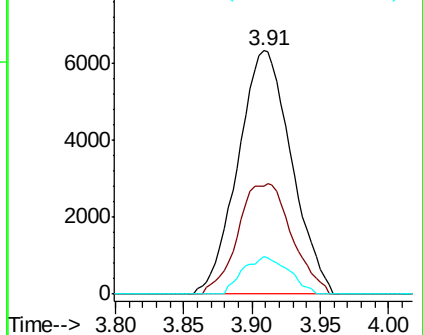
141 13.1 11.5 17.3

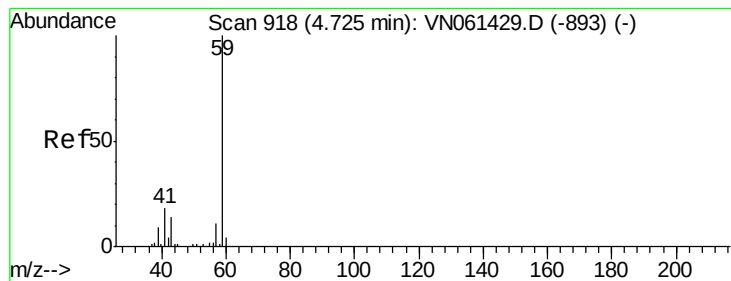


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 44.776 ug/l

RT: 4.73 min Scan# 919

Delta R.T. 0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

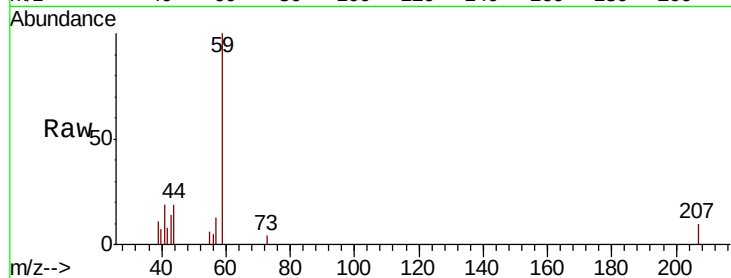
VSTDIC005

Tot Ion: 59 Resp: 13286

Ion Ratio Lower Upper

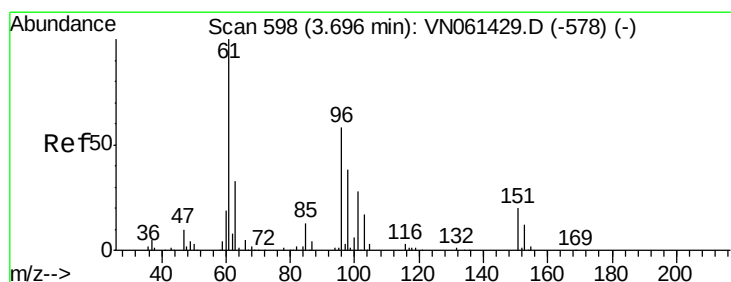
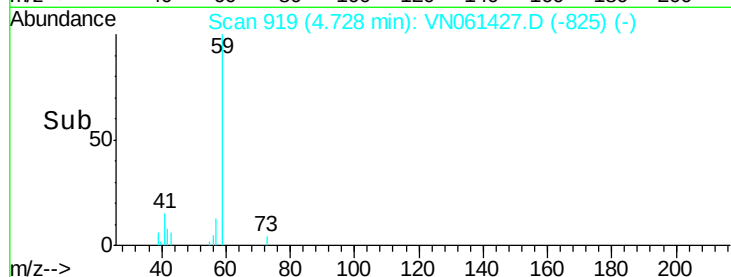
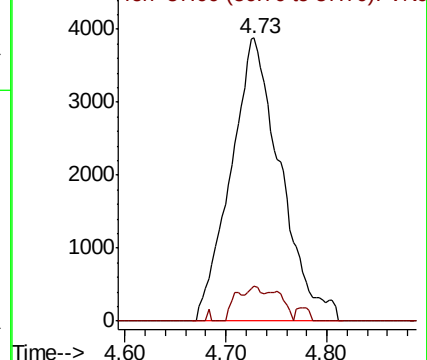
59 100

57 2.3 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 5.766 ug/l

RT: 3.69 min Scan# 597

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

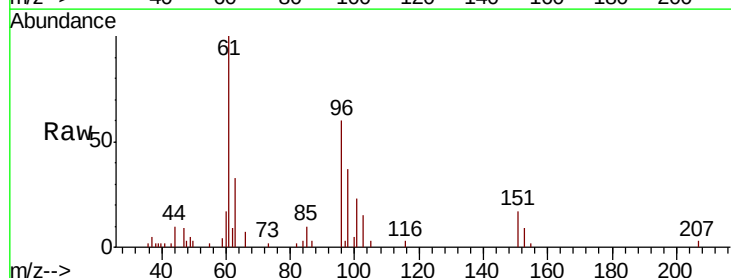
Tgt Ion: 96 Resp: 14983

Ion Ratio Lower Upper

96 100

61 167.8 138.7 208.1

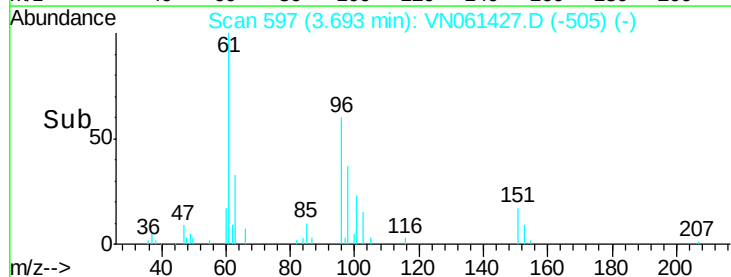
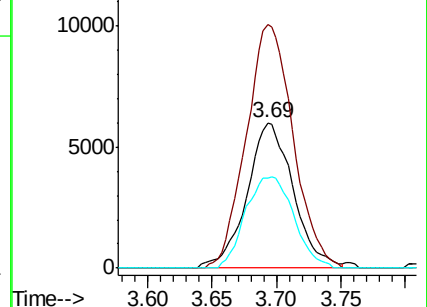
98 62.0 53.0 79.6

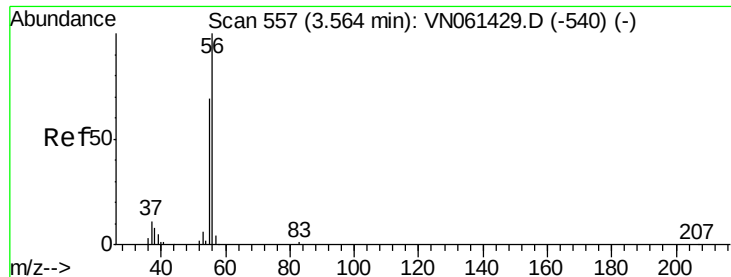


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 37.439 ug/l

RT: 3.57 min Scan# 559

Delta R.T. 0.01 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

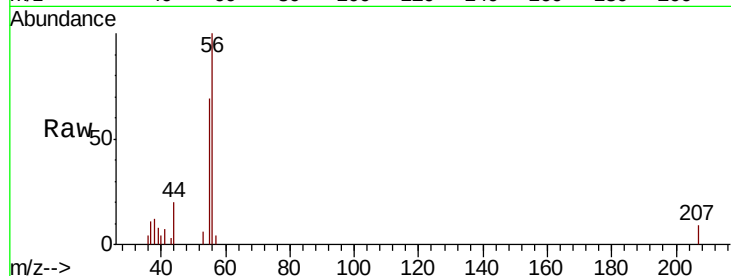
VSTDIC005

Tot Ion: 56 Resp: 12577

Ion Ratio Lower Upper

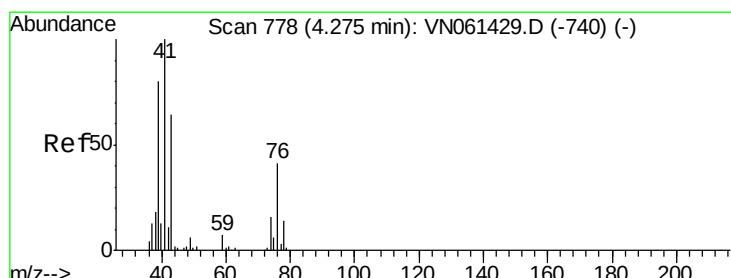
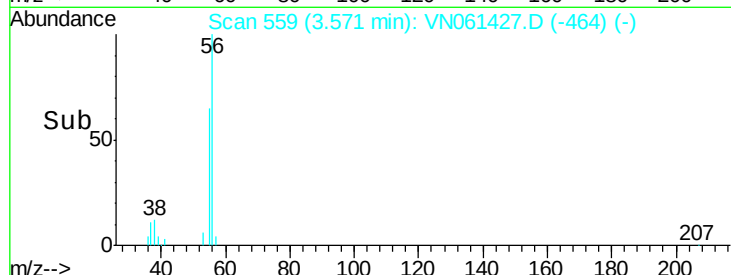
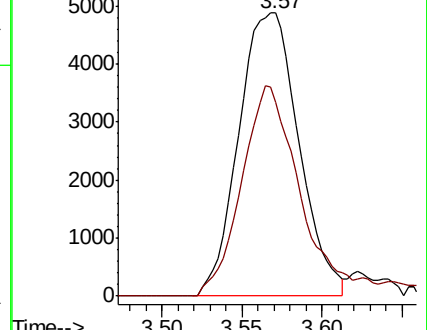
56 100

55 72.8 54.8 82.2



Abundance Ion 56.00 (55.70 to 56.70): VN061427.D (-540) (-)

Ion 55.00 (54.70 to 55.70): VN061427.D (-540) (-)



#14

Allyl chloride

Concen: 5.446 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

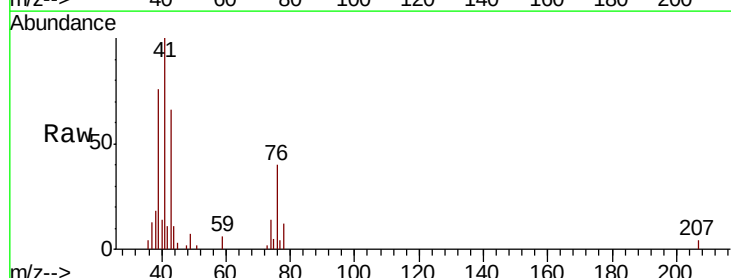
Tgt Ion: 41 Resp: 25085

Ion Ratio Lower Upper

41 100

39 72.6 61.2 91.8

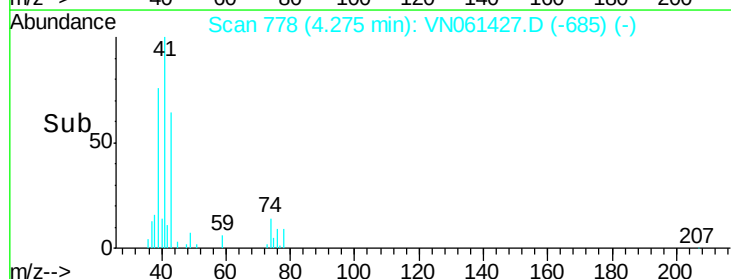
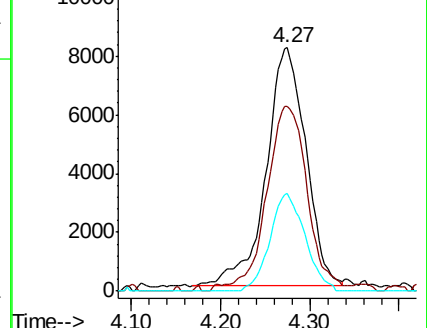
76 36.3 29.9 44.9

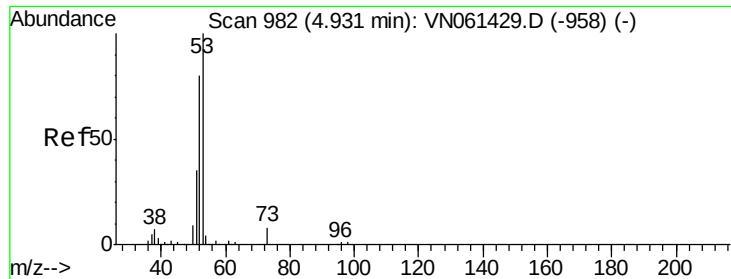


Abundance Ion 41.00 (40.70 to 41.70): VN061427.D (-685) (-)

Ion 39.00 (38.70 to 39.70): VN061427.D (-685) (-)

Ion 75.90 (75.60 to 76.60): VN061427.D (-685) (-)





#15

Acrylonitrile

Concen: 30.812 ug/l

RT: 4.93 min Scan# 982

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

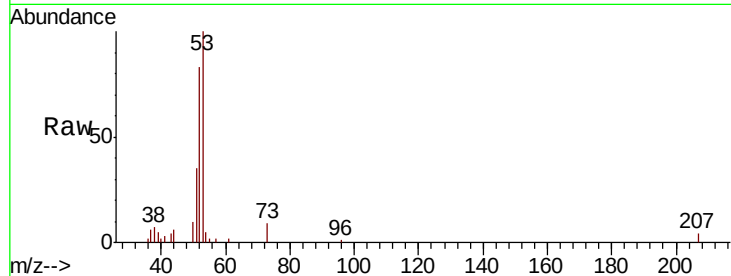
Tot Ion: 53 Resp: 39049

Ion Ratio Lower Upper

53 100

52 80.3 64.7 97.1

51 34.8 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VN061427.D (-889) (-)

Ion 52.00 (51.70 to 52.70): VN061427.D (-889) (-)

Ion 51.00 (50.70 to 51.70): VN061427.D (-889) (-)

4.93

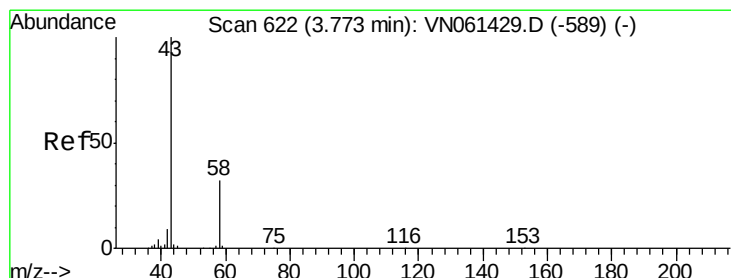
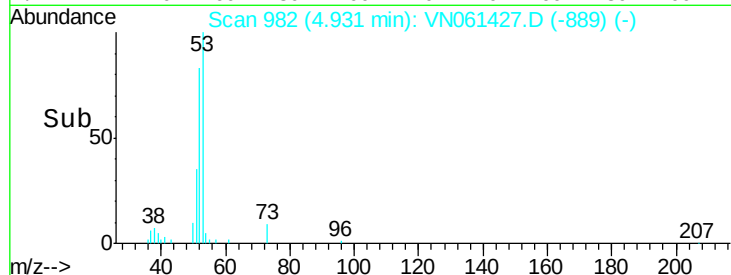
15000

10000

5000

0

Time-->



#16

Acetone

Concen: 32.350 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.00 min

Lab File: VN061427.D

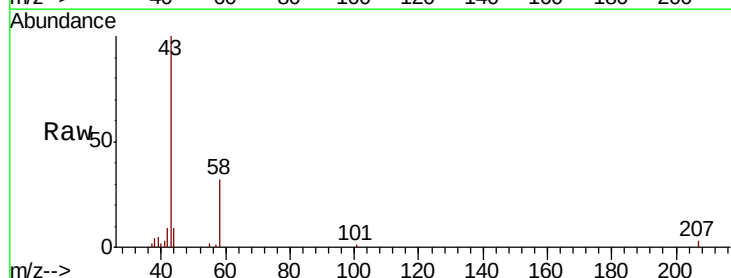
Acq: 18 May 2020 11:14

Tgt Ion: 43 Resp: 32123

Ion Ratio Lower Upper

43 100

58 32.1 25.6 38.4



Abundance Ion 43.00 (42.70 to 43.70): VN061427.D (-529) (-)

Ion 58.00 (57.70 to 58.70): VN061427.D (-529) (-)

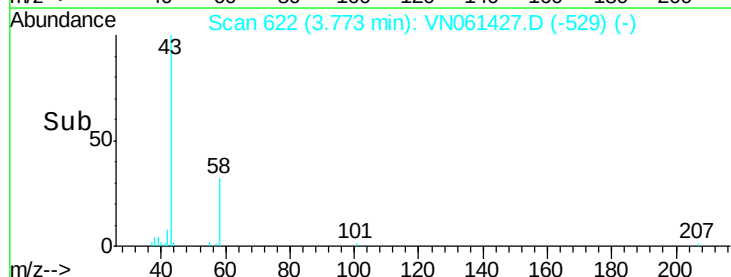
3.77

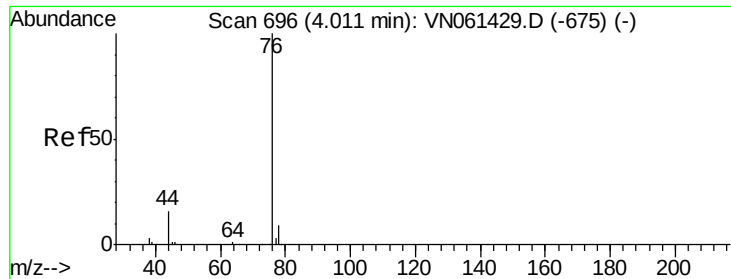
10000

5000

0

Time-->





#17

Carbon Disulfide

Concen: 6.340 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

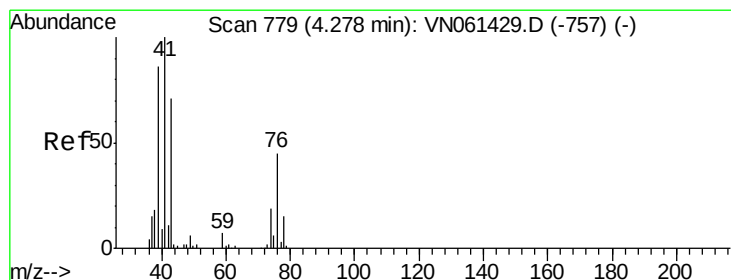
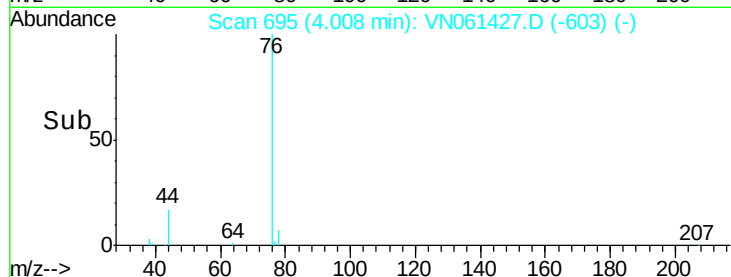
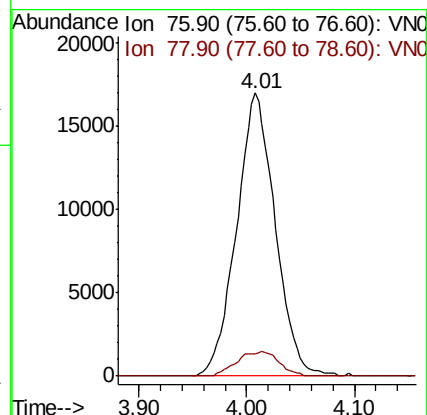
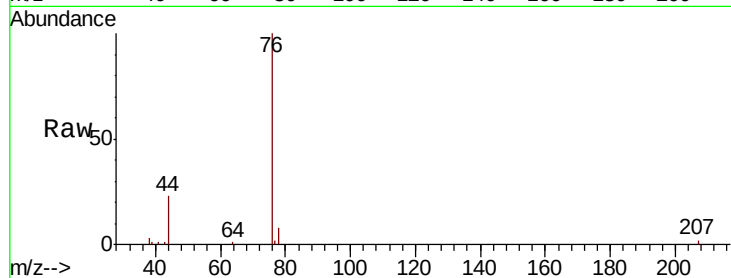
VSTDIC005

Tot Ion: 76 Resp: 42396

Ion Ratio Lower Upper

76 100

78 7.9 7.4 11.0



#18

Methyl Acetate

Concen: 5.760 ug/l

RT: 4.28 min Scan# 779

Delta R.T. -0.00 min

Lab File: VN061427.D

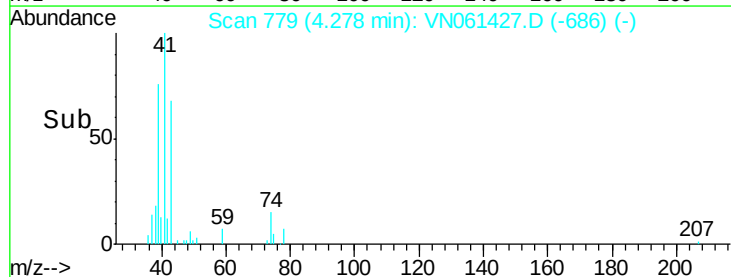
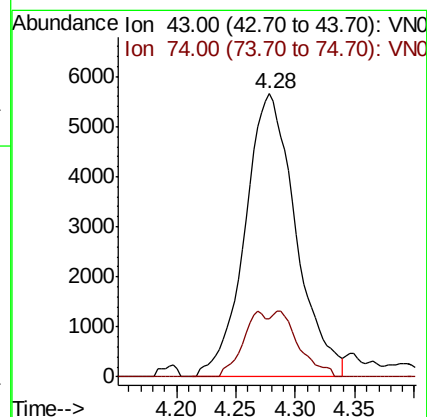
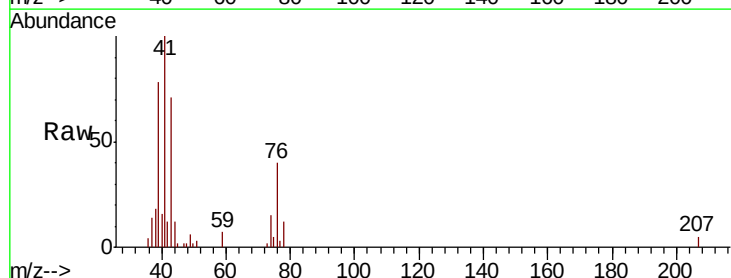
Acq: 18 May 2020 11:14

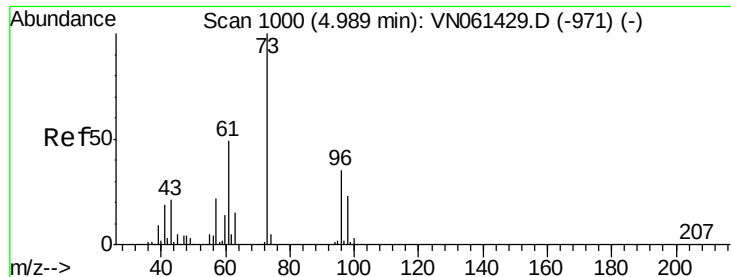
Tgt Ion: 43 Resp: 16738

Ion Ratio Lower Upper

43 100

74 11.7 20.8 31.2#

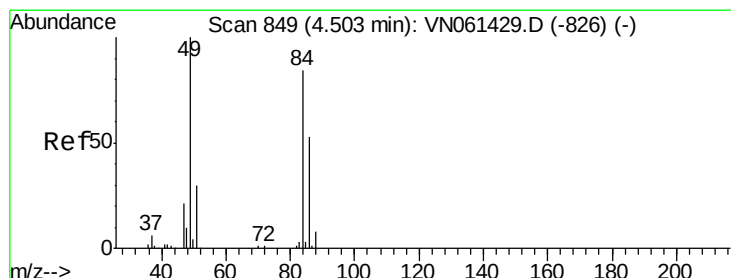
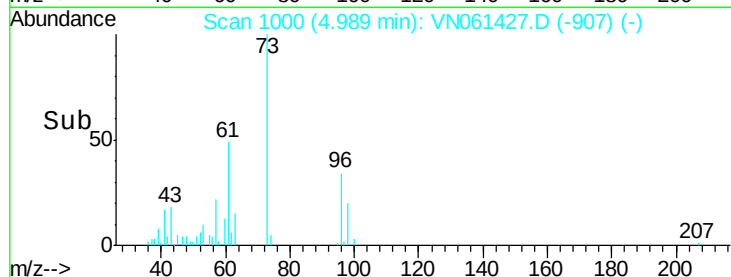
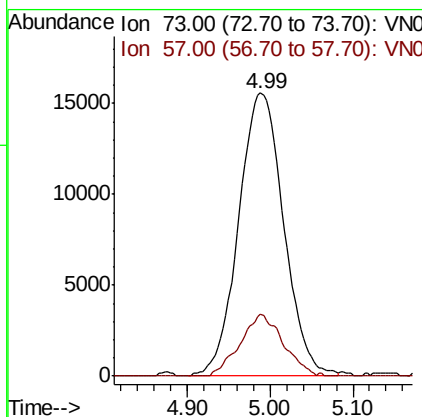
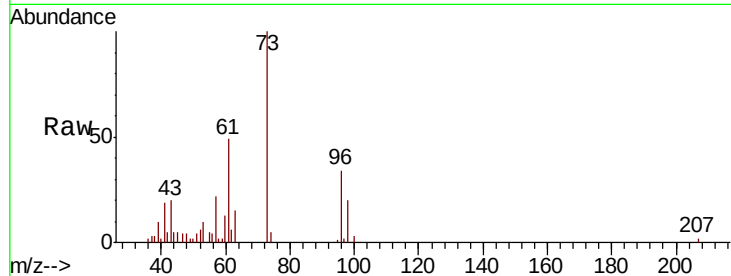




#19
Methyl tert-butyl Ether
Concen: 5.785 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

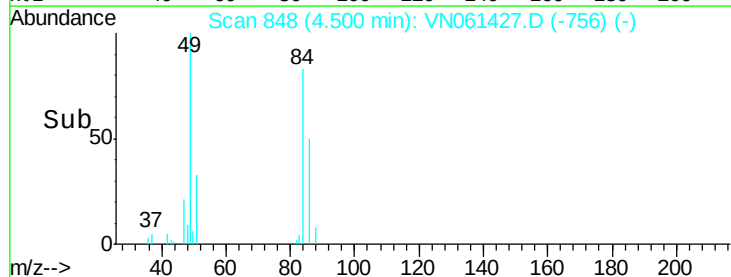
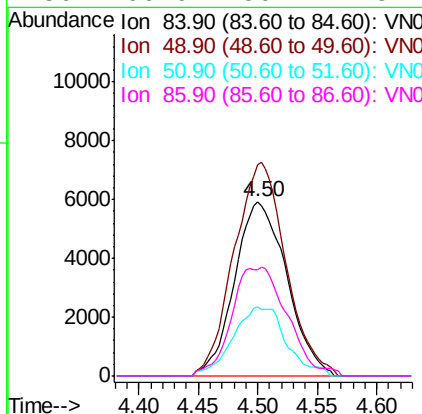
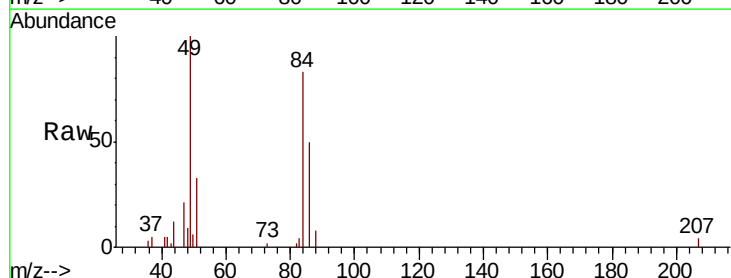
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

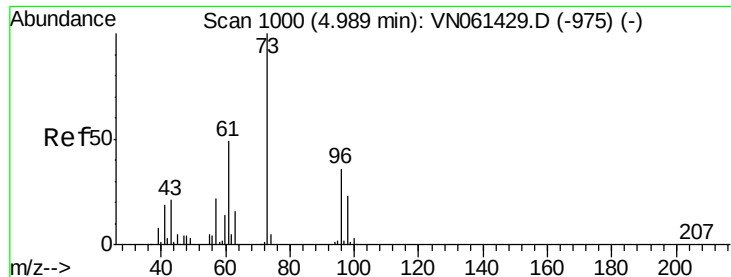
Tot Ion: 73 Resp: 58852
Ion Ratio Lower Upper
73 100
57 22.0 17.4 26.0



#20
Methylene Chloride
Concen: 5.750 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Tgt Ion: 84 Resp: 18022
Ion Ratio Lower Upper
84 100
49 120.7 95.3 142.9
51 39.3 29.0 43.6
86 60.9 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 5.488 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

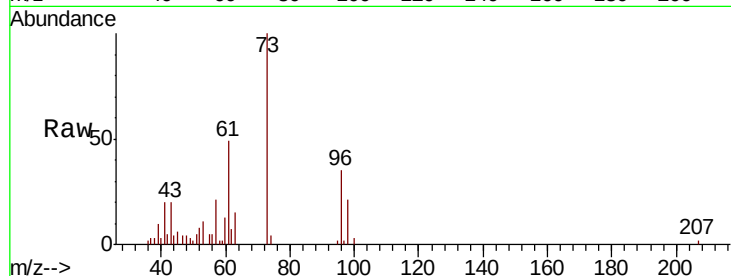
Tot Ion: 96 Resp: 17246

Ion Ratio Lower Upper

96 100

61 142.5 109.8 164.6

98 60.4 52.4 78.6

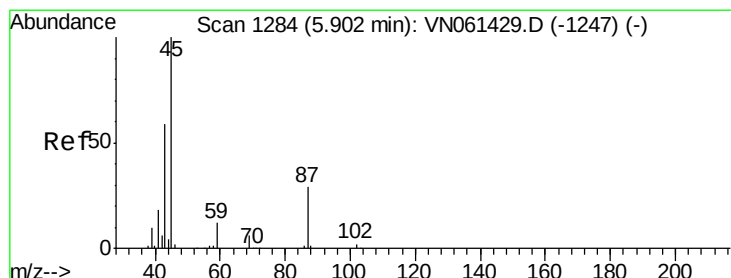
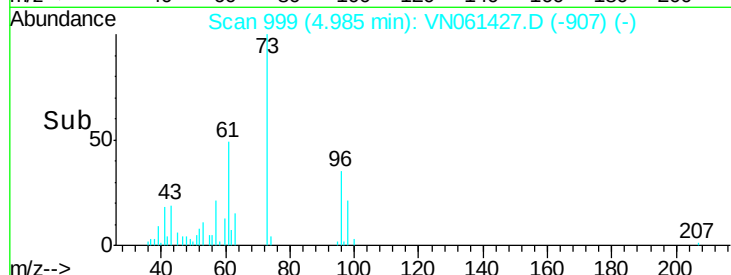
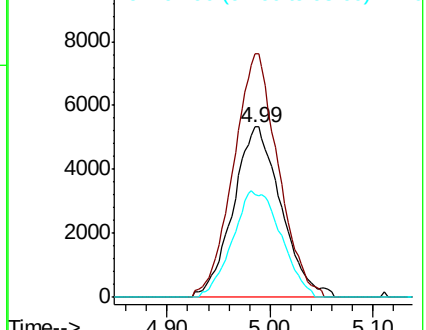


Abundance

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: 5.507 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Tgt Ion: 45 Resp: 56436

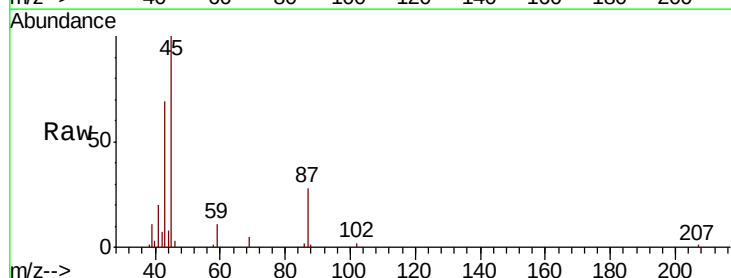
Ion Ratio Lower Upper

45 100

43 65.4 47.9 71.9

87 27.6 24.0 36.0

59 10.7 9.7 14.5



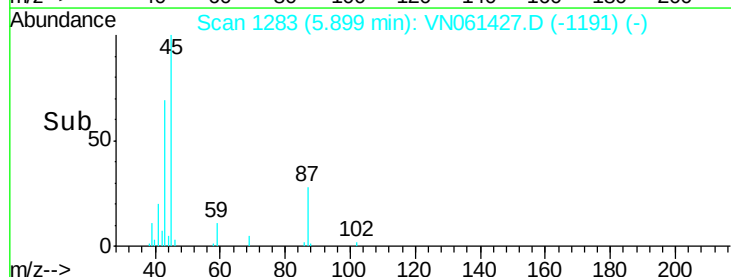
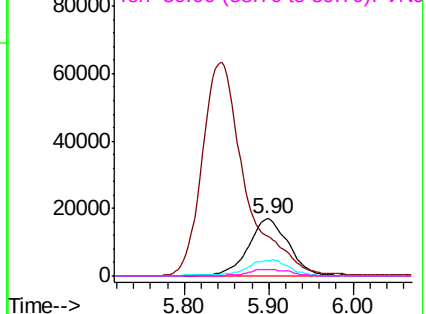
Abundance

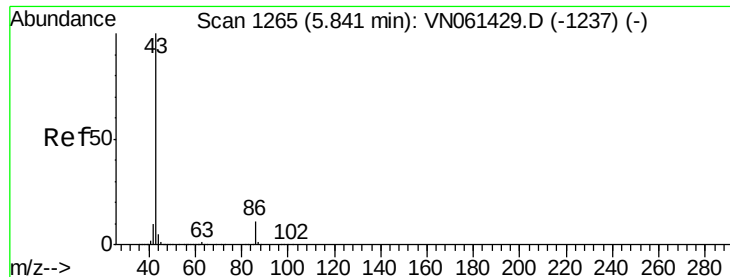
Ion 45.00 (44.70 to 45.70): VN0

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: 26.984 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

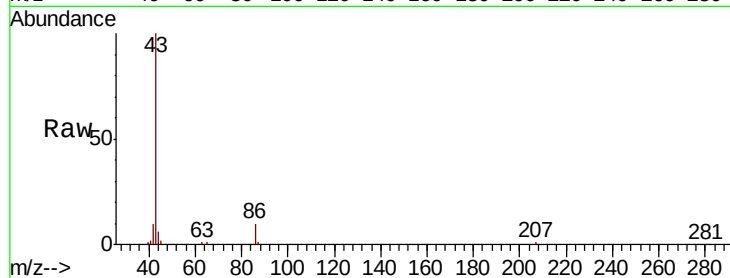
VSTDIC005

Tot Ion: 43 Resp: 225090

Ion Ratio Lower Upper

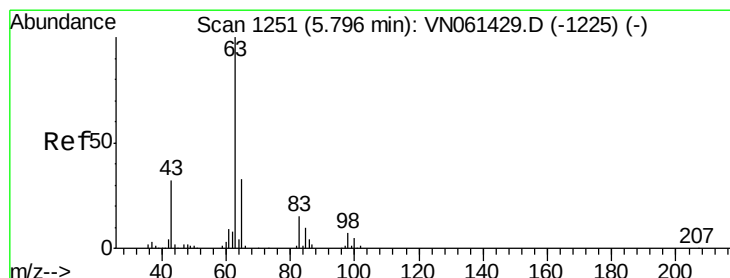
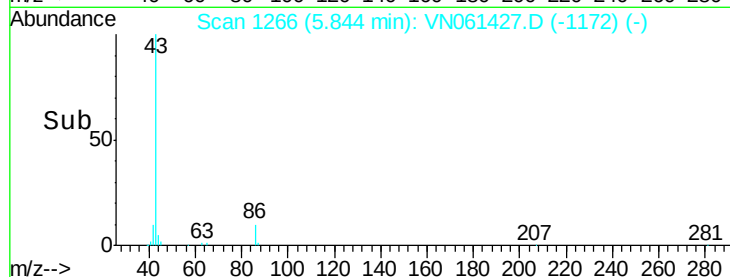
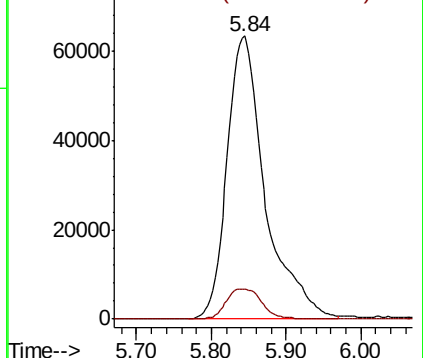
43 100

86 10.5 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 5.641 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

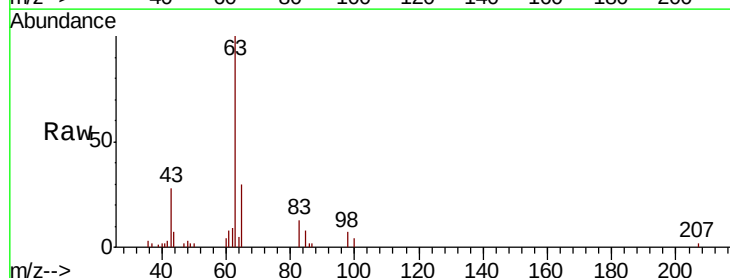
Tgt Ion: 63 Resp: 33014

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.5

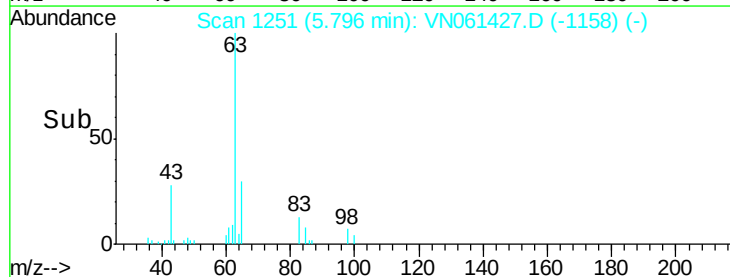
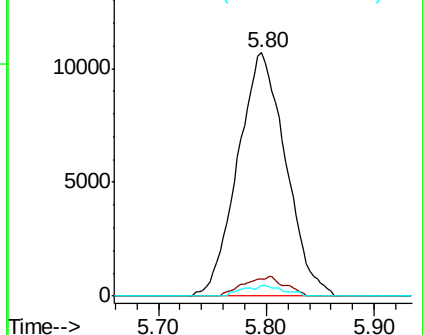
100 4.3 2.3 6.9

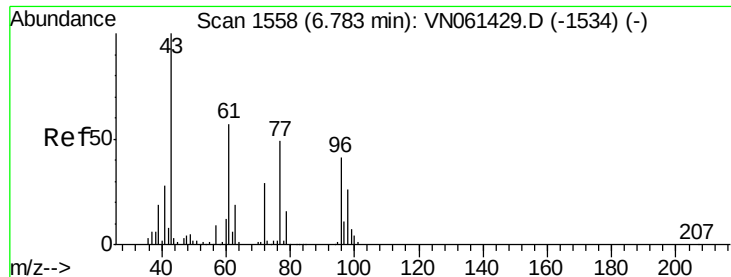


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 31.757 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

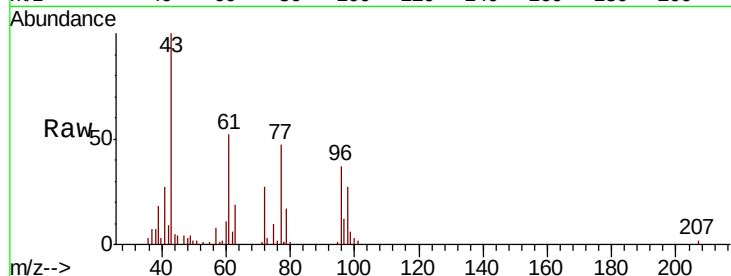
VSTDIC005

Tot Ion: 43 Resp: 52200

Ion Ratio Lower Upper

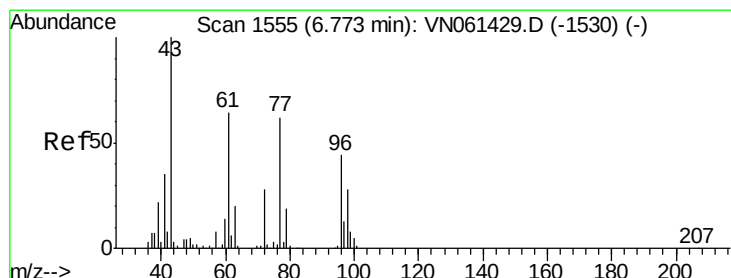
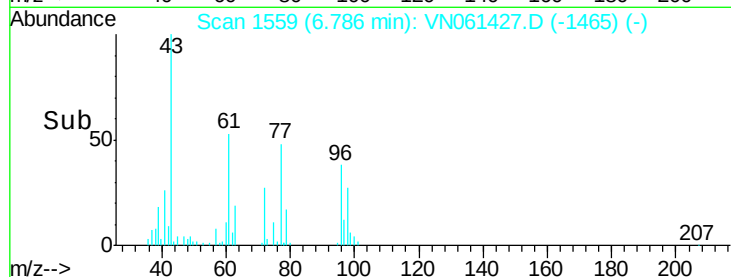
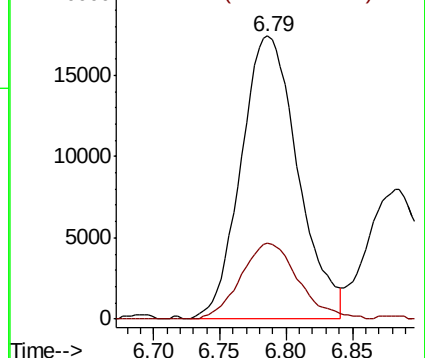
43 100

72 26.9 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 6.288 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN061427.D

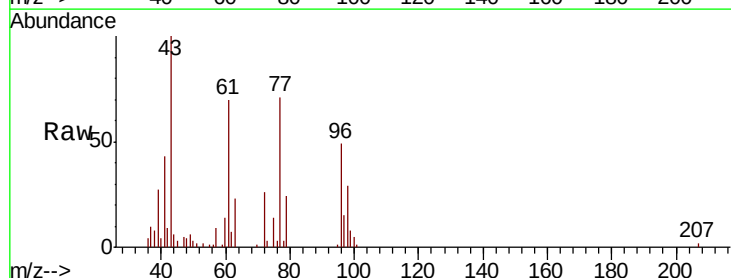
Acq: 18 May 2020 11:14

Tgt Ion: 77 Resp: 31513

Ion Ratio Lower Upper

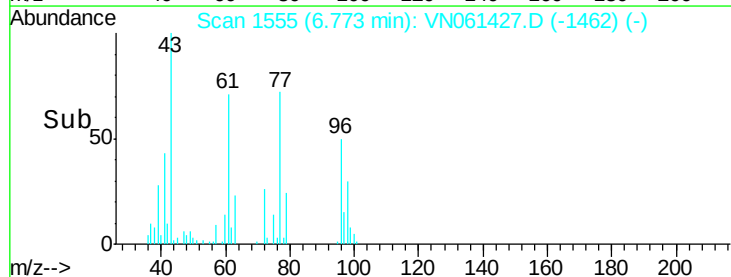
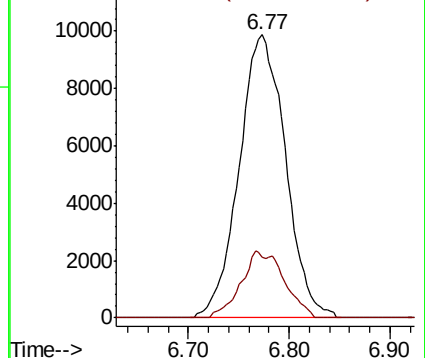
77 100

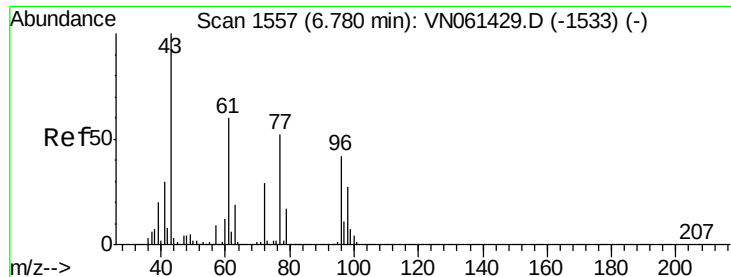
97 12.4 10.9 32.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 5.662 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

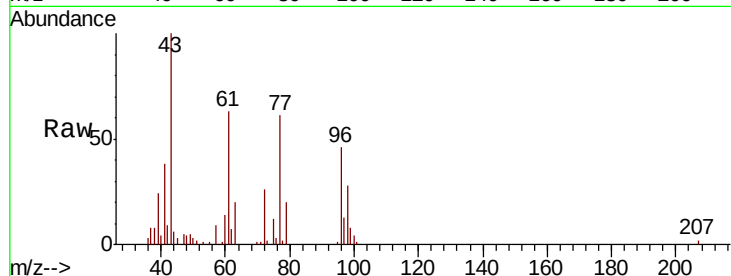
Tot Ion: 96 Resp: 20661

Ion Ratio Lower Upper

96 100

61 144.6 0.0 294.2

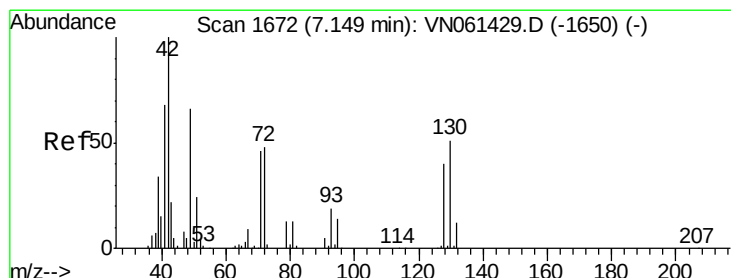
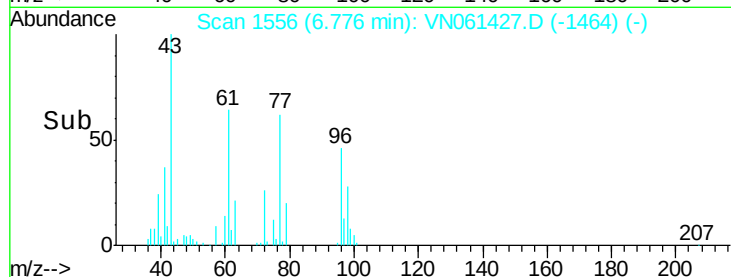
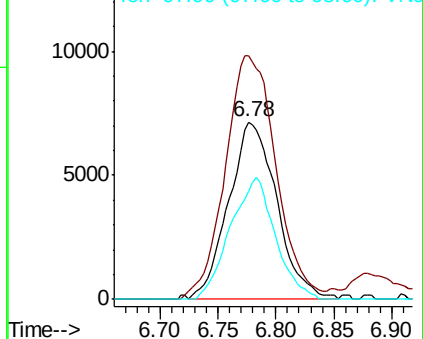
98 64.2 0.0 128.2



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



#28

Bromochloromethane

Concen: 4.772 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

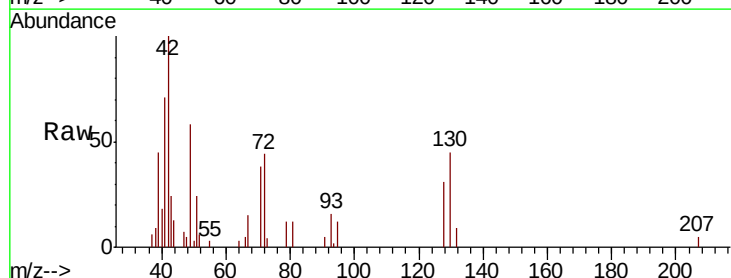
Tgt Ion: 49 Resp: 12263

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

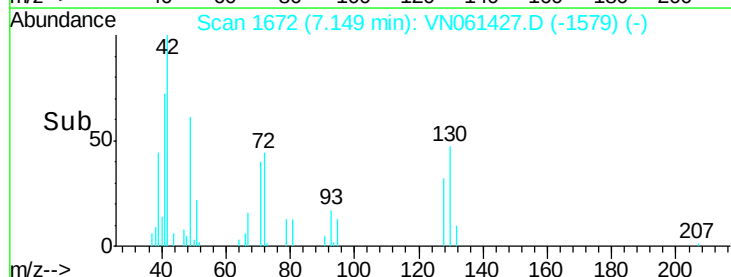
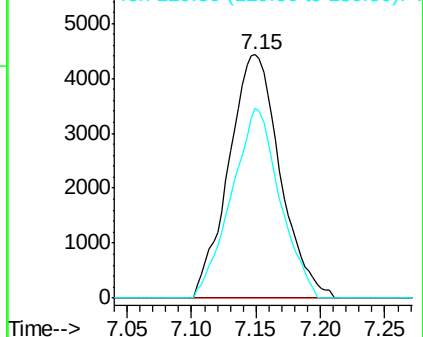
130 73.3 62.2 93.2

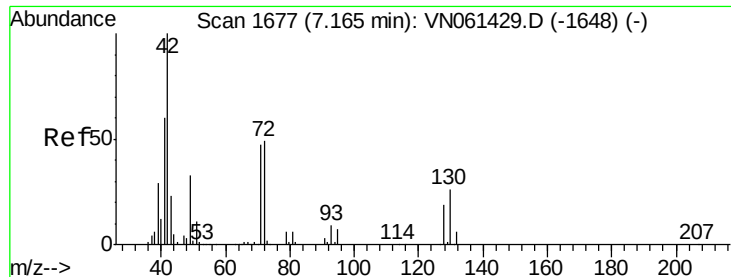


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

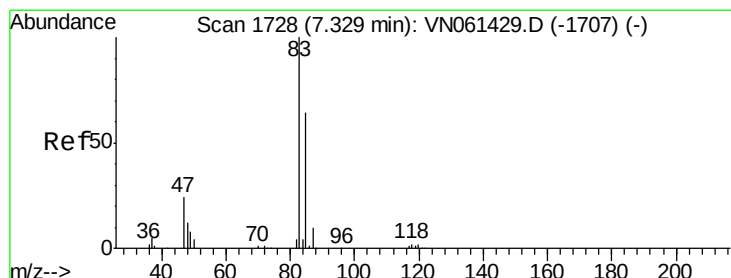
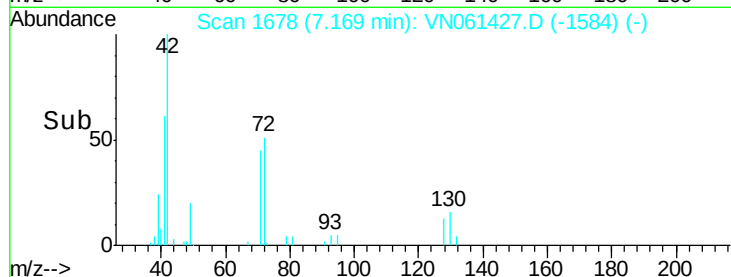
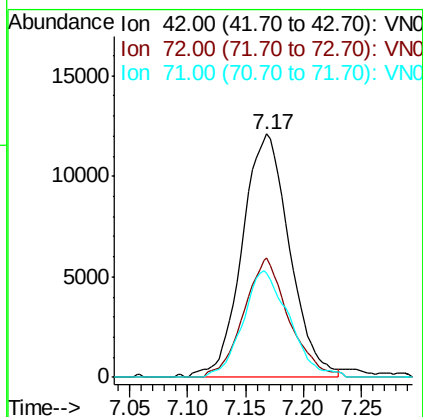
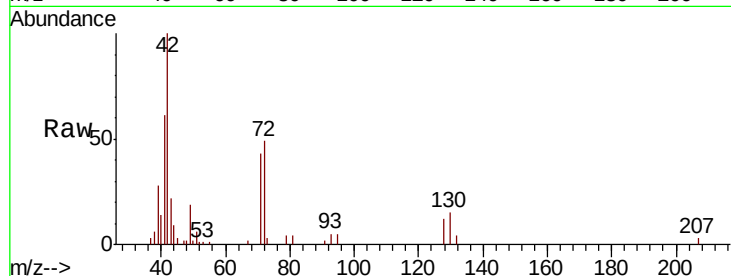




#29
Tetrahydrofuran
Concen: 30.812 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

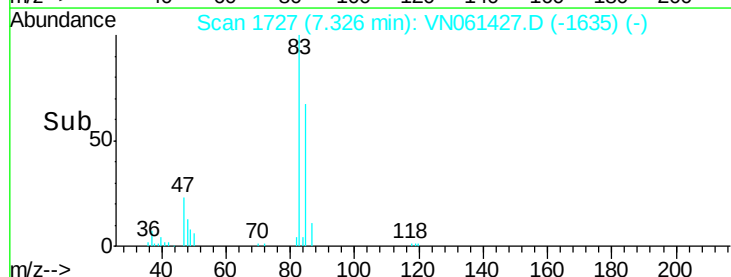
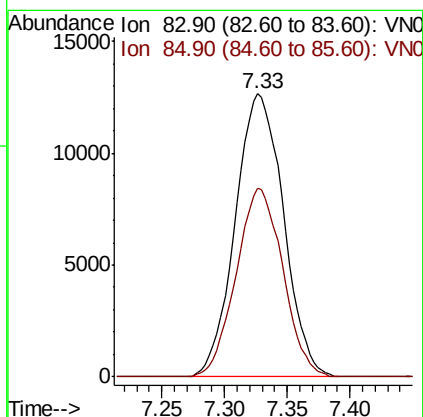
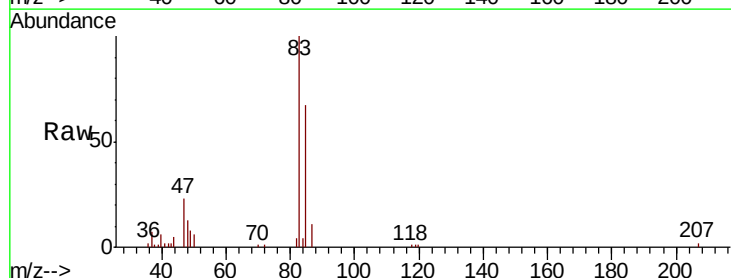
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

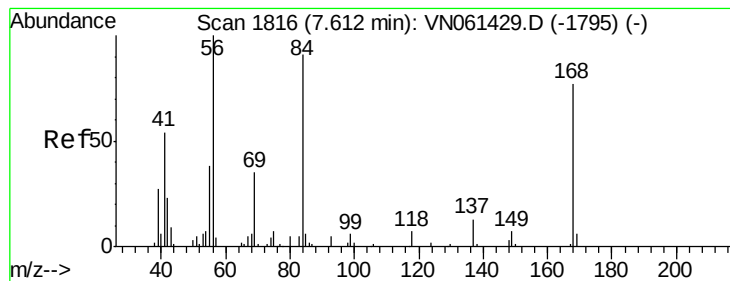
Tot Ion: 42 Resp: 34381
Ion Ratio Lower Upper
42 100
72 46.7 39.0 58.6
71 42.9 36.9 55.3



#30
Chloroform
Concen: 5.503 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Tgt Ion: 83 Resp: 33804
Ion Ratio Lower Upper
83 100
85 66.5 51.0 76.4





#31

Cyclohexane

Concen: 6.110 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

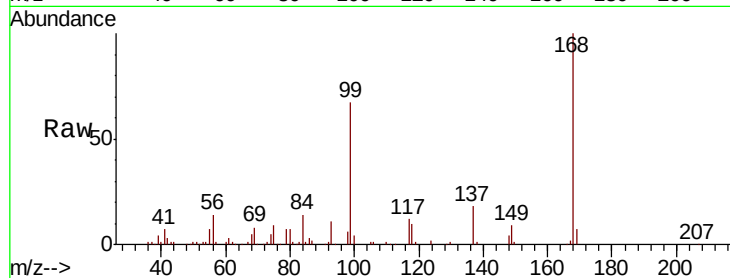
Tot Ion: 56 Resp: 35105

Ion Ratio Lower Upper

56 100

69 54.7 27.8 41.6#

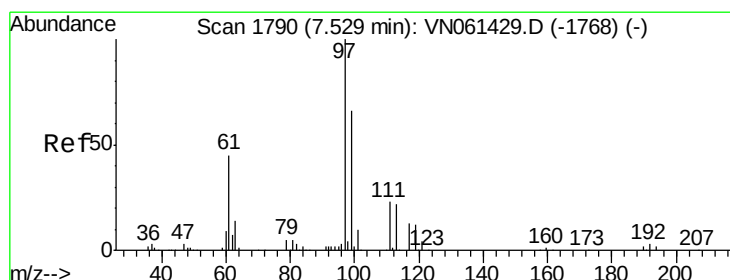
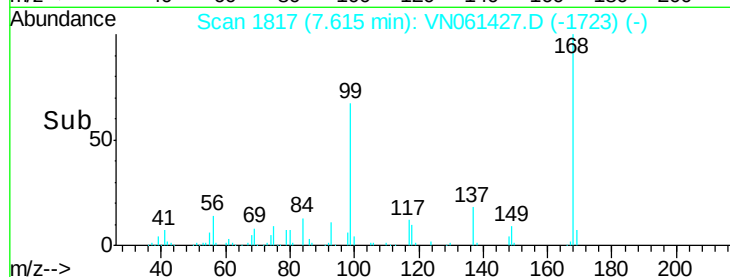
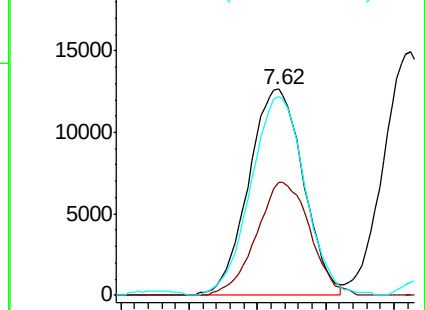
84 96.7 72.7 109.1



Abundance Ion 56.00 (55.70 to 56.70): VN061427.D (-1795) (-)

Ion 69.00 (68.70 to 69.70): VN061427.D (-1795) (-)

Ion 84.00 (83.70 to 84.70): VN061427.D (-1795) (-)



#32

1,1,1-Trichloroethane

Concen: 5.589 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

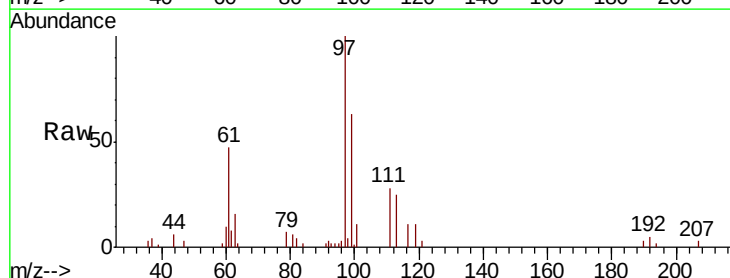
Tgt Ion: 97 Resp: 30557

Ion Ratio Lower Upper

97 100

99 62.1 51.5 77.3

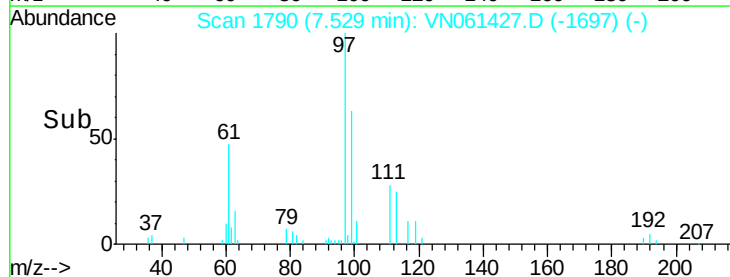
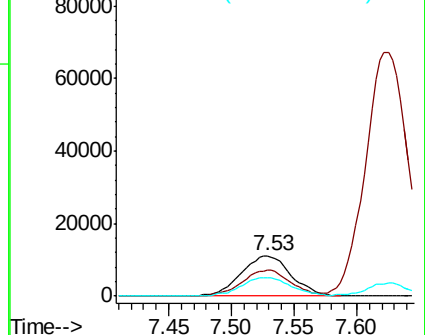
61 46.5 35.8 53.6

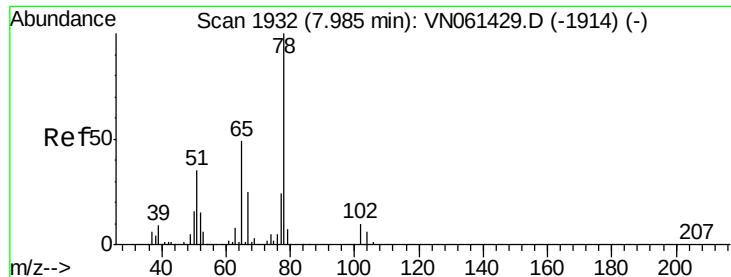


Abundance Ion 96.90 (96.60 to 97.60): VN061427.D (-1697) (-)

Ion 98.90 (98.60 to 99.60): VN061427.D (-1697) (-)

Ion 60.90 (60.60 to 61.60): VN061427.D (-1697) (-)

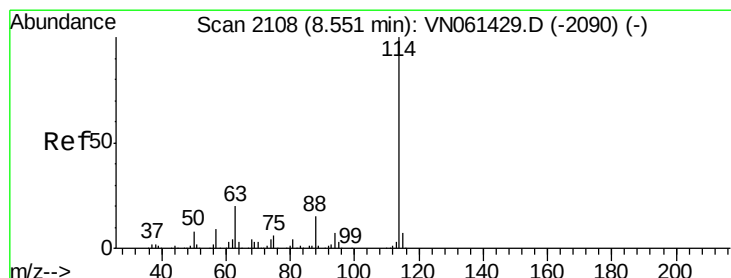
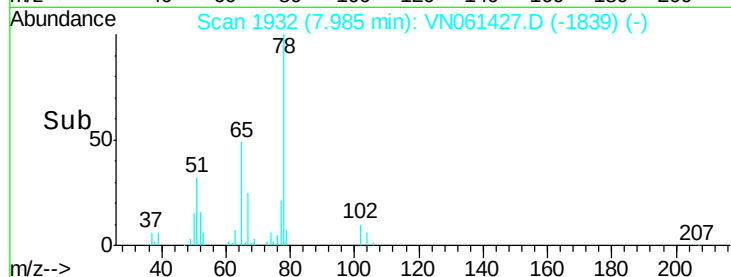
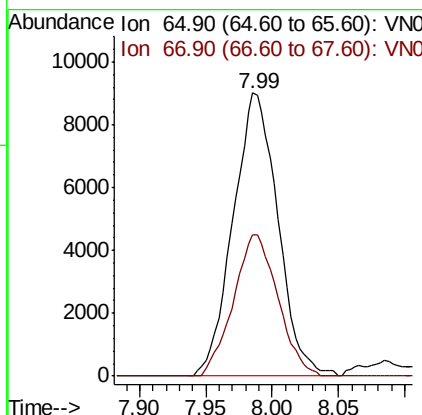
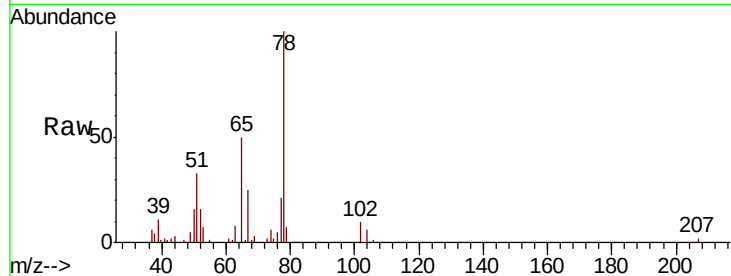




#33
 1,2-Dichloroethane-d4
 Concen: 5.373 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

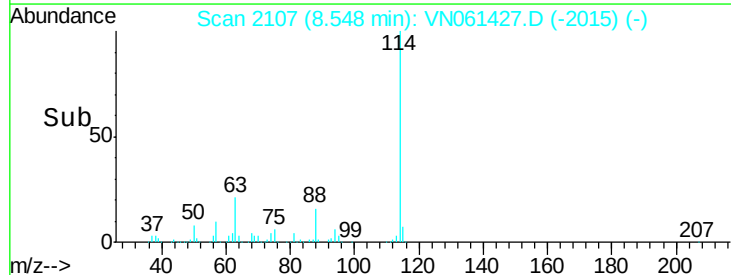
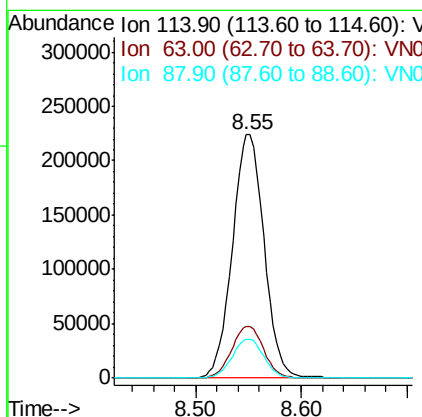
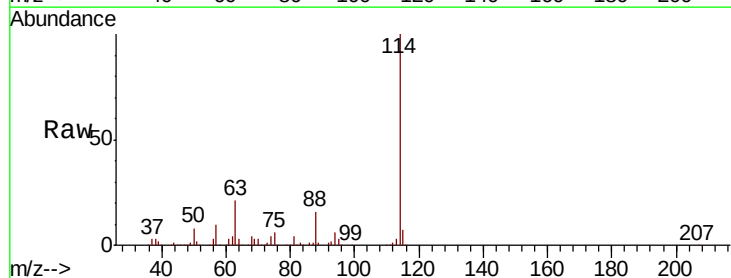
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

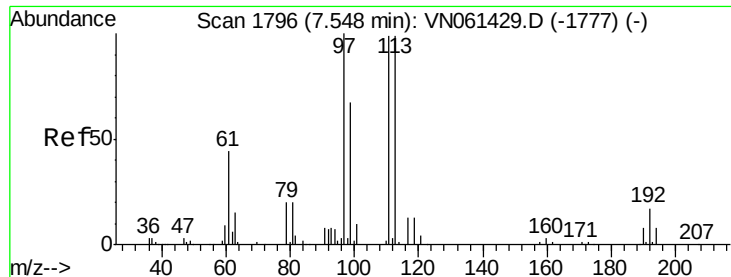
Tot Ion: 65 Resp: 21135
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

Tgt Ion: 114 Resp: 467761
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 40.8
 88 15.9 0.0 30.8

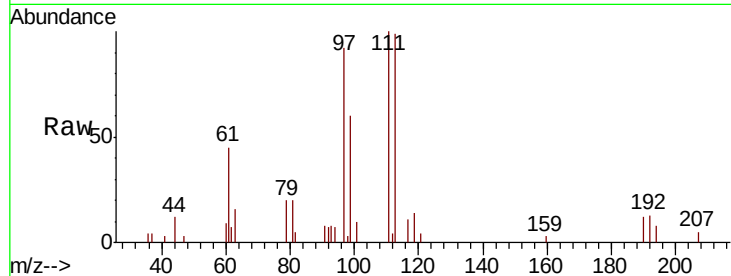




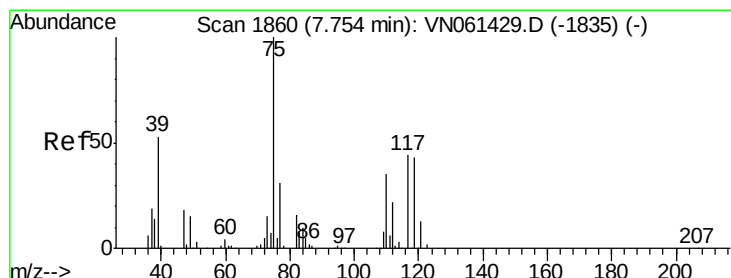
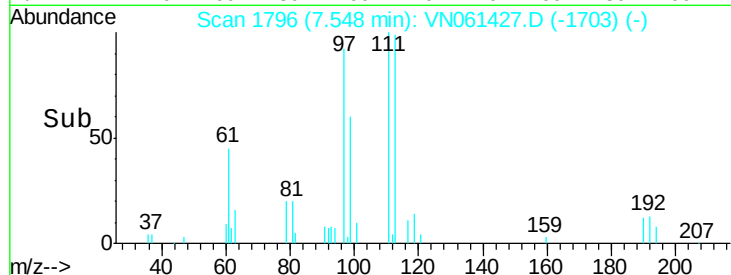
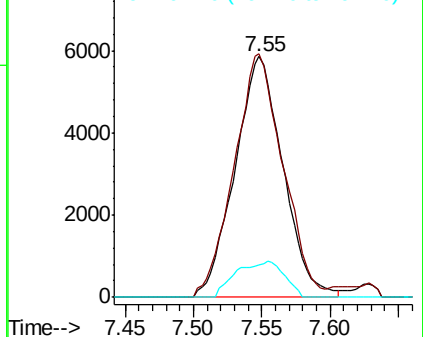
#35
 Dibromofluoromethane
 Concen: 6.085 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:113 Resp: 14301
 Ion Ratio Lower Upper
 113 100
 111 102.4 80.6 121.0
 192 15.0 13.2 19.8

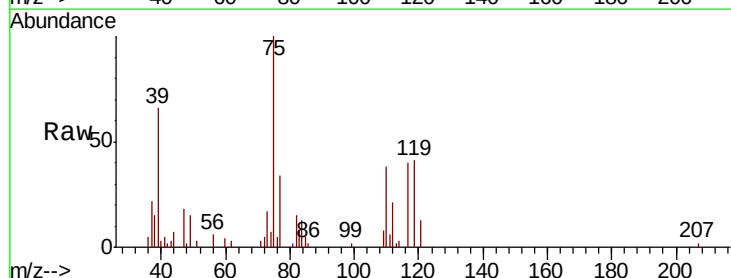


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

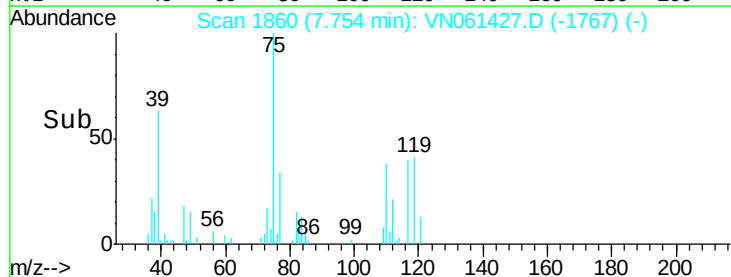
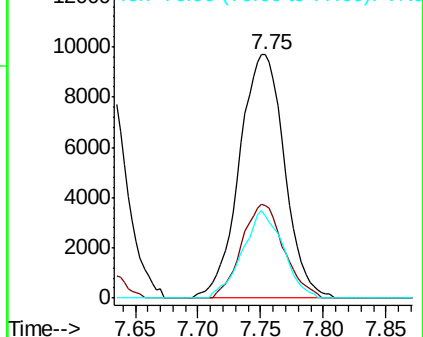


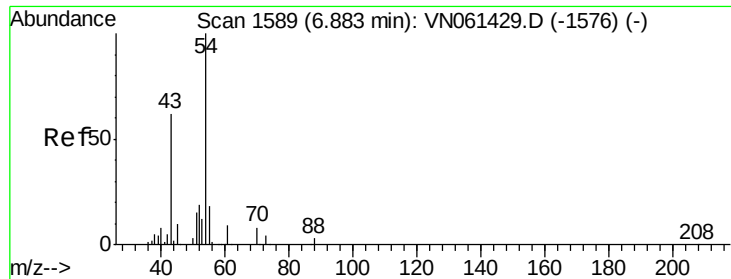
#36
 1,1-Dichloropropene
 Concen: 5.194 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

Tgt Ion: 75 Resp: 24240
 Ion Ratio Lower Upper
 75 100
 110 36.0 17.3 51.9
 77 32.4 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

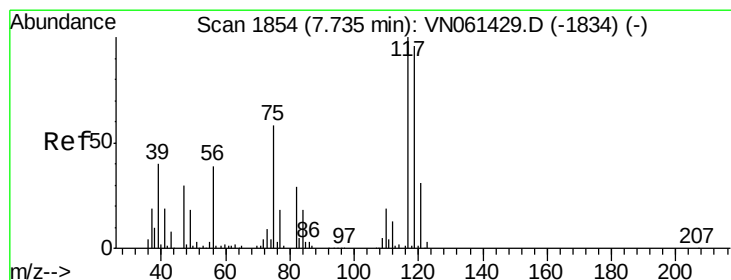
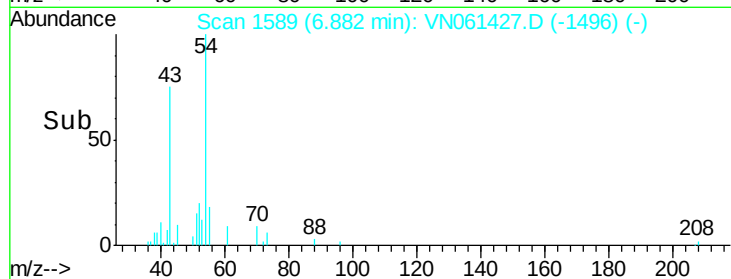
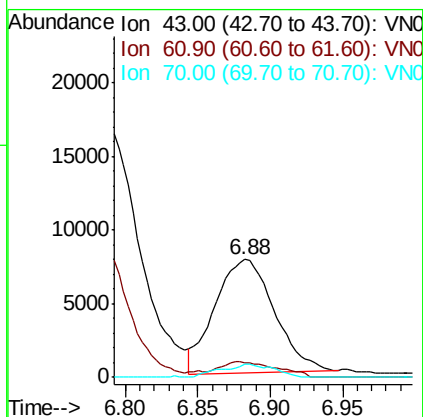
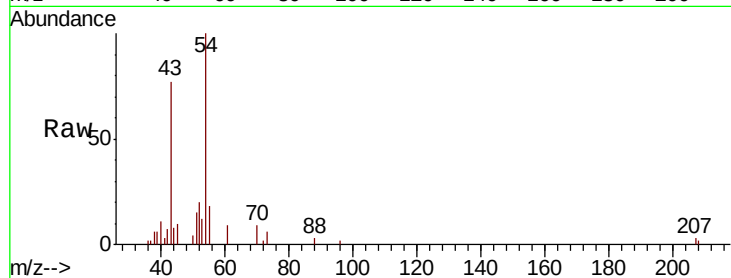




#37
Ethyl Acetate
Concen: 5.646 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

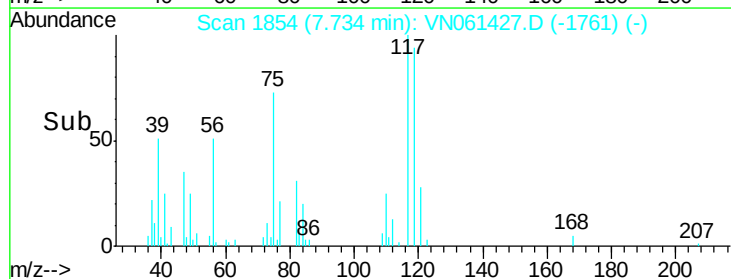
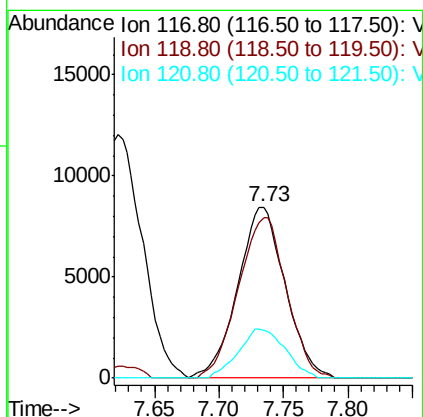
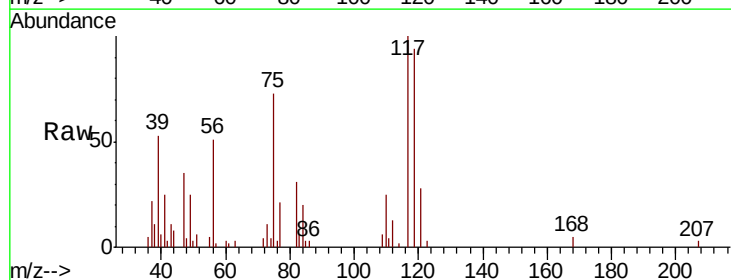
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

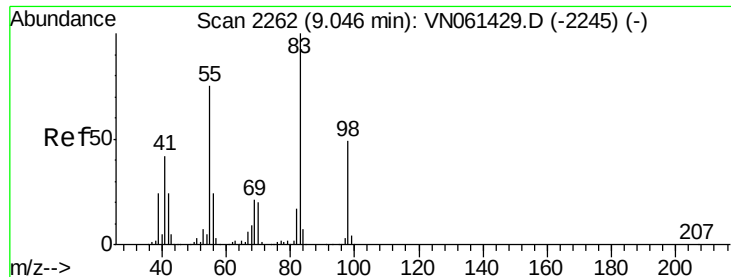
Tot Ion: 43 Resp: 21966
Ion Ratio Lower Upper
43 100
61 13.1 11.7 17.5
70 10.4 9.2 13.8



#38
Carbon Tetrachloride
Concen: 5.427 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Tgt Ion: 117 Resp: 21712
Ion Ratio Lower Upper
117 100
119 93.9 77.0 115.6
121 27.7 24.7 37.1

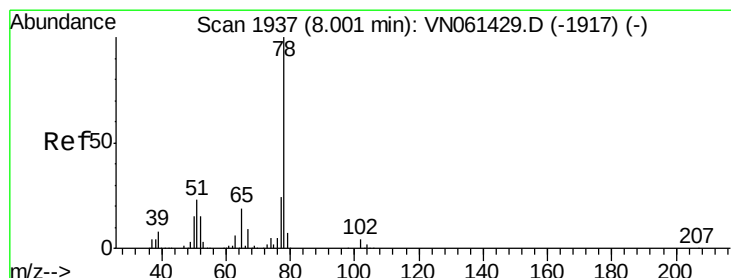
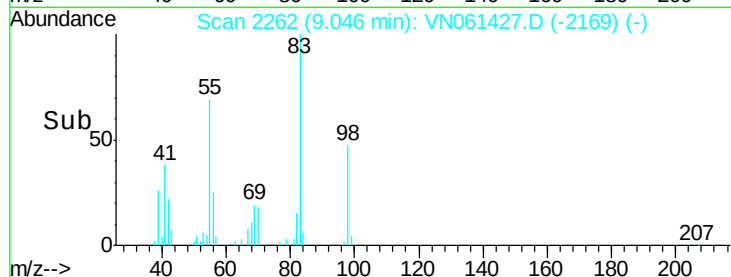
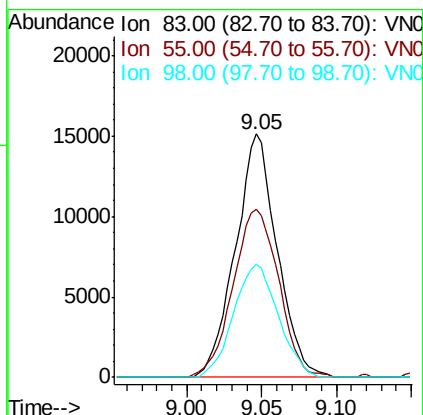
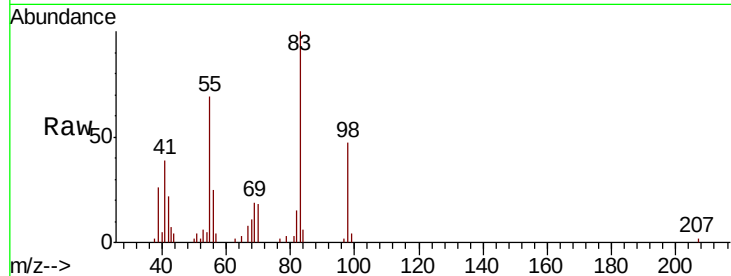




#39
Methylvlcyclohexane
Concen: 5.293 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

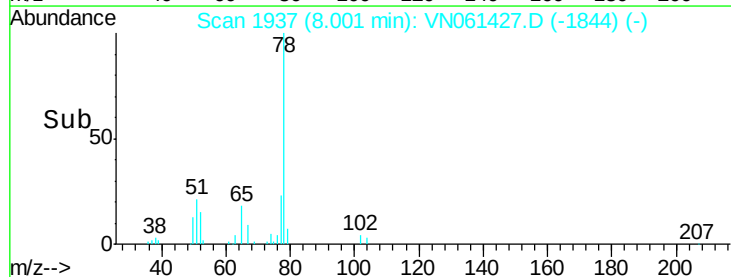
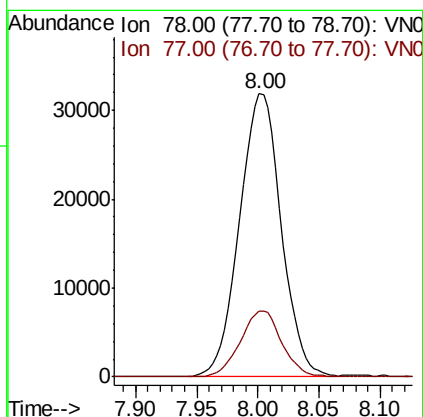
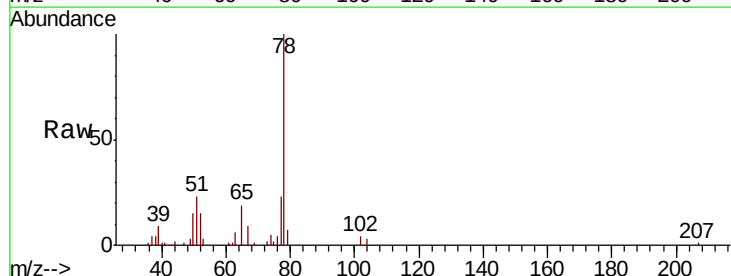
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

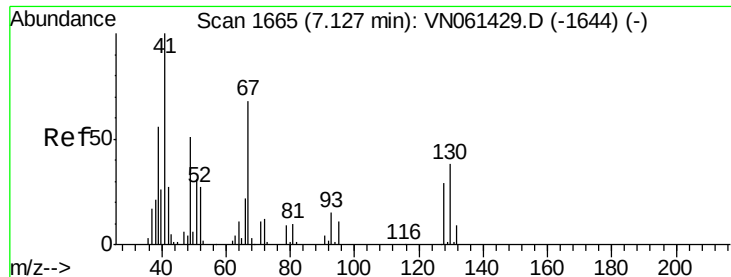
Tot Ion	83.00	Resp	29396
Ion	Ratio	Lower	Upper
83	100		
55	68.9	59.7	89.5
98	46.5	38.9	58.3



#40
Benzene
Concen: 5.490 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Tgt Ion	78.00	Resp	75411
Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.1	28.7

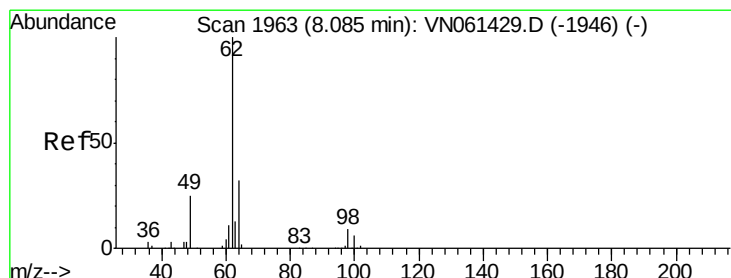
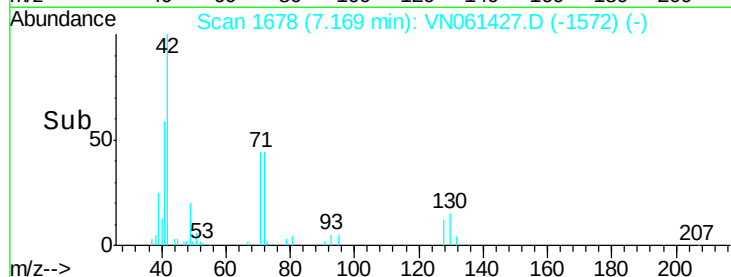
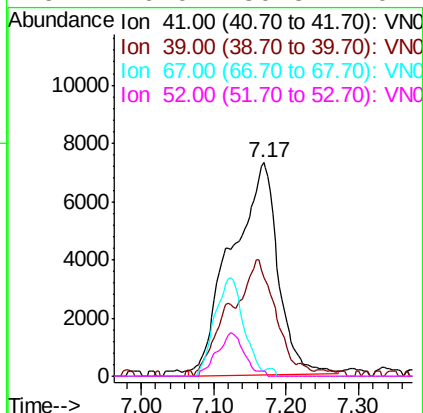
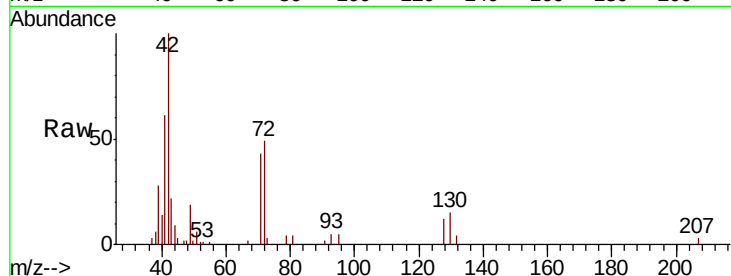




#41
Methacrylonitrile
Concen: 17.944 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.04 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

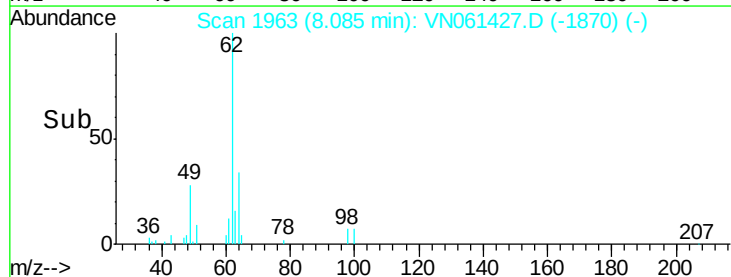
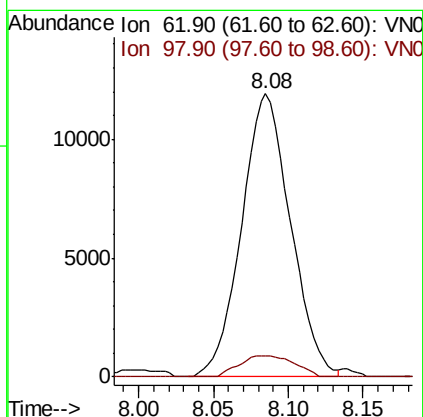
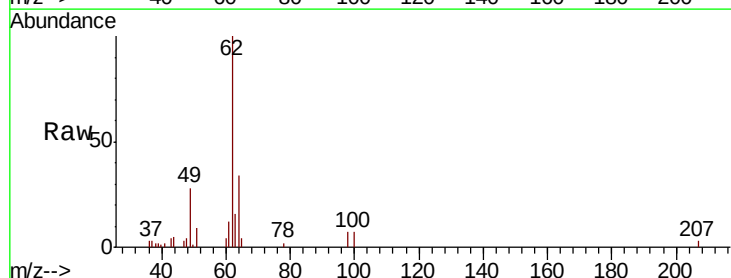
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

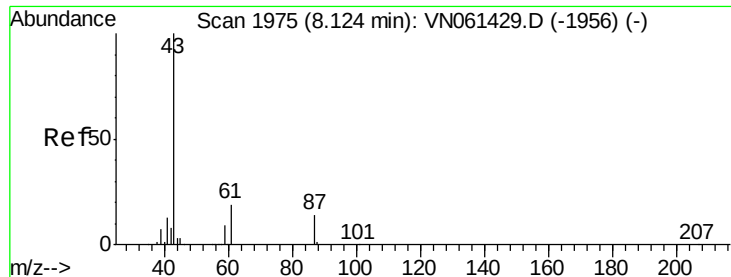
Tot Ion	Ratio	Lower	Upper
41	100		
39	30.4	48.3	72.5#
67	0.0	74.2	111.4#
52	0.0	30.8	46.2#



#42
1,2-Dichloroethane
Concen: 5.496 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	18.4





#43

Isopropyl Acetate

Concen: 5.411 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

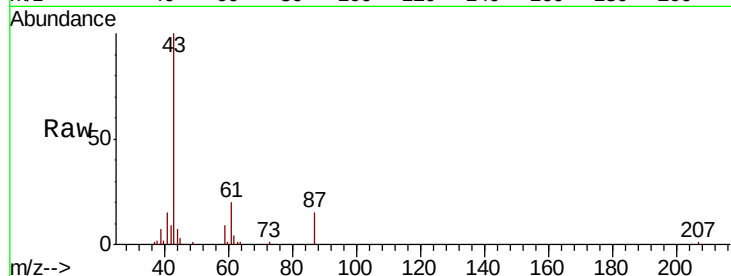
Tot Ion: 43 Resp: 40477

Ion Ratio Lower Upper

43 100

61 21.0 23.0 34.4#

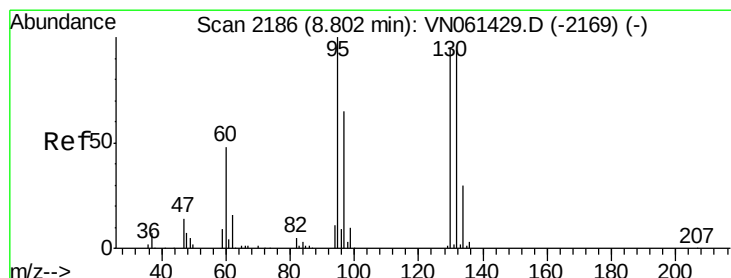
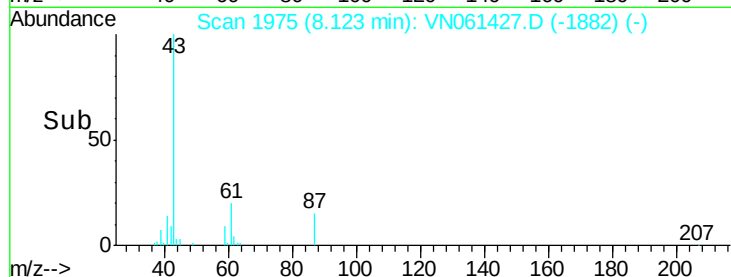
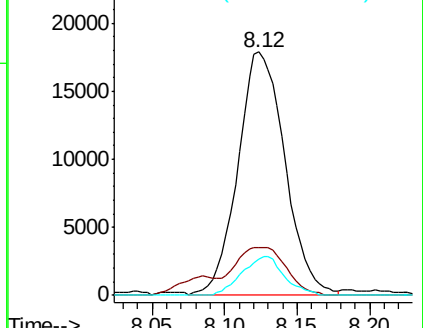
87 14.3 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VN061427.D (-1882) (-)

Ion 61.00 (60.70 to 61.70): VN061427.D (-1882) (-)

Ion 87.00 (86.70 to 87.70): VN061427.D (-1882) (-)



#44

Trichloroethene

Concen: 5.542 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN061427.D

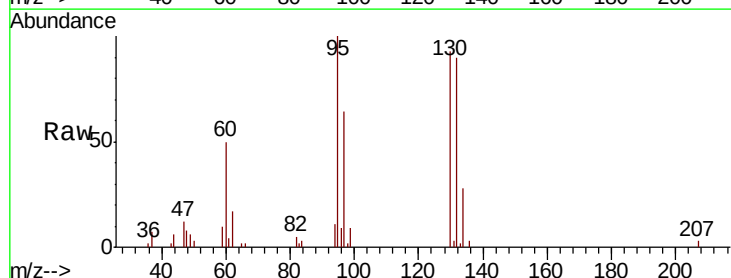
Acq: 18 May 2020 11:14

Tgt Ion: 130 Resp: 19669

Ion Ratio Lower Upper

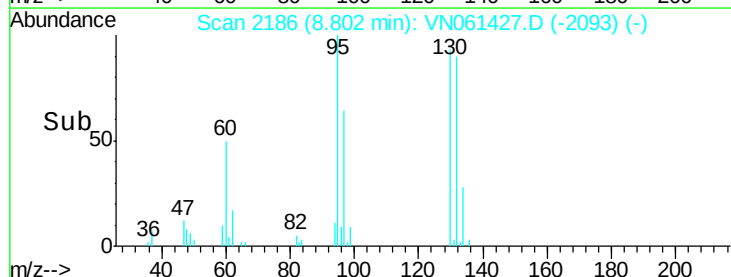
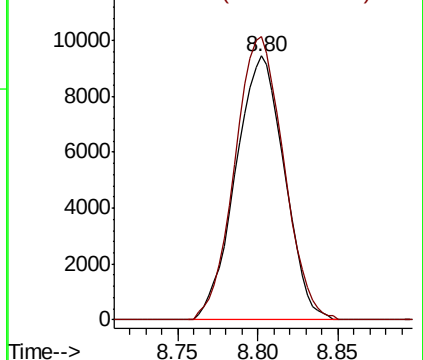
130 100

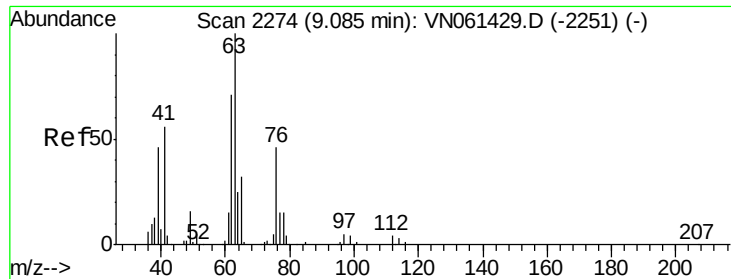
95 107.2 0.0 209.8



Abundance Ion 129.80 (129.50 to 130.50): VN061427.D (-2093) (-)

Ion 94.90 (94.60 to 95.60): VN061427.D (-2093) (-)

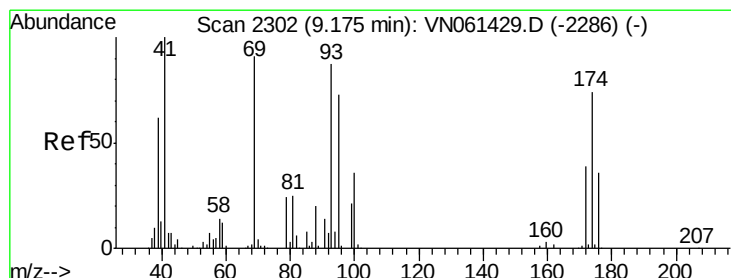
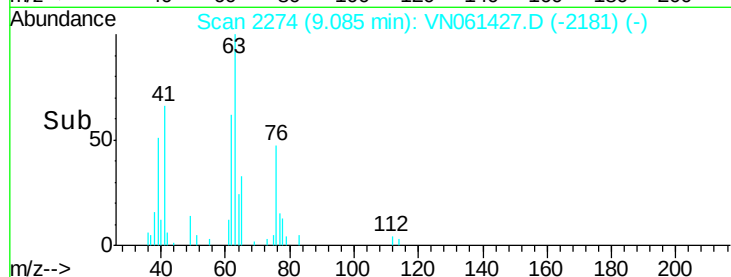
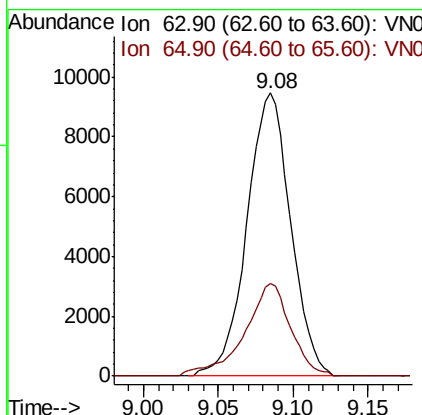
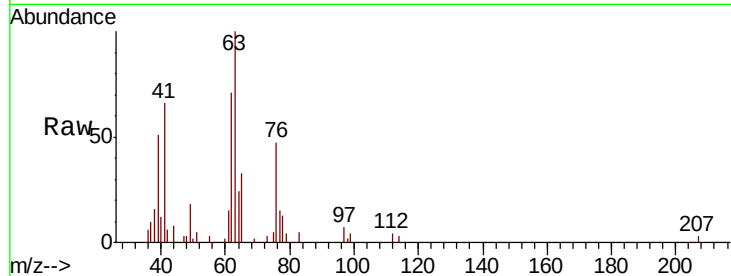




#45
 1,2-Dichloropropane
 Concen: 5.562 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

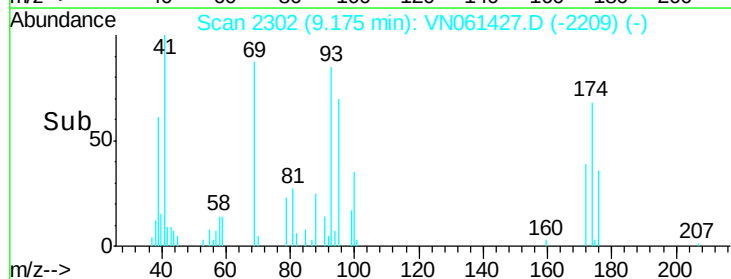
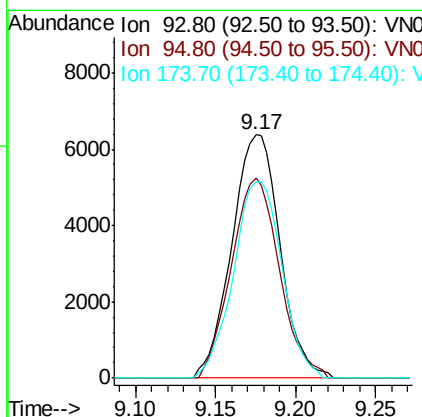
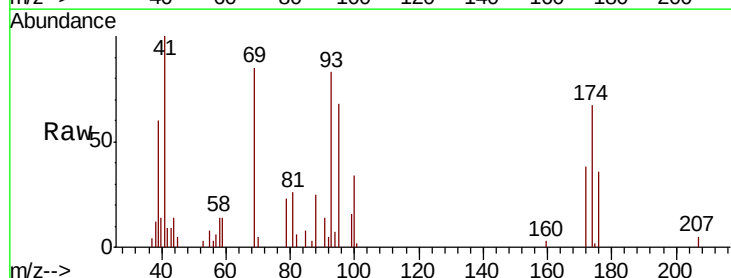
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

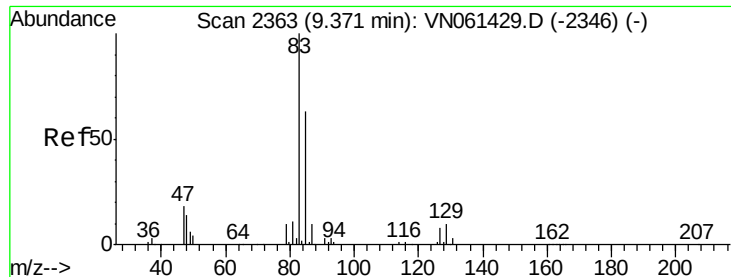
Tot Ion: 63 Resp: 19244
 Ion Ratio Lower Upper
 63 100
 65 32.8 25.2 37.8



#46
 Dibromomethane
 Concen: 5.640 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

Tgt Ion: 93 Resp: 13121
 Ion Ratio Lower Upper
 93 100
 95 82.1 65.6 98.4
 174 81.3 68.0 102.0





#47

Bromodichloromethane

Concen: 5.451 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

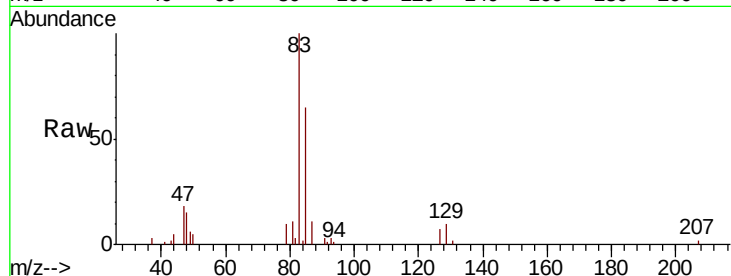
Tot Ion: 83 Resp: 27534

Ion Ratio Lower Upper

83 100

85 65.4 50.6 76.0

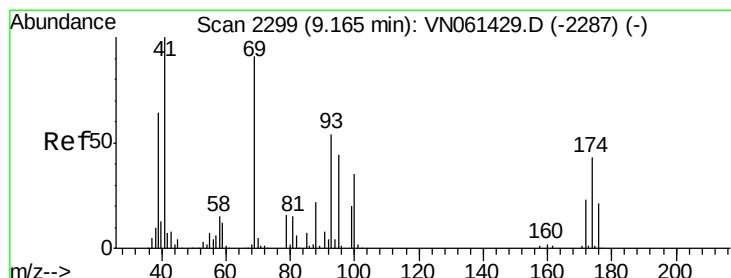
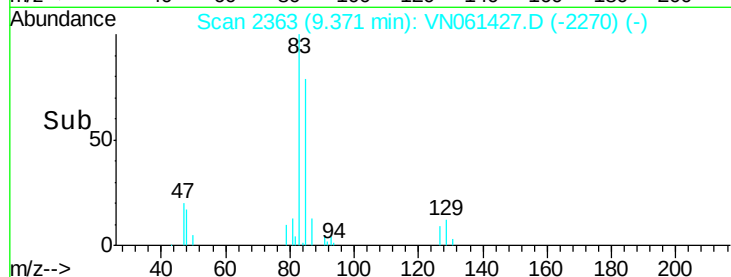
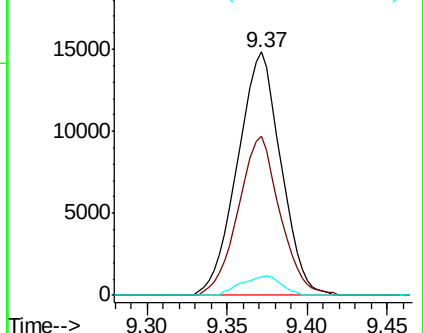
127 7.4 6.1 9.1



Abundance Ion 82.90 (82.60 to 83.60): VN061427.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN061427.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN061427.D (-2270) (-)



#48

Methyl methacrylate

Concen: 5.490 ug/l

RT: 9.17 min Scan# 2300

Delta R.T. 0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

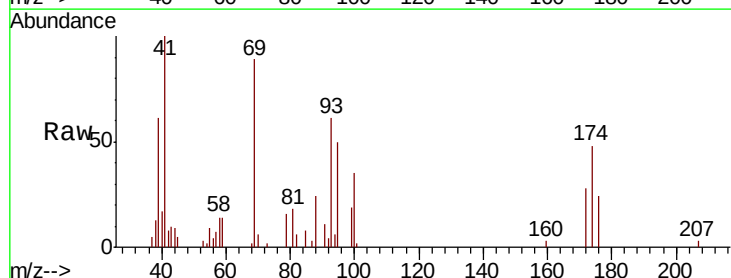
Tgt Ion: 41 Resp: 18582

Ion Ratio Lower Upper

41 100

69 87.4 75.3 112.9

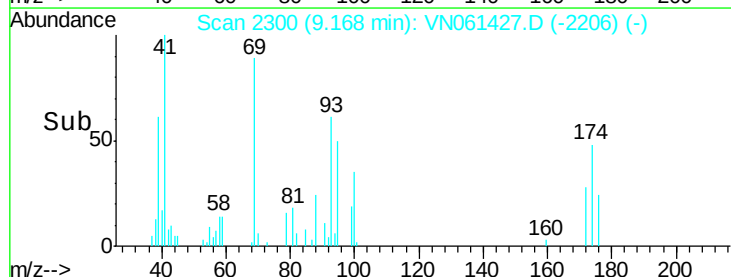
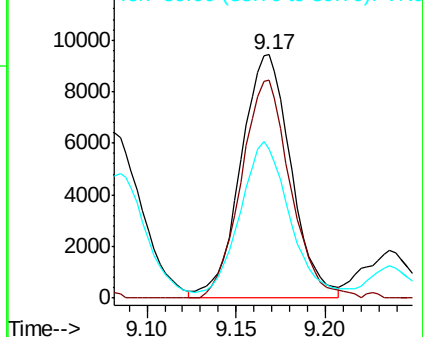
39 61.2 52.6 79.0

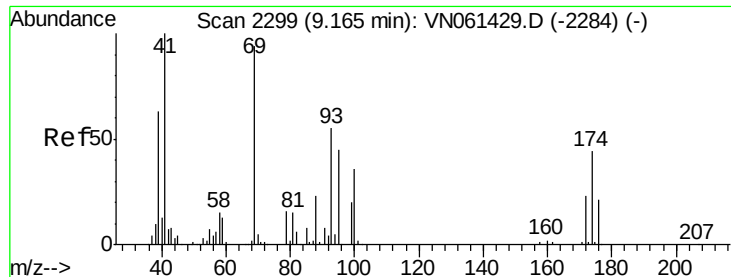


Abundance Ion 41.00 (40.70 to 41.70): VN061427.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN061427.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN061427.D (-2206) (-)

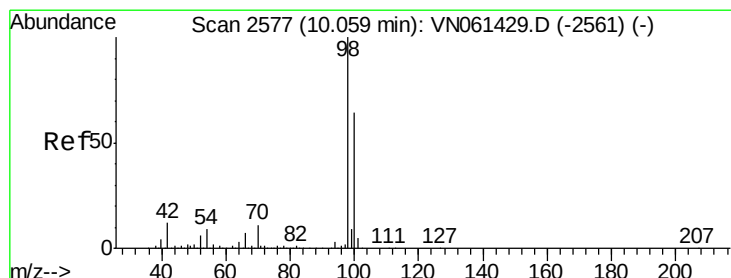
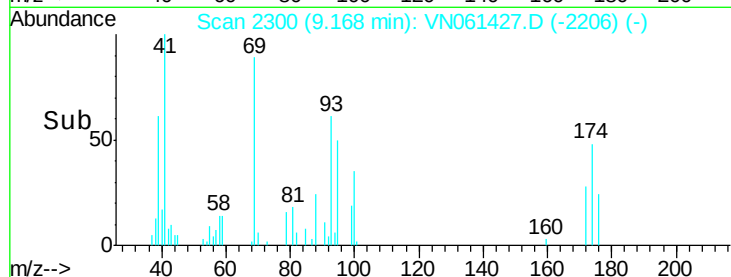
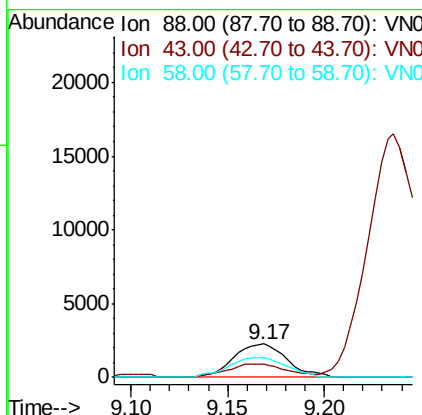
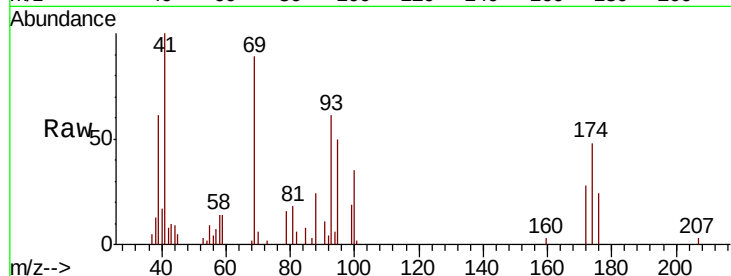




#49
1,4-Dioxane
Concen: 198.264 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

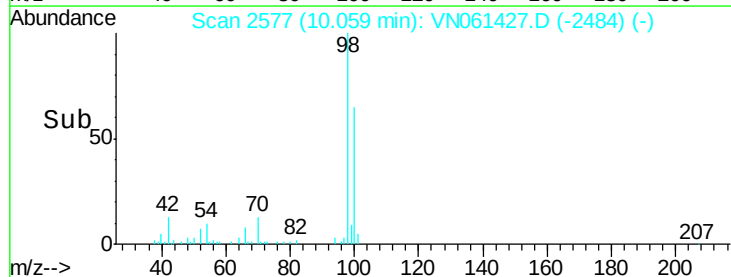
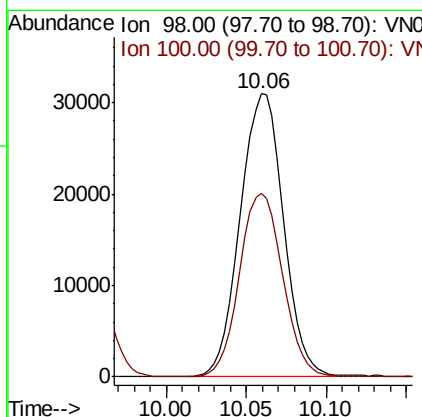
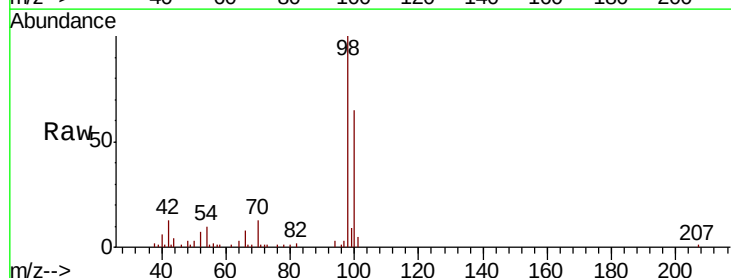
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

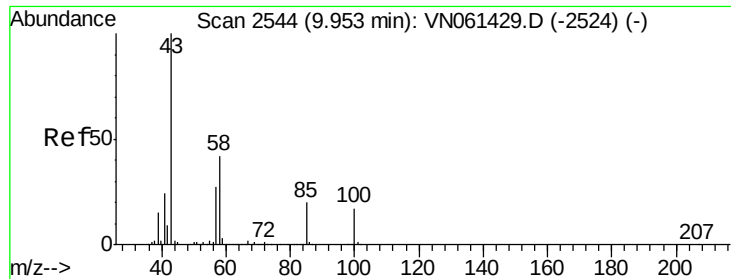
Tot Ion: 88 Resp: 4353
Ion Ratio Lower Upper
88 100
43 44.3 26.3 39.5#
58 64.2 54.1 81.1



#50
Toluene-d8
Concen: 4.952 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Tgt Ion: 98 Resp: 57477
Ion Ratio Lower Upper
98 100
100 64.2 51.8 77.8

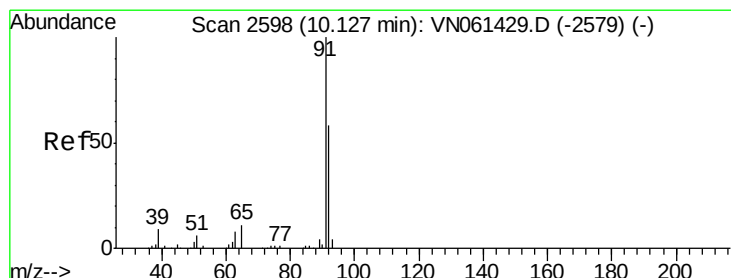
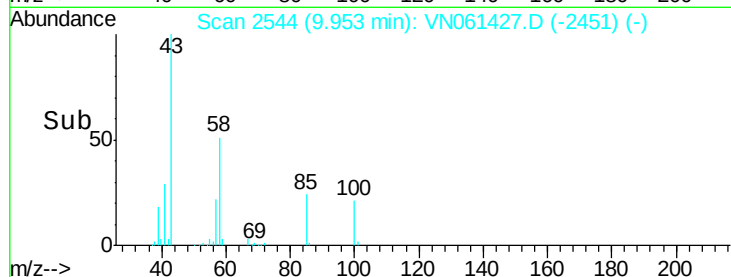
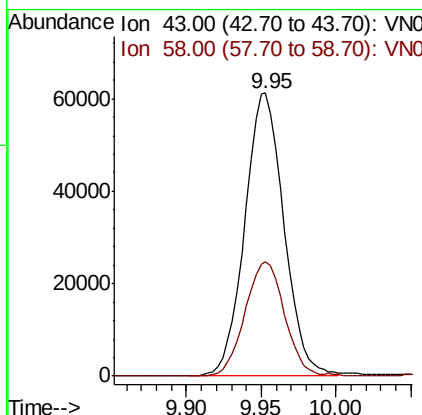
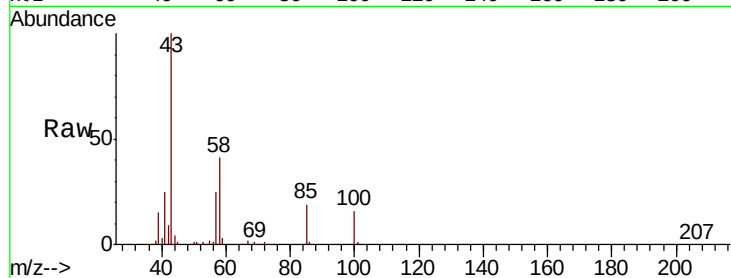




#51
 4-Methyl-2-Pentanone
 Concen: 27.728 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. -0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

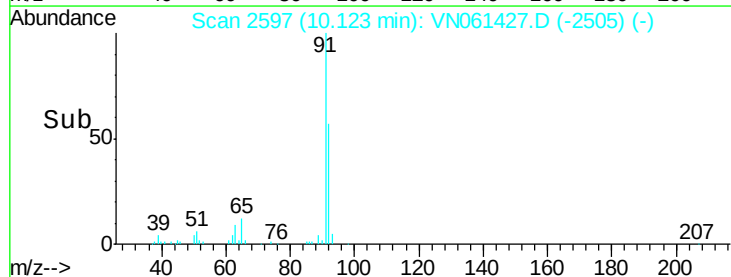
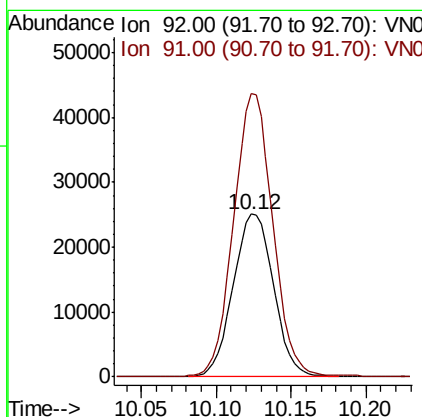
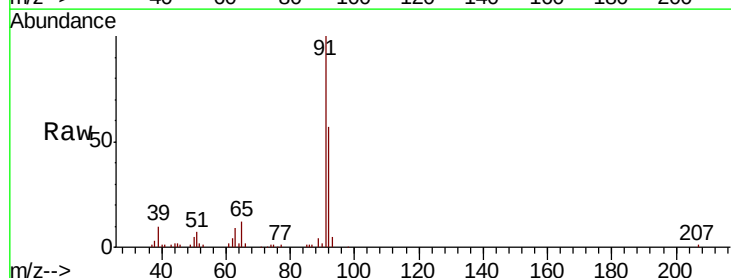
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

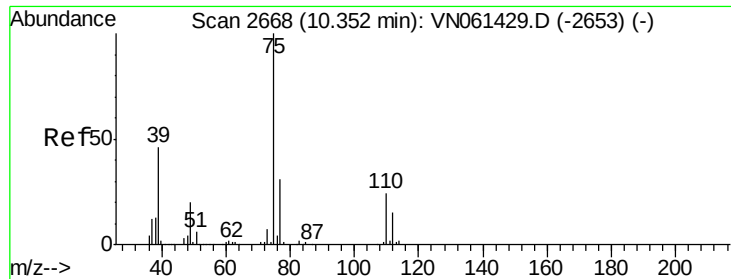
Tot Ion: 43 Resp: 111687
 Ion Ratio Lower Upper
 43 100
 58 40.7 33.4 50.2



#52
 Toluene
 Concen: 5.413 ug/l
 RT: 10.12 min Scan# 2597
 Delta R.T. -0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

Tgt Ion: 92 Resp: 47196
 Ion Ratio Lower Upper
 92 100
 91 168.8 138.0 207.0





#53

t-1,3-Dichloropropene

Concen: 5.461 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

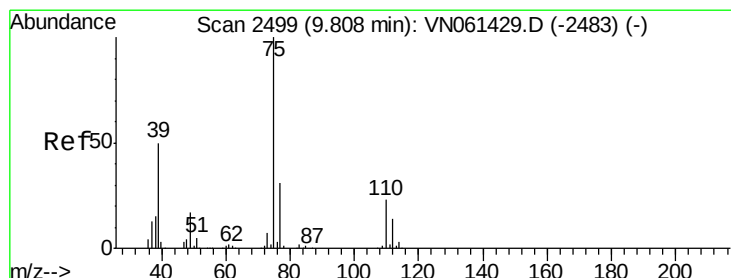
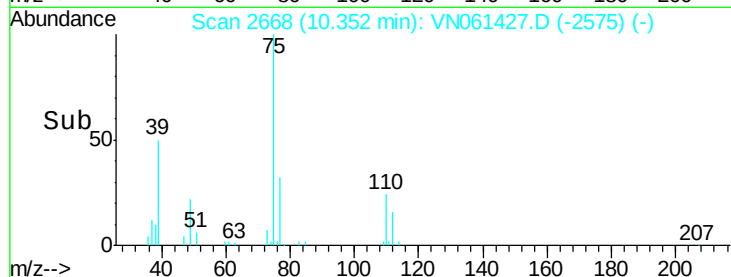
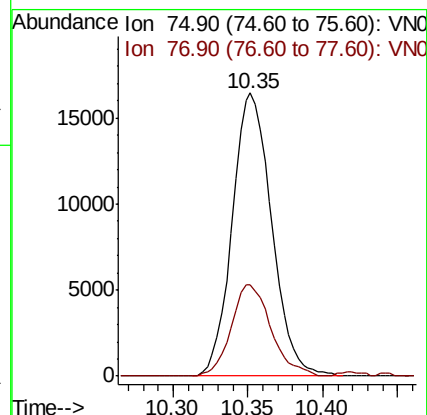
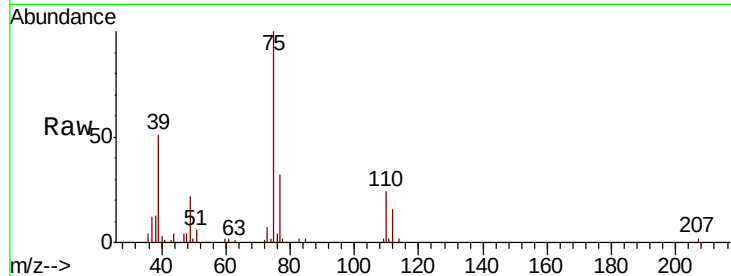
VSTDIC005

Tot Ion: 75 Resp: 30164

Ion Ratio Lower Upper

75 100

77 32.1 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 5.426 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

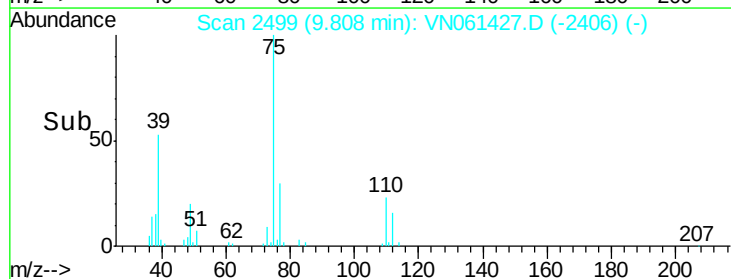
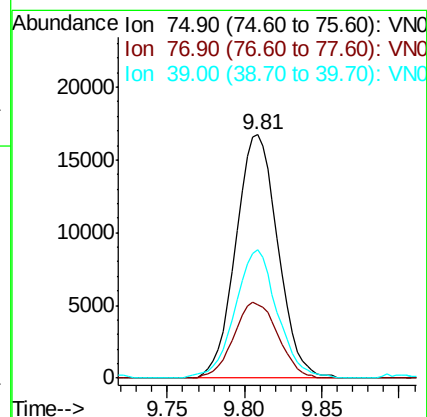
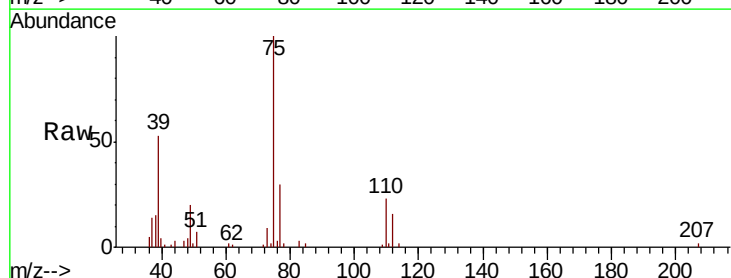
Tgt Ion: 75 Resp: 31611

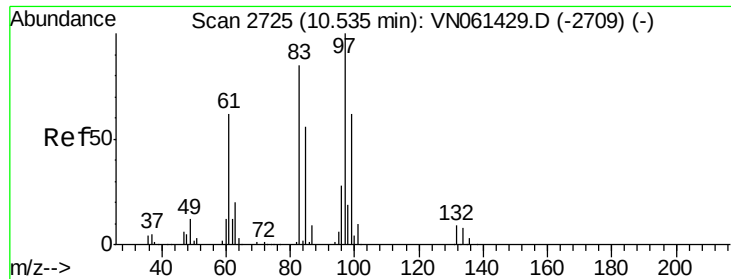
Ion Ratio Lower Upper

75 100

77 30.4 24.8 37.2

39 52.5 39.8 59.6

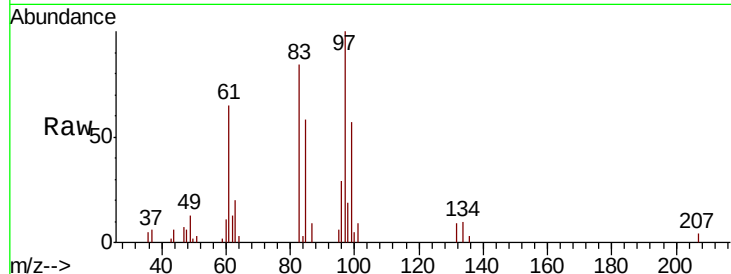




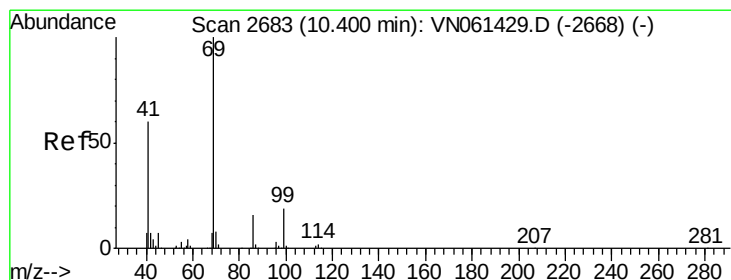
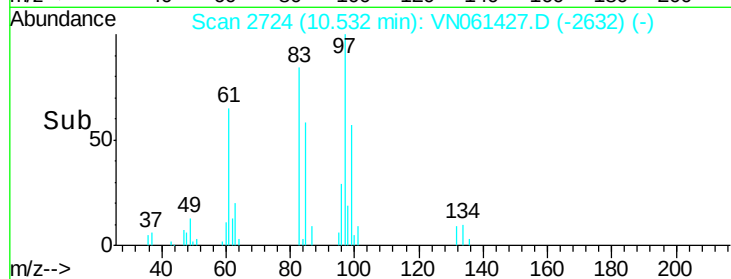
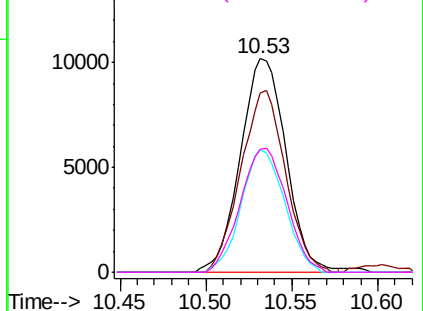
#55
 1,1,2-Trichloroethane
 Concen: 5.765 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	18699
Ion	Ratio	Lower	Upper
97	100		
83	83.9	68.2	102.4
85	57.7	44.6	67.0
99	57.4	49.5	74.3

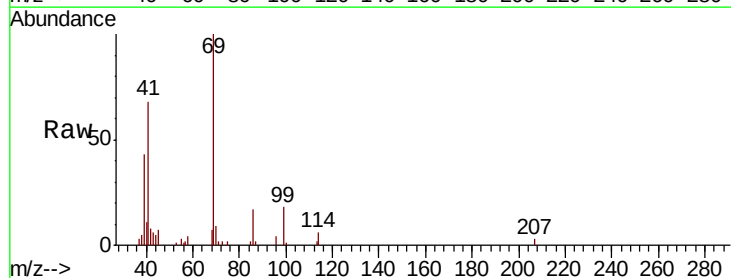


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

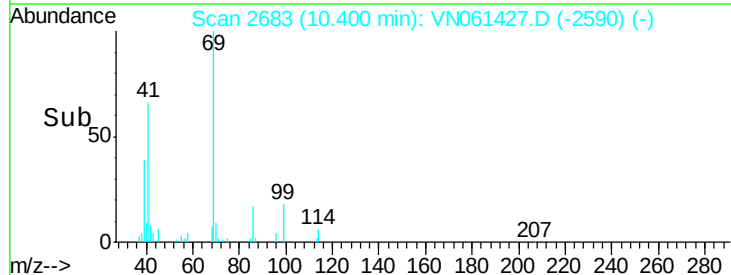
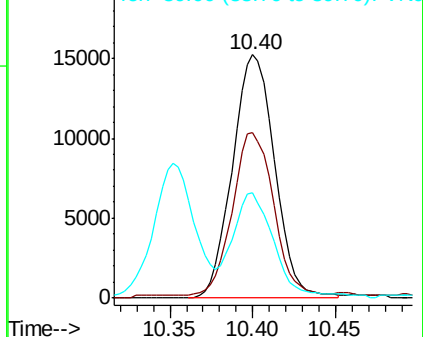


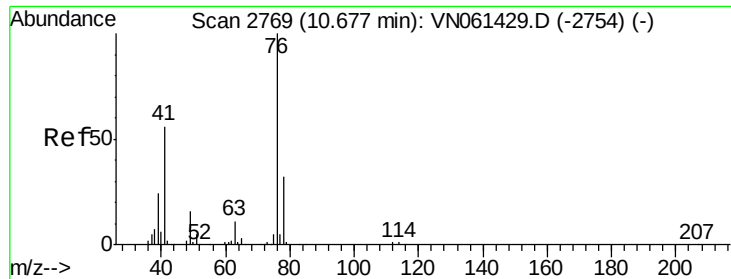
#56
 Ethyl methacrylate
 Concen: 5.106 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

Tgt Ion:	69	Resp:	27081
Ion	Ratio	Lower	Upper
69	100		
41	64.5	48.3	72.5
39	39.6	30.2	45.2



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

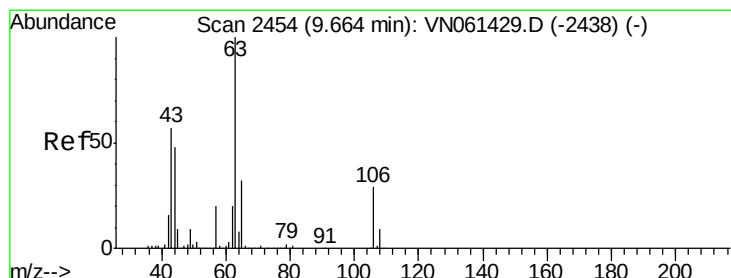
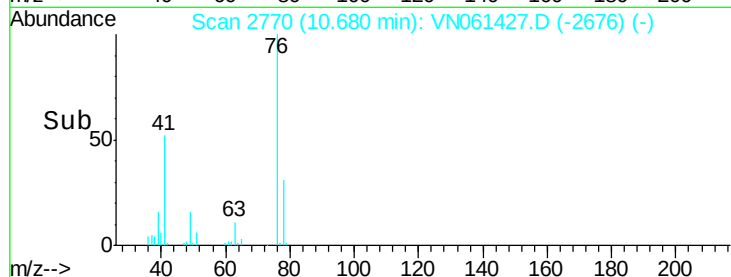
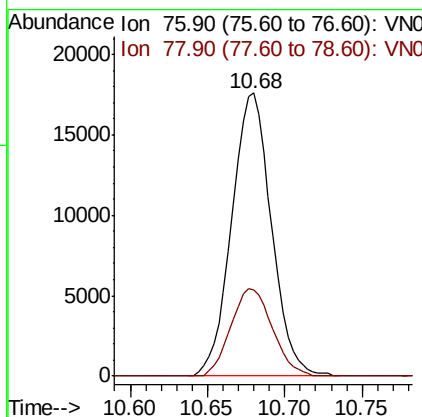
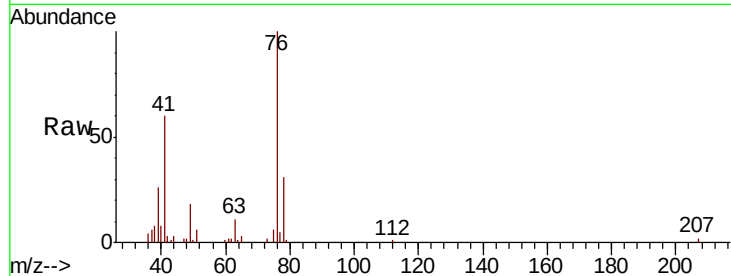




#57
 1,3-Dichloropropane
 Concen: 5.549 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

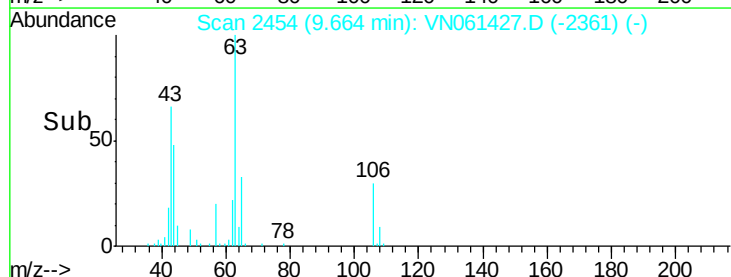
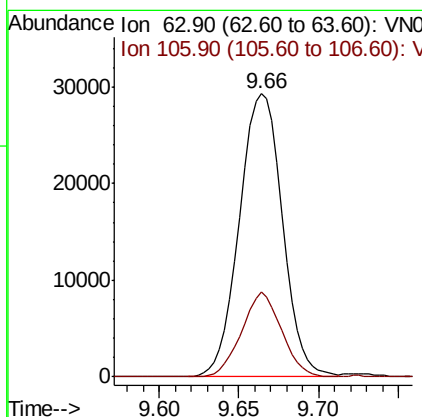
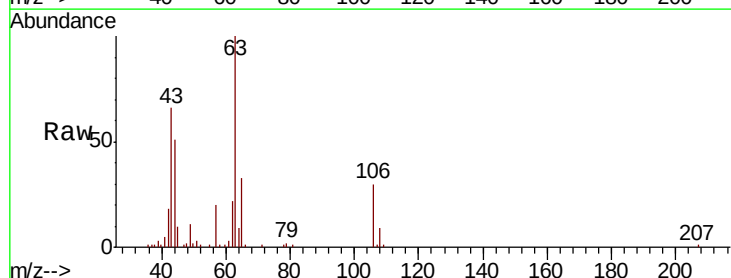
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

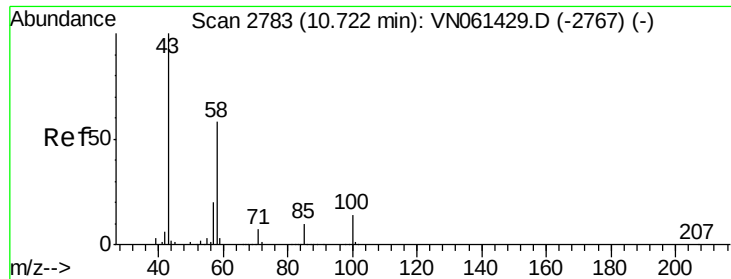
Tot Ion: 76 Resp: 31361
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 24.074 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

Tgt Ion: 63 Resp: 53930
 Ion Ratio Lower Upper
 63 100
 106 27.5 22.7 34.1

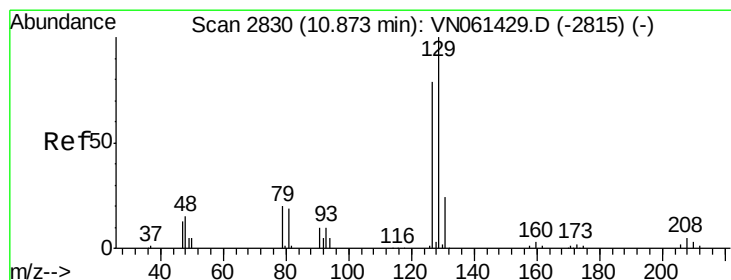
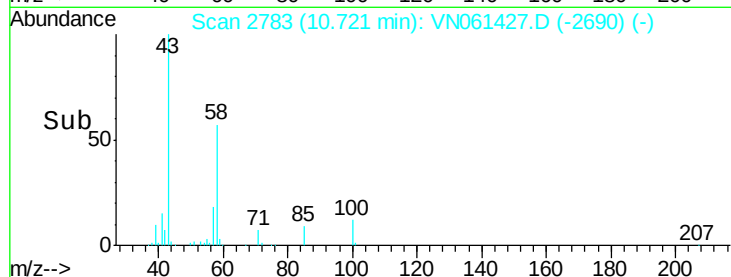
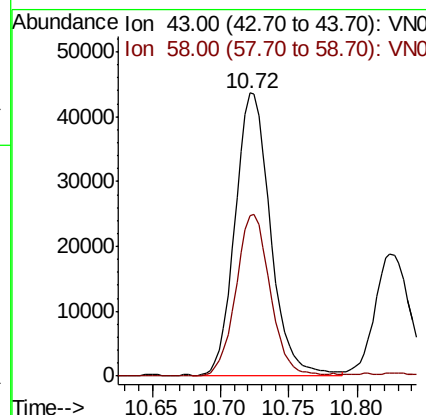
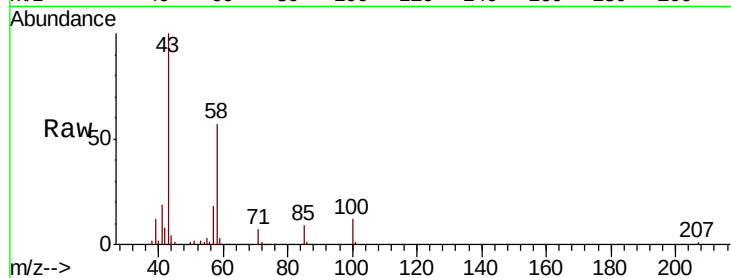




#59
2-Hexanone
Concen: 28.290 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

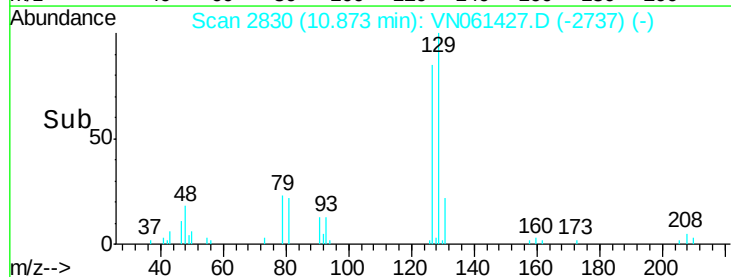
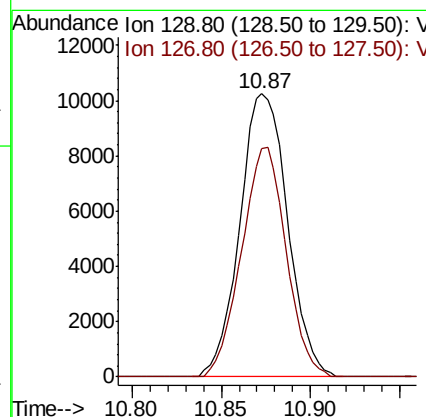
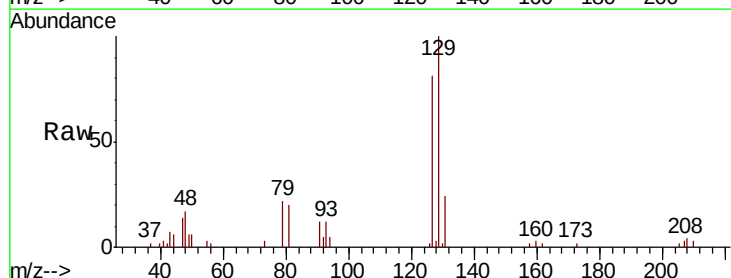
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

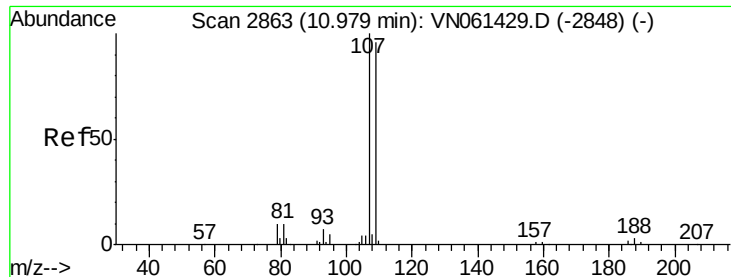
Tot Ion: 43 Resp: 78061
Ion Ratio Lower Upper
43 100
58 55.9 29.2 87.6



#60
Dibromochloromethane
Concen: 5.309 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Tgt Ion: 129 Resp: 19145
Ion Ratio Lower Upper
129 100
127 75.5 38.8 116.3

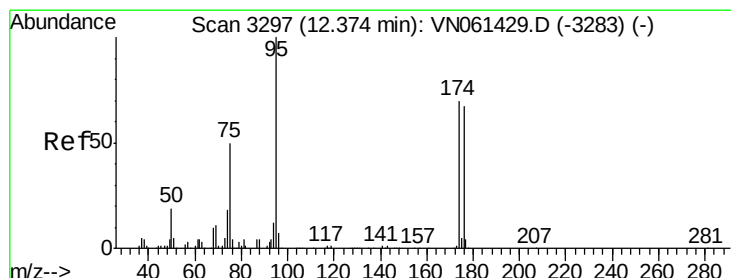
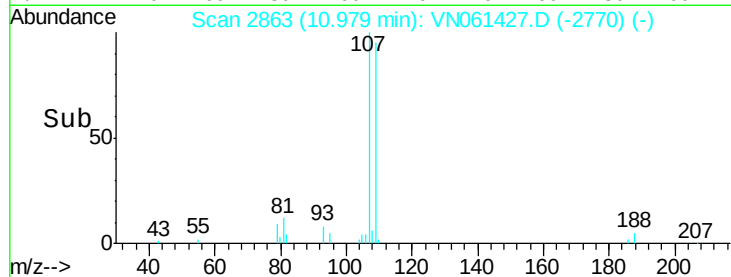
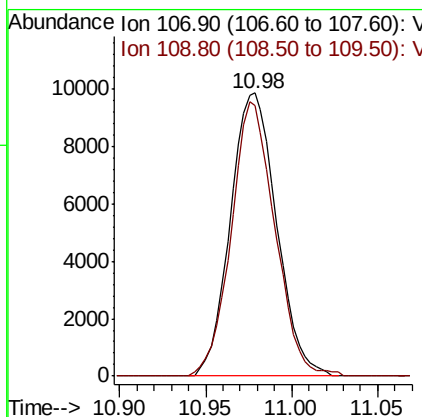
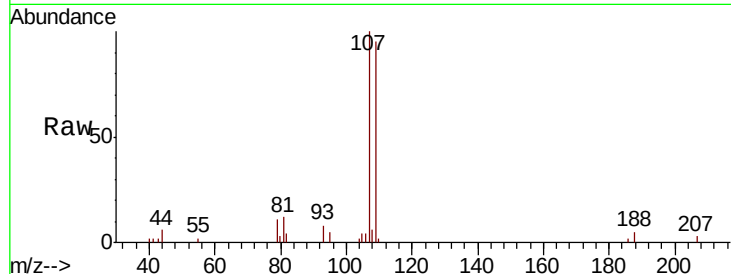




#61
 1,2-Dibromoethane
 Concen: 5.407 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

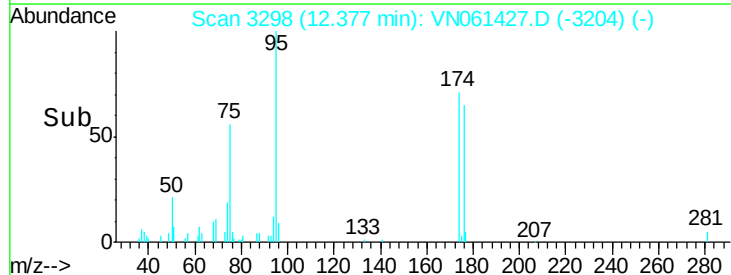
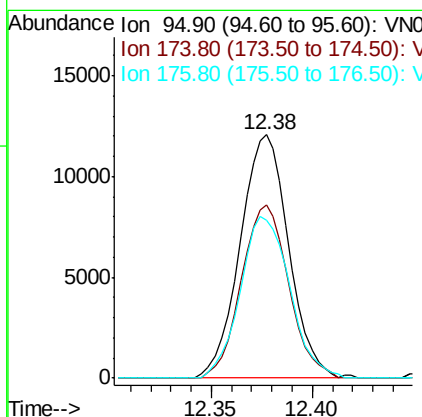
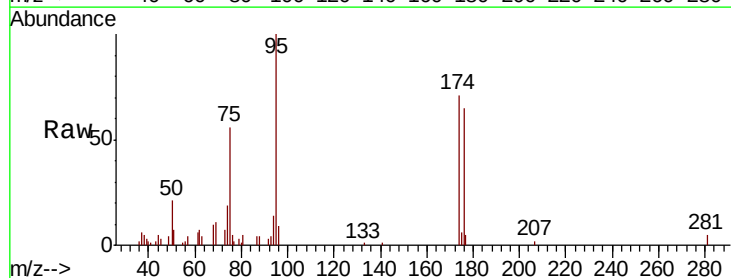
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

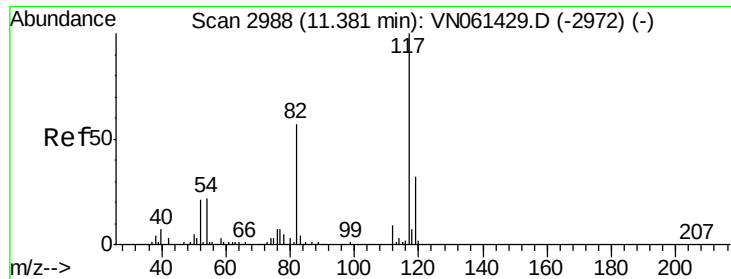
Tot Ion:107 Resp: 18449
 Ion Ratio Lower Upper
 107 100
 109 91.6 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 4.737 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

Tgt Ion: 95 Resp: 20290
 Ion Ratio Lower Upper
 95 100
 174 69.6 0.0 141.2
 176 67.9 0.0 137.6

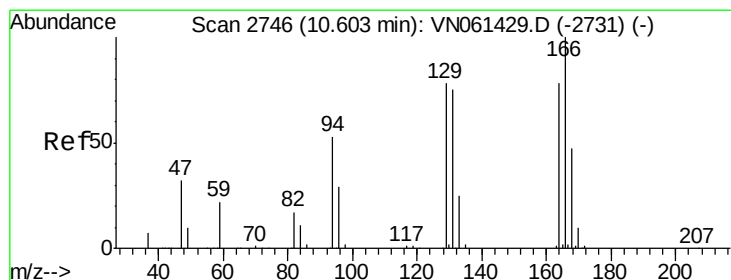
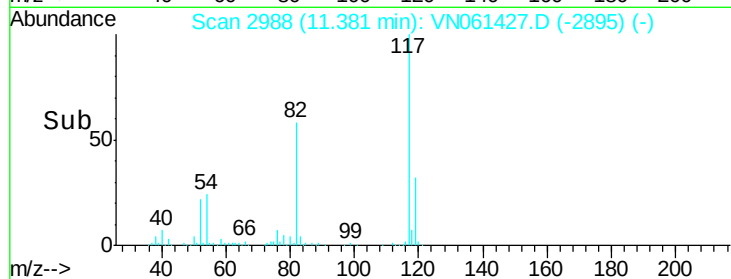
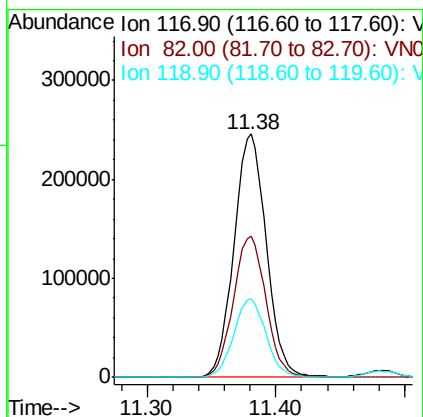
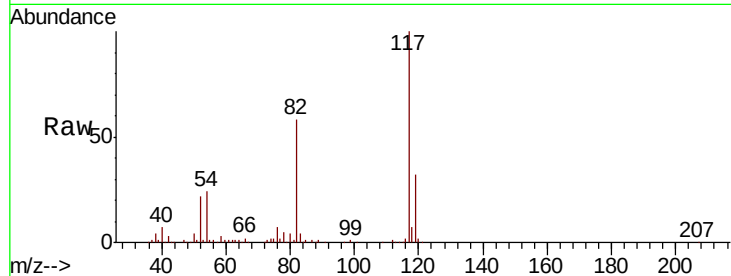




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

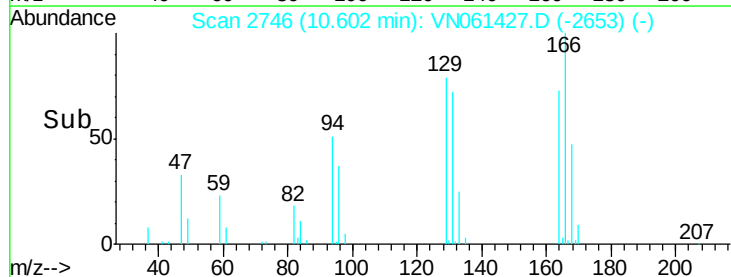
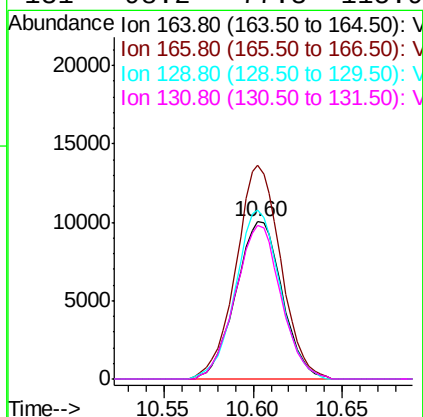
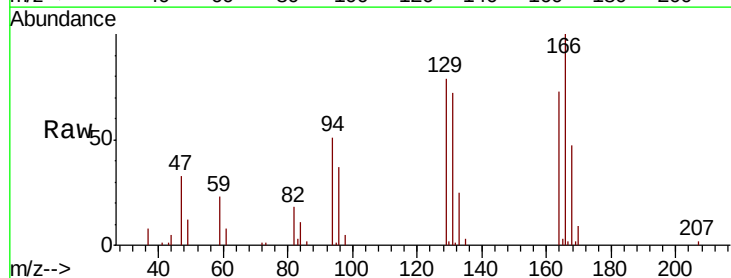
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

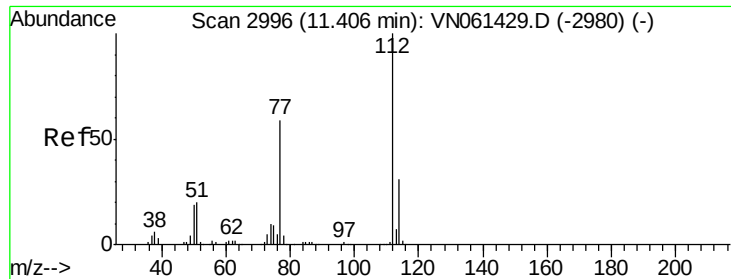
Tot Ion:117 Resp: 428963
Ion Ratio Lower Upper
117 100
82 57.8 45.2 67.8
119 32.2 25.3 37.9



#64
Tetrachloroethene
Concen: 5.407 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Tgt Ion:164 Resp: 18160
Ion Ratio Lower Upper
164 100
166 136.2 103.2 154.8
129 107.8 81.0 121.4
131 98.2 77.3 115.9

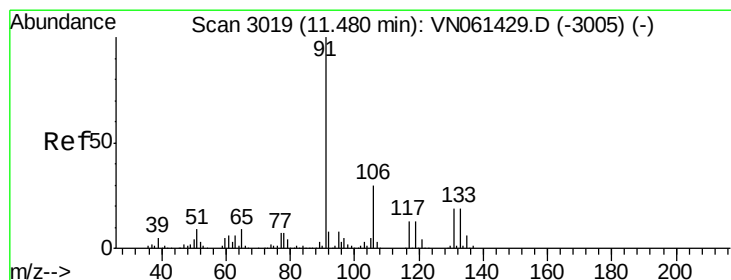
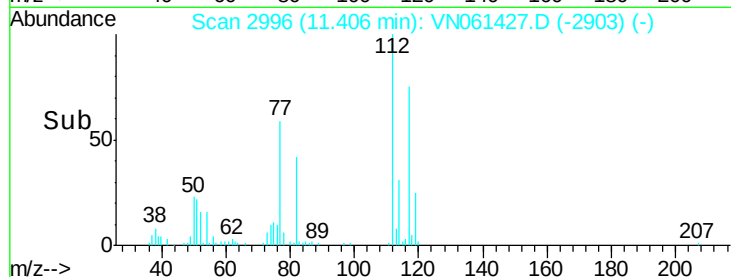
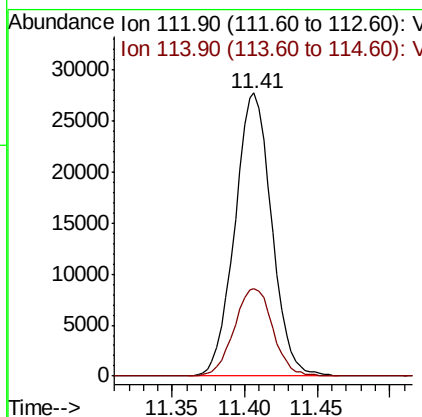
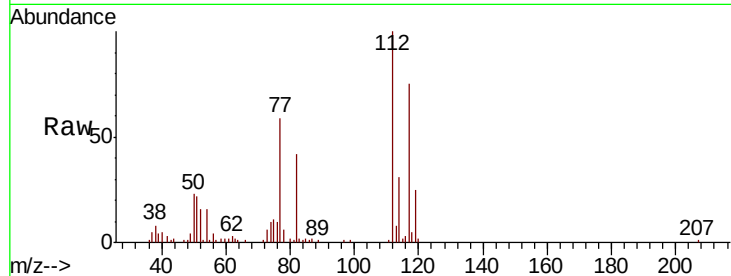




#65
Chlorobenzene
Concen: 5.499 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

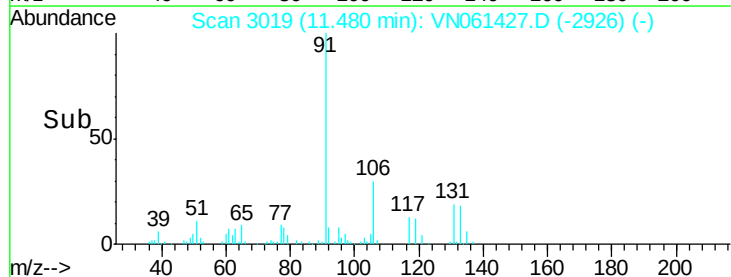
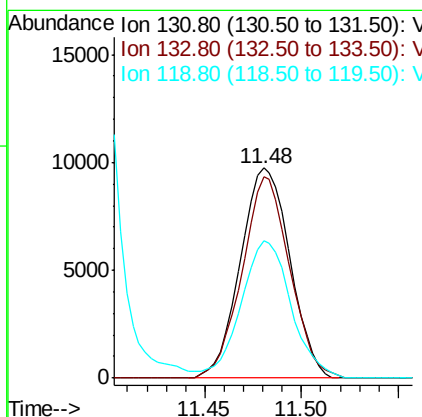
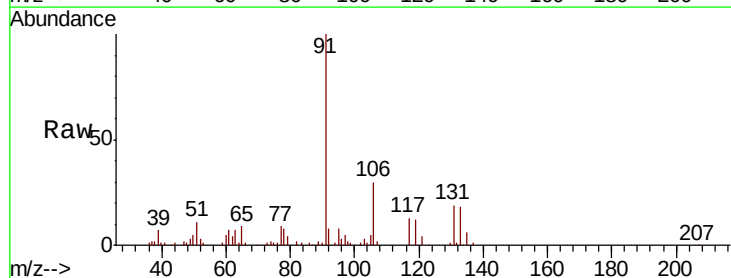
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

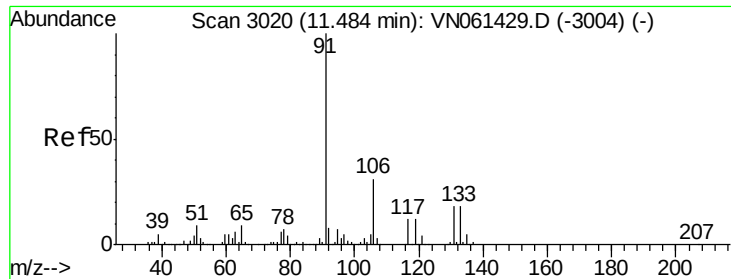
Tot Ion:112 Resp: 48955
Ion Ratio Lower Upper
112 100
114 30.9 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 5.518 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Tgt Ion:131 Resp: 17341
Ion Ratio Lower Upper
131 100
133 92.2 48.7 146.1
119 66.3 33.8 101.3

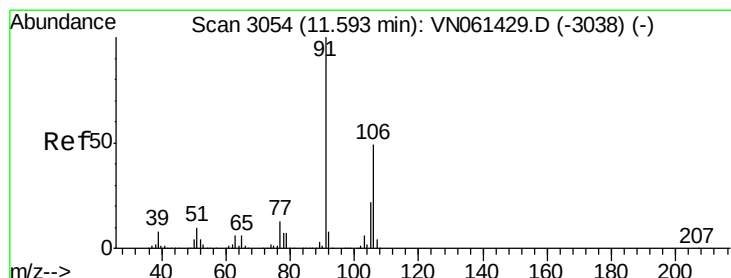
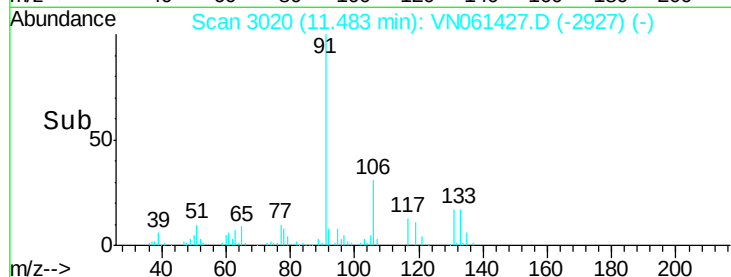
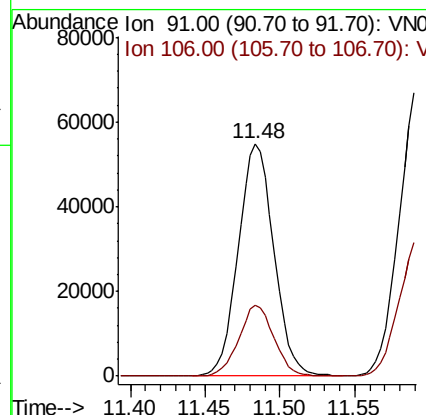
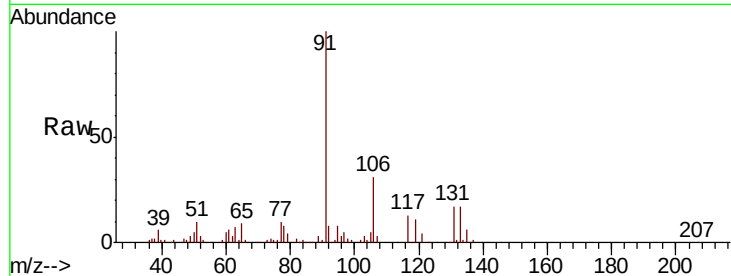




#67
Ethyl Benzene
Concen: 5.513 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

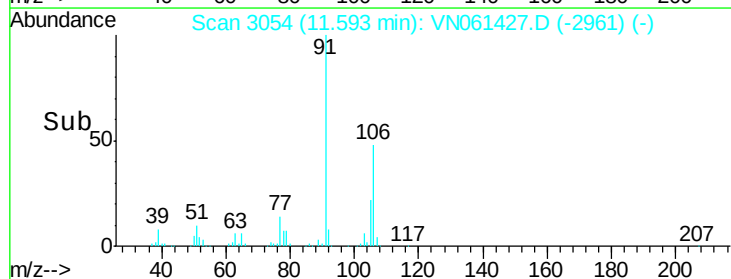
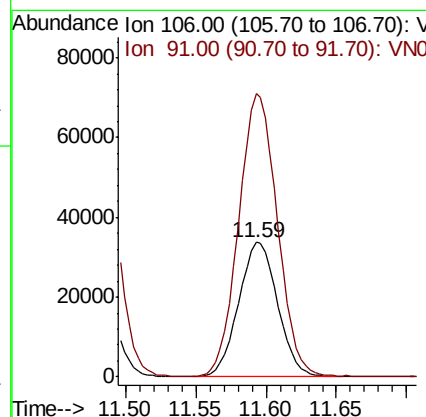
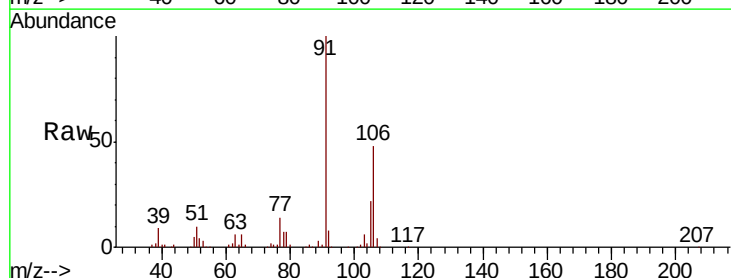
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

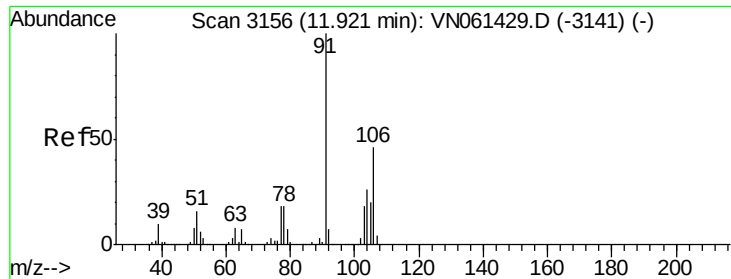
Tot Ion: 91 Resp: 90928
Ion Ratio Lower Upper
91 100
106 30.6 24.6 36.8



#68
m/p-Xylenes
Concen: 10.544 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Tgt Ion: 106 Resp: 65327
Ion Ratio Lower Upper
106 100
91 209.3 163.0 244.6

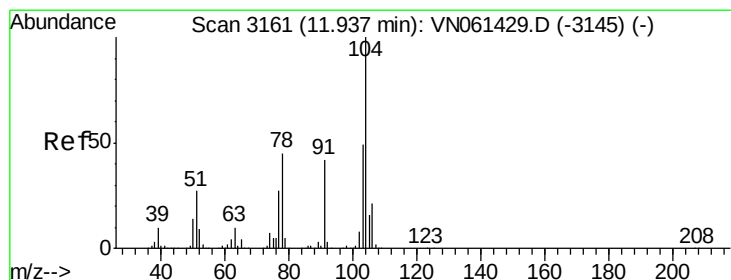
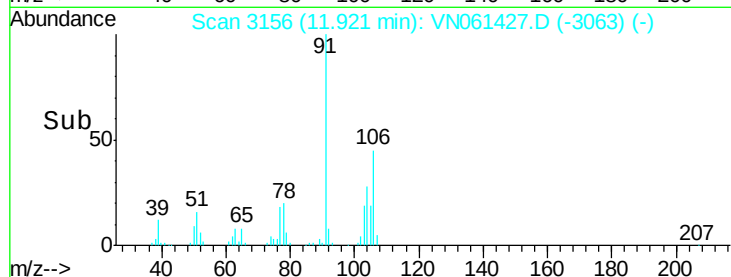
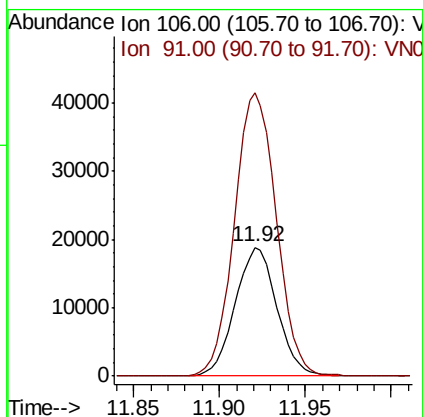
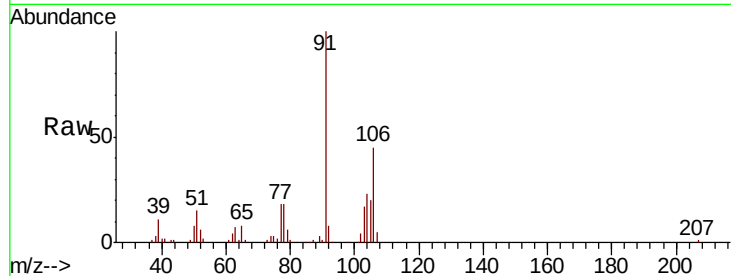




#69
o-Xylene
Concen: 5.290 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

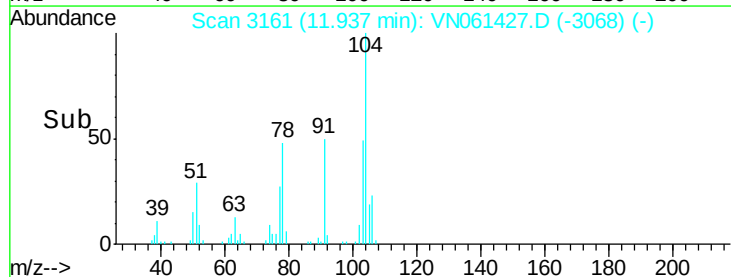
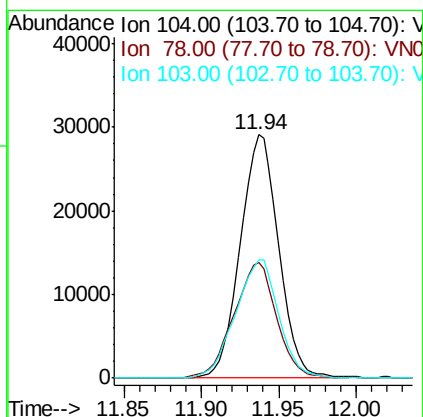
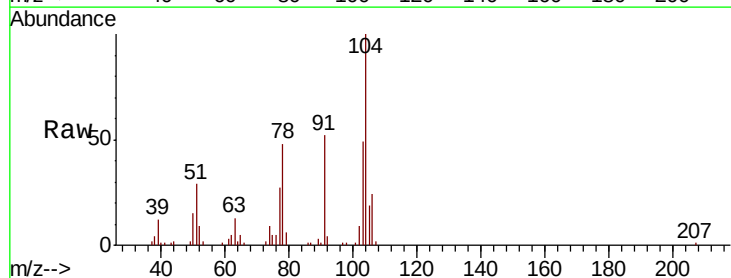
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

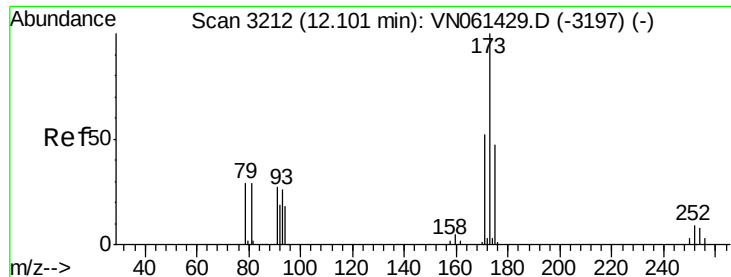
Tot Ion:106 Resp: 31791
Ion Ratio Lower Upper
106 100
91 221.2 107.9 323.7



#70
Styrene
Concen: 4.990 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Tgt Ion:104 Resp: 50352
Ion Ratio Lower Upper
104 100
78 52.8 40.7 61.1
103 54.6 43.0 64.4





#71

Bromoform

Concen: 5.172 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

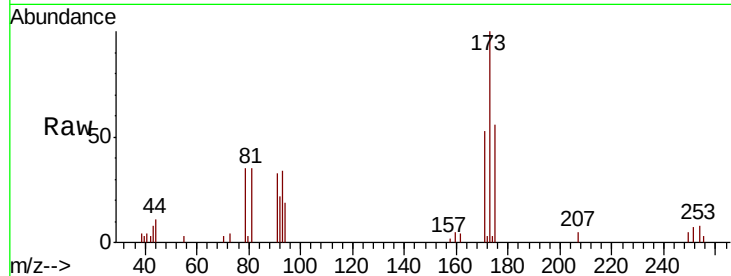
Tot Ion:173 Resp: 11448

Ion Ratio Lower Upper

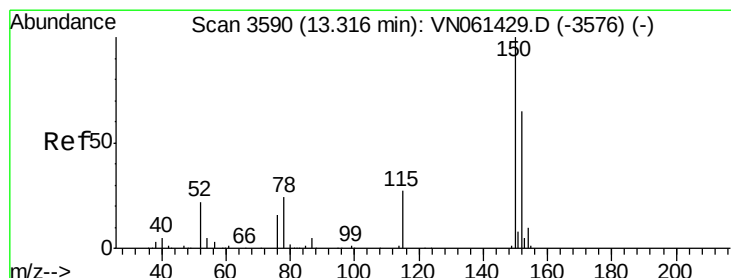
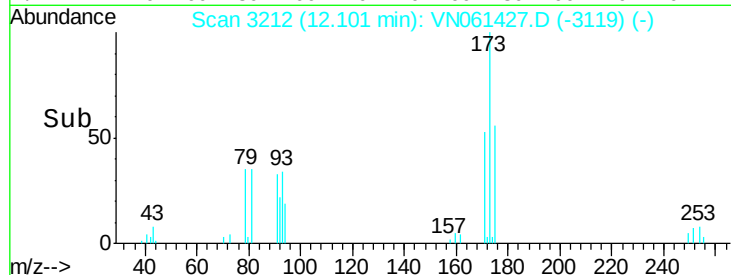
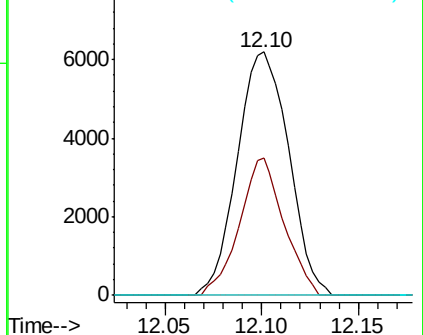
173 100

175 48.6 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: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

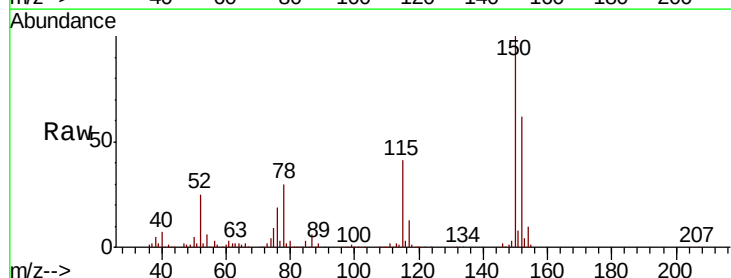
Tgt Ion:152 Resp: 178176

Ion Ratio Lower Upper

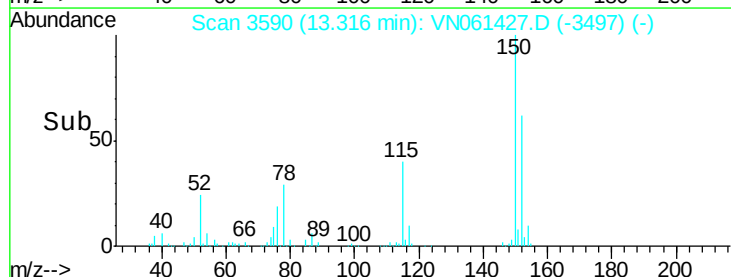
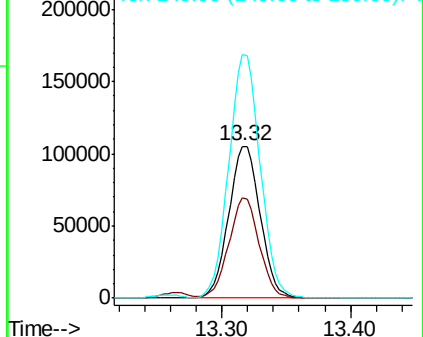
152 100

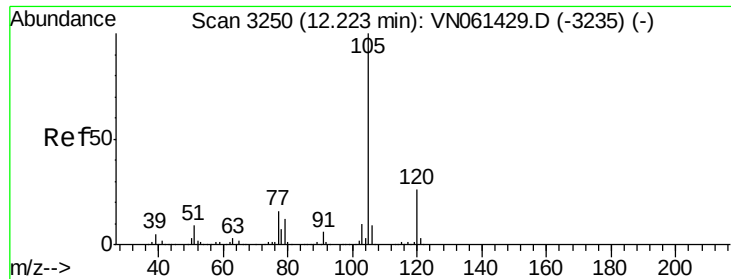
115 63.3 30.9 92.5

150 159.4 0.0 349.2



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: 6.070 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

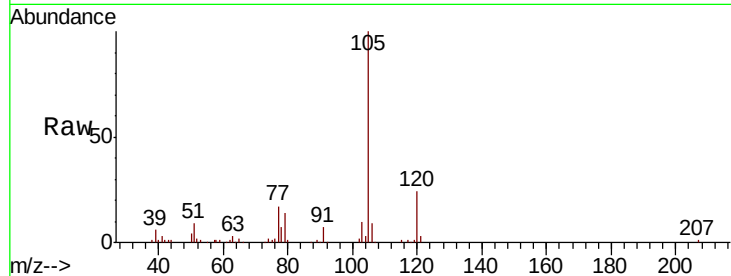
VSTDIC005

Tot Ion:105 Resp: 88033

Ion Ratio Lower Upper

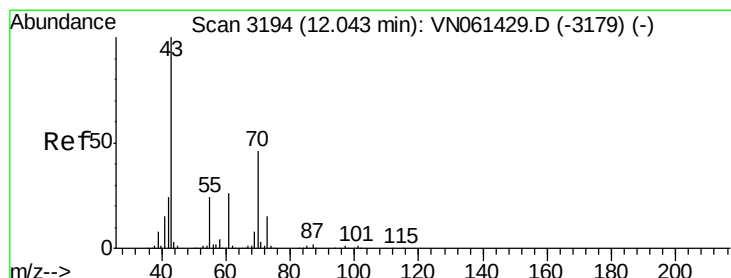
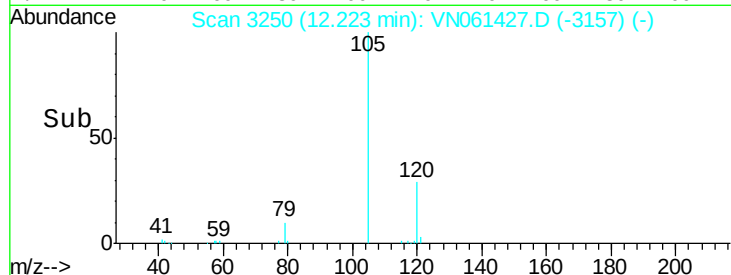
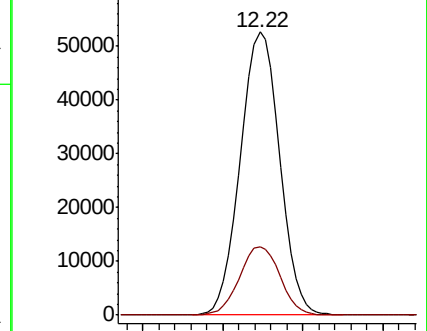
105 100

120 24.8 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 5.800 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Tgt Ion: 43 Resp: 32895

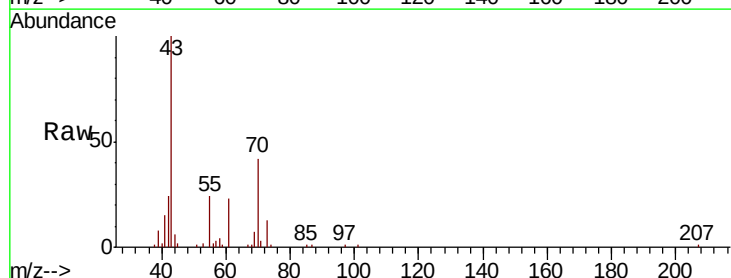
Ion Ratio Lower Upper

43 100

70 42.5 37.0 55.4

55 23.8 19.5 29.3

61 24.2 20.8 31.2

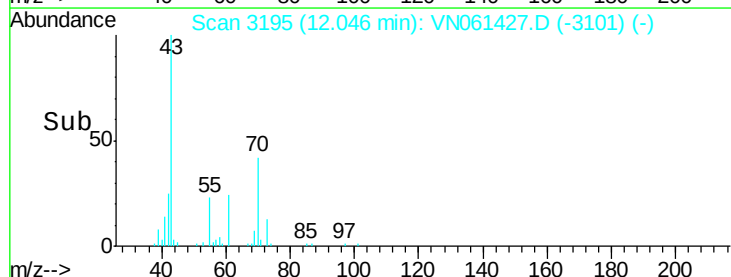
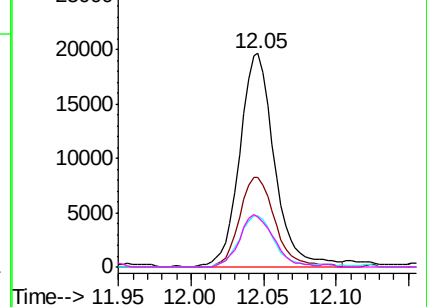


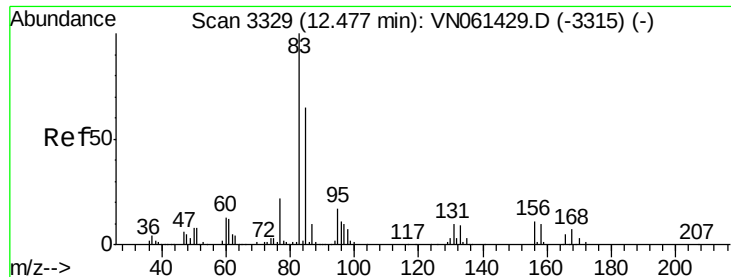
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 6.093 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

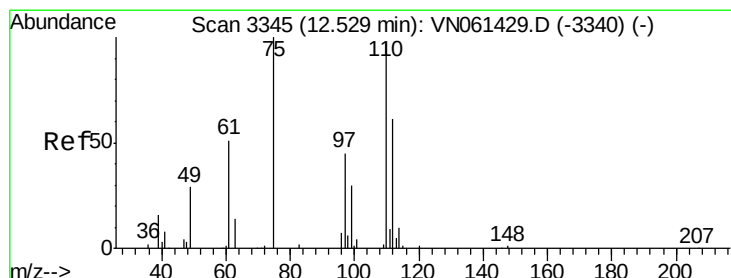
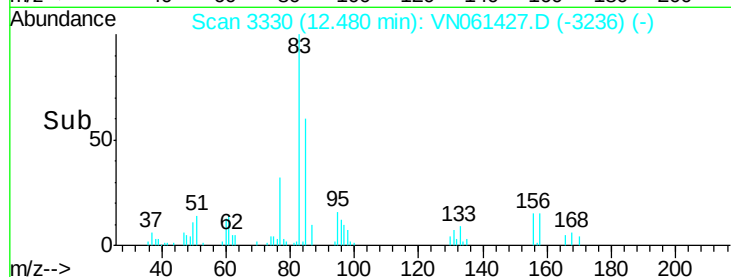
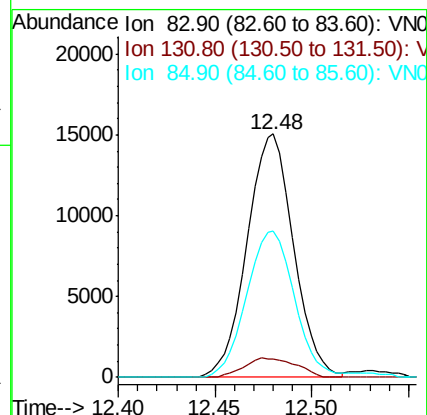
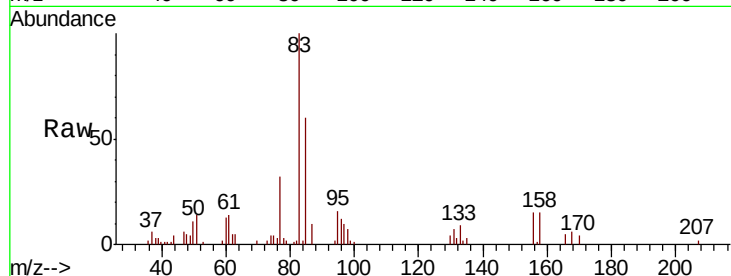
Tot Ion: 83 Resp: 25188

Ion Ratio Lower Upper

83 100

131 8.8 4.8 14.4

85 61.6 32.1 96.5



#76

1,2,3-Trichloropropane

Concen: 8.913 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN061427.D

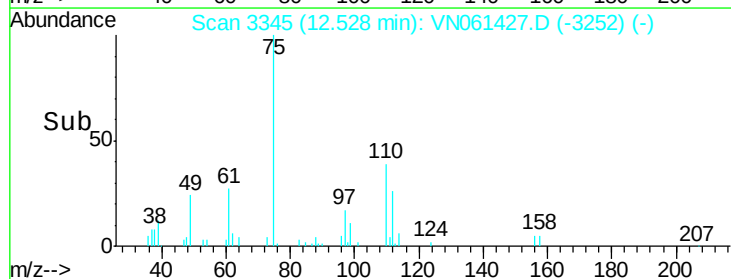
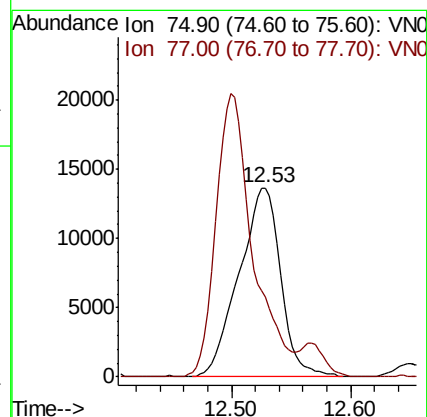
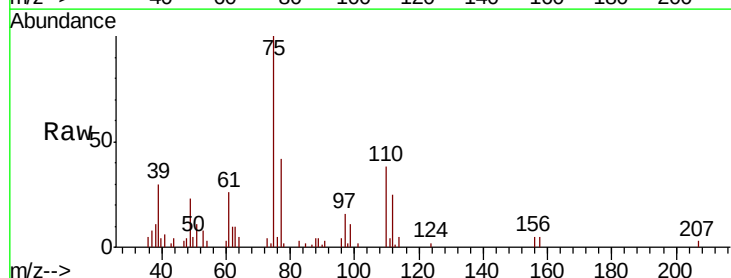
Acq: 18 May 2020 11:14

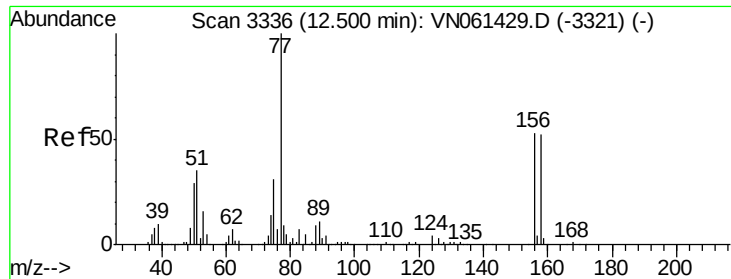
Tgt Ion: 75 Resp: 33168

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 5.603 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

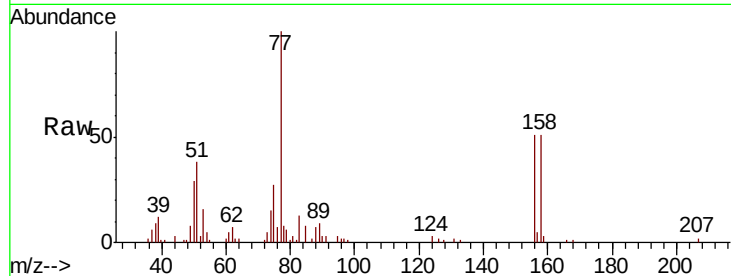
Tot Ion:156 Resp: 17785

Ion Ratio Lower Upper

156 100

77 247.4 112.3 336.9

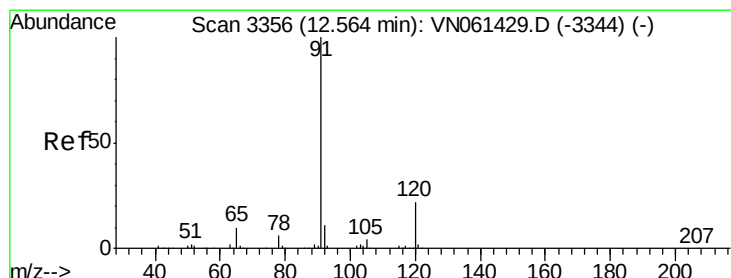
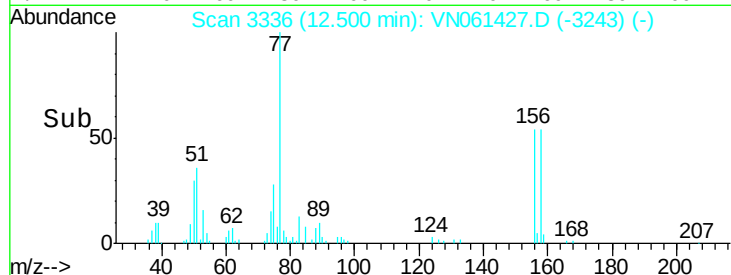
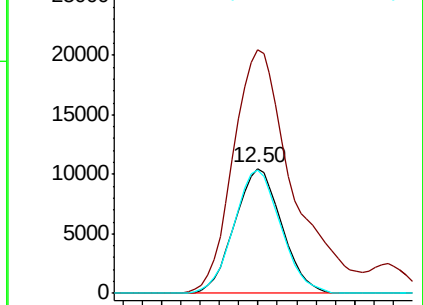
158 98.2 47.9 143.6



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: 5.799 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061427.D

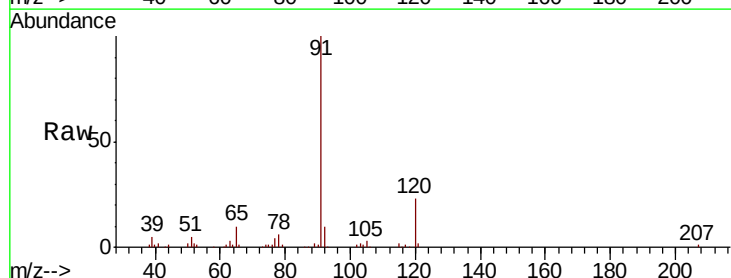
Acq: 18 May 2020 11:14

Tgt Ion: 91 Resp: 98028

Ion Ratio Lower Upper

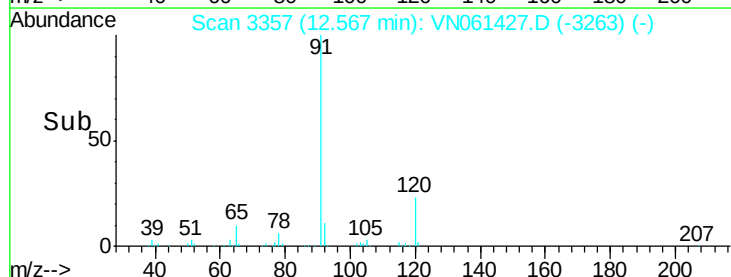
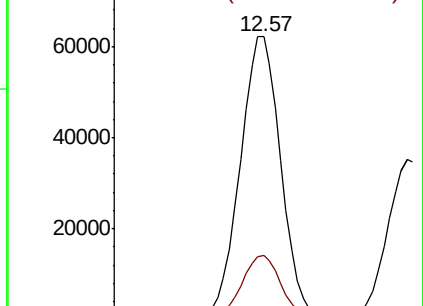
91 100

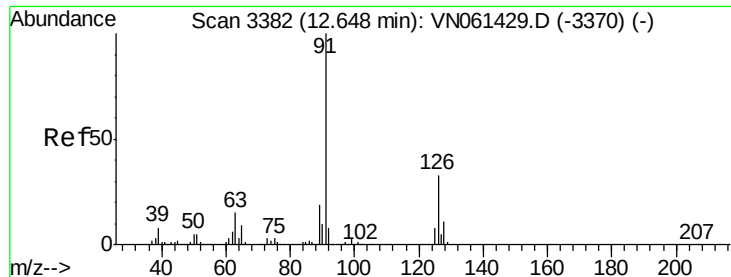
120 22.6 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

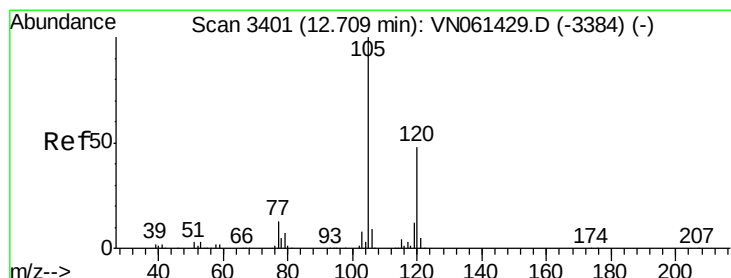
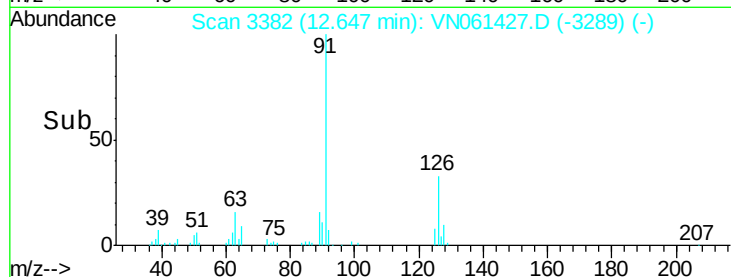
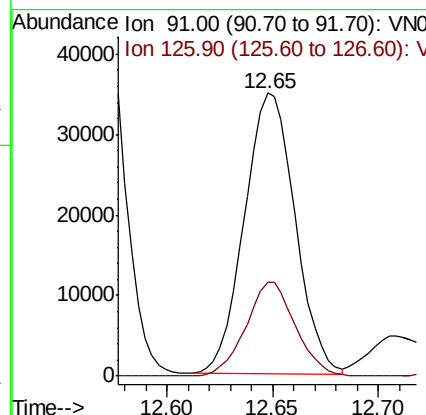
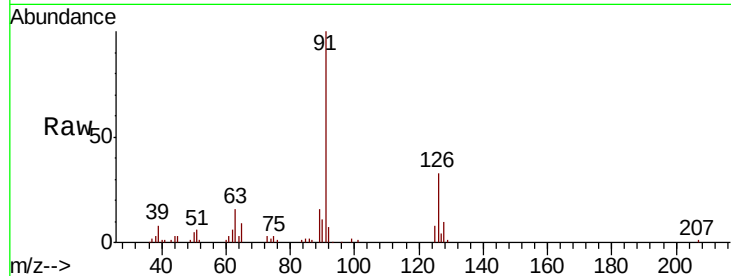




#79
 2-Chlorotoluene
 Concen: 5.877 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. -0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

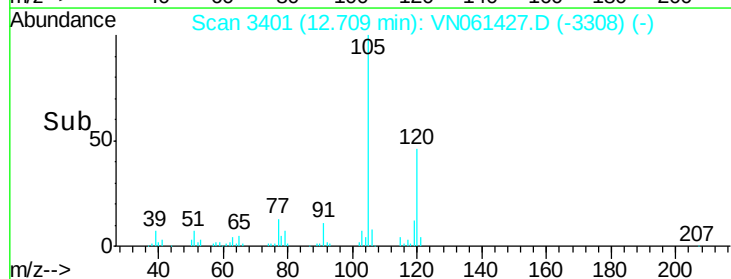
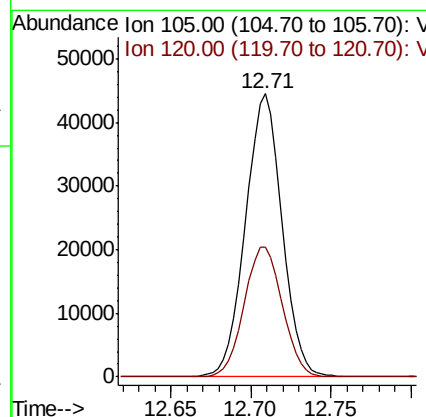
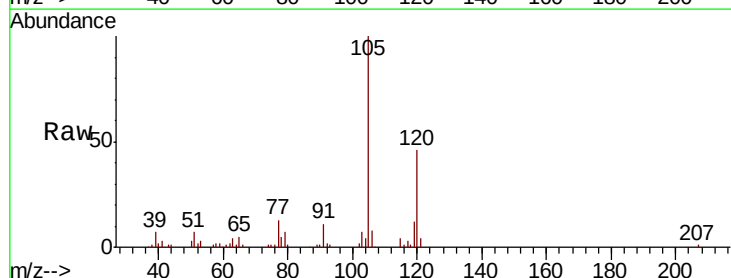
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

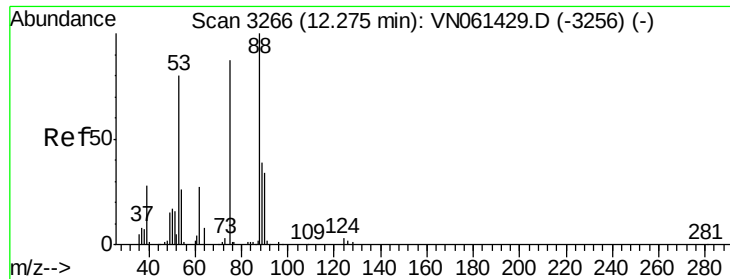
Tot Ion: 91 Resp: 58248
 Ion Ratio Lower Upper
 91 100
 126 32.7 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 5.721 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

Tgt Ion: 105 Resp: 69429
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 5.825 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

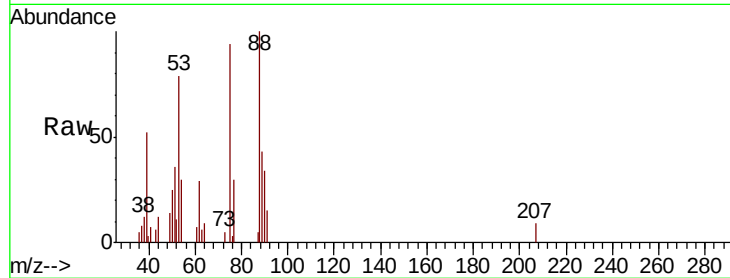
Tot Ion: 75 Resp: 8289

Ion Ratio Lower Upper

75 100

53 94.7 75.2 112.8

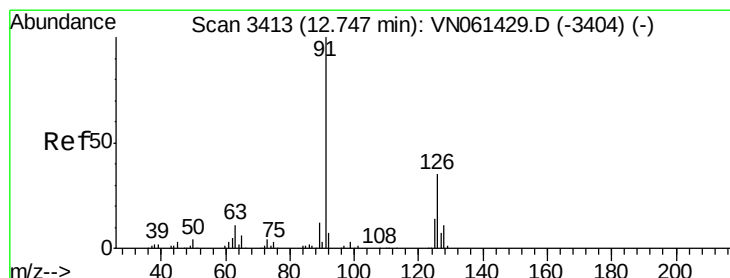
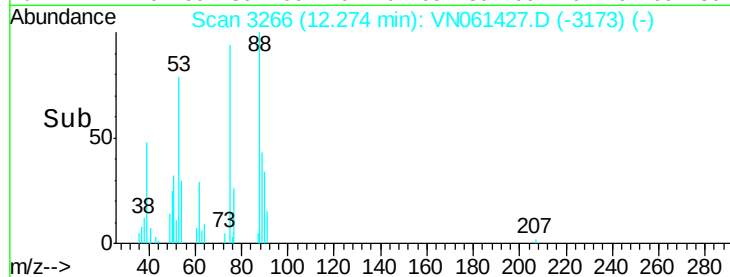
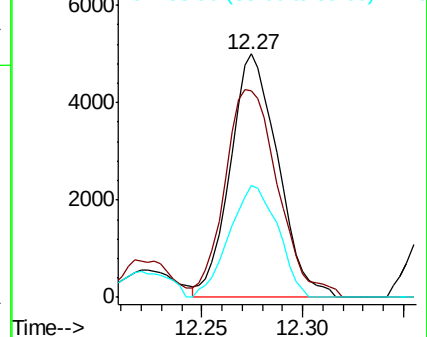
89 46.6 38.2 57.4



Abundance Ion 74.90 (74.60 to 75.60): VN061427.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN061427.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN061427.D (-3173) (-)



#82

4-Chlorotoluene

Concen: 5.502 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN061427.D

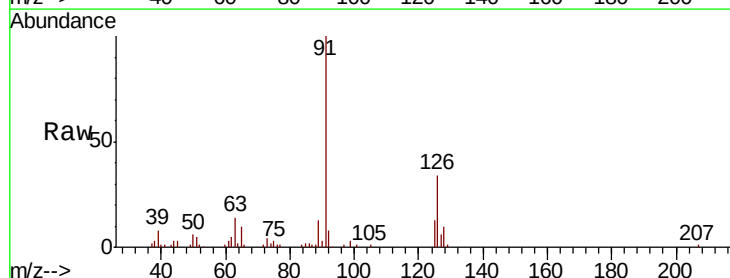
Acq: 18 May 2020 11:14

Tgt Ion: 91 Resp: 57298

Ion Ratio Lower Upper

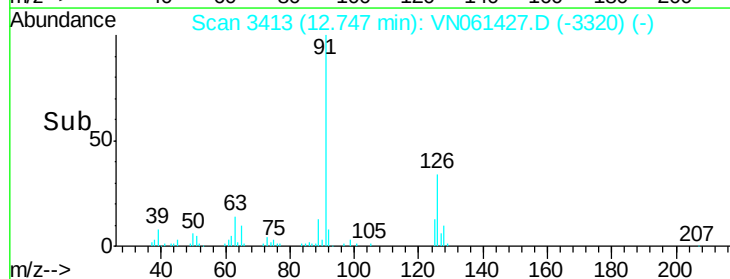
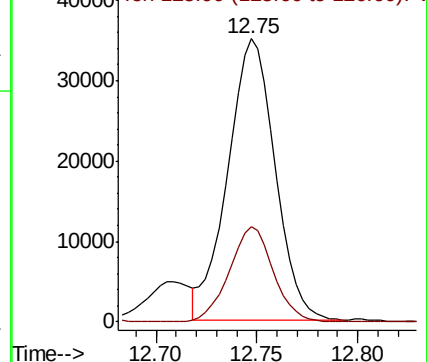
91 100

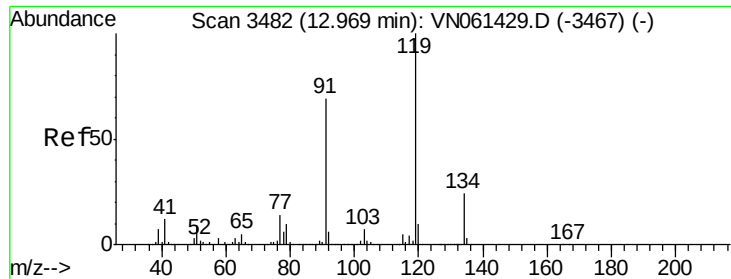
126 31.5 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VN061427.D (-3320) (-)

Ion 125.90 (125.60 to 126.60): VN061427.D (-3320) (-)

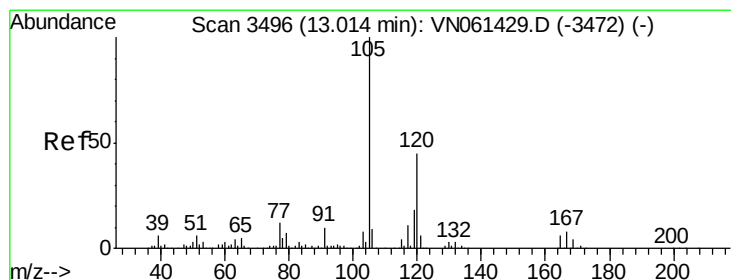
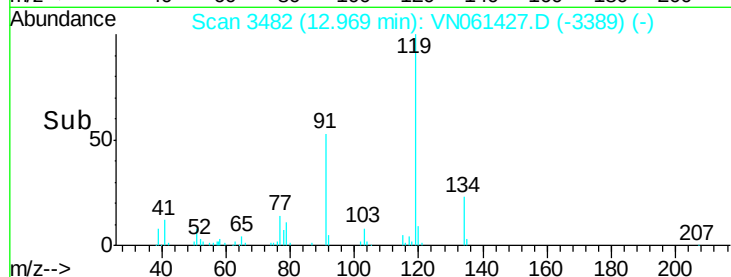
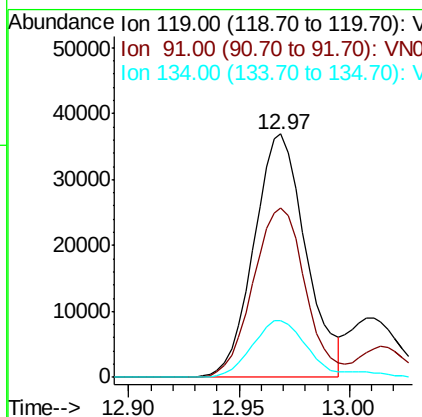
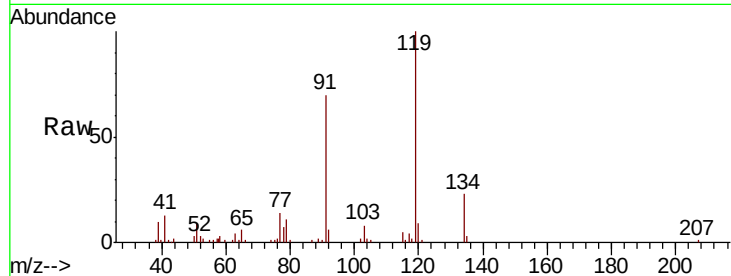




#83
 tert-Butylbenzene
 Concen: 5.816 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

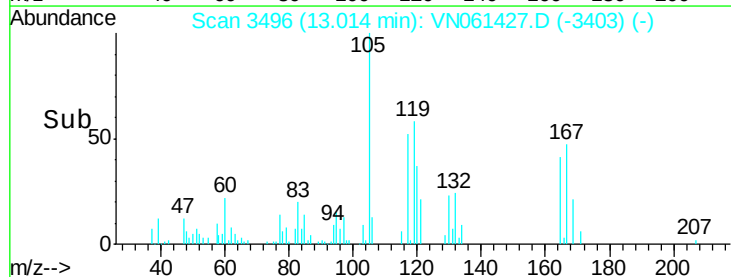
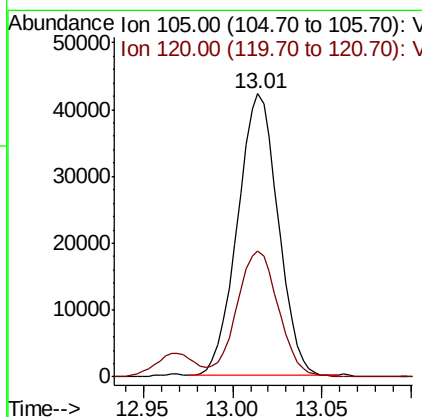
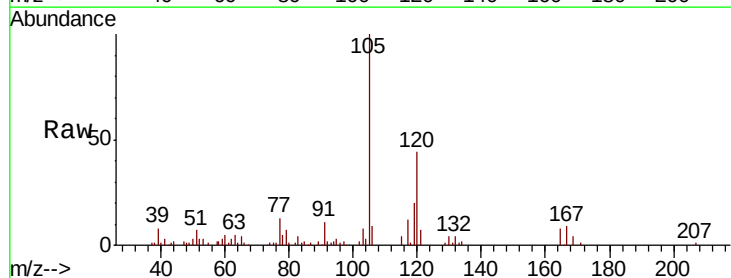
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

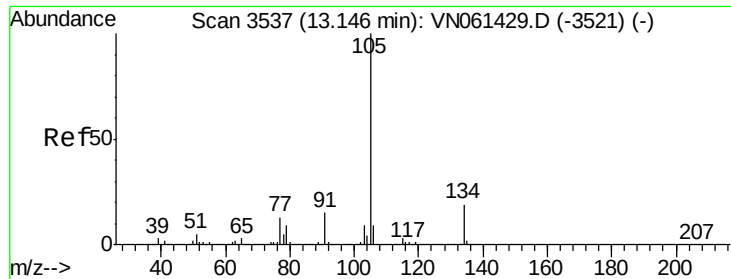
Tot Ion:119 Resp: 60219
 Ion Ratio Lower Upper
 119 100
 91 70.0 33.7 101.0
 134 25.7 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 5.554 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

Tgt Ion:105 Resp: 67260
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.4 67.3





#85

sec-Butylbenzene

Concen: 5.844 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

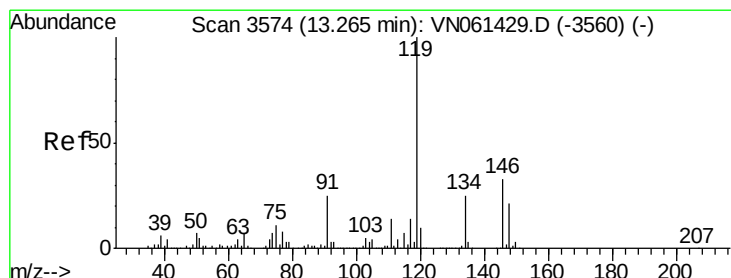
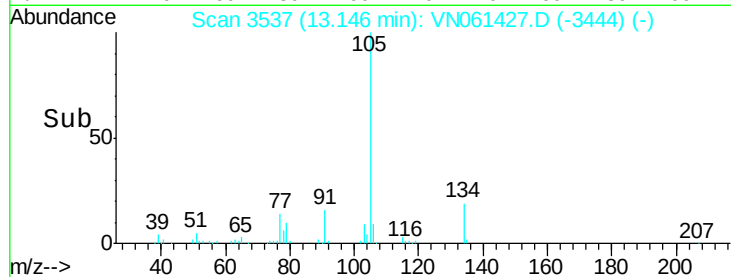
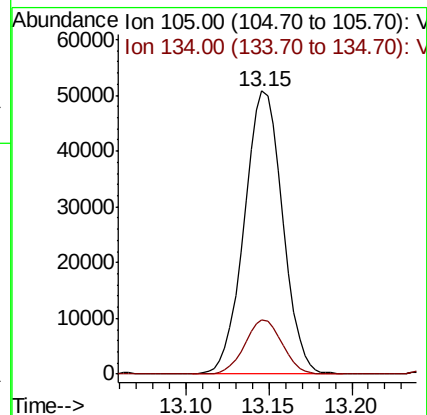
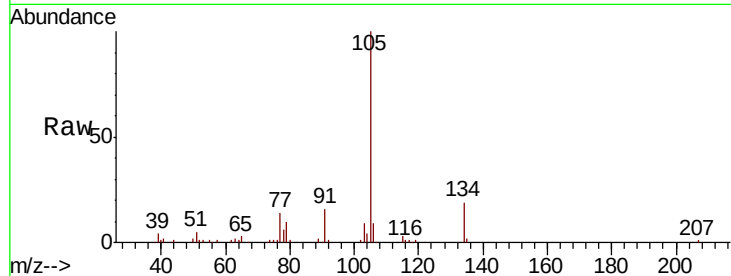
VSTDIC005

Tot Ion:105 Resp: 81667

Ion Ratio Lower Upper

105 100

134 18.7 9.8 29.5



#86

p-Isopropyltoluene

Concen: 5.776 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

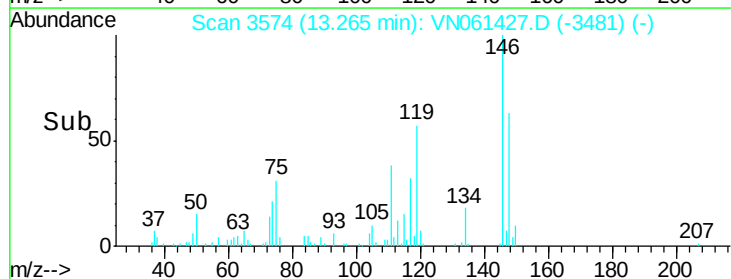
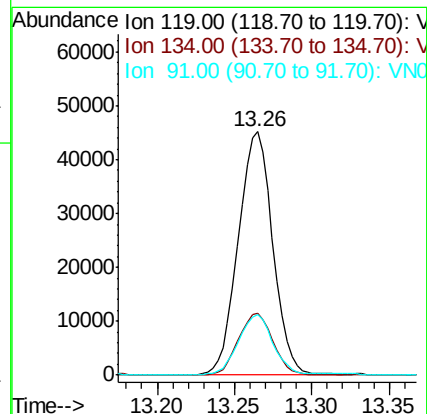
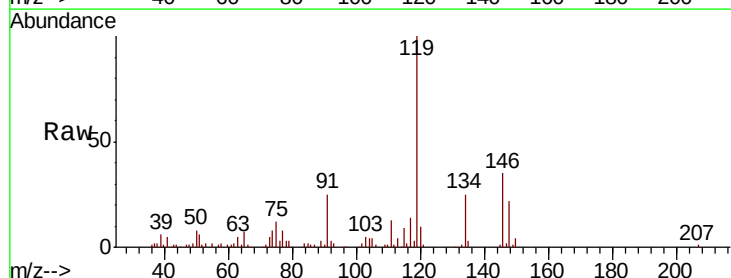
Tgt Ion:119 Resp: 70076

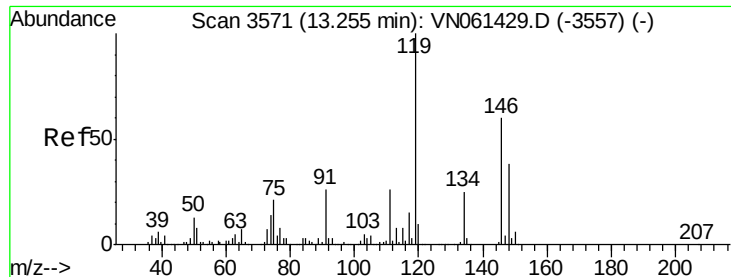
Ion Ratio Lower Upper

119 100

134 25.3 12.7 38.1

91 25.0 12.6 37.6

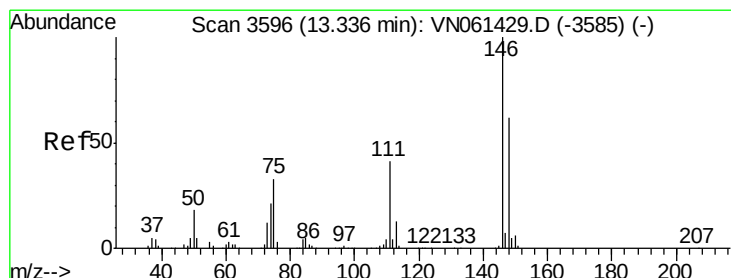
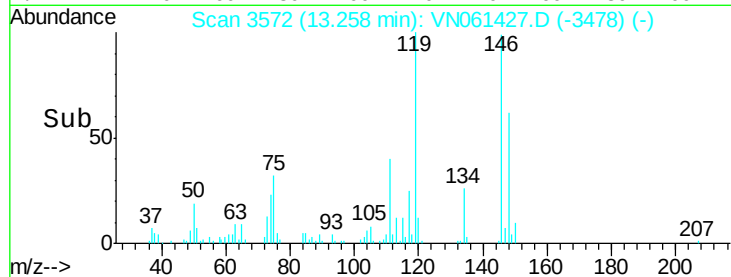
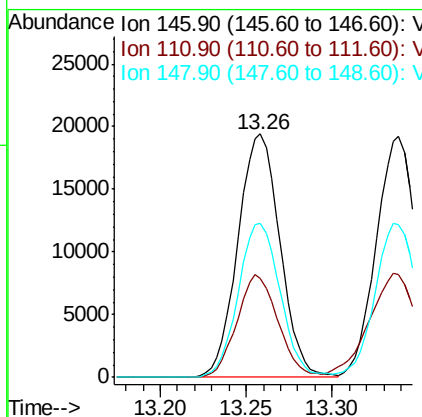
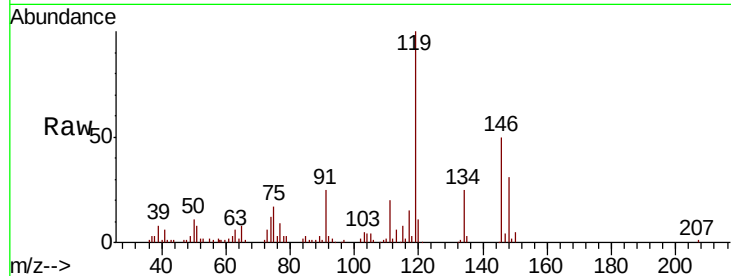




#87
 1,3-Dichlorobenzene
 Concen: 5.732 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

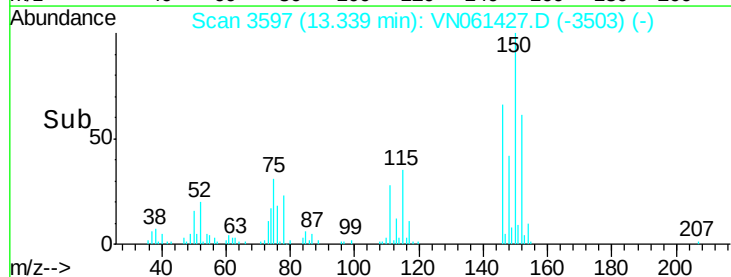
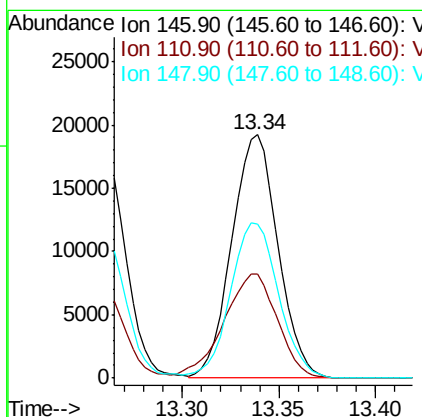
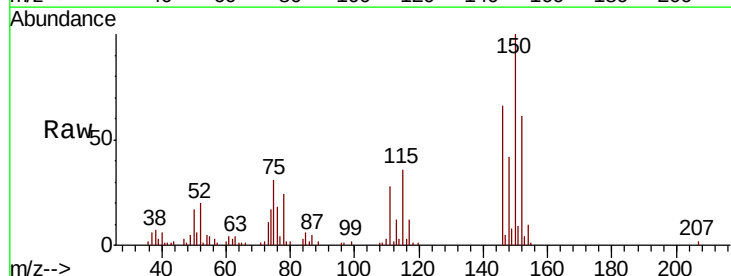
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

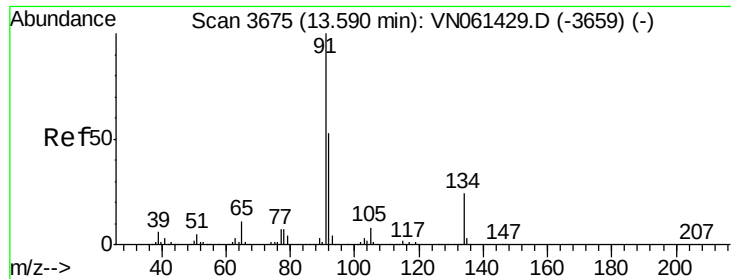
Tot Ion:146 Resp: 32990
 Ion Ratio Lower Upper
 146 100
 111 41.3 21.5 64.5
 148 63.1 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 5.402 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

Tgt Ion:146 Resp: 31933
 Ion Ratio Lower Upper
 146 100
 111 49.8 20.8 62.5
 148 66.6 31.6 94.8





#89

n-Butylbenzene

Concen: 5.550 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

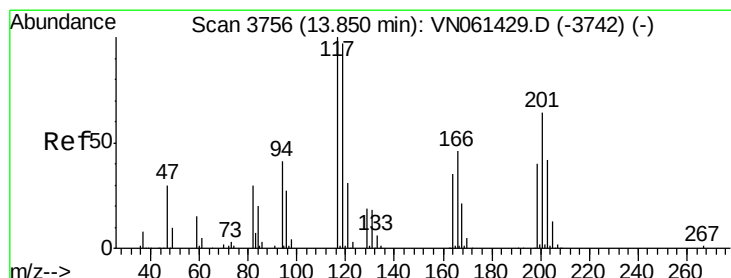
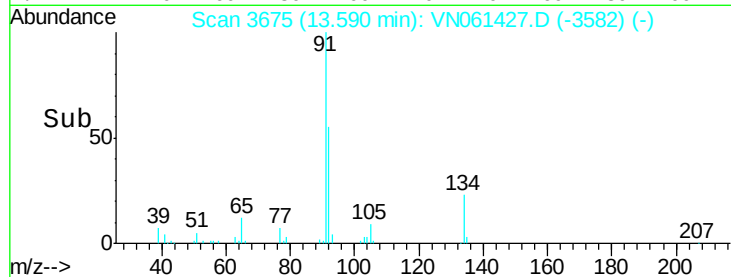
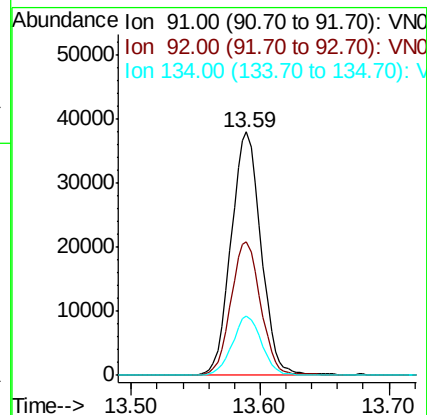
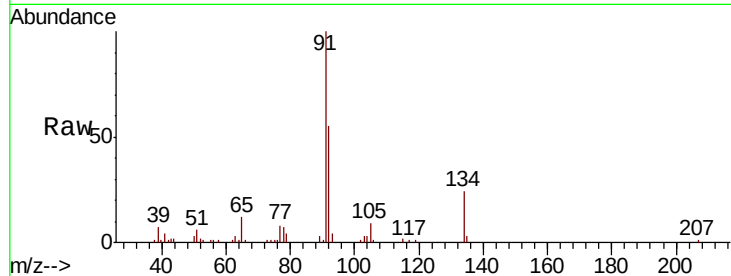
Tot Ion: 91 Resp: 61094

Ion Ratio Lower Upper

91 100

92 54.2 26.8 80.3

134 23.8 12.4 37.4



#90

Hexachloroethane

Concen: 5.388 ug/l

RT: 13.85 min Scan# 3755

Delta R.T. -0.00 min

Lab File: VN061427.D

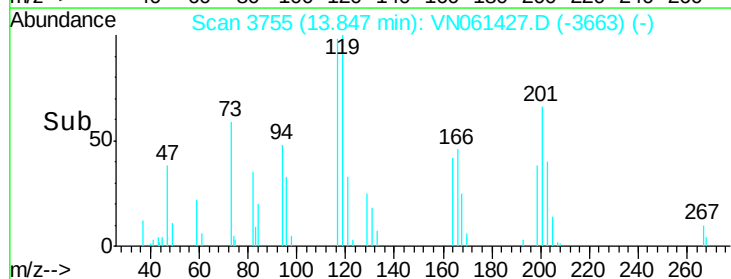
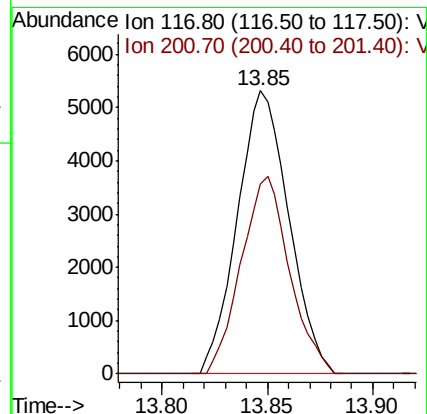
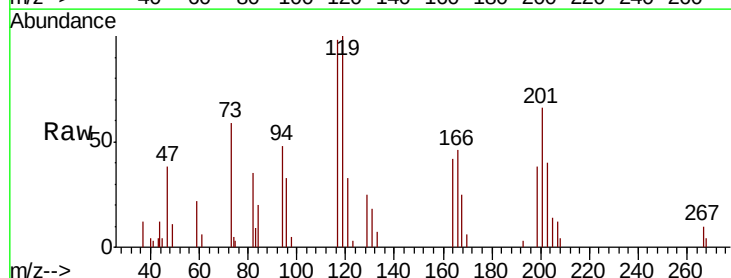
Acq: 18 May 2020 11:14

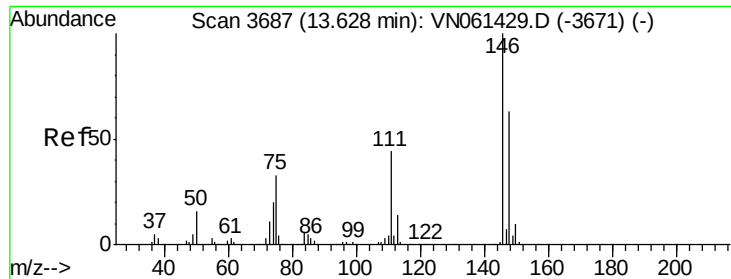
Tgt Ion: 117 Resp: 9006

Ion Ratio Lower Upper

117 100

201 65.7 32.9 98.7

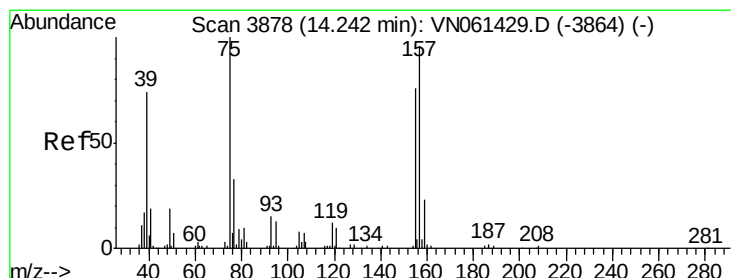
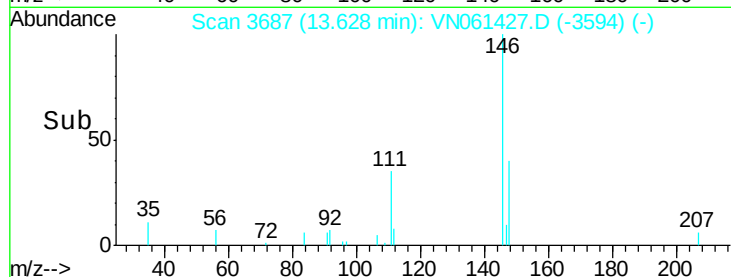
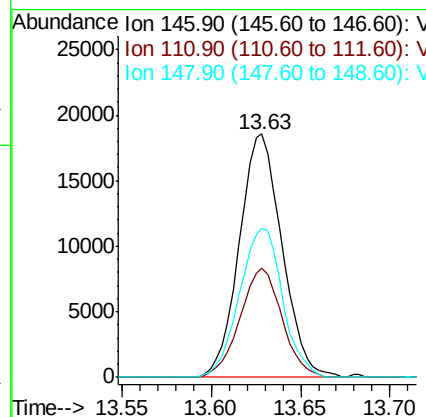
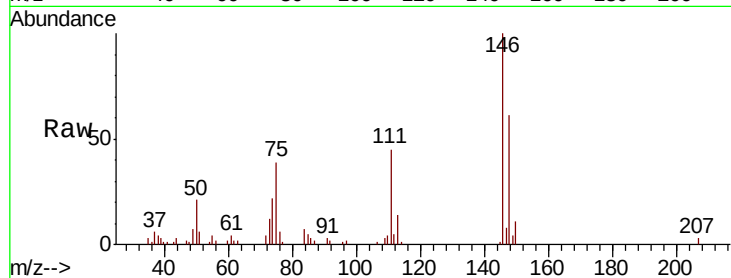




#91
 1,2-Dichlorobenzene
 Concen: 5.625 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

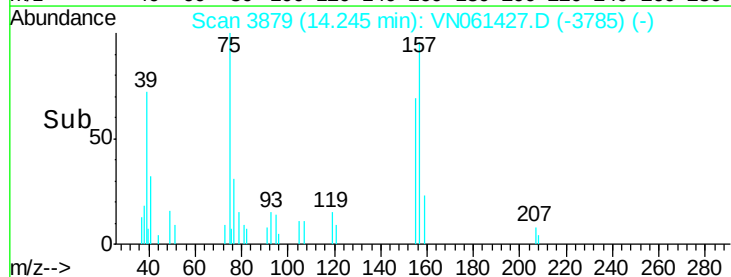
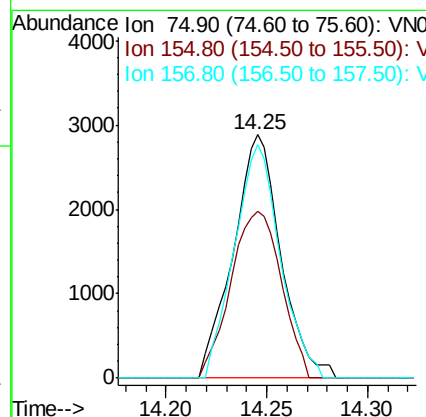
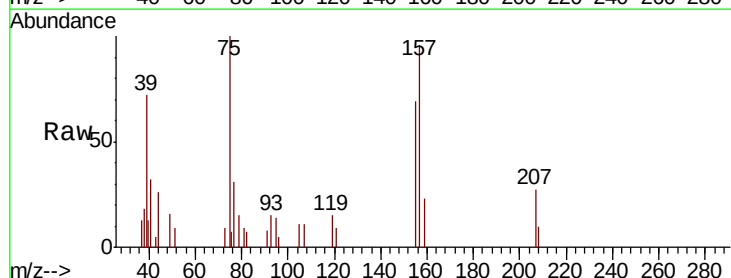
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

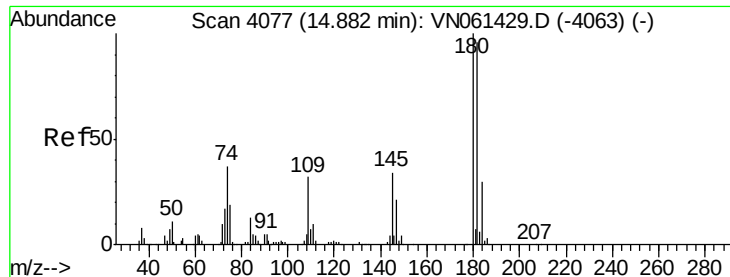
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.9	65.7
148	61.8	31.6	94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.993 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.6	38.9	116.7
157	92.5	48.6	145.8

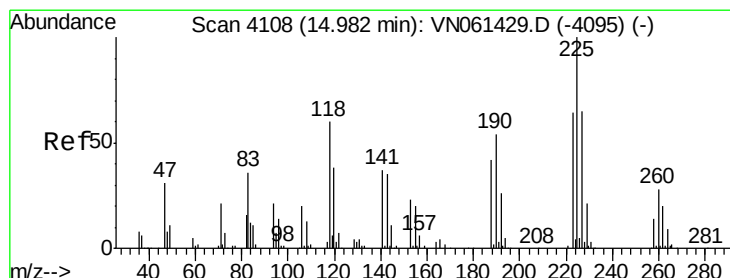
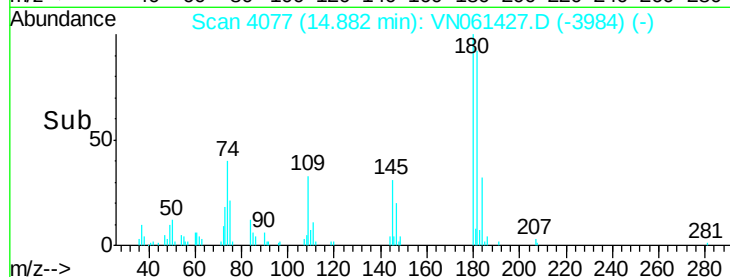
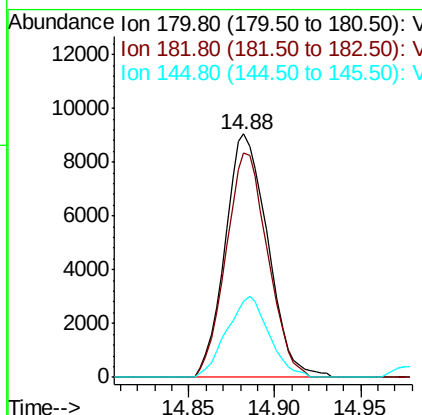
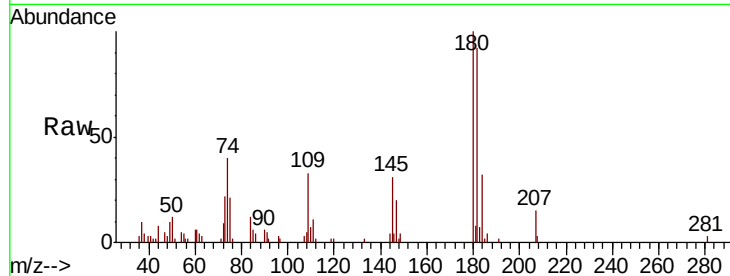




#93
 1,2,4-Trichlorobenzene
 Concen: 5.162 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

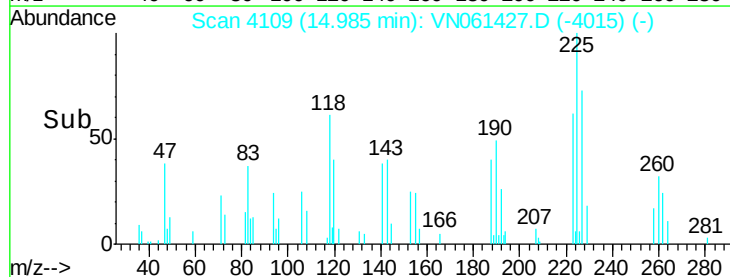
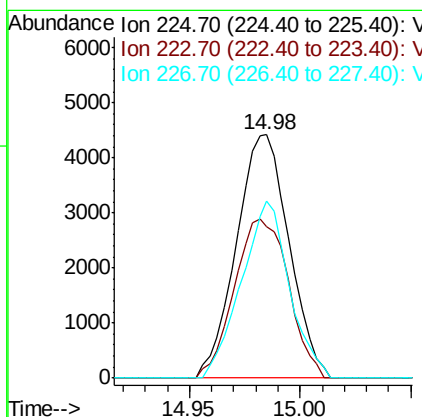
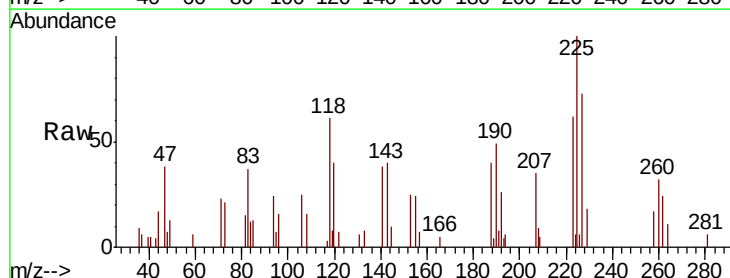
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

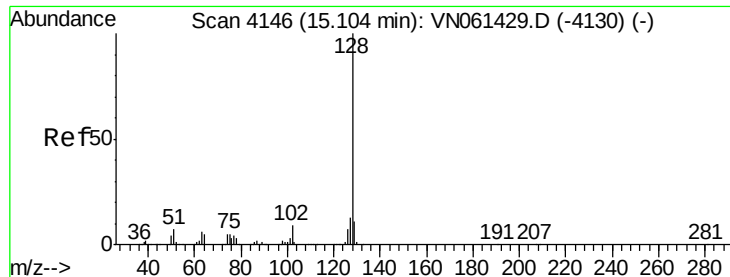
Tot Ion:180 Resp: 15573
 Ion Ratio Lower Upper
 180 100
 182 90.2 47.0 141.0
 145 33.1 16.7 50.0



#94
 Hexachlorobutadiene
 Concen: 6.310 ug/l
 RT: 14.98 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

Tgt Ion:225 Resp: 7331
 Ion Ratio Lower Upper
 225 100
 223 67.3 31.9 95.7
 227 66.2 31.5 94.5





#95

Naphthalene

Concen: 4.871 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

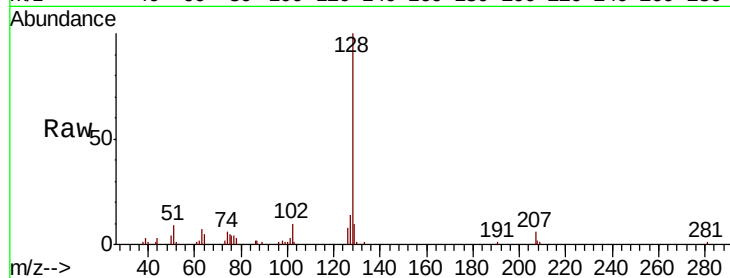
Tot Ion:128 Resp: 47592

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

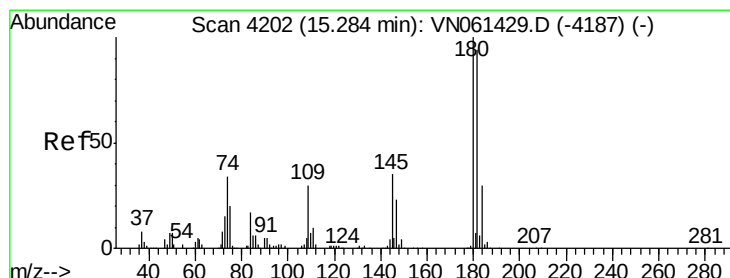
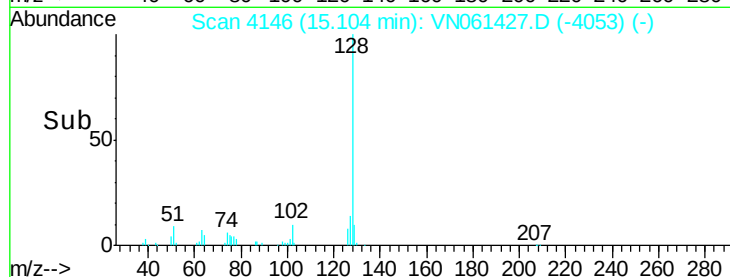
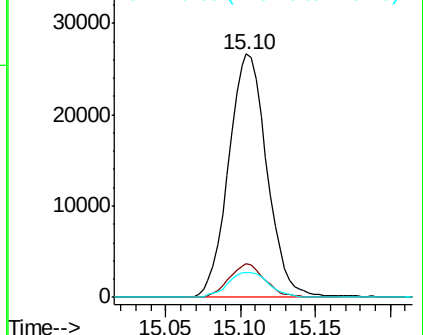
129 10.7 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 5.111 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

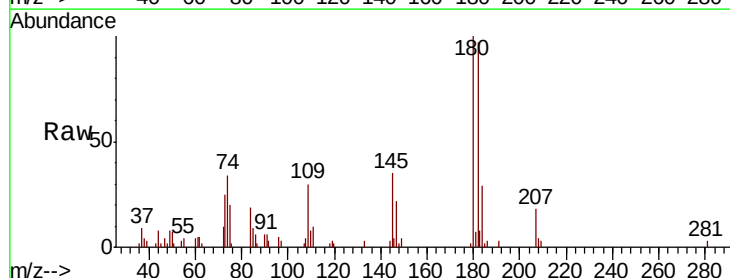
Tgt Ion:180 Resp: 15411

Ion Ratio Lower Upper

180 100

182 96.3 47.8 143.3

145 35.0 17.3 51.9



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

