

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052620\NOT REVIEWED DATA\
 Data File : VX016428.D
 Acq On : 26 May 2020 15:54
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Quant Time: May 26 18:05:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052620W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 26 16:32:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	133395	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	231453	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	213423	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	95341	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	9639	5.58	ug/l	0.00
Spiked Amount			Recovery	=	11.16%	
35) Dibromofluoromethane	5.48	113	7812	5.28	ug/l	0.01
Spiked Amount			Recovery	=	10.56%	
50) Toluene-d8	8.70	98	25950	4.76	ug/l	0.00
Spiked Amount			Recovery	=	9.52%	
62) 4-Bromofluorobenzene	11.12	95	9435	4.66	ug/l	0.00
Spiked Amount			Recovery	=	9.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	5136	4.744	ug/l	95
3) Chloromethane	1.31	50	7425	5.609	ug/l	95
4) Vinyl Chloride	1.39	62	10117	5.786	ug/l	99
5) Bromomethane	1.62	94	15065	9.425	ug/l	99
6) Chloroethane	1.70	64	7432	5.764	ug/l	96
7) Trichlorofluoromethane	1.91	101	17426	5.990	ug/l	97
8) Diethyl Ether	2.17	74	7538	6.357	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.36	101	7459	5.900	ug/l	97
10) Methyl Iodide	2.49	142	4647	8.570	ug/l	97
11) Tert butyl alcohol	3.02	59	11861	29.695	ug/l #	94
12) 1,1-Dichloroethene	2.36	96	7424	5.743	ug/l	89
13) Acrolein	2.27	56	8723	31.798	ug/l	97
14) Allyl chloride	2.70	41	12225	5.789	ug/l	93
15) Acrylonitrile	3.12	53	22103	27.790	ug/l	97
16) Acetone	2.42	43	20032	29.107	ug/l	99
17) Carbon Disulfide	2.55	76	22456	5.870	ug/l	100
18) Methyl Acetate	2.75	43	9908	5.903	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	24790	5.502	ug/l	95
20) Methylene Chloride	2.83	84	8850	5.961	ug/l	96
21) trans-1,2-Dichloroethene	3.14	96	8215	5.592	ug/l	94
22) Diisopropyl ether	3.82	45	23172	5.447	ug/l	96
23) Vinyl Acetate	3.79	43	100350	26.377	ug/l	99
24) 1,1-Dichloroethane	3.67	63	14472	5.735	ug/l #	95
25) 2-Butanone	4.64	43	31167	27.871	ug/l	94
26) 2,2-Dichloropropane	4.55	77	12861	5.607	ug/l	96
27) cis-1,2-Dichloroethene	4.56	96	9565	5.715	ug/l	99
28) Bromochloromethane	4.98	49	7086	5.858	ug/l	86
29) Tetrahydrofuran	5.10	42	19490	26.892	ug/l	97
30) Chloroform	5.18	83	14654	5.526	ug/l	97
31) Cyclohexane	5.55	56	12212	5.702	ug/l	91
32) 1,1,1-Trichloroethane	5.46	97	13309	5.482	ug/l	95
36) 1,1-Dichloropropene	5.76	75	11030	5.376	ug/l	97
37) Ethyl Acetate	4.80	43	12180	5.371	ug/l #	93
38) Carbon Tetrachloride	5.76	117	11222	5.046	ug/l #	91

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 Acq On : 26 May 2020 15:54
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Quant Time: May 26 18:05:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052620W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 26 16:32:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	11884	5.229	ug/l	97
40) Benzene	6.12	78	31867	5.203	ug/l	95
41) Methacrylonitrile	5.01	41	6514	5.372	ug/l	95
42) 1,2-Dichloroethane	6.17	62	12412	5.552	ug/l	98
43) Isopropyl Acetate	6.42	43	19148	5.264	ug/l	97
44) Trichloroethene	7.20	130	10545	5.253	ug/l	92
45) 1,2-Dichloropropane	7.49	63	8301	5.427	ug/l	95
46) Dibromomethane	7.64	93	5802	5.206	ug/l	98
47) Bromodichloromethane	7.88	83	11809	5.246	ug/l	90
48) Methyl methacrylate	7.74	41	8238	4.970	ug/l	98
49) 1,4-Dioxane	7.71	88	4337	101.678	ug/l	91
51) 4-Methyl-2-Pentanone	8.62	43	58332	25.374	ug/l	97
52) Toluene	8.77	92	19366	4.928	ug/l	97
53) t-1,3-Dichloropropene	9.02	75	13116	5.120	ug/l	94
54) cis-1,3-Dichloropropene	8.41	75	13406	5.090	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	8136	5.077	ug/l	96
56) Ethyl methacrylate	9.16	69	11101	4.604	ug/l	94
57) 1,3-Dichloropropane	9.35	76	13542	5.097	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.29	63	30890	24.017	ug/l	100
59) 2-Hexanone	9.48	43	43636	24.651	ug/l	99
60) Dibromochloromethane	9.57	129	8312	4.511	ug/l	95
61) 1,2-Dibromoethane	9.65	107	8626	4.905	ug/l	98
64) Tetrachloroethene	9.32	164	11537	5.189	ug/l	97
65) Chlorobenzene	10.12	112	21248	5.047	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	8258	5.051	ug/l	97
67) Ethyl Benzene	10.24	91	36831	5.024	ug/l	99
68) m/p-Xylenes	10.34	106	28382	9.900	ug/l	100
69) o-Xylene	10.68	106	13034	4.784	ug/l	93
70) Styrene	10.70	104	20821	4.527	ug/l	97
71) Bromoform	10.84	173	6007	4.451	ug/l #	97
73) Isopropylbenzene	11.01	105	34397	5.344	ug/l	99
74) N-amyl acetate	10.88	43	15052	5.497	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.26	83	8477	5.213	ug/l	98
76) 1,2,3-Trichloropropane	11.28	75	14974	7.567	ug/l	85
77) Bromobenzene	11.24	156	8463	5.078	ug/l	92
78) n-propylbenzene	11.34	91	39830	5.473	ug/l	96
79) 2-Chlorotoluene	11.40	91	23405	5.406	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	28356	5.269	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.06	75	4391	5.336	ug/l	89
82) 4-Chlorotoluene	11.49	91	28239	5.423	ug/l	95
83) tert-Butylbenzene	11.76	119	23643	5.138	ug/l	94
84) 1,2,4-Trimethylbenzene	11.79	105	28868	5.323	ug/l	96
85) sec-Butylbenzene	11.93	105	30566	5.243	ug/l	98
86) p-Isopropyltoluene	12.05	119	28227	5.183	ug/l	97
87) 1,3-Dichlorobenzene	12.01	146	15366	5.193	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	15701	5.242	ug/l	91
89) n-Butylbenzene	12.37	91	24901	5.270	ug/l	98
90) Hexachloroethane	12.58	117	4912	4.976	ug/l	92
91) 1,2-Dichlorobenzene	12.38	146	15563	5.338	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.98	75	2745	5.456	ug/l	88

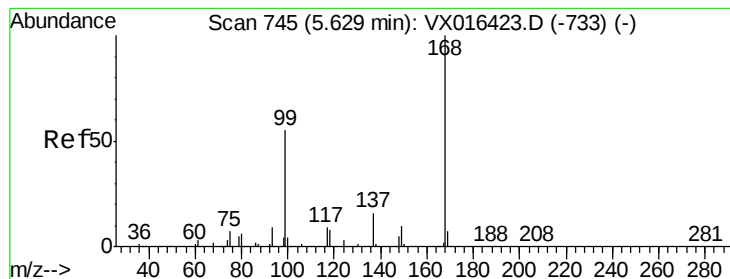
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052620\NOT REVIEWED DATA\
Data File : VX016428.D
Acq On : 26 May 2020 15:54
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: May 26 18:05:59 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052620W.M
Quant Title : SW846 8260
QLast Update : Tue May 26 16:32:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	9121	5.026	ug/l	96
94) Hexachlorobutadiene	13.76	225	3660	5.593	ug/l	91
95) Naphthalene	13.82	128	31126	4.786	ug/l	97
96) 1,2,3-Trichlorobenzene	14.00	180	8884	5.065	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

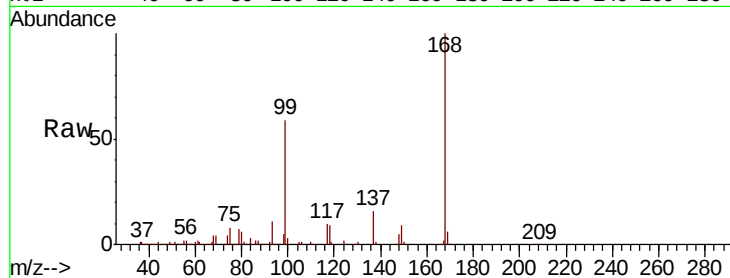
VSTDIC005

Tot Ion:168 Resp: 133395

Ion Ratio Lower Upper

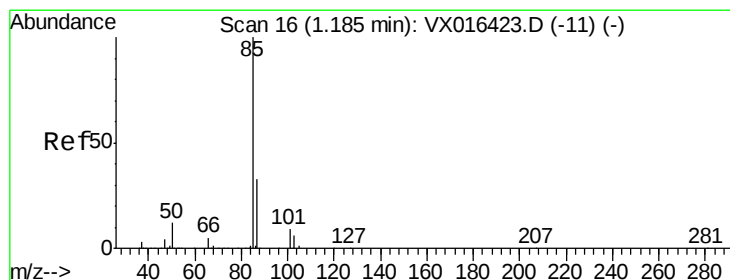
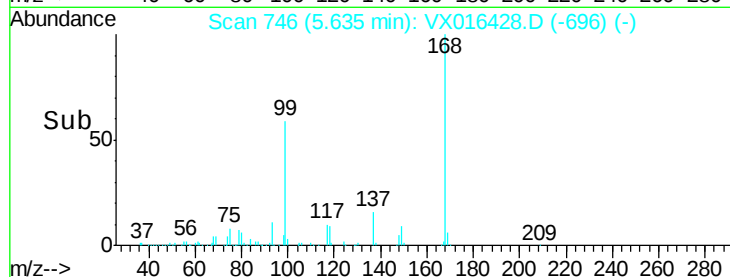
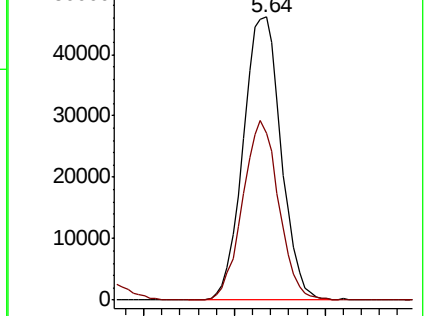
168 100

99 59.0 44.4 66.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 4.744 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX016428.D

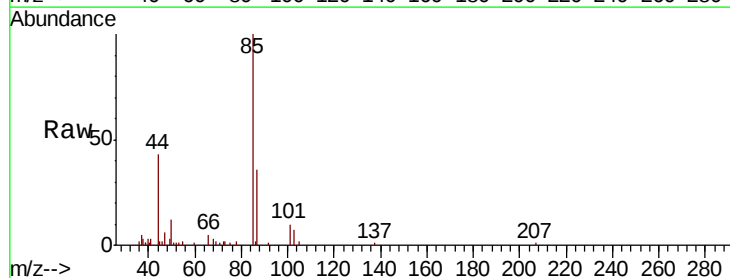
Acq: 26 May 2020 15:54

Tgt Ion: 85 Resp: 5136

Ion Ratio Lower Upper

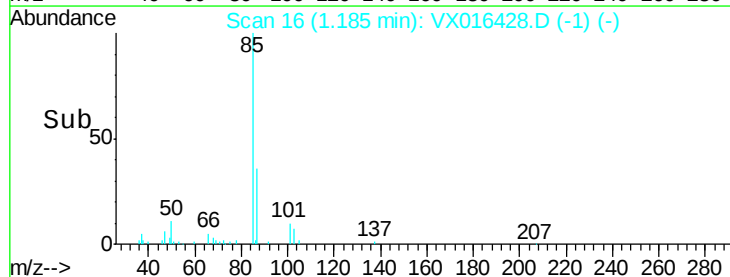
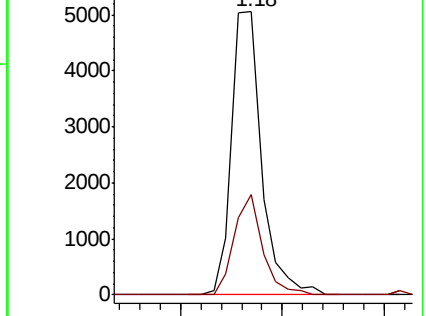
85 100

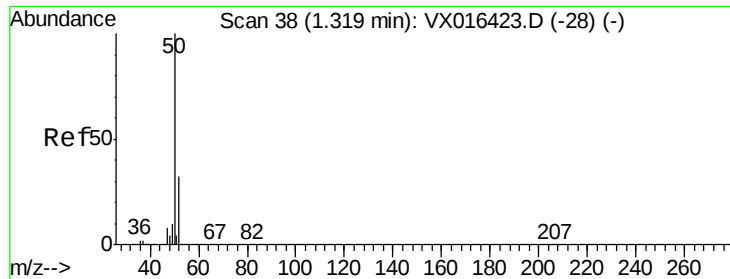
87 35.6 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 5.609 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.01 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

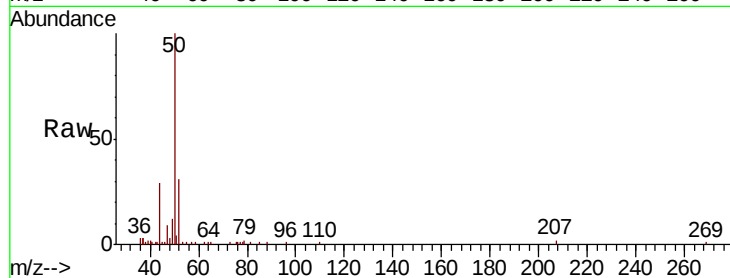
VSTDIC005

Tot Ion: 50 Resp: 7425

Ion Ratio Lower Upper

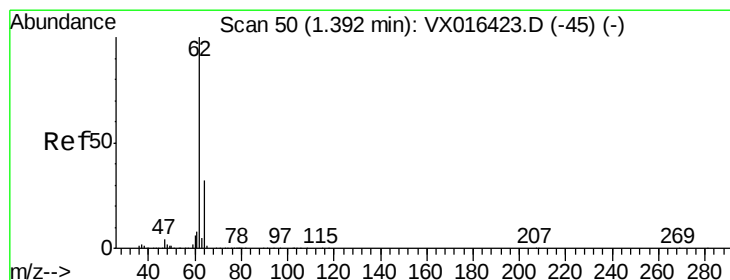
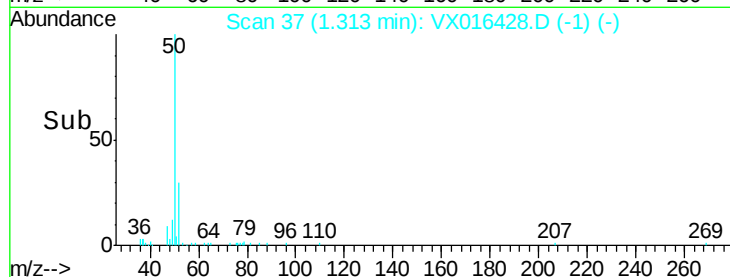
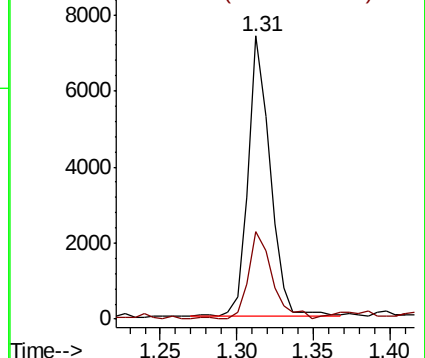
50 100

52 29.7 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 5.786 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016428.D

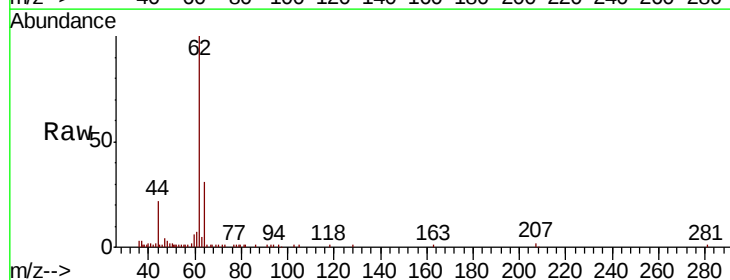
Acq: 26 May 2020 15:54

Tgt Ion: 62 Resp: 10117

Ion Ratio Lower Upper

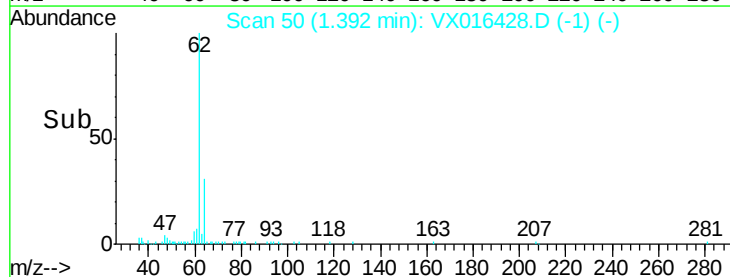
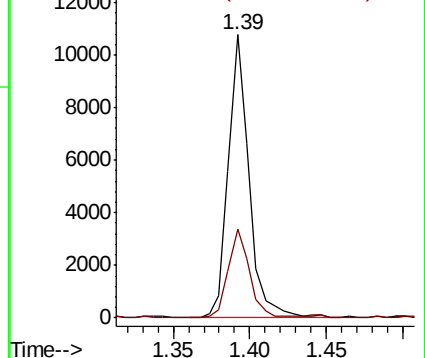
62 100

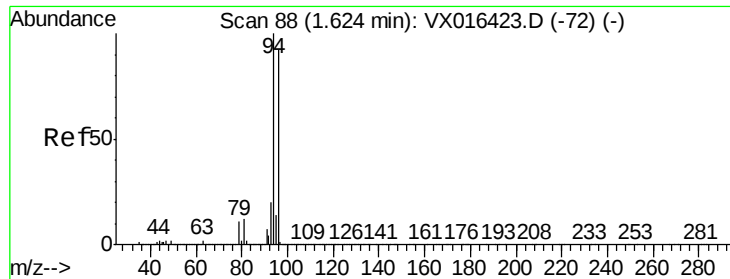
64 31.2 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 9.425 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

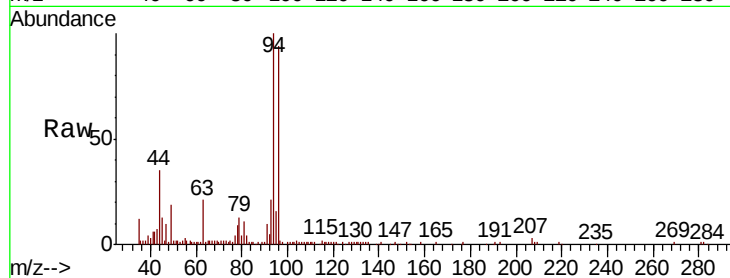
VSTDIC005

Tot Ion: 94 Resp: 15065

Ion Ratio Lower Upper

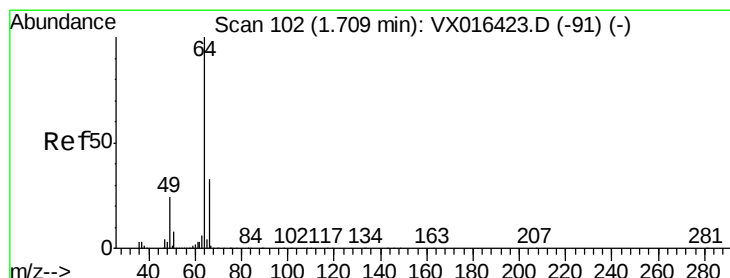
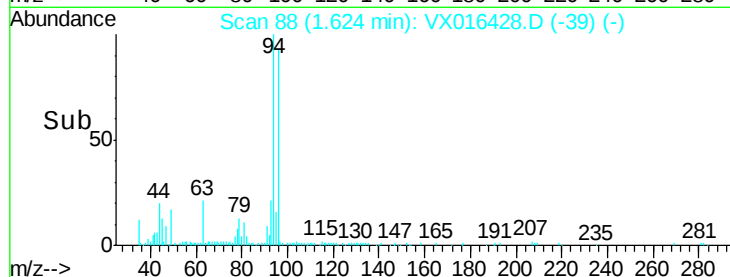
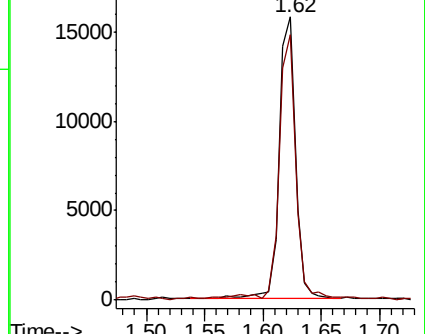
94 100

96 93.1 73.7 110.5



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 5.764 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.01 min

Lab File: VX016428.D

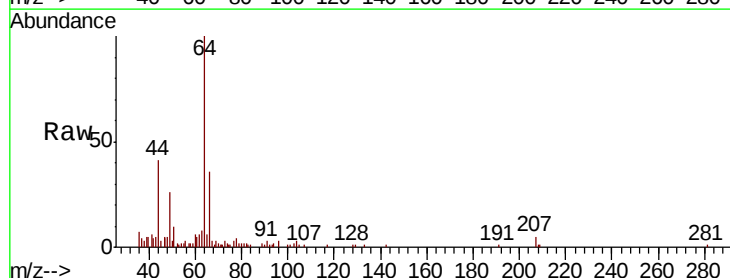
Acq: 26 May 2020 15:54

Tgt Ion: 64 Resp: 7432

Ion Ratio Lower Upper

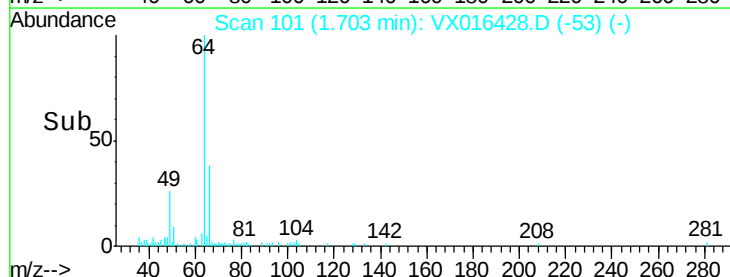
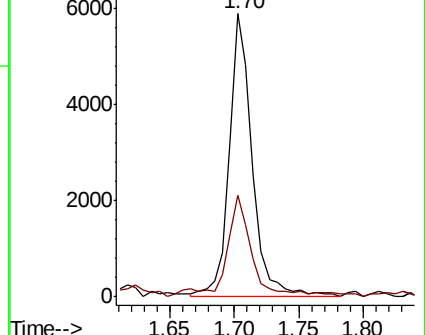
64 100

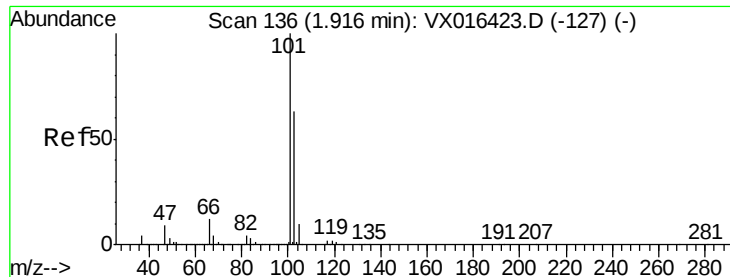
66 34.8 26.0 39.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



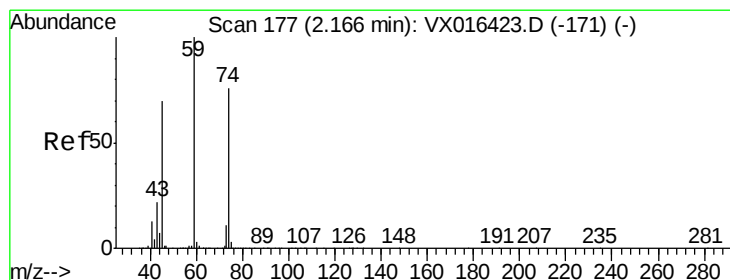
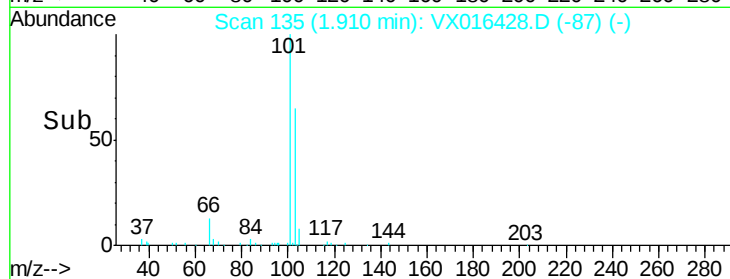
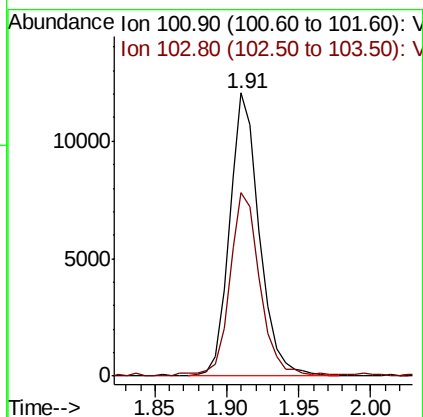
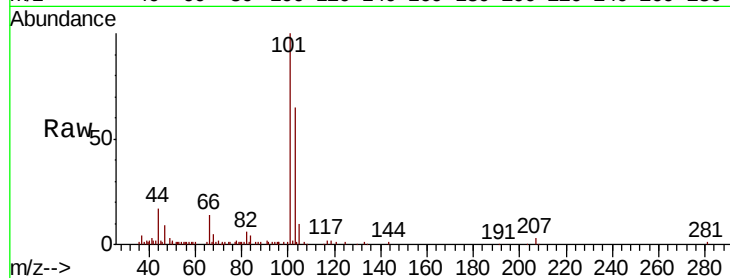


#7

Trichlorofluoromethane
Concen: 5.990 ug/l
RT: 1.91 min Scan# 135
Delta R.T. -0.01 min
Lab File: VX016428.D
Acq: 26 May 2020 15:54

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

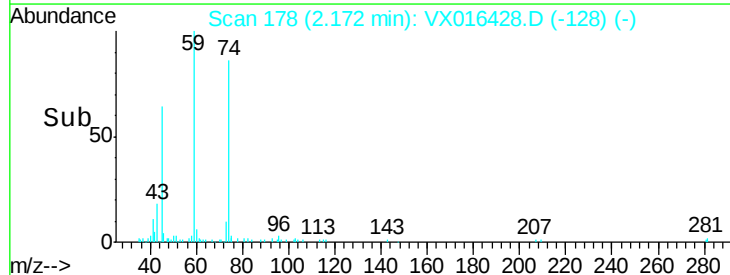
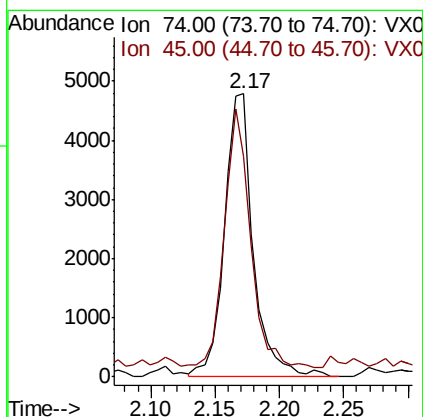
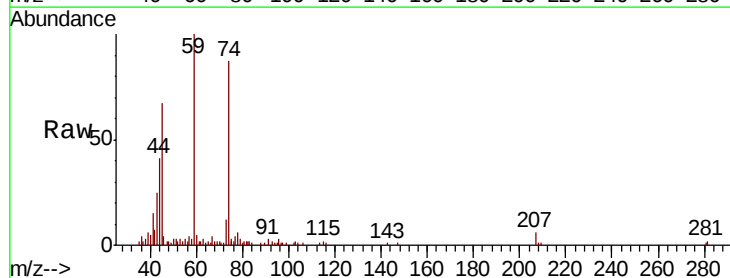
Tot Ion:101 Resp: 17426
Ion Ratio Lower Upper
101 100
103 64.5 50.1 75.1

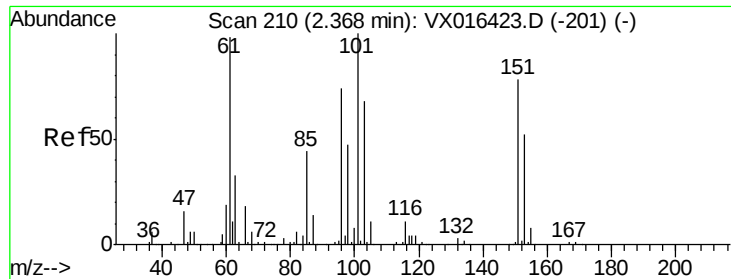


#8

Diethyl Ether
Concen: 6.357 ug/l
RT: 2.17 min Scan# 178
Delta R.T. 0.01 min
Lab File: VX016428.D
Acq: 26 May 2020 15:54

Tgt Ion: 74 Resp: 7538
Ion Ratio Lower Upper
74 100
45 82.9 44.4 133.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.900 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

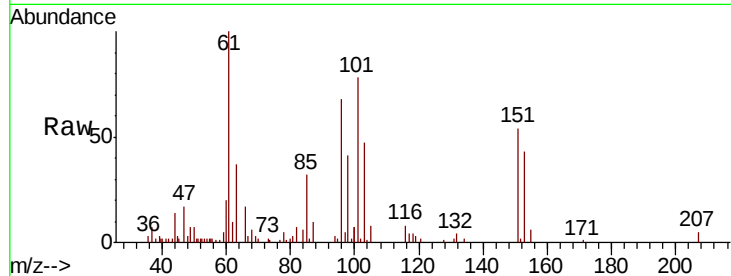
Tot Ion:101 Resp: 7459

Ion Ratio Lower Upper

101 100

85 42.7 36.2 54.4

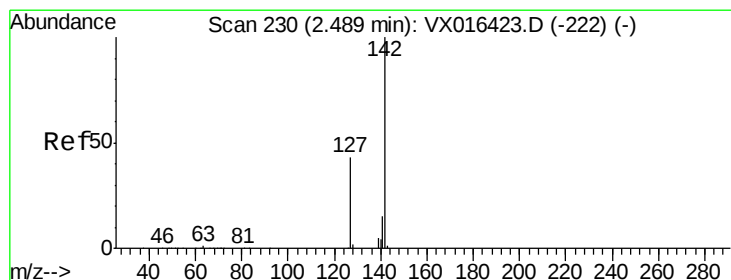
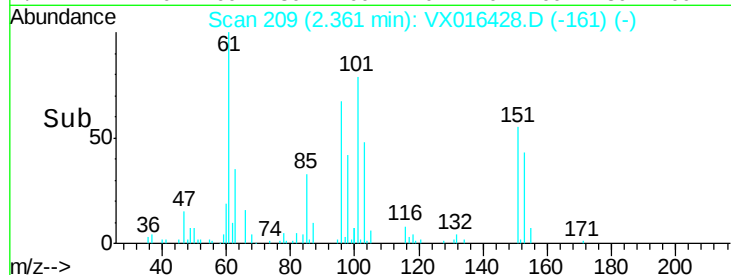
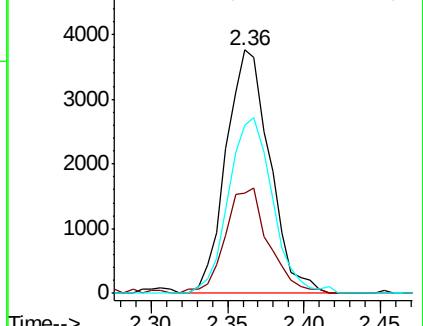
151 72.7 60.4 90.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 8.570 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

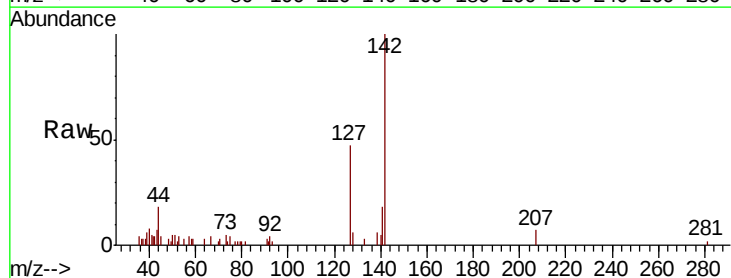
Tgt Ion:142 Resp: 4647

Ion Ratio Lower Upper

142 100

127 47.6 36.2 54.4

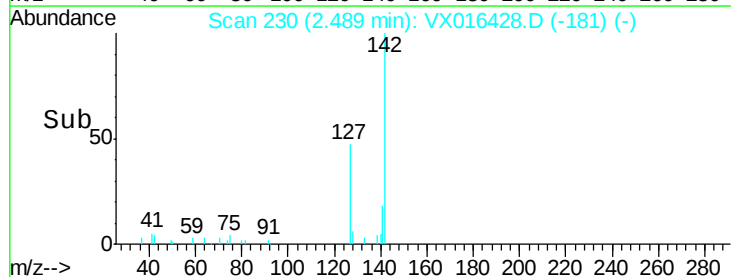
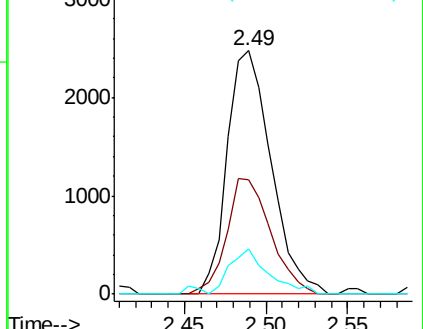
141 16.5 12.2 18.2

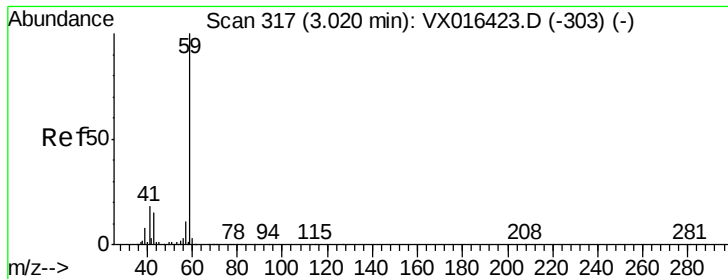


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



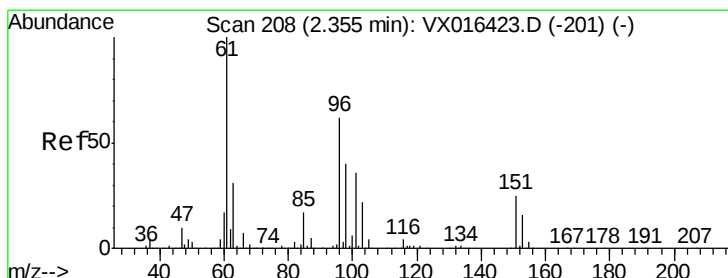
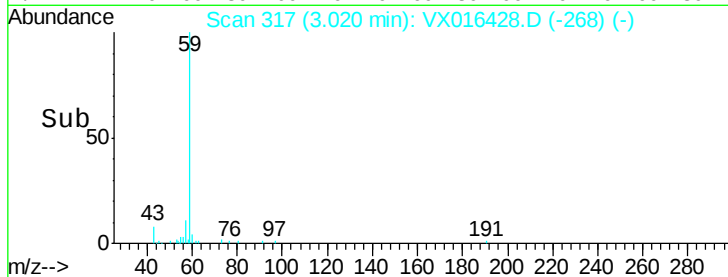
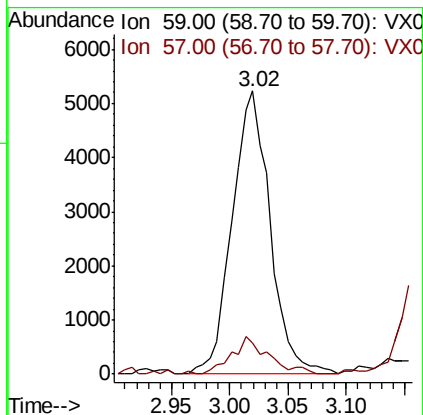
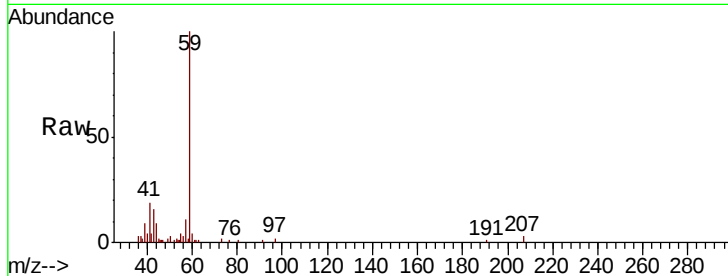


#11

Tert butyl alcohol
Concen: 29.695 ug/l
RT: 3.02 min Scan# 317
Delta R.T. -0.00 min
Lab File: VX016428.D
Acq: 26 May 2020 15:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

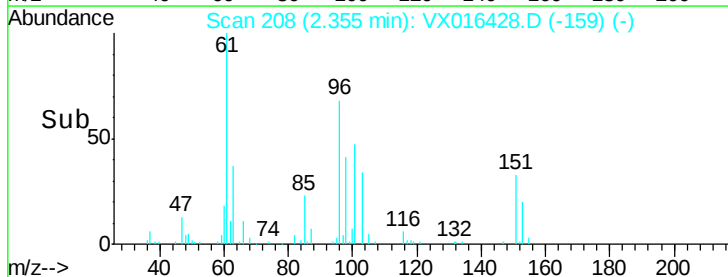
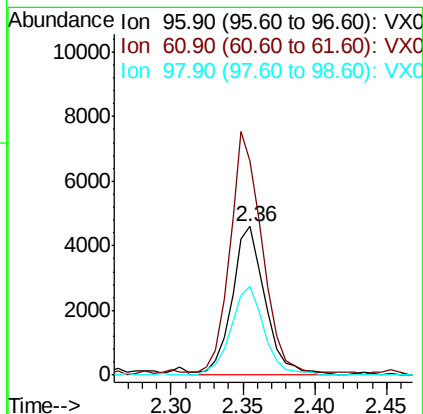
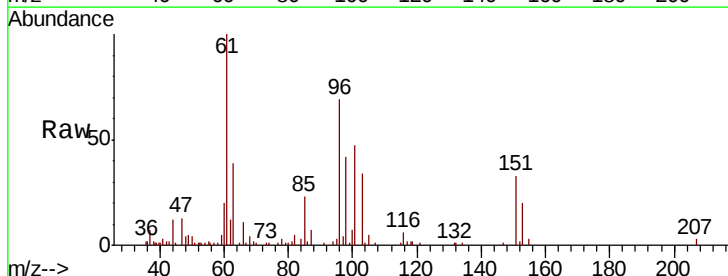
Tot Ion: 59 Resp: 11861
Ion Ratio Lower Upper
59 100
57 12.7 8.5 12.7#

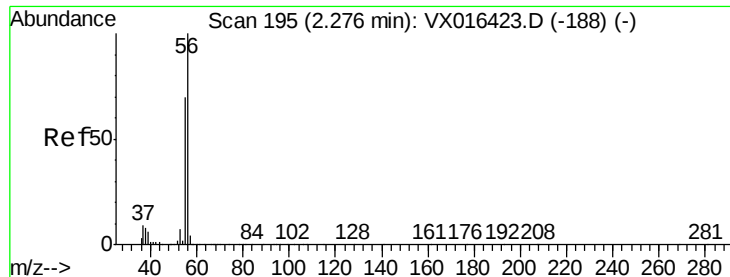


#12

1,1-Dichloroethene
Concen: 5.743 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX016428.D
Acq: 26 May 2020 15:54

Tgt Ion: 96 Resp: 7424
Ion Ratio Lower Upper
96 100
61 142.3 128.2 192.4
98 59.9 50.8 76.2





#13

Acrolein

Concen: 31.798 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

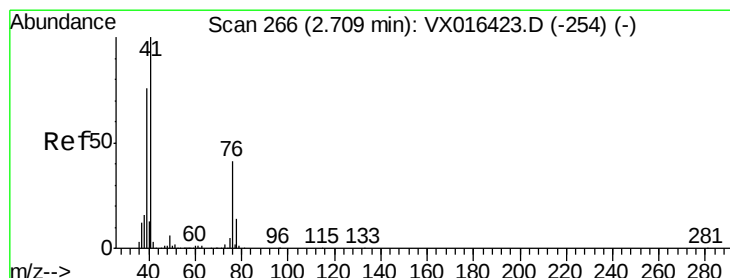
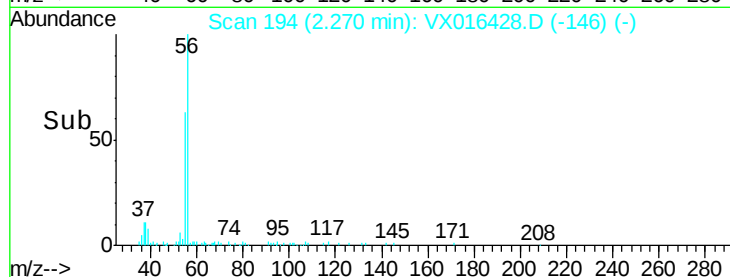
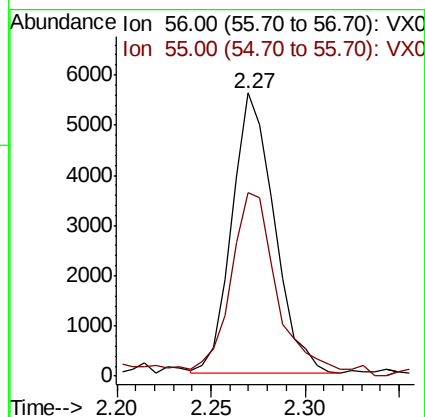
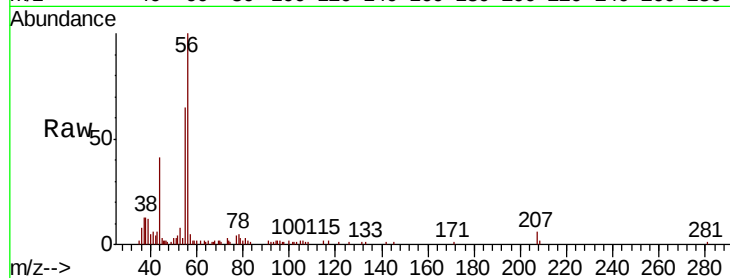
VSTDIC005

Tot Ion: 56 Resp: 8723

Ion Ratio Lower Upper

56 100

55 73.4 56.5 84.7



#14

Allyl chloride

Concen: 5.789 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

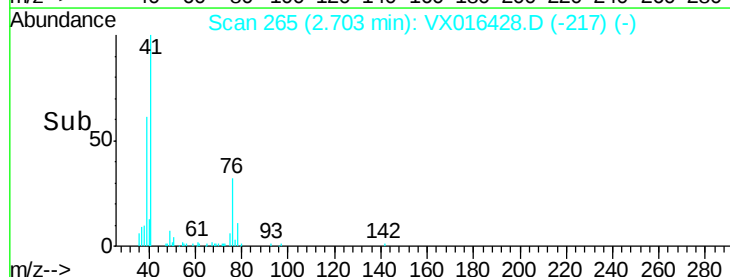
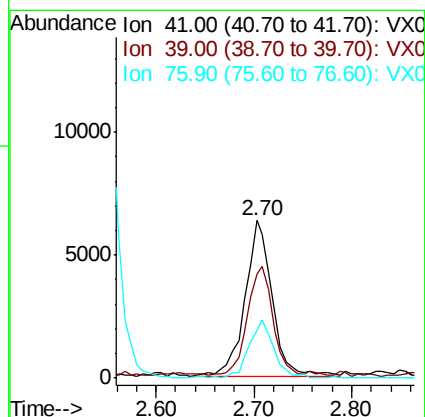
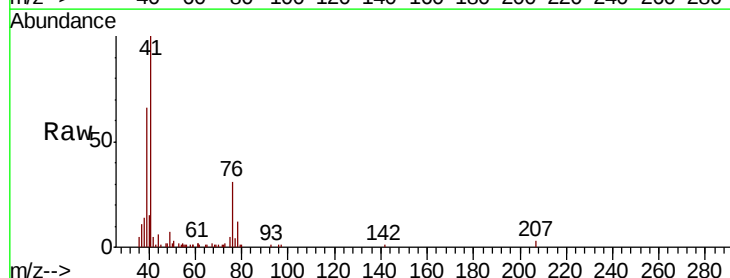
Tgt Ion: 41 Resp: 12225

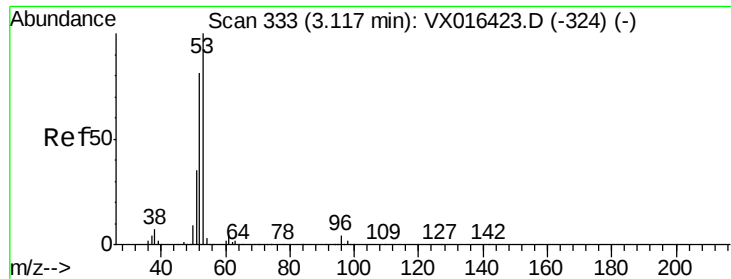
Ion Ratio Lower Upper

41 100

39 64.0 55.8 83.8

76 33.8 29.6 44.4





#15

Acrylonitrile

Concen: 27.790 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

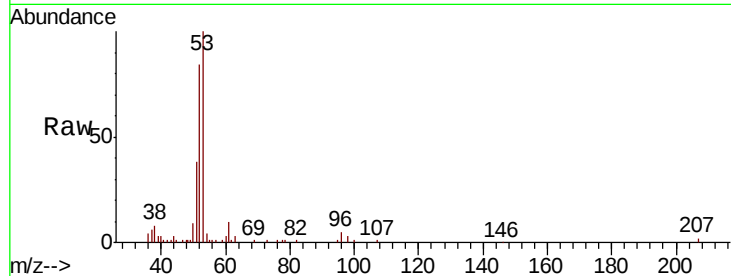
Tot Ion: 53 Resp: 22103

Ion Ratio Lower Upper

53 100

52 83.0 65.4 98.2

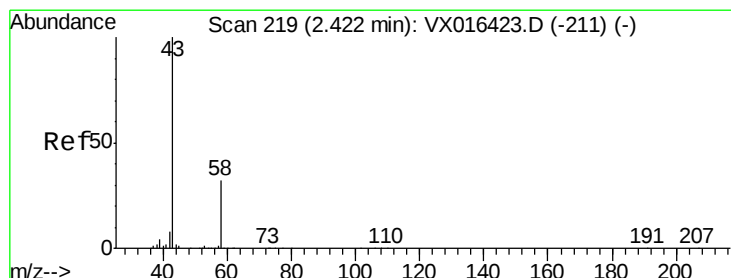
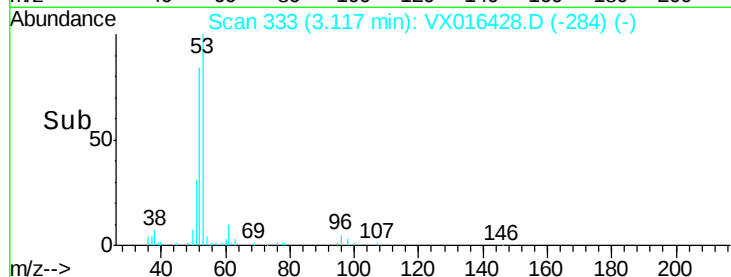
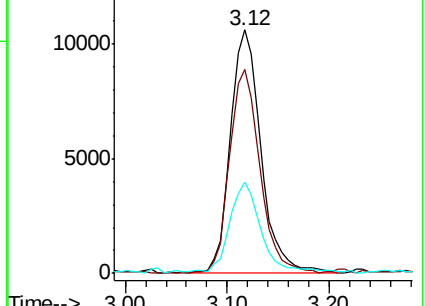
51 39.4 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 29.107 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016428.D

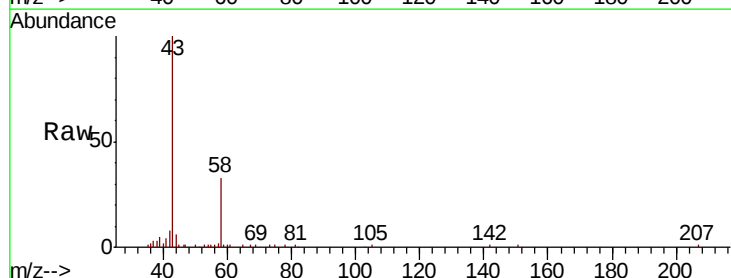
Acq: 26 May 2020 15:54

Tgt Ion: 43 Resp: 20032

Ion Ratio Lower Upper

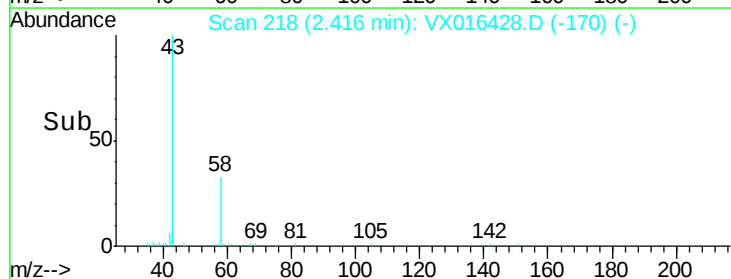
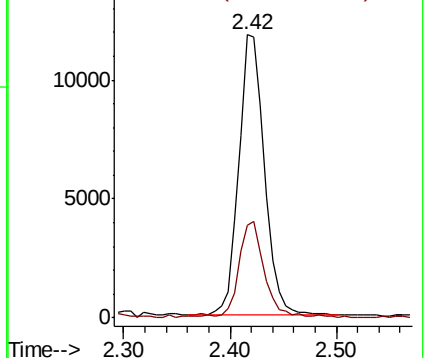
43 100

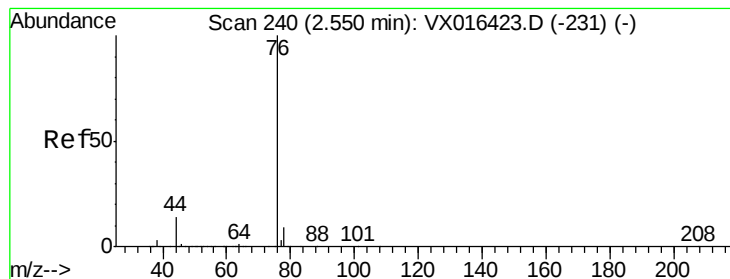
58 32.9 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 5.870 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

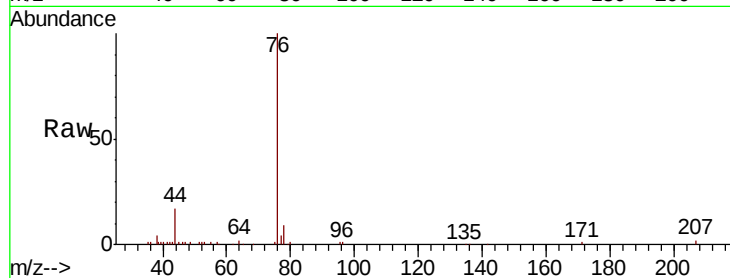
VSTDIC005

Tot Ion: 76 Resp: 22456

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

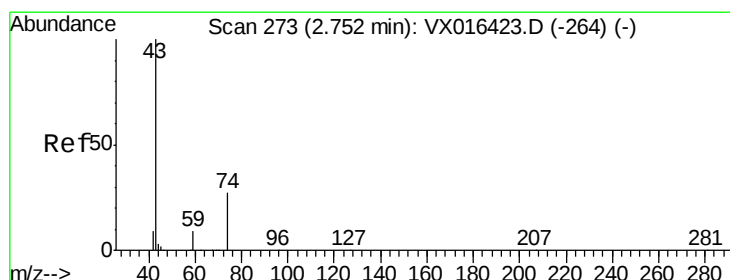
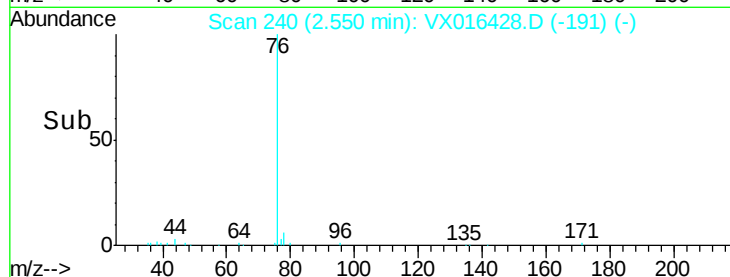
15000

10000

5000

0

Time--> 2.45 2.50 2.55 2.60 2.65



#18

Methyl Acetate

Concen: 5.903 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX016428.D

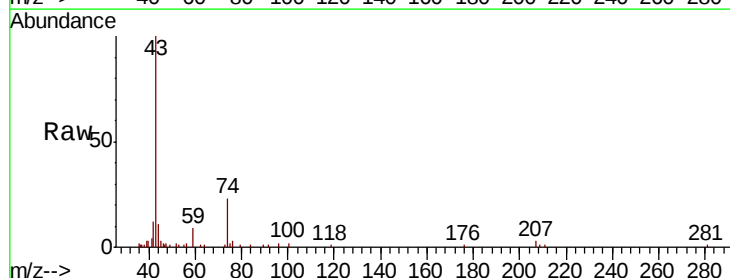
Acq: 26 May 2020 15:54

Tgt Ion: 43 Resp: 9908

Ion Ratio Lower Upper

43 100

74 26.8 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.75

6000

5000

4000

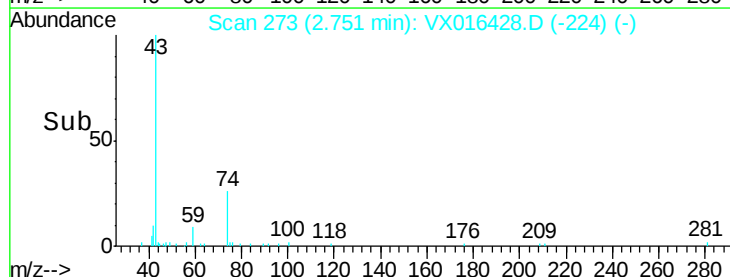
3000

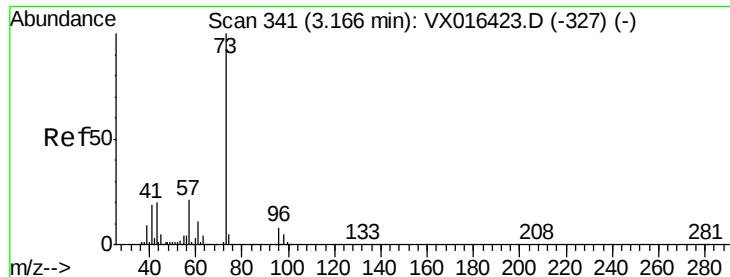
2000

1000

0

Time--> 2.70 2.75 2.80





#19

Methyl tert-butyl Ether

Concen: 5.502 ug/l

RT: 3.17 min Scan# 341

Delta R.T. -0.00 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

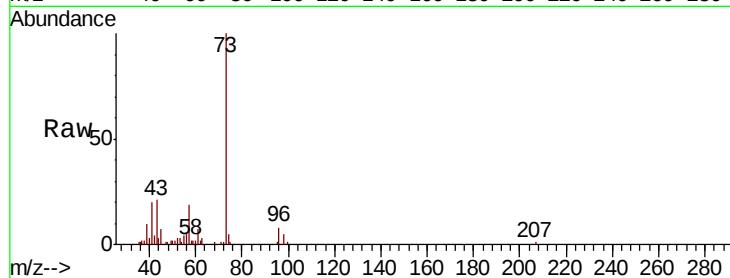
VSTDIC005

Tot Ion: 73 Resp: 24790

Ion Ratio Lower Upper

73 100

57 19.4 17.3 25.9



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.17

12000

10000

8000

6000

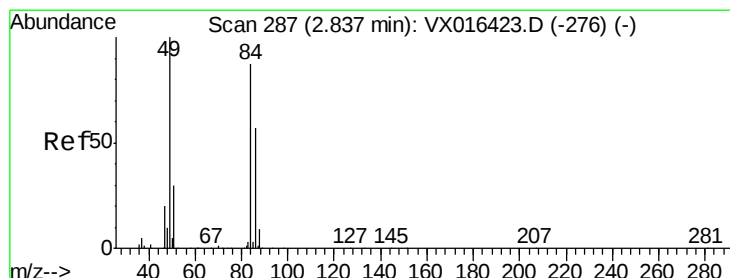
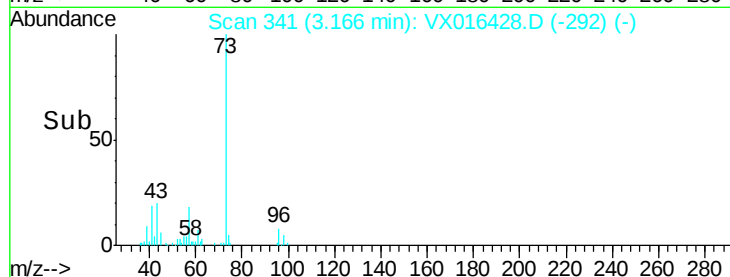
4000

2000

0

Time-->

3.00 3.10 3.20 3.30



#20

Methylene Chloride

Concen: 5.961 ug/l

RT: 2.83 min Scan# 286

Delta R.T. -0.01 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

Tgt Ion: 84 Resp: 8850

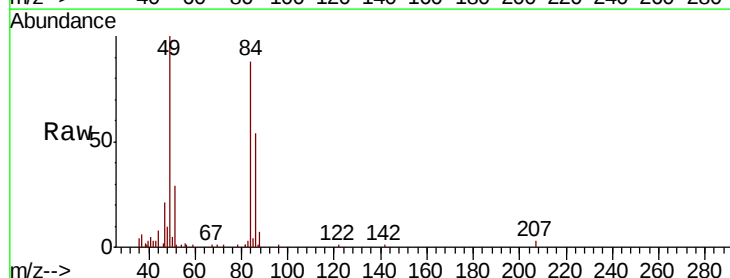
Ion Ratio Lower Upper

84 100

49 112.4 92.2 138.4

51 32.1 27.8 41.8

86 61.4 52.5 78.7



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

8000

6000

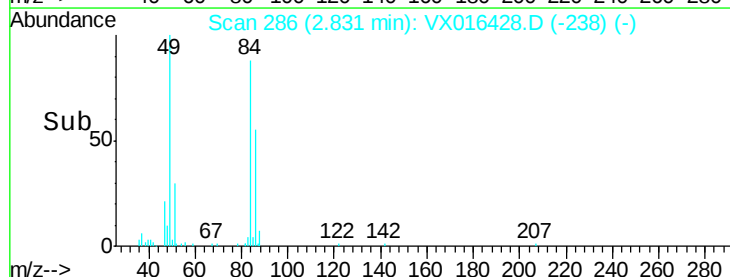
4000

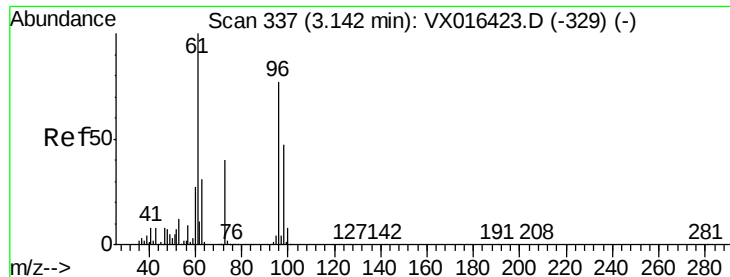
2000

0

Time-->

2.75 2.80 2.85 2.90





#21

trans-1,2-Dichloroethene

Concen: 5.592 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

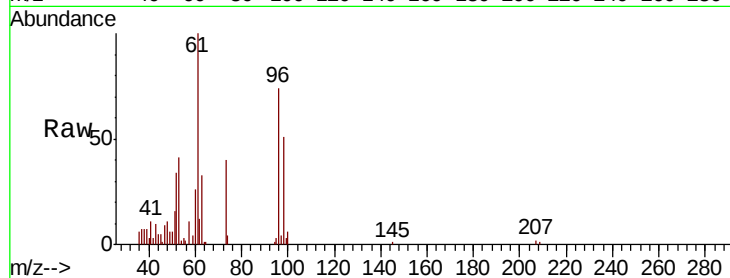
Tot Ion: 96 Resp: 8215

Ion Ratio Lower Upper

96 100

61 135.9 104.3 156.5

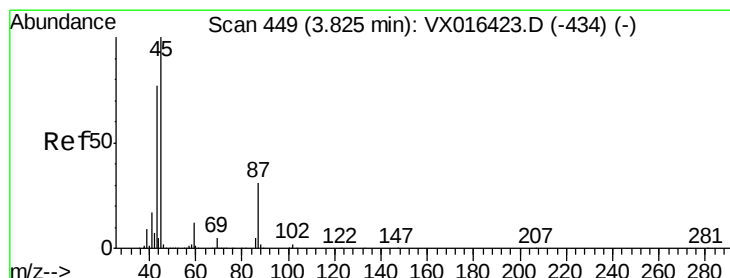
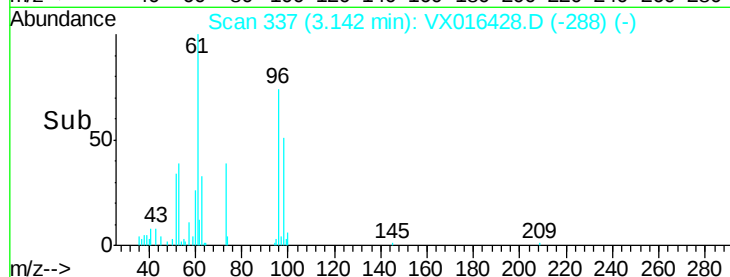
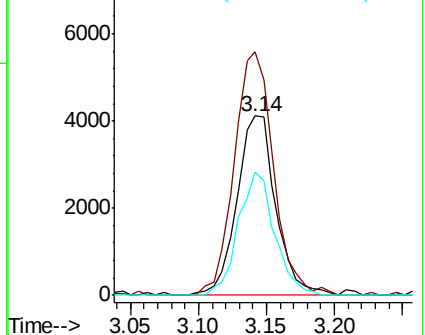
98 68.9 49.4 74.0



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 5.447 ug/l

RT: 3.82 min Scan# 449

Delta R.T. -0.00 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

Tgt Ion: 45 Resp: 23172

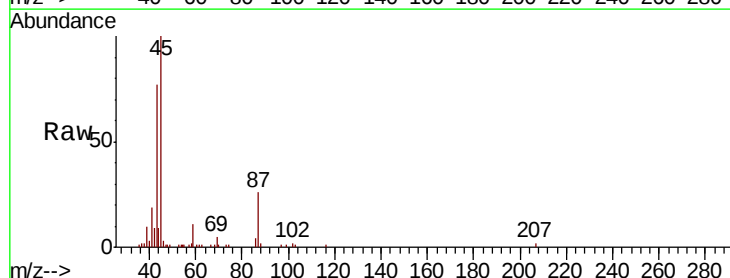
Ion Ratio Lower Upper

45 100

43 74.8 61.4 92.2

87 25.9 24.4 36.6

59 11.1 9.4 14.2

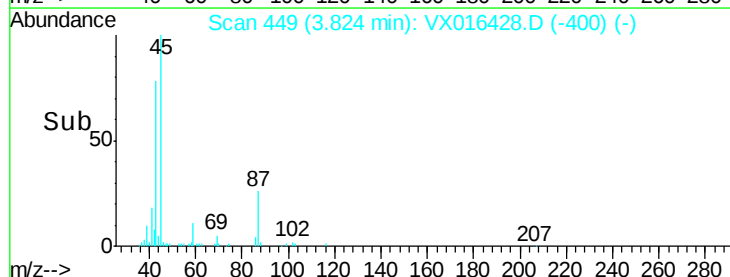
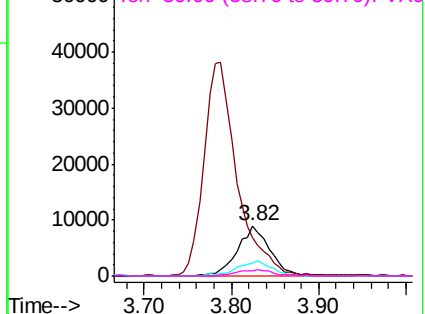


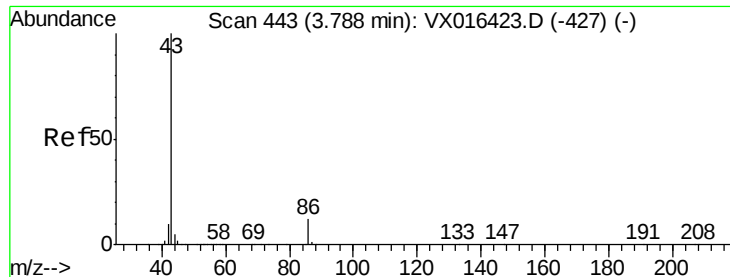
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 26.377 ug/l

RT: 3.79 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

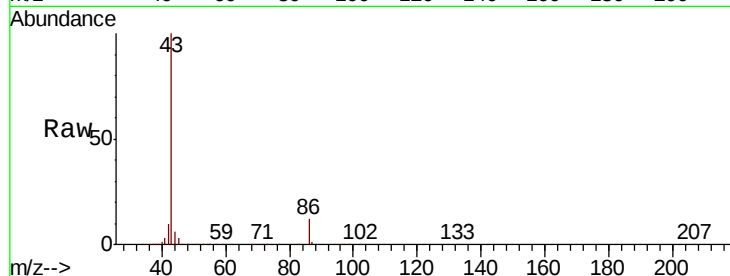
VSTDIC005

Tot Ion: 43 Resp: 100350

Ion Ratio Lower Upper

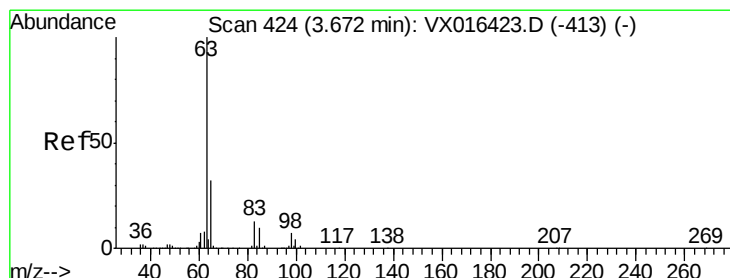
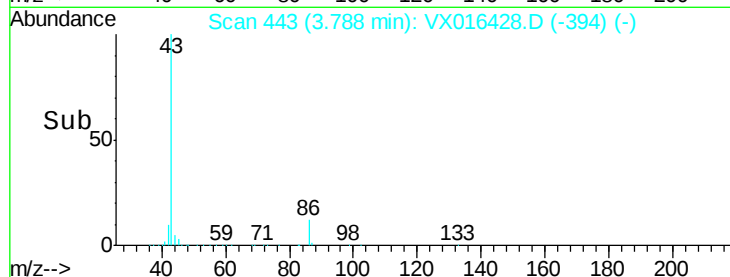
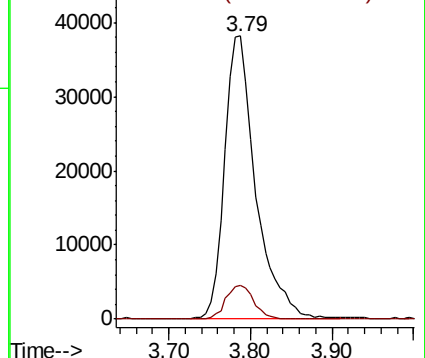
43 100

86 11.9 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 5.735 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

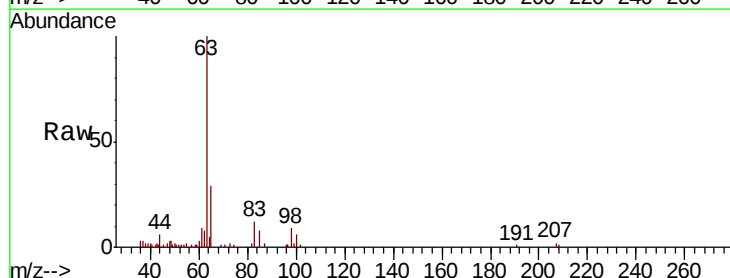
Tgt Ion: 63 Resp: 14472

Ion Ratio Lower Upper

63 100

98 8.7 3.6 10.8

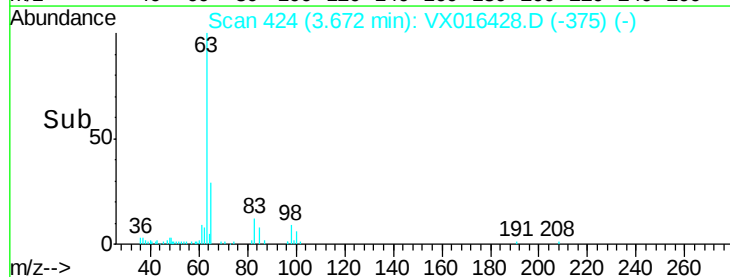
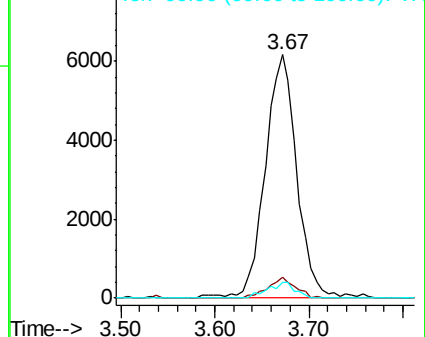
100 6.5 2.1 6.5#

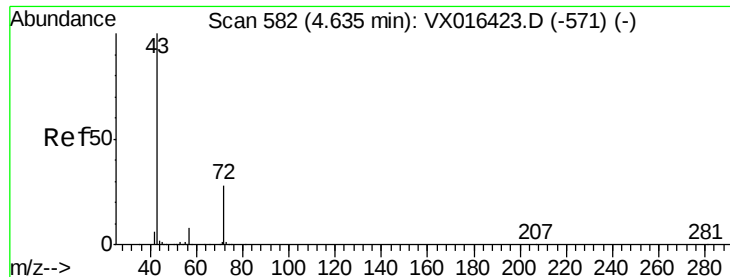


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 27.871 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

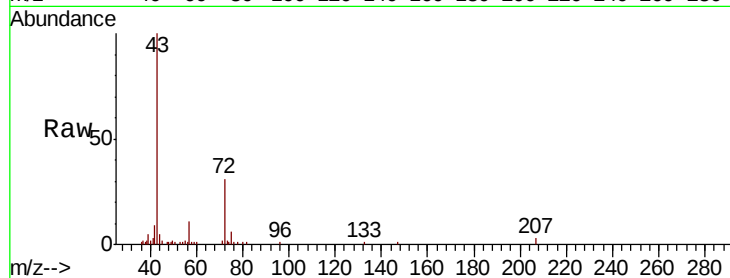
VSTDIC005

Tot Ion: 43 Resp: 31167

Ion Ratio Lower Upper

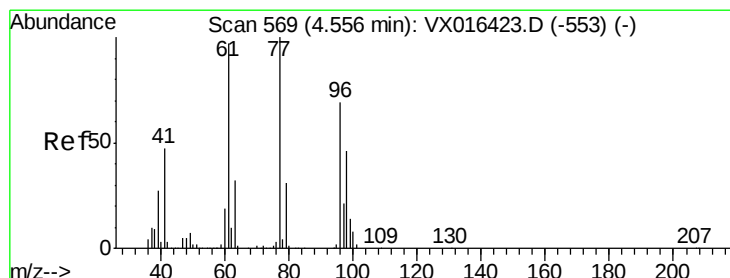
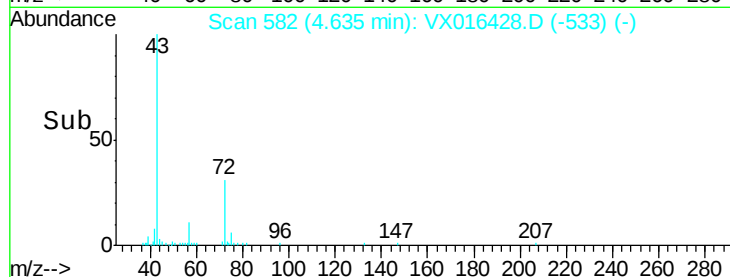
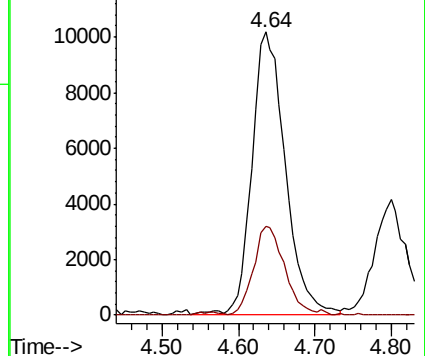
43 100

72 31.5 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 5.607 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.01 min

Lab File: VX016428.D

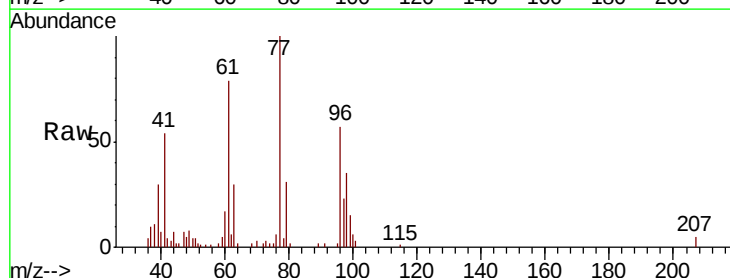
Acq: 26 May 2020 15:54

Tgt Ion: 77 Resp: 12861

Ion Ratio Lower Upper

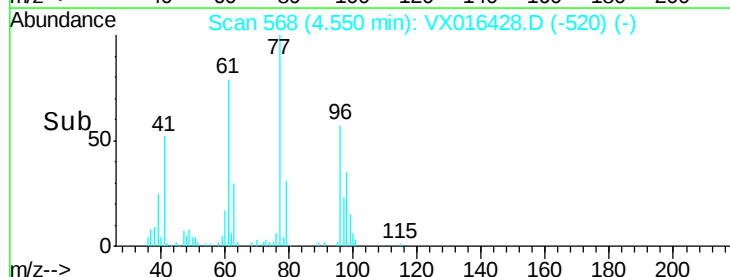
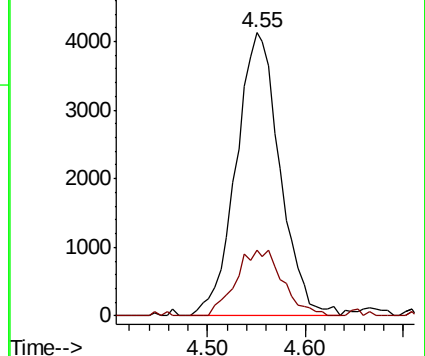
77 100

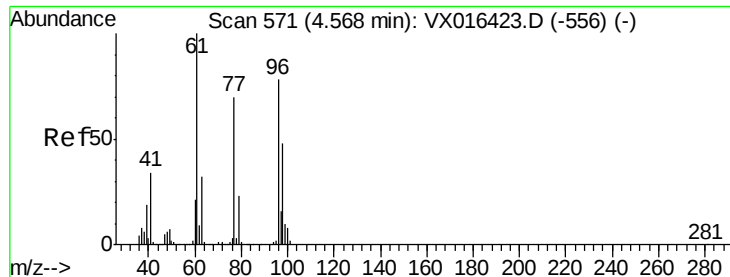
97 24.8 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



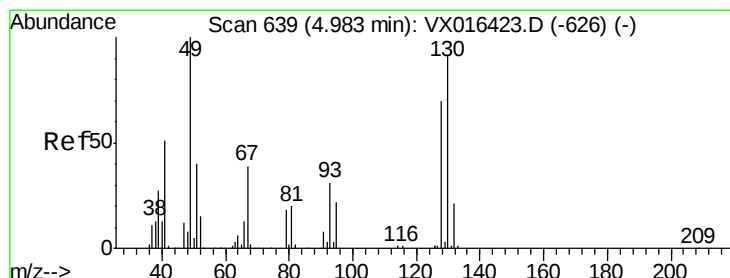
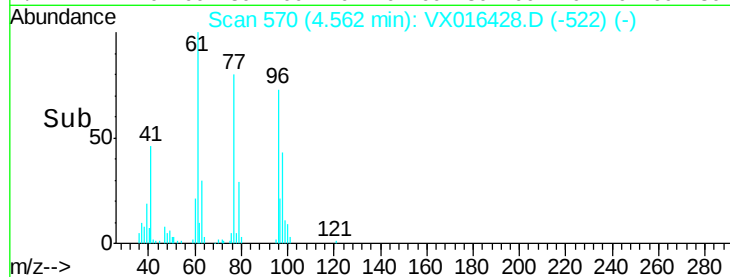
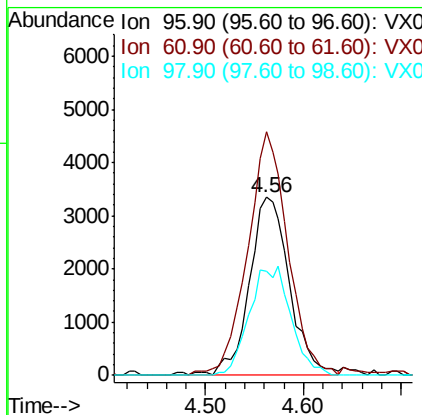
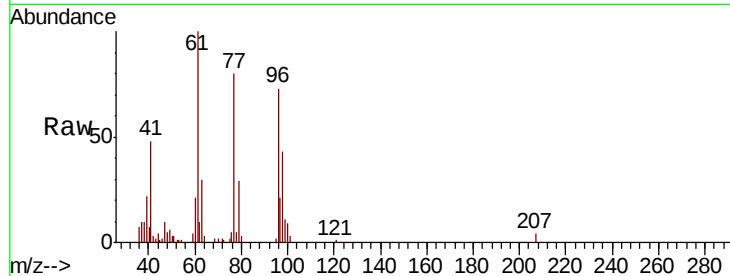


#27

cis-1,2-Dichloroethene
 Concen: 5.715 ug/l
 RT: 4.56 min Scan# 570
 Delta R.T. -0.01 min
 Lab File: VX016428.D
 Acq: 26 May 2020 15:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

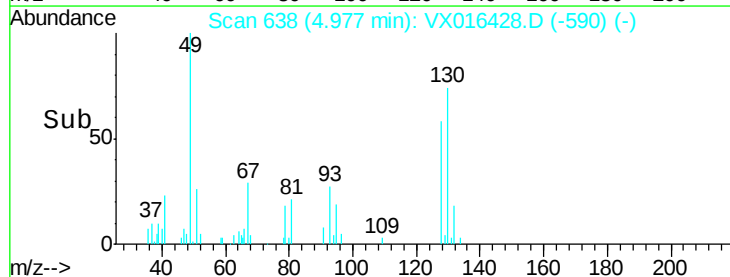
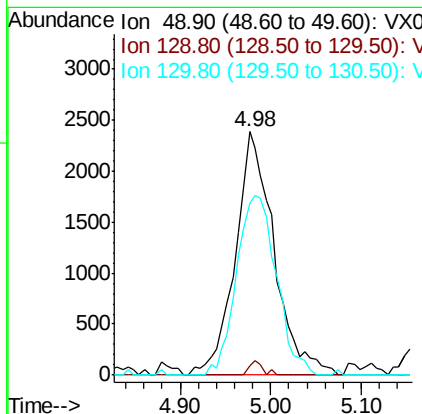
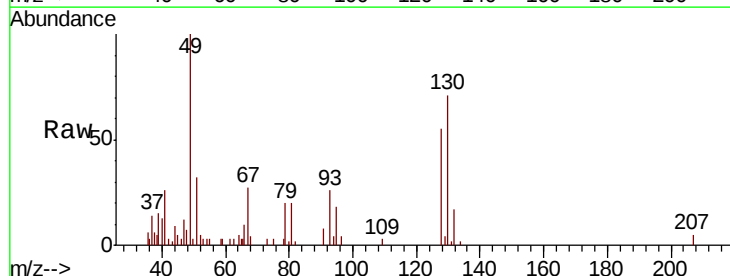
Tot Ion	96	Resp	9565
Ion	Ratio	Lower	Upper
96	100		
61	137.0	0.0	271.0
98	63.2	0.0	127.6

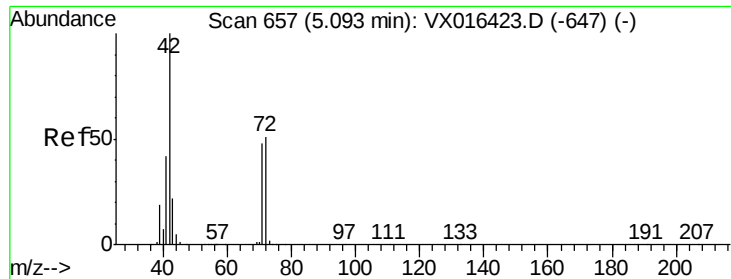


#28

Bromochloromethane
 Concen: 5.858 ug/l
 RT: 4.98 min Scan# 638
 Delta R.T. -0.01 min
 Lab File: VX016428.D
 Acq: 26 May 2020 15:54

Tgt Ion	49	Resp	7086
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.8
130	75.4	71.2	106.8

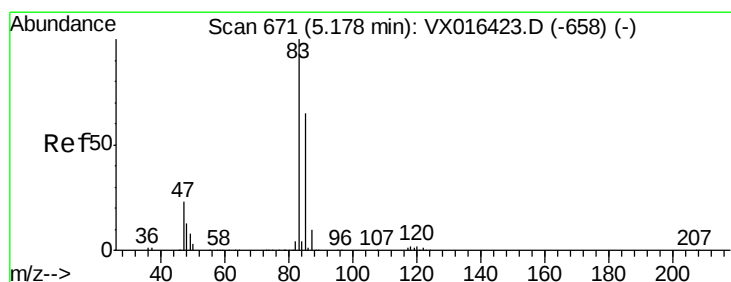
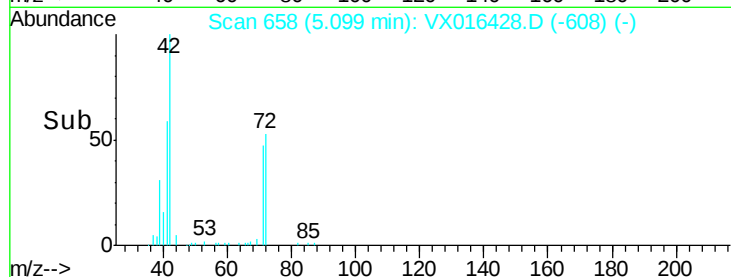
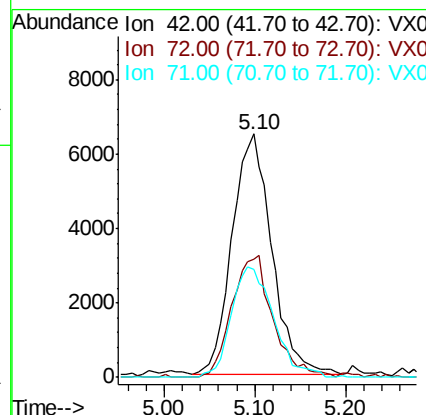
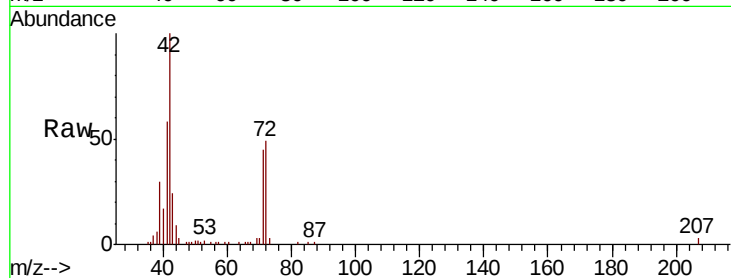




#29
Tetrahydrofuran
Concen: 26.892 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX016428.D
Acq: 26 May 2020 15:54

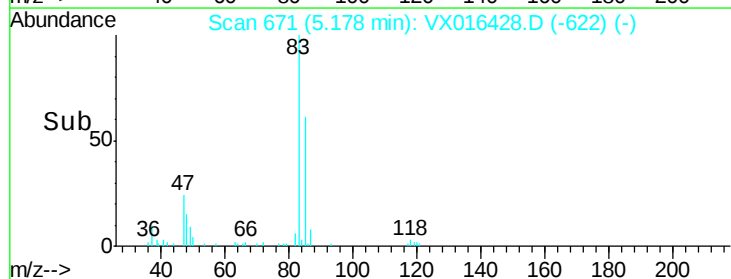
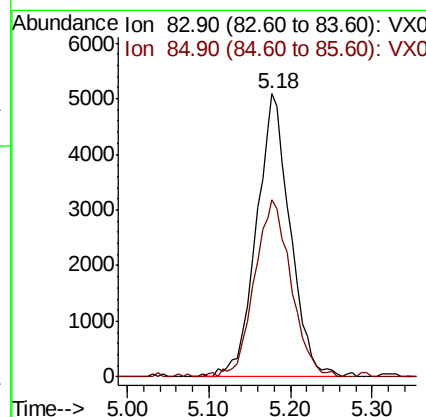
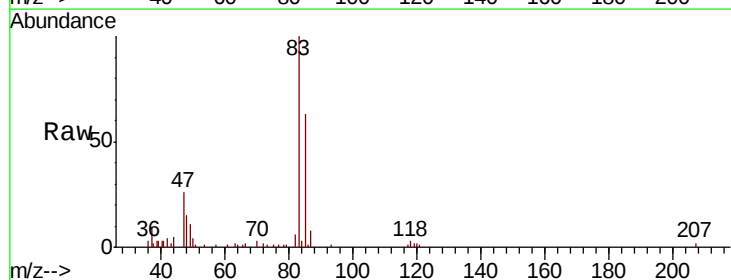
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

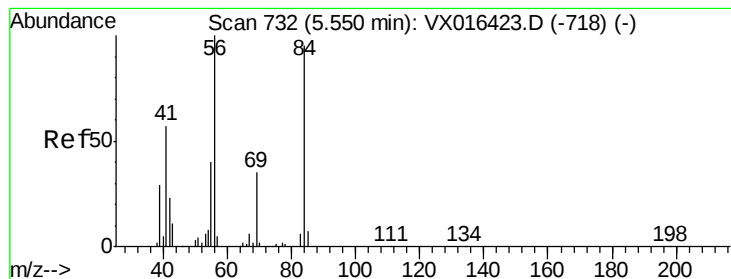
Tot Ion: 42 Resp: 19490
Ion Ratio Lower Upper
42 100
72 52.7 40.2 60.4
71 49.2 37.7 56.5



#30
Chloroform
Concen: 5.526 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX016428.D
Acq: 26 May 2020 15:54

Tgt Ion: 83 Resp: 14654
Ion Ratio Lower Upper
83 100
85 62.6 52.1 78.1





#31

Cvclohexane

Concen: 5.702 ug/l

RT: 5.55 min Scan# 732

Delta R.T. -0.00 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

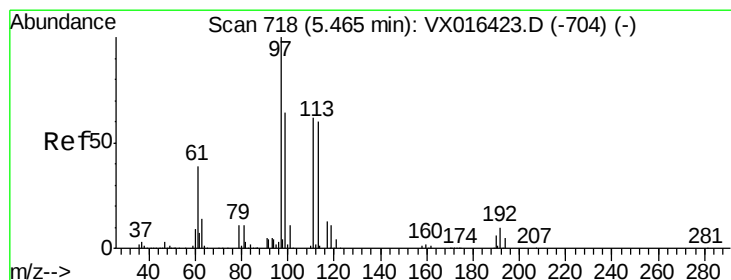
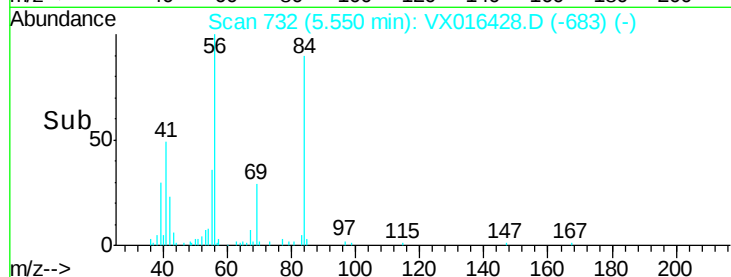
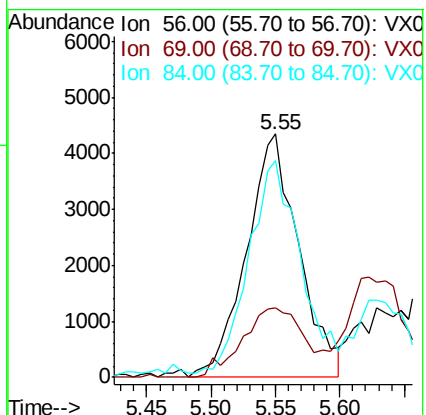
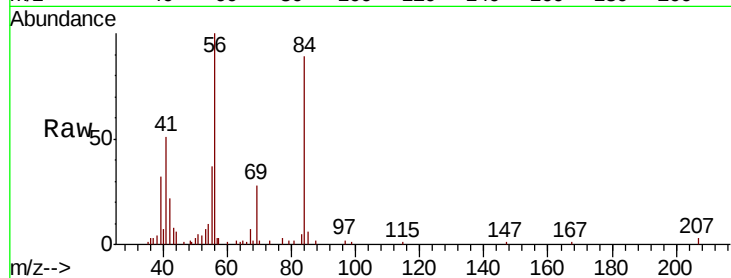
Tot Ion: 56 Resp: 12212

Ion Ratio Lower Upper

56 100

69 28.4 27.7 41.5

84 87.1 76.1 114.1



#32

1,1,1-Trichloroethane

Concen: 5.482 ug/l

RT: 5.46 min Scan# 717

Delta R.T. -0.01 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

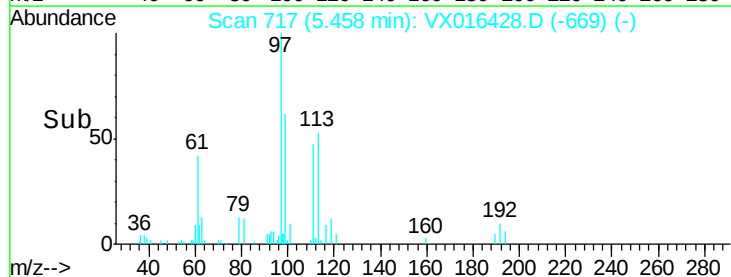
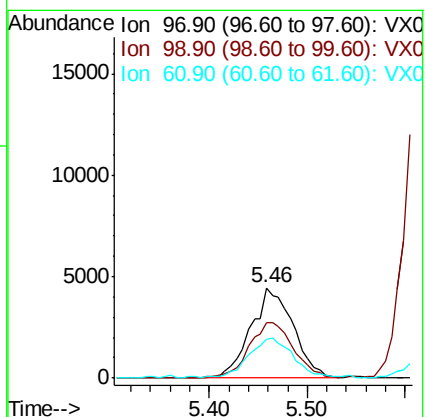
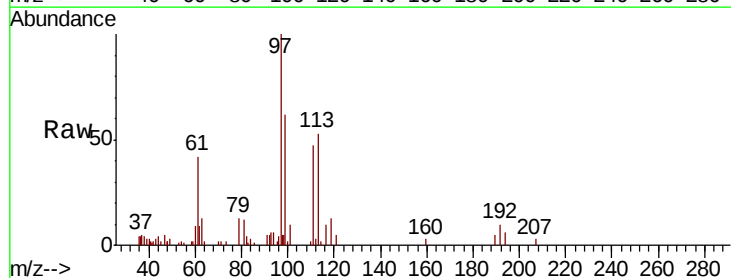
Tgt Ion: 97 Resp: 13309

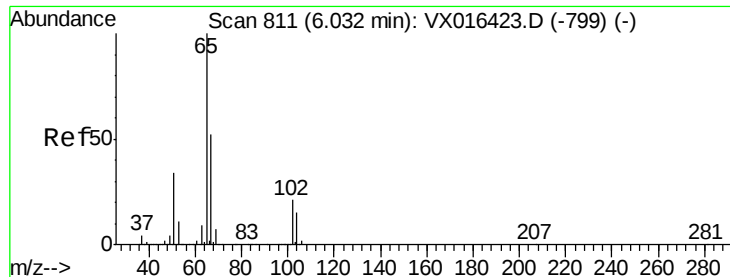
Ion Ratio Lower Upper

97 100

99 64.8 51.1 76.7

61 47.9 33.1 49.7





#33

1,2-Dichloroethane-d4

Concen: 5.579 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

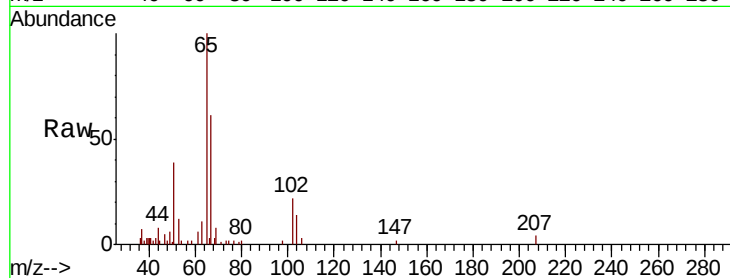
VSTDIC005

Tot Ion: 65 Resp: 9639

Ion Ratio Lower Upper

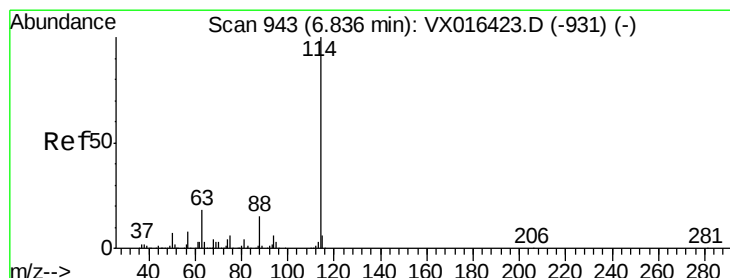
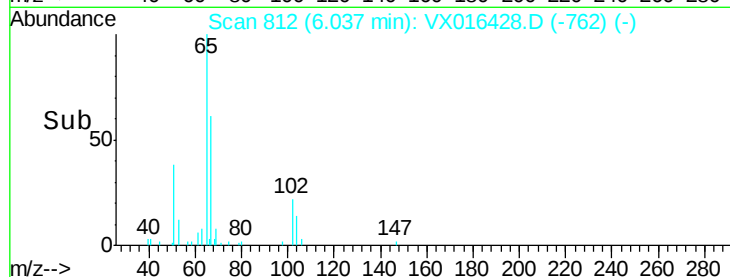
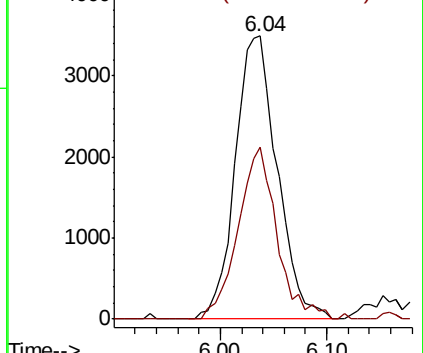
65 100

67 56.1 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

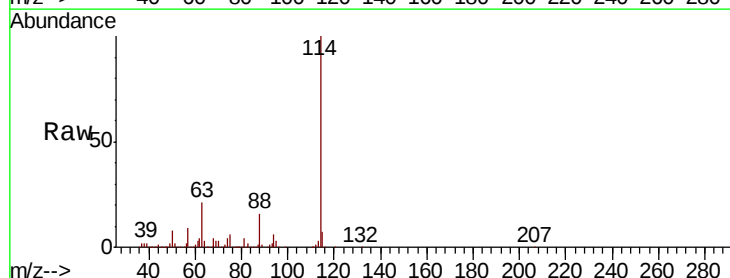
Tgt Ion: 114 Resp: 231453

Ion Ratio Lower Upper

114 100

63 21.2 0.0 36.4

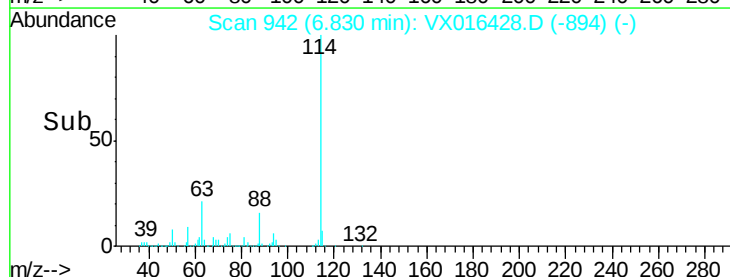
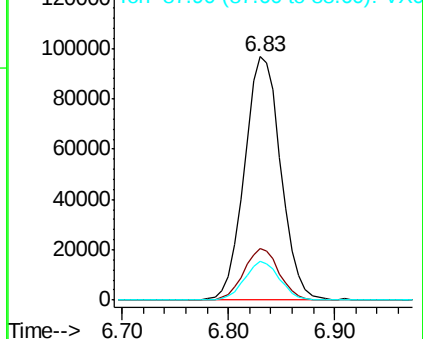
88 16.2 0.0 29.2

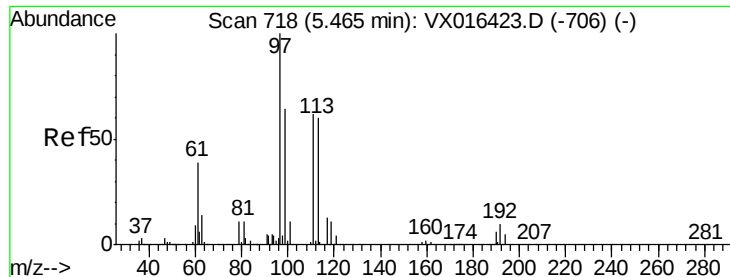


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 5.277 ug/l

RT: 5.48 min Scan# 720

Delta R.T. 0.01 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

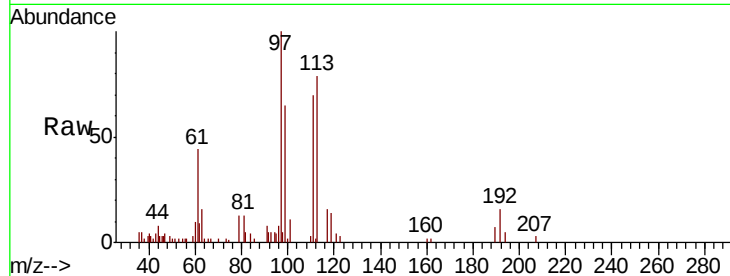
Tot Ion:113 Resp: 7812

Ion Ratio Lower Upper

113 100

111 96.4 82.5 123.7

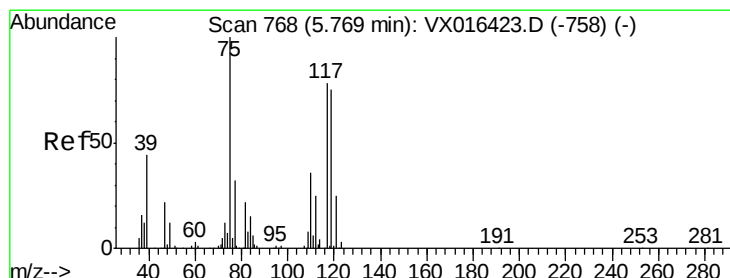
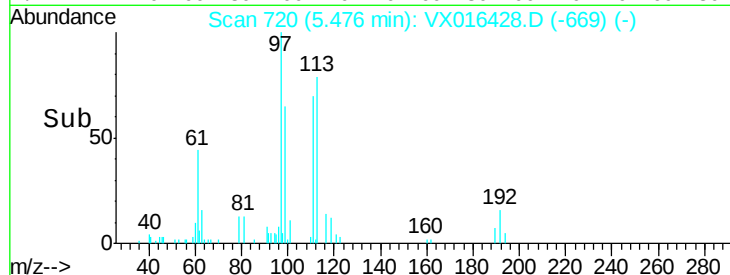
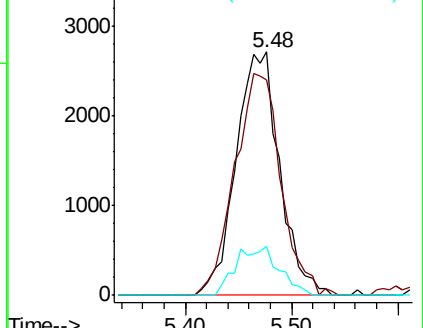
192 19.7 16.5 24.7



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: 5.376 ug/l

RT: 5.76 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

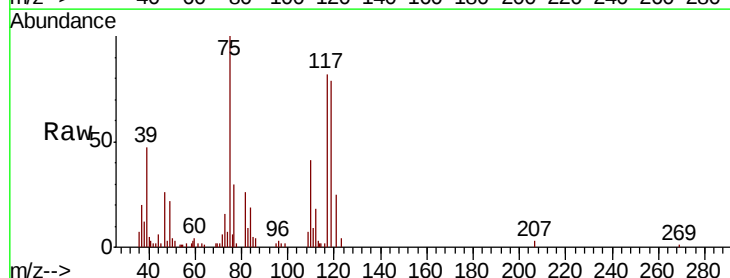
Tgt Ion: 75 Resp: 11030

Ion Ratio Lower Upper

75 100

110 35.8 18.7 56.1

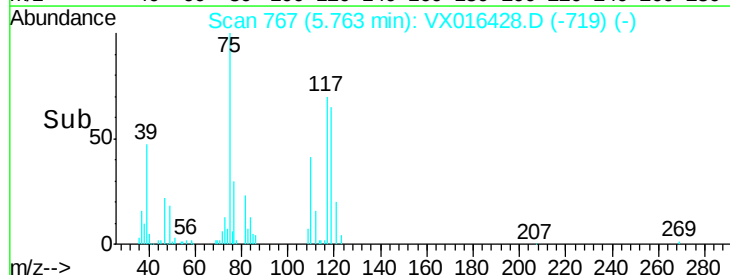
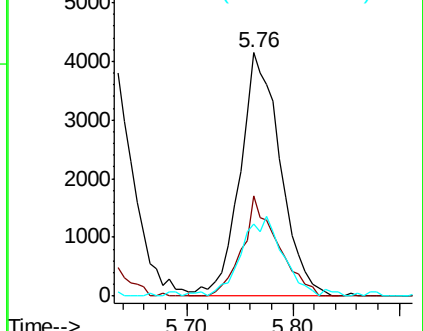
77 33.0 24.9 37.3

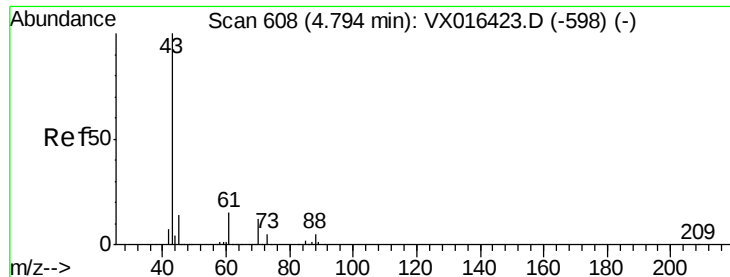


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

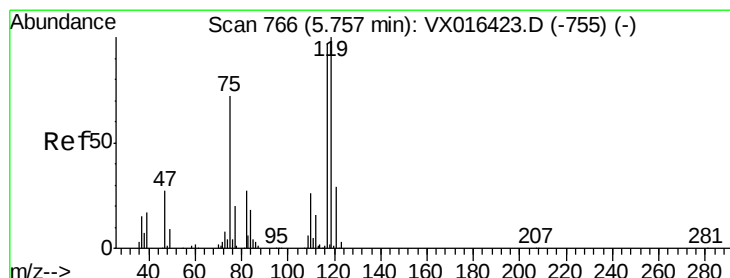
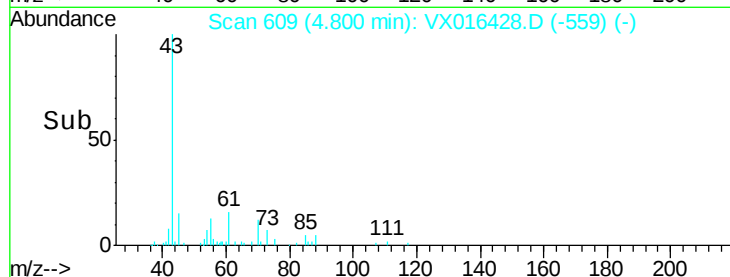
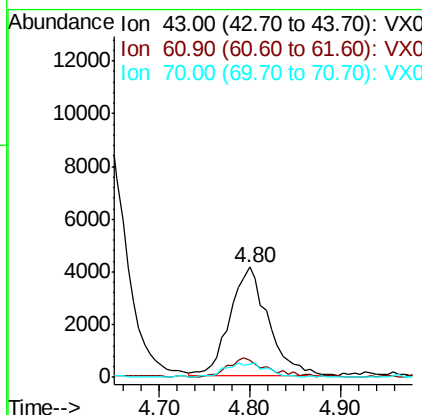
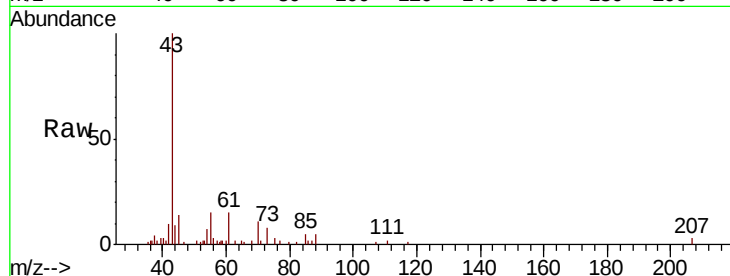




#37
Ethyl Acetate
Concen: 5.371 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX016428.D
Acq: 26 May 2020 15:54

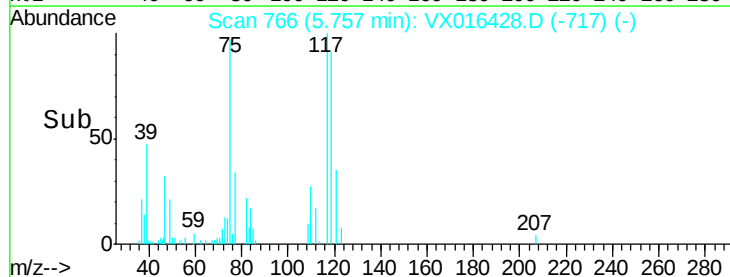
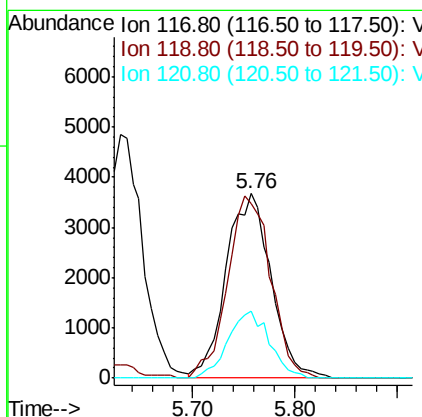
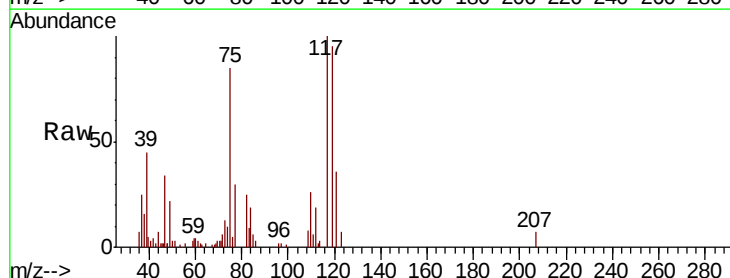
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

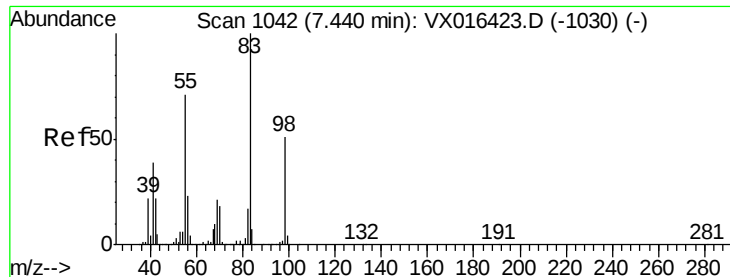
Tot Ion: 43 Resp: 12180
Ion Ratio Lower Upper
43 100
61 18.3 11.8 17.8#
70 14.4 9.6 14.4#



#38
Carbon Tetrachloride
Concen: 5.046 ug/l
RT: 5.76 min Scan# 766
Delta R.T. -0.00 min
Lab File: VX016428.D
Acq: 26 May 2020 15:54

Tgt Ion: 117 Resp: 11222
Ion Ratio Lower Upper
117 100
119 94.9 82.2 123.4
121 36.3 24.1 36.1#

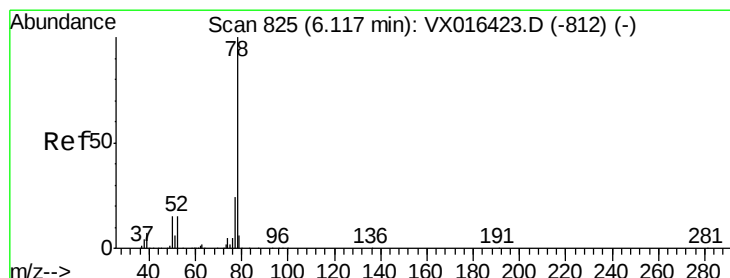
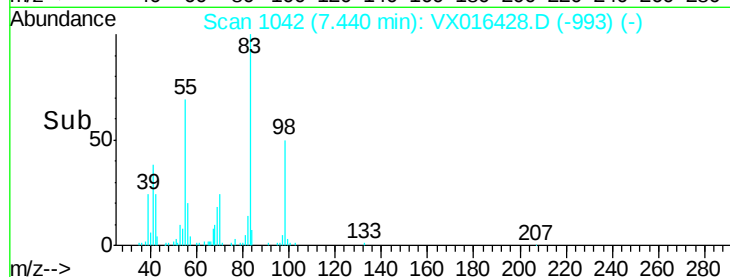
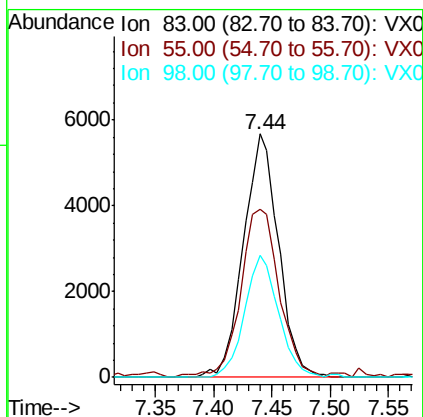
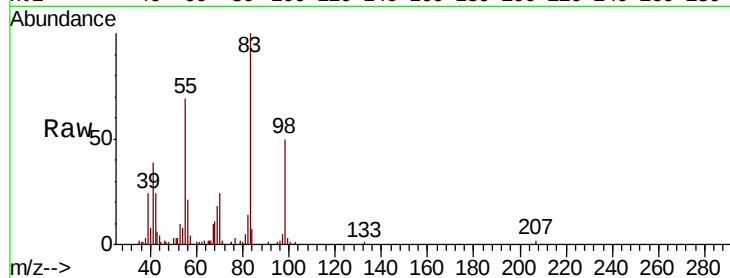




#39
Methvlcvclohexane
Concen: 5.229 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX016428.D
Acq: 26 May 2020 15:54

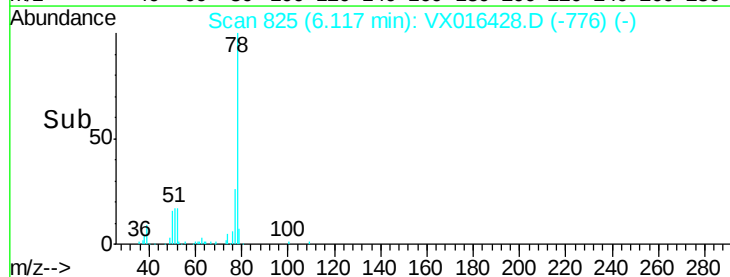
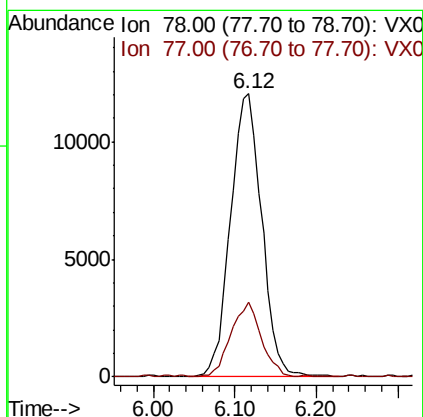
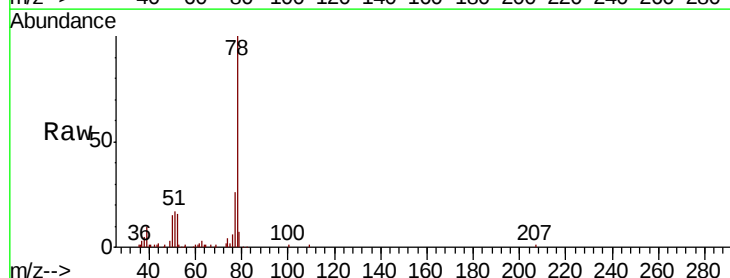
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

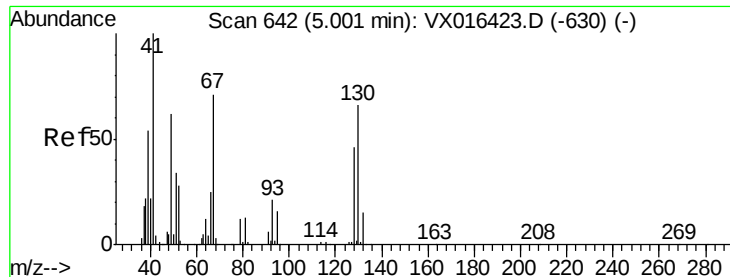
Tot Ion: 83 Resp: 11884
Ion Ratio Lower Upper
83 100
55 67.8 56.8 85.2
98 50.1 40.6 61.0



#40
Benzene
Concen: 5.203 ug/l
RT: 6.12 min Scan# 825
Delta R.T. -0.00 min
Lab File: VX016428.D
Acq: 26 May 2020 15:54

Tgt Ion: 78 Resp: 31867
Ion Ratio Lower Upper
78 100
77 26.2 18.9 28.3





#41

Methacrylonitrile

Concen: 5.372 ug/l

RT: 5.01 min Scan# 643

Delta R.T. 0.01 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 41 Resp: 6514

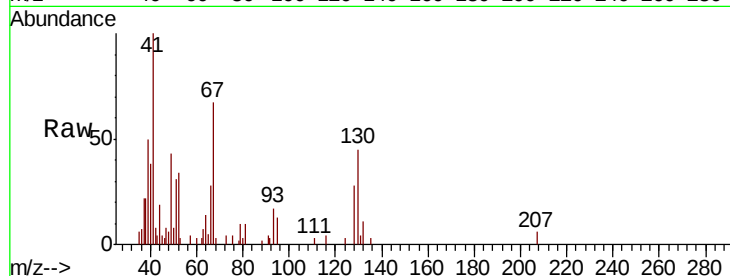
Ion Ratio Lower Upper

41 100

39 49.0 44.4 66.6

67 78.8 62.2 93.4

52 36.3 25.2 37.8

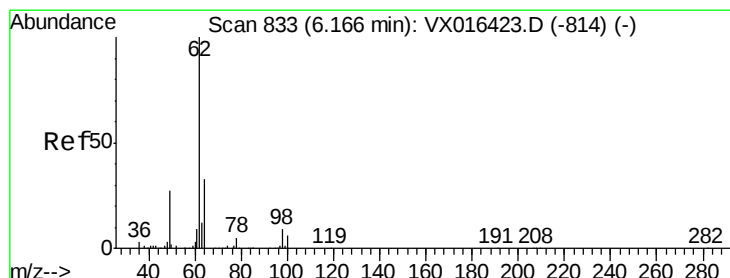
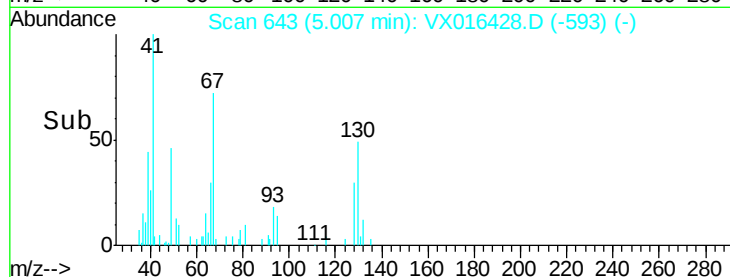
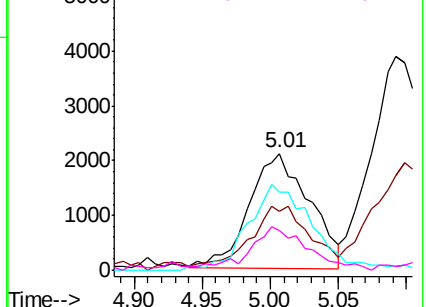


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 5.552 ug/l

RT: 6.17 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX016428.D

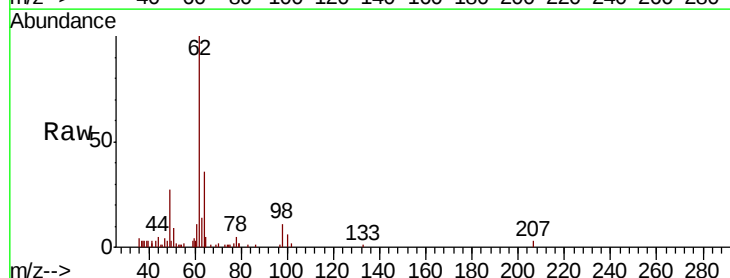
Acq: 26 May 2020 15:54

Tgt Ion: 62 Resp: 12412

Ion Ratio Lower Upper

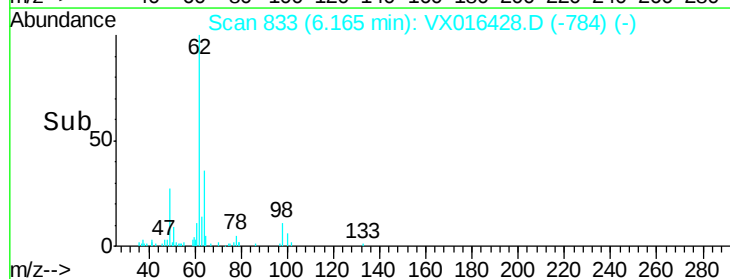
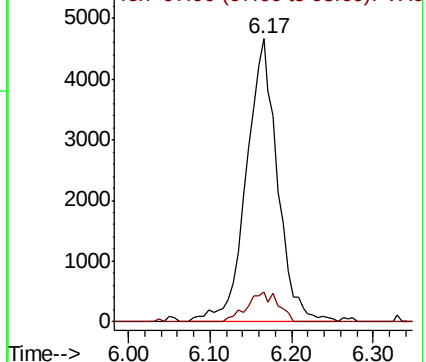
62 100

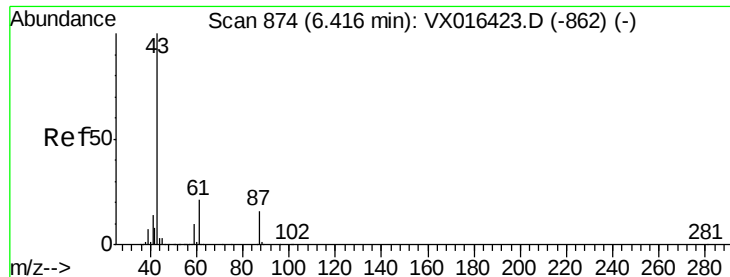
98 10.5 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 5.264 ug/l

RT: 6.42 min Scan# 875

Delta R.T. 0.01 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

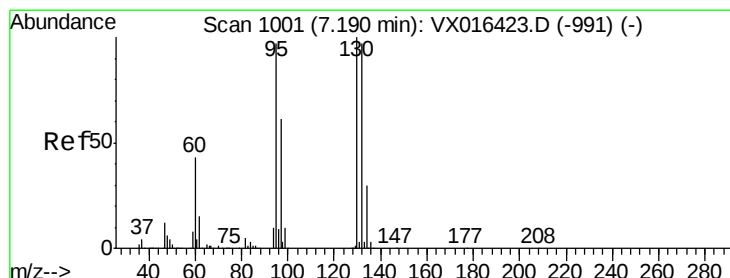
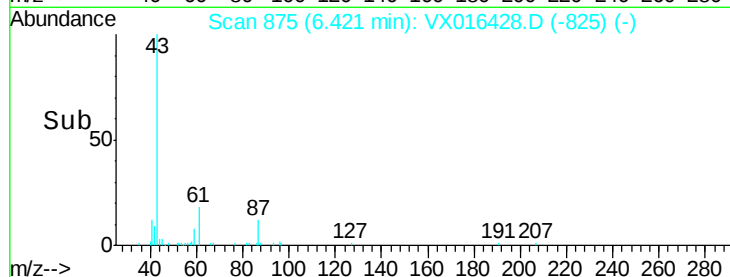
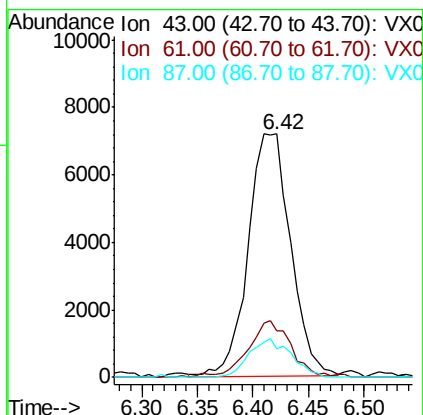
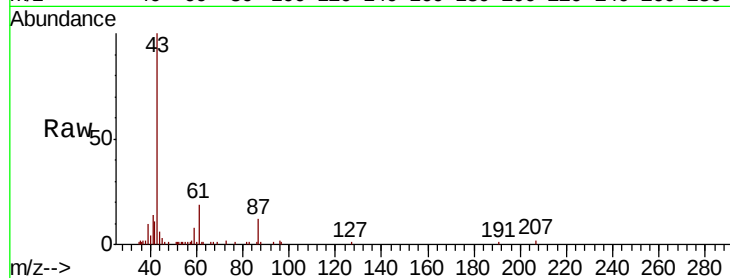
Tot Ion: 43 Resp: 19148

Ion Ratio Lower Upper

43 100

61 23.8 17.2 25.8

87 15.9 12.3 18.5



#44

Trichloroethene

Concen: 5.253 ug/l

RT: 7.20 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VX016428.D

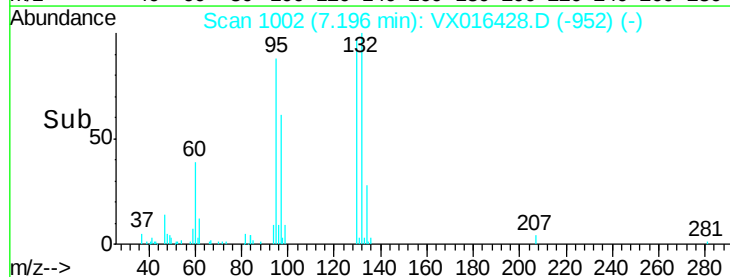
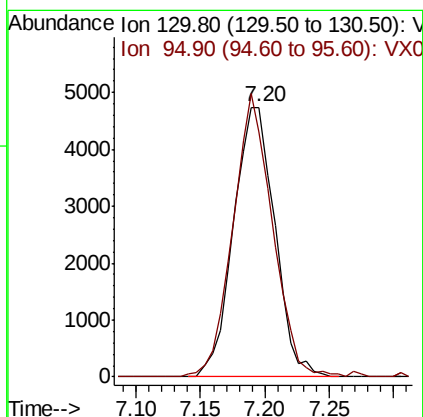
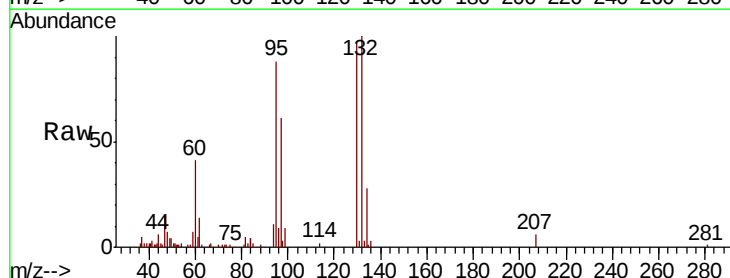
Acq: 26 May 2020 15:54

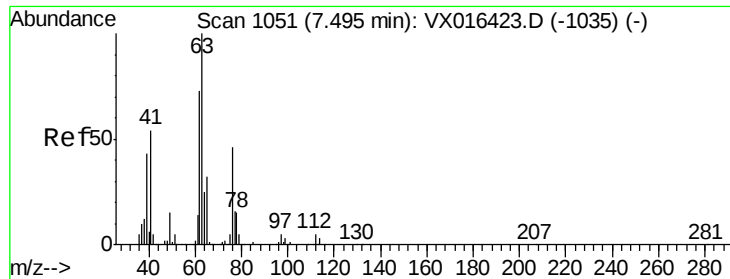
Tgt Ion: 130 Resp: 10545

Ion Ratio Lower Upper

130 100

95 89.6 0.0 194.0





#45

1,2-Dichloropropane

Concen: 5.427 ug/l

RT: 7.49 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

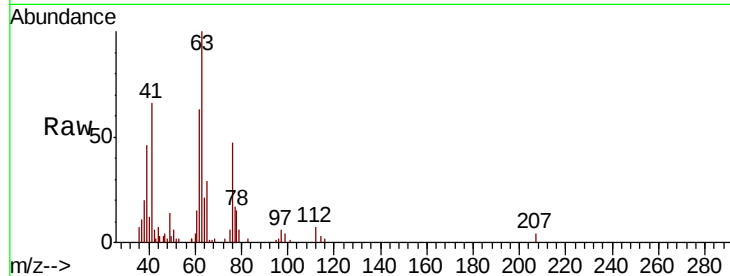
VSTDIC005

Tot Ion: 63 Resp: 8301

Ion Ratio Lower Upper

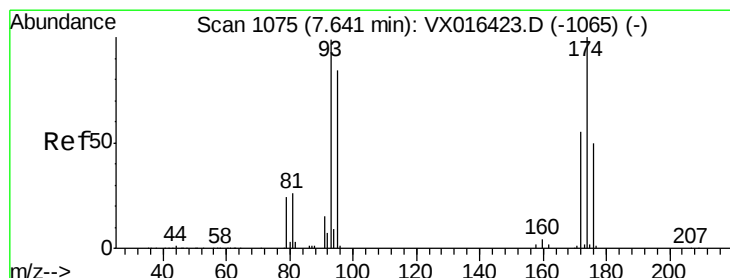
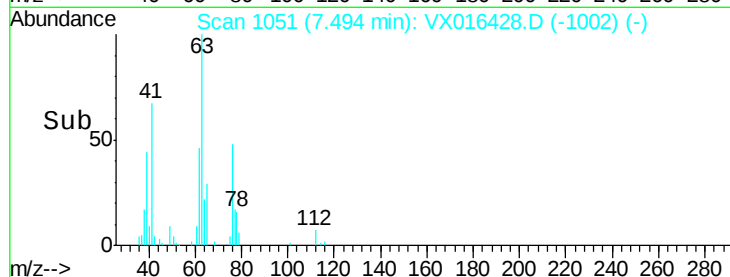
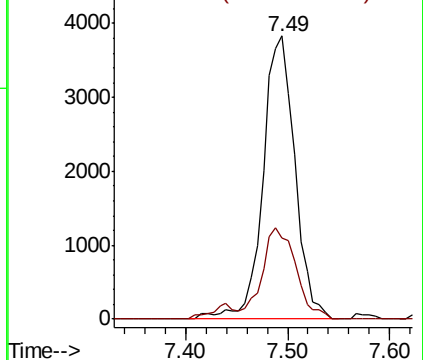
63 100

65 28.7 25.3 37.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 5.206 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

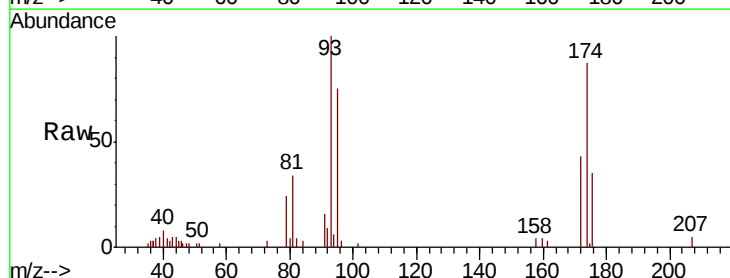
Tgt Ion: 93 Resp: 5802

Ion Ratio Lower Upper

93 100

95 82.3 65.0 97.4

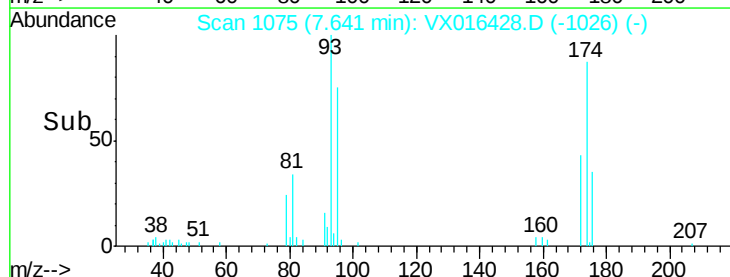
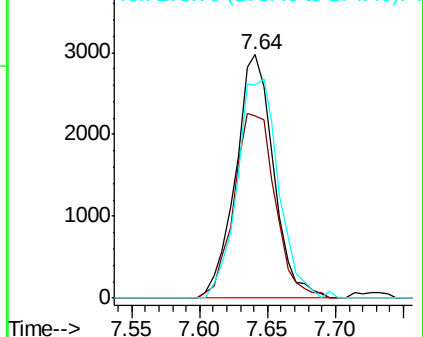
174 98.5 81.4 122.0

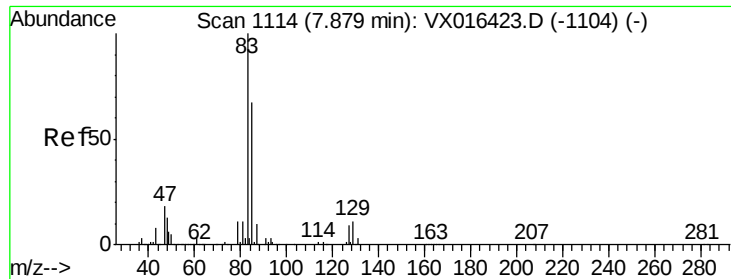


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 5.246 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

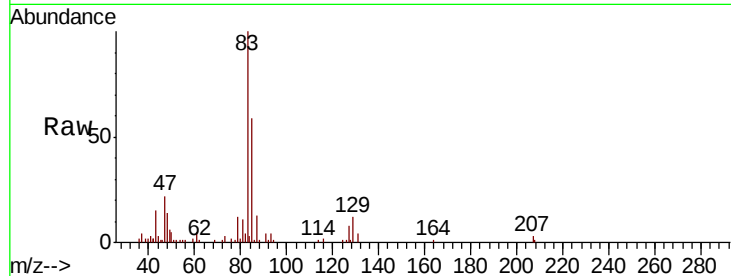
Tot Ion: 83 Resp: 11809

Ion Ratio Lower Upper

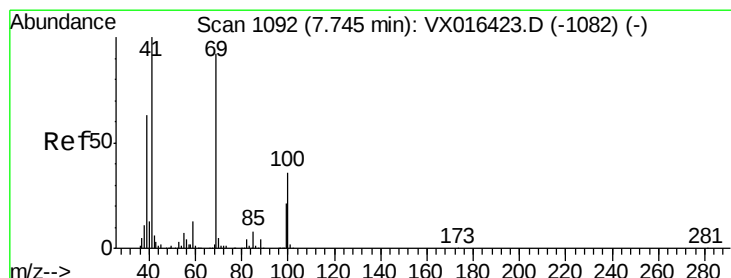
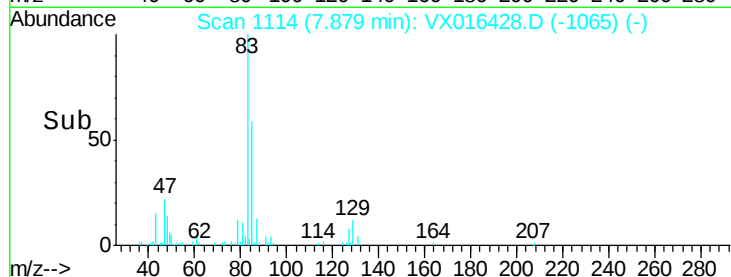
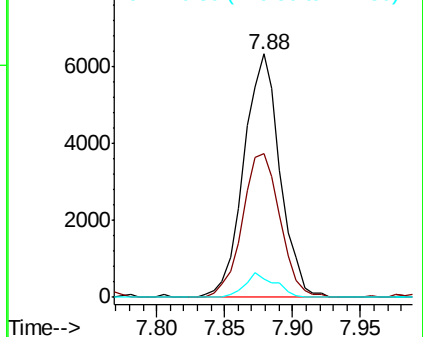
83 100

85 58.9 53.8 80.8

127 7.6 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 4.970 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

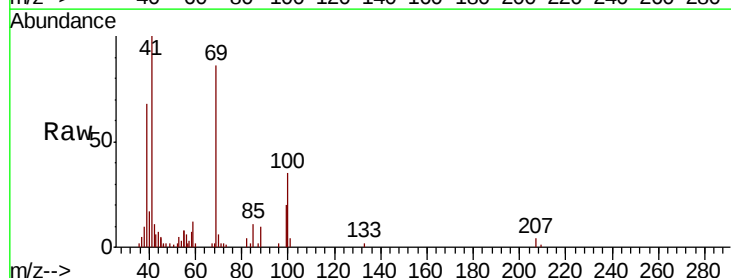
Tgt Ion: 41 Resp: 8238

Ion Ratio Lower Upper

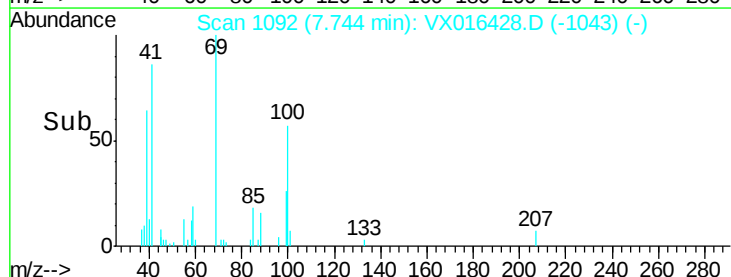
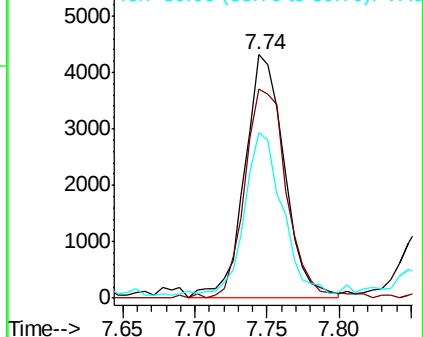
41 100

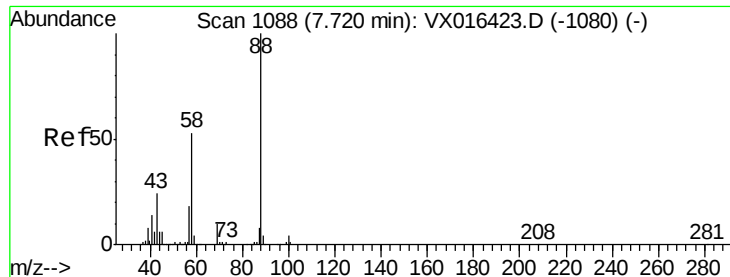
69 91.3 71.8 107.8

39 62.9 48.6 73.0



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 101.678 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.01 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

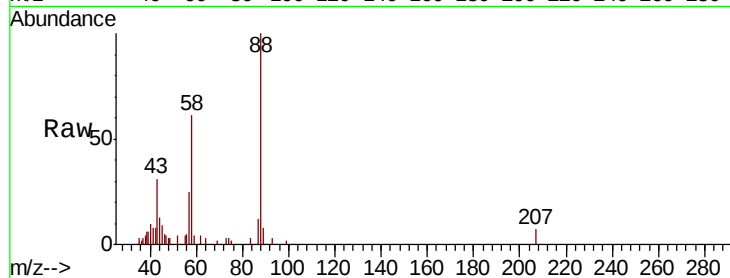
Tot Ion: 88 Resp: 4337

Ion Ratio Lower Upper

88 100

43 27.4 23.0 34.6

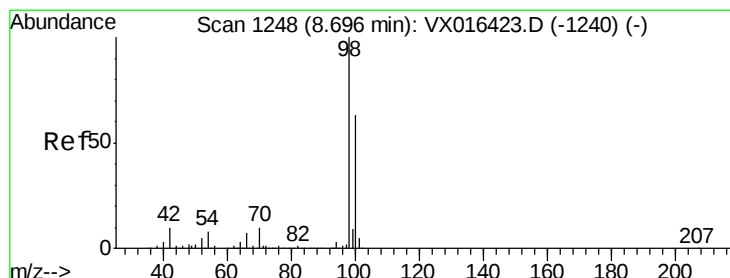
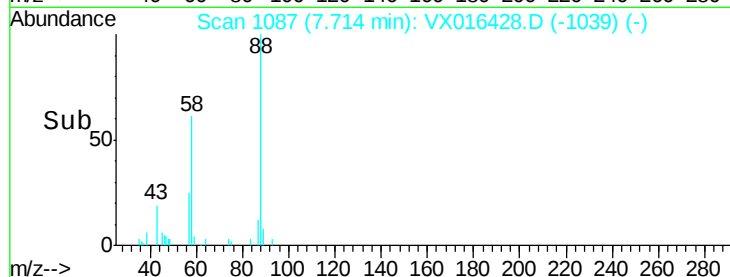
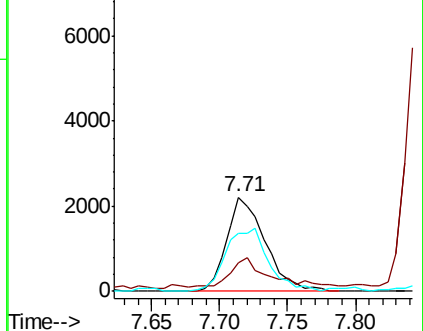
58 74.3 51.7 77.5



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 4.759 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016428.D

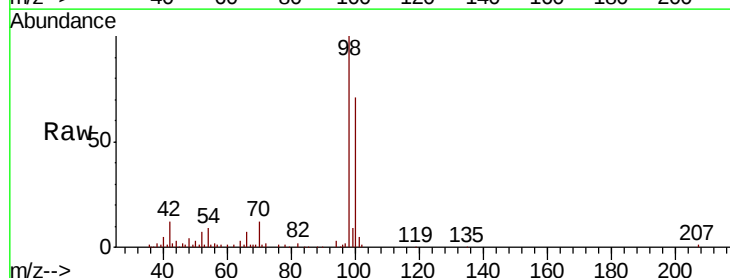
Acq: 26 May 2020 15:54

Tgt Ion: 98 Resp: 25950

Ion Ratio Lower Upper

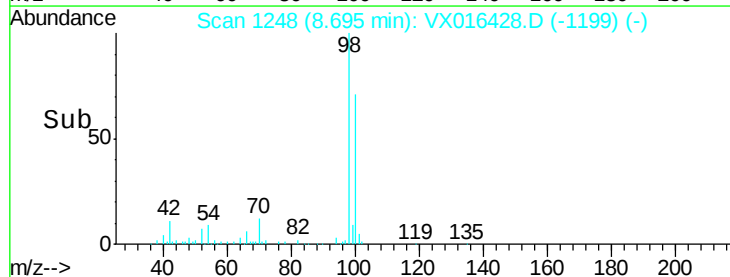
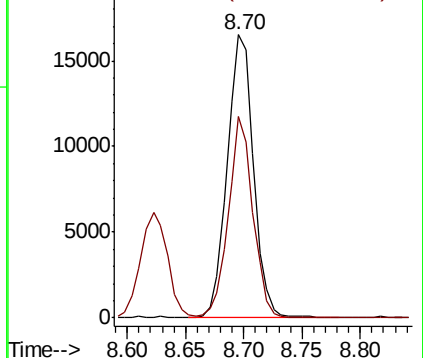
98 100

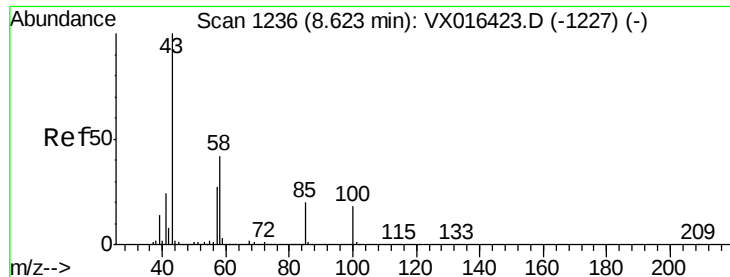
100 66.2 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 25.374 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

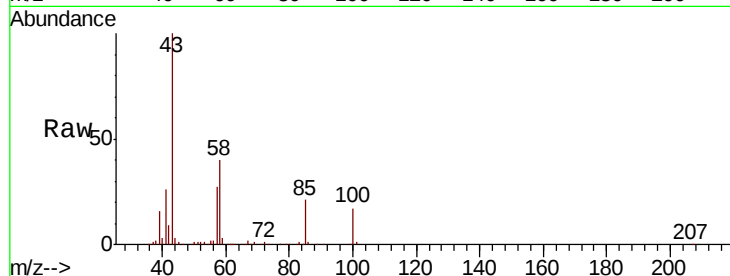
VSTDIC005

Tot Ion: 43 Resp: 58332

Ion Ratio Lower Upper

43 100

58 40.5 33.8 50.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.62

40000

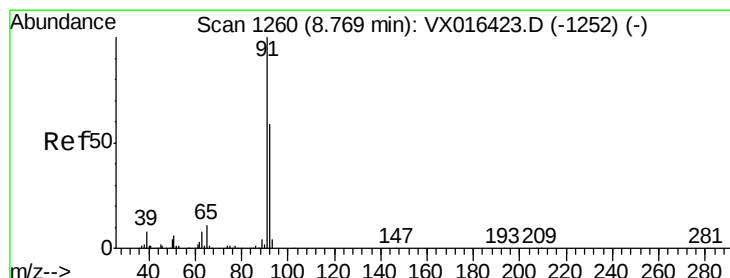
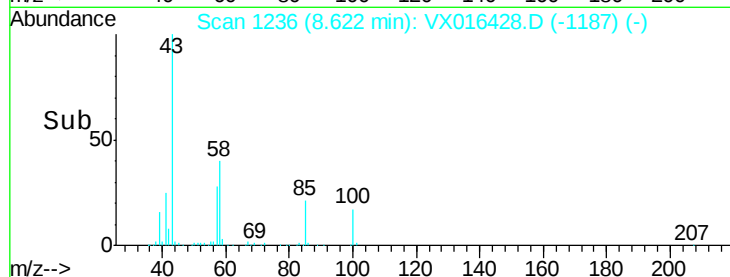
30000

20000

10000

0

Time--> 8.55 8.60 8.65 8.70



#52

Toluene

Concen: 4.928 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX016428.D

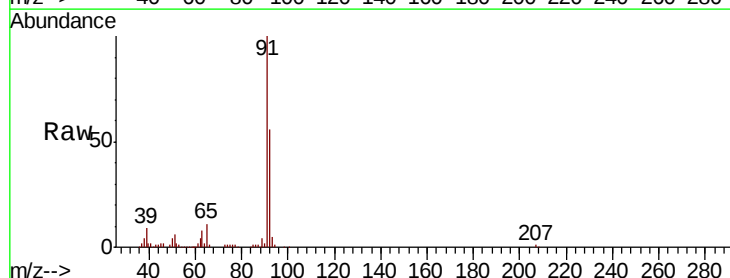
Acq: 26 May 2020 15:54

Tgt Ion: 92 Resp: 19366

Ion Ratio Lower Upper

92 100

91 174.2 135.7 203.5



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.77

25000

20000

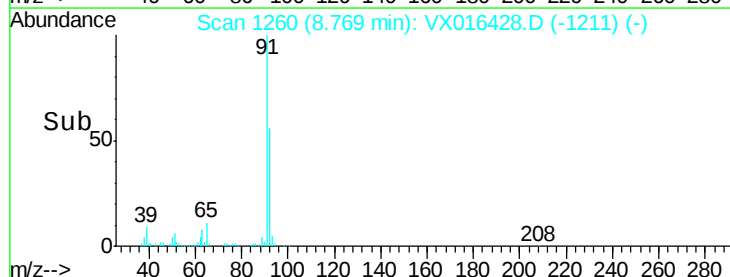
15000

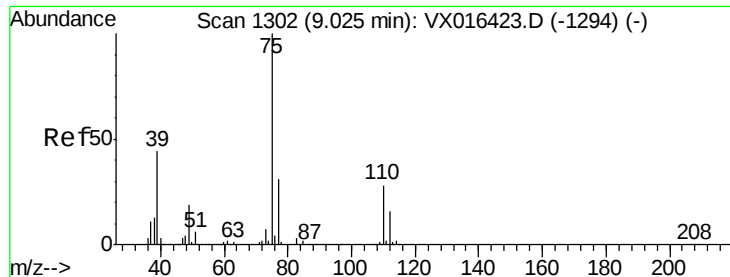
10000

5000

0

Time--> 8.70 8.75 8.80 8.85





#53

t-1,3-Dichloropropene

Concen: 5.120 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

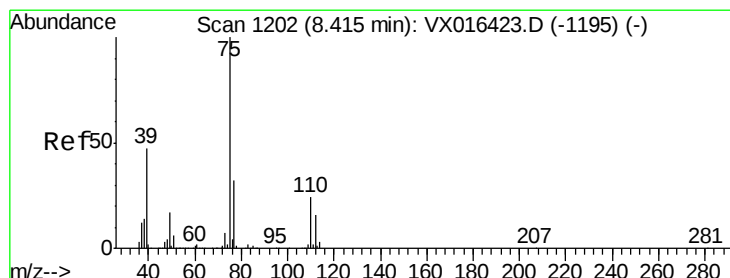
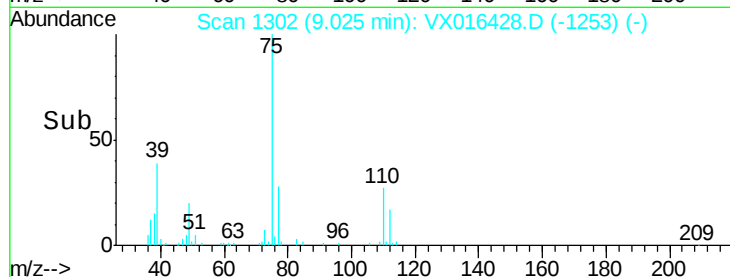
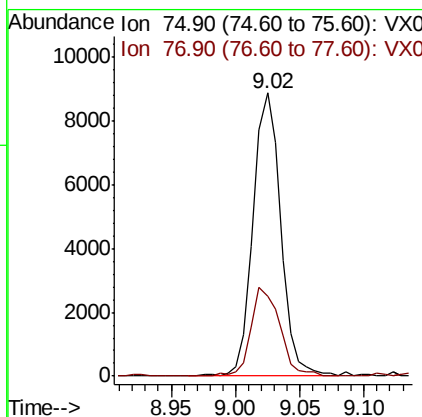
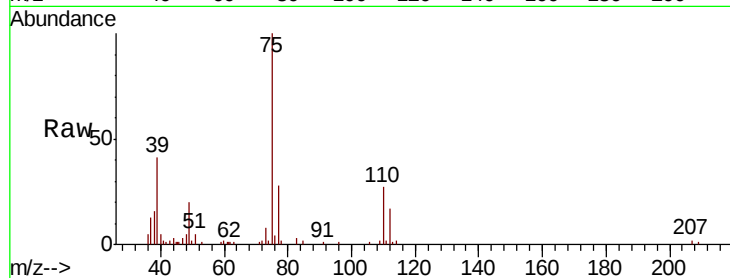
VSTDIC005

Tot Ion: 75 Resp: 13116

Ion Ratio Lower Upper

75 100

77 28.2 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 5.090 ug/l

RT: 8.41 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

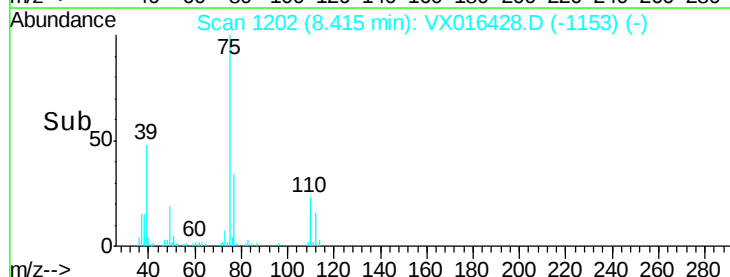
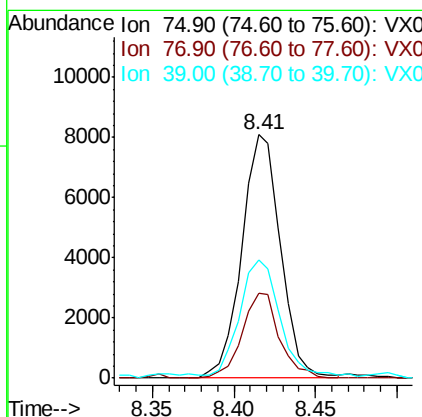
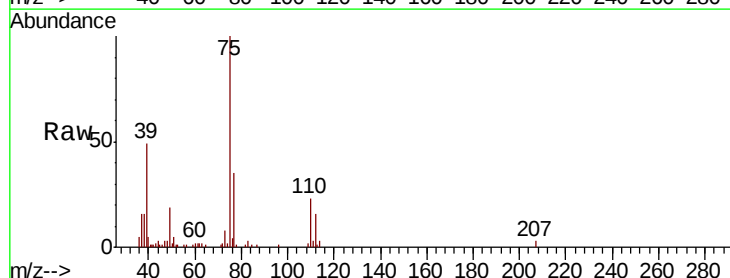
Tgt Ion: 75 Resp: 13406

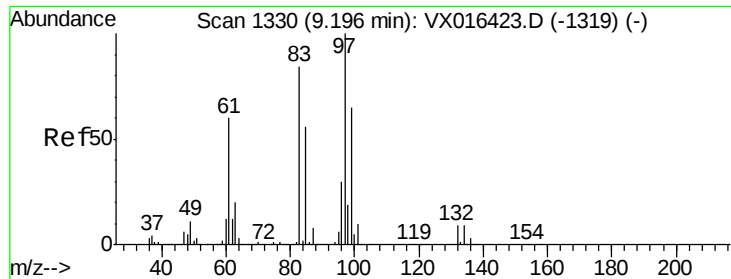
Ion Ratio Lower Upper

75 100

77 35.0 25.4 38.0

39 47.2 37.7 56.5

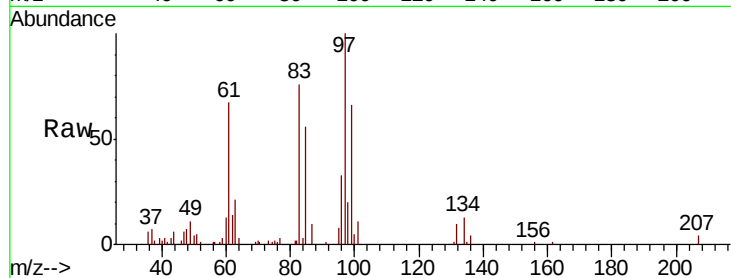




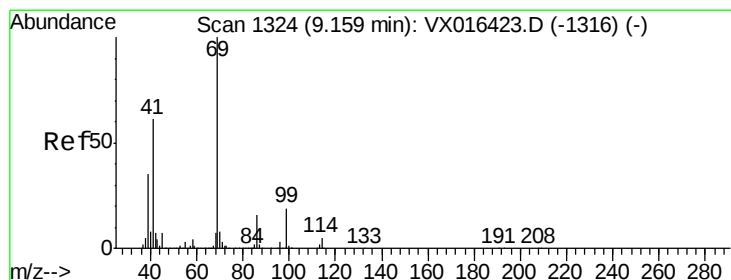
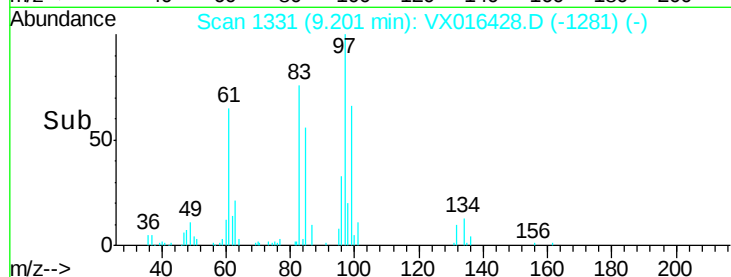
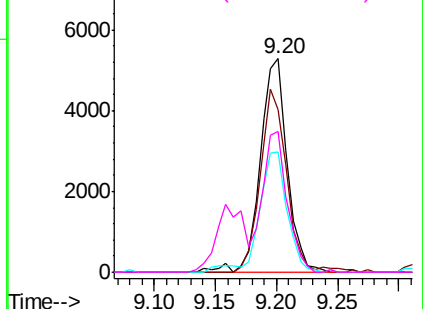
#55
 1,1,2-Trichloroethane
 Concen: 5.077 ug/l
 RT: 9.20 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: VX016428.D
 Acq: 26 May 2020 15:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	8136
Ion	Ratio	Lower	Upper
97	100		
83	76.2	66.9	100.3
85	56.3	45.2	67.8
99	65.8	51.9	77.9

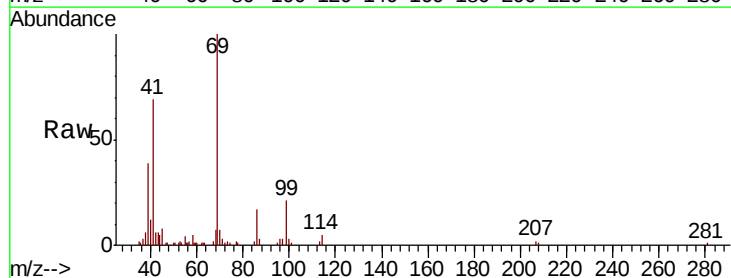


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

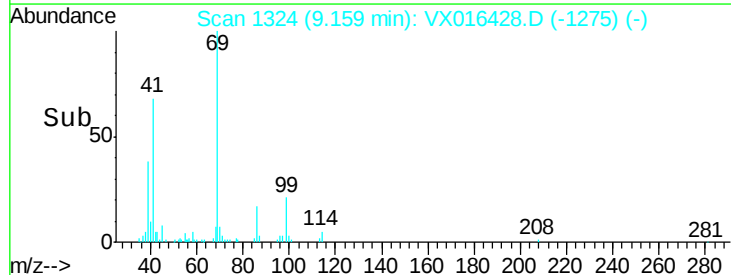
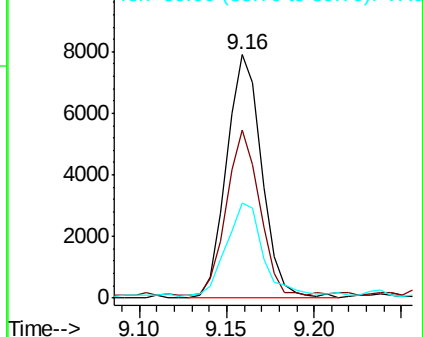


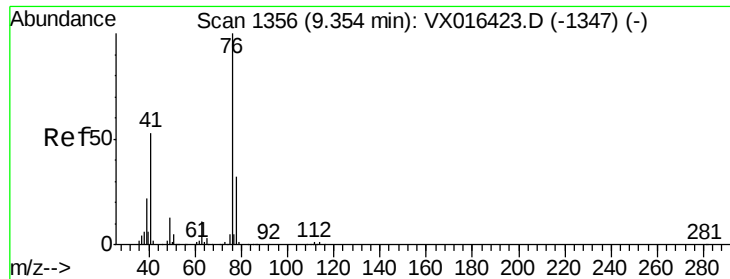
#56
 Ethyl methacrylate
 Concen: 4.604 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX016428.D
 Acq: 26 May 2020 15:54

Tgt Ion:	69	Resp:	11101
Ion	Ratio	Lower	Upper
69	100		
41	62.8	47.9	71.9
39	41.1	28.7	43.1



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 5.097 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

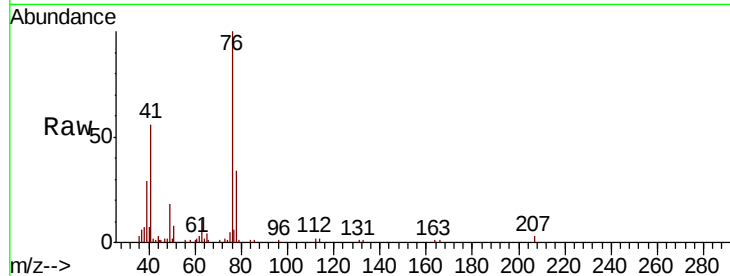
VSTDIC005

Tot Ion: 76 Resp: 13542

Ion Ratio Lower Upper

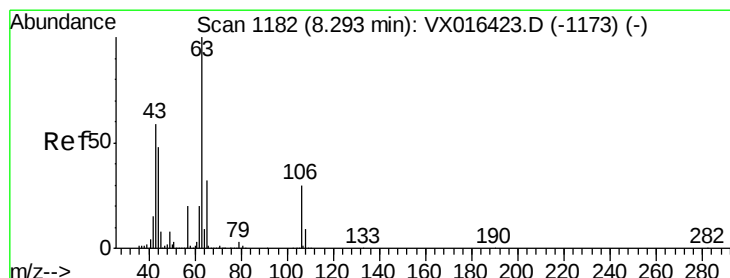
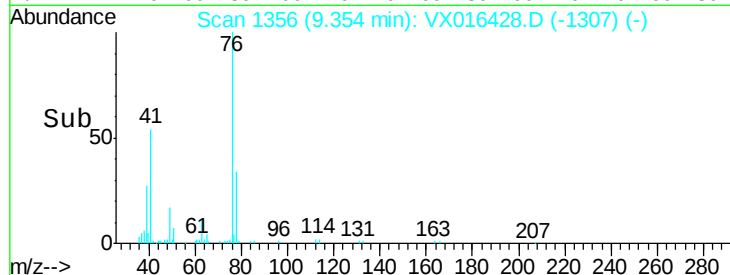
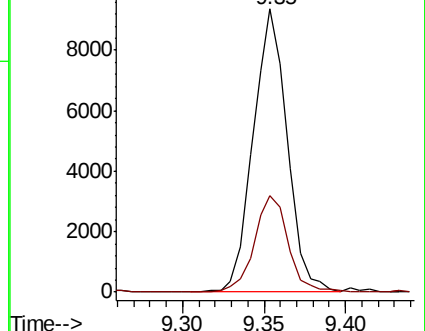
76 100

78 33.9 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 24.017 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VX016428.D

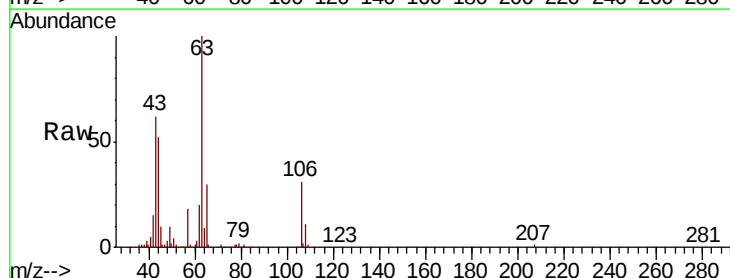
Acq: 26 May 2020 15:54

Tgt Ion: 63 Resp: 30890

Ion Ratio Lower Upper

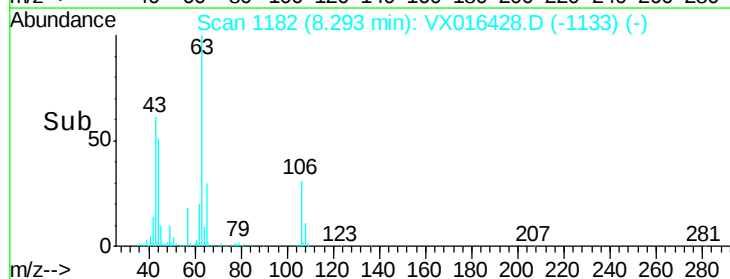
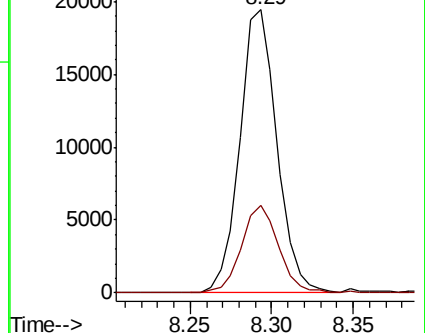
63 100

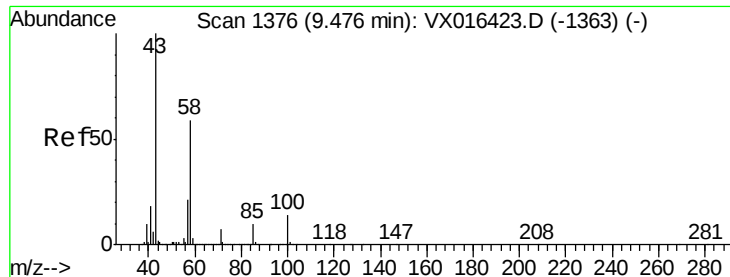
106 30.7 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

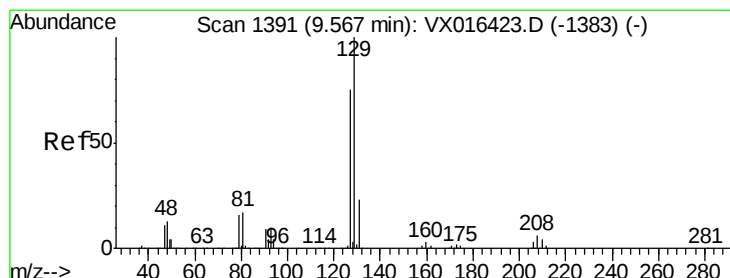
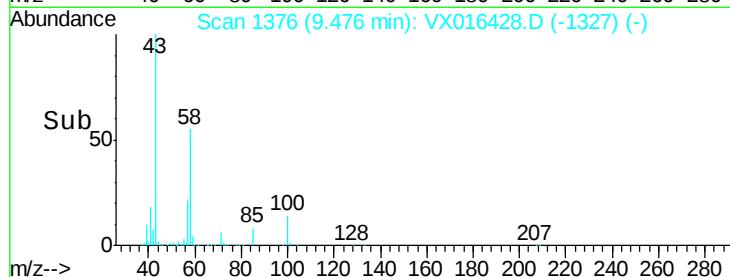
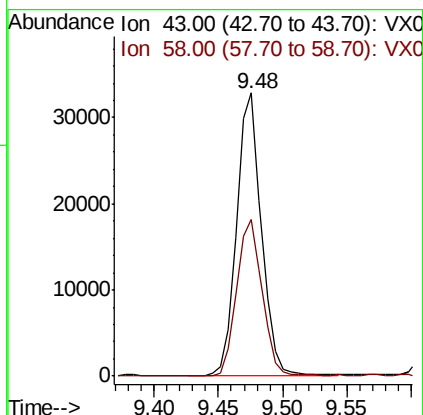
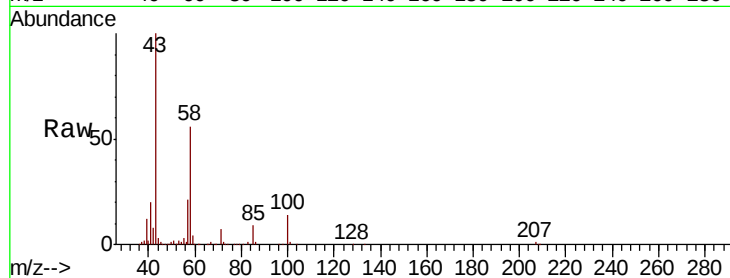




#59
2-Hexanone
Concen: 24.651 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX016428.D
Acq: 26 May 2020 15:54

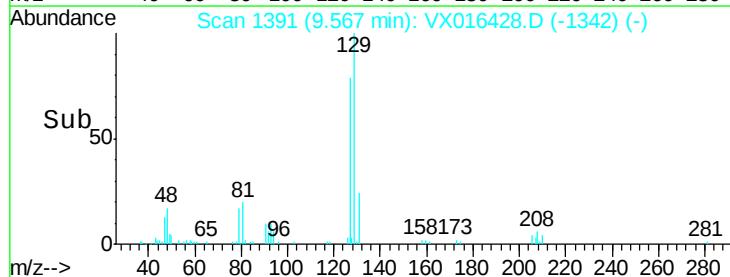
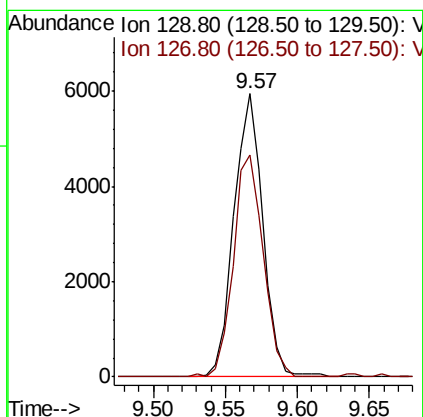
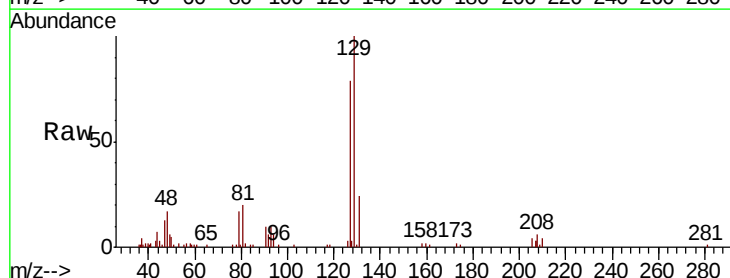
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

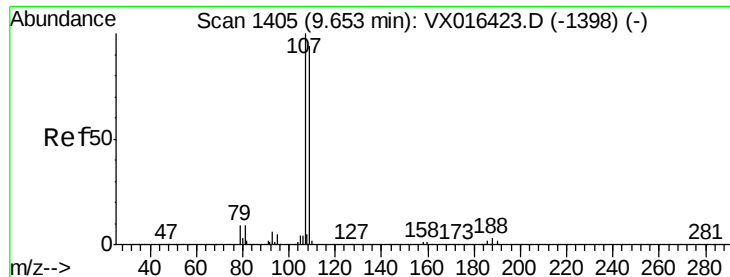
Tot Ion: 43 Resp: 43636
Ion Ratio Lower Upper
43 100
58 57.7 29.1 87.3



#60
Dibromochloromethane
Concen: 4.511 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX016428.D
Acq: 26 May 2020 15:54

Tgt Ion: 129 Resp: 8312
Ion Ratio Lower Upper
129 100
127 81.2 38.6 115.8

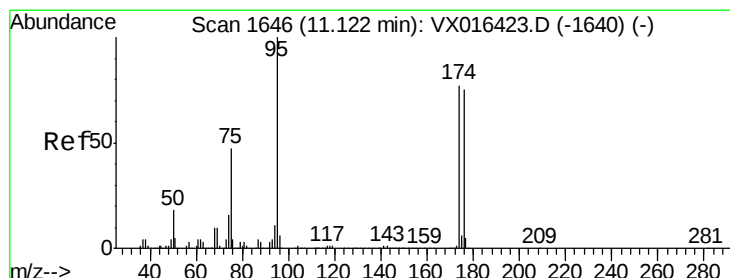
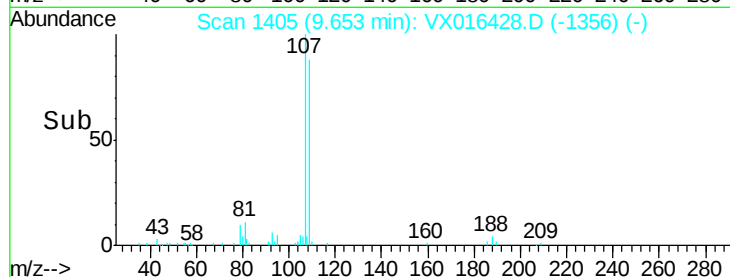
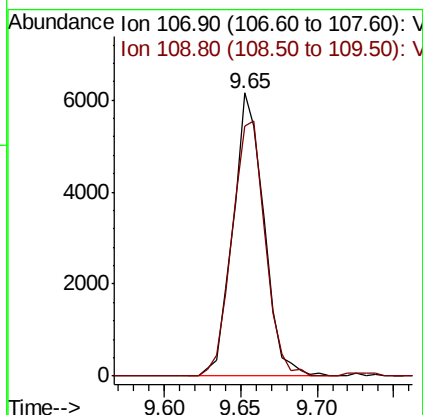
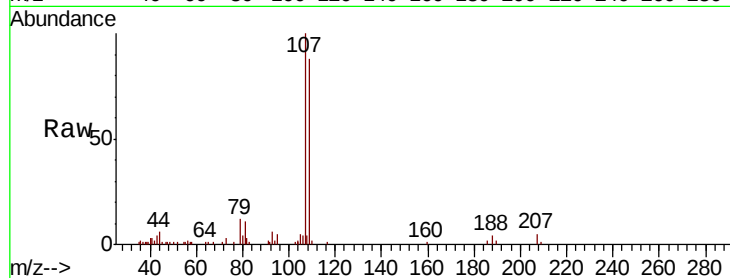




#61
 1,2-Dibromoethane
 Concen: 4.905 ug/l
 RT: 9.65 min Scan# 1405
 Delta R.T. -0.00 min
 Lab File: VX016428.D
 Acq: 26 May 2020 15:54

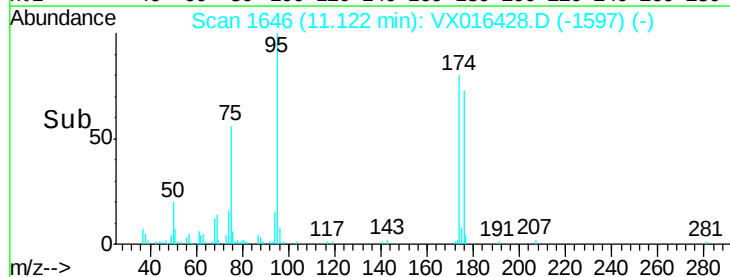
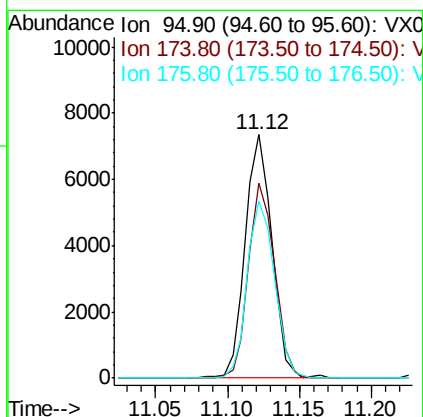
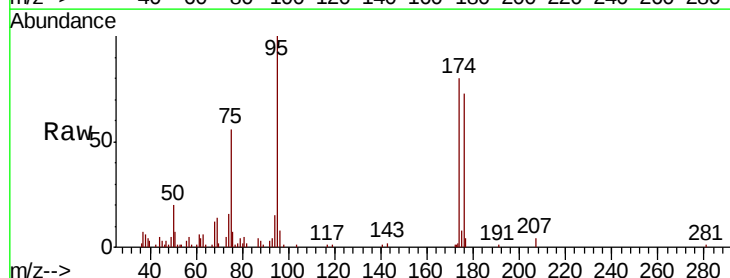
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

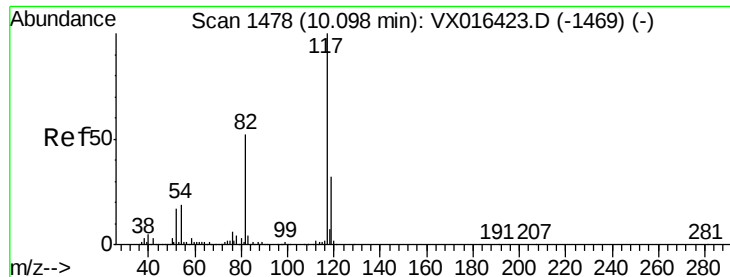
Tot Ion: 107 Resp: 8626
 Ion Ratio Lower Upper
 107 100
 109 95.9 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 4.662 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.00 min
 Lab File: VX016428.D
 Acq: 26 May 2020 15:54

Tgt Ion: 95 Resp: 9435
 Ion Ratio Lower Upper
 95 100
 174 78.5 0.0 162.6
 176 74.1 0.0 158.2

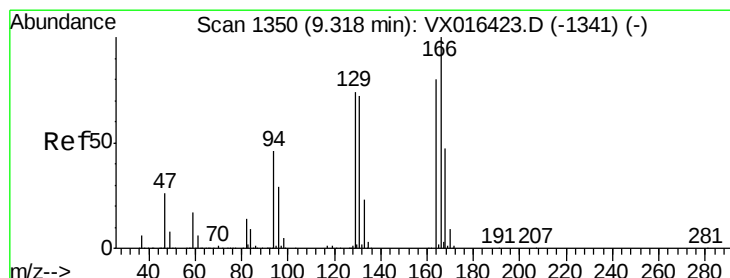
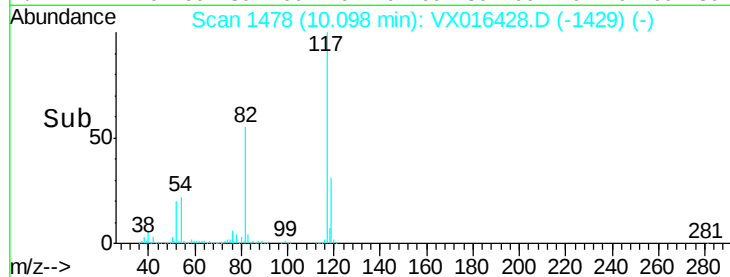
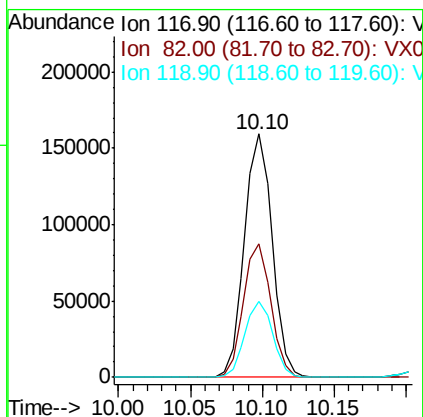
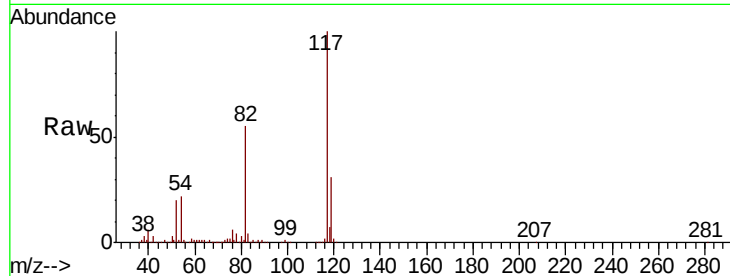




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016428.D
Acq: 26 May 2020 15:54

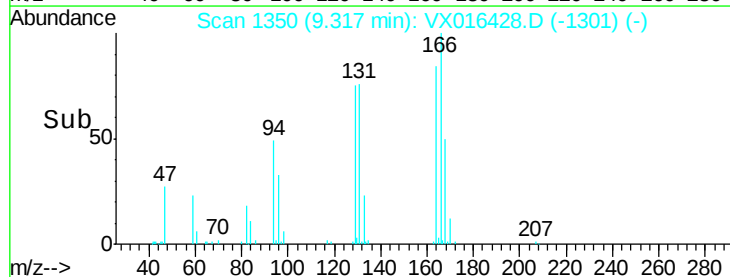
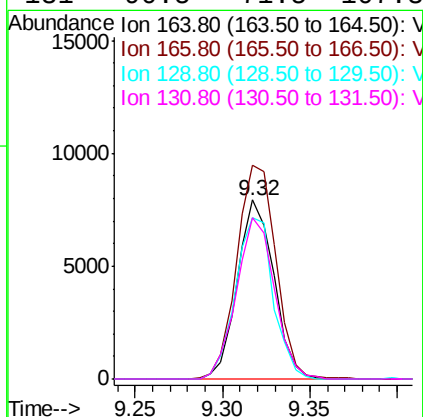
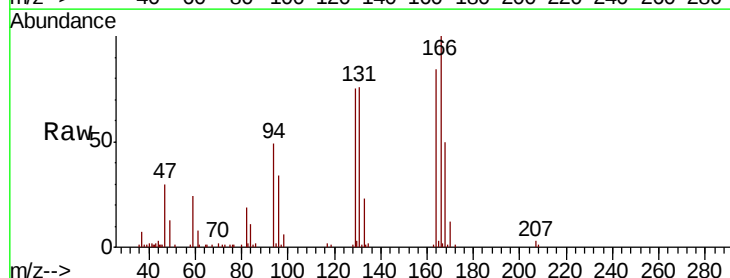
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

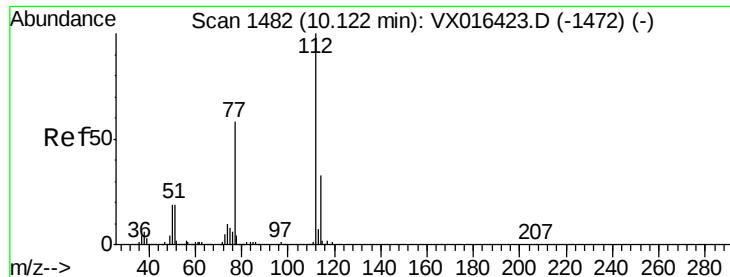
Tot Ion:117 Resp: 213423
Ion Ratio Lower Upper
117 100
82 55.0 41.8 62.6
119 31.4 25.7 38.5



#64
Tetrachloroethene
Concen: 5.189 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016428.D
Acq: 26 May 2020 15:54

Tgt Ion:164 Resp: 11537
Ion Ratio Lower Upper
164 100
166 119.6 99.5 149.3
129 90.2 73.4 110.0
131 90.5 71.5 107.3

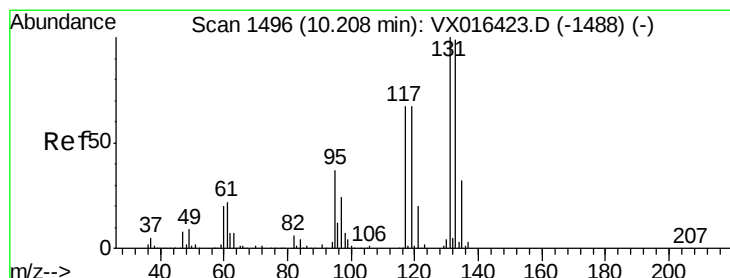
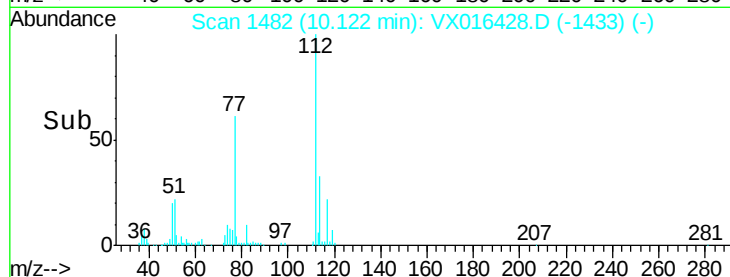
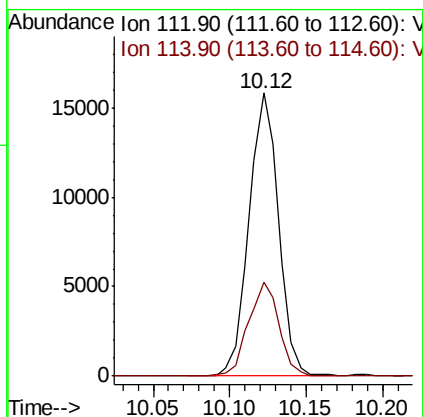
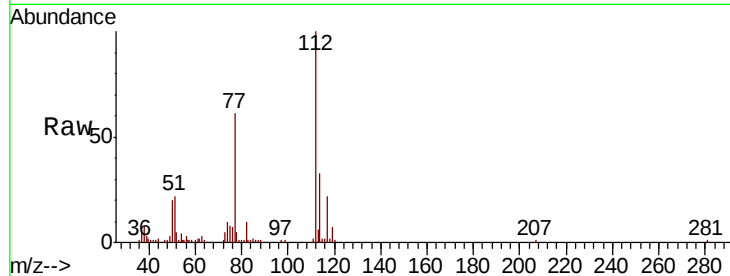




#65
Chlorobenzene
Concen: 5.047 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016428.D
Acq: 26 May 2020 15:54

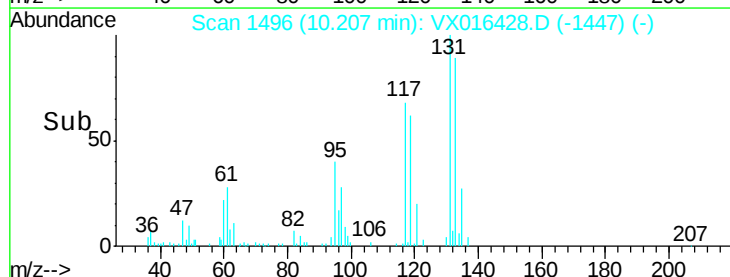
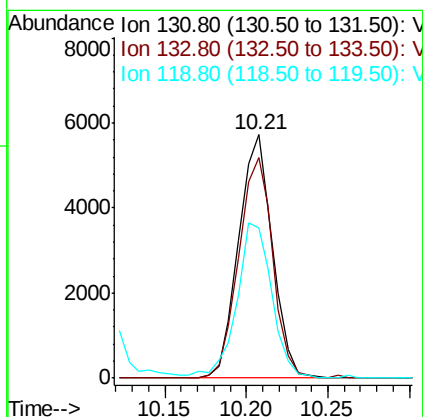
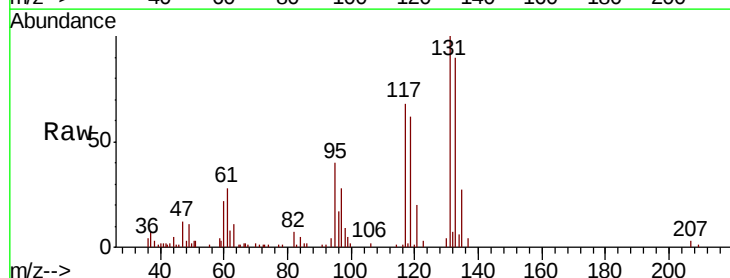
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

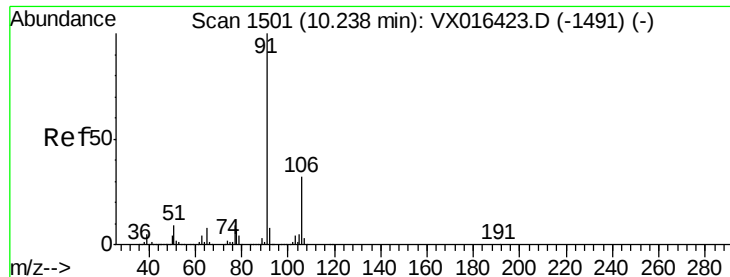
Tot Ion:112 Resp: 21248
Ion Ratio Lower Upper
112 100
114 33.2 26.6 40.0



#66
1,1,1,2-Tetrachloroethane
Concen: 5.051 ug/l
RT: 10.21 min Scan# 1496
Delta R.T. -0.00 min
Lab File: VX016428.D
Acq: 26 May 2020 15:54

Tgt Ion:131 Resp: 8258
Ion Ratio Lower Upper
131 100
133 91.1 48.0 144.2
119 66.0 33.0 98.9

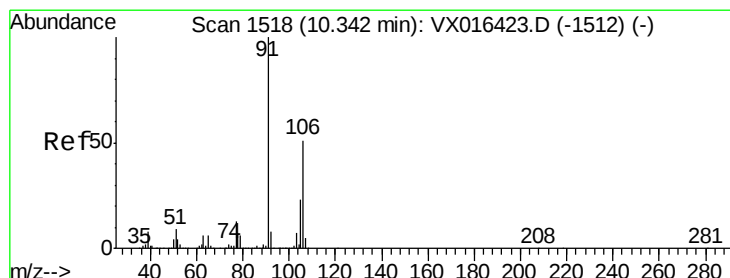
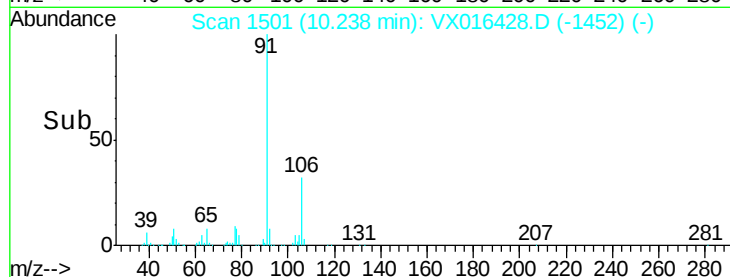
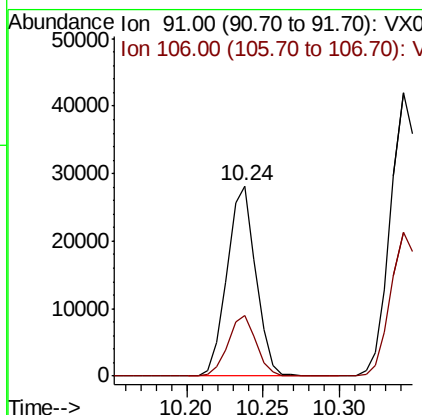
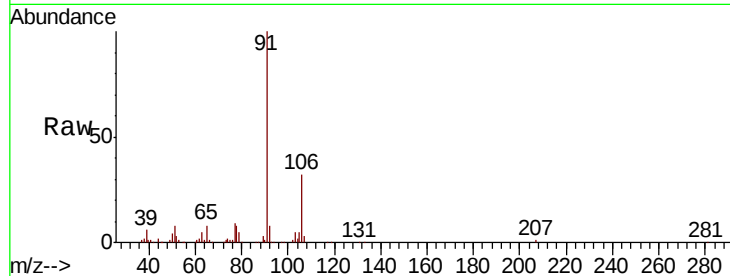




#67
Ethyl Benzene
Concen: 5.024 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VX016428.D
Acq: 26 May 2020 15:54

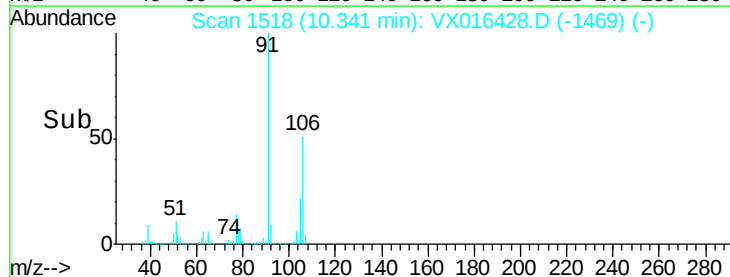
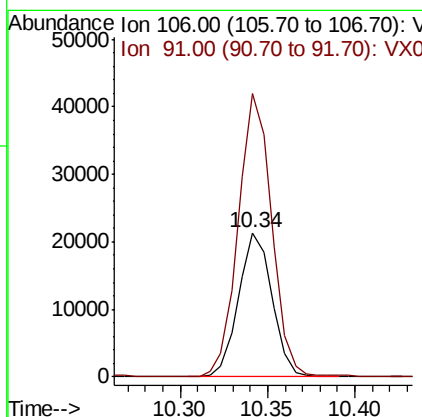
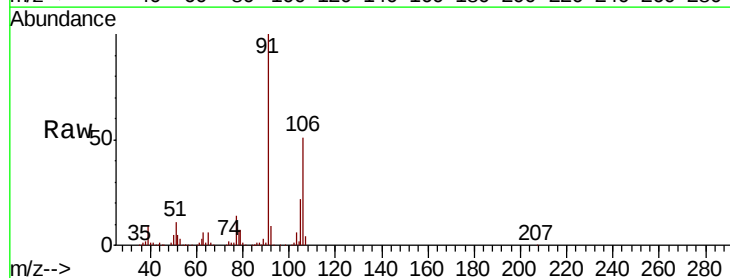
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

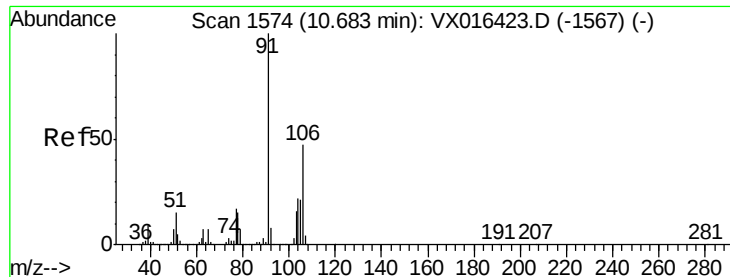
Tot Ion: 91 Resp: 36831
Ion Ratio Lower Upper
91 100
106 32.0 25.8 38.8



#68
m/p-Xylenes
Concen: 9.900 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX016428.D
Acq: 26 May 2020 15:54

Tgt Ion: 106 Resp: 28382
Ion Ratio Lower Upper
106 100
91 197.6 158.2 237.4

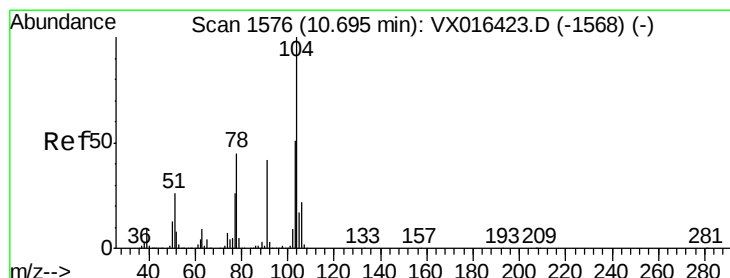
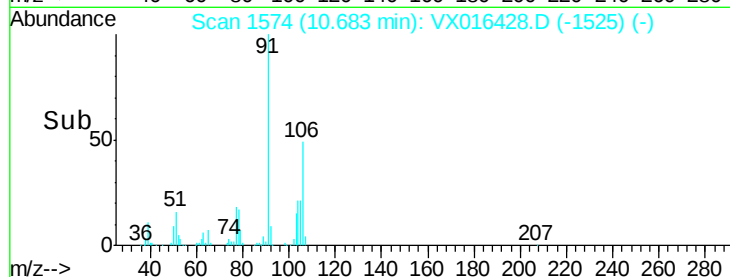
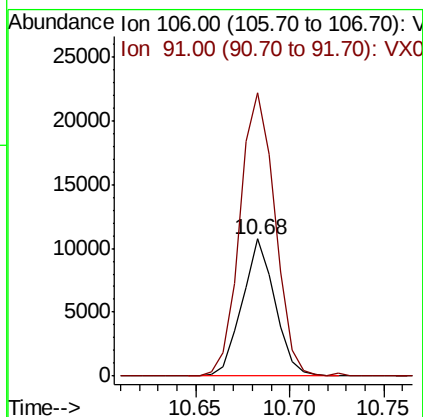
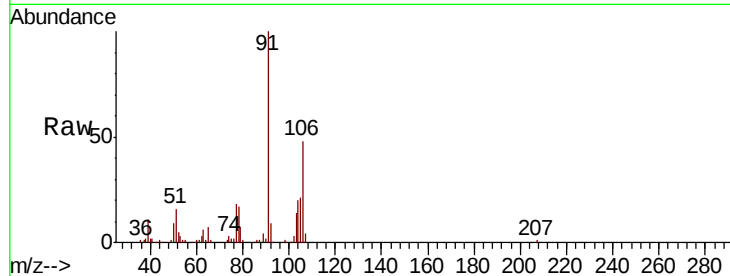




#69
o-Xylene
Concen: 4.784 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016428.D
Acq: 26 May 2020 15:54

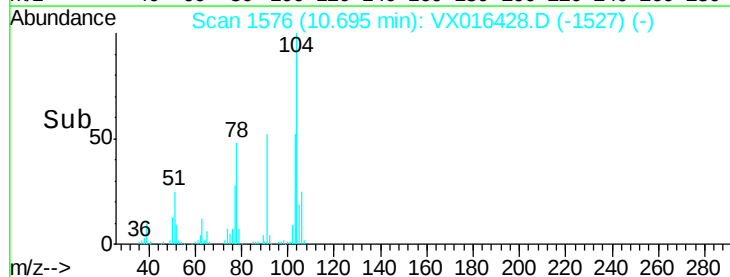
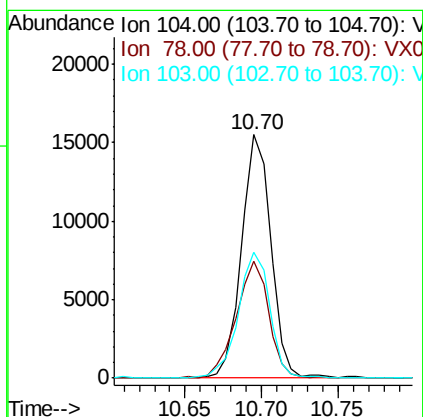
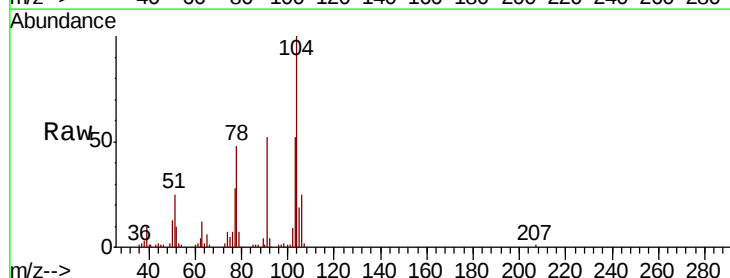
Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

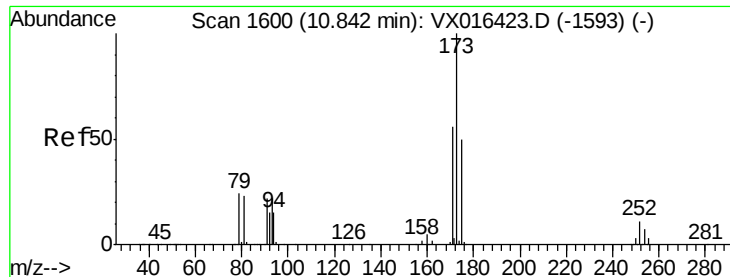
Tot Ion:106 Resp: 13034
Ion Ratio Lower Upper
106 100
91 219.6 104.0 312.0



#70
Styrene
Concen: 4.527 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016428.D
Acq: 26 May 2020 15:54

Tgt Ion:104 Resp: 20821
Ion Ratio Lower Upper
104 100
78 52.8 39.2 58.8
103 55.5 43.8 65.6





#71

Bromoform

Concen: 4.451 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

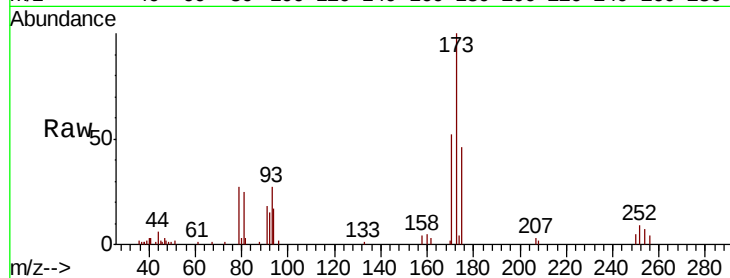
Tot Ion:173 Resp: 6007

Ion Ratio Lower Upper

173 100

175 46.8 24.5 73.5

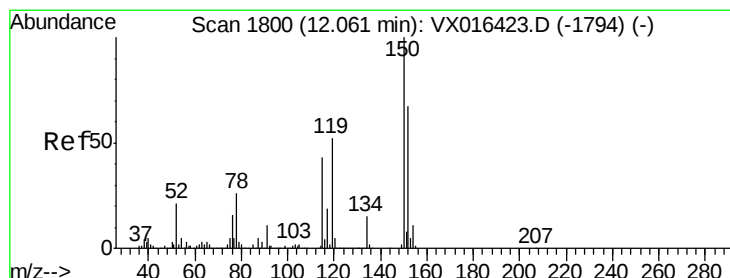
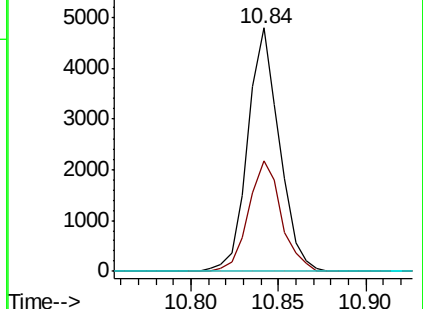
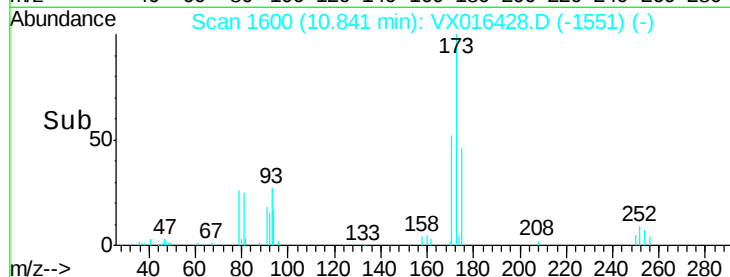
254 0.0 0.2 0.2#



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: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

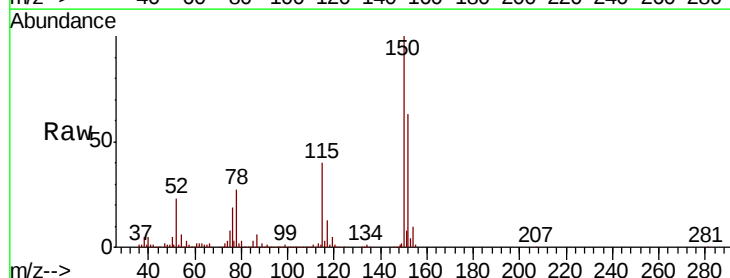
Tgt Ion:152 Resp: 95341

Ion Ratio Lower Upper

152 100

115 63.9 40.4 121.2

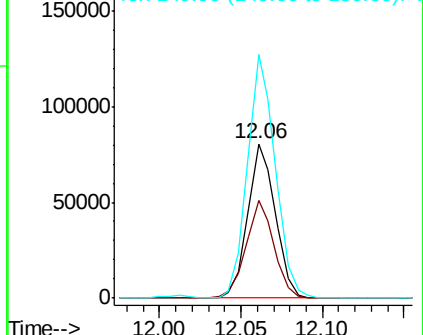
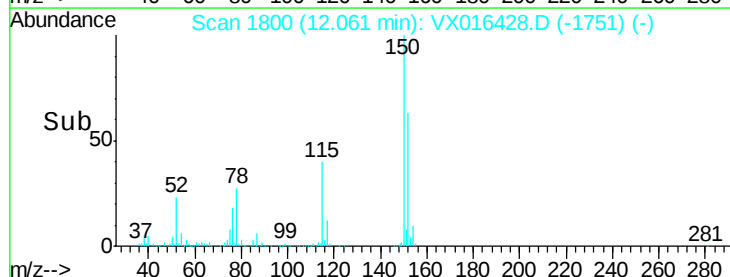
150 159.1 0.0 345.8

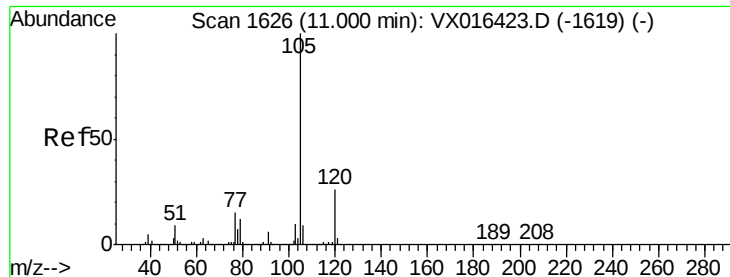


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.344 ug/l

RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

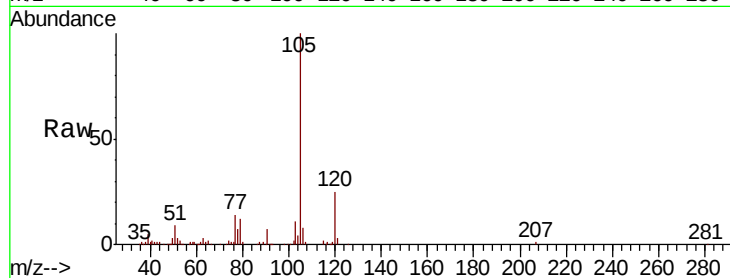
VSTDIC005

Tot Ion: 105 Resp: 34397

Ion Ratio Lower Upper

105 100

120 26.8 13.7 41.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

30000

25000

20000

15000

10000

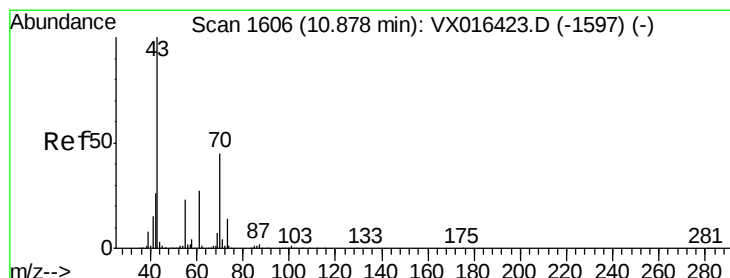
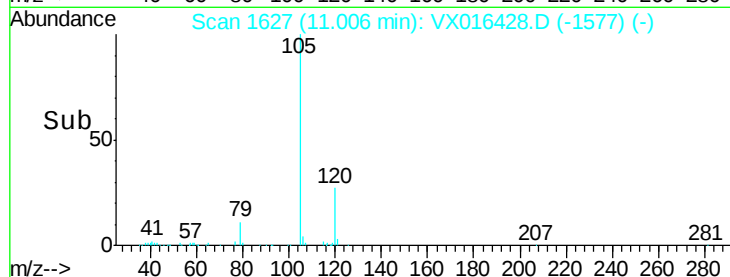
5000

0

11.01

10.95 11.00 11.05 11.10

Time-->



#74

N-ethyl acetate

Concen: 5.497 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

Tgt Ion: 43 Resp: 15052

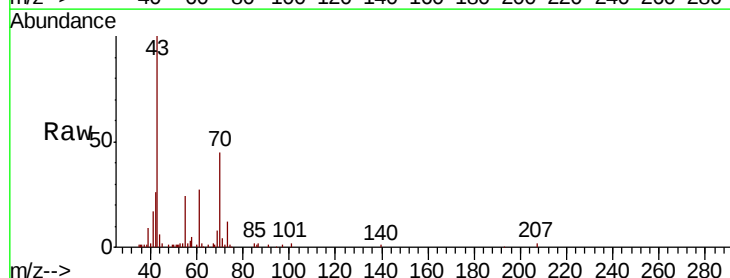
Ion Ratio Lower Upper

43 100

70 43.5 38.0 57.0

55 26.3 20.0 30.0

61 26.6 21.4 32.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

15000

10000

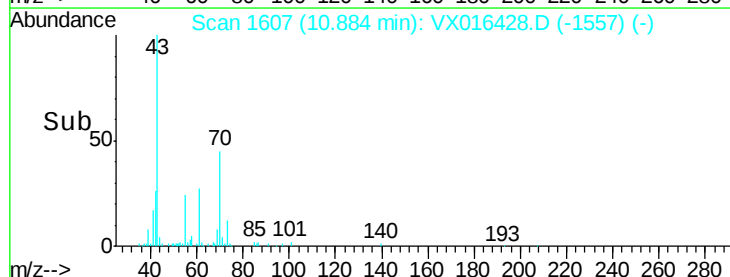
5000

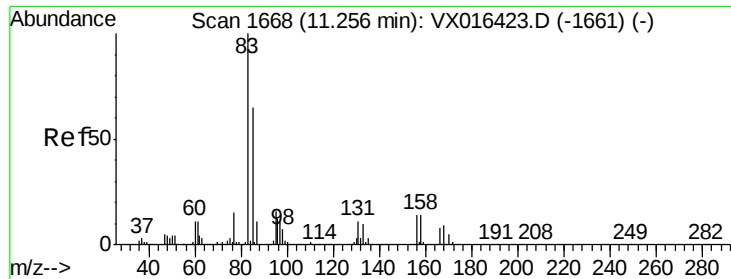
0

10.88

10.80 10.85 10.90 10.95

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 5.213 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. -0.00 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

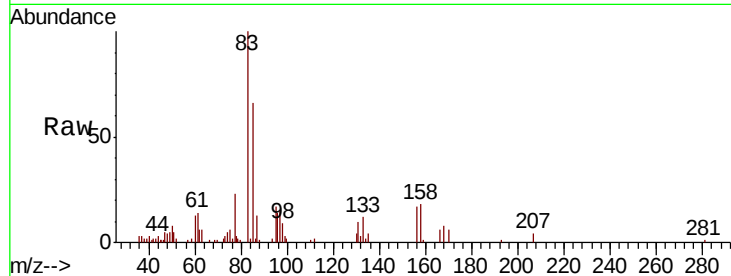
Tot Ion: 83 Resp: 8477

Ion Ratio Lower Upper

83 100

131 10.0 5.4 16.2

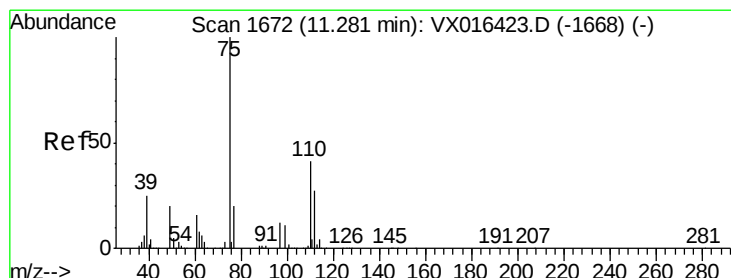
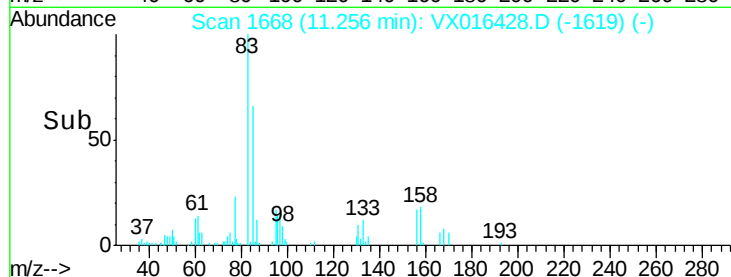
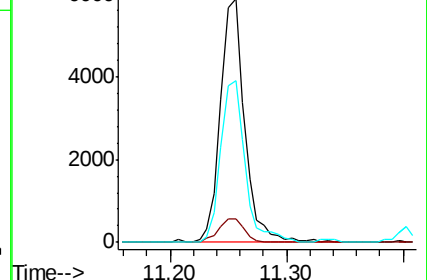
85 66.7 32.6 97.7



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 7.567 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX016428.D

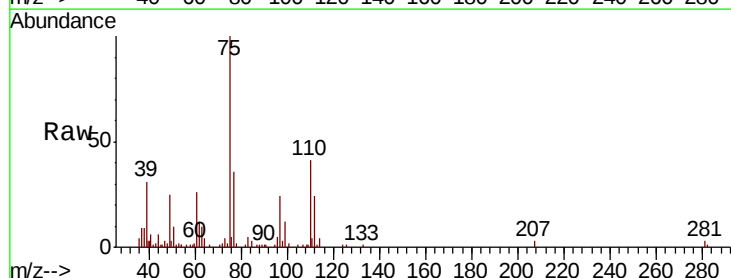
Acq: 26 May 2020 15:54

Tgt Ion: 75 Resp: 14974

Ion Ratio Lower Upper

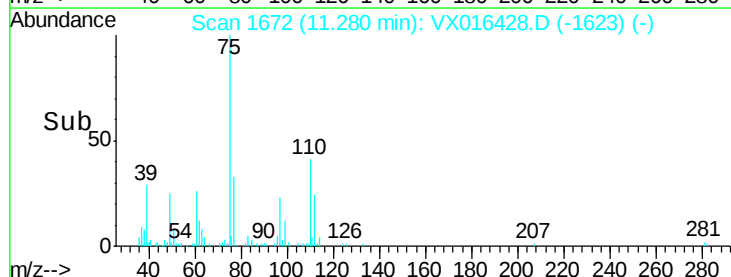
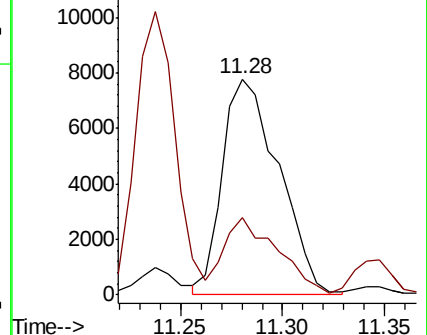
75 100

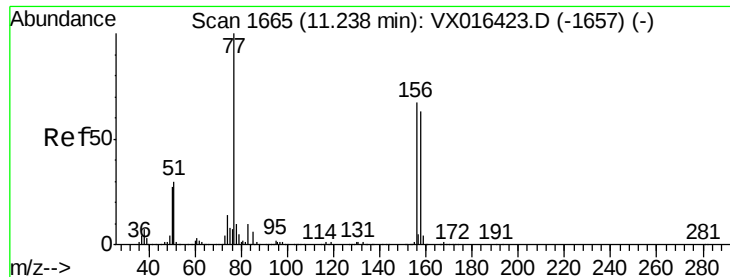
77 33.6 21.4 64.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 5.078 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

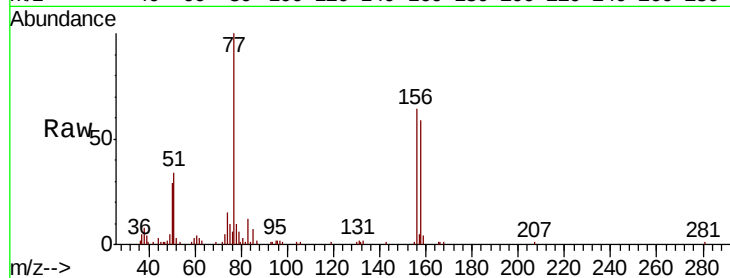
Tot Ion:156 Resp: 8463

Ion Ratio Lower Upper

156 100

77 163.2 74.6 223.8

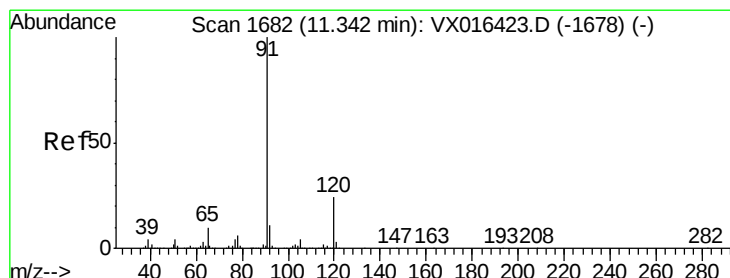
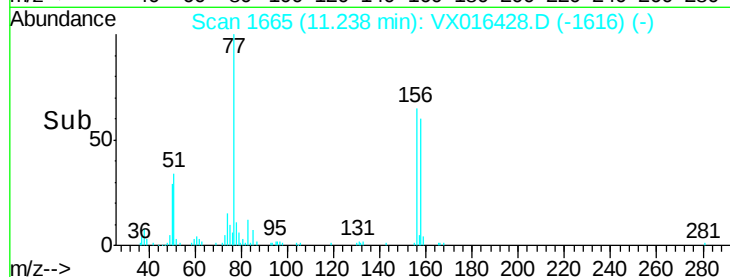
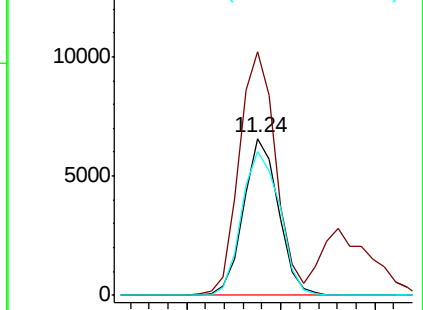
158 99.5 48.7 146.1



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.473 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX016428.D

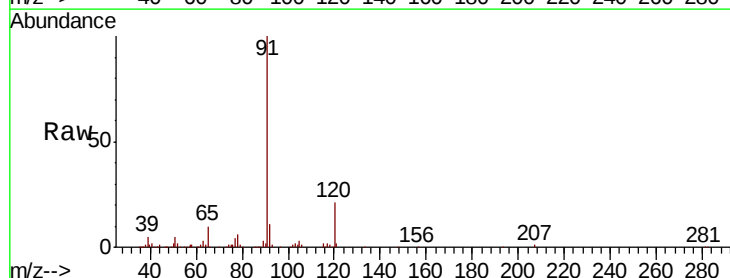
Acq: 26 May 2020 15:54

Tgt Ion: 91 Resp: 39830

Ion Ratio Lower Upper

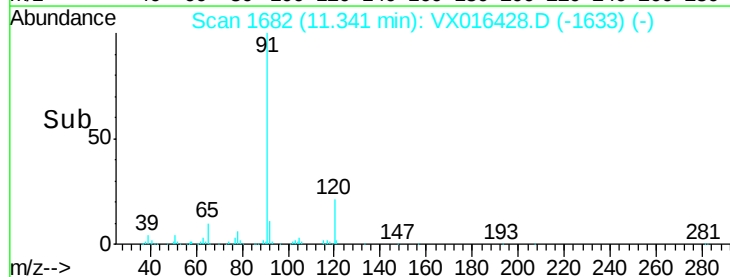
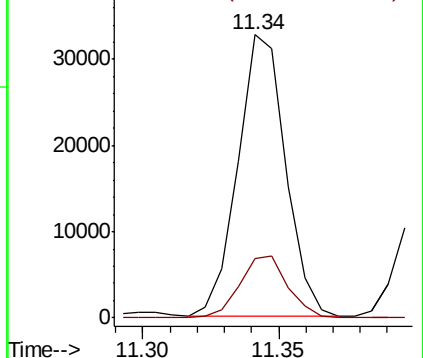
91 100

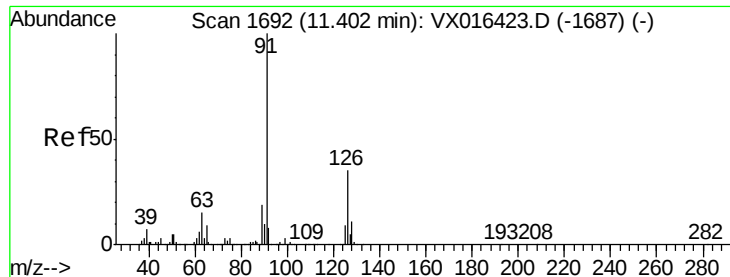
120 22.2 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

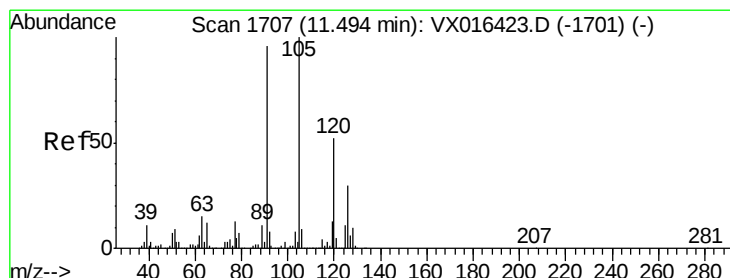
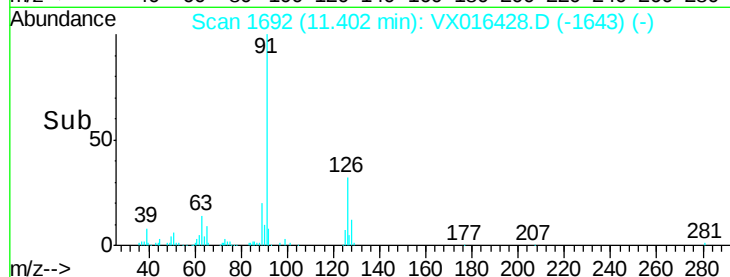
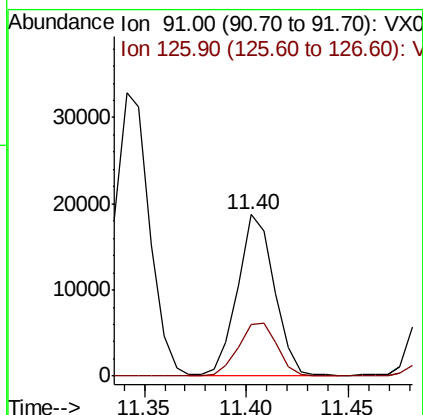
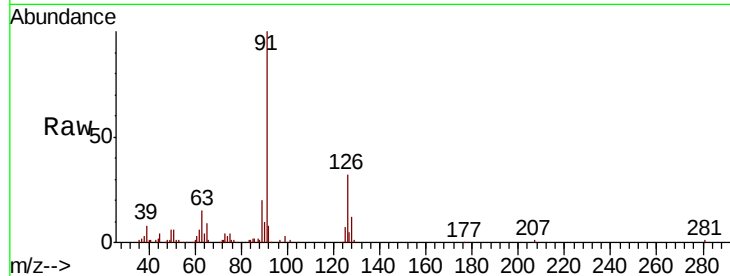




#79
 2-Chlorotoluene
 Concen: 5.406 ug/l
 RT: 11.40 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VX016428.D
 Acq: 26 May 2020 15:54

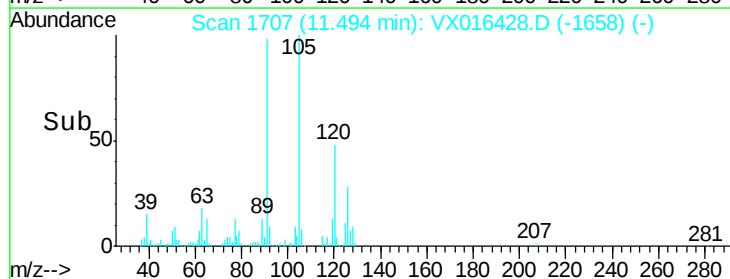
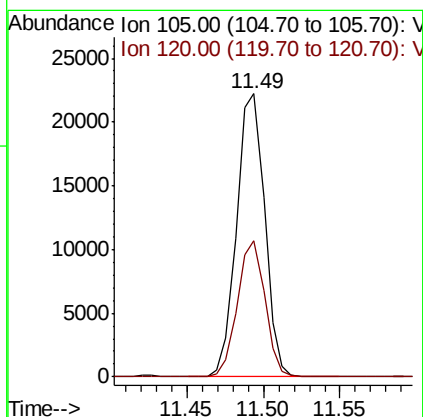
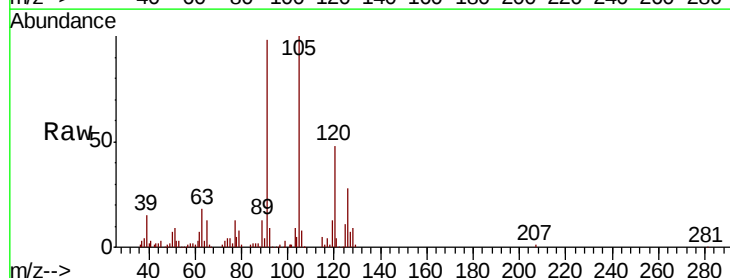
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

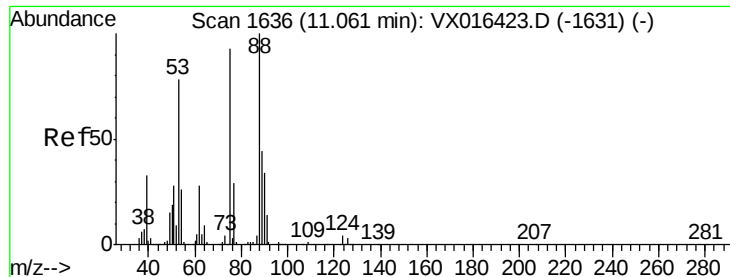
Tot Ion: 91 Resp: 23405
 Ion Ratio Lower Upper
 91 100
 126 35.2 17.7 53.1



#80
 1,3,5-Trimethylbenzene
 Concen: 5.269 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX016428.D
 Acq: 26 May 2020 15:54

Tgt Ion: 105 Resp: 28356
 Ion Ratio Lower Upper
 105 100
 120 47.1 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 5.336 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

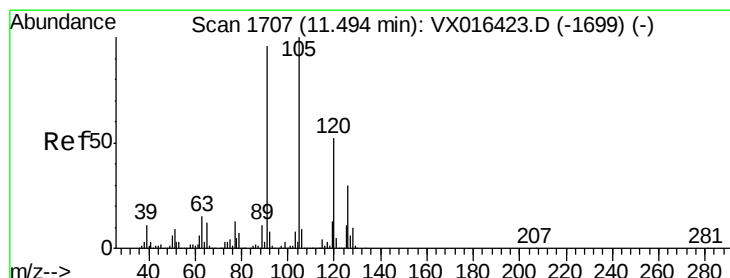
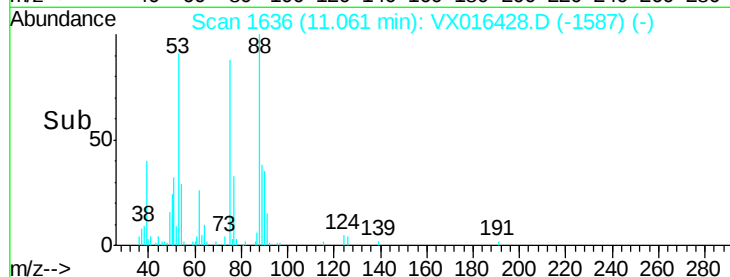
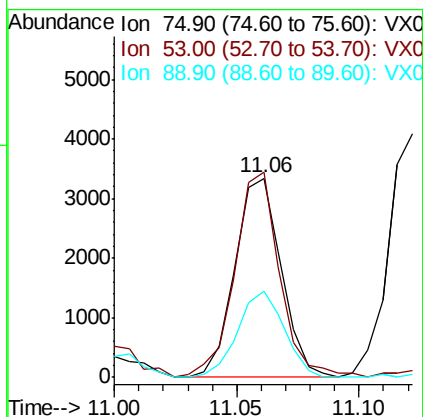
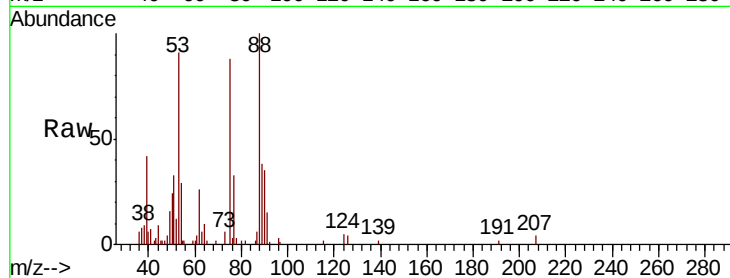
Tot Ion: 75 Resp: 4391

Ion Ratio Lower Upper

75 100

53 100.4 69.4 104.2

89 43.4 37.0 55.6



#82

4-Chlorotoluene

Concen: 5.423 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX016428.D

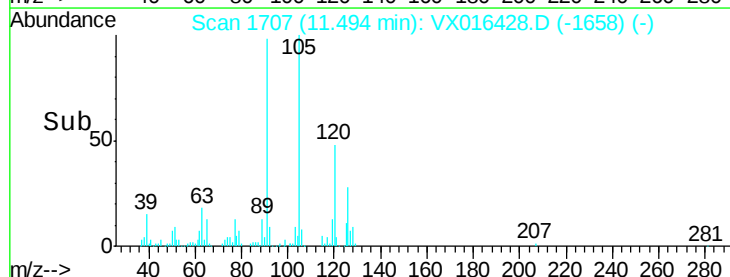
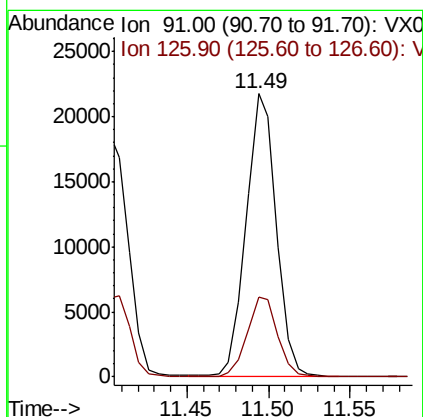
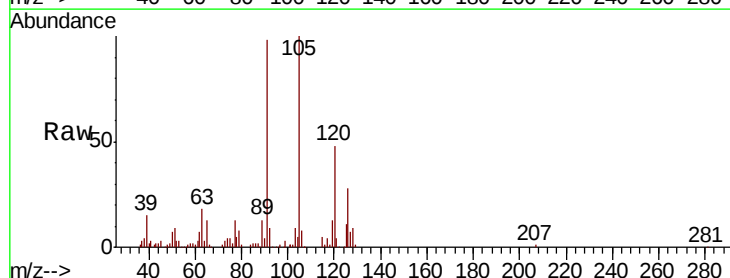
Acq: 26 May 2020 15:54

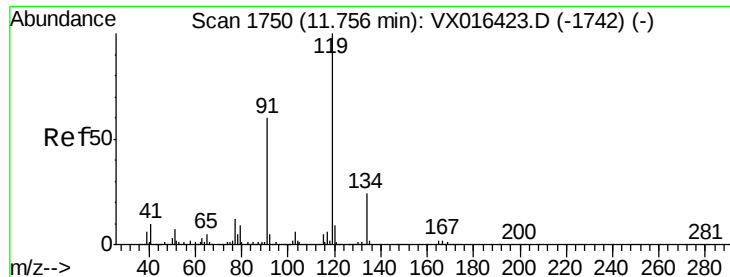
Tgt Ion: 91 Resp: 28239

Ion Ratio Lower Upper

91 100

126 28.5 15.7 47.0





#83

tert-Butylbenzene

Concen: 5.138 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

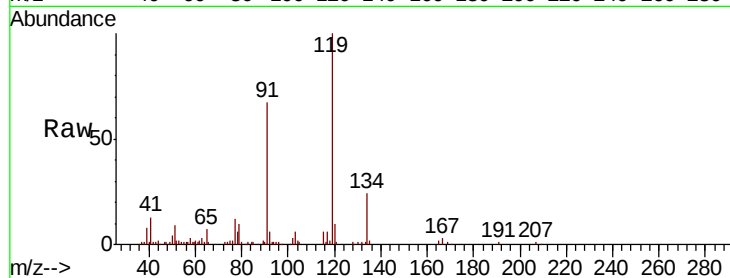
Tot Ion:119 Resp: 23643

Ion Ratio Lower Upper

119 100

91 67.2 30.8 92.3

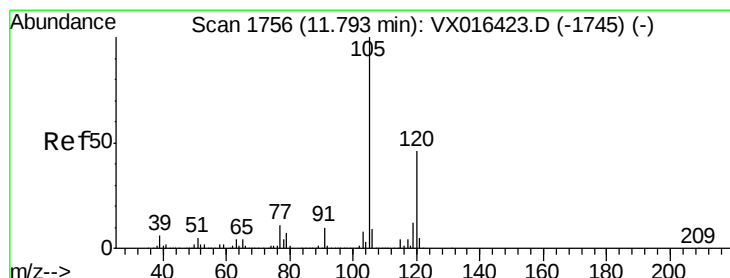
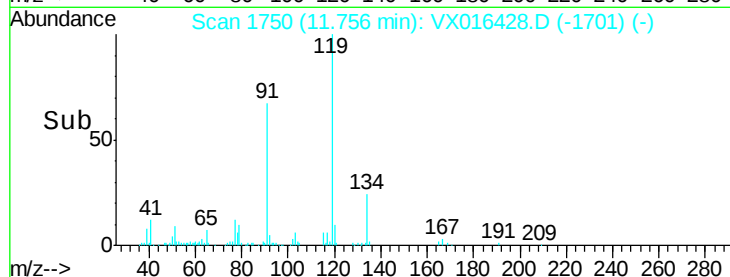
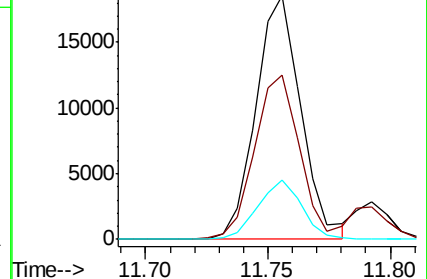
134 23.7 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 5.323 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX016428.D

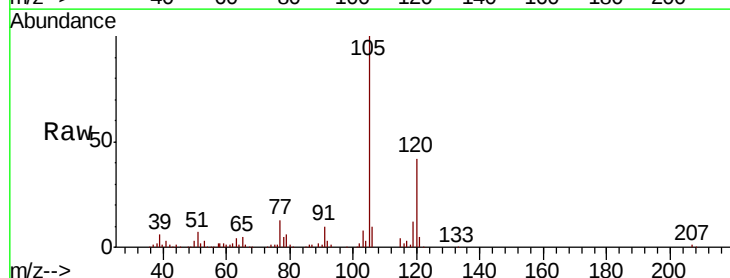
Acq: 26 May 2020 15:54

Tgt Ion:105 Resp: 28868

Ion Ratio Lower Upper

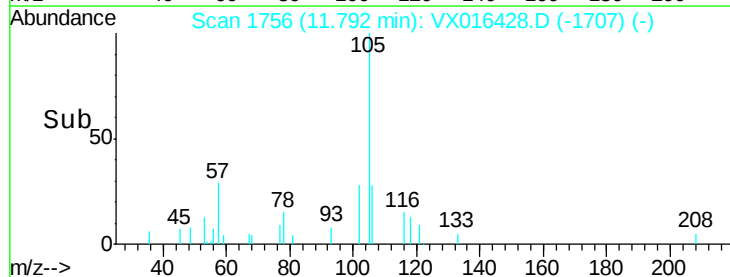
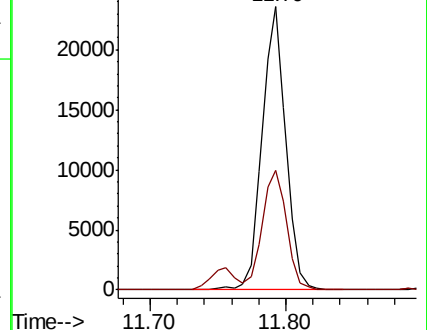
105 100

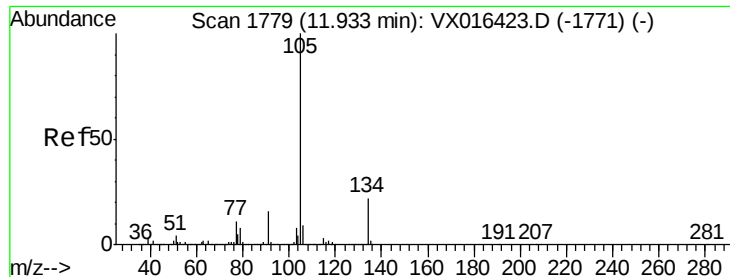
120 43.6 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 5.243 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

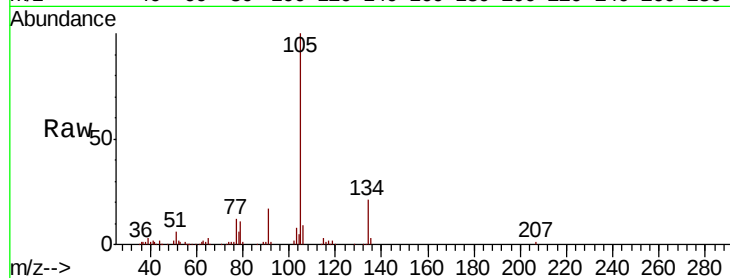
VSTDIC005

Tot Ion:105 Resp: 30566

Ion Ratio Lower Upper

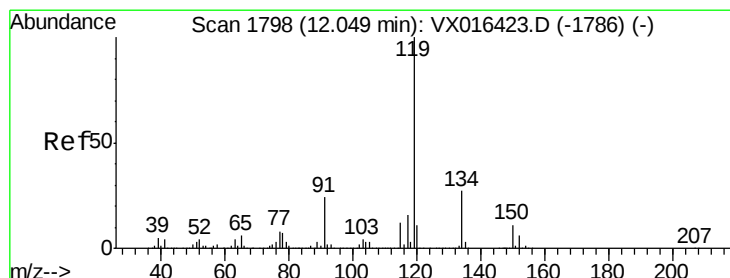
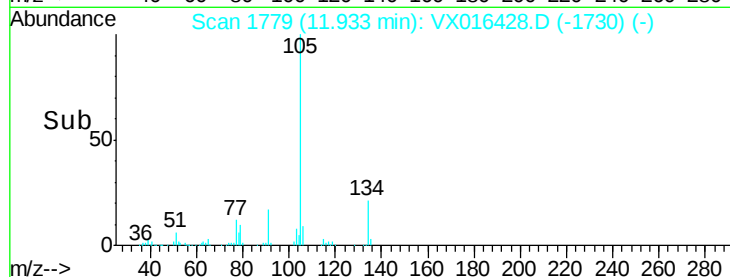
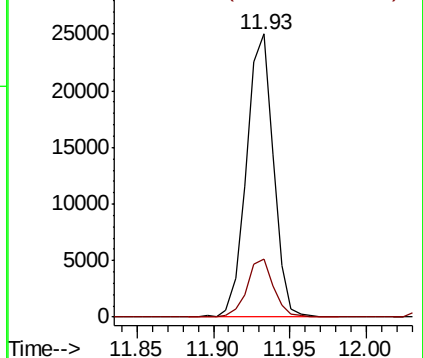
105 100

134 20.3 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.183 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

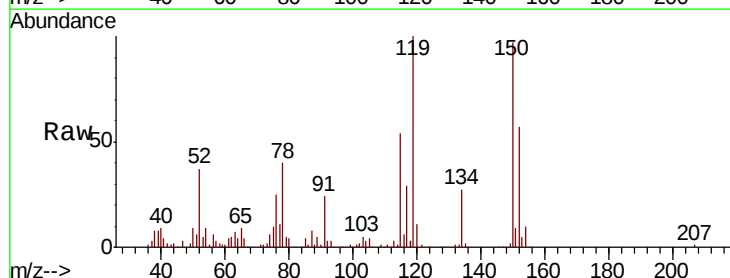
Tgt Ion:119 Resp: 28227

Ion Ratio Lower Upper

119 100

134 27.6 13.8 41.3

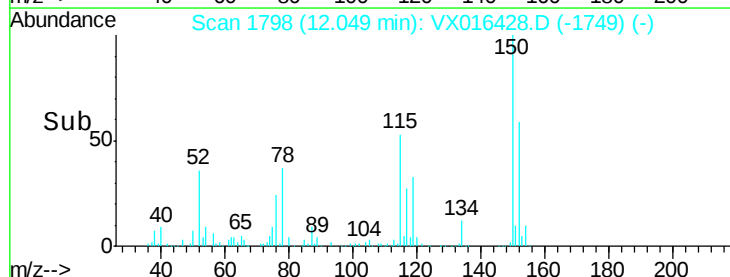
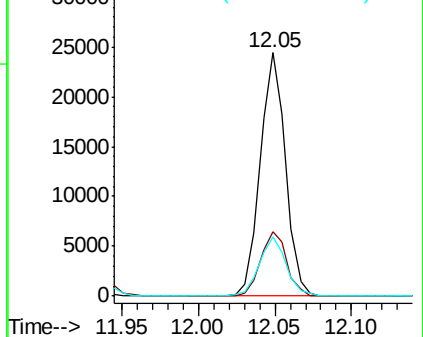
91 26.3 11.9 35.5

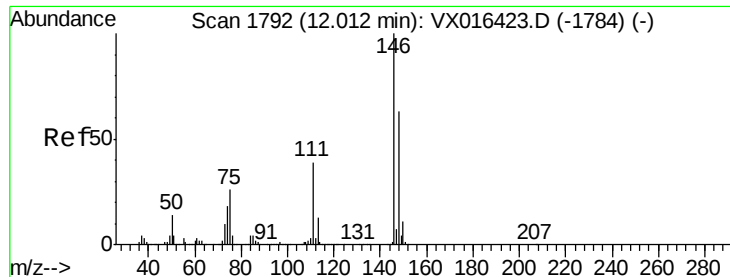


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 5.193 ug/l

RT: 12.01 min Scan# 1792

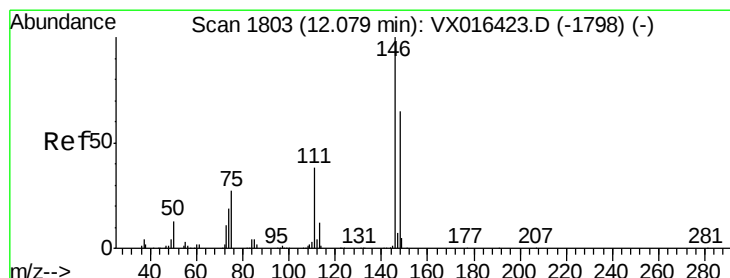
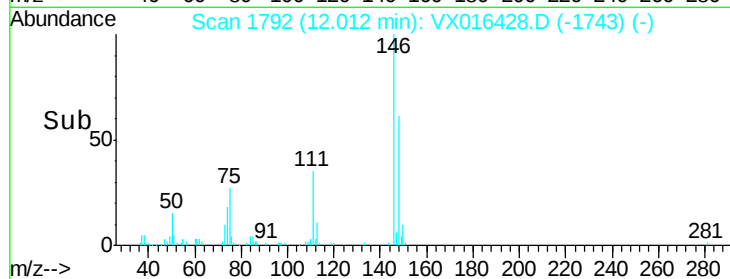
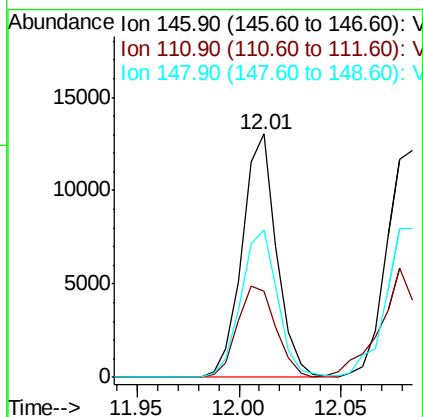
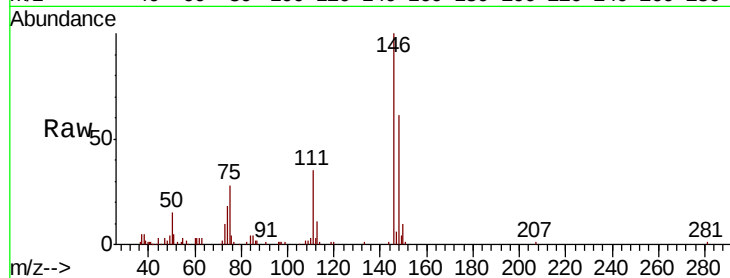
Delta R.T. -0.00 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.1	60.2
148	64.3	31.4	94.2



#88

1,4-Dichlorobenzene

Concen: 5.242 ug/l

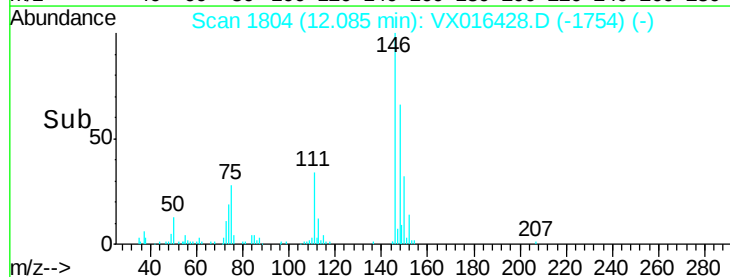
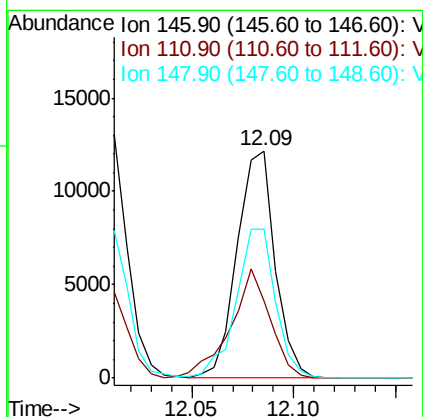
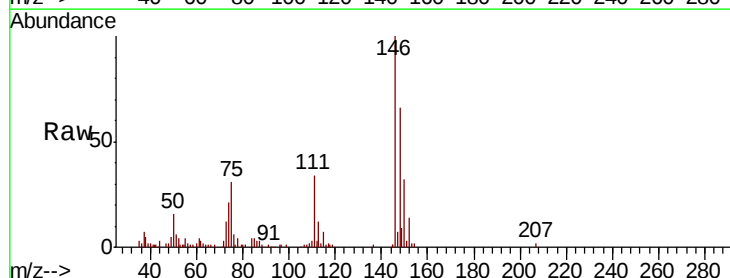
RT: 12.09 min Scan# 1804

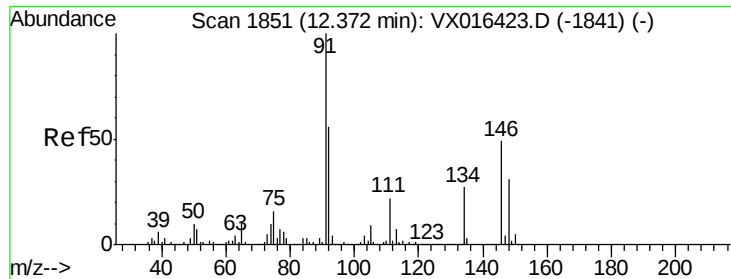
Delta R.T. 0.01 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	50.2	19.2	57.6
148	68.3	33.1	99.2

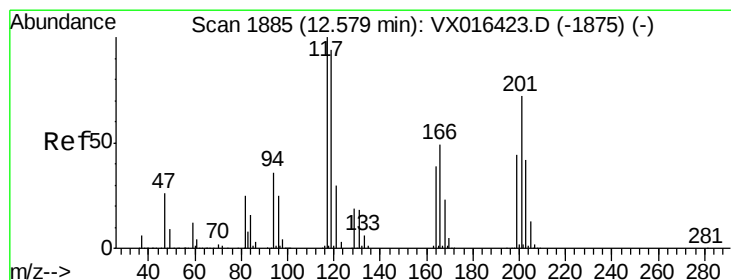
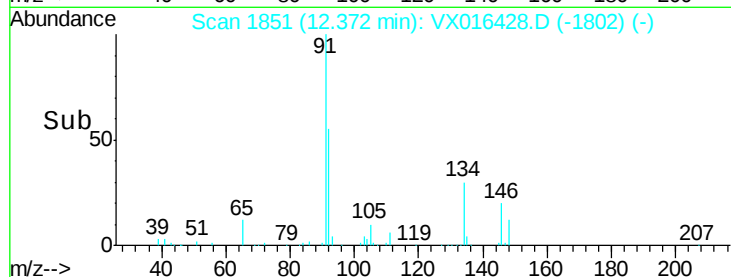
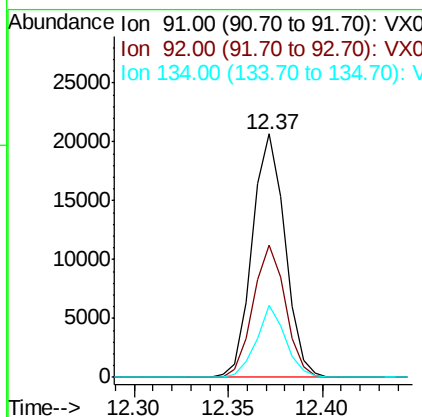
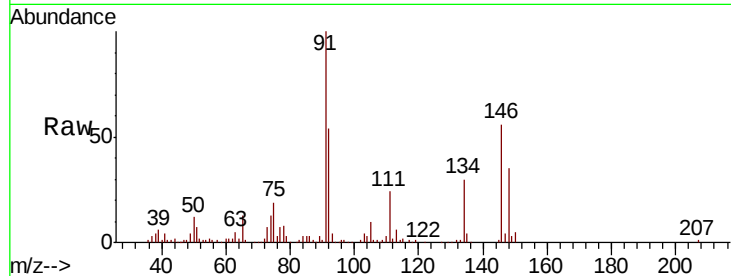




#89
n-Butylbenzene
Concen: 5.270 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX016428.D
Acq: 26 May 2020 15:54

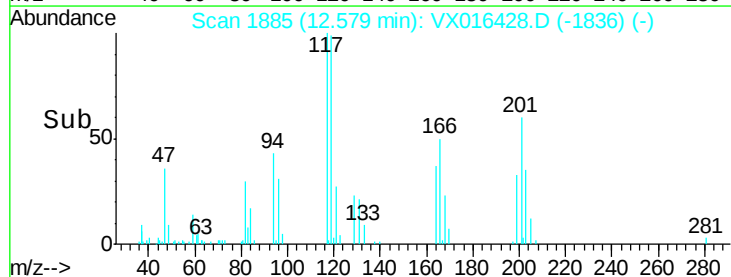
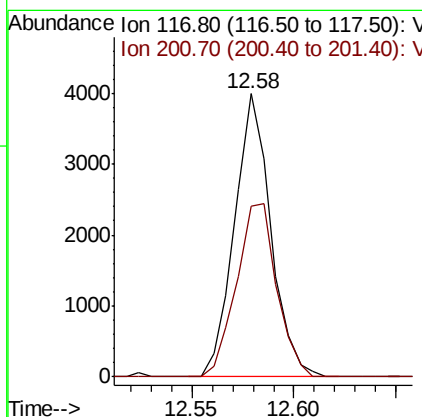
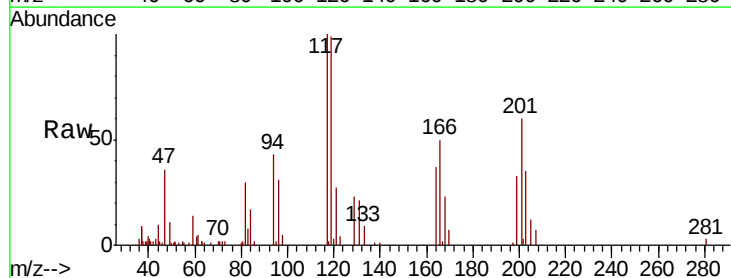
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

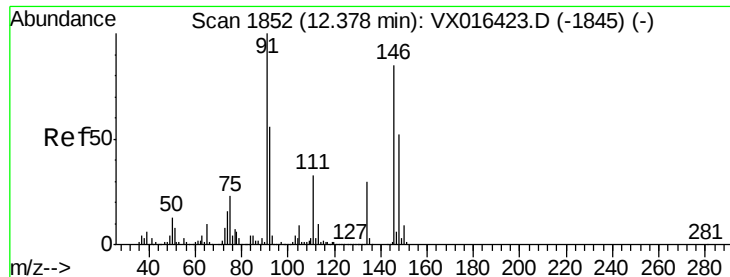
Tot Ion: 91 Resp: 24901
Ion Ratio Lower Upper
91 100
92 53.5 27.6 82.8
134 26.3 13.7 41.1



#90
Hexachloroethane
Concen: 4.976 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX016428.D
Acq: 26 May 2020 15:54

Tgt Ion: 117 Resp: 4912
Ion Ratio Lower Upper
117 100
201 68.3 37.6 112.9

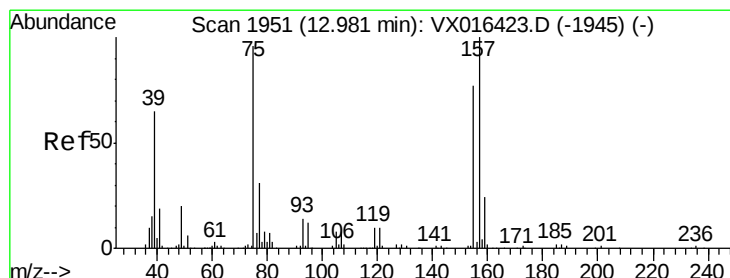
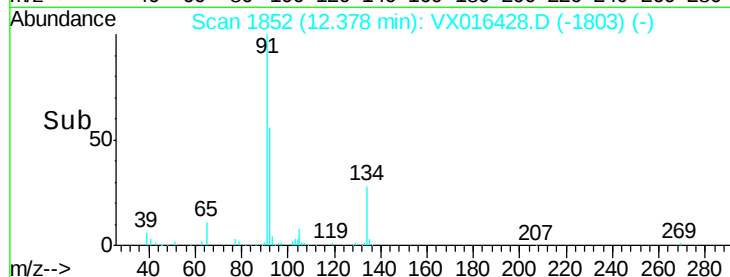
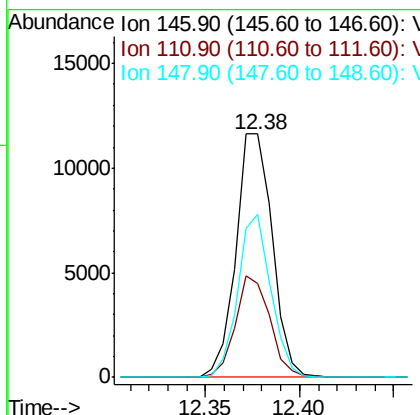
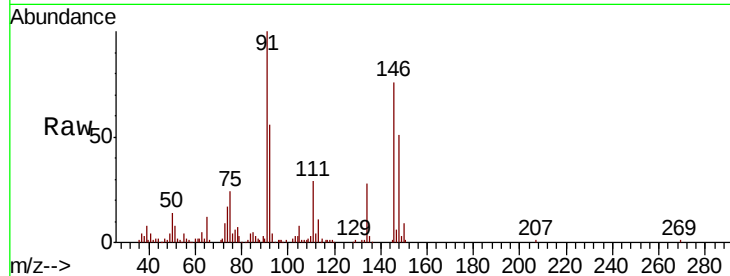




#91
 1,2-Dichlorobenzene
 Concen: 5.338 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX016428.D
 Acq: 26 May 2020 15:54

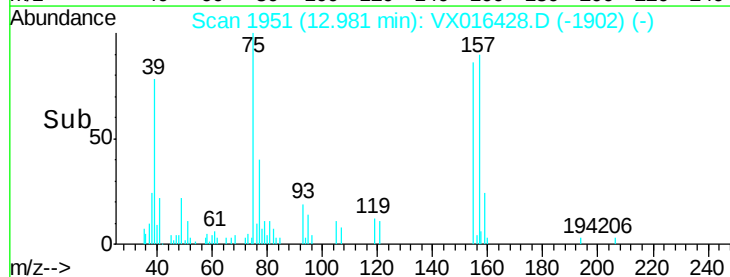
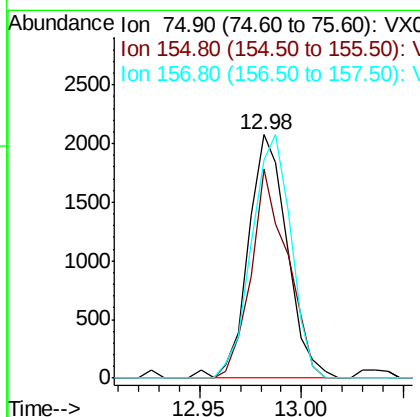
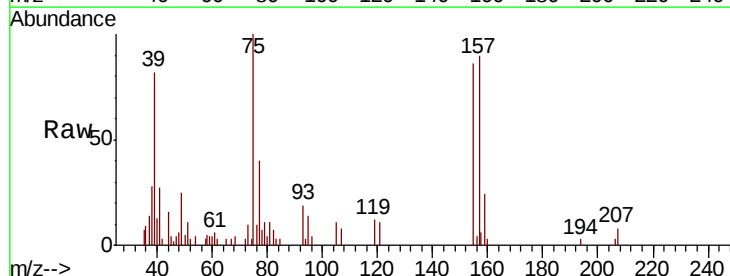
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

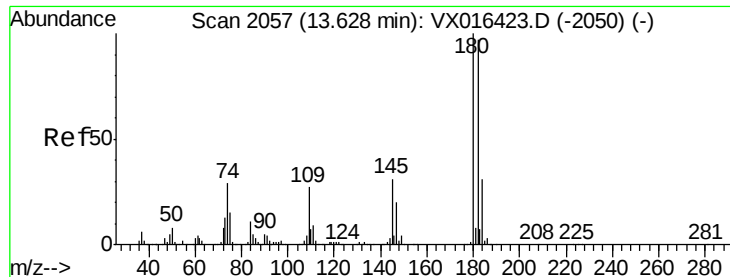
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.4	61.3
148	61.0	31.6	94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.456 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX016428.D
 Acq: 26 May 2020 15:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.6	44.8	134.4
157	100.9	57.8	173.4

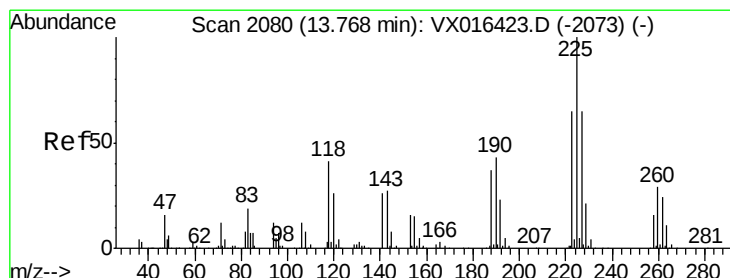
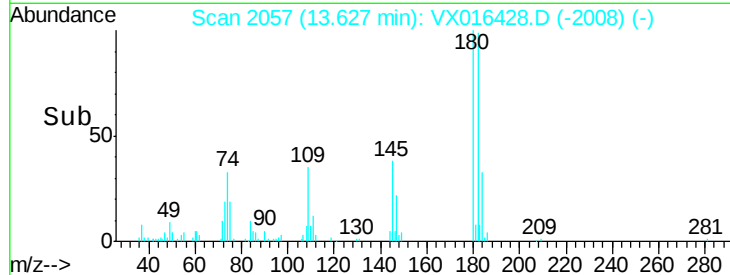
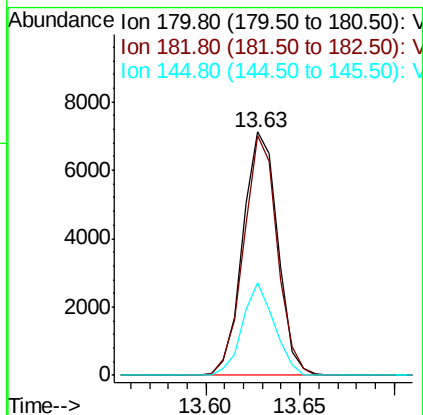
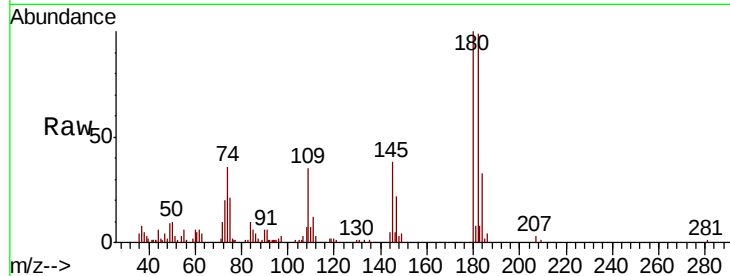




#93
 1,2,4-Trichlorobenzene
 Concen: 5.026 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX016428.D
 Acq: 26 May 2020 15:54

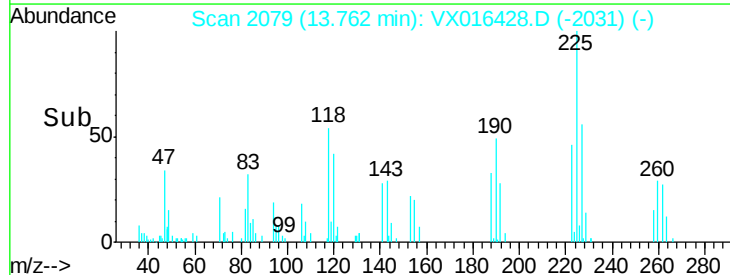
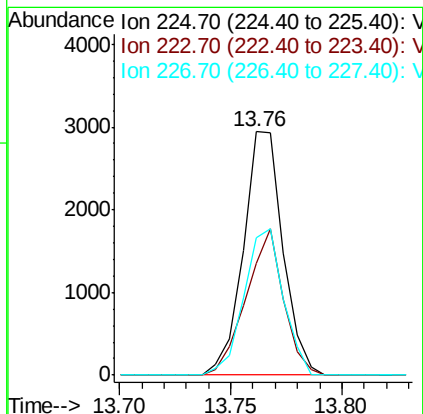
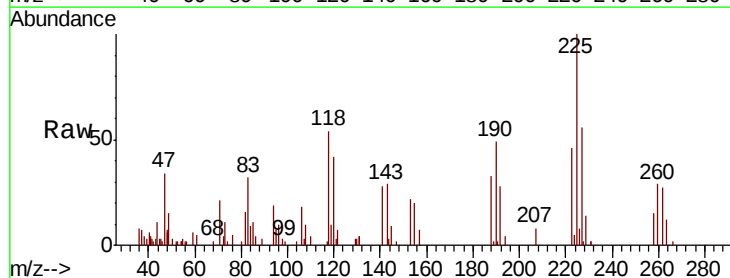
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

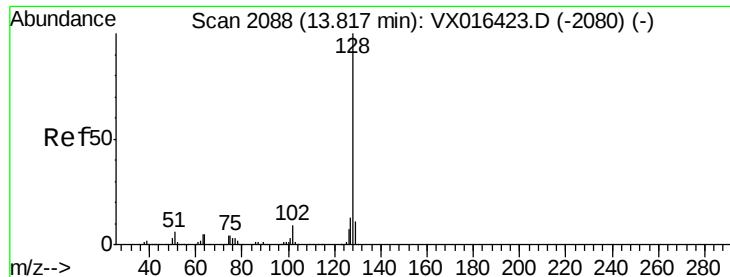
Tot Ion:180 Resp: 9121
 Ion Ratio Lower Upper
 180 100
 182 94.8 48.6 145.8
 145 34.8 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 5.593 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VX016428.D
 Acq: 26 May 2020 15:54

Tgt Ion:225 Resp: 3660
 Ion Ratio Lower Upper
 225 100
 223 56.4 32.6 98.0
 227 59.5 32.5 97.4





#95

Naphthalene

Concen: 4.786 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

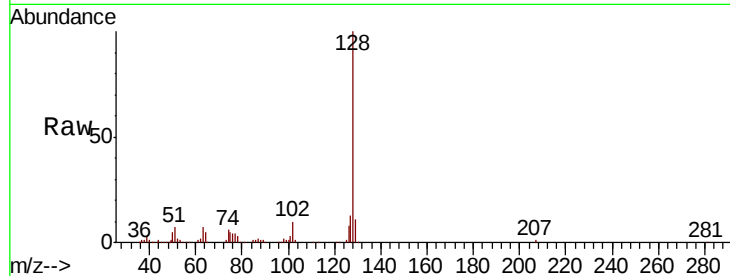
Tot Ion:128 Resp: 31126

Ion Ratio Lower Upper

128 100

127 14.7 10.5 15.7

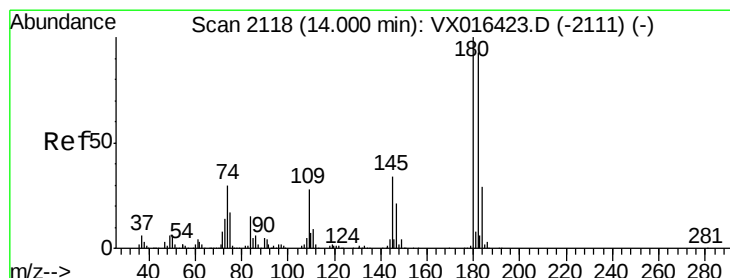
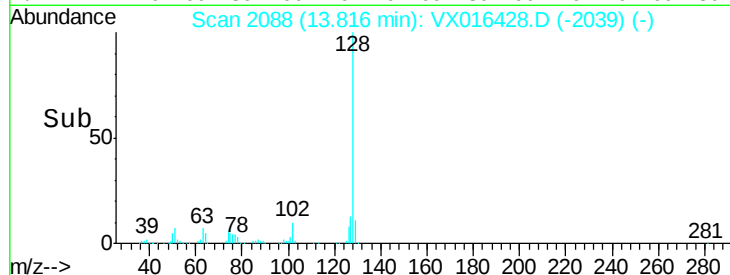
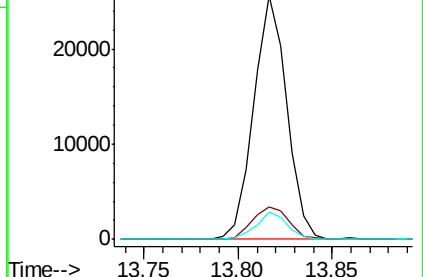
129 10.7 8.9 13.3



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: 5.065 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VX016428.D

Acq: 26 May 2020 15:54

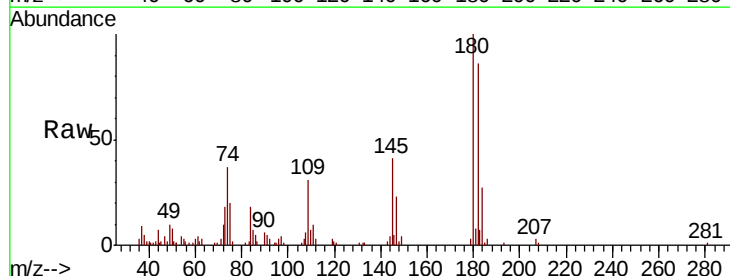
Tgt Ion:180 Resp: 8884

Ion Ratio Lower Upper

180 100

182 90.6 48.2 144.6

145 37.8 16.3 48.9



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

