

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050420\
 Data File : VX016030.D
 Acq On : 04 May 2020 12:02
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Quant Time: May 04 13:26:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 13:19:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	326209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	518516	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	470034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	227765	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	23063	4.64	ug/l	0.00
Spiked Amount			Recovery	=	9.28%	
35) Dibromofluoromethane	5.47	113	17352	4.73	ug/l	0.00
Spiked Amount			Recovery	=	9.46%	
50) Toluene-d8	8.70	98	65070	4.76	ug/l	0.00
Spiked Amount			Recovery	=	9.52%	
62) 4-Bromofluorobenzene	11.12	95	23444	4.78	ug/l	0.00
Spiked Amount			Recovery	=	9.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	17756	5.166	ug/l	98
3) Chloromethane	1.32	50	21169	5.149	ug/l	100
4) Vinyl Chloride	1.39	62	22321	5.155	ug/l	97
5) Bromomethane	1.62	94	11959	4.554	ug/l	100
6) Chloroethane	1.70	64	14517	5.349	ug/l	96
7) Trichlorofluoromethane	1.91	101	30508	5.388	ug/l	98
8) Diethyl Ether	2.17	74	12385	5.166	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.36	101	17305	5.311	ug/l	98
10) Methyl Iodide	2.49	142	21009	5.045	ug/l	99
11) Tert butyl alcohol	3.02	59	28543	26.856	ug/l	98
12) 1,1-Dichloroethene	2.36	96	17718	5.190	ug/l	93
13) Acrolein	2.27	56	18122	27.818	ug/l	97
14) Allyl chloride	2.70	41	32724	5.248	ug/l	99
15) Acrylonitrile	3.12	53	58121	25.897	ug/l	99
16) Acetone	2.42	43	49782	25.872	ug/l	100
17) Carbon Disulfide	2.55	76	58408	4.786	ug/l	97
18) Methyl Acetate	2.75	43	24950	5.263	ug/l	98
19) Methyl tert-butyl Ether	3.17	73	62644	5.381	ug/l	97
20) Methylene Chloride	2.84	84	20811	5.123	ug/l	96
21) trans-1,2-Dichloroethene	3.14	96	19629	5.116	ug/l	95
22) Diisopropyl ether	3.82	45	61719	5.243	ug/l	96
23) Vinyl Acetate	3.78	43	269566	26.455	ug/l	99
24) 1,1-Dichloroethane	3.67	63	34644	5.277	ug/l	100
25) 2-Butanone	4.64	43	80284	26.409	ug/l	98
26) 2,2-Dichloropropane	4.55	77	32155	5.293	ug/l	97
27) cis-1,2-Dichloroethene	4.57	96	21422	5.187	ug/l	98
28) Bromochloromethane	4.98	49	16139	5.426	ug/l	99
29) Tetrahydrofuran	5.09	42	52228	25.799	ug/l	98
30) Chloroform	5.18	83	34829	5.324	ug/l	99
31) Cyclohexane	5.54	56	32132	5.246	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	31272	5.265	ug/l	99
36) 1,1-Dichloropropene	5.77	75	26455	5.111	ug/l	97
37) Ethyl Acetate	4.80	43	31071	5.272	ug/l	98
38) Carbon Tetrachloride	5.75	117	27477	5.283	ug/l	95

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 Data File : VX016030.D
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 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Quant Time: May 04 13:26:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 13:19:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	32238	5.223	ug/l	98
40) Benzene	6.12	78	79130	5.224	ug/l	98
41) Methacrylonitrile	5.01	41	16575	5.207	ug/l	98
42) 1,2-Dichloroethane	6.17	62	28583	5.224	ug/l	100
43) Isopropyl Acetate	6.41	43	48956	5.220	ug/l	99
44) Trichloroethene	7.19	130	29984	5.353	ug/l	100
45) 1,2-Dichloropropane	7.49	63	20149	5.297	ug/l	99
46) Dibromomethane	7.64	93	13263	5.128	ug/l	99
47) Bromodichloromethane	7.88	83	27219	5.241	ug/l	100
48) Methyl methacrylate	7.74	41	22324	5.059	ug/l	98
49) 1,4-Dioxane	7.71	88	10966	102.737	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	148387	25.987	ug/l	99
52) Toluene	8.77	92	48054	5.149	ug/l	96
53) t-1,3-Dichloropropene	9.02	75	31775	5.114	ug/l	99
54) cis-1,3-Dichloropropene	8.41	75	34079	5.220	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	19124	5.244	ug/l	97
56) Ethyl methacrylate	9.16	69	29562	5.124	ug/l	99
57) 1,3-Dichloropropane	9.35	76	33474	5.208	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.29	63	78704	25.041	ug/l	99
59) 2-Hexanone	9.48	43	116018	25.927	ug/l	99
60) Dibromochloromethane	9.57	129	20394	5.190	ug/l	99
61) 1,2-Dibromoethane	9.65	107	20701	5.249	ug/l	99
64) Tetrachloroethene	9.32	164	31450	5.269	ug/l	97
65) Chlorobenzene	10.12	112	52029	5.220	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	19031	5.248	ug/l	98
67) Ethyl Benzene	10.24	91	92488	5.217	ug/l	98
68) m/p-Xylenes	10.34	106	67990	10.325	ug/l	98
69) o-Xylene	10.68	106	33287	5.282	ug/l	98
70) Styrene	10.70	104	53849	5.133	ug/l	99
71) Bromoform	10.84	173	14412	5.108	ug/l #	97
73) Isopropylbenzene	11.00	105	90050	5.323	ug/l	98
74) N-amyl acetate	10.88	43	40242	5.201	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	11772	4.768	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	36951	5.553	ug/l	82
77) Bromobenzene	11.24	156	22353	5.113	ug/l	98
78) n-propylbenzene	11.34	91	102485	5.222	ug/l	99
79) 2-Chlorotoluene	11.40	91	61627	5.309	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	72842	5.171	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	11154	5.239	ug/l	94
82) 4-Chlorotoluene	11.49	91	71188	5.224	ug/l	99
83) tert-Butylbenzene	11.76	119	63618	5.244	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	73896	5.178	ug/l	100
85) sec-Butylbenzene	11.93	105	84957	5.163	ug/l	100
86) p-Isopropyltoluene	12.05	119	78185	5.137	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	41670	5.304	ug/l	97
88) 1,4-Dichlorobenzene	12.09	146	40530	5.153	ug/l	92
89) n-Butylbenzene	12.37	91	68073	4.915	ug/l	100
90) Hexachloroethane	12.58	117	13225	5.228	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	39253	5.208	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	6646	4.883	ug/l	98

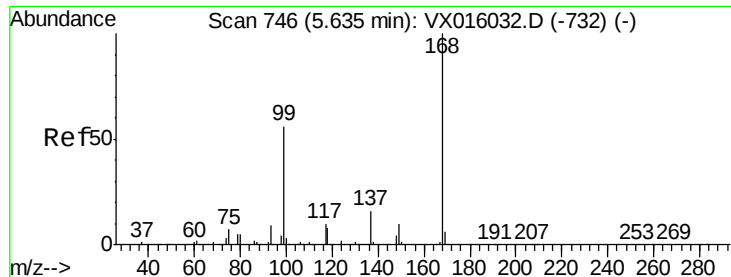
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050420\
Data File : VX016030.D
Acq On : 04 May 2020 12:02
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: May 04 13:26:30 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
Quant Title : SW846 8260
QLast Update : Mon May 04 13:19:56 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	27756	4.994	ug/l	97
94) Hexachlorobutadiene	13.77	225	12404	4.752	ug/l	99
95) Naphthalene	13.82	128	89601	5.007	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	27150	4.992	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

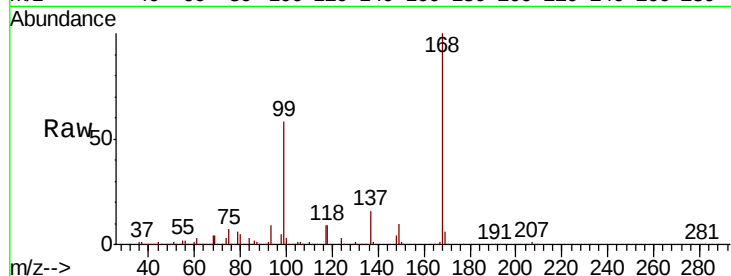
VSTDIC005

Tot Ion:168 Resp: 326209

Ion Ratio Lower Upper

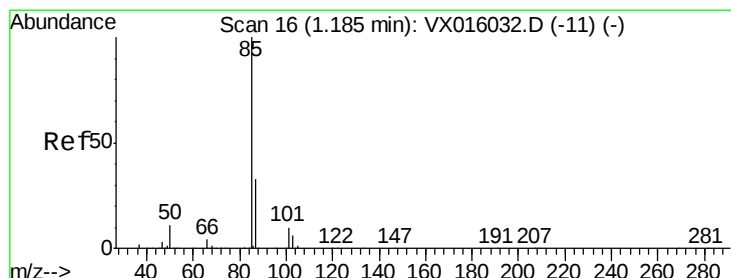
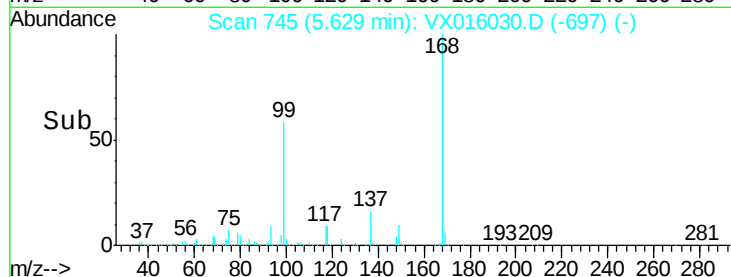
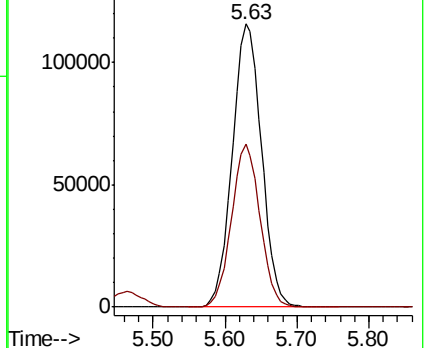
168 100

99 57.6 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 5.166 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX016030.D

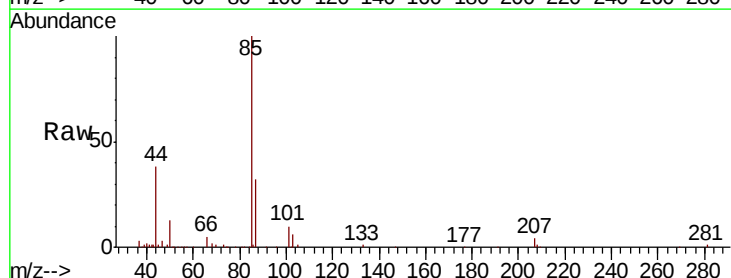
Acq: 04 May 2020 12:02

Tgt Ion: 85 Resp: 17756

Ion Ratio Lower Upper

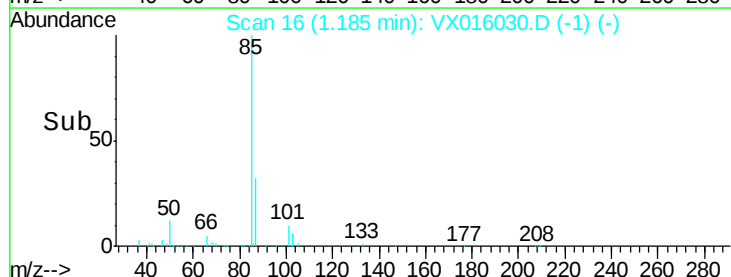
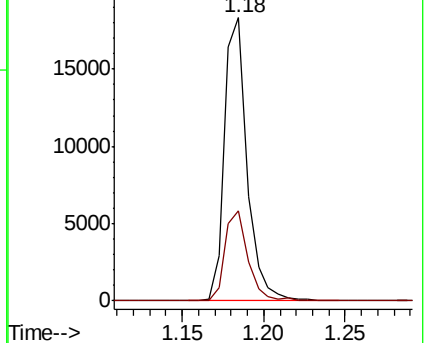
85 100

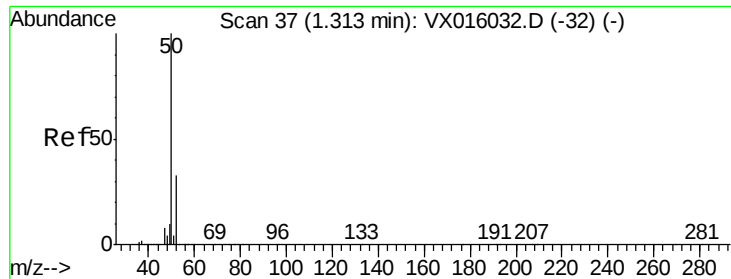
87 31.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 5.149 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

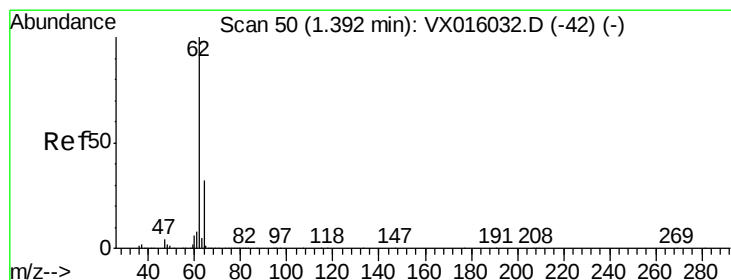
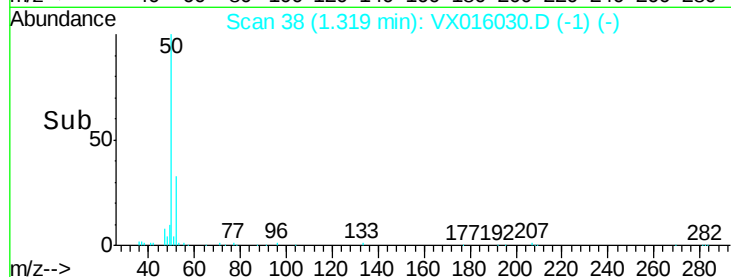
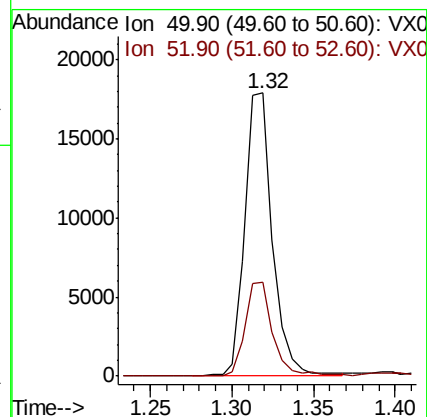
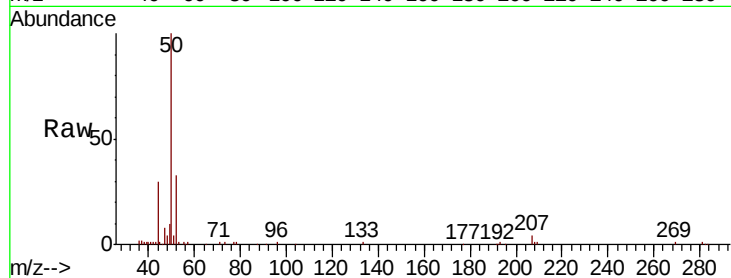
VSTDIC005

Tot Ion: 50 Resp: 21169

Ion Ratio Lower Upper

50 100

52 32.8 26.1 39.1



#4

Vinyl Chloride

Concen: 5.155 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016030.D

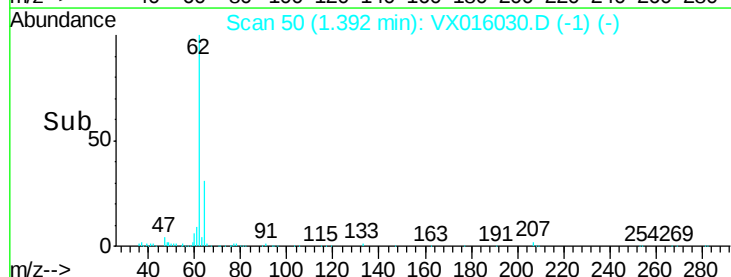
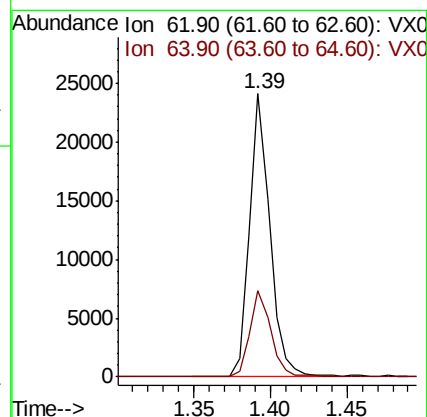
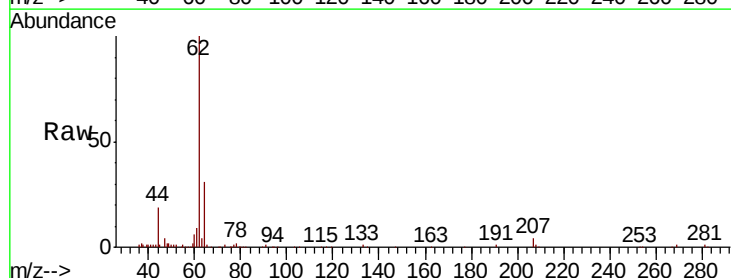
Acq: 04 May 2020 12:02

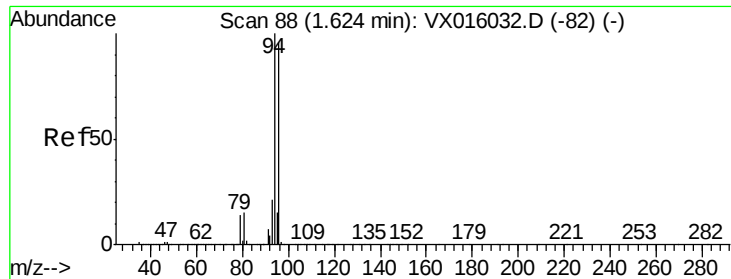
Tgt Ion: 62 Resp: 22321

Ion Ratio Lower Upper

62 100

64 30.7 25.7 38.5





#5

Bromomethane

Concen: 4.554 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.00 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

Instrument :

MSVOA_X

ClientSampled :

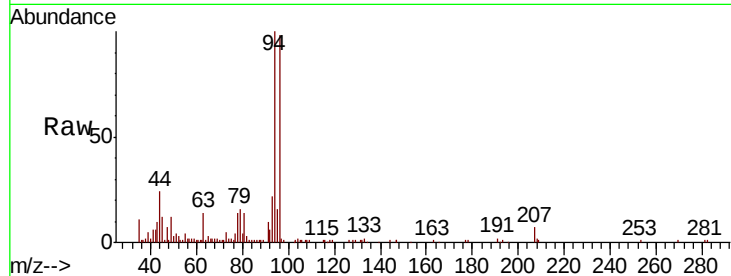
VSTDIC005

Tot Ion: 94 Resp: 11959

Ion Ratio Lower Upper

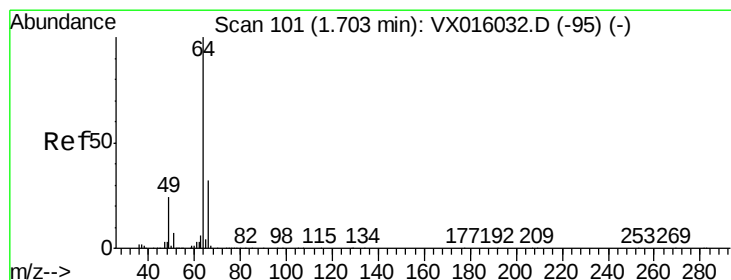
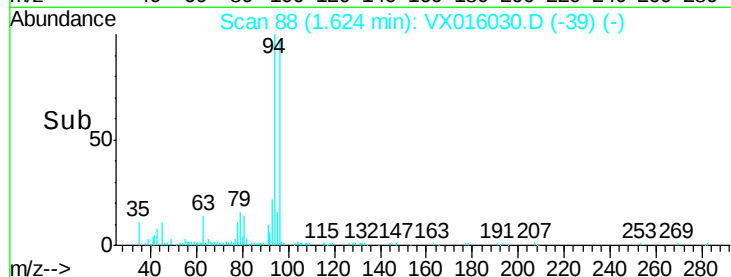
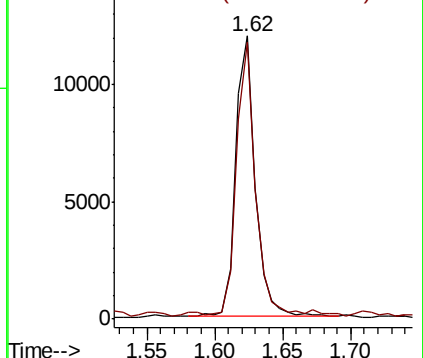
94 100

96 96.4 76.9 115.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 5.349 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.00 min

Lab File: VX016030.D

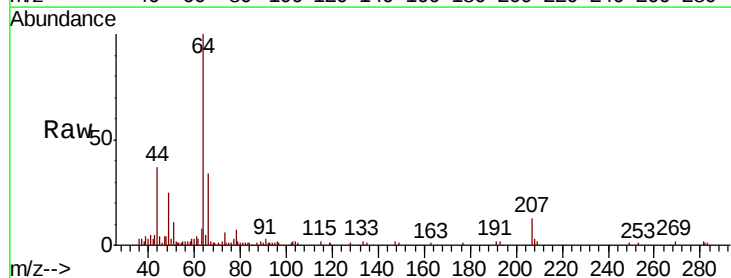
Acq: 04 May 2020 12:02

Tgt Ion: 64 Resp: 14517

Ion Ratio Lower Upper

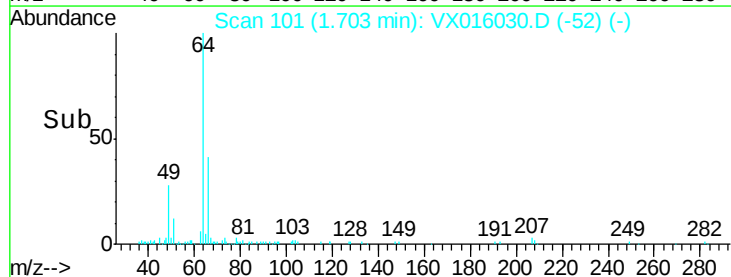
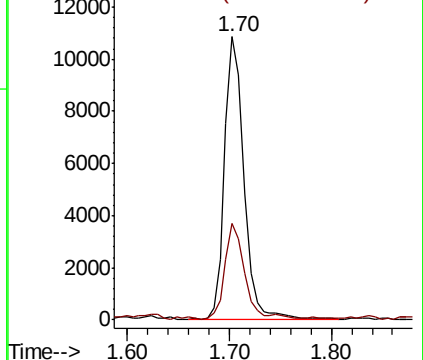
64 100

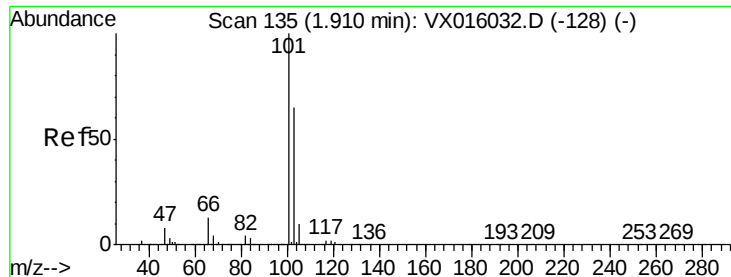
66 33.6 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



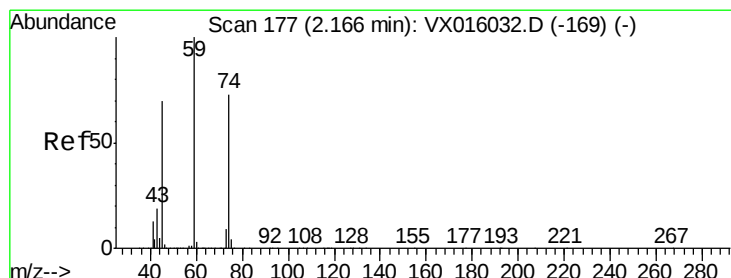
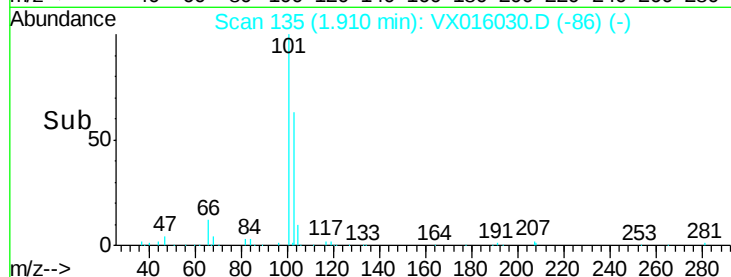
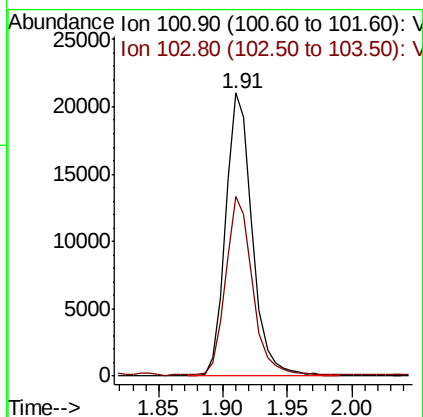
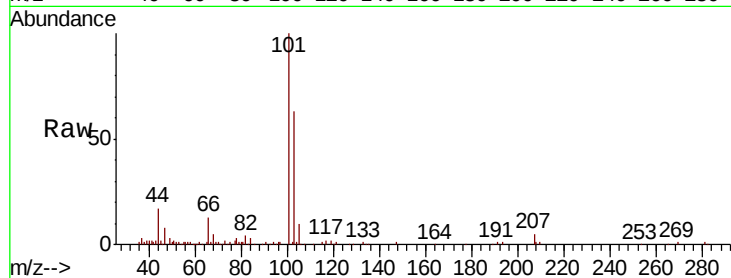


#7

Trichlorofluoromethane
Concen: 5.388 ug/l
RT: 1.91 min Scan# 135
Delta R.T. -0.00 min
Lab File: VX016030.D
Acq: 04 May 2020 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

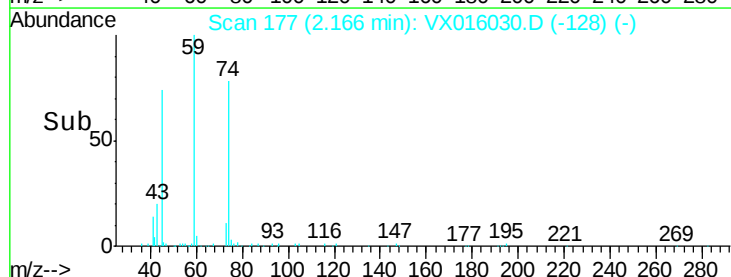
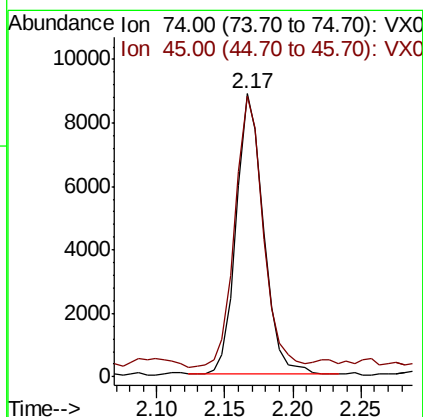
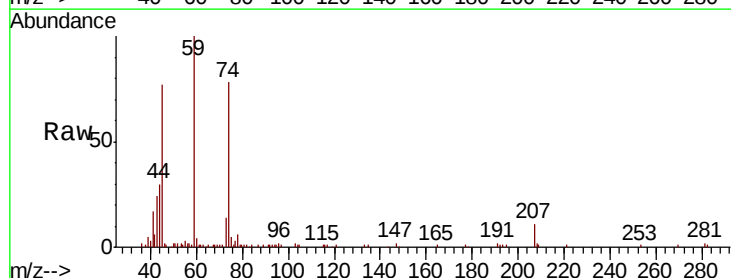
Tot Ion:101 Resp: 30508
Ion Ratio Lower Upper
101 100
103 62.9 51.8 77.6

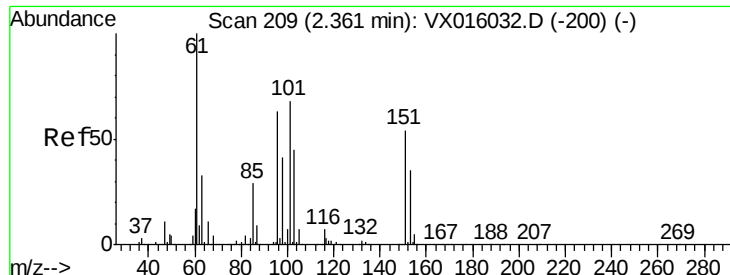


#8

Diethyl Ether
Concen: 5.166 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX016030.D
Acq: 04 May 2020 12:02

Tgt Ion: 74 Resp: 12385
Ion Ratio Lower Upper
74 100
45 99.3 47.3 142.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.311 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

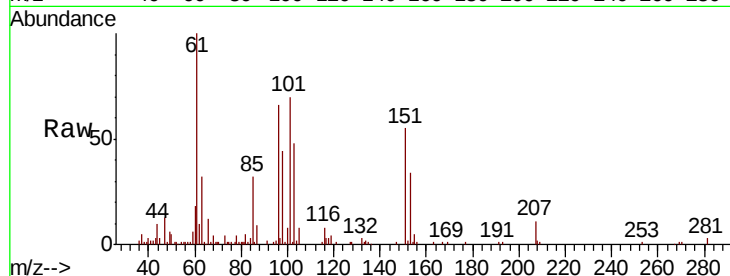
Tot Ion:101 Resp: 17305

Ion Ratio Lower Upper

101 100

85 43.5 34.2 51.4

151 79.4 62.1 93.1



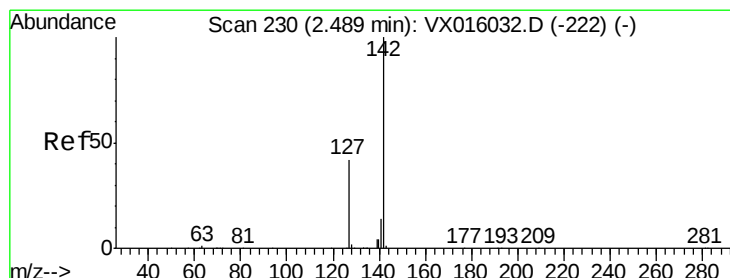
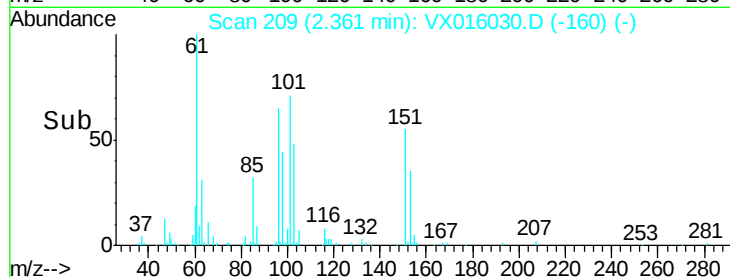
Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

2.36

Time-->



#10

Methyl Iodide

Concen: 5.045 ug/l

RT: 2.49 min Scan# 230

Delta R.T. -0.00 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

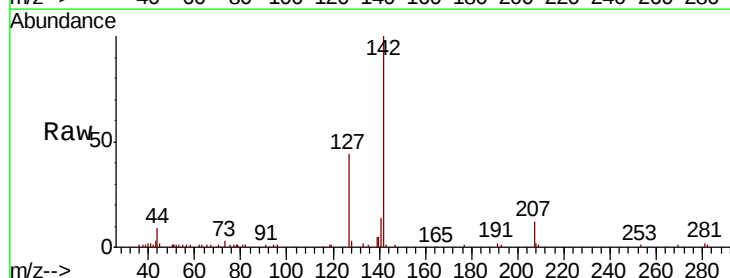
Tgt Ion:142 Resp: 21009

Ion Ratio Lower Upper

142 100

127 44.0 34.6 52.0

141 14.9 11.3 16.9



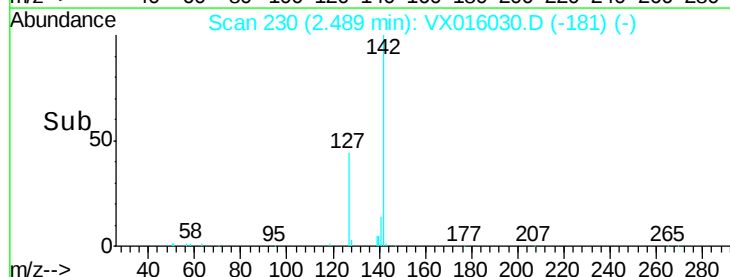
Abundance Ion 141.80 (141.50 to 142.50): V

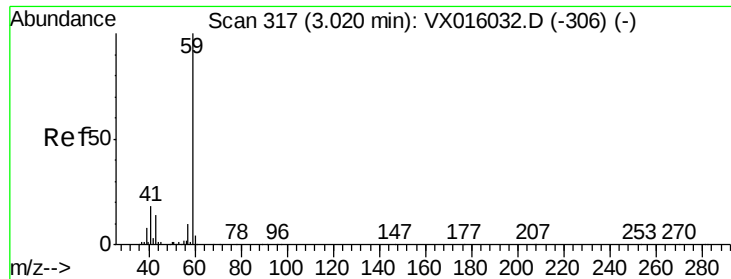
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.49

Time-->



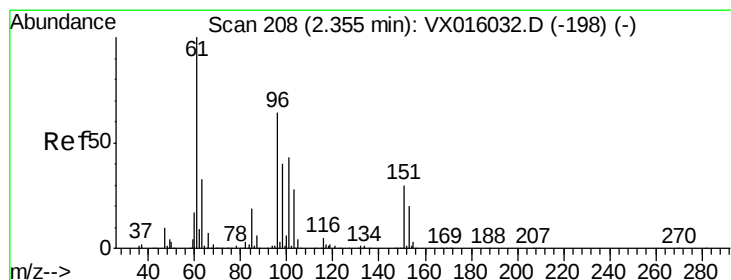
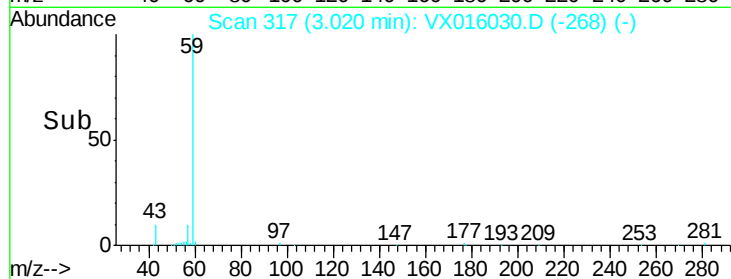
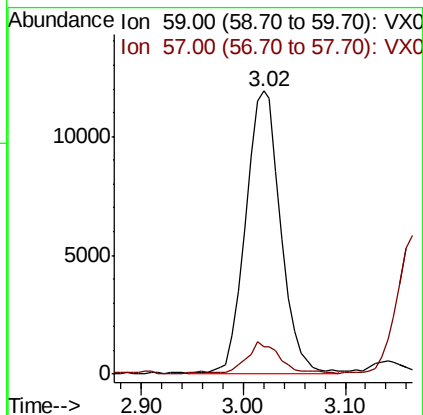
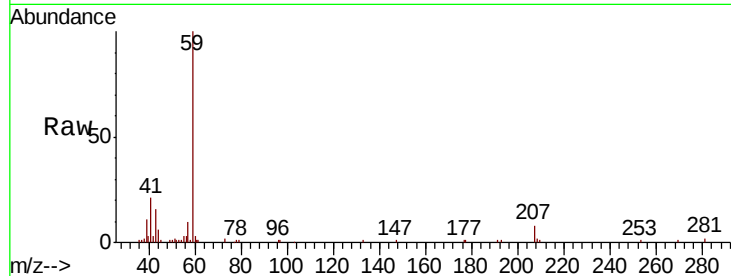


#11

Tert butyl alcohol
 Concen: 26.856 ug/l
 RT: 3.02 min Scan# 317
 Delta R.T. -0.00 min
 Lab File: VX016030.D
 Acq: 04 May 2020 12:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

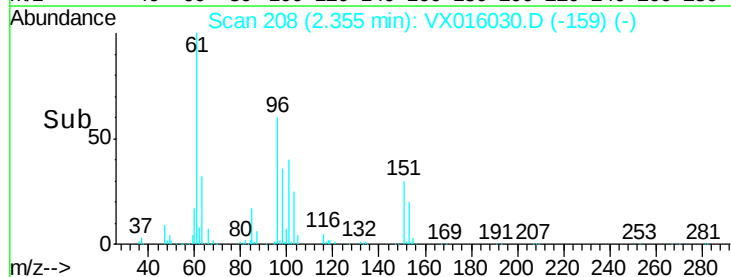
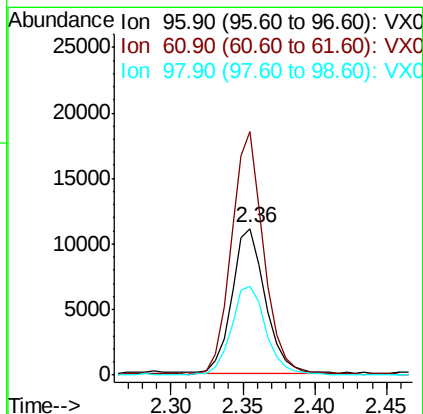
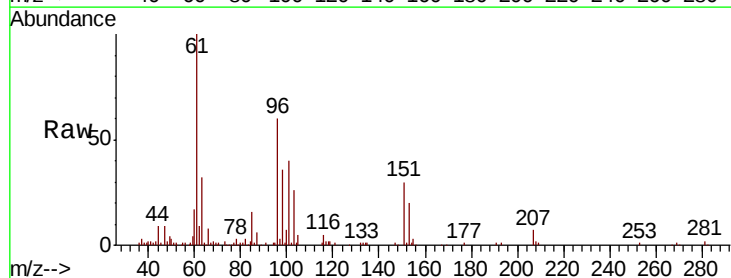
Tot Ion: 59 Resp: 28543
 Ion Ratio Lower Upper
 59 100
 57 11.1 8.2 12.4

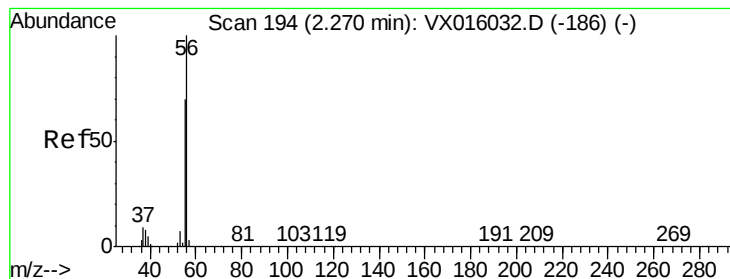


#12

1,1-Dichloroethene
 Concen: 5.190 ug/l
 RT: 2.36 min Scan# 208
 Delta R.T. -0.00 min
 Lab File: VX016030.D
 Acq: 04 May 2020 12:02

Tgt Ion: 96 Resp: 17718
 Ion Ratio Lower Upper
 96 100
 61 168.3 124.8 187.2
 98 61.1 49.7 74.5





#13

Acrolein

Concen: 27.818 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

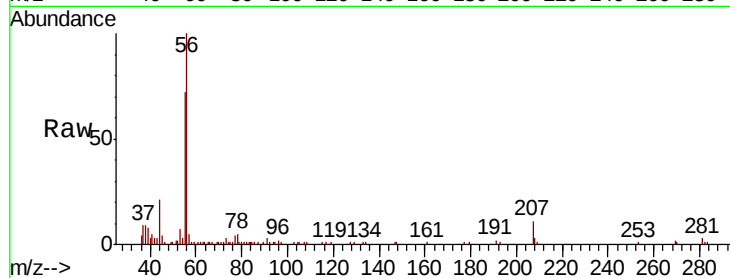
VSTDIC005

Tot Ion: 56 Resp: 18122

Ion Ratio Lower Upper

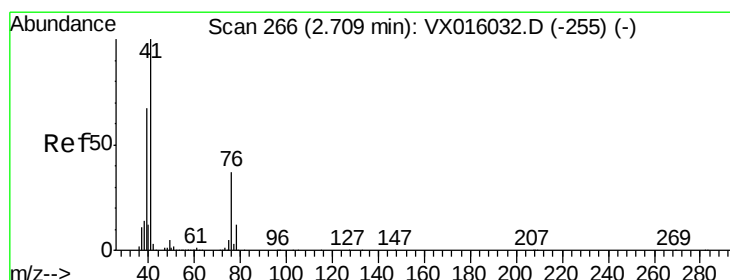
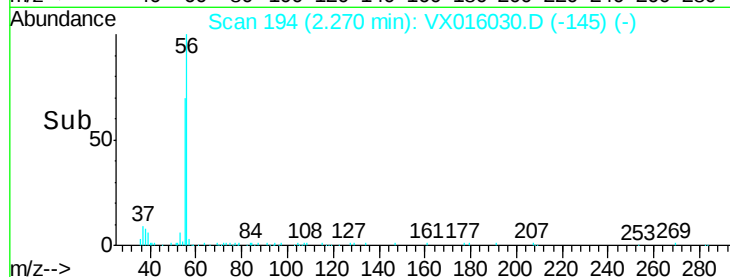
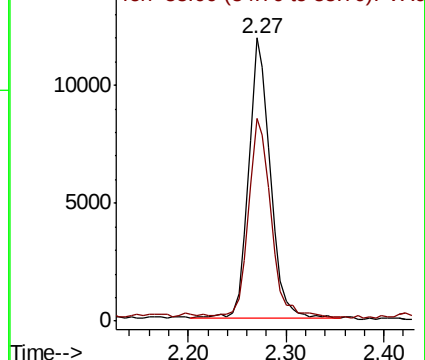
56 100

55 73.0 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 5.248 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

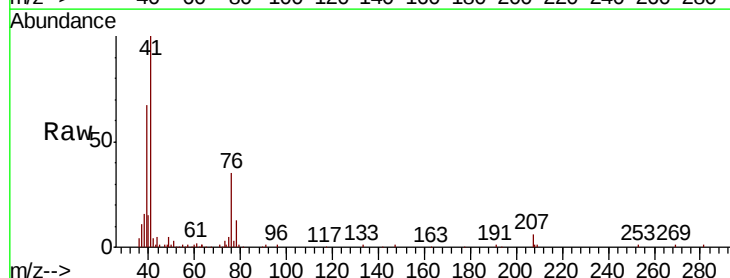
Tgt Ion: 41 Resp: 32724

Ion Ratio Lower Upper

41 100

39 64.3 50.5 75.7

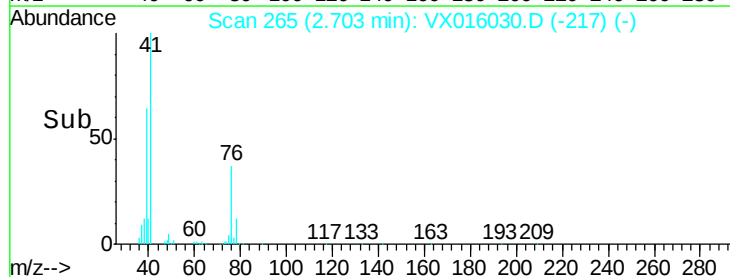
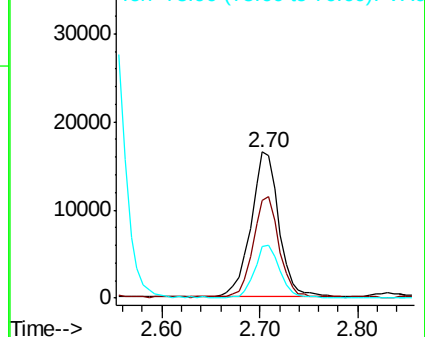
76 33.4 26.6 40.0

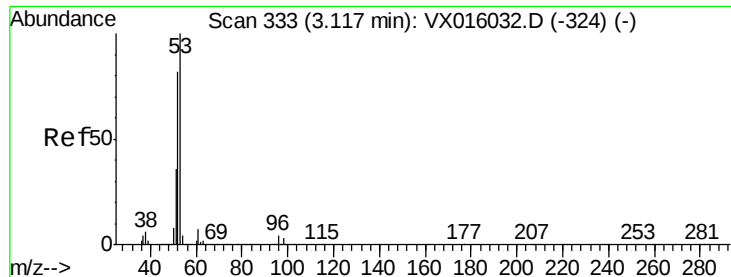


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

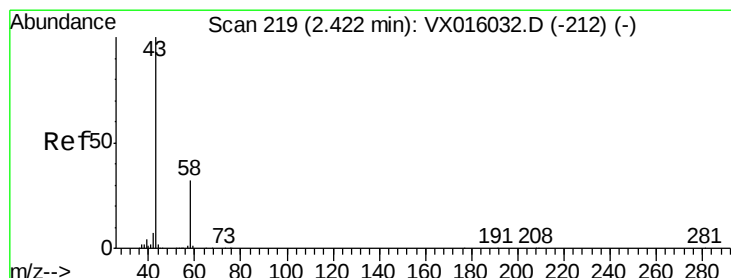
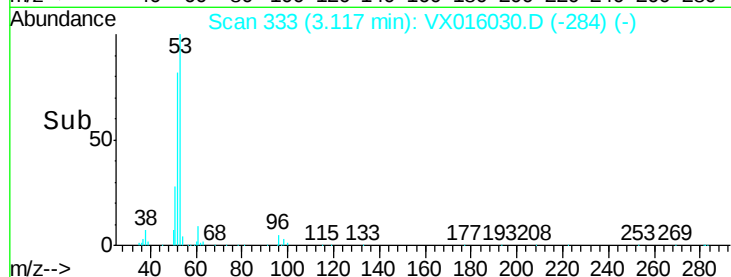
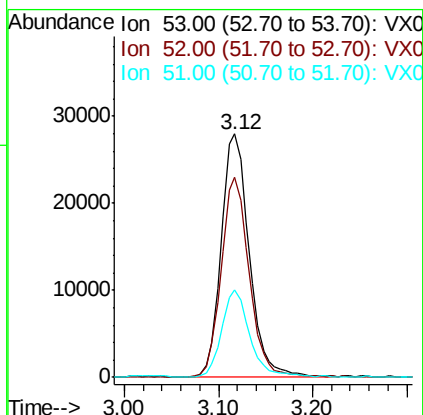
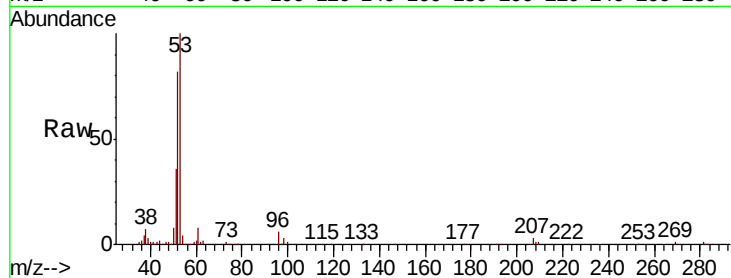




#15
 Acrylonitrile
 Concen: 25.897 ug/l
 RT: 3.12 min Scan# 333
 Delta R.T. -0.00 min
 Lab File: VX016030.D
 Acq: 04 May 2020 12:02

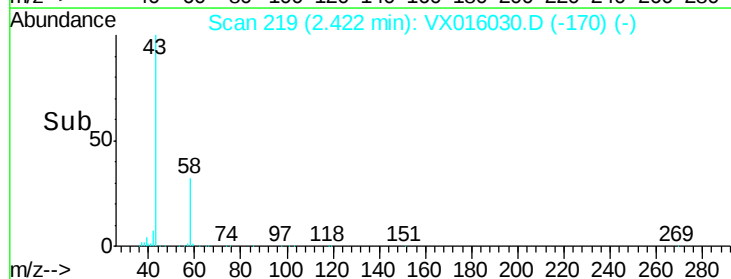
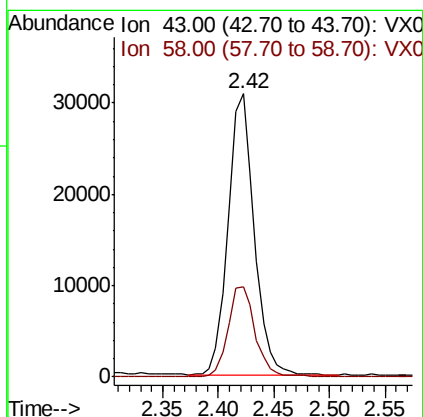
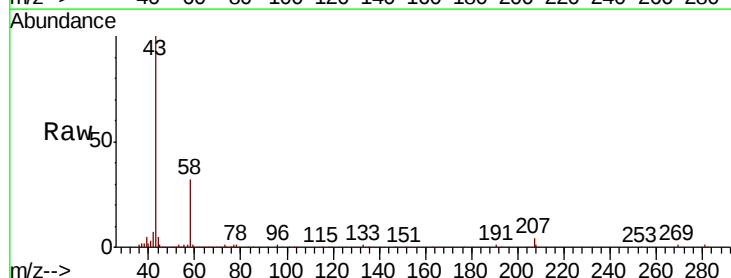
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

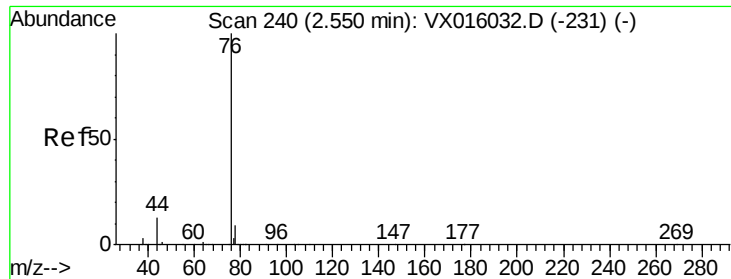
Tot Ion:	53	Resp:	58121
Ion	Ratio	Lower	Upper
53	100		
52	81.6	66.1	99.1
51	35.4	28.8	43.2



#16
 Acetone
 Concen: 25.872 ug/l
 RT: 2.42 min Scan# 219
 Delta R.T. -0.00 min
 Lab File: VX016030.D
 Acq: 04 May 2020 12:02

Tgt Ion:	43	Resp:	49782
Ion	Ratio	Lower	Upper
43	100		
58	31.8	25.4	38.0

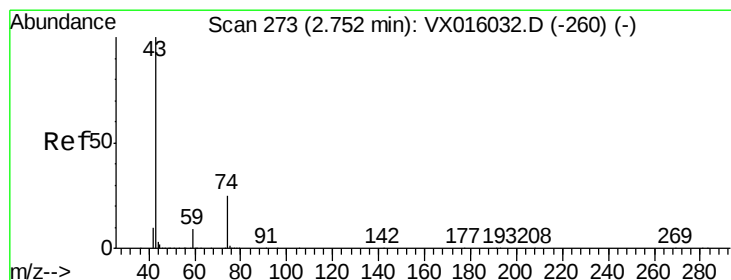
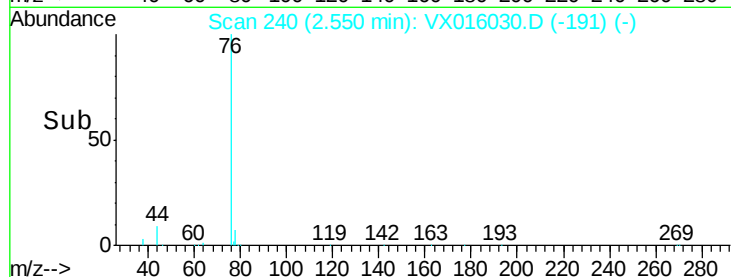
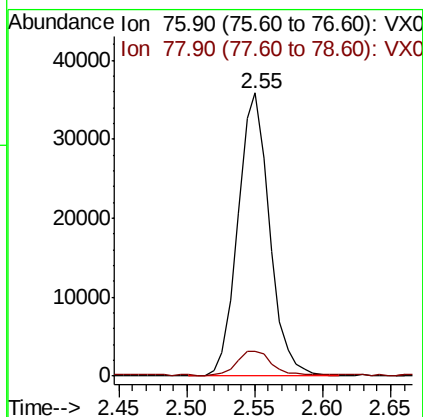
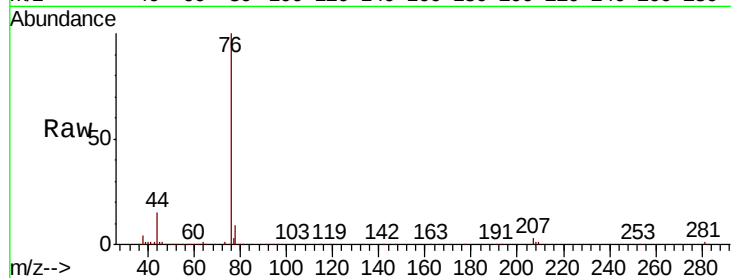




#17
Carbon Disulfide
Concen: 4.786 ug/l
RT: 2.55 min Scan# 240
Delta R.T. -0.00 min
Lab File: VX016030.D
Acq: 04 May 2020 12:02

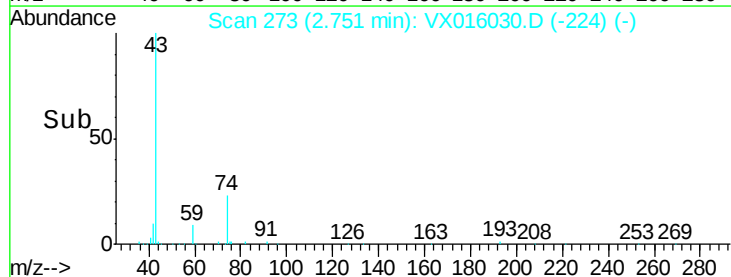
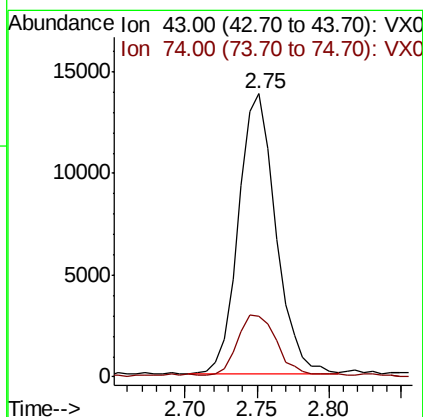
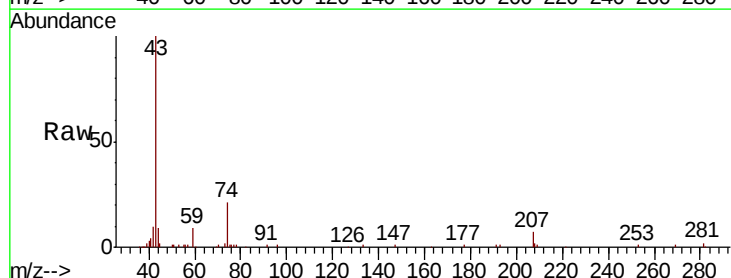
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

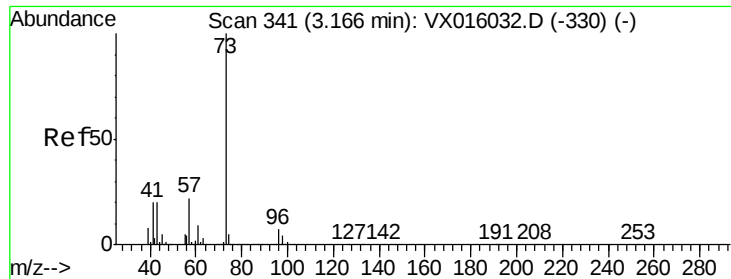
Tot Ion: 76 Resp: 58408
Ion Ratio Lower Upper
76 100
78 8.3 7.5 11.3



#18
Methyl Acetate
Concen: 5.263 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX016030.D
Acq: 04 May 2020 12:02

Tgt Ion: 43 Resp: 24950
Ion Ratio Lower Upper
43 100
74 24.3 20.2 30.2

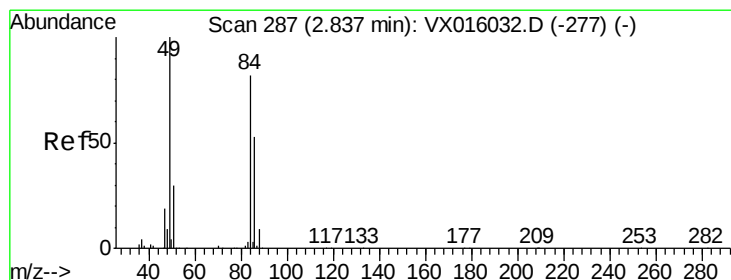
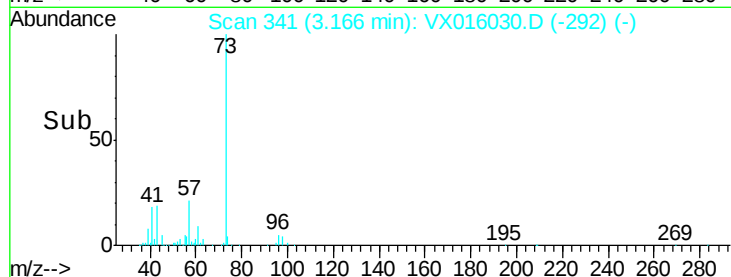
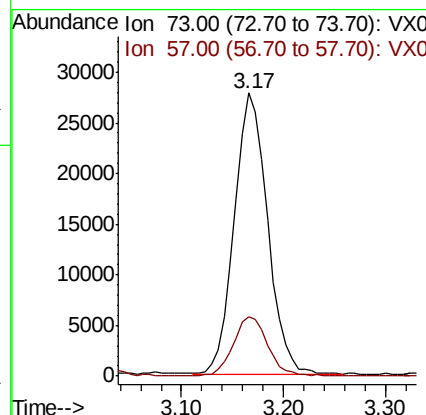
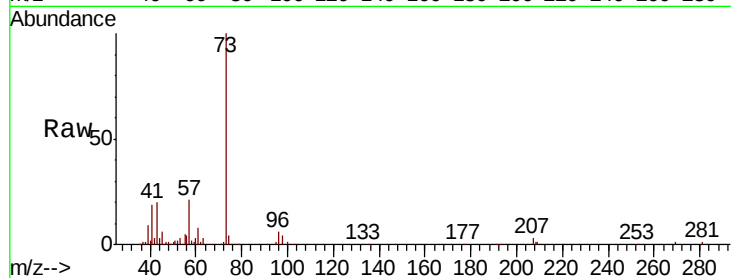




#19
Methyl tert-butyl Ether
Concen: 5.381 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX016030.D
Acq: 04 May 2020 12:02

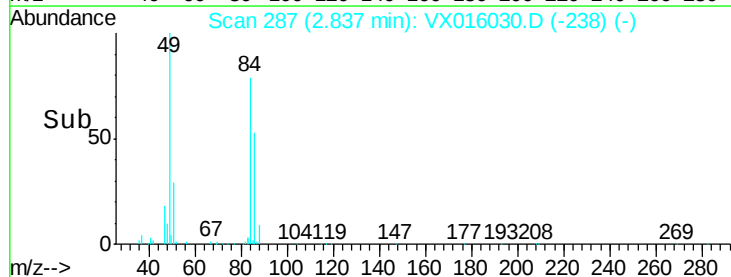
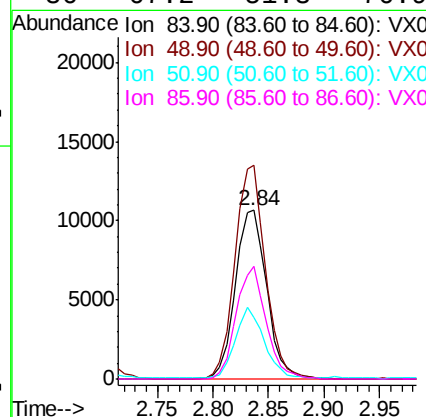
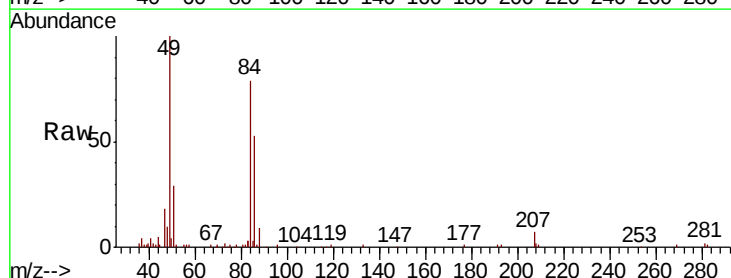
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

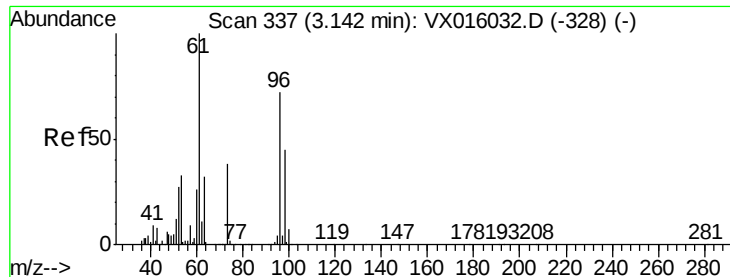
Tot Ion: 73 Resp: 62644
Ion Ratio Lower Upper
73 100
57 21.0 17.8 26.6



#20
Methylene Chloride
Concen: 5.123 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX016030.D
Acq: 04 May 2020 12:02

Tgt Ion: 84 Resp: 20811
Ion Ratio Lower Upper
84 100
49 126.8 97.3 145.9
51 36.1 29.3 43.9
86 67.2 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 5.116 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

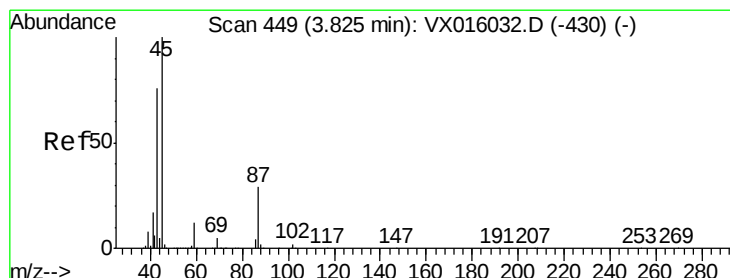
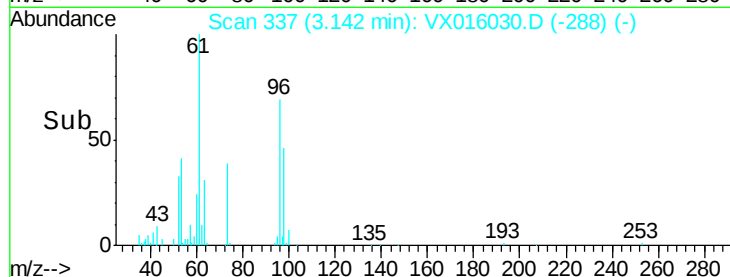
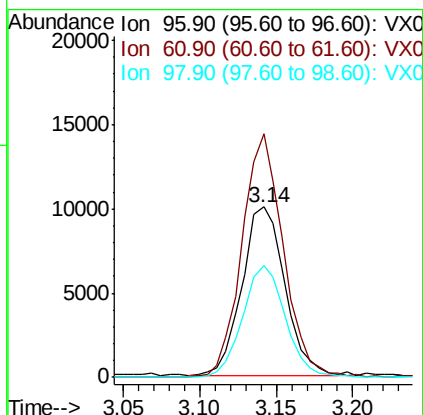
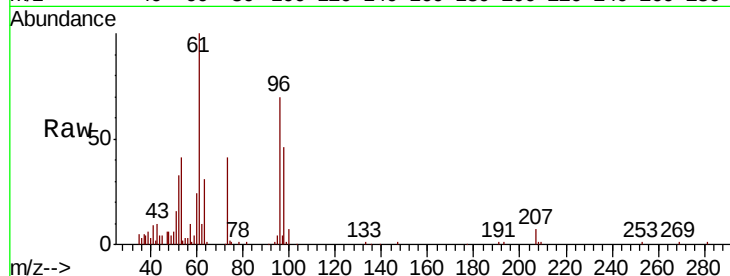
Tot Ion: 96 Resp: 19629

Ion Ratio Lower Upper

96 100

61 144.6 111.2 166.8

98 66.3 50.2 75.4



#22

Diisopropyl ether

Concen: 5.243 ug/l

RT: 3.82 min Scan# 449

Delta R.T. -0.00 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

Tgt Ion: 45 Resp: 61719

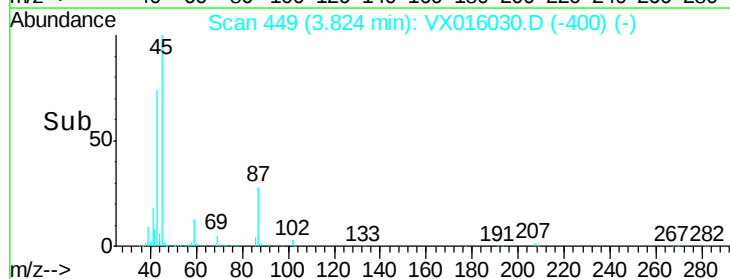
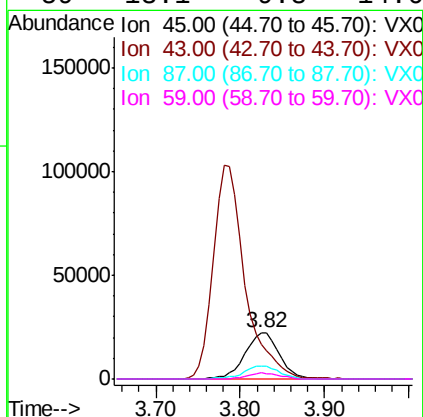
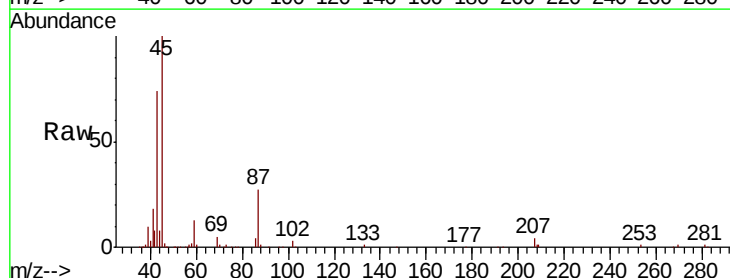
Ion Ratio Lower Upper

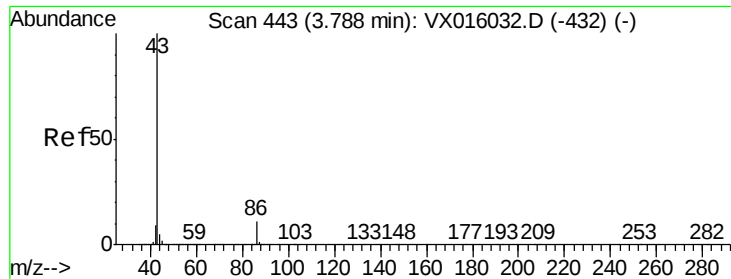
45 100

43 72.8 61.1 91.7

87 27.4 23.0 34.6

59 13.1 9.8 14.6





#23

Vinyl Acetate

Concen: 26.455 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

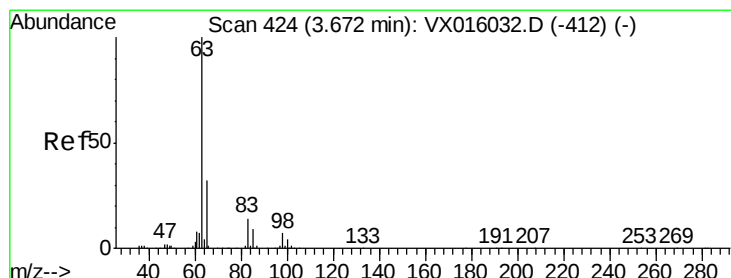
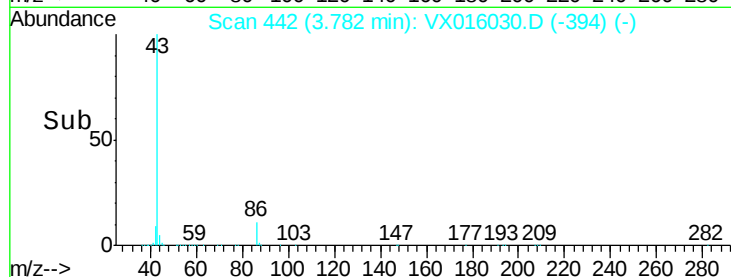
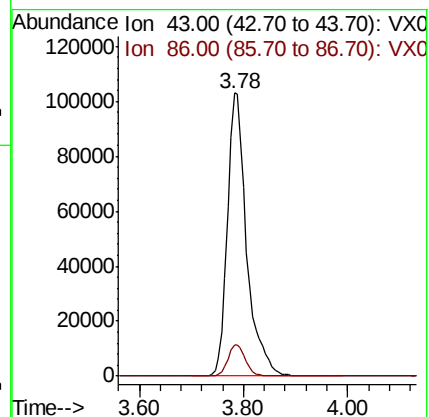
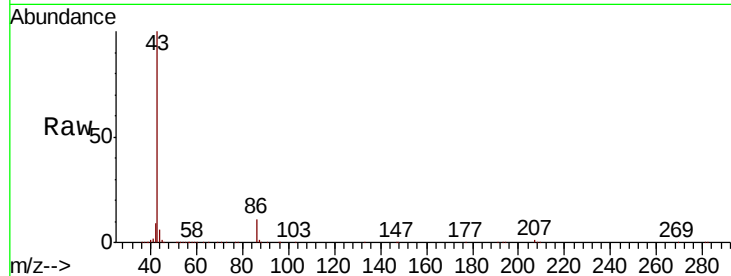
VSTDIC005

Tot Ion: 43 Resp: 269566

Ion Ratio Lower Upper

43 100

86 11.0 9.0 13.4



#24

1,1-Dichloroethane

Concen: 5.277 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

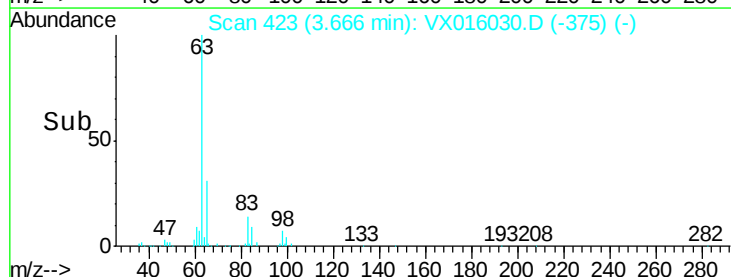
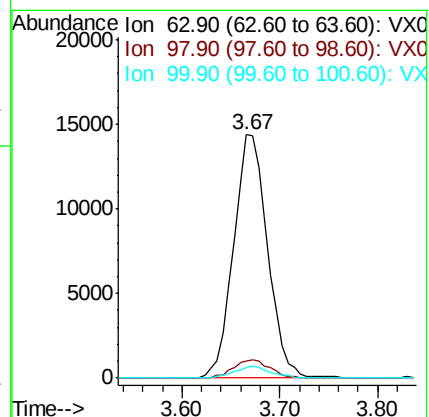
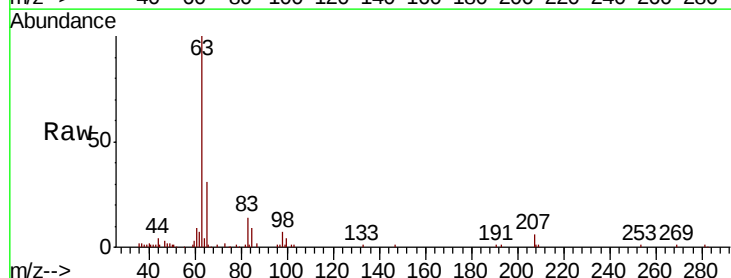
Tgt Ion: 63 Resp: 34644

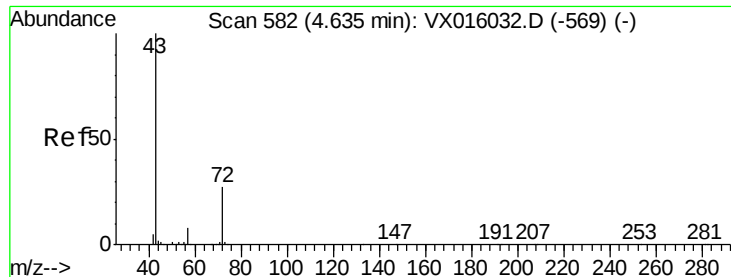
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.5

100 4.3 2.1 6.5





#25

2-Butanone

Concen: 26.409 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

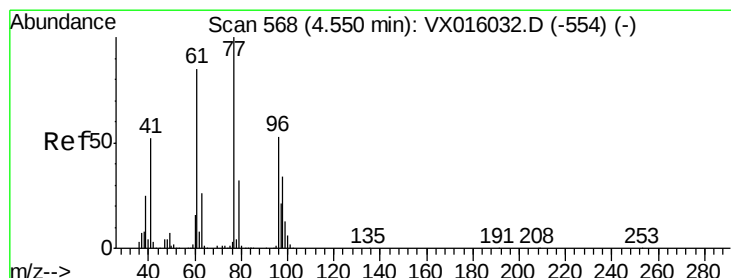
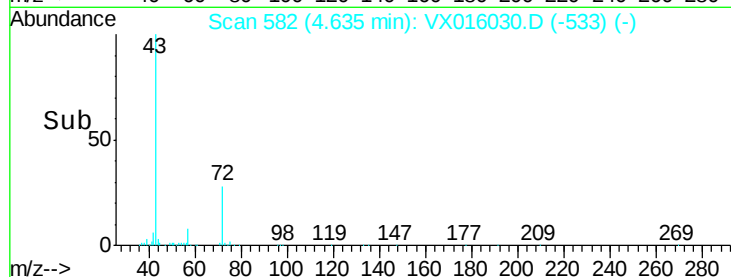
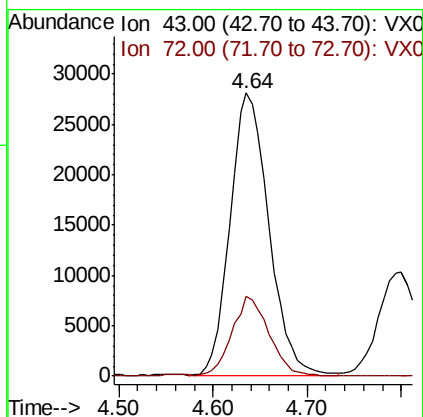
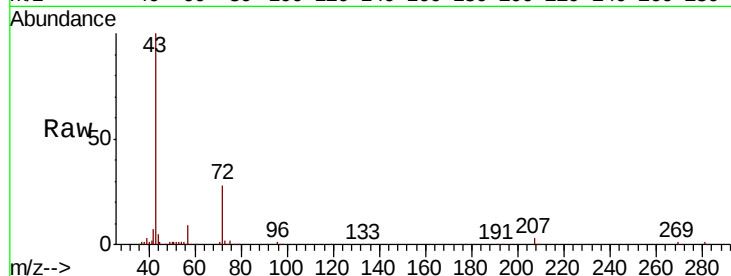
VSTDIC005

Tot Ion: 43 Resp: 80284

Ion Ratio Lower Upper

43 100

72 28.1 21.8 32.8



#26

2,2-Dichloropropane

Concen: 5.293 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX016030.D

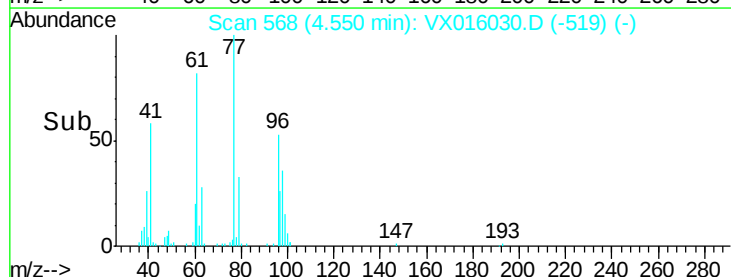
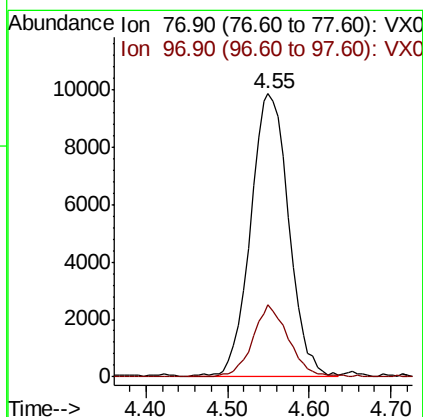
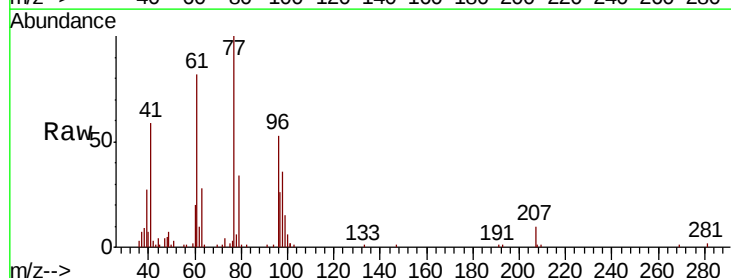
Acq: 04 May 2020 12:02

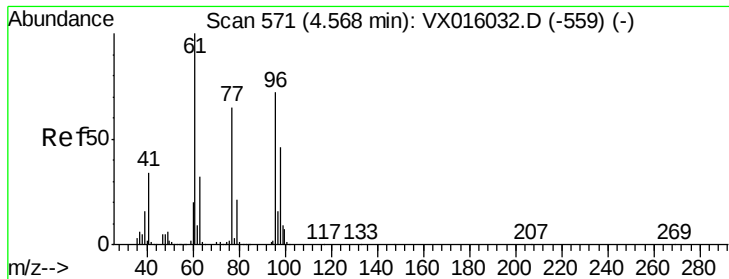
Tgt Ion: 77 Resp: 32155

Ion Ratio Lower Upper

77 100

97 23.8 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 5.187 ug/l

RT: 4.57 min Scan# 571

Delta R.T. -0.00 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

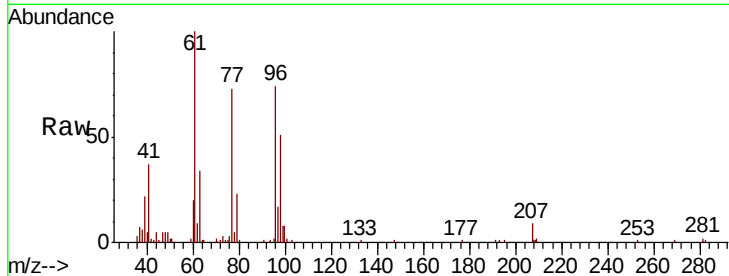
Tot Ion: 96 Resp: 21422

Ion Ratio Lower Upper

96 100

61 149.8 0.0 296.2

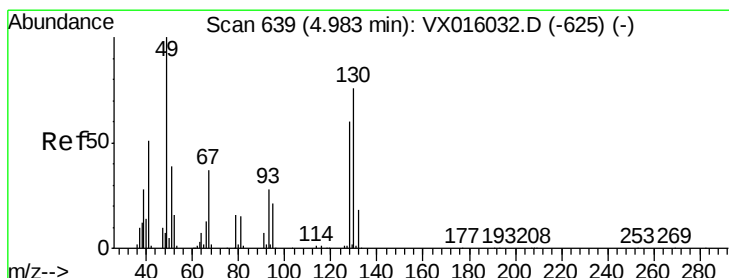
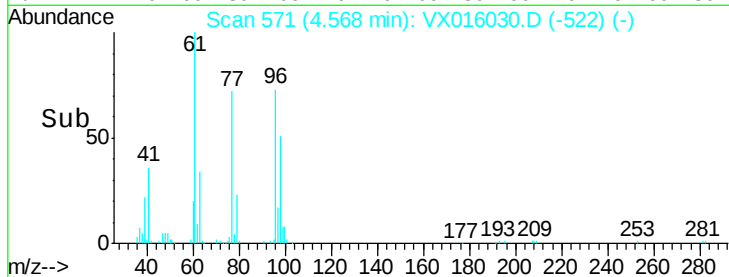
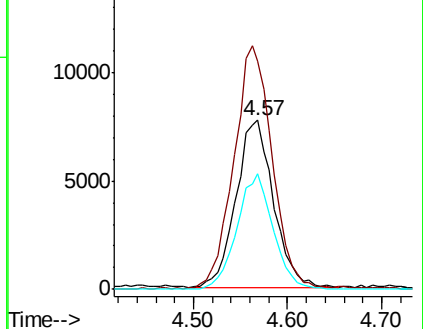
98 66.4 0.0 129.4



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



#28

Bromochloromethane

Concen: 5.426 ug/l

RT: 4.98 min Scan# 639

Delta R.T. -0.00 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

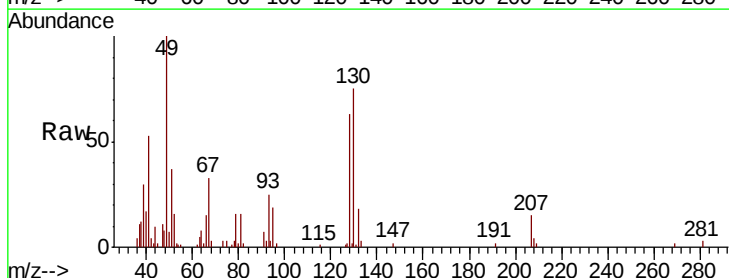
Tgt Ion: 49 Resp: 16139

Ion Ratio Lower Upper

49 100

129 2.6 0.0 4.0

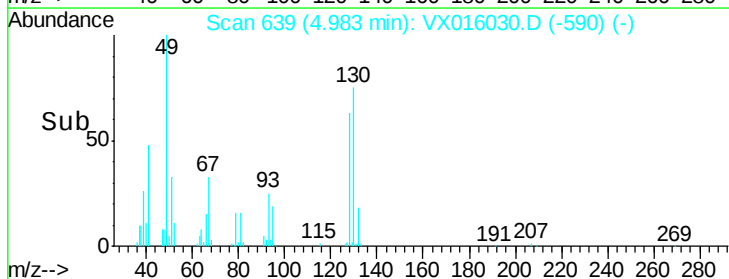
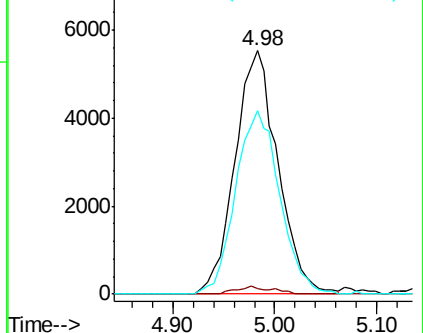
130 77.5 62.4 93.6

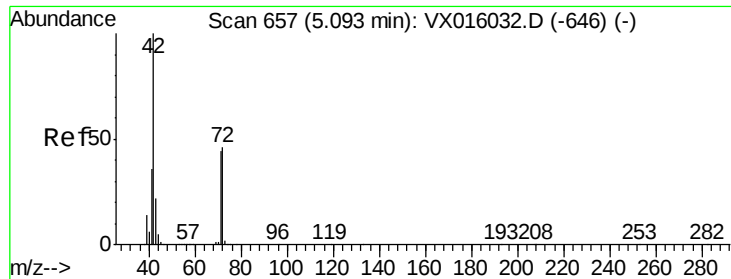


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

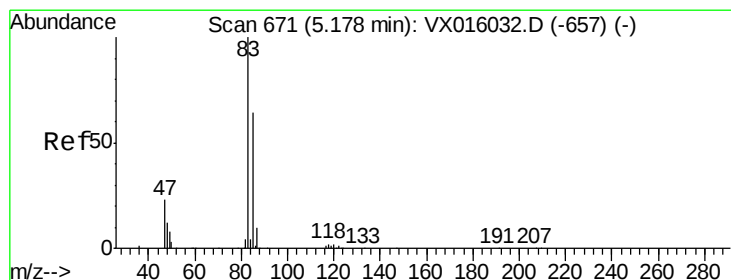
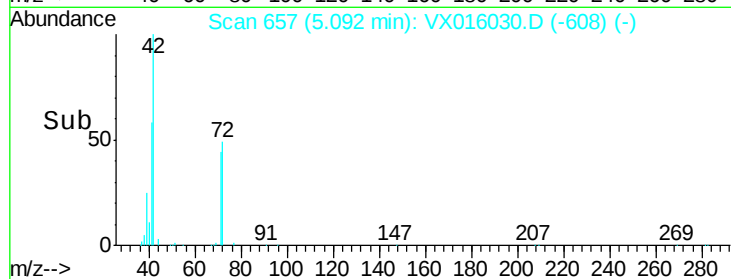
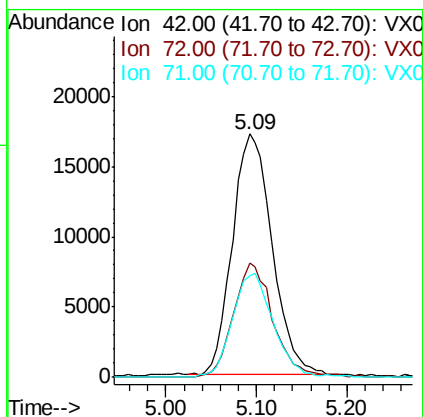
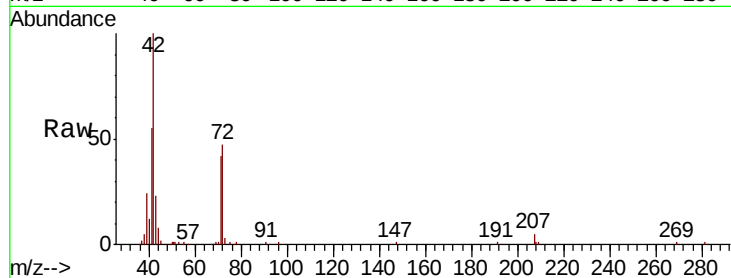




#29
Tetrahydrofuran
Concen: 25.799 ug/l
RT: 5.09 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX016030.D
Acq: 04 May 2020 12:02

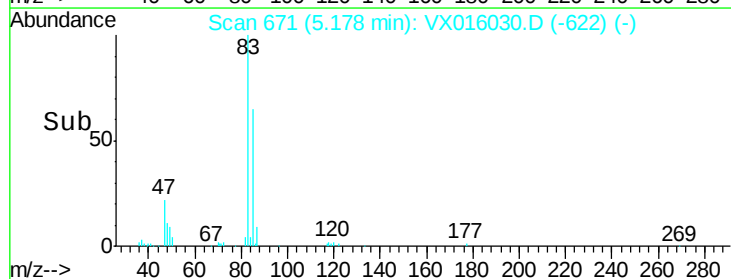
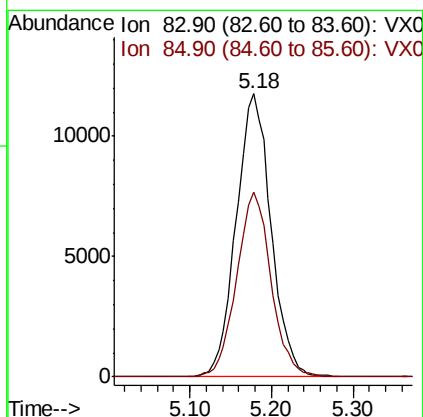
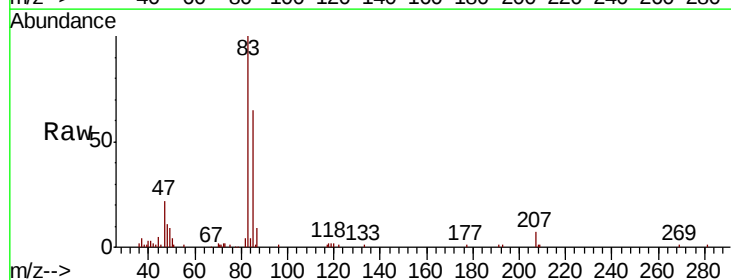
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

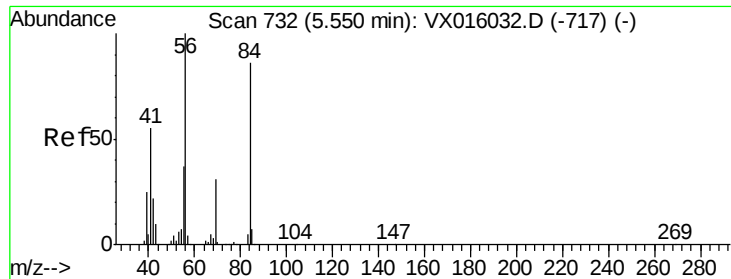
Tot Ion	Ratio	Lower	Upper
42	100		
72	47.4	37.1	55.7
71	44.0	34.5	51.7



#30
Chloroform
Concen: 5.324 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX016030.D
Acq: 04 May 2020 12:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.6	77.4

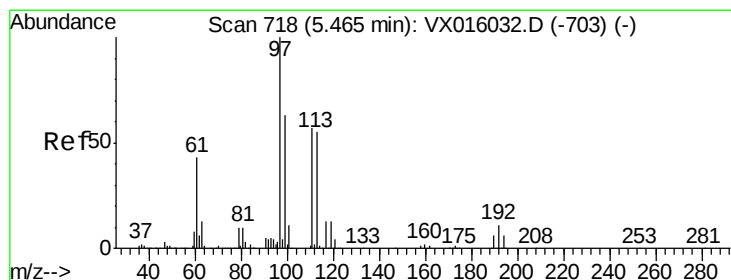
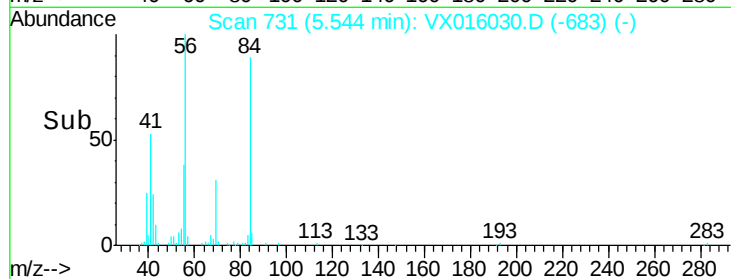
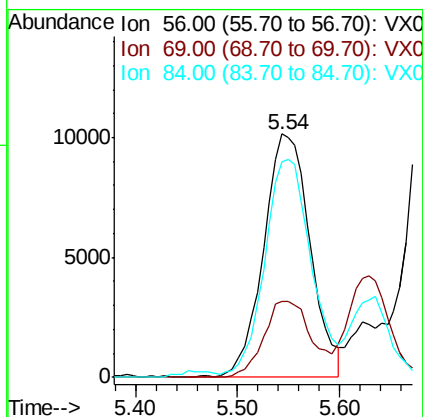
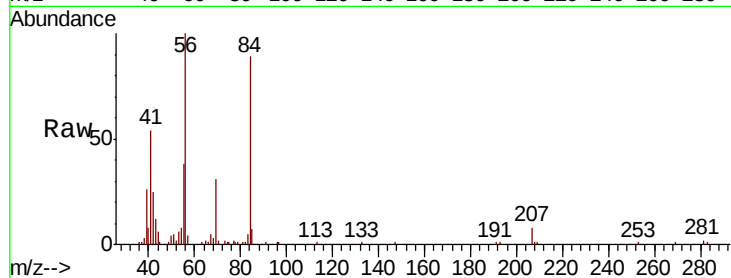




#31
Cyclohexane
Concen: 5.246 ug/l
RT: 5.54 min Scan# 731
Delta R.T. -0.01 min
Lab File: VX016030.D
Acq: 04 May 2020 12:02

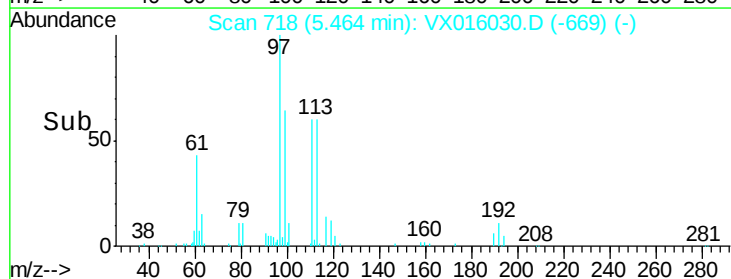
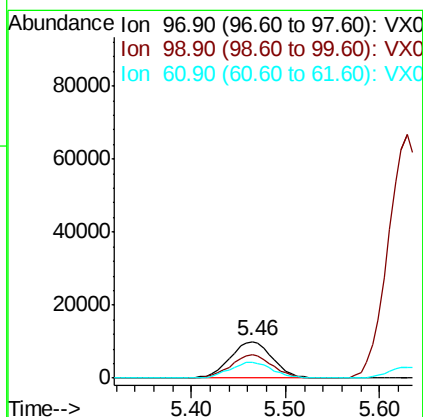
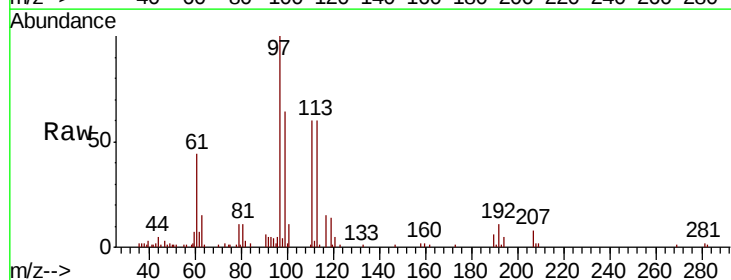
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

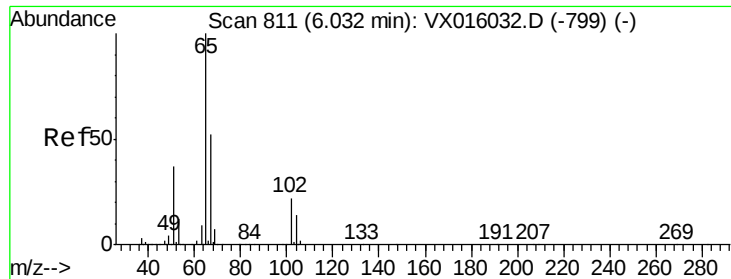
Tot Ion: 56 Resp: 32132
Ion Ratio Lower Upper
56 100
69 31.0 25.0 37.6
84 85.8 69.0 103.6



#32
1,1,1-Trichloroethane
Concen: 5.265 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX016030.D
Acq: 04 May 2020 12:02

Tgt Ion: 97 Resp: 31272
Ion Ratio Lower Upper
97 100
99 64.0 51.0 76.4
61 43.8 34.5 51.7





#33

1,2-Dichloroethane-d4

Concen: 4.640 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

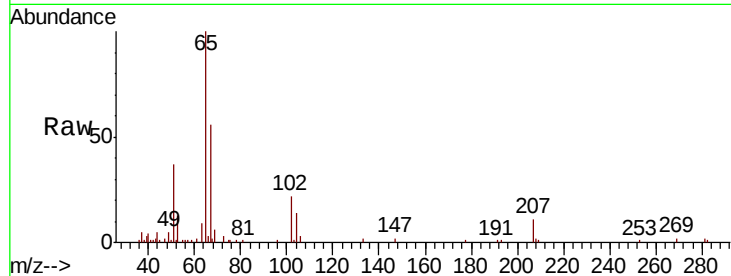
VSTDIC005

Tot Ion: 65 Resp: 23063

Ion Ratio Lower Upper

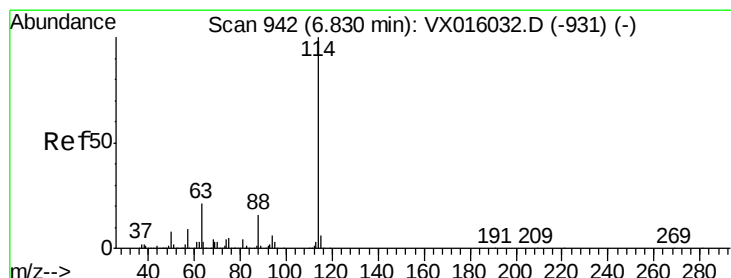
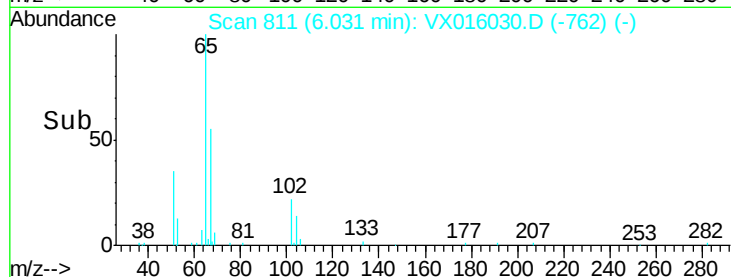
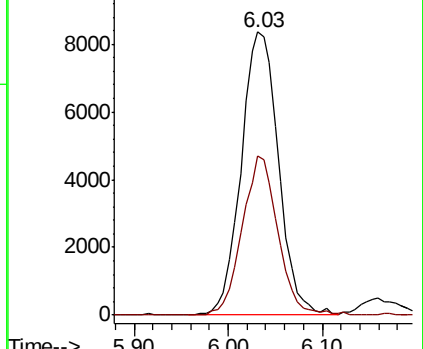
65 100

67 53.7 0.0 104.8



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: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

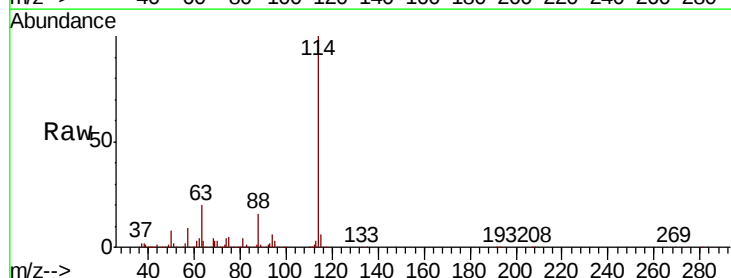
Tgt Ion: 114 Resp: 518516

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.8

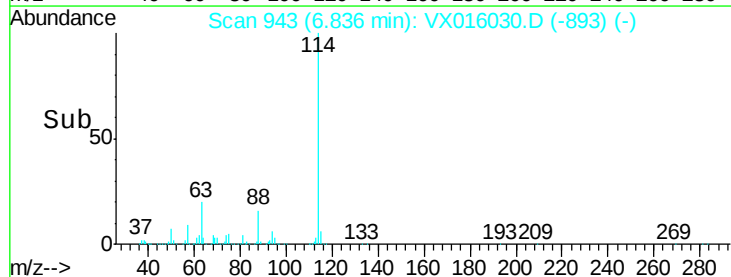
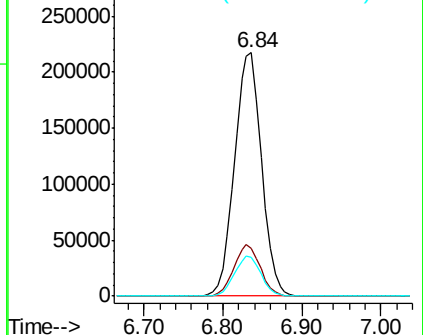
88 15.7 0.0 31.4

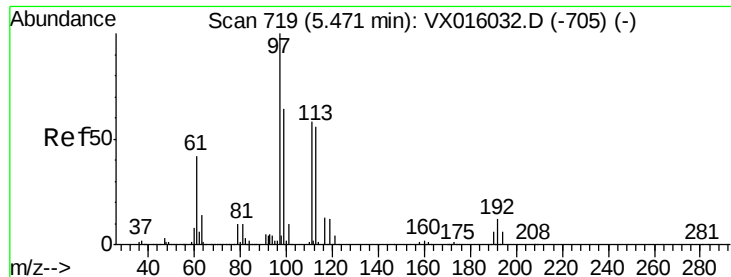


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

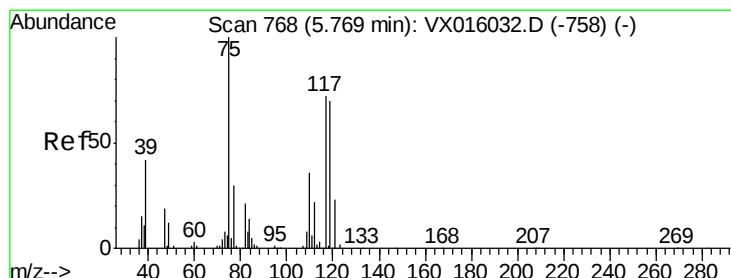
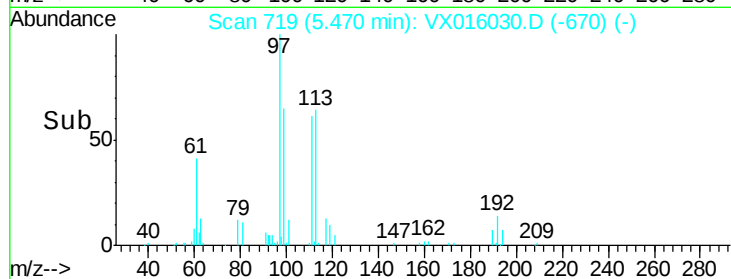
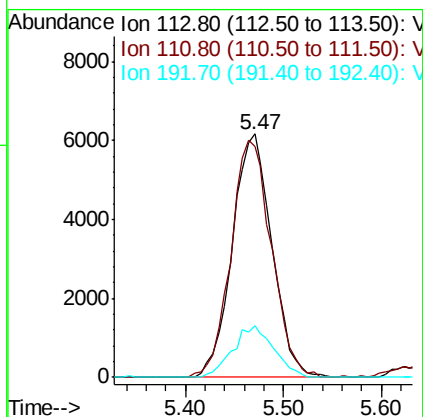
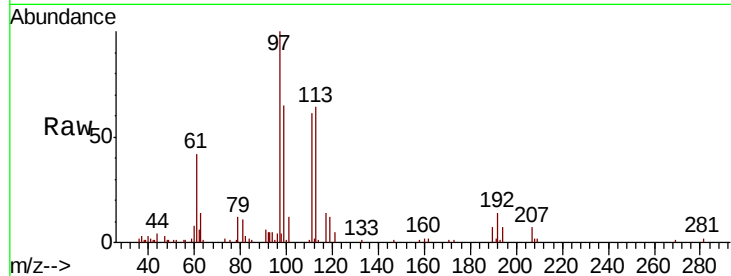




#35
 Dibromofluoromethane
 Concen: 4.734 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX016030.D
 Acq: 04 May 2020 12:02

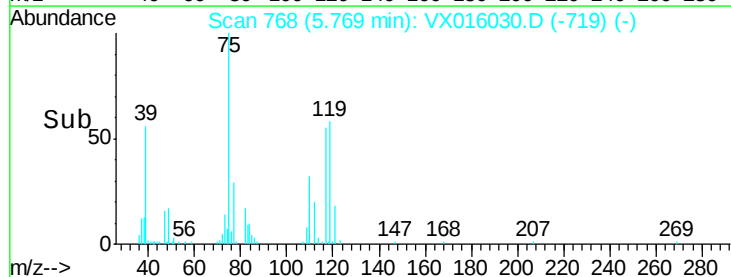
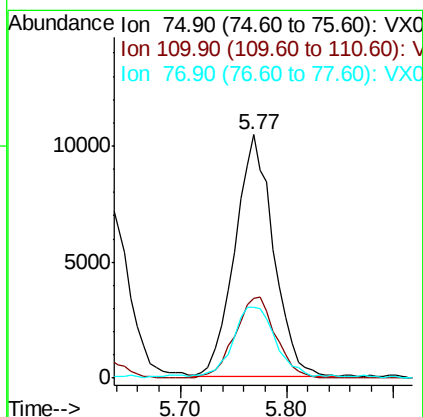
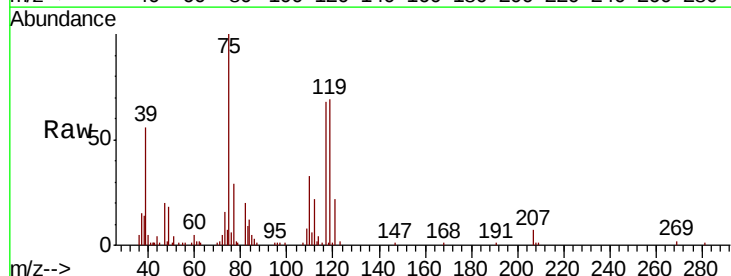
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

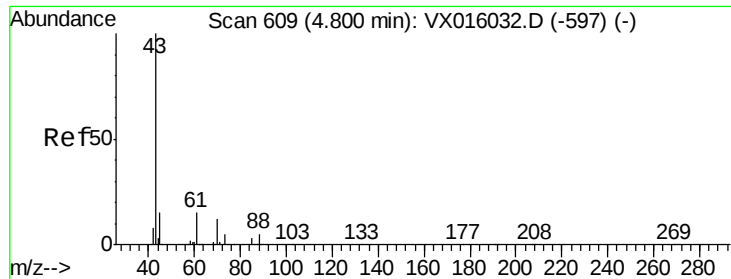
Tot Ion:113 Resp: 17352
 Ion Ratio Lower Upper
 113 100
 111 99.7 81.6 122.4
 192 21.9 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 5.111 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VX016030.D
 Acq: 04 May 2020 12:02

Tgt Ion: 75 Resp: 26455
 Ion Ratio Lower Upper
 75 100
 110 35.5 18.1 54.1
 77 33.7 25.0 37.6

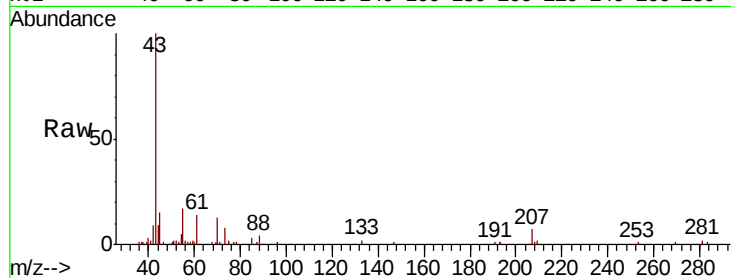




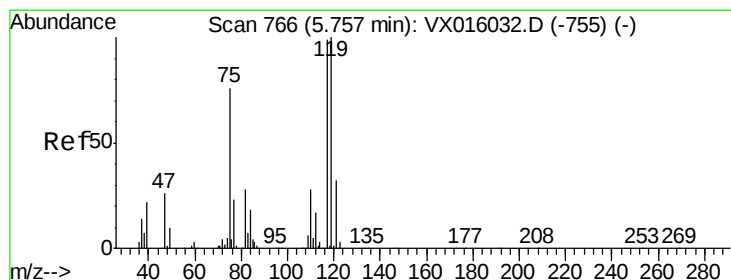
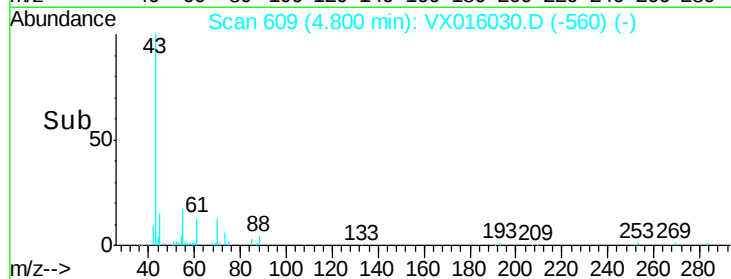
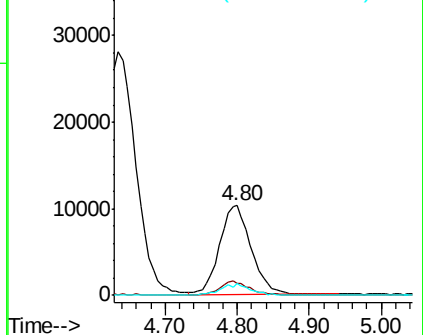
#37
Ethyl Acetate
Concen: 5.272 ug/l
RT: 4.80 min Scan# 609
Delta R.T. -0.00 min
Lab File: VX016030.D
Acq: 04 May 2020 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 31071
Ion Ratio Lower Upper
43 100
61 15.7 11.7 17.5
70 12.3 9.3 13.9

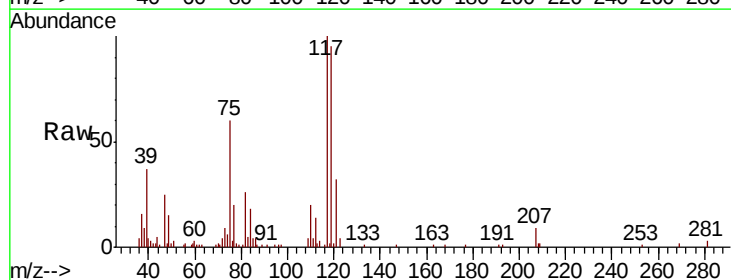


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

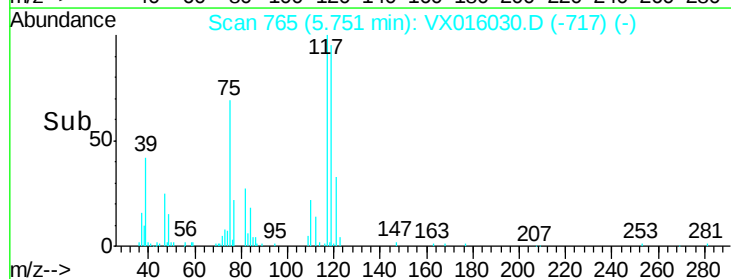
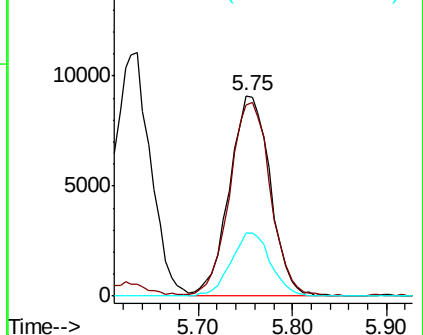


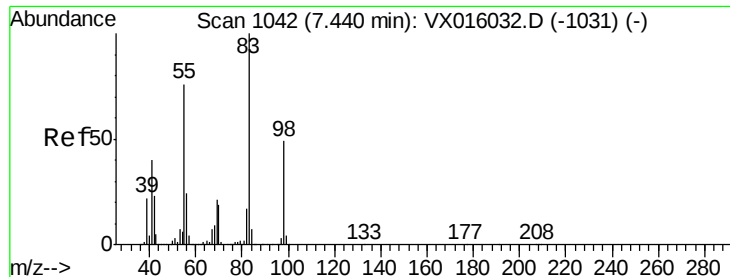
#38
Carbon Tetrachloride
Concen: 5.283 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.01 min
Lab File: VX016030.D
Acq: 04 May 2020 12:02

Tgt Ion: 117 Resp: 27477
Ion Ratio Lower Upper
117 100
119 94.5 80.3 120.5
121 31.6 25.7 38.5



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

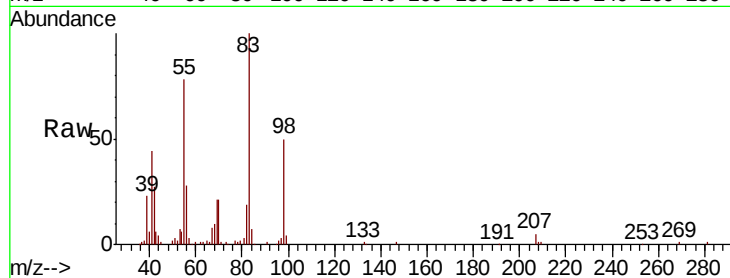




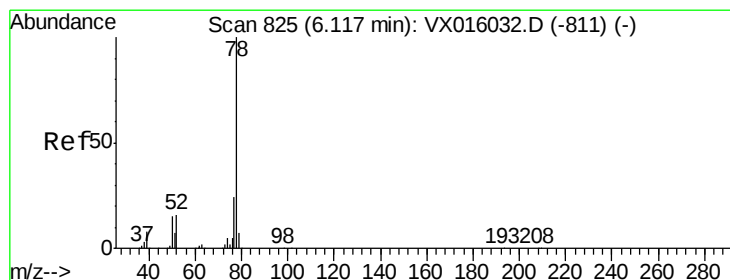
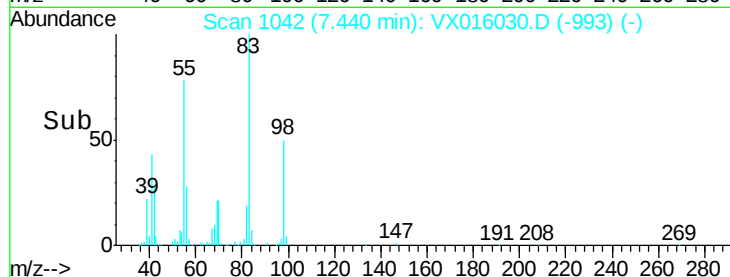
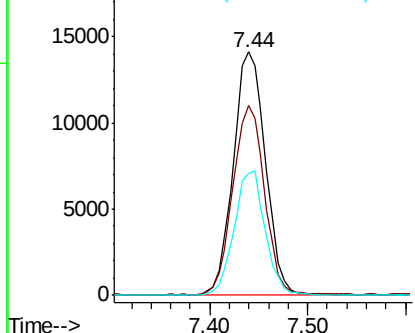
#39
Methvlcvclohexane
Concen: 5.223 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX016030.D
Acq: 04 May 2020 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 83 Resp: 32238
Ion Ratio Lower Upper
83 100
55 77.9 61.1 91.7
98 50.3 39.0 58.4

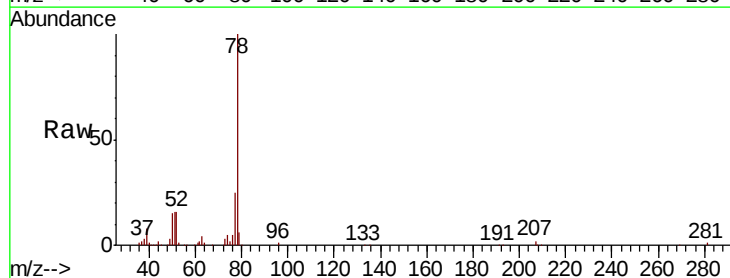


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

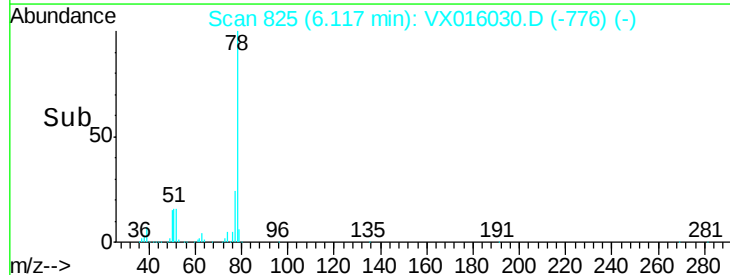
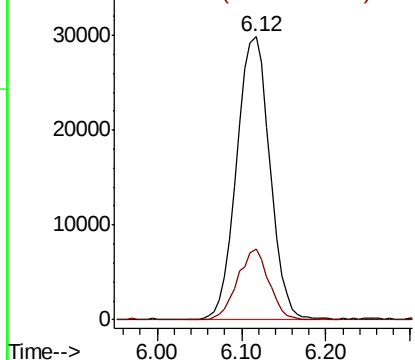


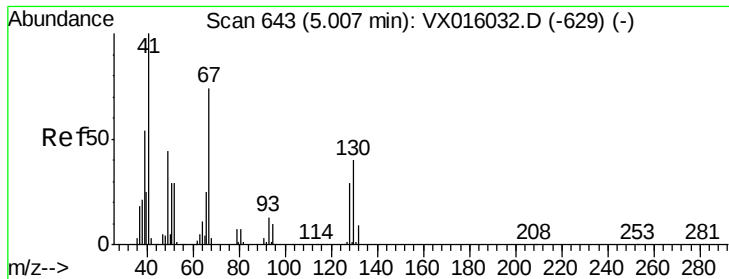
#40
Benzene
Concen: 5.224 ug/l
RT: 6.12 min Scan# 825
Delta R.T. -0.00 min
Lab File: VX016030.D
Acq: 04 May 2020 12:02

Tgt Ion: 78 Resp: 79130
Ion Ratio Lower Upper
78 100
77 24.8 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

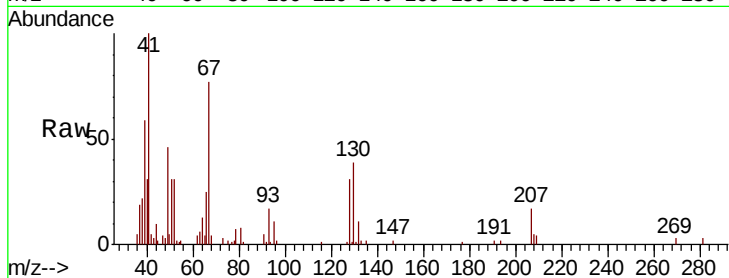




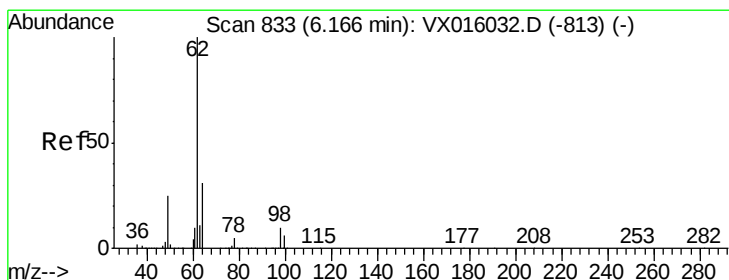
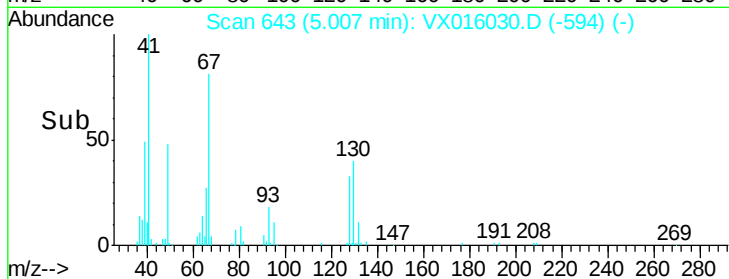
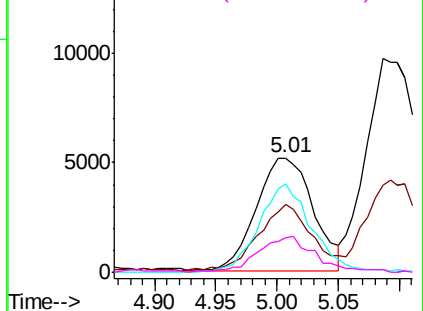
#41
Methacrylonitrile
Concen: 5.207 ug/l
RT: 5.01 min Scan# 643
Delta R.T. -0.00 min
Lab File: VX016030.D
Acq: 04 May 2020 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	16575
Ion	Ratio	Lower	Upper
41	100		
39	56.1	43.2	64.8
67	73.8	59.3	88.9
52	32.2	23.5	35.3

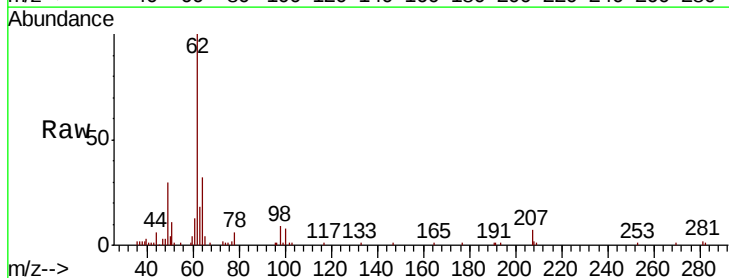


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

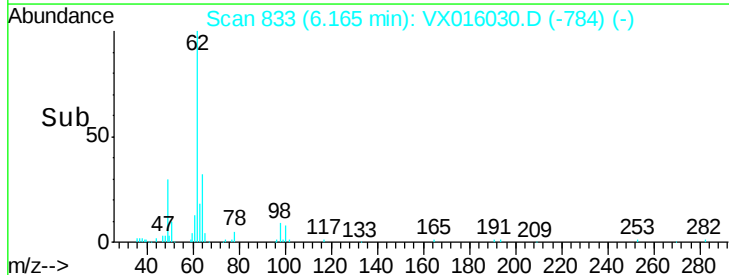
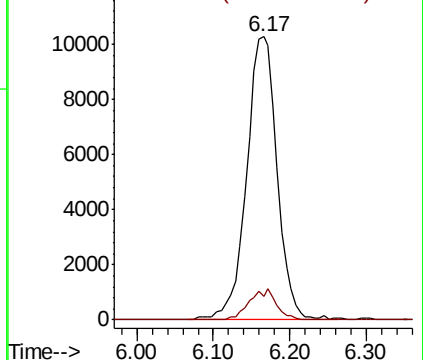


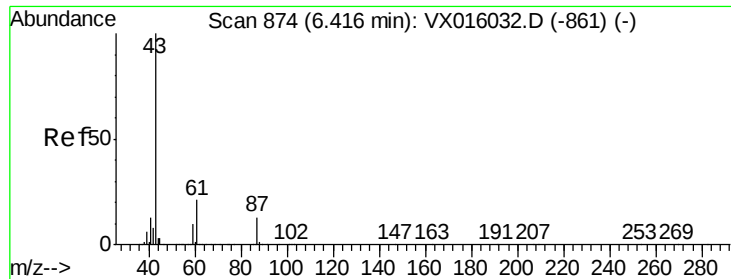
#42
1,2-Dichloroethane
Concen: 5.224 ug/l
RT: 6.17 min Scan# 833
Delta R.T. -0.00 min
Lab File: VX016030.D
Acq: 04 May 2020 12:02

Tgt Ion:	62	Resp:	28583
Ion	Ratio	Lower	Upper
62	100		
98	9.7	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: 5.220 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.01 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

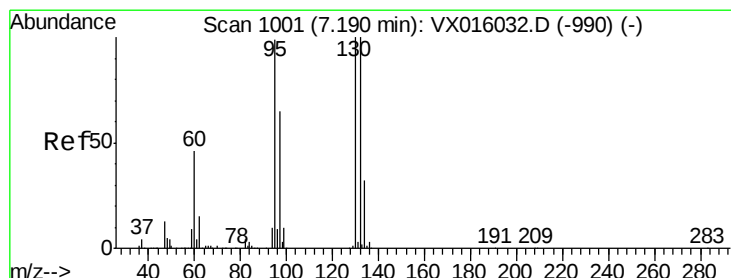
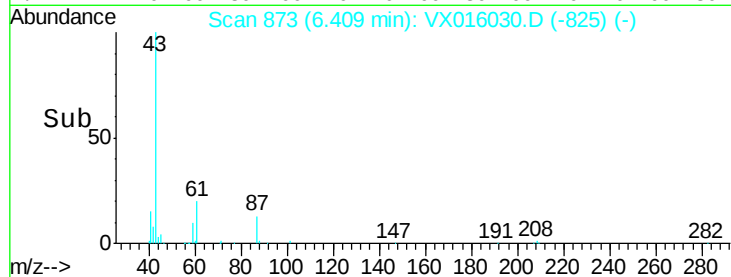
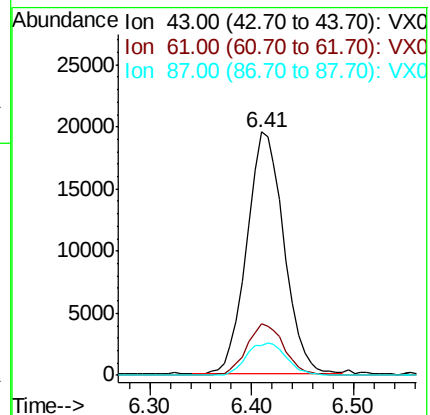
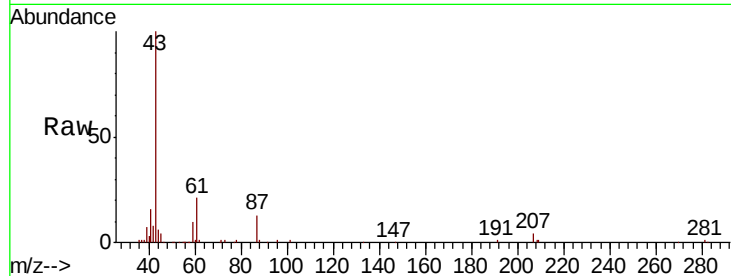
Tot Ion: 43 Resp: 48956

Ion Ratio Lower Upper

43 100

61 21.6 17.0 25.4

87 14.6 11.0 16.6



#44

Trichloroethene

Concen: 5.353 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016030.D

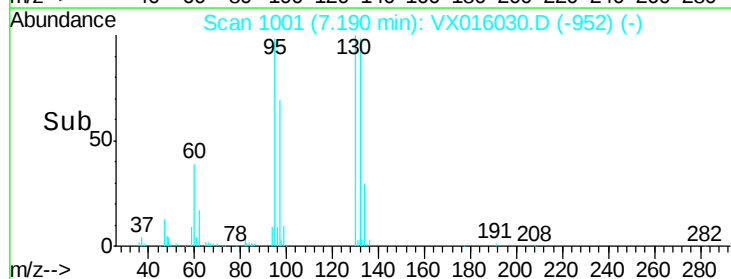
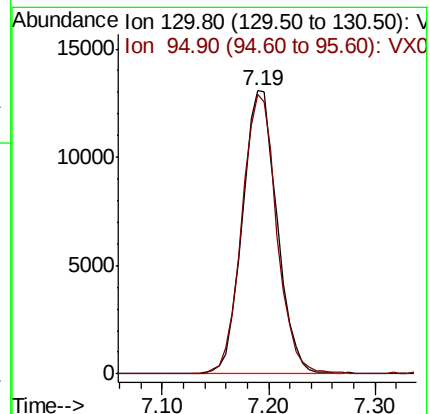
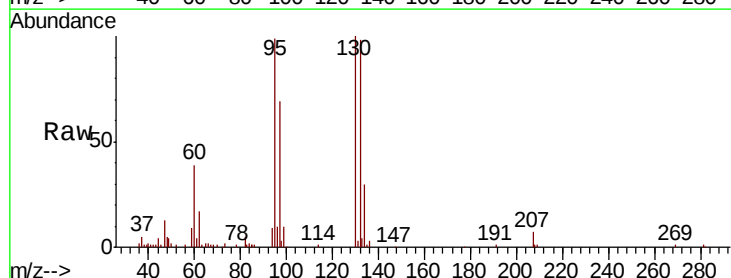
Acq: 04 May 2020 12:02

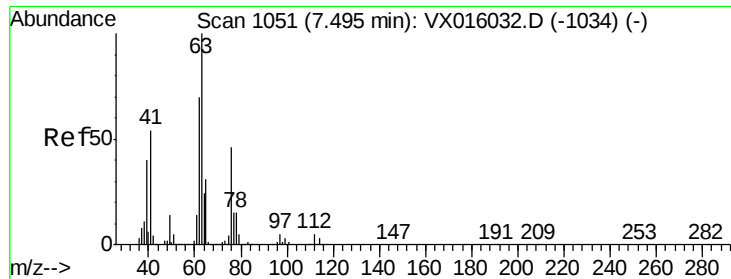
Tgt Ion: 130 Resp: 29984

Ion Ratio Lower Upper

130 100

95 98.8 0.0 197.4





#45

1,2-Dichloropropane

Concen: 5.297 ug/l

RT: 7.49 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

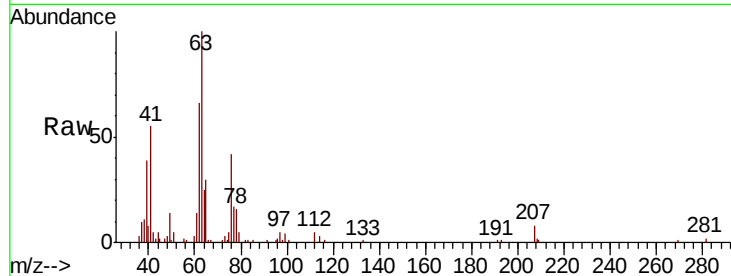
VSTDIC005

Tot Ion: 63 Resp: 20149

Ion Ratio Lower Upper

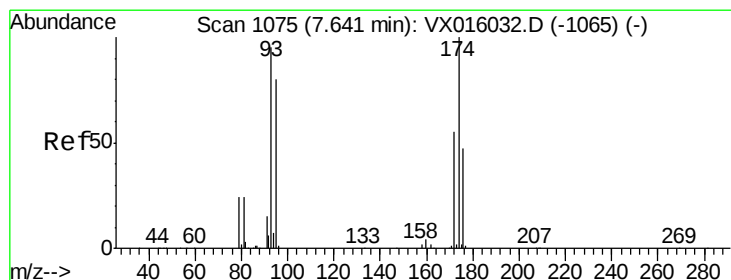
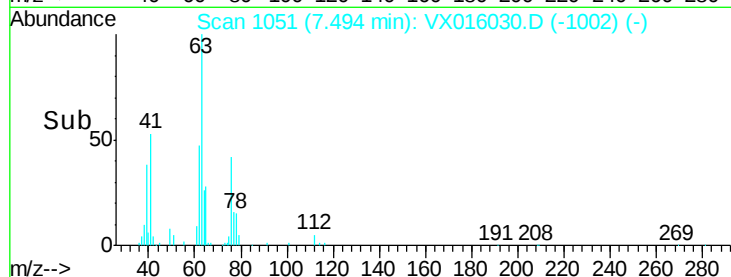
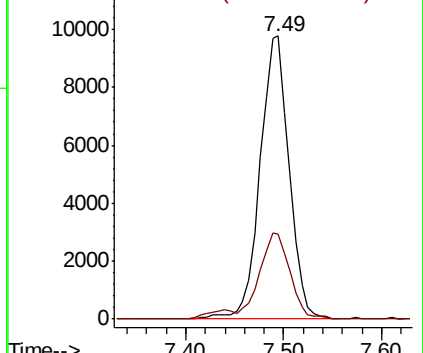
63 100

65 30.0 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 5.128 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

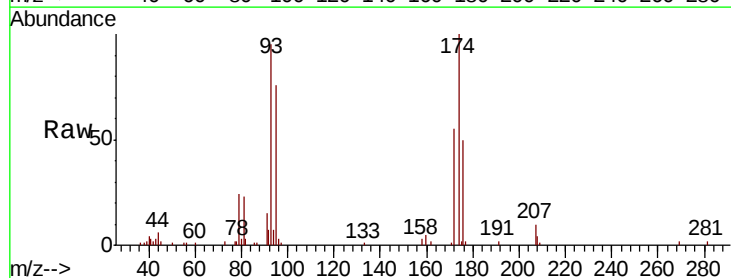
Tgt Ion: 93 Resp: 13263

Ion Ratio Lower Upper

93 100

95 82.9 66.6 100.0

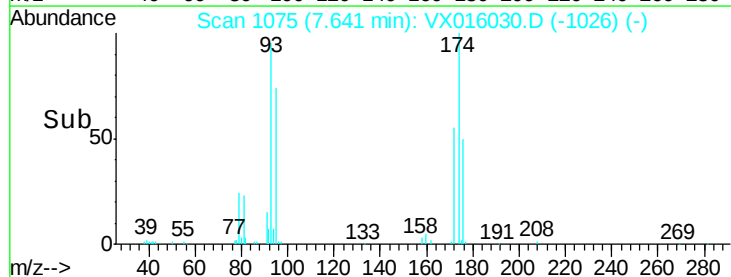
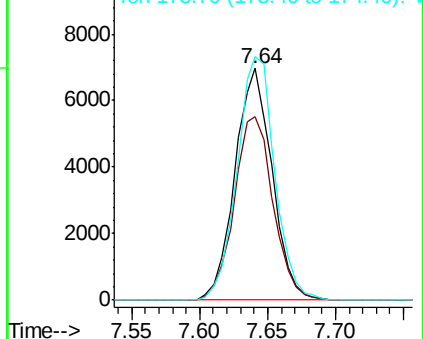
174 106.7 84.2 126.4

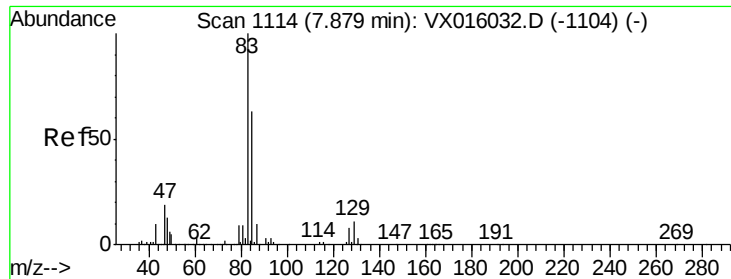


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 5.241 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

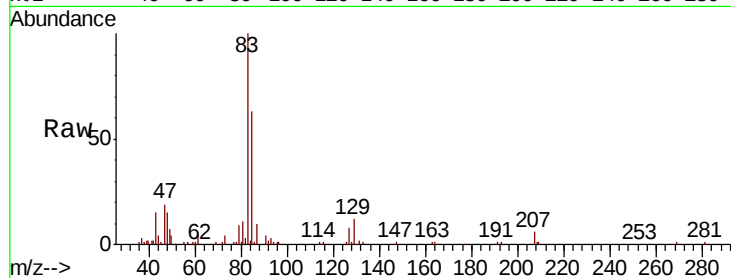
Tot Ion: 83 Resp: 27219

Ion Ratio Lower Upper

83 100

85 62.8 50.5 75.7

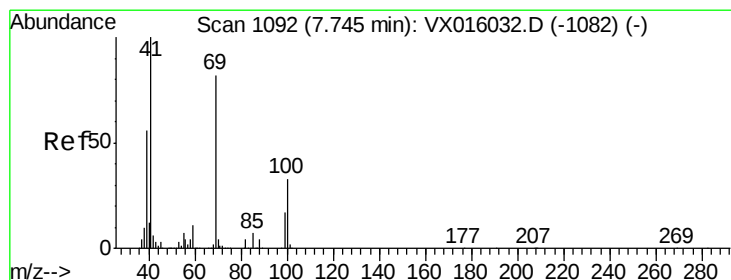
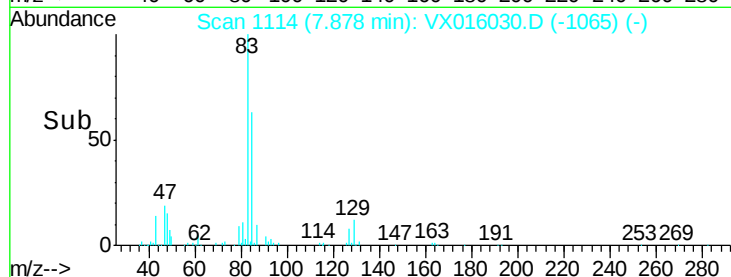
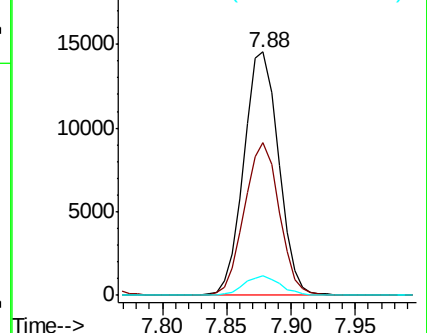
127 8.2 6.7 10.1



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: 5.059 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

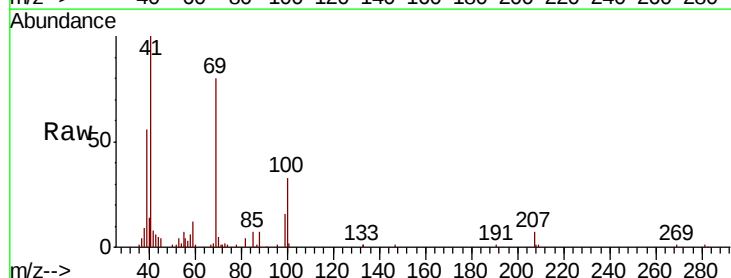
Tgt Ion: 41 Resp: 22324

Ion Ratio Lower Upper

41 100

69 86.7 67.8 101.6

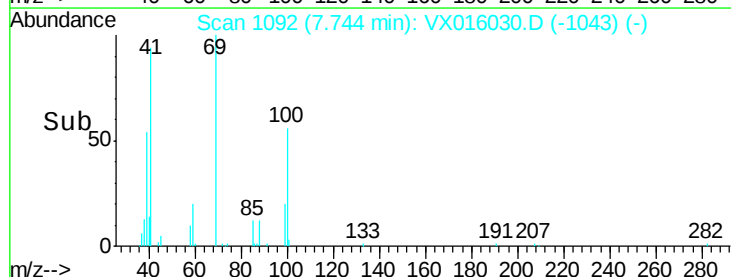
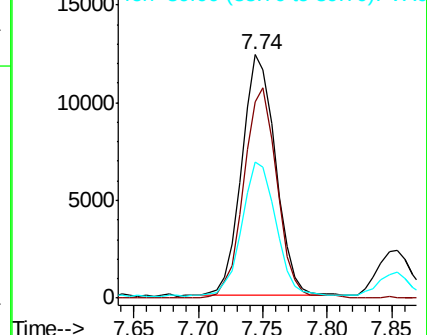
39 57.4 44.6 67.0

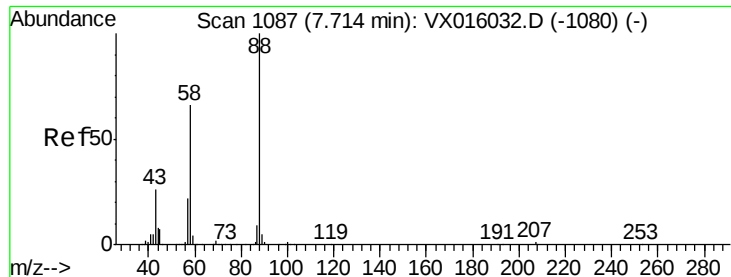


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 102.737 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

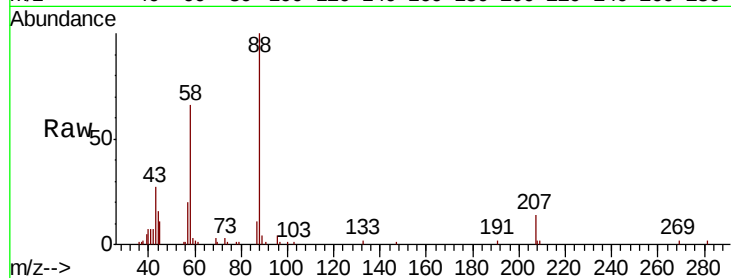
Tot Ion: 88 Resp: 10966

Ion Ratio Lower Upper

88 100

43 33.1 25.3 37.9

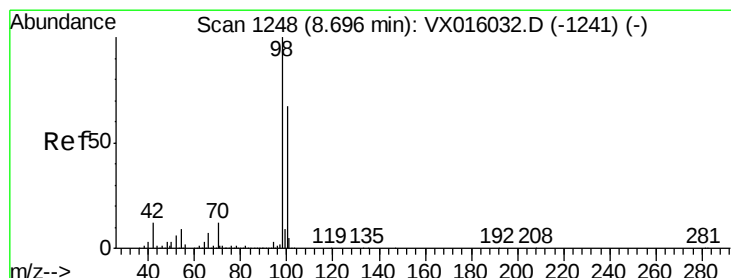
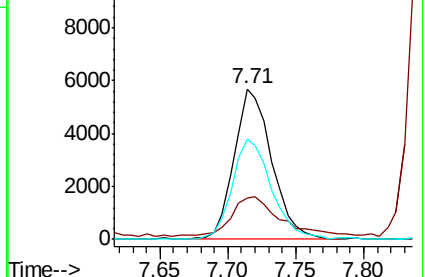
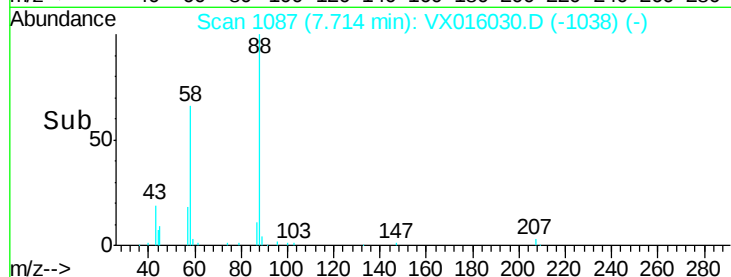
58 69.4 55.9 83.9



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: 4.764 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016030.D

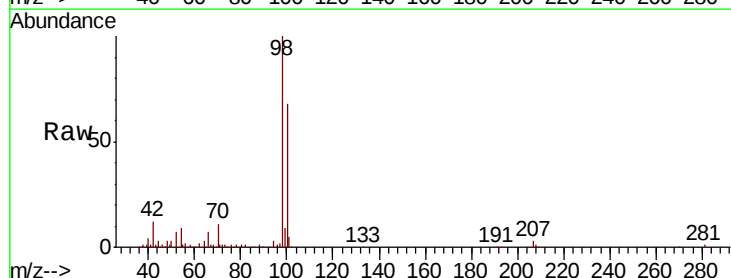
Acq: 04 May 2020 12:02

Tgt Ion: 98 Resp: 65070

Ion Ratio Lower Upper

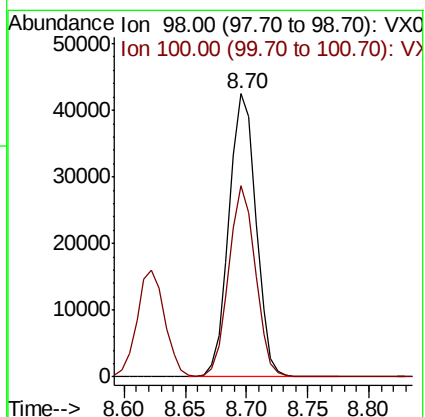
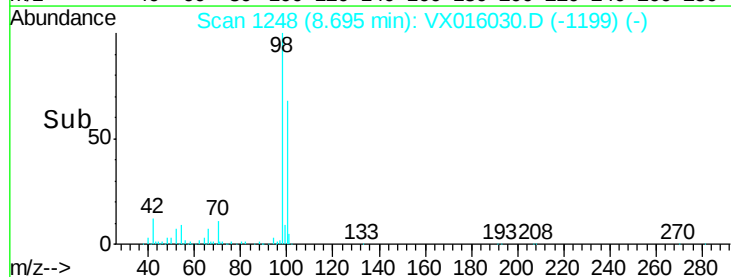
98 100

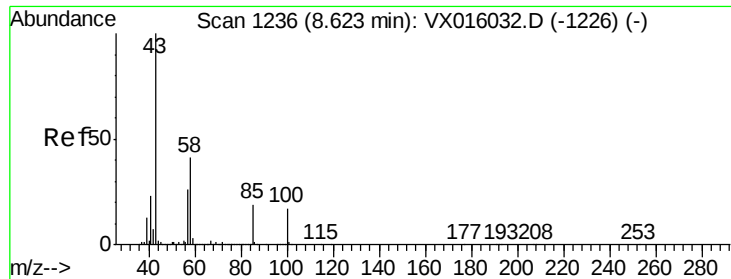
100 66.7 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

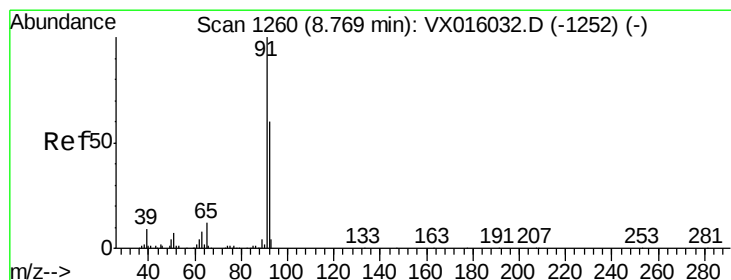
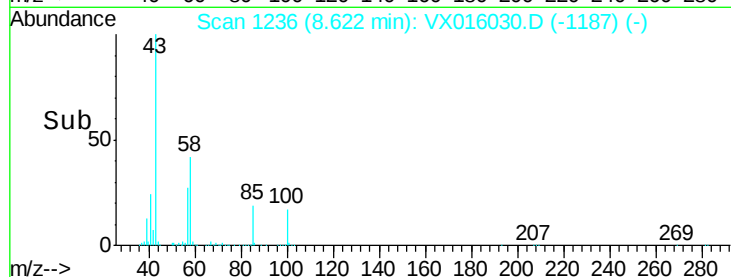
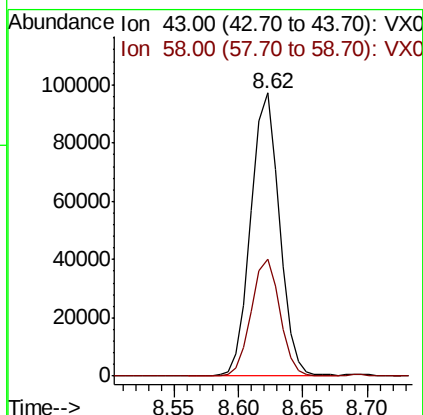
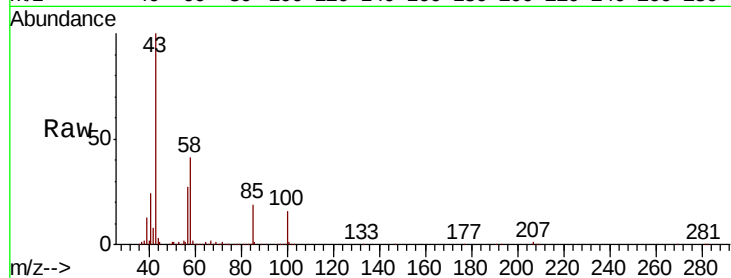




#51
4-Methyl-2-Pentanone
Concen: 25.987 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX016030.D
Acq: 04 May 2020 12:02

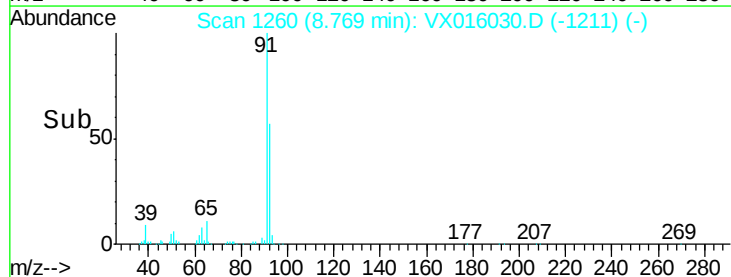
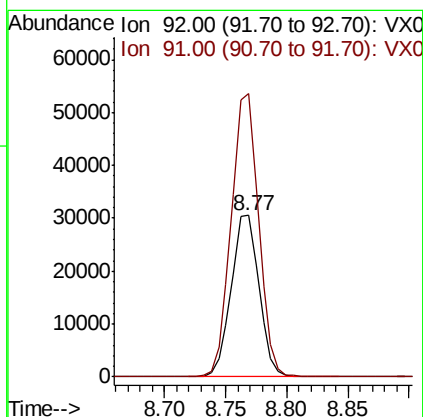
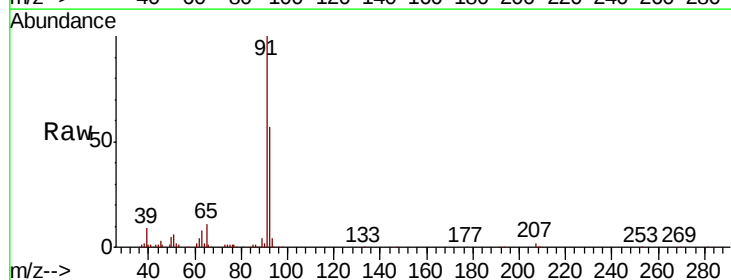
Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

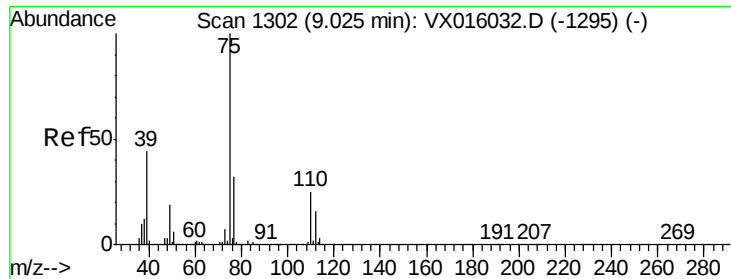
Tot Ion: 43 Resp: 148387
Ion Ratio Lower Upper
43 100
58 41.5 33.0 49.4



#52
Toluene
Concen: 5.149 ug/l
RT: 8.77 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VX016030.D
Acq: 04 May 2020 12:02

Tgt Ion: 92 Resp: 48054
Ion Ratio Lower Upper
92 100
91 172.9 134.5 201.7

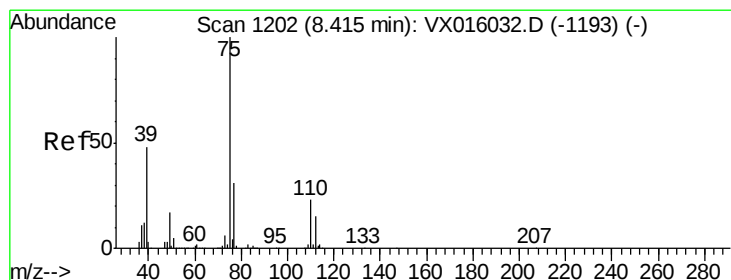
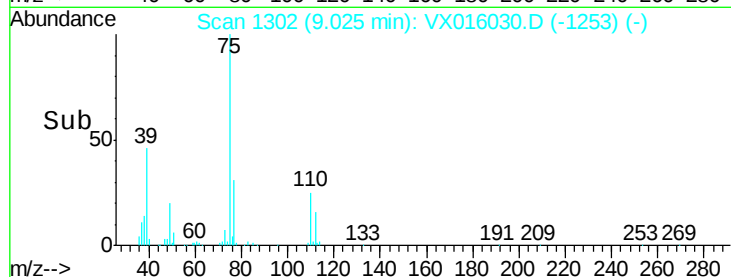
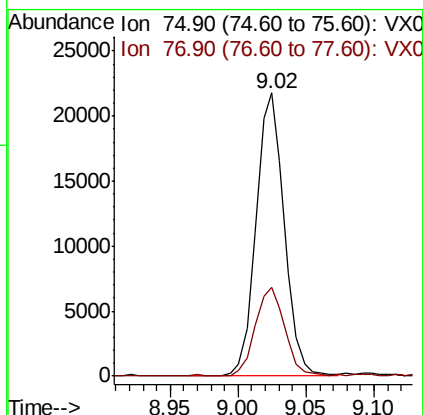
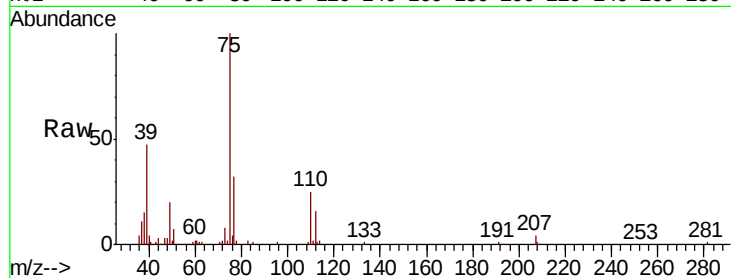




#53
 t-1,3-Dichloropropene
 Concen: 5.114 ug/l
 RT: 9.02 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: VX016030.D
 Acq: 04 May 2020 12:02

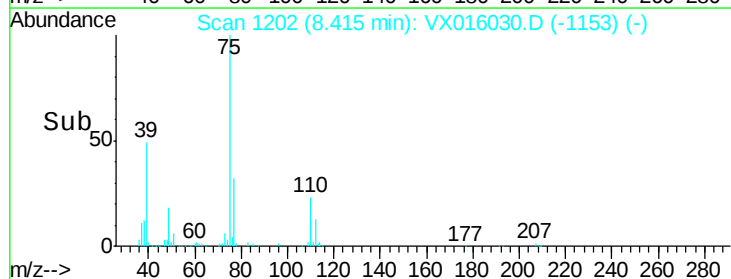
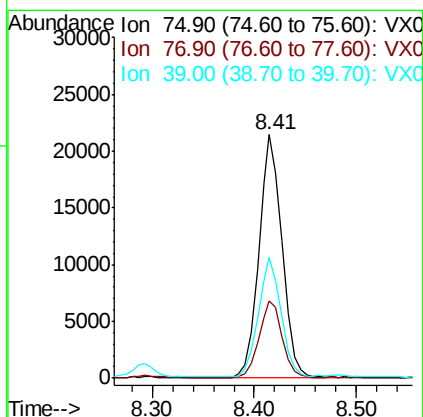
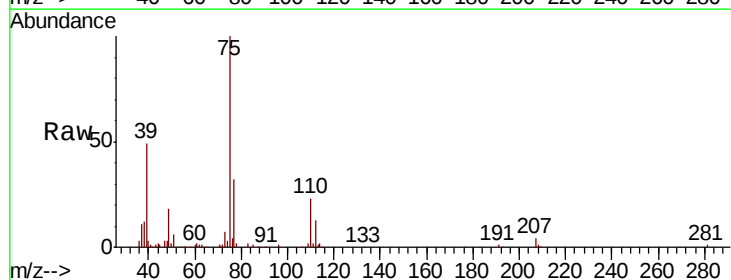
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

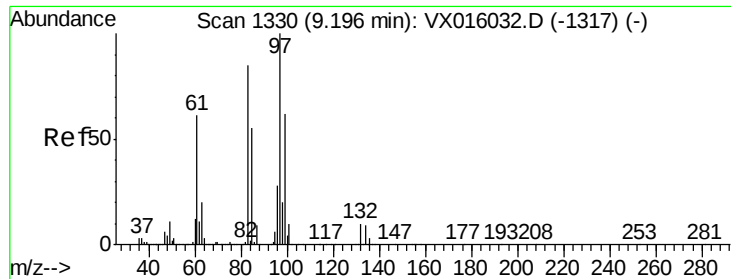
Tot Ion: 75 Resp: 31775
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.7 38.5



#54
 cis-1,3-Dichloropropene
 Concen: 5.220 ug/l
 RT: 8.41 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VX016030.D
 Acq: 04 May 2020 12:02

Tgt Ion: 75 Resp: 34079
 Ion Ratio Lower Upper
 75 100
 77 32.0 24.7 37.1
 39 48.9 38.7 58.1

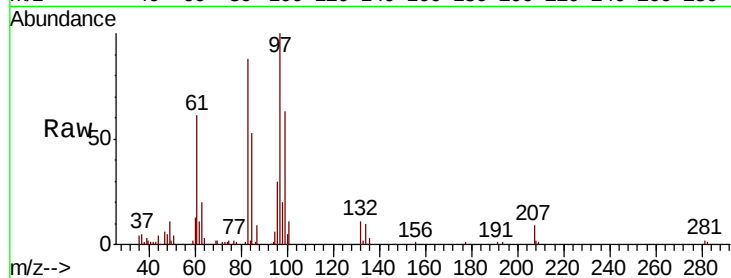




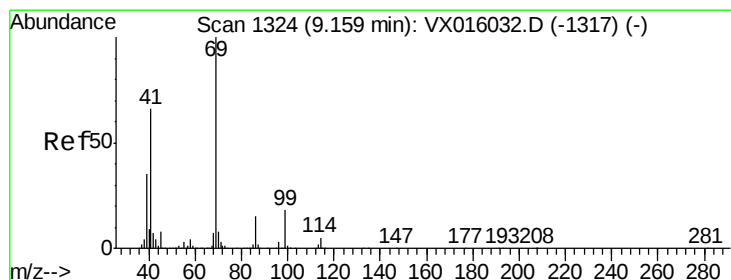
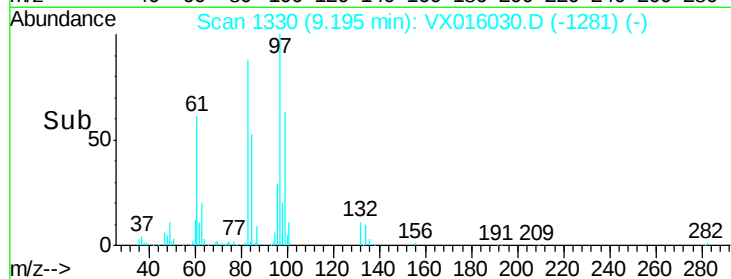
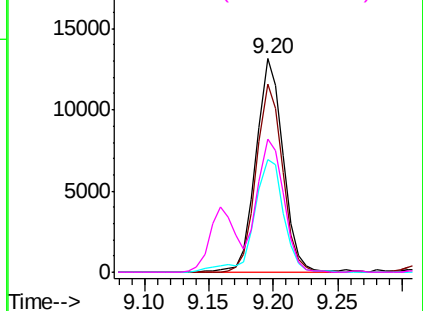
#55
 1,1,2-Trichloroethane
 Concen: 5.244 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX016030.D
 Acq: 04 May 2020 12:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	19124
Ion	Ratio	Lower	Upper
97	100		
83	88.3	67.8	101.8
85	52.9	43.8	65.8
99	62.5	49.4	74.0

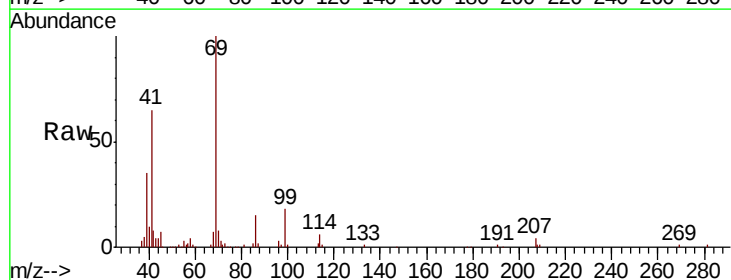


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

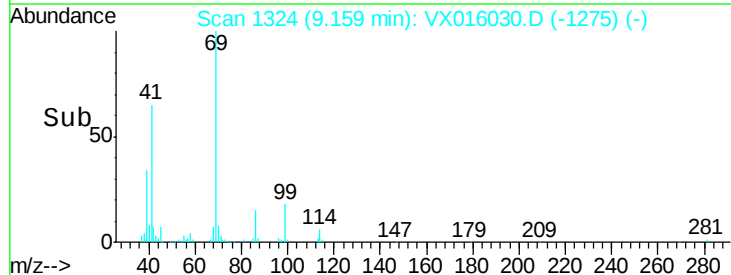
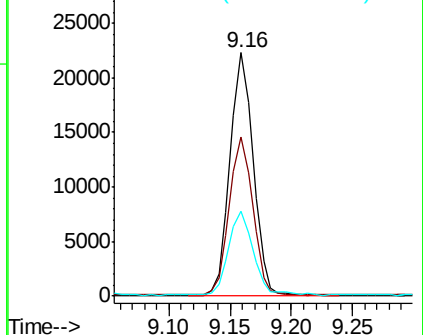


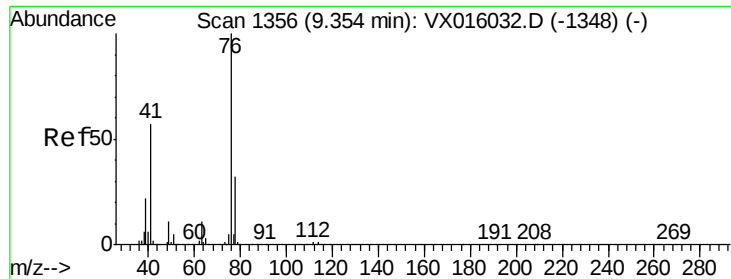
#56
 Ethyl methacrylate
 Concen: 5.124 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX016030.D
 Acq: 04 May 2020 12:02

Tgt Ion:	69	Resp:	29562
Ion	Ratio	Lower	Upper
69	100		
41	65.4	52.2	78.4
39	36.6	28.2	42.4



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: 5.208 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

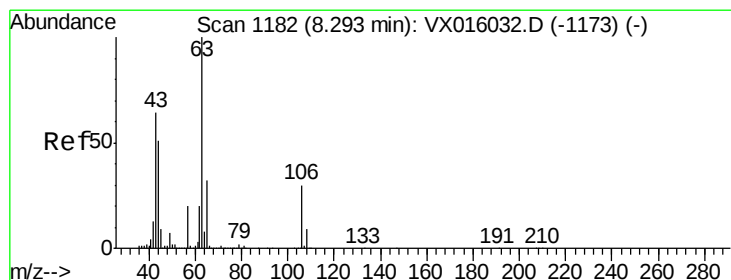
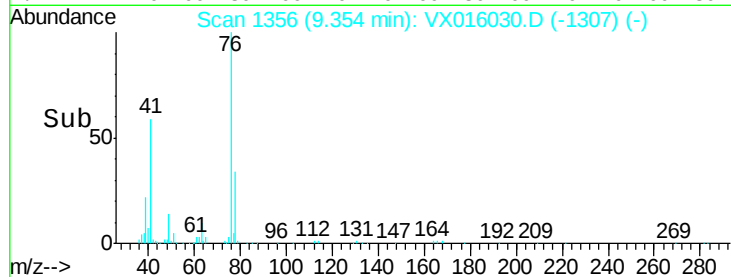
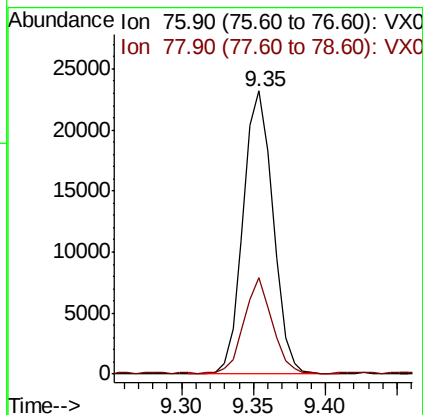
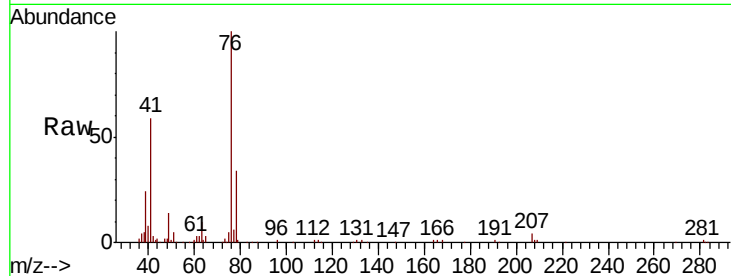
VSTDIC005

Tot Ion: 76 Resp: 33474

Ion Ratio Lower Upper

76 100

78 31.5 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 25.041 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VX016030.D

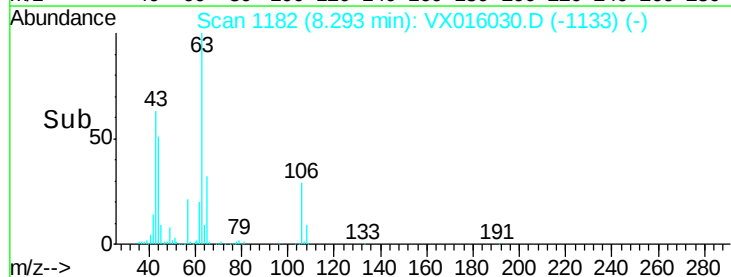
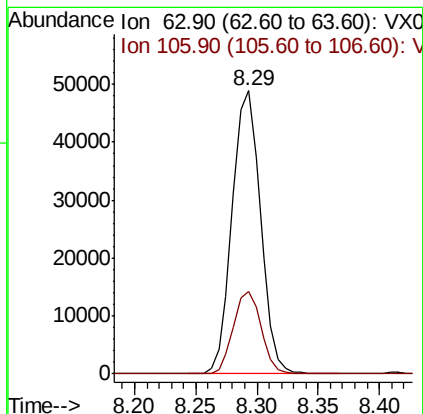
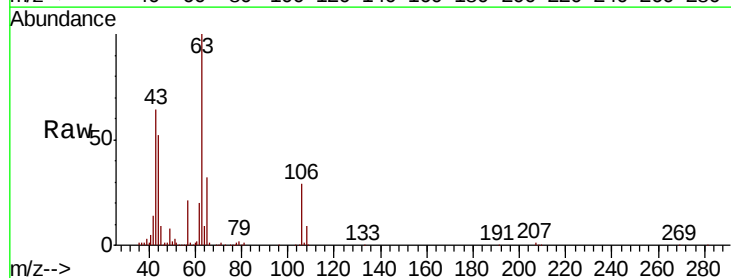
Acq: 04 May 2020 12:02

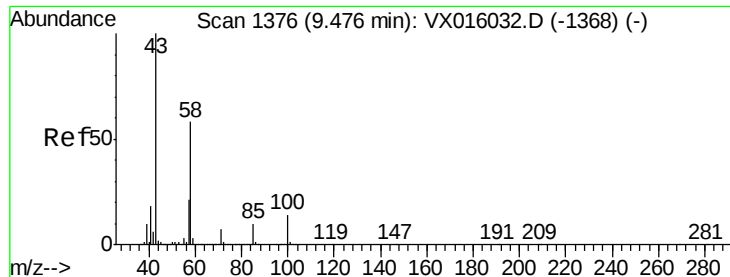
Tgt Ion: 63 Resp: 78704

Ion Ratio Lower Upper

63 100

106 28.6 23.4 35.2

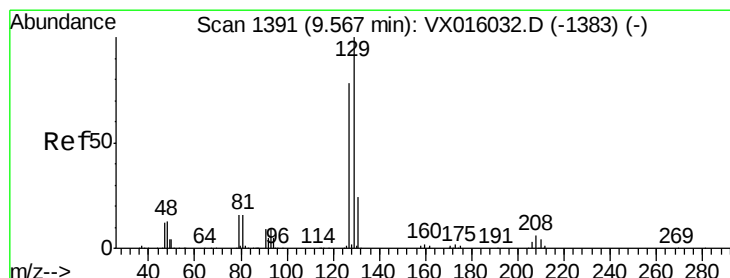
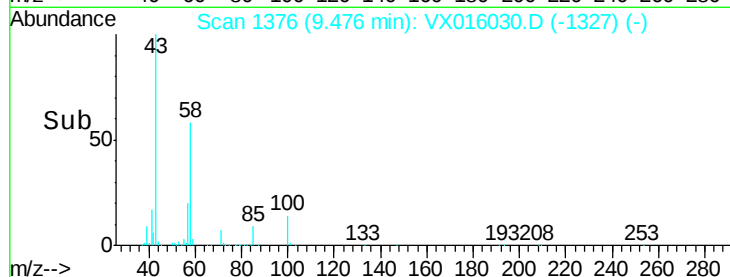
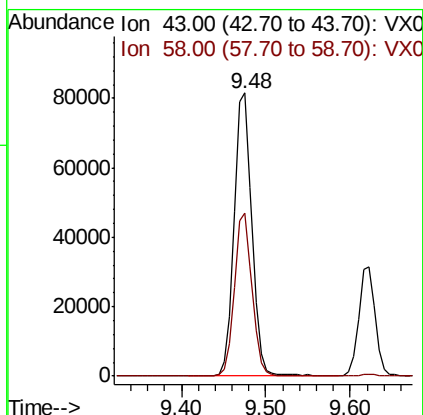
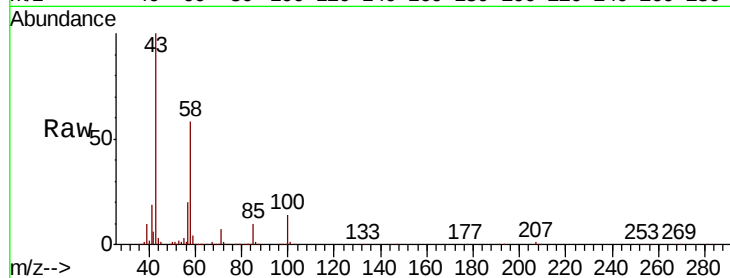




#59
2-Hexanone
Concen: 25.927 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX016030.D
Acq: 04 May 2020 12:02

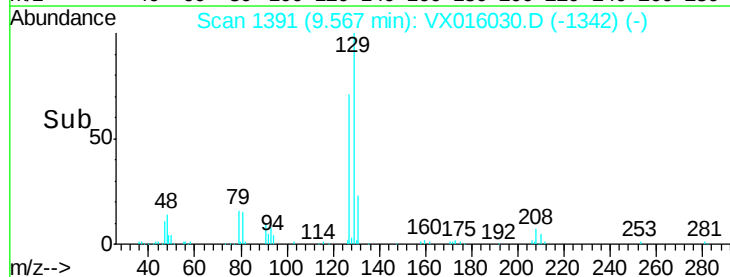
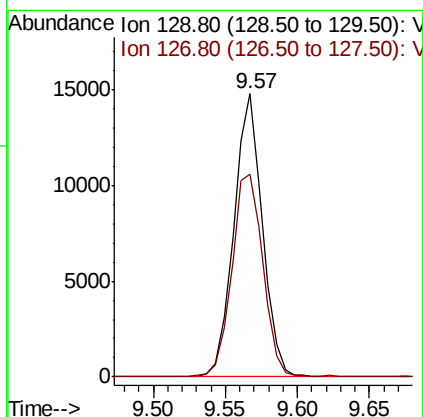
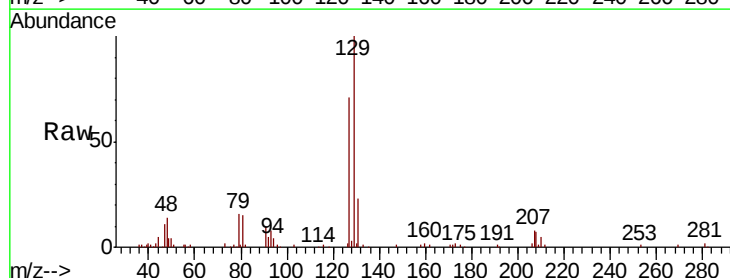
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

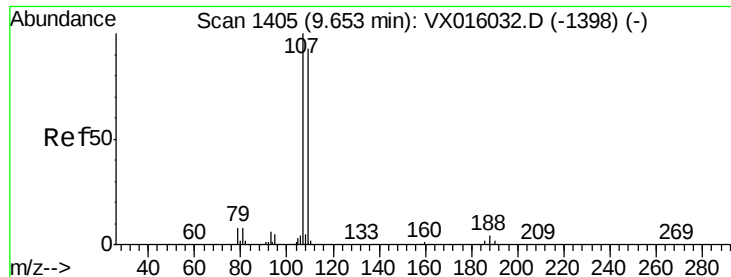
Tot Ion: 43 Resp: 116018
Ion Ratio Lower Upper
43 100
58 56.9 28.6 85.9



#60
Dibromochloromethane
Concen: 5.190 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX016030.D
Acq: 04 May 2020 12:02

Tgt Ion: 129 Resp: 20394
Ion Ratio Lower Upper
129 100
127 78.0 38.4 115.2





#61

1,2-Dibromoethane

Concen: 5.249 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

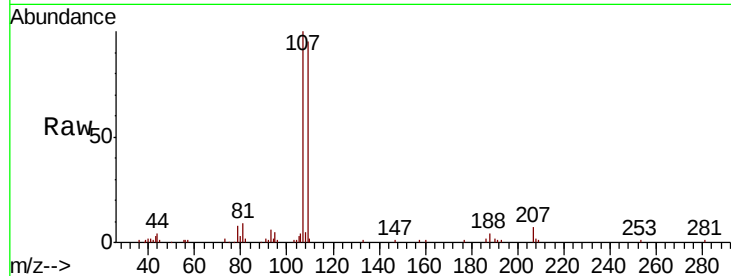
VSTDIC005

Tot Ion:107 Resp: 20701

Ion Ratio Lower Upper

107 100

109 93.1 74.9 112.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.65

15000

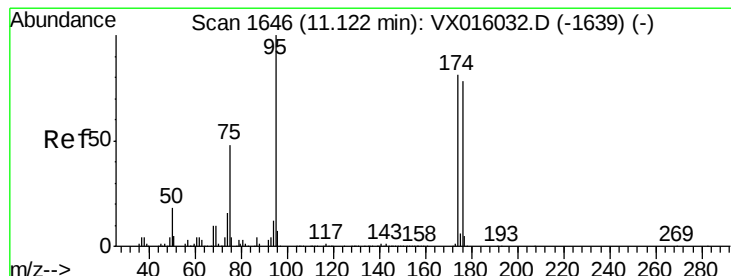
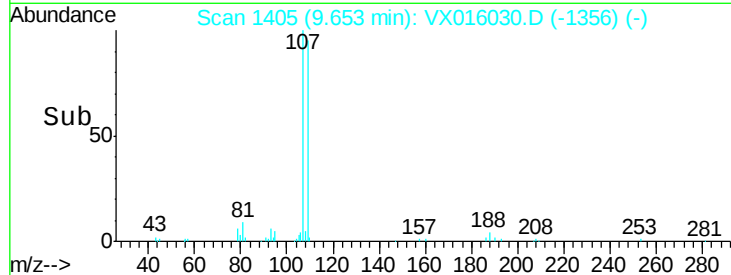
10000

5000

0

Time-->

9.60 9.65 9.70



#62

4-Bromofluorobenzene

Concen: 4.782 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

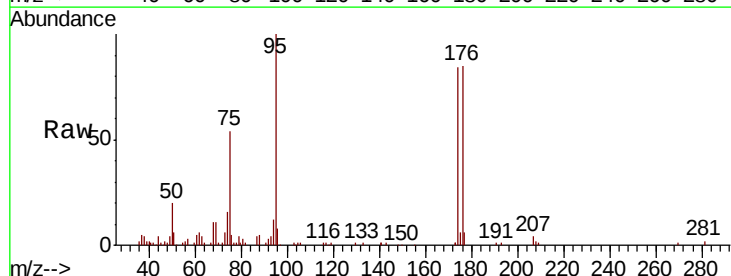
Tgt Ion: 95 Resp: 23444

Ion Ratio Lower Upper

95 100

174 83.0 0.0 159.4

176 82.5 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

25000

20000

15000

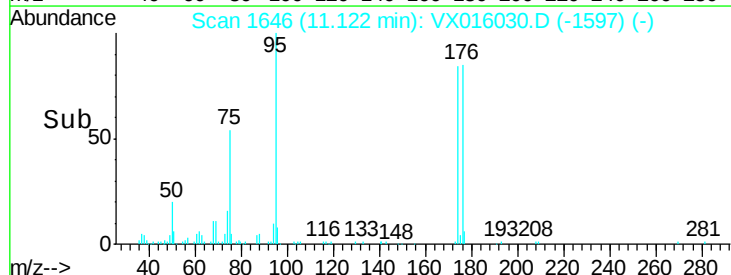
10000

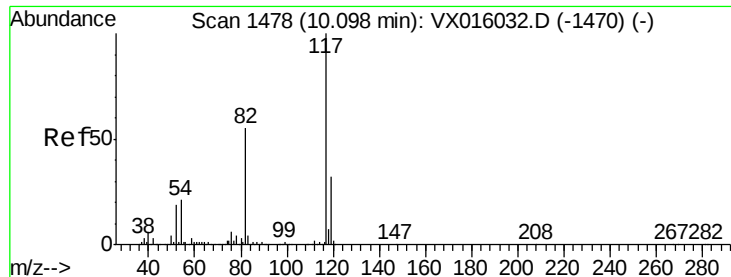
5000

0

Time-->

11.05 11.10 11.15

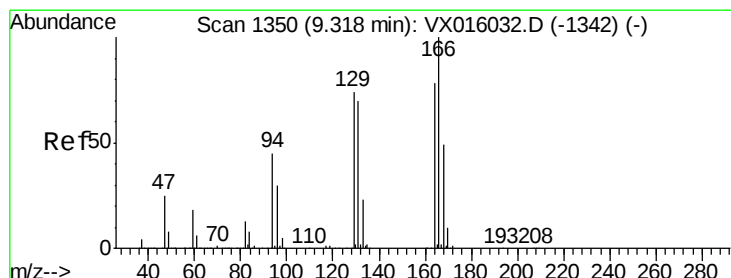
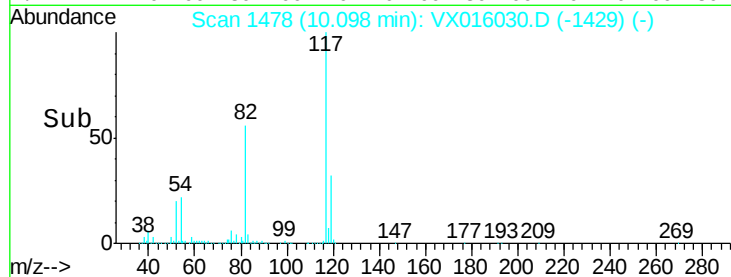
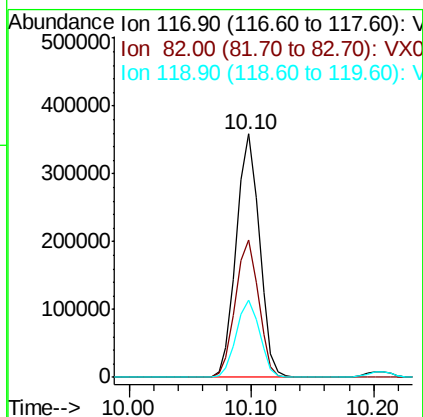
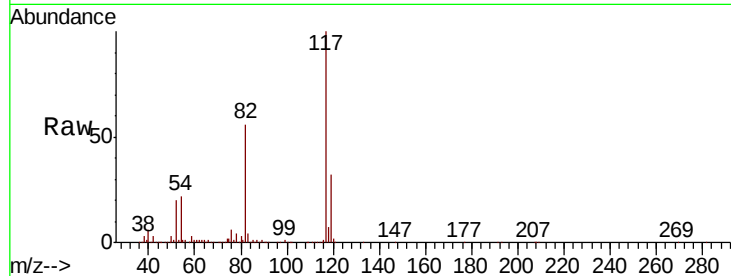




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016030.D
Acq: 04 May 2020 12:02

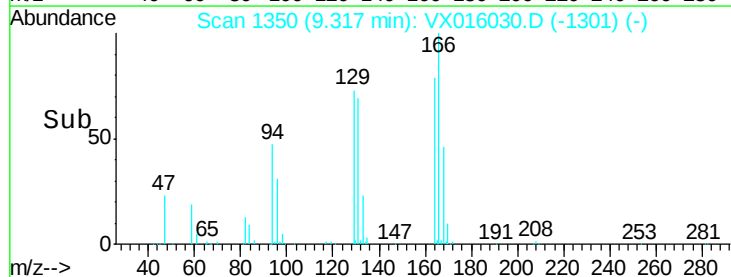
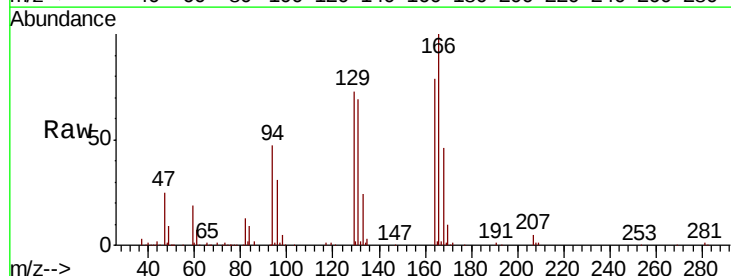
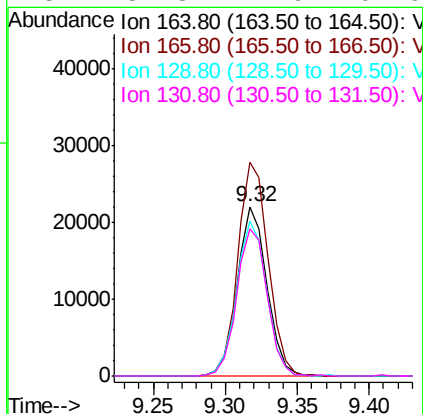
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

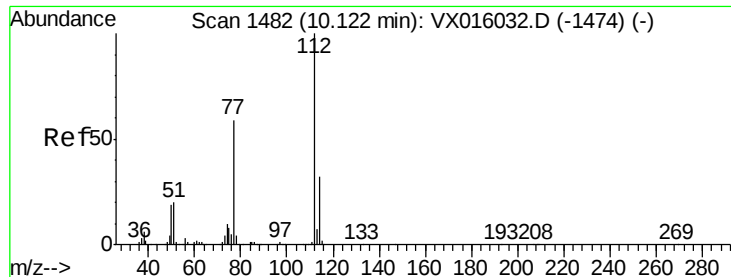
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	44.4	66.6
119	31.8	25.5	38.3



#64
Tetrachloroethene
Concen: 5.269 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016030.D
Acq: 04 May 2020 12:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	102.9	154.3
129	91.7	76.1	114.1
131	87.3	71.9	107.9





#65

Chlorobenzene

Concen: 5.220 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

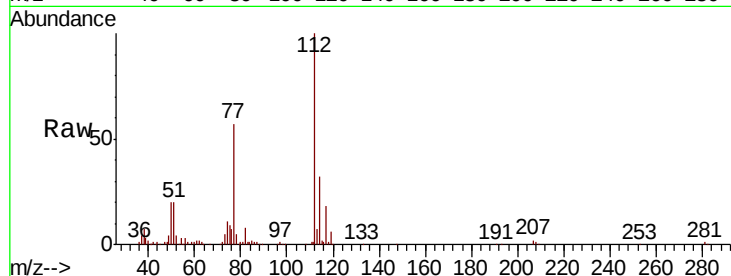
VSTDIC005

Tot Ion:112 Resp: 52029

Ion Ratio Lower Upper

112 100

114 31.5 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.12

40000

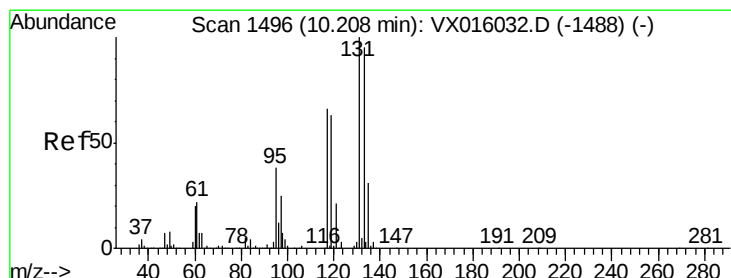
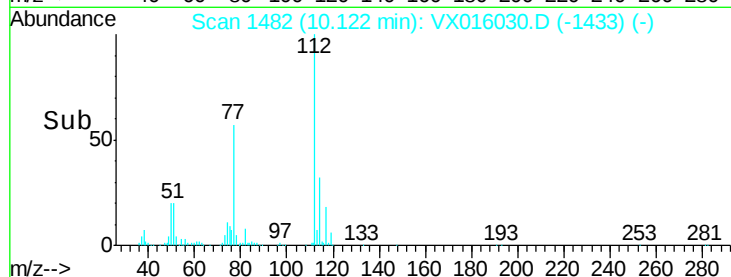
30000

20000

10000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 5.248 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. -0.00 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

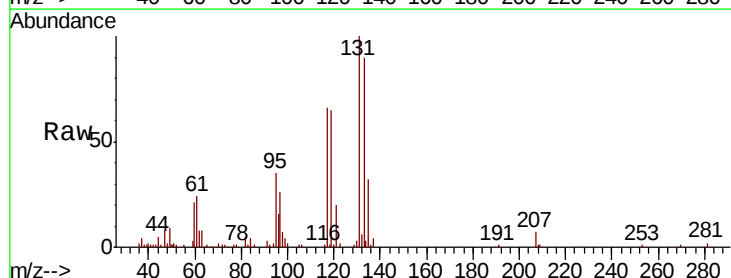
Tgt Ion:131 Resp: 19031

Ion Ratio Lower Upper

131 100

133 92.8 48.3 144.8

119 64.7 32.3 96.9



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.21

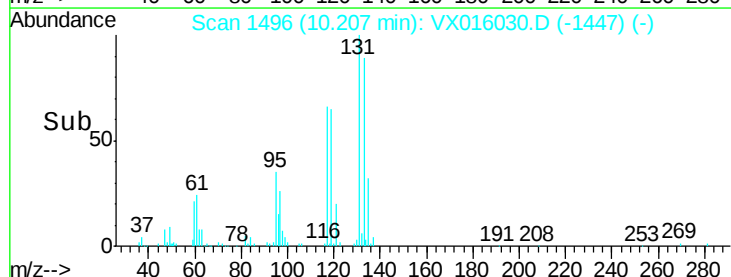
15000

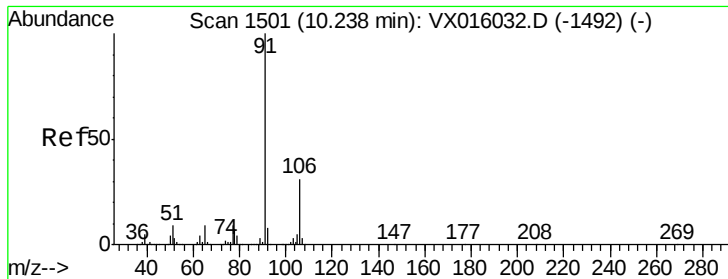
10000

5000

0

Time-->





#67

Ethyl Benzene

Concen: 5.217 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

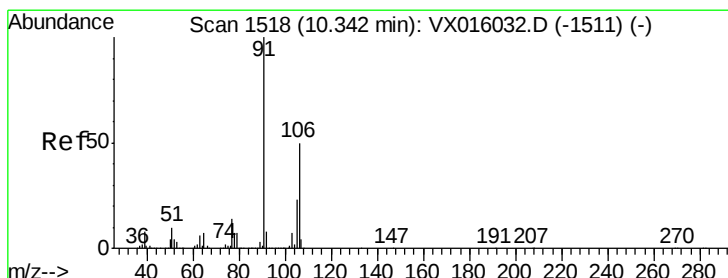
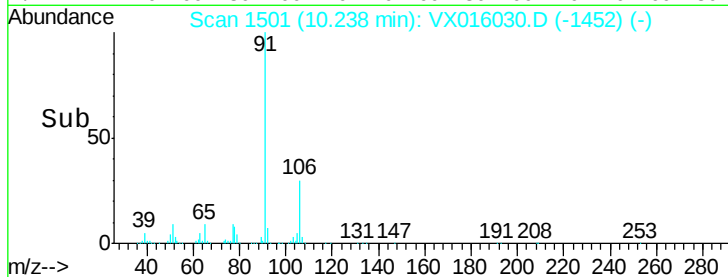
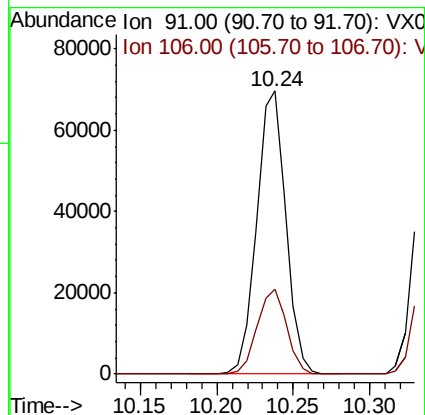
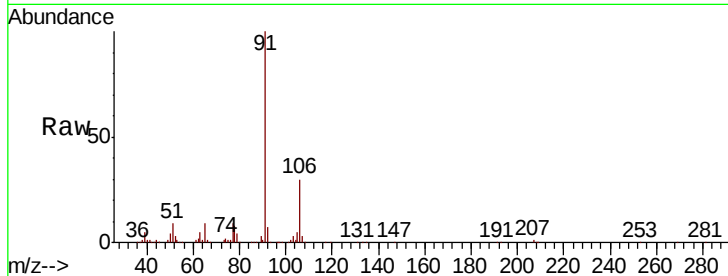
VSTDIC005

Tot Ion: 91 Resp: 92488

Ion Ratio Lower Upper

91 100

106 30.2 25.1 37.7



#68

m/p-Xylenes

Concen: 10.325 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX016030.D

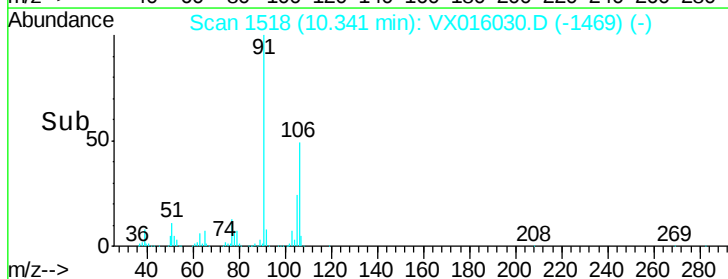
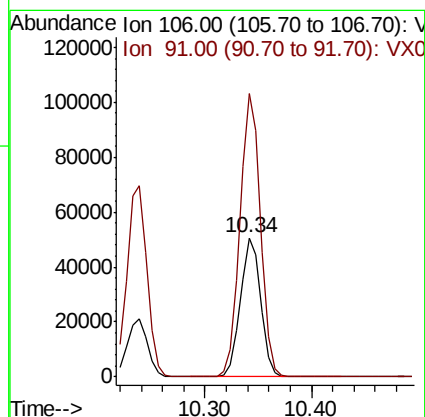
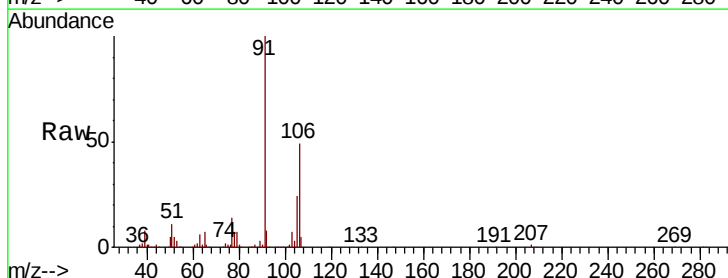
Acq: 04 May 2020 12:02

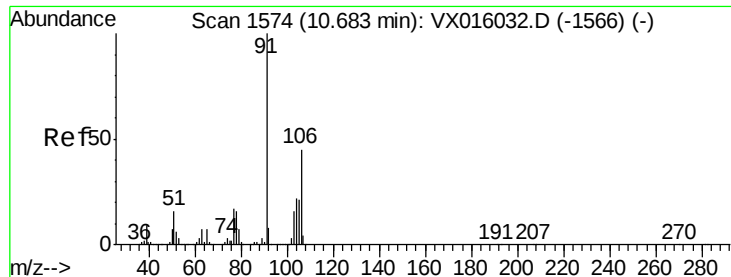
Tgt Ion: 106 Resp: 67990

Ion Ratio Lower Upper

106 100

91 204.9 161.7 242.5

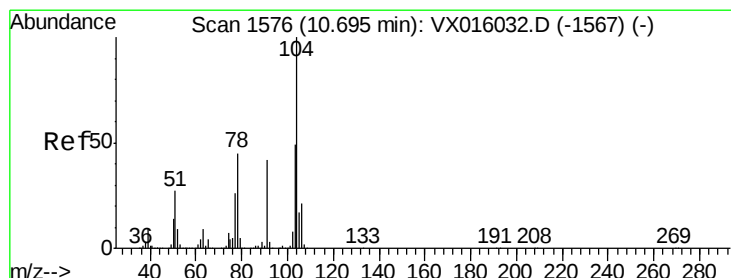
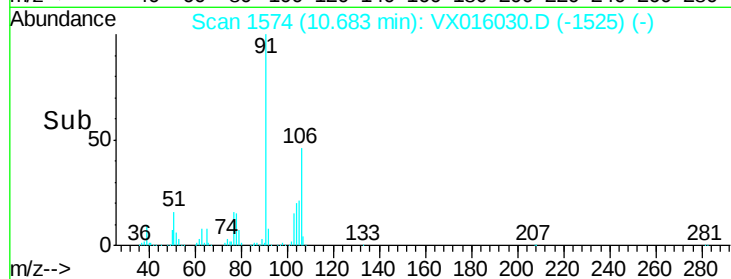
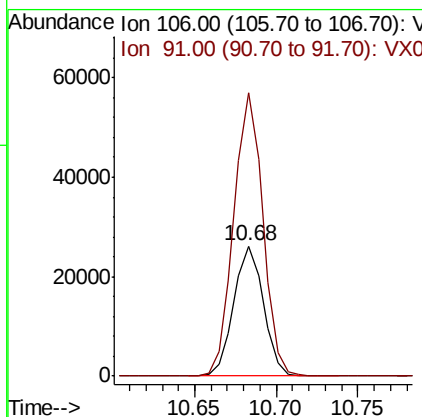
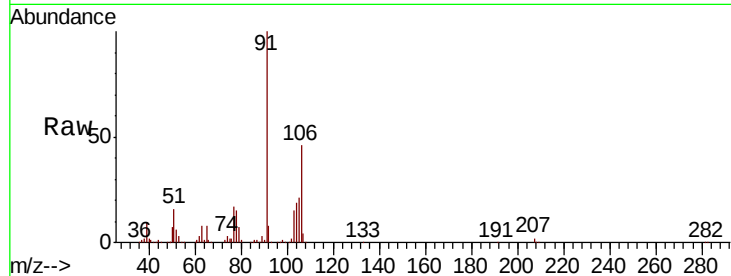




#69
o-Xylene
Concen: 5.282 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016030.D
Acq: 04 May 2020 12:02

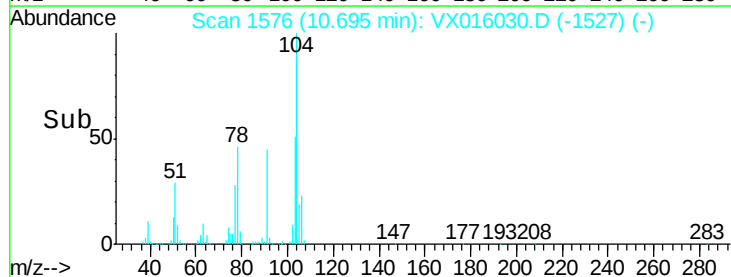
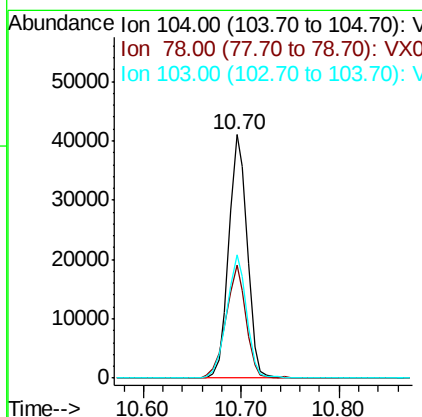
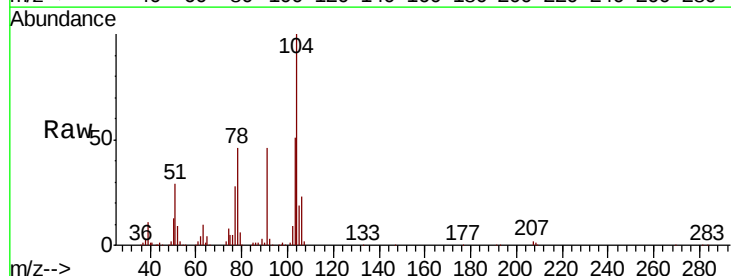
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

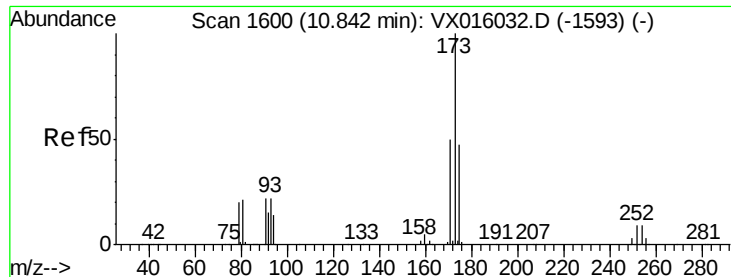
Tot Ion:106 Resp: 33287
Ion Ratio Lower Upper
106 100
91 212.6 107.5 322.6



#70
Styrene
Concen: 5.133 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016030.D
Acq: 04 May 2020 12:02

Tgt Ion:104 Resp: 53849
Ion Ratio Lower Upper
104 100
78 49.6 40.2 60.2
103 54.7 43.0 64.6





#71

Bromoform

Concen: 5.108 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

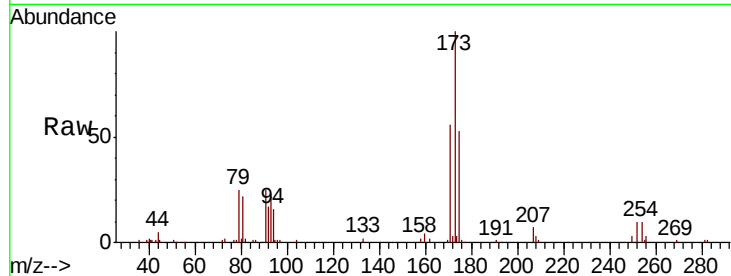
Tot Ion:173 Resp: 14412

Ion Ratio Lower Upper

173 100

175 50.1 24.0 72.0

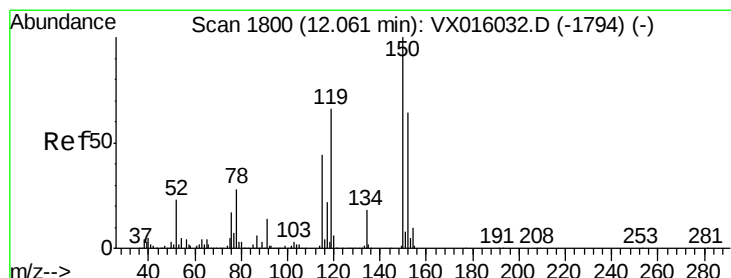
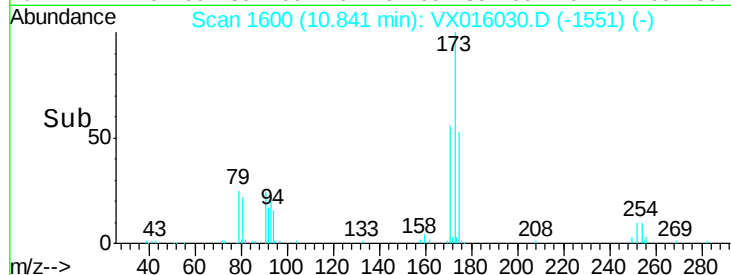
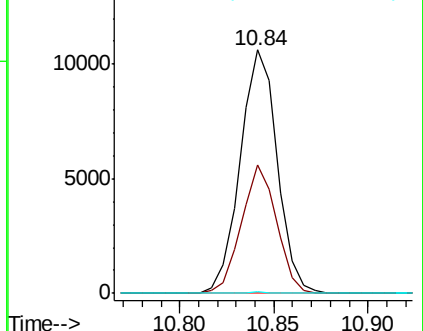
254 0.1 0.1 0.1#



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: VX016030.D

Acq: 04 May 2020 12:02

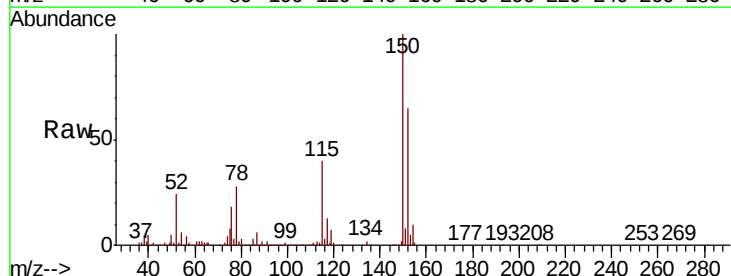
Tgt Ion:152 Resp: 227765

Ion Ratio Lower Upper

152 100

115 61.4 41.3 124.1

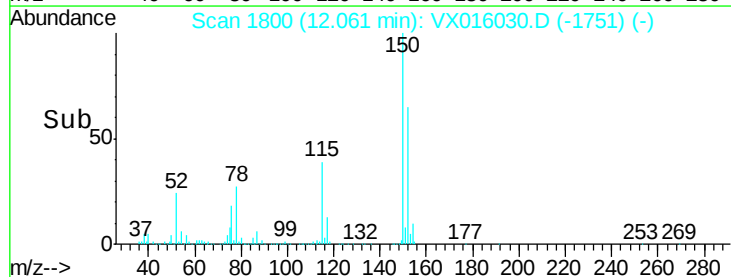
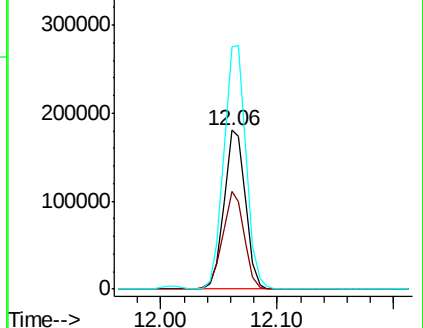
150 159.2 0.0 352.2

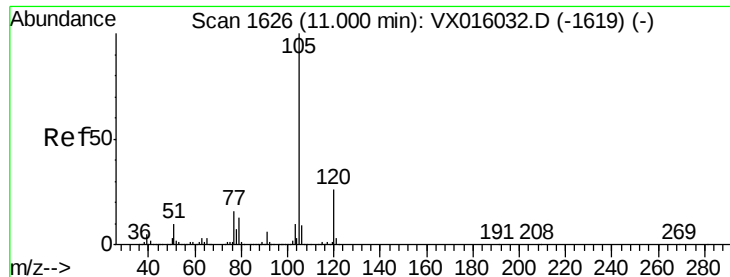


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.323 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

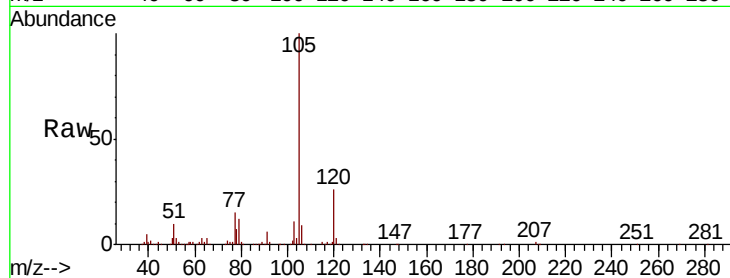
VSTDIC005

Tot Ion: 105 Resp: 90050

Ion Ratio Lower Upper

105 100

120 26.0 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

80000

60000

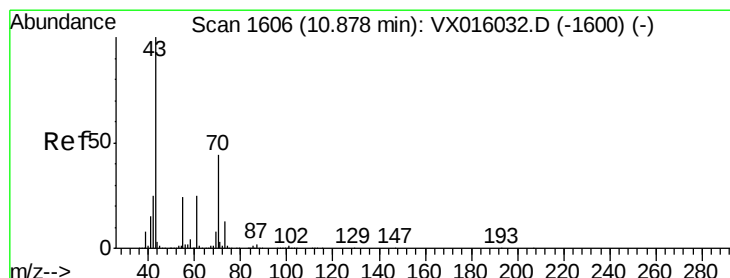
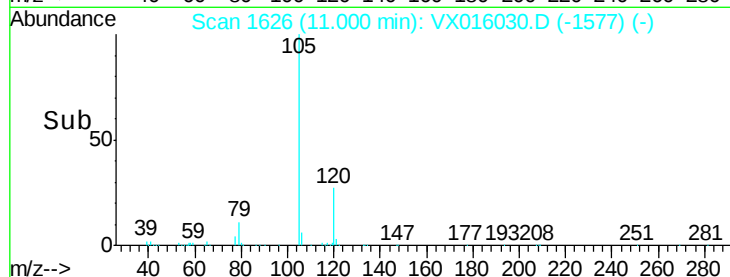
40000

20000

0

10.95 11.00 11.05

Time-->



#74

N-ethyl acetate

Concen: 5.201 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

Tgt Ion: 43 Resp: 40242

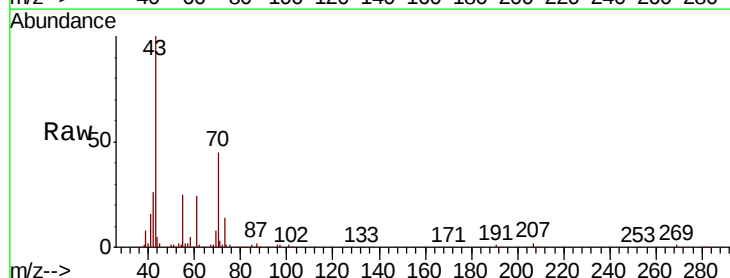
Ion Ratio Lower Upper

43 100

70 44.6 36.5 54.7

55 25.4 19.7 29.5

61 24.9 20.9 31.3



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

50000

40000

30000

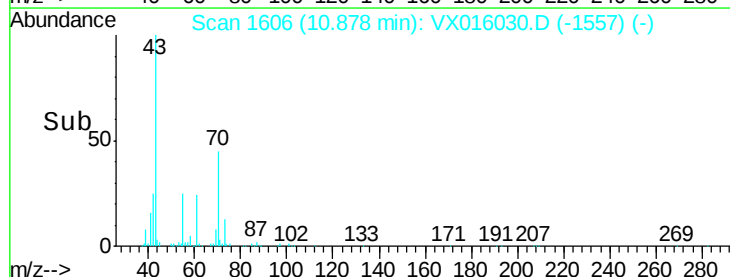
20000

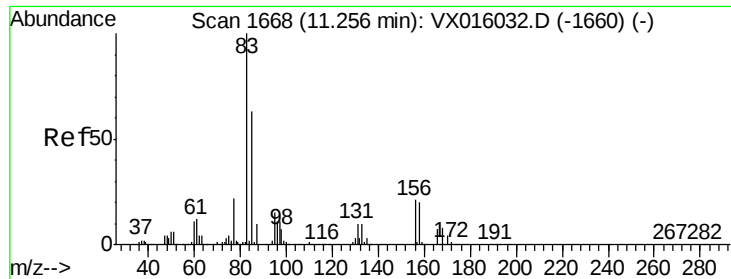
10000

0

10.80 10.90

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 4.768 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. -0.00 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

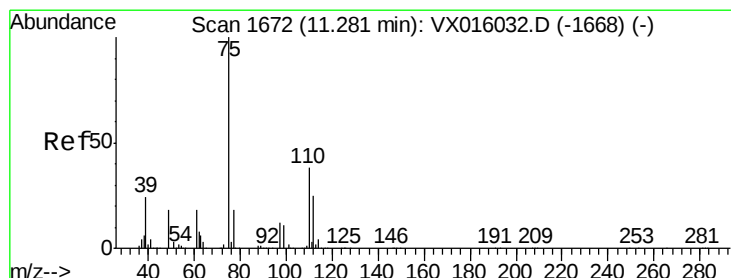
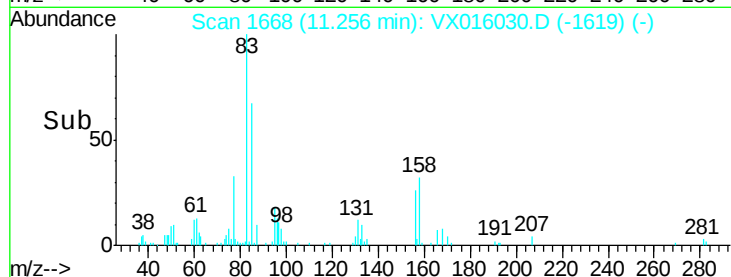
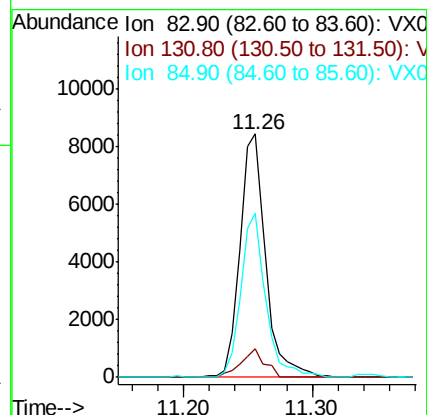
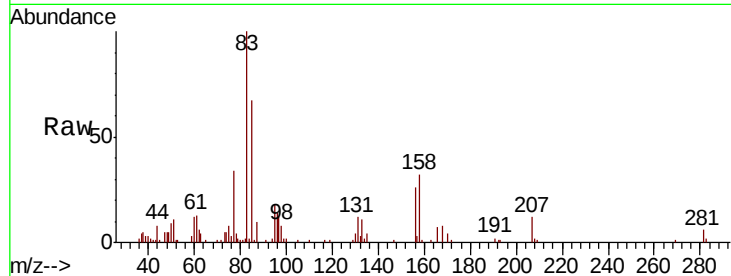
Tot Ion: 83 Resp: 11772

Ion Ratio Lower Upper

83 100

131 10.8 5.1 15.4

85 65.1 32.0 96.0



#76

1,2,3-Trichloropropane

Concen: 5.553 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX016030.D

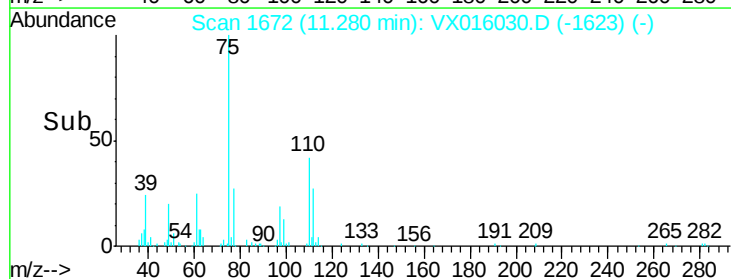
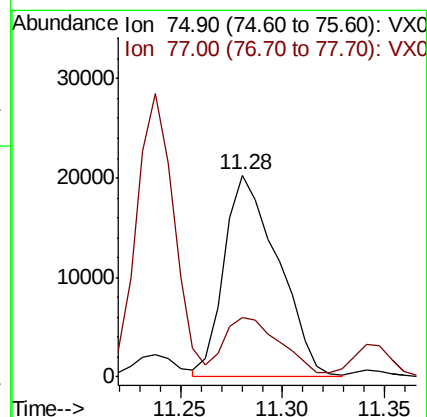
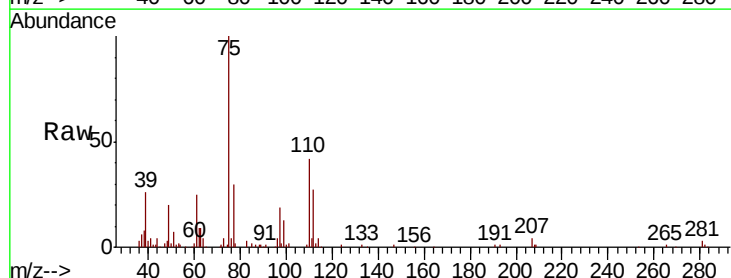
Acq: 04 May 2020 12:02

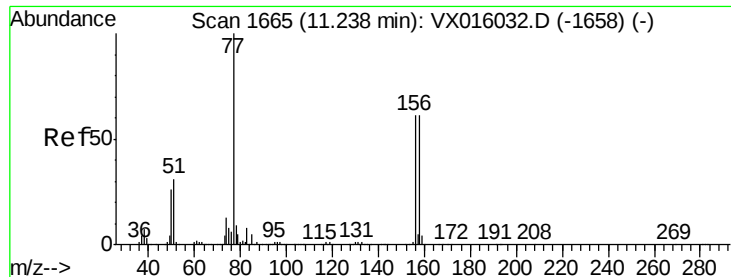
Tgt Ion: 75 Resp: 36951

Ion Ratio Lower Upper

75 100

77 30.8 21.2 63.6





#77

Bromobenzene

Concen: 5.113 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

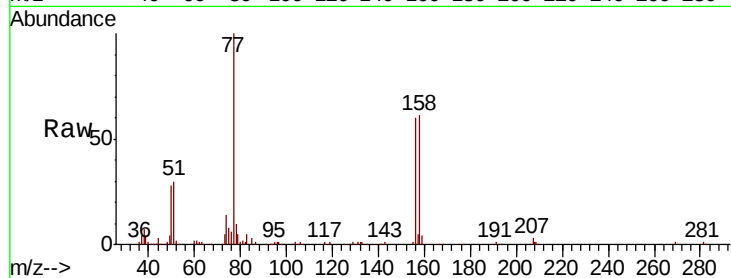
Tot Ion:156 Resp: 22353

Ion Ratio Lower Upper

156 100

77 162.5 80.1 240.3

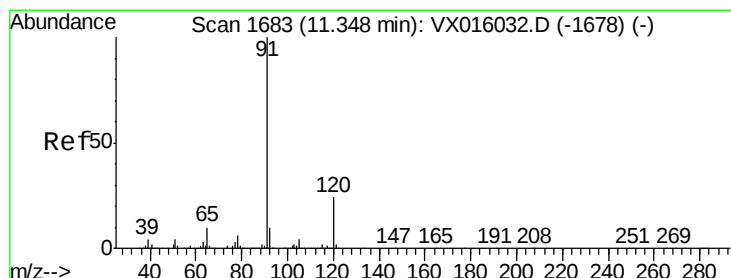
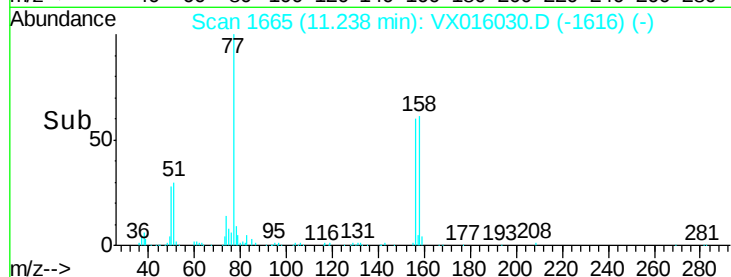
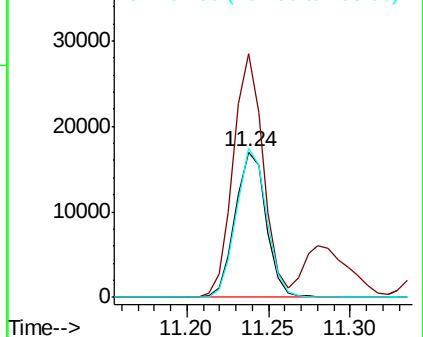
158 101.4 49.4 148.2



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: 5.222 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VX016030.D

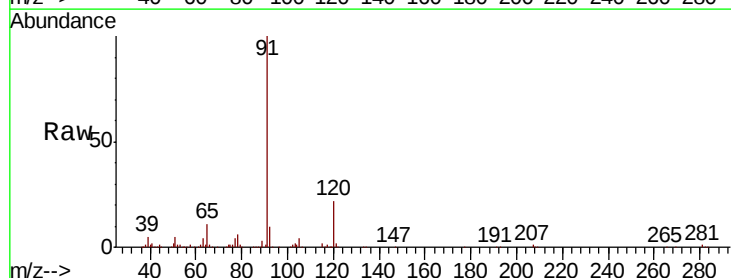
Acq: 04 May 2020 12:02

Tgt Ion: 91 Resp: 102485

Ion Ratio Lower Upper

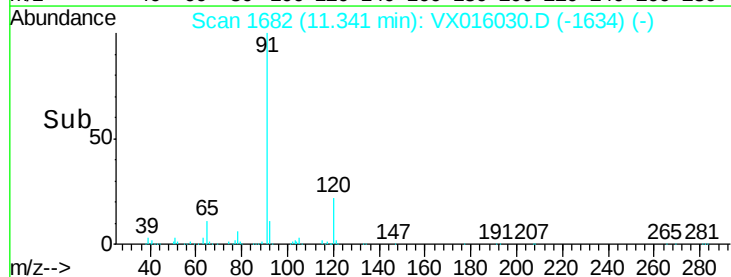
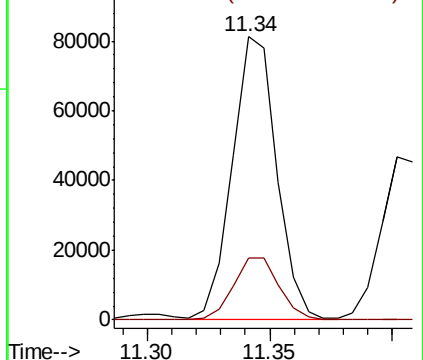
91 100

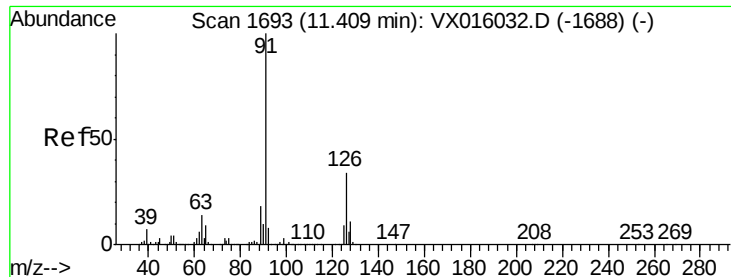
120 22.5 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.309 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.01 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

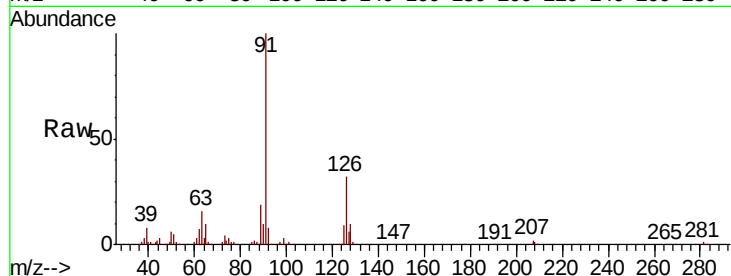
VSTDIC005

Tot Ion: 91 Resp: 61627

Ion Ratio Lower Upper

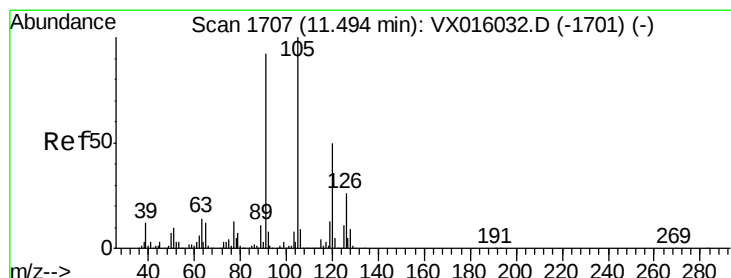
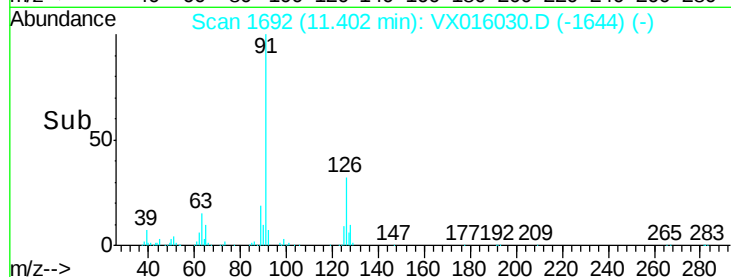
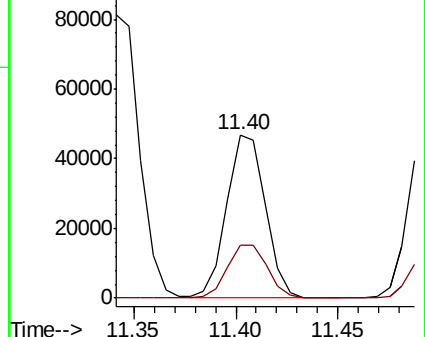
91 100

126 33.4 16.9 50.6



Abundance Ion 91.00 (90.70 to 91.70): VX016030.D (-1688) (-)

Ion 125.90 (125.60 to 126.60): VX016030.D (-1688) (-)



#80

1,3,5-Trimethylbenzene

Concen: 5.171 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX016030.D

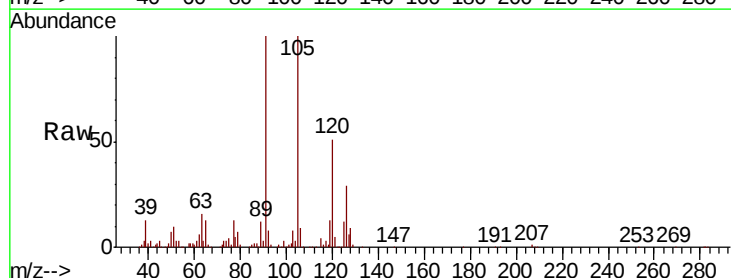
Acq: 04 May 2020 12:02

Tgt Ion: 105 Resp: 72842

Ion Ratio Lower Upper

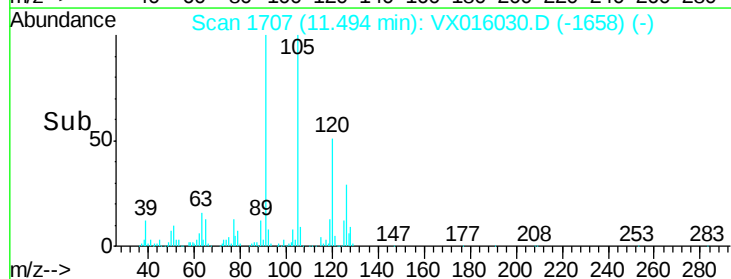
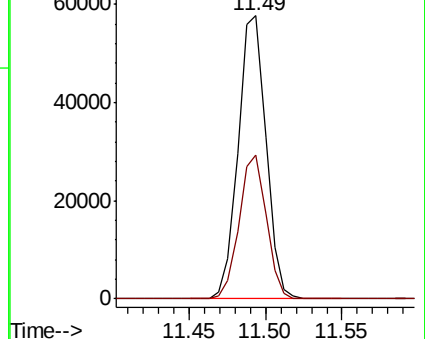
105 100

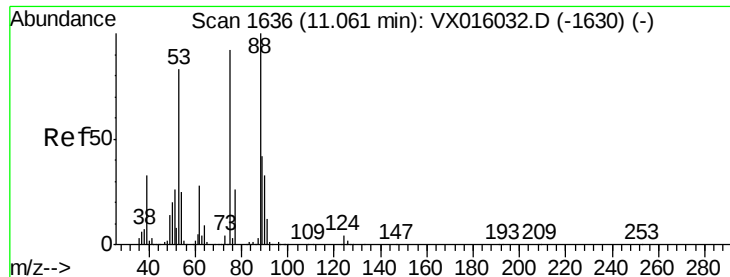
120 49.9 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VX016030.D (-1658) (-)

Ion 120.00 (119.70 to 120.70): VX016030.D (-1658) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 5.239 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

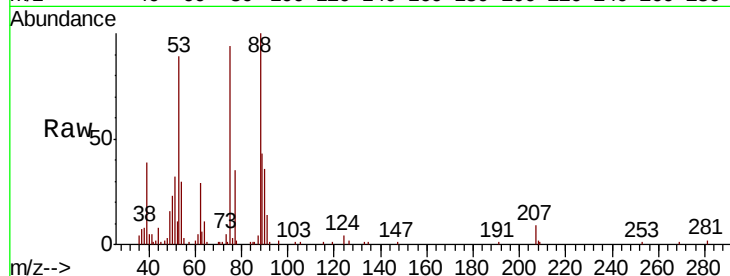
Tot Ion: 75 Resp: 11154

Ion Ratio Lower Upper

75 100

53 96.7 73.1 109.7

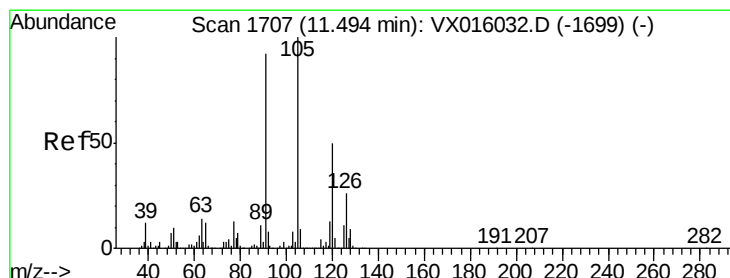
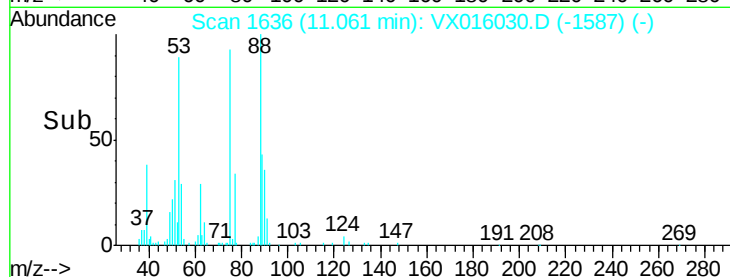
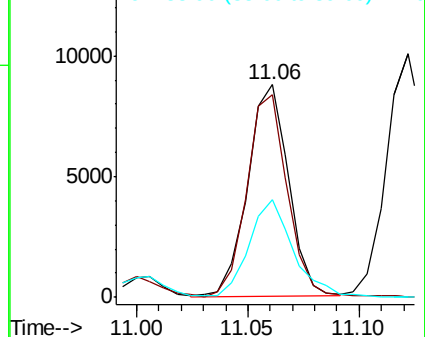
89 50.4 36.7 55.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 5.224 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX016030.D

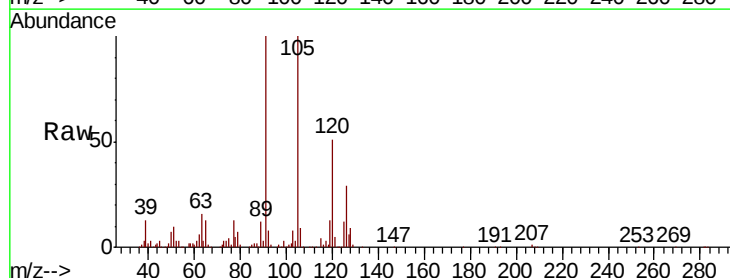
Acq: 04 May 2020 12:02

Tgt Ion: 91 Resp: 71188

Ion Ratio Lower Upper

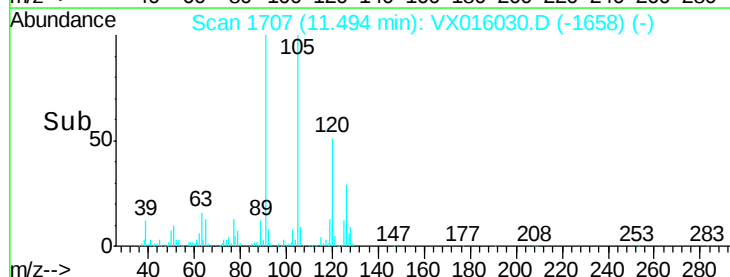
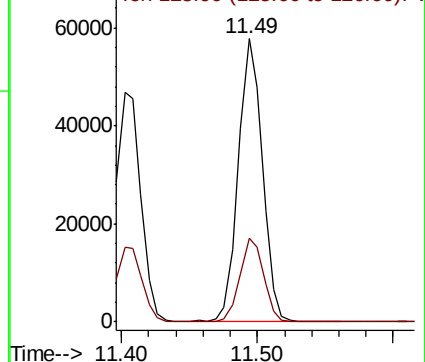
91 100

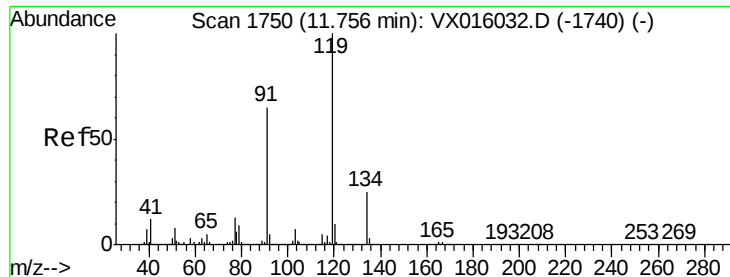
126 29.2 14.8 44.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 5.244 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

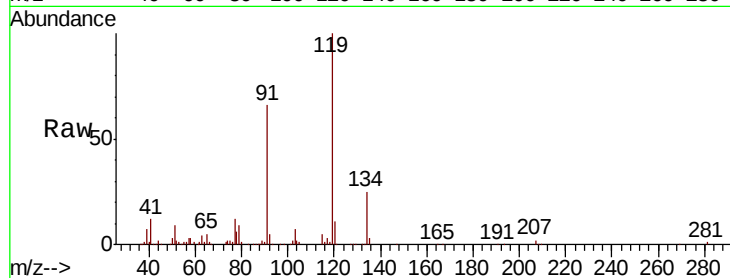
Tot Ion:119 Resp: 63618

Ion Ratio Lower Upper

119 100

91 66.0 32.8 98.4

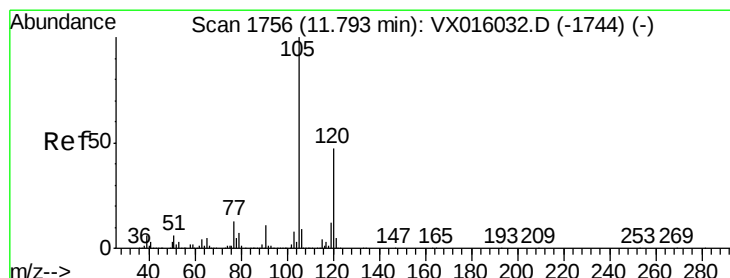
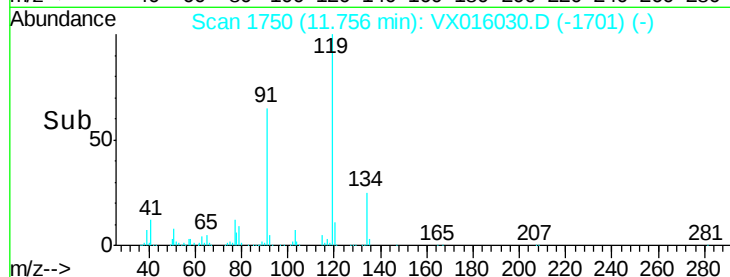
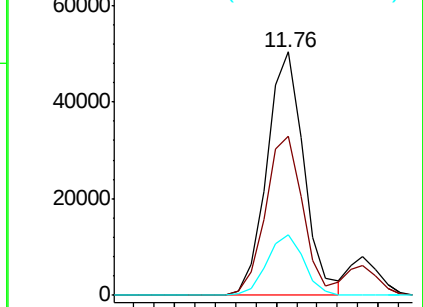
134 24.7 12.4 37.0



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: 5.178 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX016030.D

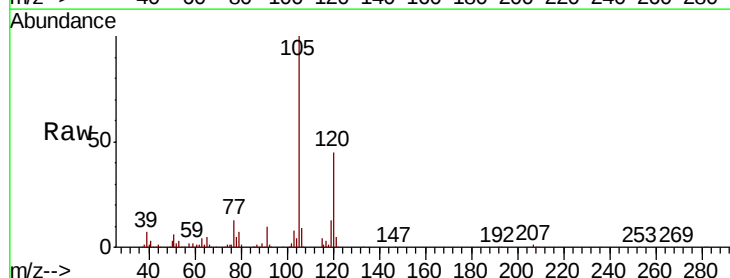
Acq: 04 May 2020 12:02

Tgt Ion:105 Resp: 73896

Ion Ratio Lower Upper

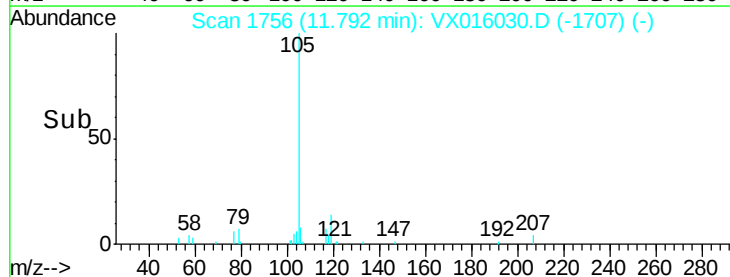
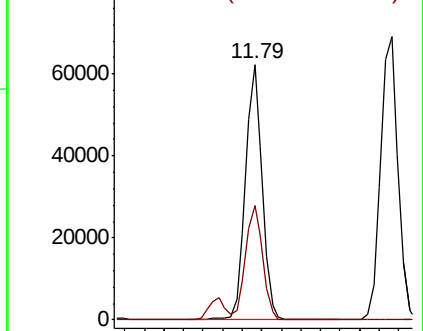
105 100

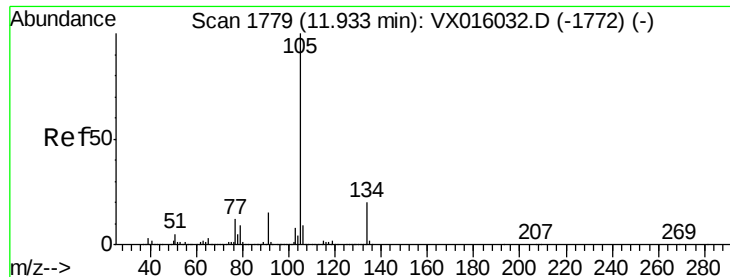
120 46.0 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 5.163 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

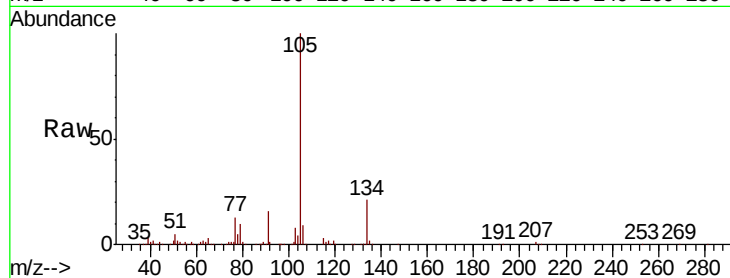
VSTDIC005

Tot Ion:105 Resp: 84957

Ion Ratio Lower Upper

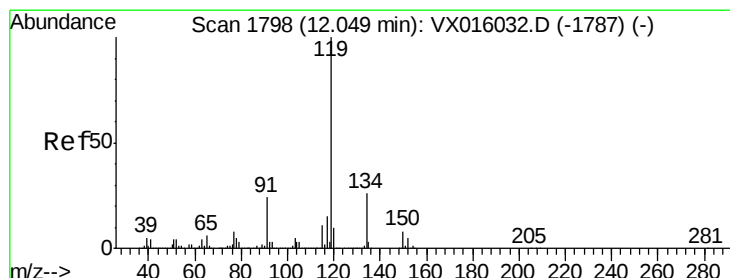
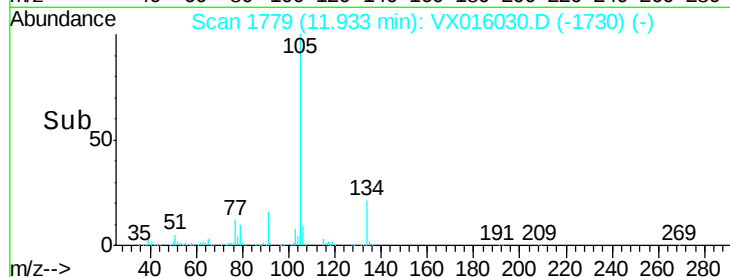
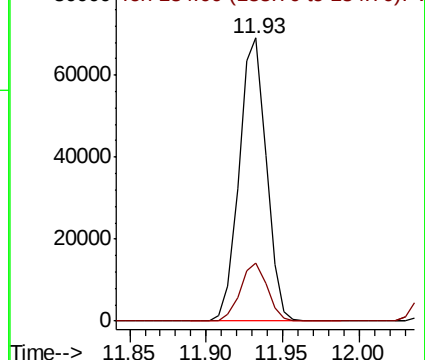
105 100

134 20.4 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.137 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

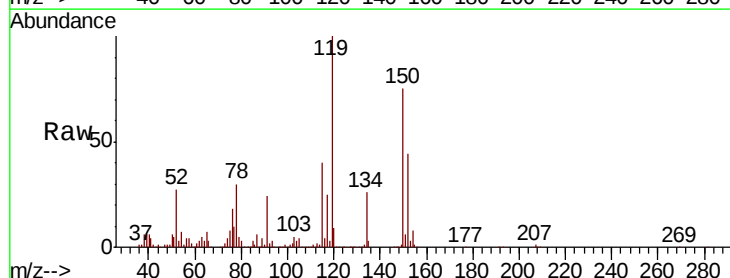
Tgt Ion:119 Resp: 78185

Ion Ratio Lower Upper

119 100

134 26.8 13.1 39.3

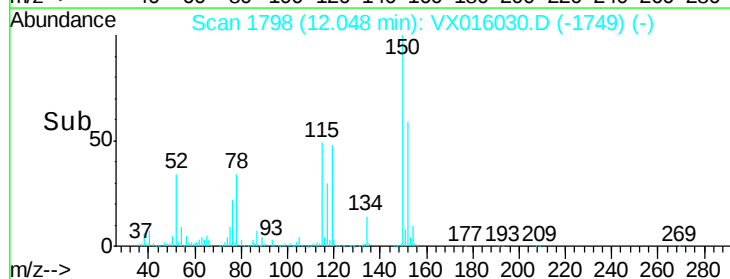
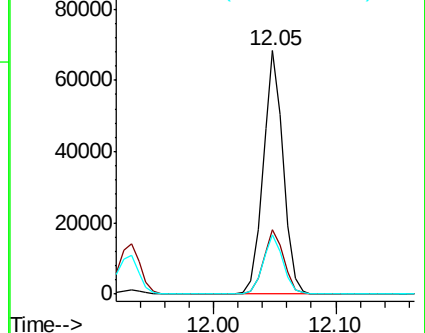
91 24.5 11.8 35.4

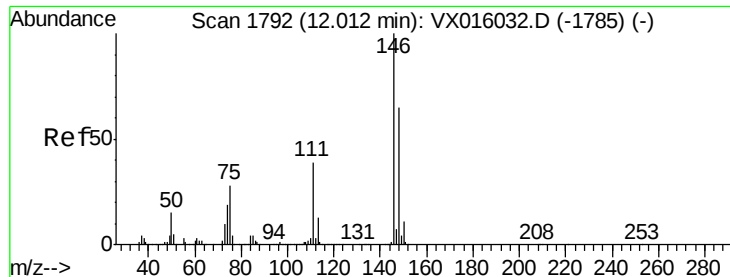


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 5.304 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

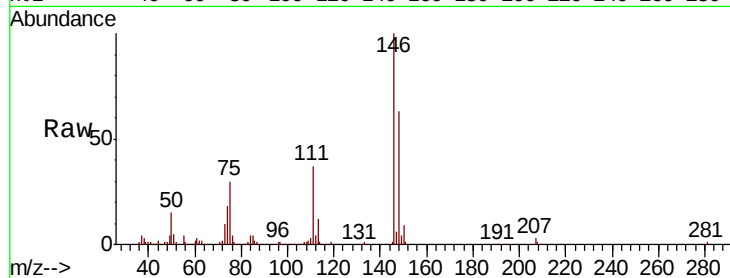
Tot Ion:146 Resp: 41670

Ion Ratio Lower Upper

146 100

111 38.8 20.2 60.6

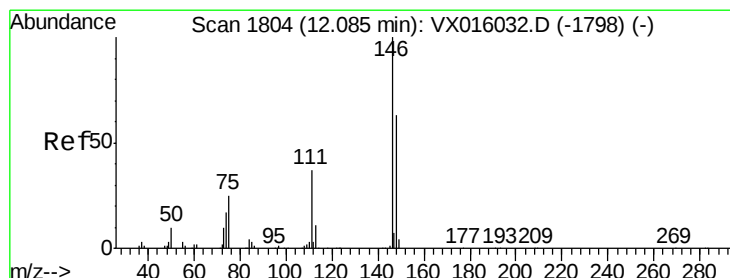
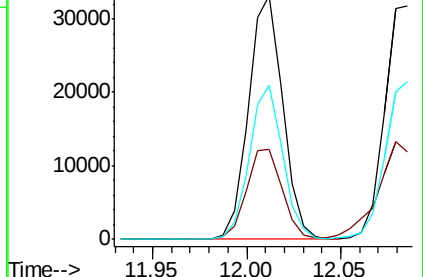
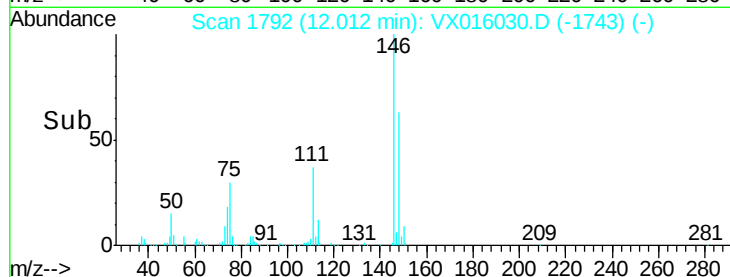
148 61.7 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 5.153 ug/l

RT: 12.09 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

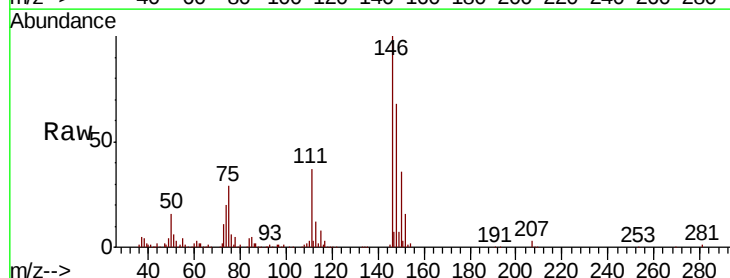
Tgt Ion:146 Resp: 40530

Ion Ratio Lower Upper

146 100

111 46.9 19.6 58.7

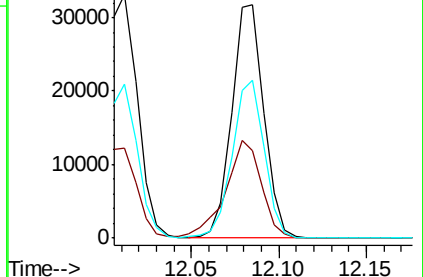
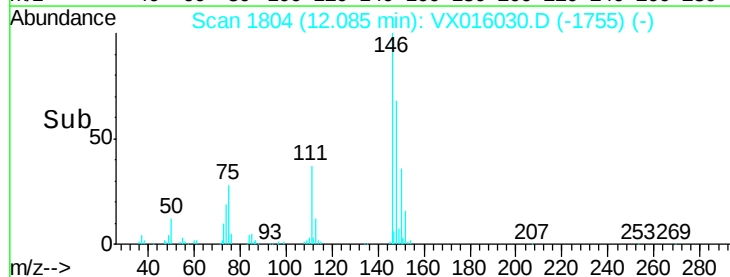
148 67.6 31.8 95.3

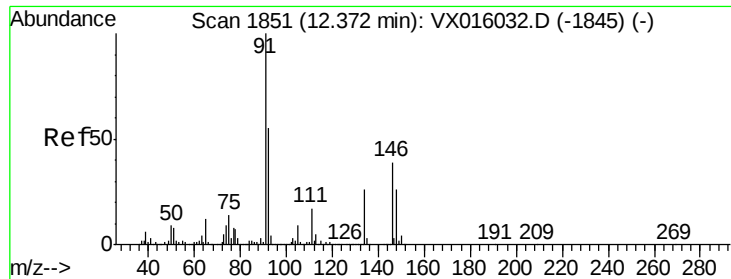


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 4.915 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

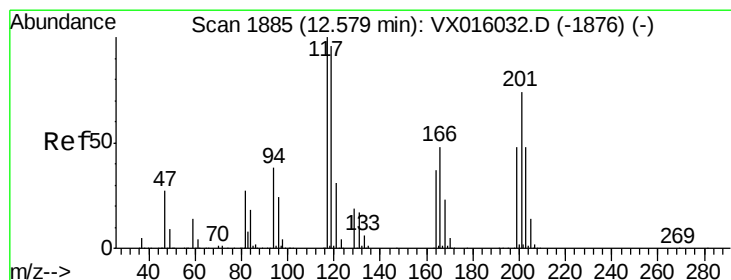
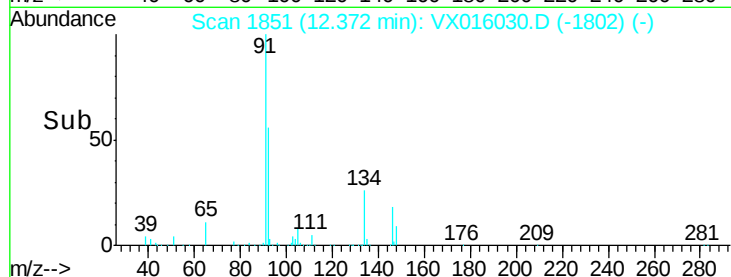
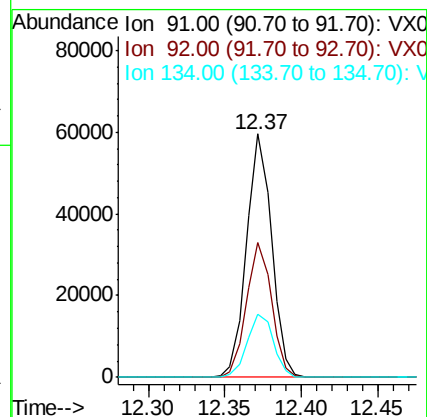
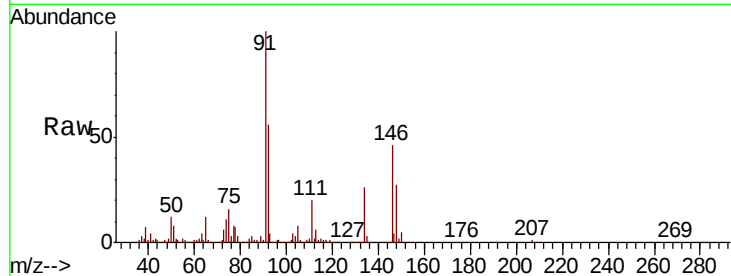
Tot Ion: 91 Resp: 68073

Ion Ratio Lower Upper

91 100

92 55.2 27.6 82.7

134 27.1 13.4 40.1



#90

Hexachloroethane

Concen: 5.228 ug/l

RT: 12.58 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX016030.D

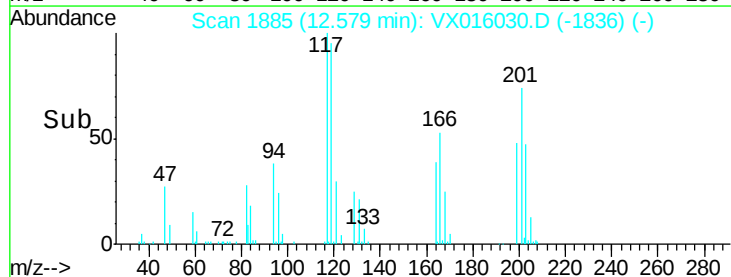
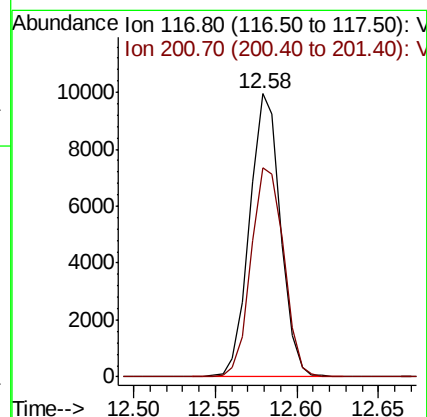
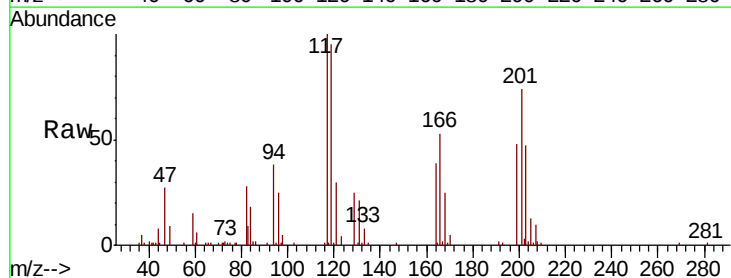
Acq: 04 May 2020 12:02

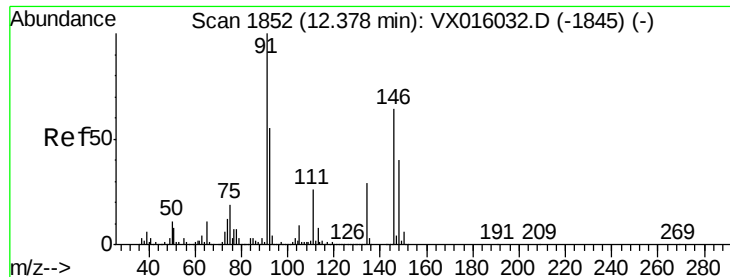
Tgt Ion: 117 Resp: 13225

Ion Ratio Lower Upper

117 100

201 77.9 39.8 119.3





#91

1,2-Dichlorobenzene

Concen: 5.208 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

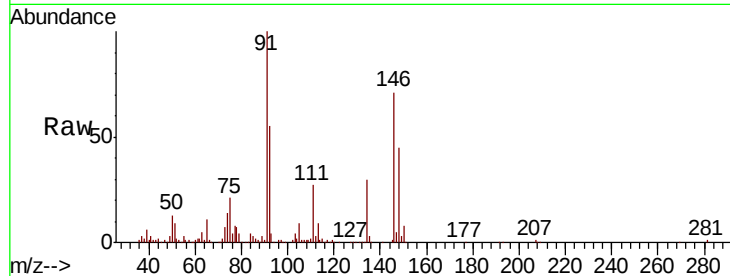
Tot Ion:146 Resp: 39253

Ion Ratio Lower Upper

146 100

111 40.1 21.1 63.1

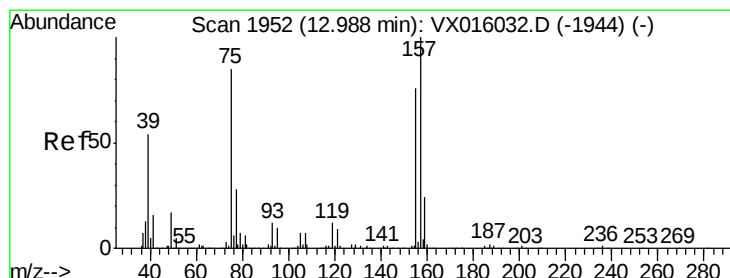
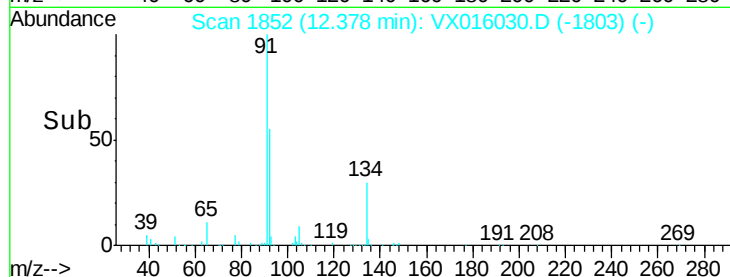
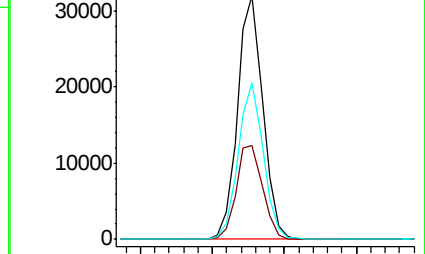
148 63.6 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.883 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. -0.01 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

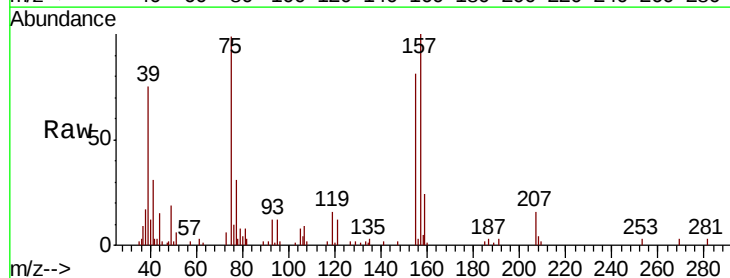
Tgt Ion: 75 Resp: 6646

Ion Ratio Lower Upper

75 100

155 86.8 42.5 127.5

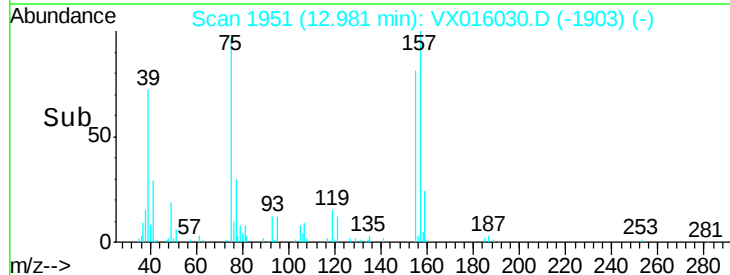
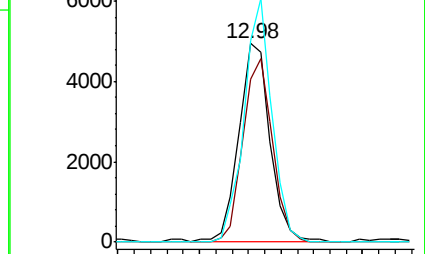
157 108.4 55.3 165.8

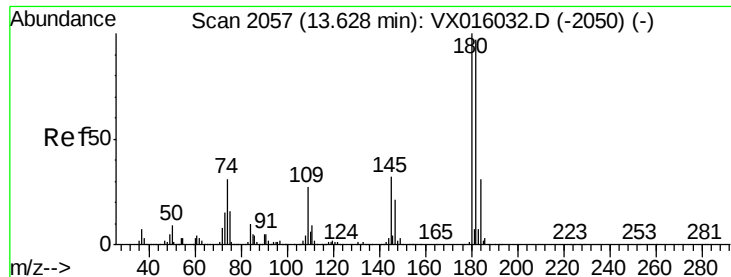


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

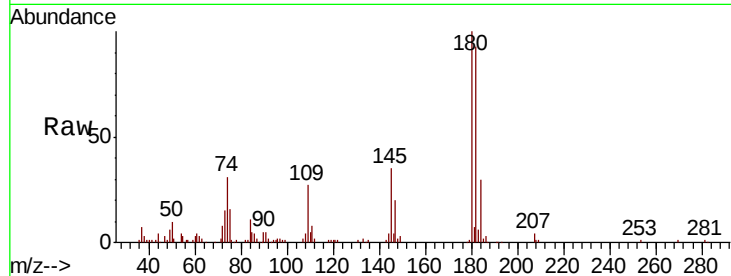




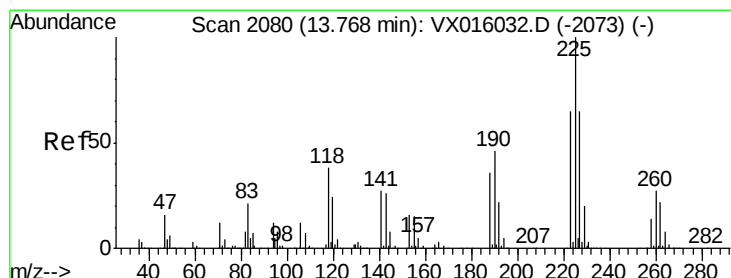
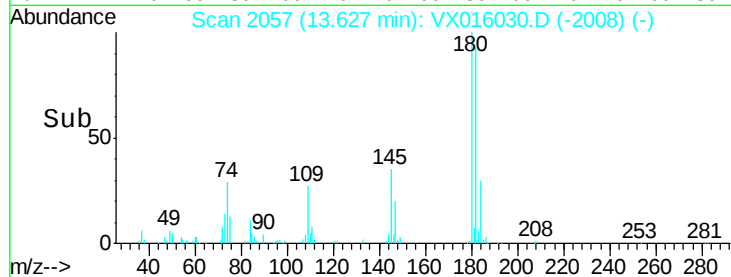
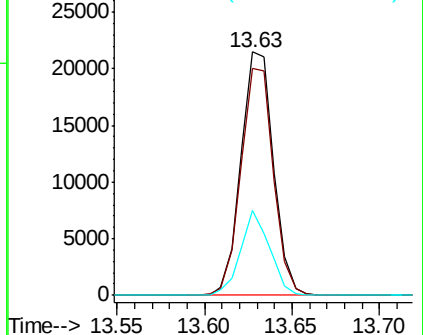
#93
 1,2,4-Trichlorobenzene
 Concen: 4.994 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016030.D
 Acq: 04 May 2020 12:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:180 Resp: 27756
 Ion Ratio Lower Upper
 180 100
 182 93.1 48.7 146.1
 145 31.3 15.7 47.1

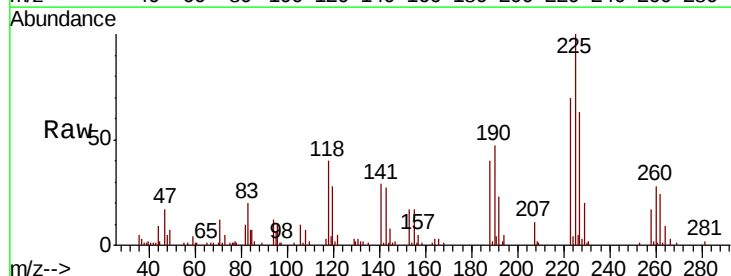


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

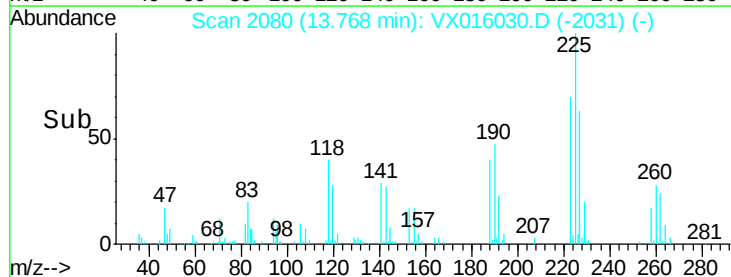
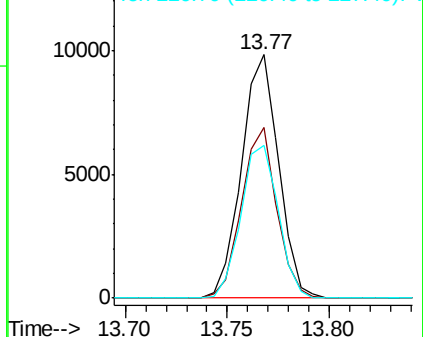


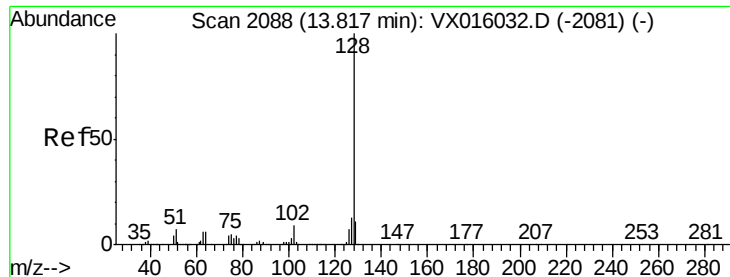
#94
 Hexachlorobutadiene
 Concen: 4.752 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX016030.D
 Acq: 04 May 2020 12:02

Tgt Ion:225 Resp: 12404
 Ion Ratio Lower Upper
 225 100
 223 66.5 32.3 96.9
 227 63.3 31.8 95.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 5.007 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

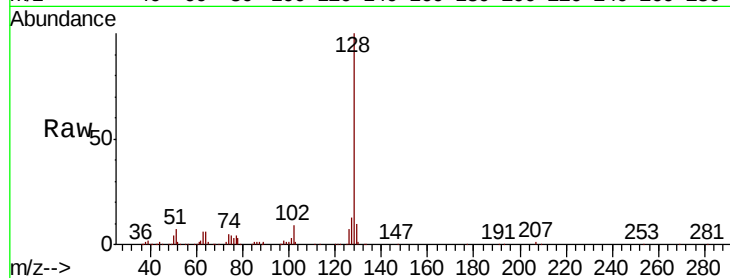
Tot Ion:128 Resp: 89601

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

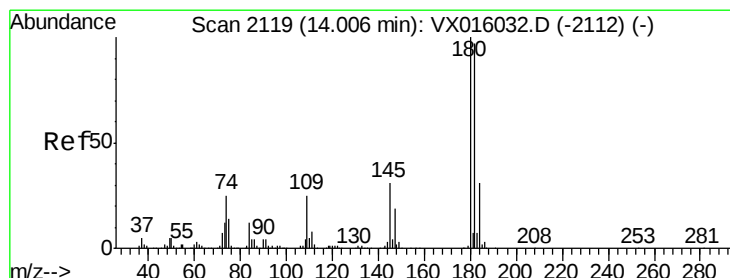
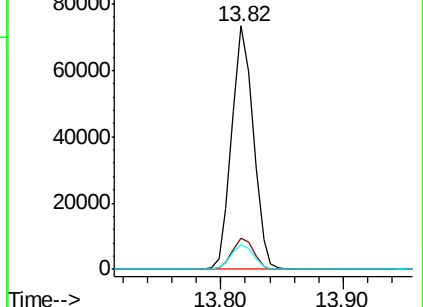
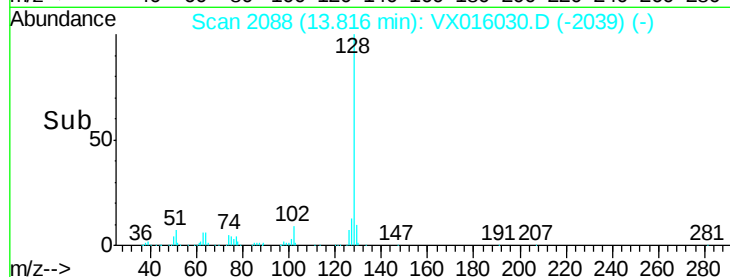
129 10.7 8.7 13.1



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: 4.992 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VX016030.D

Acq: 04 May 2020 12:02

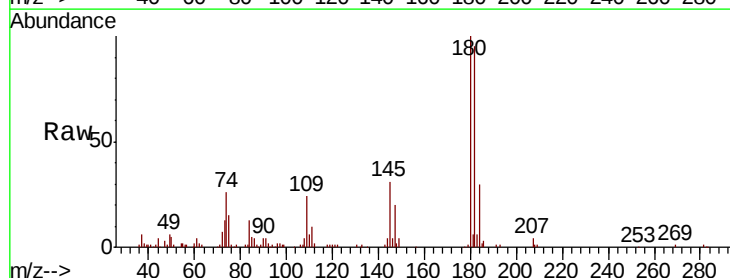
Tgt Ion:180 Resp: 27150

Ion Ratio Lower Upper

180 100

182 93.8 48.4 145.0

145 32.0 16.4 49.1



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

