

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081519\
 Data File : VX011564.D
 Acq On : 15 Aug 2019 18:04
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Quant Time: Aug 16 03:52:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 03:49:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	385555	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	538345	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	479195	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	253008	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	22172	5.58	ug/l	0.00
Spiked Amount			Recovery	=	11.16%	
35) Dibromofluoromethane	5.49	113	21441	6.32	ug/l	0.00
Spiked Amount			Recovery	=	12.64%	
50) Toluene-d8	8.71	98	62662	5.08	ug/l	0.00
Spiked Amount			Recovery	=	10.16%	
62) 4-Bromofluorobenzene	11.13	95	26748	5.80	ug/l	0.00
Spiked Amount			Recovery	=	11.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	16148	4.466	ug/l	100
3) Chloromethane	1.32	50	20048	5.599	ug/l	98
4) Vinyl Chloride	1.40	62	17727	4.939	ug/l	97
5) Bromomethane	1.63	94	8065	4.098	ug/l	94
6) Chloroethane	1.71	64	8679	3.970	ug/l	96
7) Trichlorofluoromethane	1.92	101	25600	4.327	ug/l	98
8) Diethyl Ether	2.18	74	8344	4.072	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	17809	5.116	ug/l	96
10) Methyl Iodide	2.50	142	21304	4.609	ug/l #	97
11) Tert butyl alcohol	3.04	59	20604	21.594	ug/l	98
12) 1,1-Dichloroethene	2.36	96	17008	5.013	ug/l	99
13) Acrolein	2.29	56	10017	20.231	ug/l	96
14) Allyl chloride	2.72	41	26328	5.178	ug/l	98
15) Acrylonitrile	3.14	53	50893	25.970	ug/l	98
16) Acetone	2.43	43	46162	25.018	ug/l	97
17) Carbon Disulfide	2.56	76	38374	4.458	ug/l	96
18) Methyl Acetate	2.77	43	24408	5.385	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	51899	4.679	ug/l	97
20) Methylene Chloride	2.85	84	19307	4.949	ug/l	93
21) trans-1,2-Dichloroethene	3.15	96	18375	5.073	ug/l	92
22) Diisopropyl ether	3.85	45	55012	5.153	ug/l	94
23) Vinyl Acetate	3.81	43	223475	25.126	ug/l	98
24) 1,1-Dichloroethane	3.69	63	31600	5.142	ug/l	97
25) 2-Butanone	4.67	43	71884	26.650	ug/l	97
26) 2,2-Dichloropropane	4.57	77	24373	4.906	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	21125	5.011	ug/l	98
28) Bromochloromethane	5.01	49	14001	4.869	ug/l	99
29) Tetrahydrofuran	5.12	42	44872	26.001	ug/l	99
30) Chloroform	5.20	83	33145	5.002	ug/l	95
31) Cyclohexane	5.57	56	25999	4.668	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	27399	4.787	ug/l	94
36) 1,1-Dichloropropene	5.79	75	23375	5.227	ug/l	96
37) Ethyl Acetate	4.82	43	26058	5.593	ug/l #	94
38) Carbon Tetrachloride	5.78	117	24806	5.279	ug/l	95

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 Data File : VX011564.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: Aug 16 03:52:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 03:49:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	27744	4.824	ug/l	98
40) Benzene	6.13	78	75124	5.481	ug/l	94
41) Methacrylonitrile	5.04	41	14184	5.300	ug/l #	90
42) 1,2-Dichloroethane	6.19	62	26633	5.544	ug/l	96
43) Isopropyl Acetate	6.44	43	39511	5.188	ug/l	97
44) Trichloroethene	7.21	130	21489	5.289	ug/l	93
45) 1,2-Dichloropropane	7.51	63	18184	5.194	ug/l	94
46) Dibromomethane	7.66	93	12356	4.984	ug/l	97
47) Bromodichloromethane	7.90	83	21893	4.907	ug/l	96
48) Methyl methacrylate	7.77	41	19917	5.313	ug/l	92
49) 1,4-Dioxane	7.74	88	10403	100.803	ug/l	92
51) 4-Methyl-2-Pentanone	8.64	43	135792	27.394	ug/l	98
52) Toluene	8.78	92	45871	5.115	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	21708	4.540	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	24646	4.646	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	19486	5.257	ug/l	99
56) Ethyl methacrylate	9.18	69	27170	5.001	ug/l	99
57) 1,3-Dichloropropane	9.37	76	31272	5.304	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.30	63	64436	24.677	ug/l	97
59) 2-Hexanone	9.49	43	101348	26.445	ug/l	99
60) Dibromochloromethane	9.58	129	18025	4.753	ug/l	99
61) 1,2-Dibromoethane	9.67	107	20926	5.313	ug/l	98
64) Tetrachloroethene	9.34	164	20231	5.293	ug/l	97
65) Chlorobenzene	10.13	112	52120	5.219	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	18364	5.204	ug/l	99
67) Ethyl Benzene	10.25	91	87799	5.207	ug/l	99
68) m/p-Xylenes	10.35	106	67022	10.324	ug/l	99
69) o-Xylene	10.69	106	32560	5.156	ug/l	100
70) Styrene	10.71	104	52733	4.997	ug/l	99
71) Bromoform	10.85	173	13408	4.710	ug/l #	98
73) Isopropylbenzene	11.02	105	86481	5.053	ug/l	99
74) N-amyl acetate	10.90	43	32717	4.960	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	29960	5.331	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	30974	6.696	ug/l	85
77) Bromobenzene	11.26	156	25878	5.417	ug/l	97
78) n-propylbenzene	11.36	91	90470	4.804	ug/l	99
79) 2-Chlorotoluene	11.42	91	56541	4.974	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	72718	5.090	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	5877	3.535	ug/l #	65
82) 4-Chlorotoluene	11.51	91	65987	4.999	ug/l	99
83) tert-Butylbenzene	11.77	119	72708	5.147	ug/l	96
84) 1,2,4-Trimethylbenzene	11.80	105	70493	4.887	ug/l	100
85) sec-Butylbenzene	11.94	105	81074	4.937	ug/l	99
86) p-Isopropyltoluene	12.06	119	75043	4.916	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	43324	5.243	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	43936	5.196	ug/l	94
89) n-Butylbenzene	12.38	91	58907	4.554	ug/l	98
90) Hexachloroethane	12.59	117	10560	4.403	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	43192	5.271	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	12.99	75	6567	5.533	ug/l	88

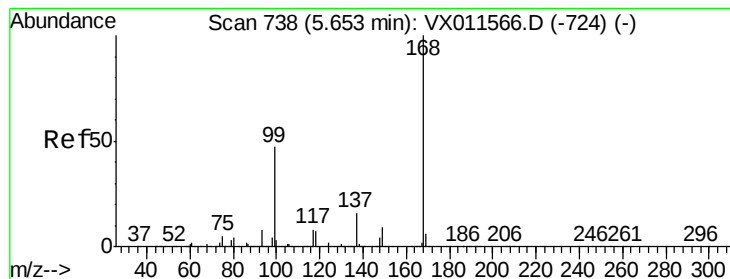
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081519\
Data File : VX011564.D
Acq On : 15 Aug 2019 18:04
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Aug 16 03:52:57 2019
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Quant Title : SW846 8260
QLast Update : Fri Aug 16 03:49:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	29757	5.261	ug/l	98
94) Hexachlorobutadiene	13.78	225	16664	5.827	ug/l	99
95) Naphthalene	13.83	128	83732	5.041	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	31285	5.537	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

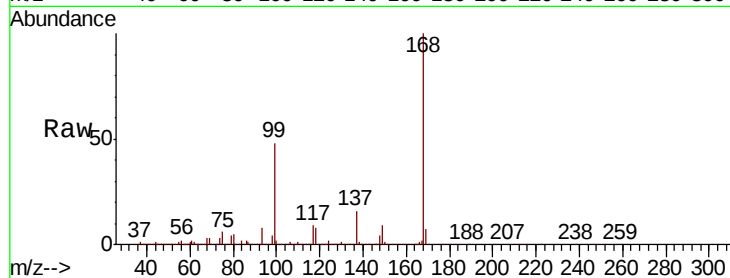
VSTDIC005

Tgt Ion: 168 Resp: 385555

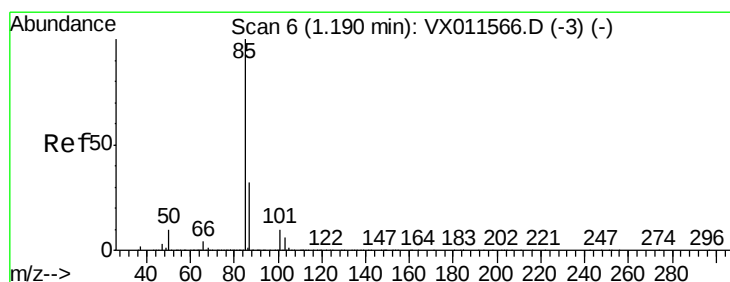
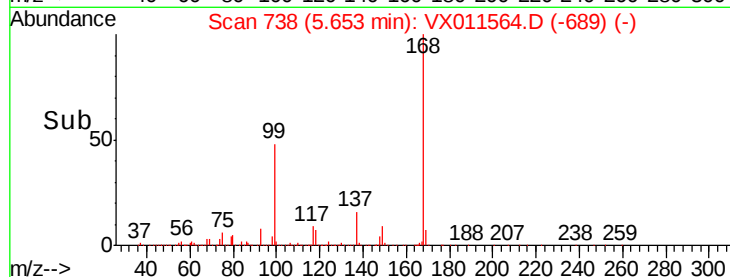
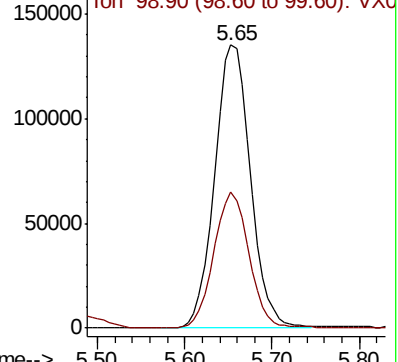
Ion Ratio Lower Upper

168 100

99 48.0 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VX011566.D (-724) (-)



#2

Dichlorodifluoromethane

Concen: 4.466 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011564.D

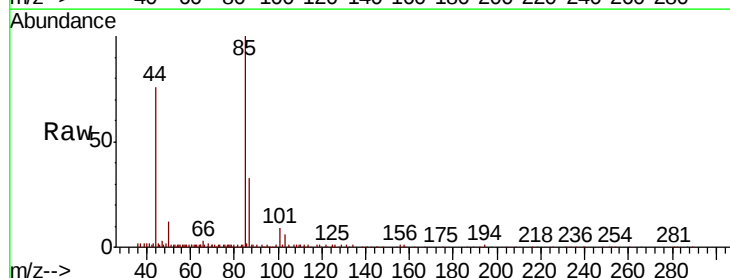
Acq: 15 Aug 2019 18:04

Tgt Ion: 85 Resp: 16148

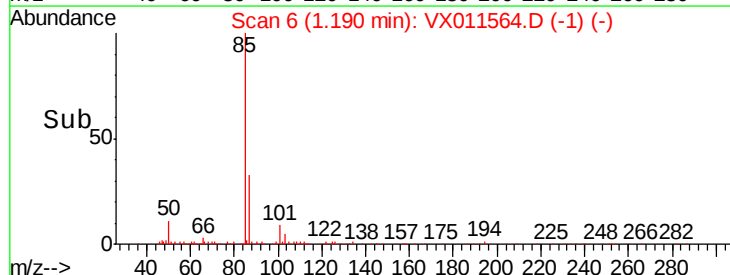
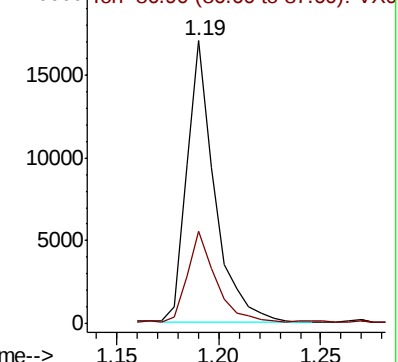
Ion Ratio Lower Upper

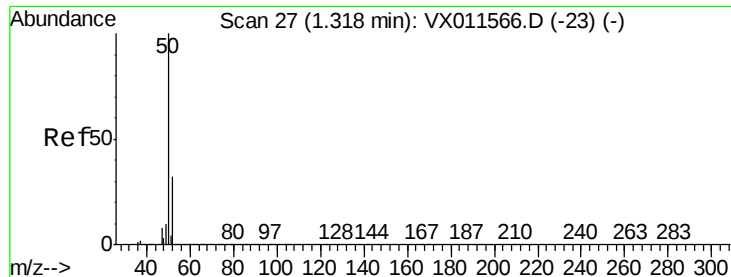
85 100

87 32.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX011566.D (-3) (-)





#3

Chloromethane

Concen: 5.599 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

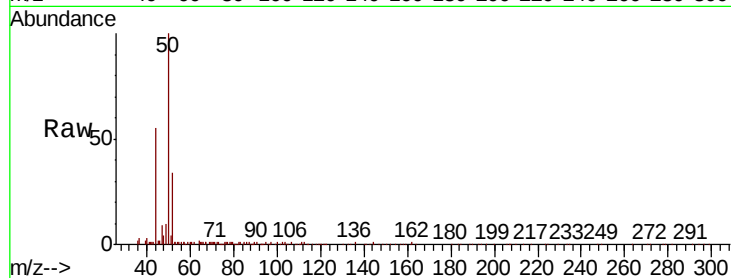
VSTDIC005

Tgt Ion: 50 Resp: 20048

Ion Ratio Lower Upper

50 100

52 33.7 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

20000

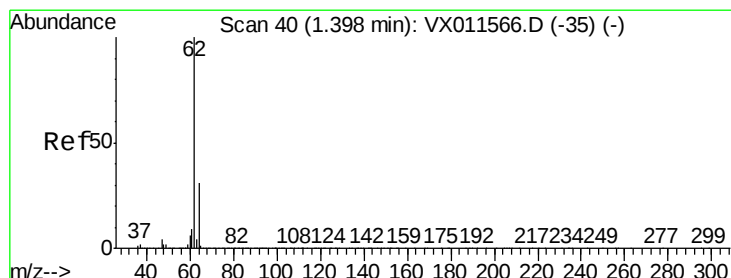
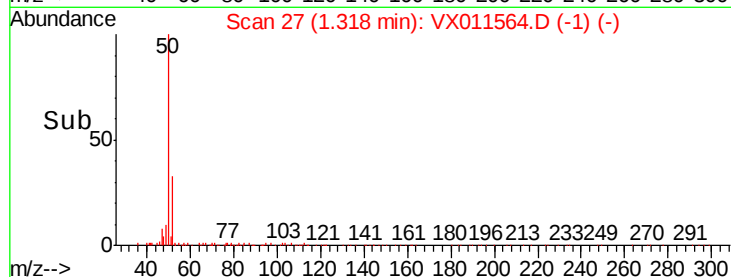
15000

10000

5000

0

Time-->



#4

Vinyl Chloride

Concen: 4.939 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011564.D

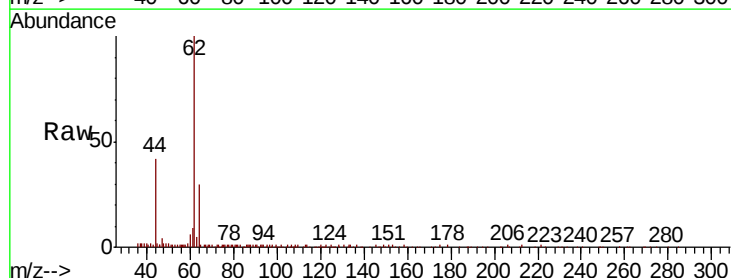
Acq: 15 Aug 2019 18:04

Tgt Ion: 62 Resp: 17727

Ion Ratio Lower Upper

62 100

64 29.4 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

20000

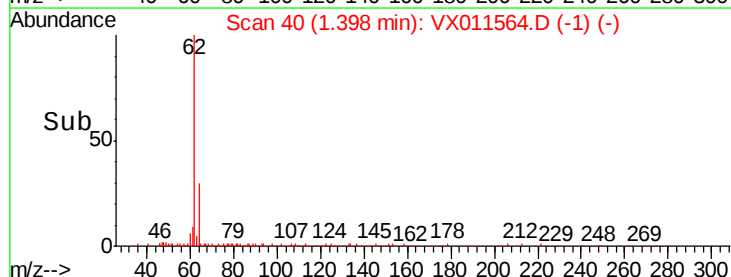
15000

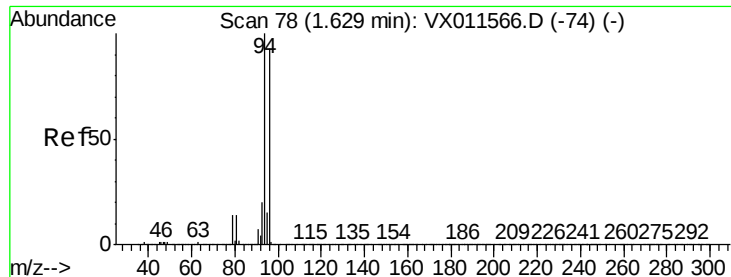
10000

5000

0

Time-->





#5

Bromomethane

Concen: 4.098 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

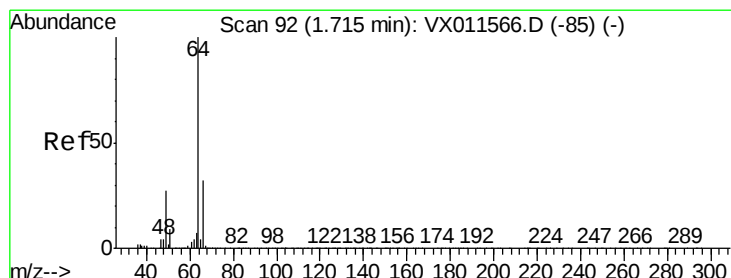
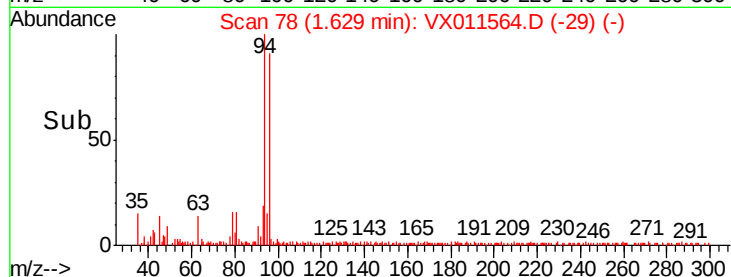
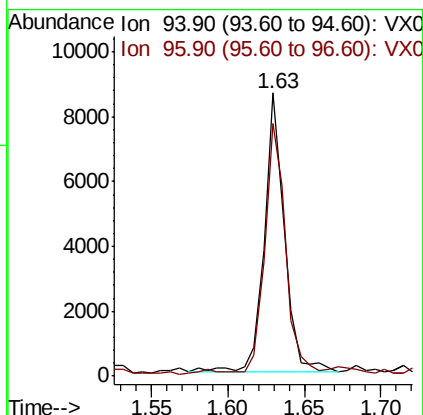
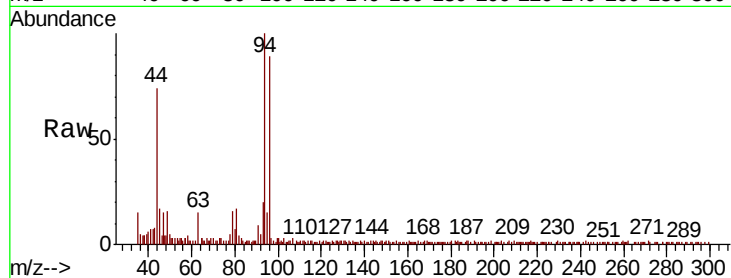
VSTDIC005

Tgt Ion: 94 Resp: 8065

Ion Ratio Lower Upper

94 100

96 87.5 74.8 112.2



#6

Chloroethane

Concen: 3.970 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011564.D

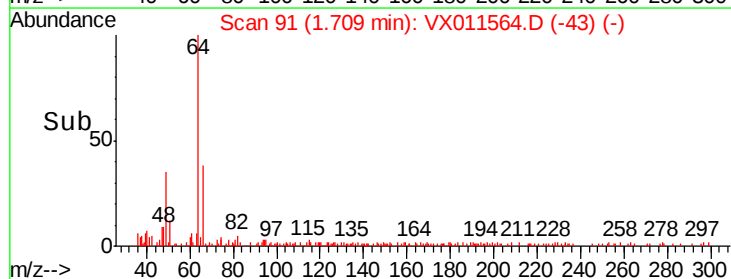
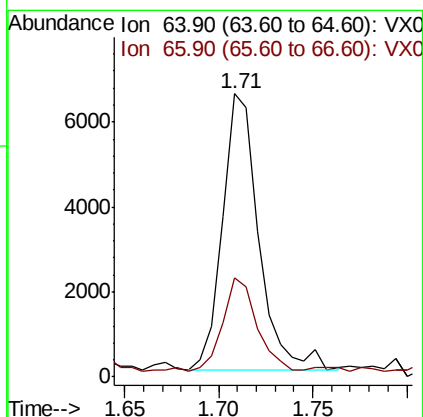
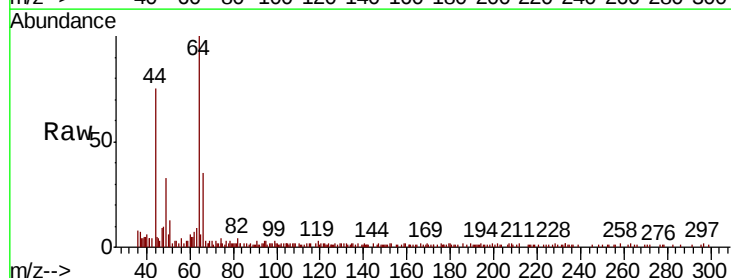
Acq: 15 Aug 2019 18:04

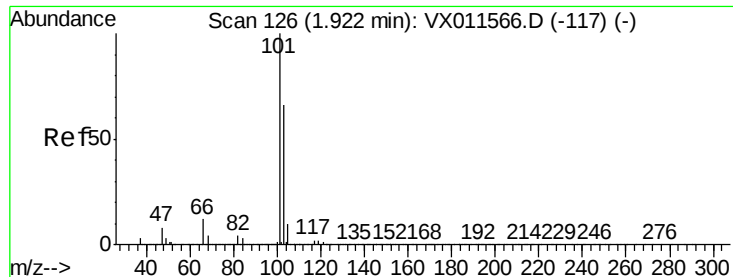
Tgt Ion: 64 Resp: 8679

Ion Ratio Lower Upper

64 100

66 33.9 25.3 37.9





#7

Trichlorofluoromethane

Concen: 4.327 ug/l

RT: 1.92 min Scan# 126

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

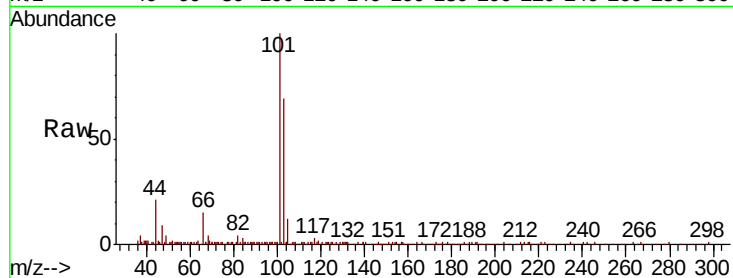
VSTDIC005

Tgt Ion:101 Resp: 25600

Ion Ratio Lower Upper

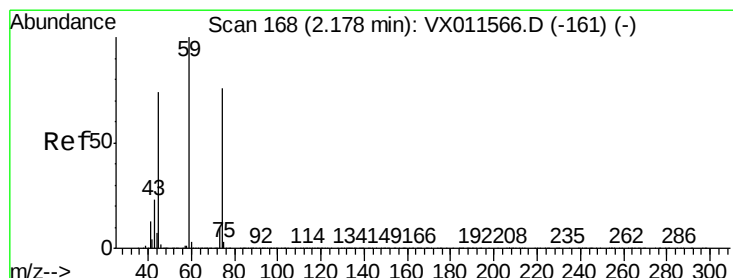
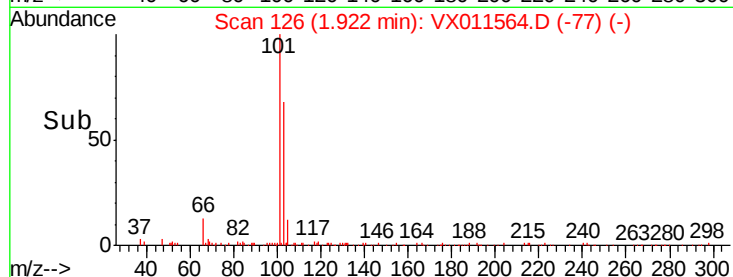
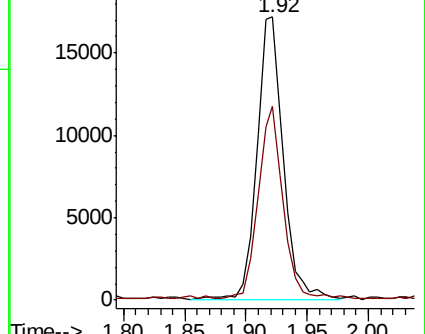
101 100

103 67.5 52.9 79.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 4.072 ug/l

RT: 2.18 min Scan# 168

Delta R.T. 0.00 min

Lab File: VX011564.D

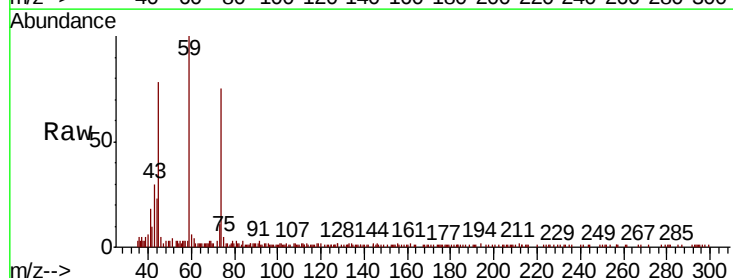
Acq: 15 Aug 2019 18:04

Tgt Ion: 74 Resp: 8344

Ion Ratio Lower Upper

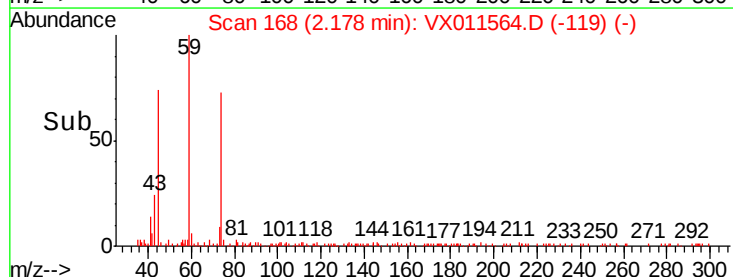
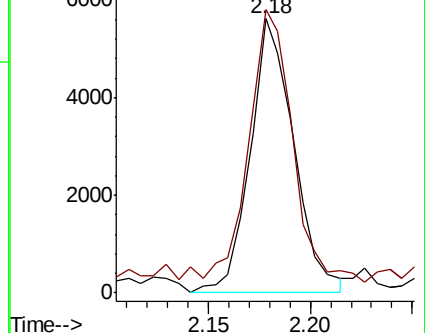
74 100

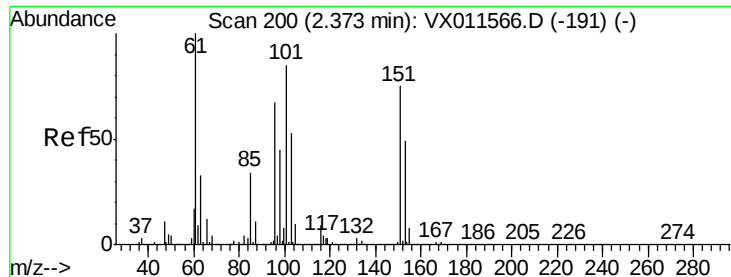
45 99.6 48.2 144.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.116 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

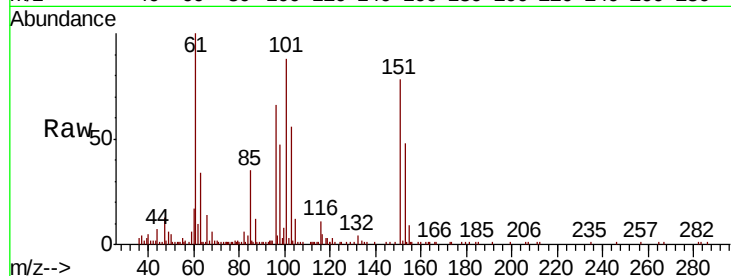
Tgt Ion:101 Resp: 17809

Ion Ratio Lower Upper

101 100

85 40.8 33.0 49.4

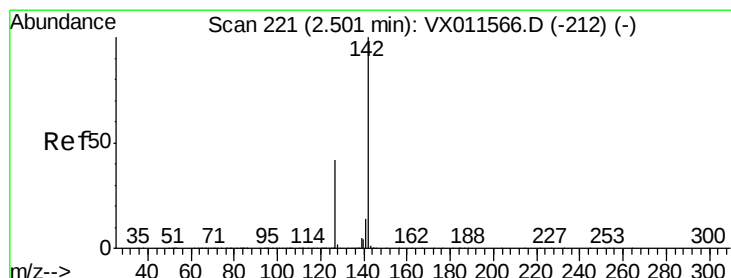
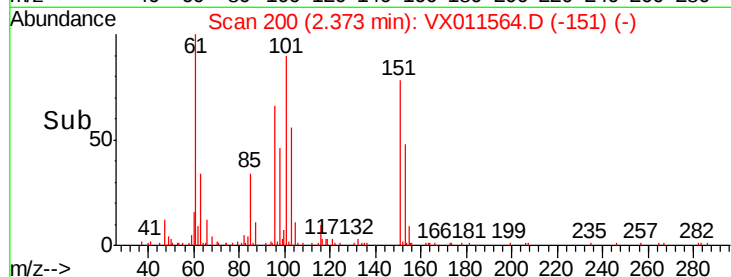
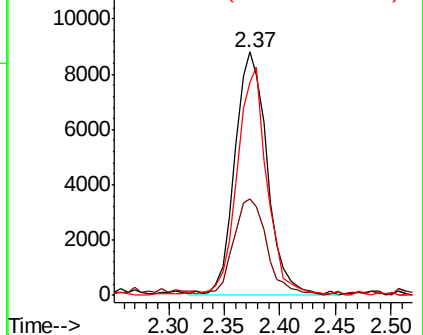
151 86.7 73.3 109.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.609 ug/l

RT: 2.50 min Scan# 221

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

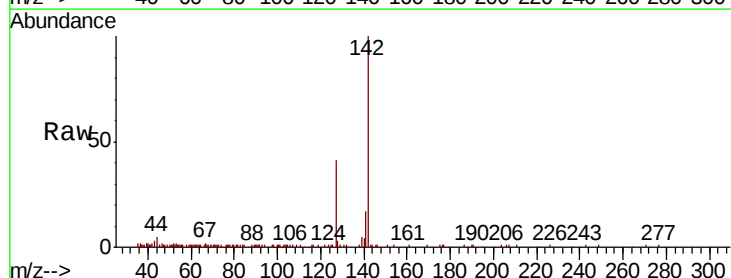
Tgt Ion:142 Resp: 21304

Ion Ratio Lower Upper

142 100

127 42.1 32.8 49.2

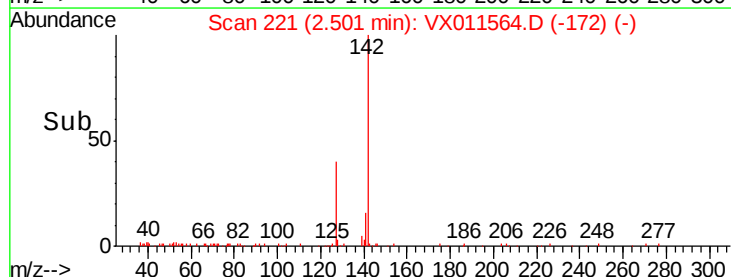
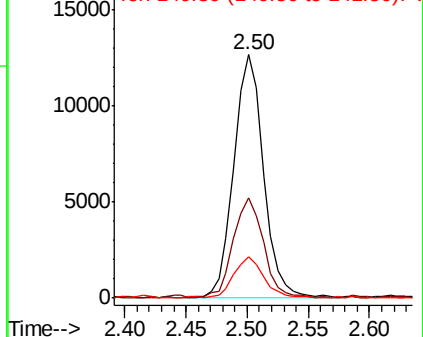
141 17.3 11.4 17.2#

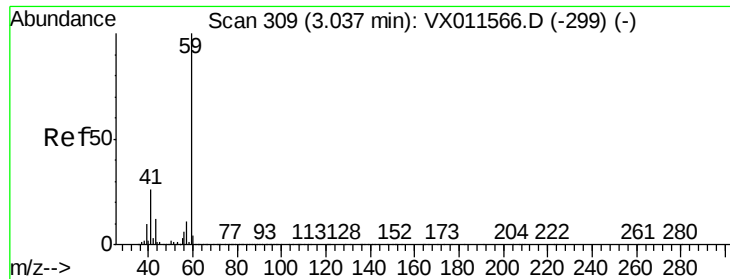


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

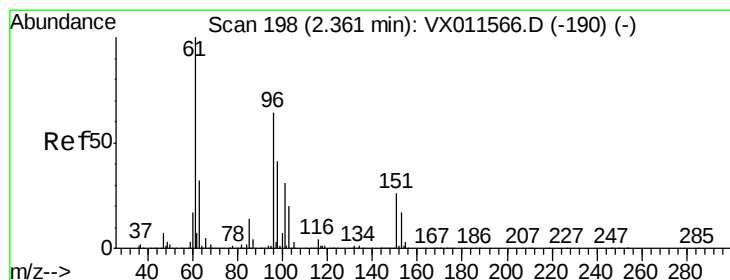
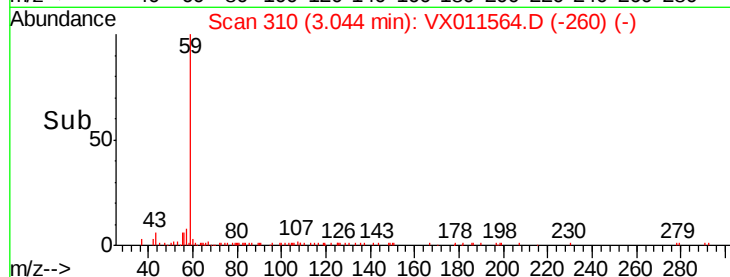
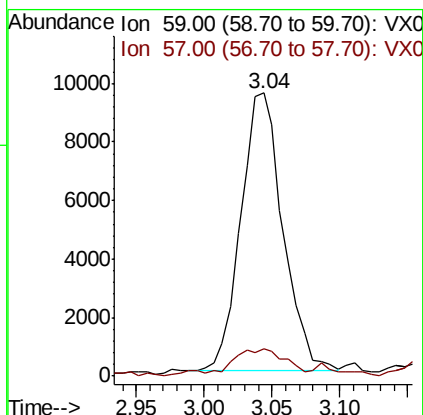
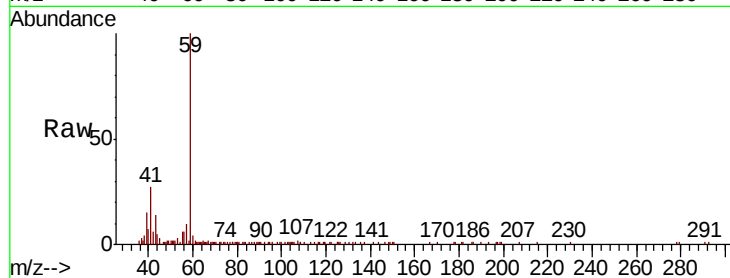




#11
Tert butyl alcohol
Concen: 21.594 ug/l
RT: 3.04 min Scan# 310
Delta R.T. 0.01 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

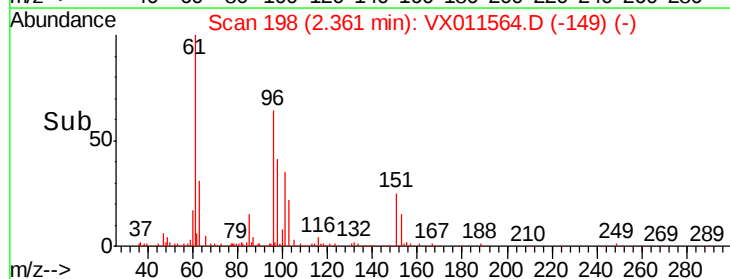
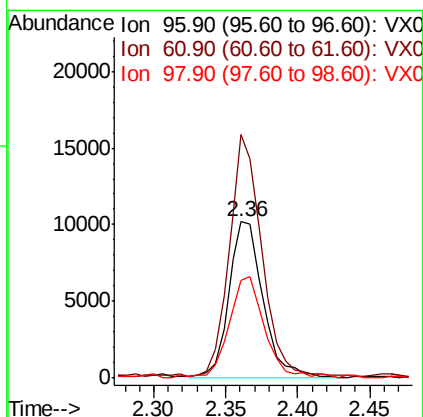
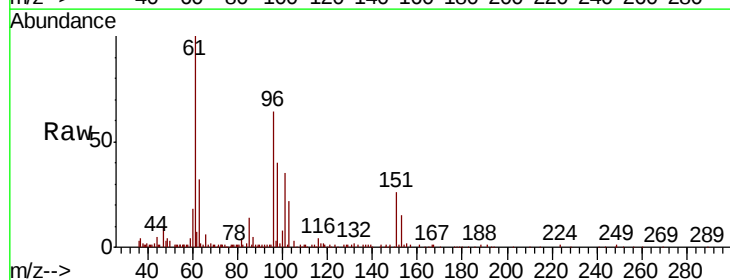
Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

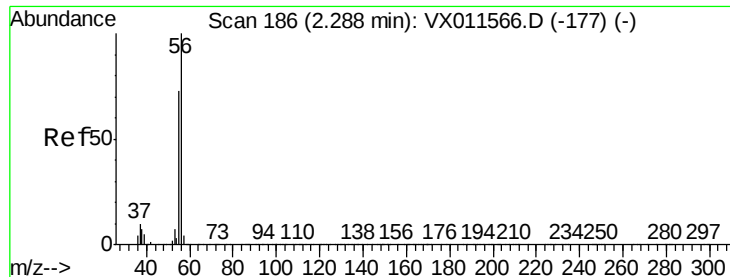
Tgt Ion: 59 Resp: 20604
Ion Ratio Lower Upper
59 100
57 11.6 8.7 13.1



#12
1,1-Dichloroethene
Concen: 5.013 ug/l
RT: 2.36 min Scan# 198
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Tgt Ion: 96 Resp: 17008
Ion Ratio Lower Upper
96 100
61 155.4 125.0 187.4
98 62.9 51.5 77.3





#13

Acrolein

Concen: 20.231 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

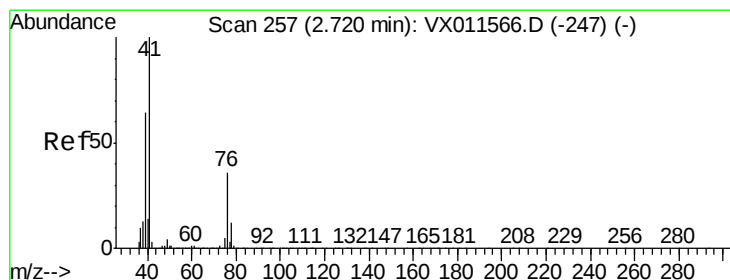
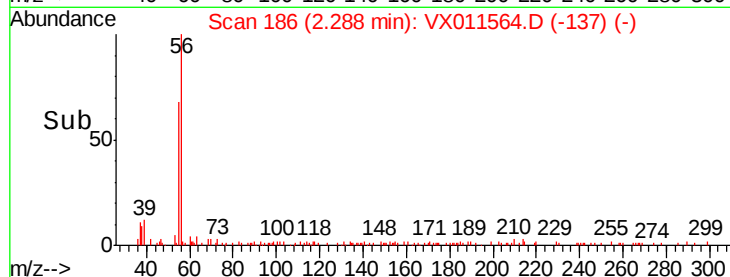
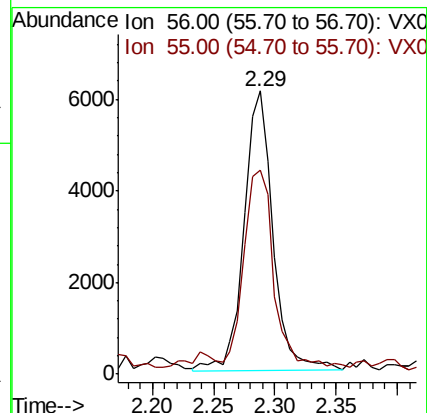
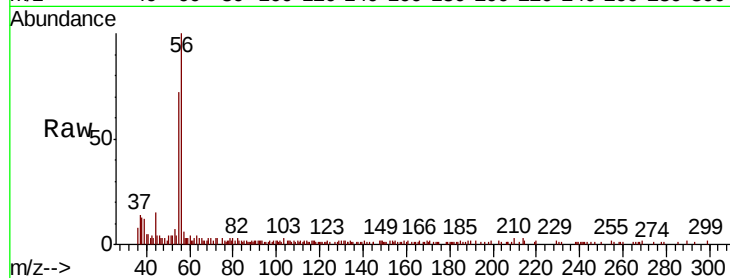
VSTDIC005

Tgt Ion: 56 Resp: 10017

Ion Ratio Lower Upper

56 100

55 72.8 55.5 83.3



#14

Allyl chloride

Concen: 5.178 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

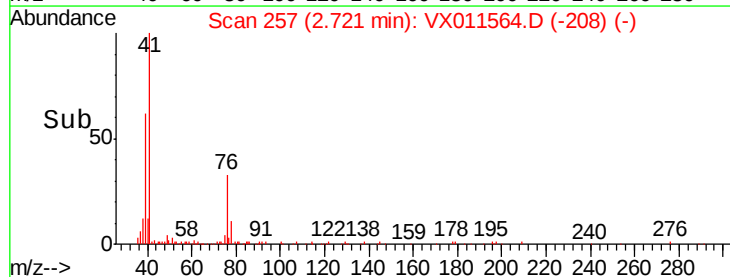
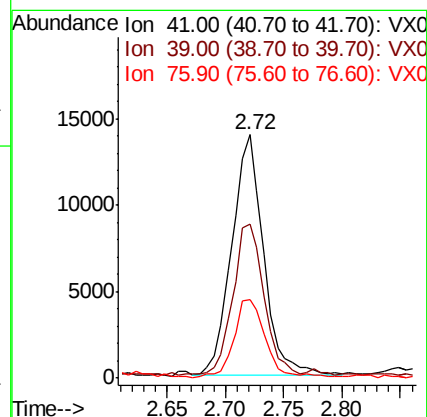
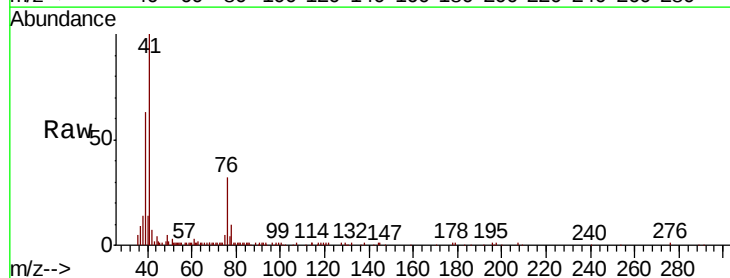
Tgt Ion: 41 Resp: 26328

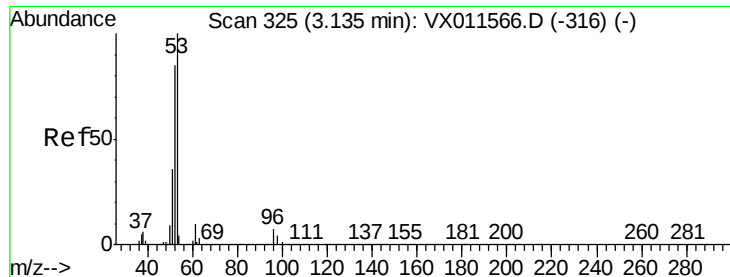
Ion Ratio Lower Upper

41 100

39 60.5 47.5 71.3

76 31.9 26.3 39.5





#15

Acrylonitrile

Concen: 25.970 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

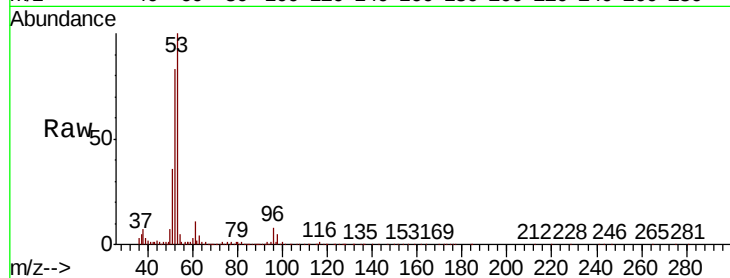
Tgt Ion: 53 Resp: 50893

Ion Ratio Lower Upper

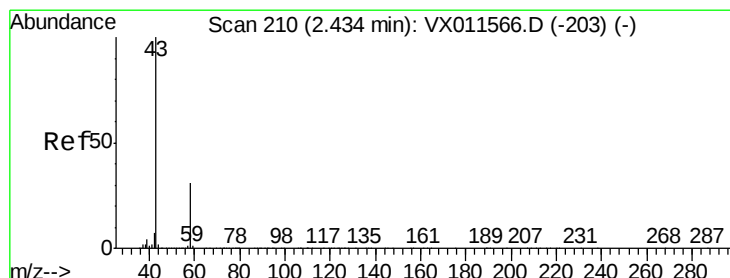
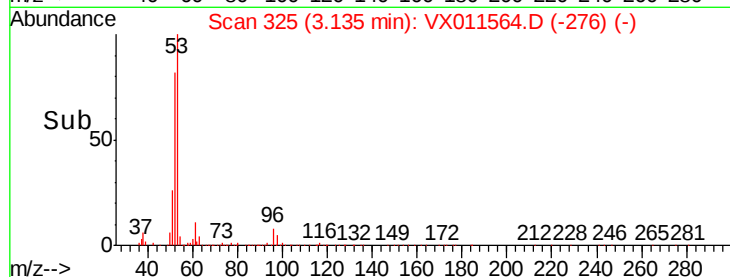
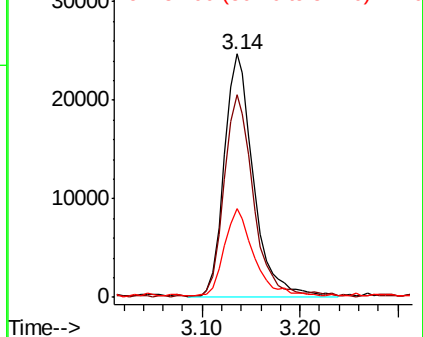
53 100

52 81.6 66.7 100.1

51 36.5 28.7 43.1



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 25.018 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011564.D

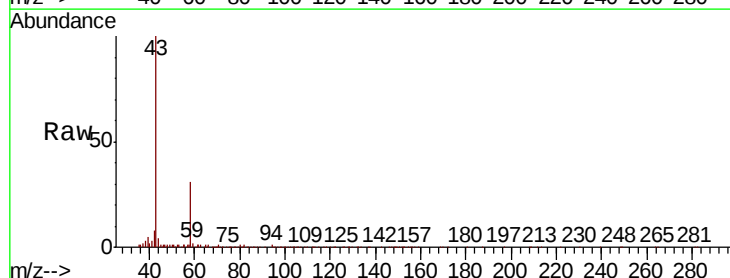
Acq: 15 Aug 2019 18:04

Tgt Ion: 43 Resp: 46162

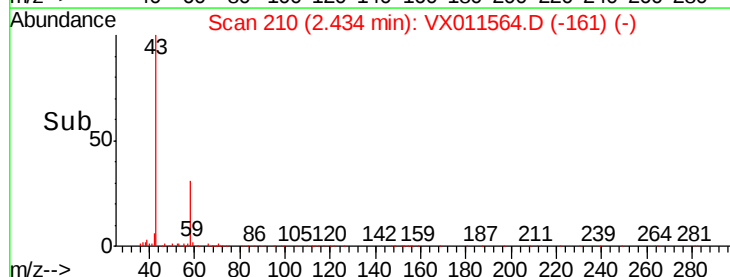
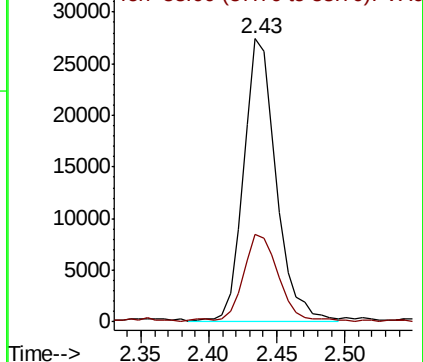
Ion Ratio Lower Upper

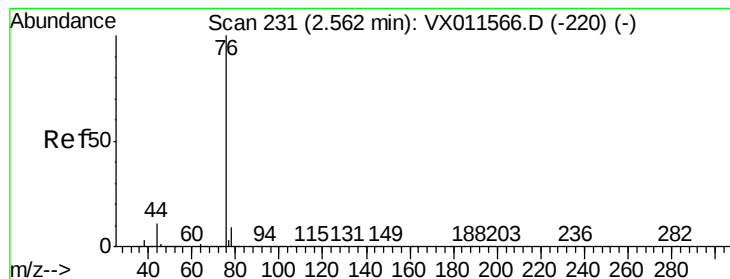
43 100

58 30.1 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 4.458 ug/l

RT: 2.56 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

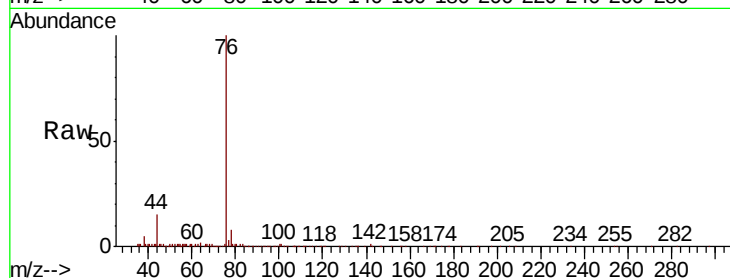
VSTDIC005

Tgt Ion: 76 Resp: 38374

Ion Ratio Lower Upper

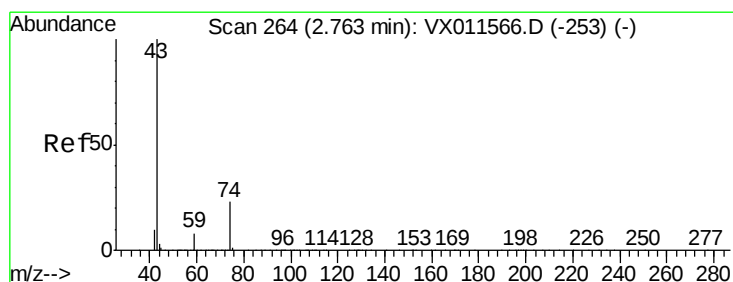
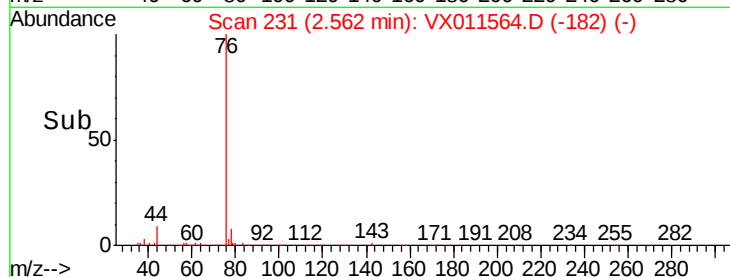
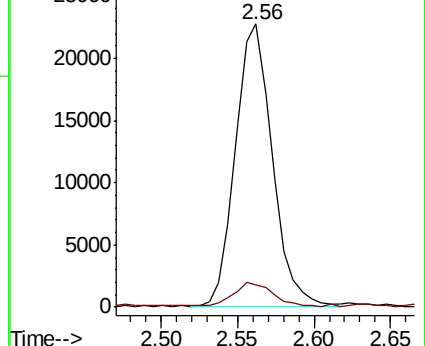
76 100

78 7.6 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 5.385 ug/l

RT: 2.77 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX011564.D

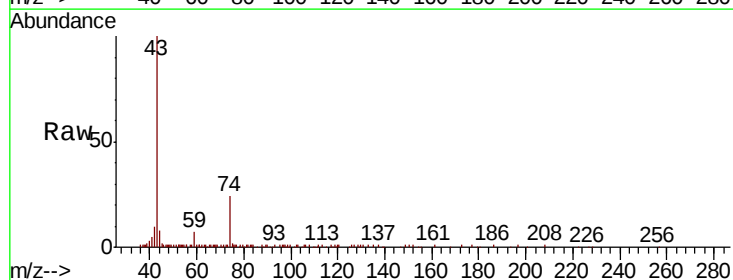
Acq: 15 Aug 2019 18:04

Tgt Ion: 43 Resp: 24408

Ion Ratio Lower Upper

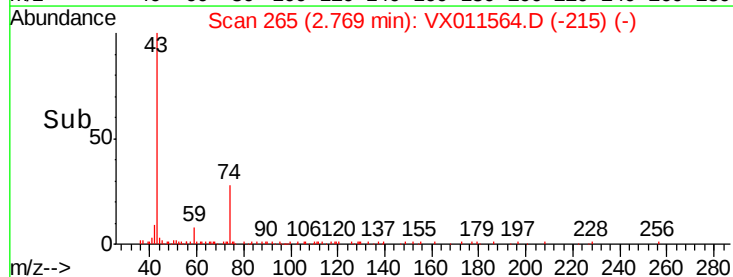
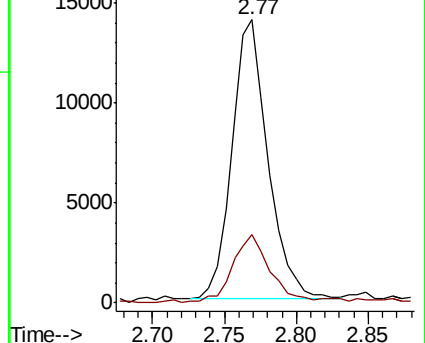
43 100

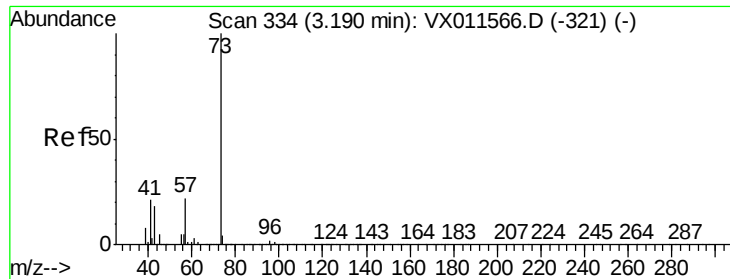
74 25.3 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

Methyl tert-butyl Ether

Concen: 4.679 ug/l

RT: 3.19 min Scan# 334

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

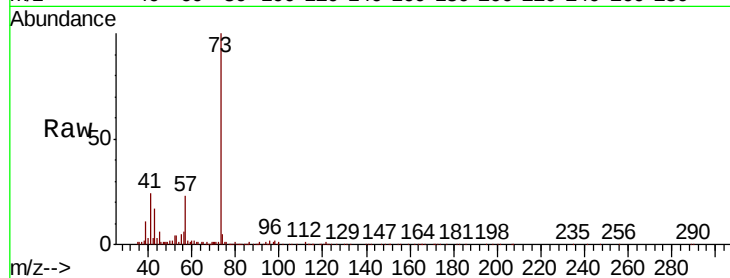
VSTDIC005

Tgt Ion: 73 Resp: 51899

Ion Ratio Lower Upper

73 100

57 22.9 17.2 25.8



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

25000

20000

15000

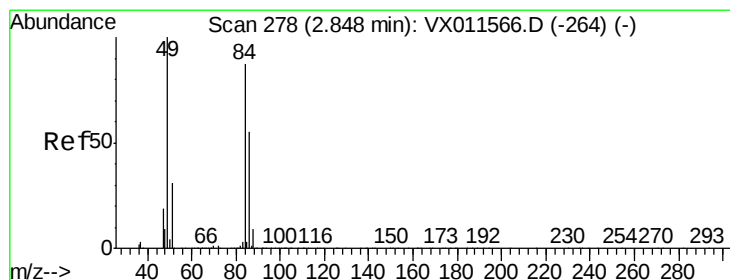
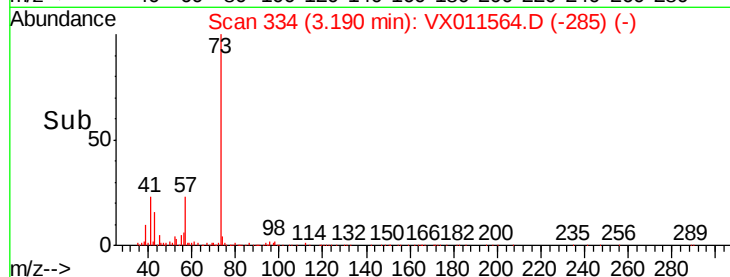
10000

5000

0

3.10 3.15 3.20 3.25

Time-->



#20

Methylene Chloride

Concen: 4.949 ug/l

RT: 2.85 min Scan# 278

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Tgt Ion: 84 Resp: 19307

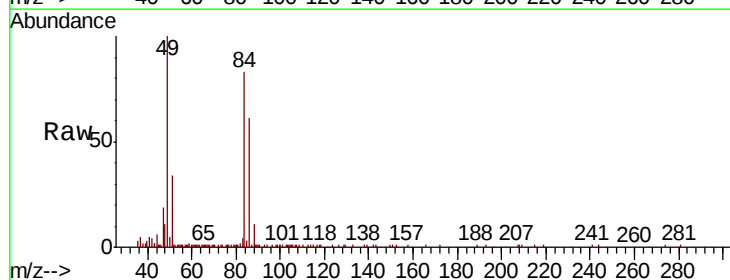
Ion Ratio Lower Upper

84 100

49 120.1 92.4 138.6

51 39.7 28.5 42.7

86 72.3 51.0 76.6



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

15000

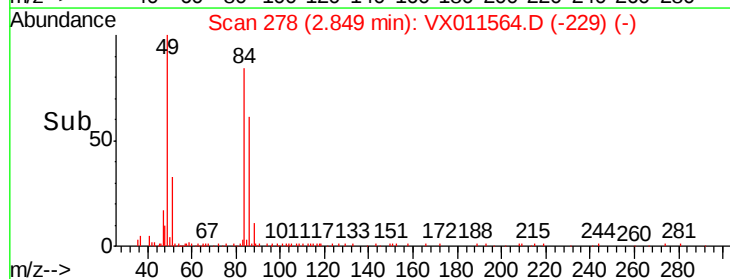
10000

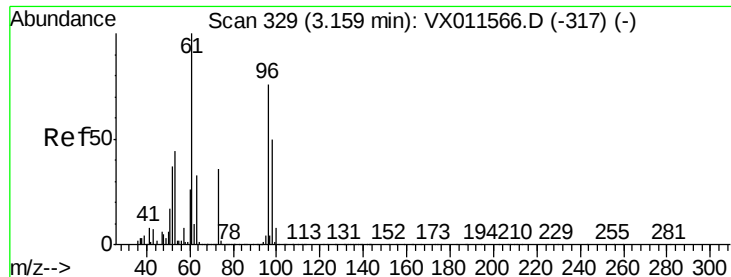
5000

0

2.80 2.90

Time-->





#21

trans-1,2-Dichloroethene

Concen: 5.073 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.01 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

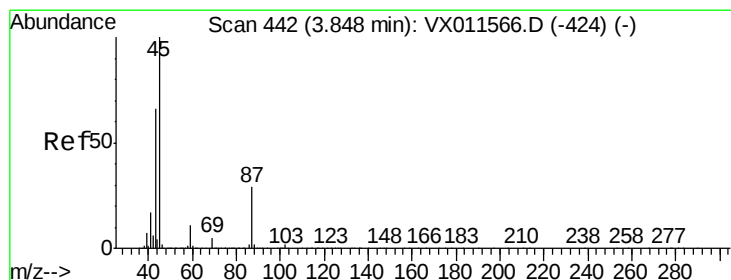
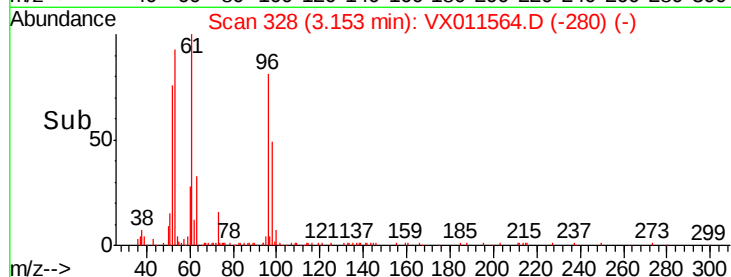
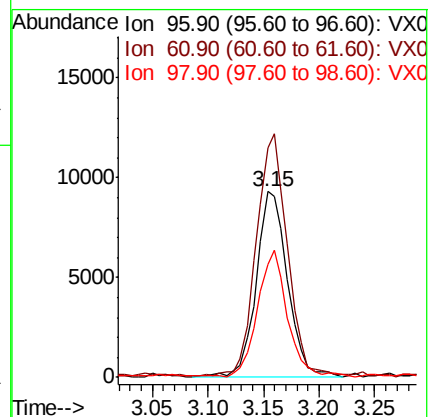
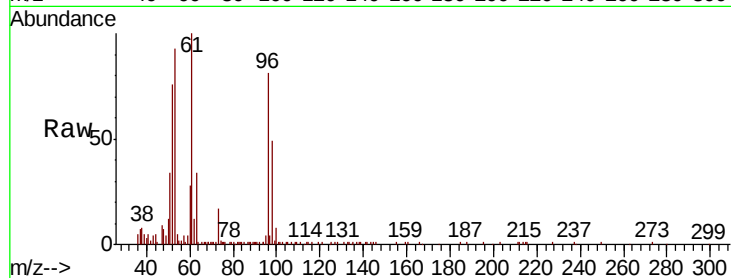
Tgt Ion: 96 Resp: 18375

Ion Ratio Lower Upper

96 100

61 122.2 105.5 158.3

98 59.9 52.6 78.8



#22

Diisopropyl ether

Concen: 5.153 ug/l

RT: 3.85 min Scan# 442

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Tgt Ion: 45 Resp: 55012

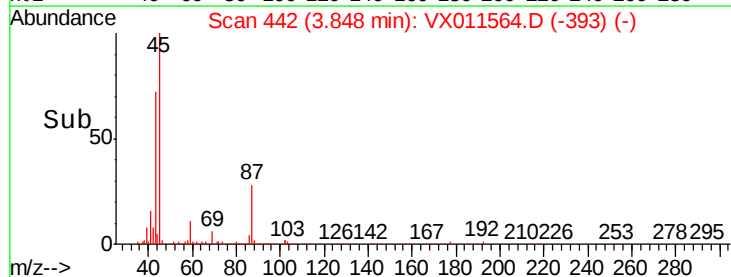
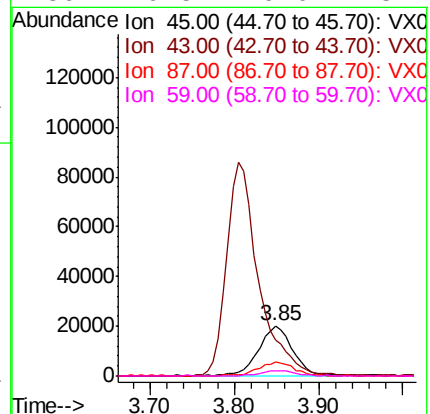
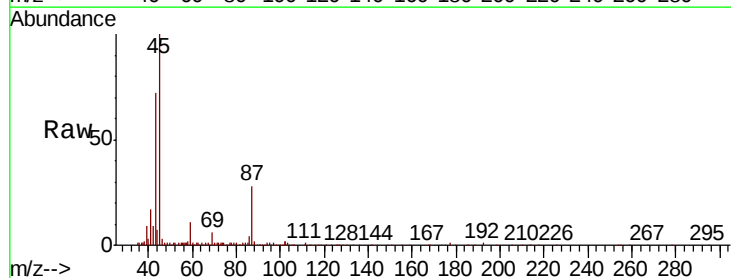
Ion Ratio Lower Upper

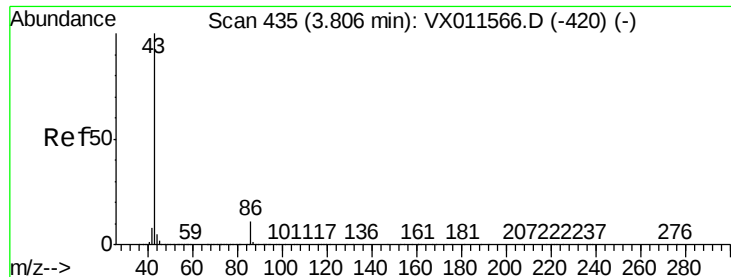
45 100

43 71.9 52.7 79.1

87 28.1 23.5 35.3

59 10.5 9.0 13.4





#23

Vinyl Acetate

Concen: 25.126 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

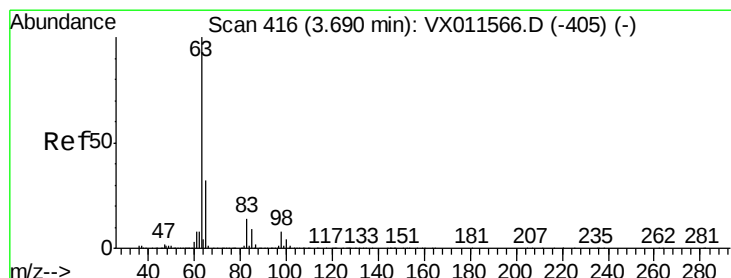
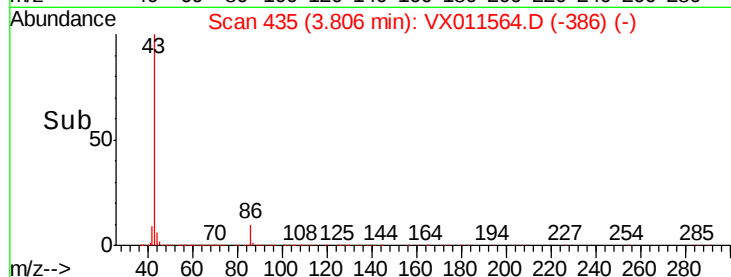
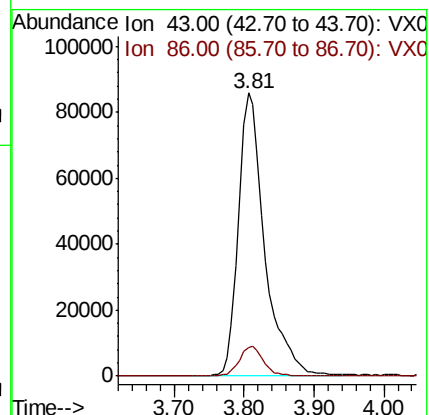
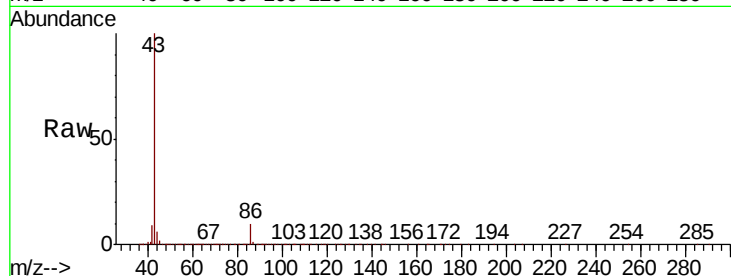
VSTDIC005

Tgt Ion: 43 Resp: 223475

Ion Ratio Lower Upper

43 100

86 9.9 8.6 13.0



#24

1,1-Dichloroethane

Concen: 5.142 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

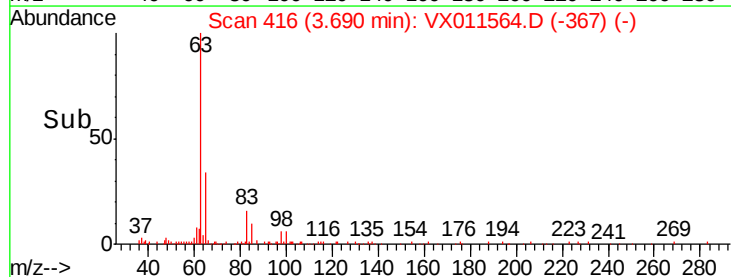
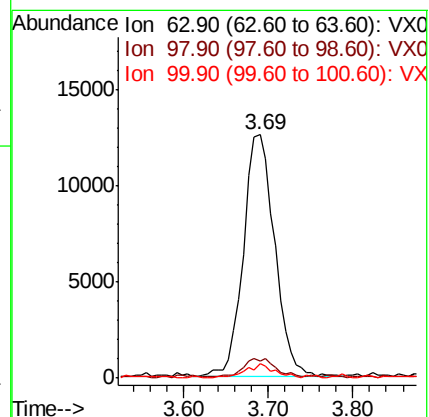
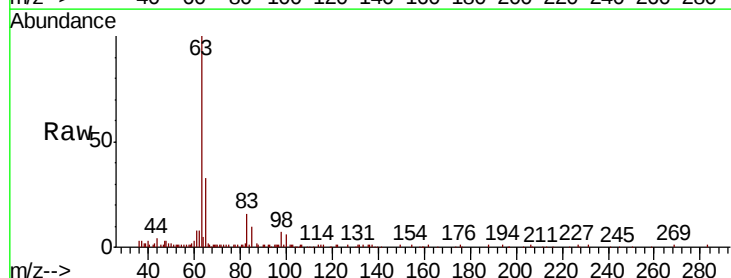
Tgt Ion: 63 Resp: 31600

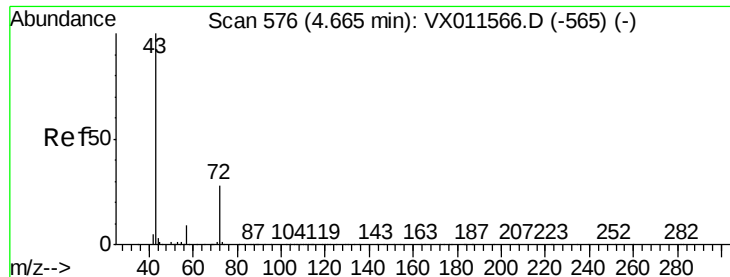
Ion Ratio Lower Upper

63 100

98 6.3 3.7 11.1

100 5.5 2.1 6.3





#25

2-Butanone

Concen: 26.650 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.01 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

ClientSampled :

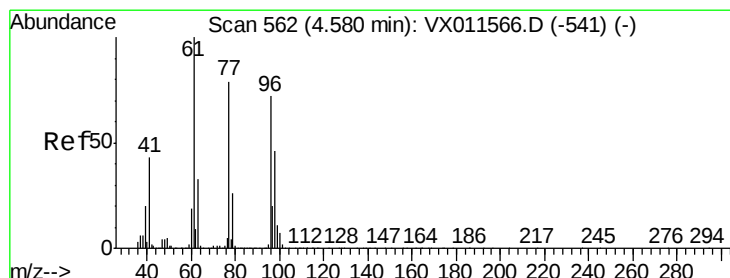
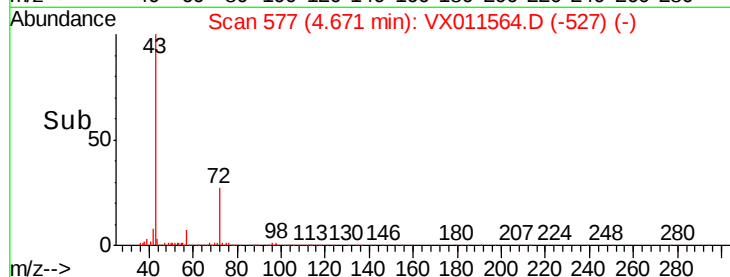
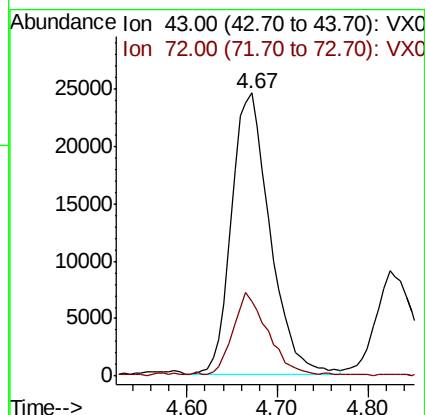
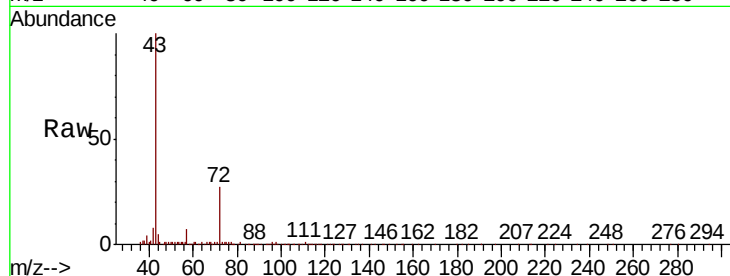
VSTDIC005

Tgt Ion: 43 Resp: 71884

Ion Ratio Lower Upper

43 100

72 26.2 22.2 33.4



#26

2,2-Dichloropropane

Concen: 4.906 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX011564.D

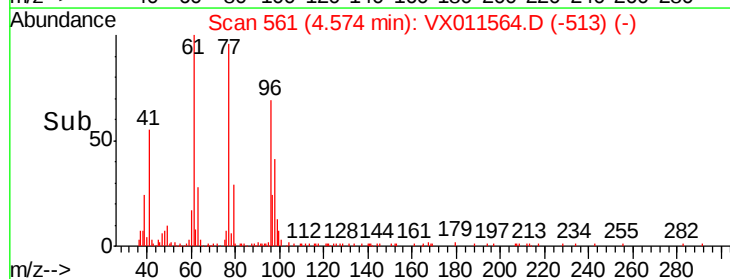
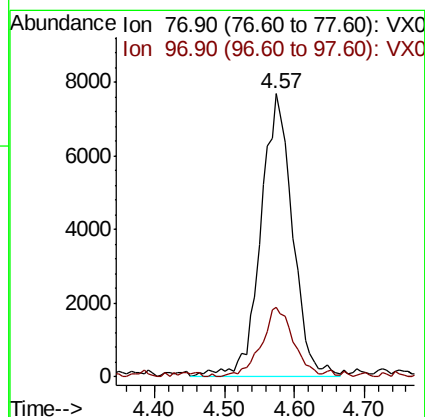
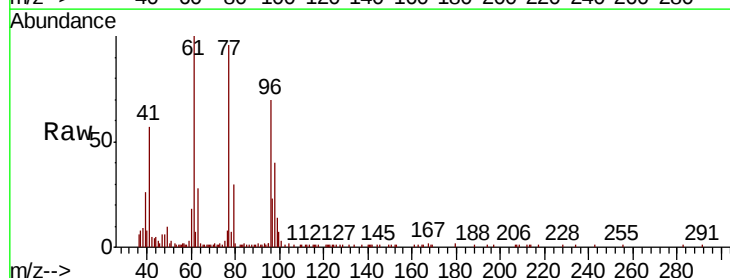
Acq: 15 Aug 2019 18:04

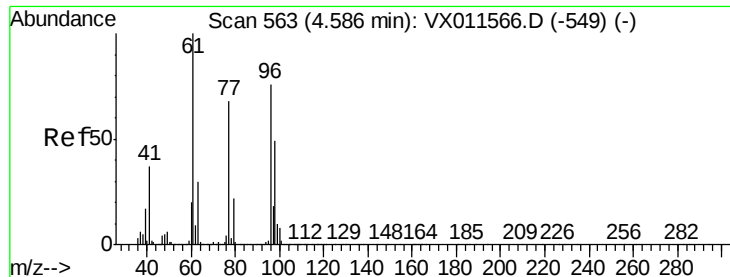
Tgt Ion: 77 Resp: 24373

Ion Ratio Lower Upper

77 100

97 24.5 12.4 37.2



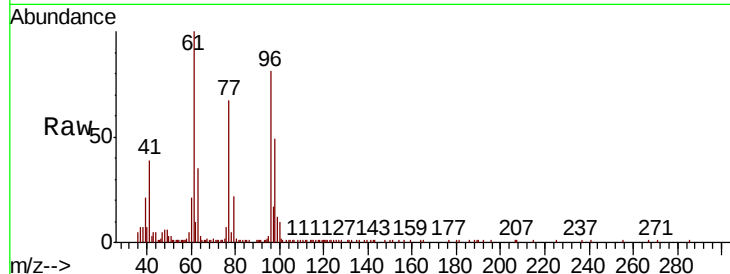


#27

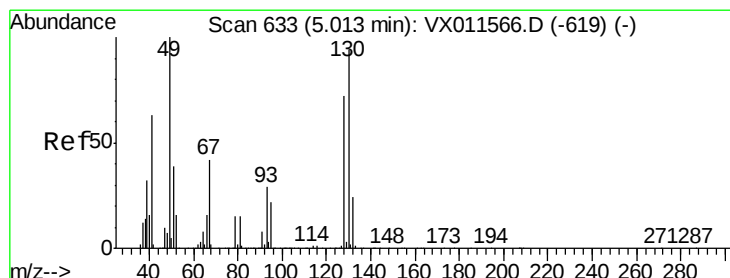
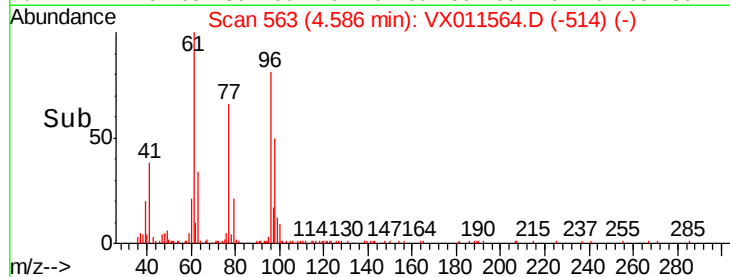
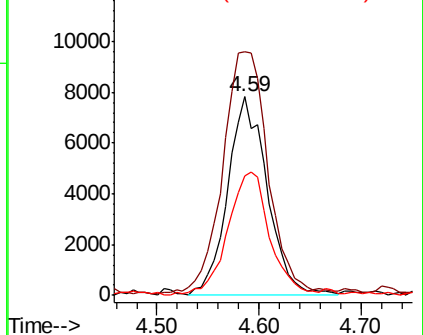
cis-1,2-Dichloroethene
Concen: 5.011 ug/l
RT: 4.59 min Scan# 563
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 96 Resp: 21125
Ion Ratio Lower Upper
96 100
61 138.4 0.0 272.6
98 65.7 0.0 129.4



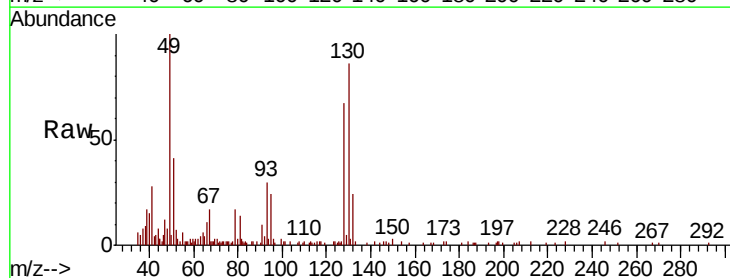
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



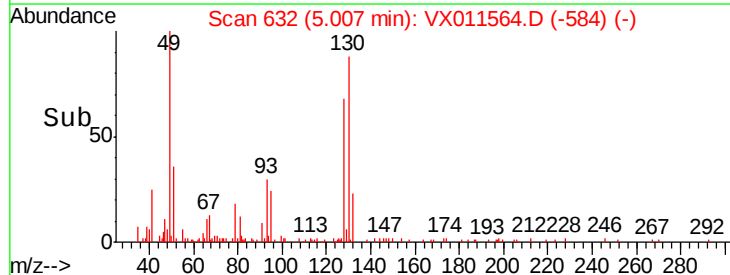
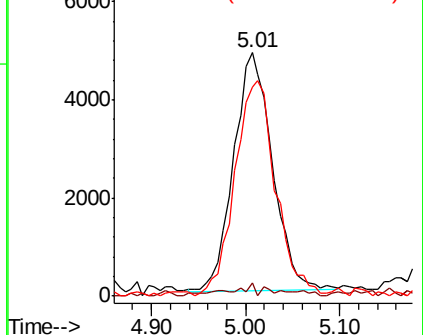
#28

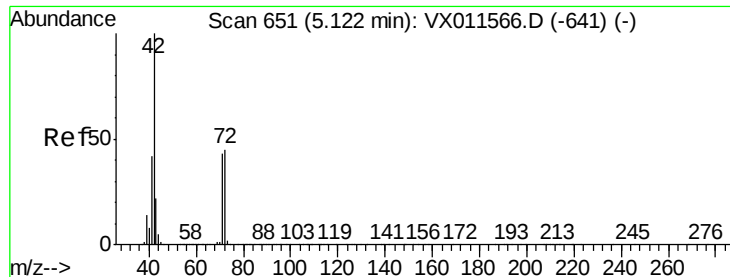
Bromochloromethane
Concen: 4.869 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Tgt Ion: 49 Resp: 14001
Ion Ratio Lower Upper
49 100
129 1.3 0.0 5.0
130 94.9 76.6 115.0



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: 26.001 ug/l

RT: 5.12 min Scan# 651

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

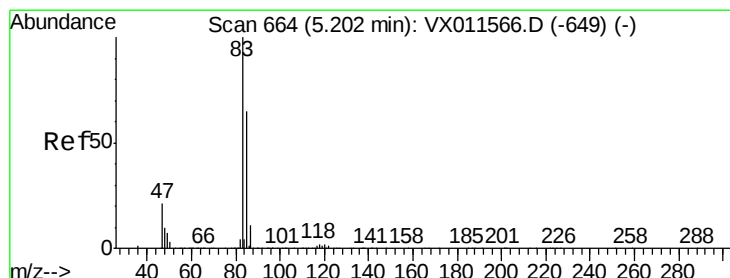
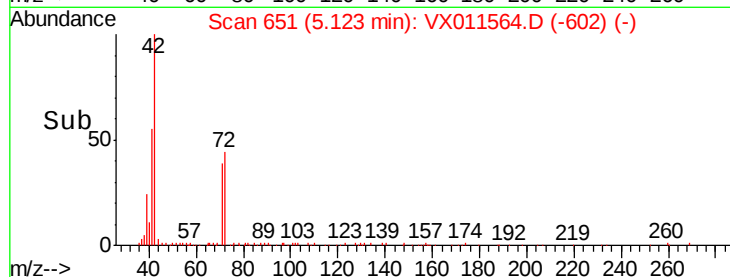
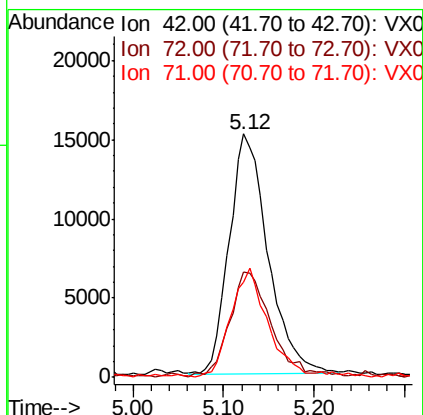
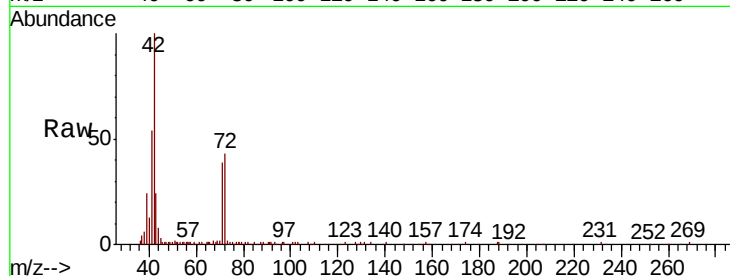
Tgt Ion: 42 Resp: 44872

Ion Ratio Lower Upper

42 100

72 46.8 36.1 54.1

71 42.2 33.8 50.8



#30

Chloroform

Concen: 5.002 ug/l

RT: 5.20 min Scan# 664

Delta R.T. 0.00 min

Lab File: VX011564.D

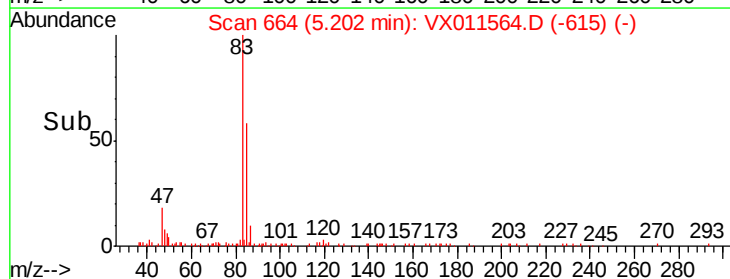
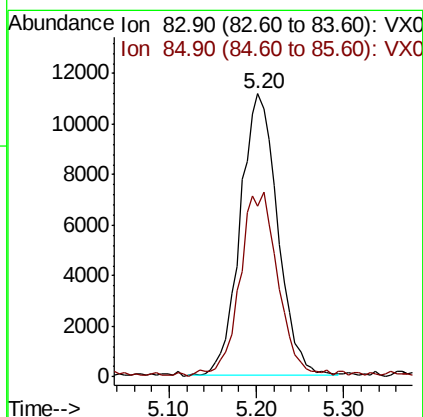
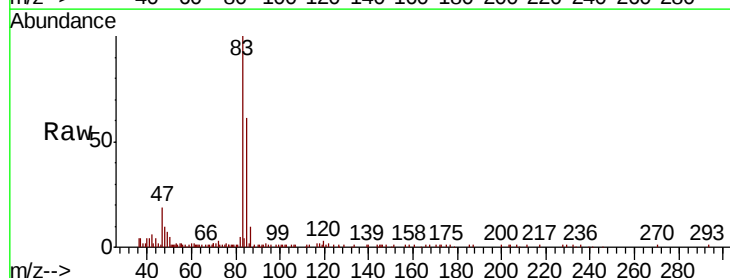
Acq: 15 Aug 2019 18:04

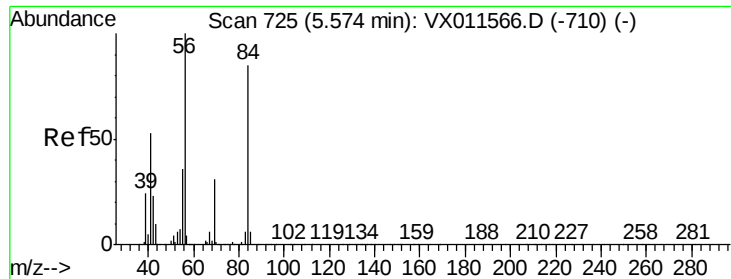
Tgt Ion: 83 Resp: 33145

Ion Ratio Lower Upper

83 100

85 60.8 51.9 77.9

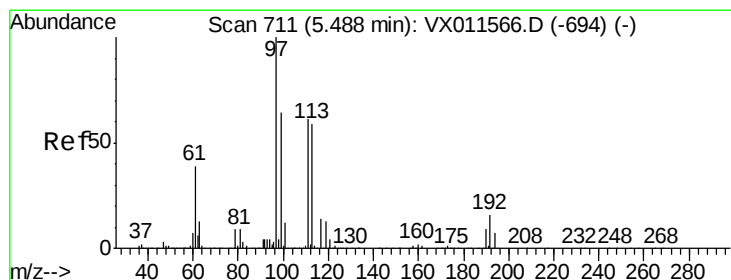
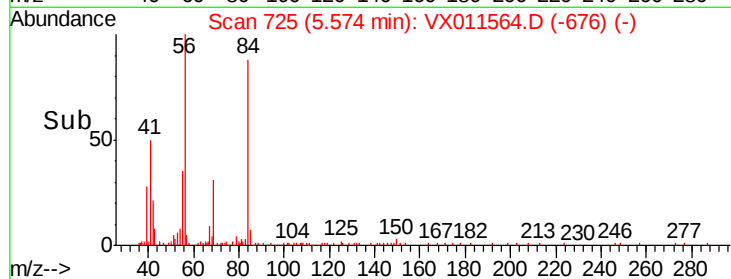
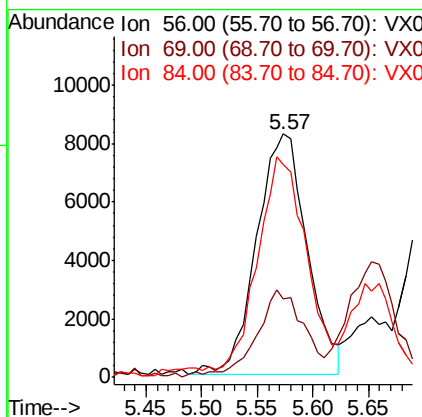
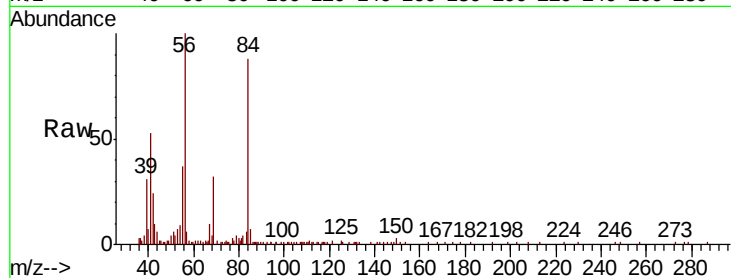




#31
Cyclohexane
Concen: 4.668 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

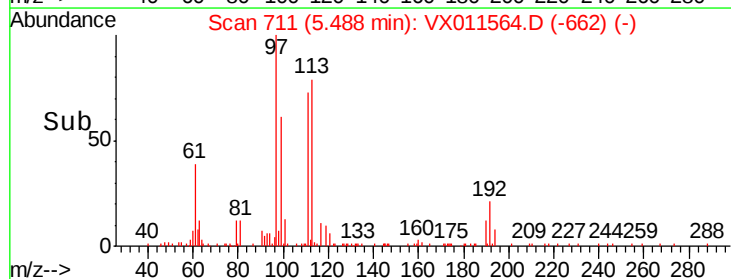
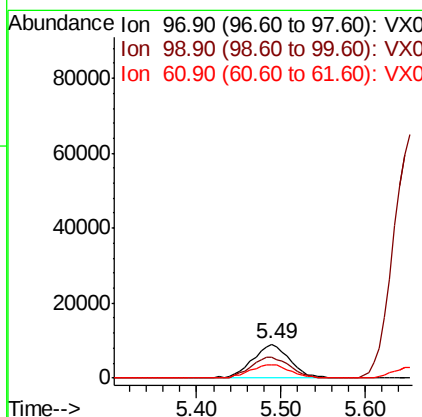
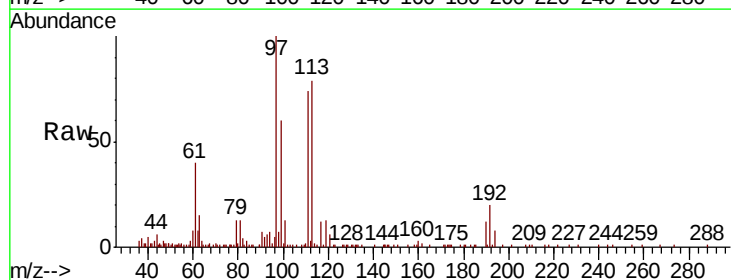
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

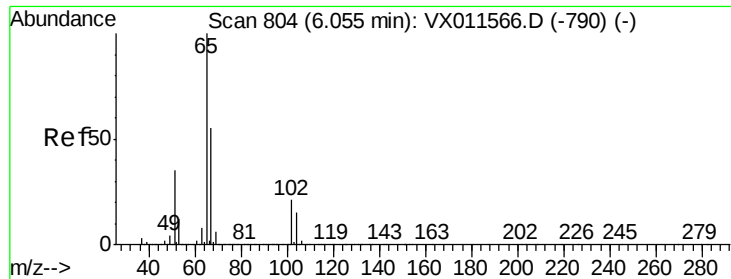
Tgt Ion: 56 Resp: 25999
Ion Ratio Lower Upper
56 100
69 31.4 24.8 37.2
84 84.9 67.9 101.9



#32
1,1,1-Trichloroethane
Concen: 4.787 ug/l
RT: 5.49 min Scan# 711
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Tgt Ion: 97 Resp: 27399
Ion Ratio Lower Upper
97 100
99 60.1 51.4 77.0
61 43.3 31.4 47.2





#33

1,2-Dichloroethane-d4

Concen: 5.582 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

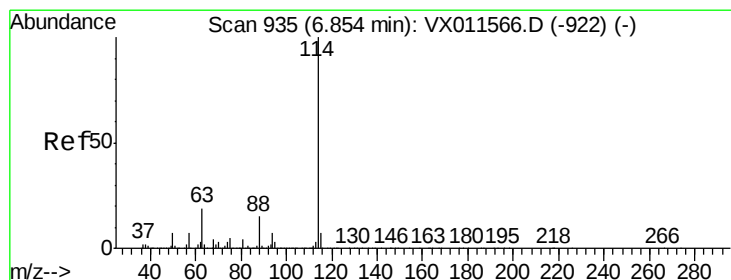
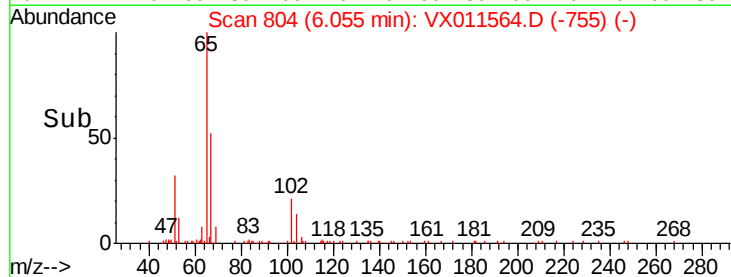
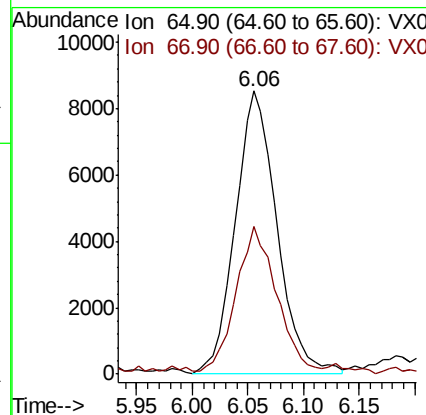
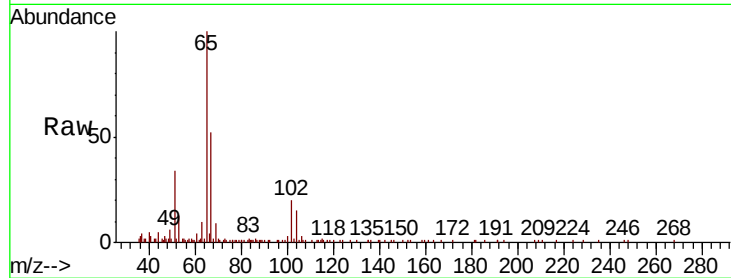
VSTDIC005

Tgt Ion: 65 Resp: 22172

Ion Ratio Lower Upper

65 100

67 49.1 0.0 107.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

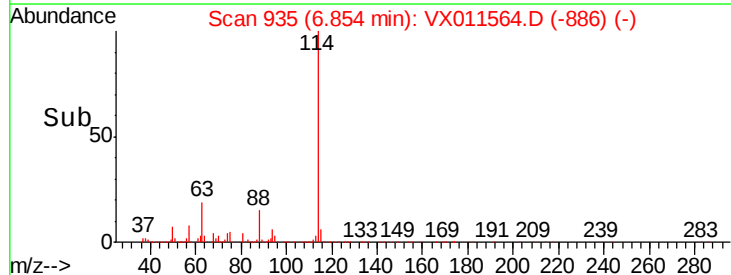
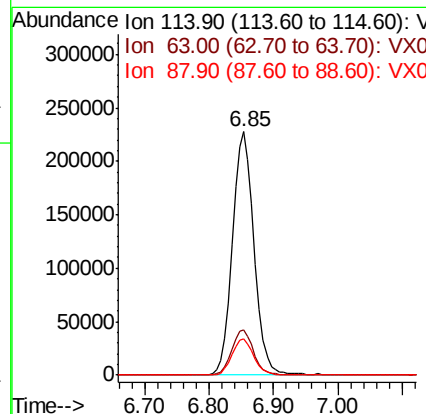
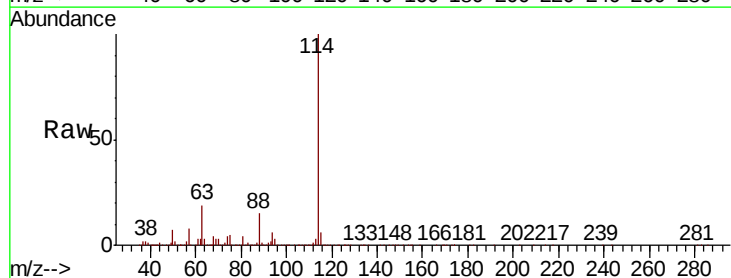
Tgt Ion: 114 Resp: 538345

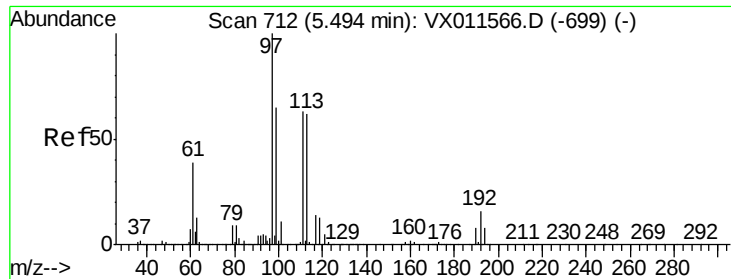
Ion Ratio Lower Upper

114 100

63 18.5 0.0 37.8

88 15.0 0.0 30.2

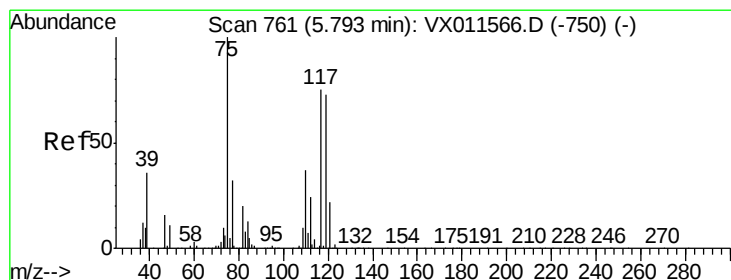
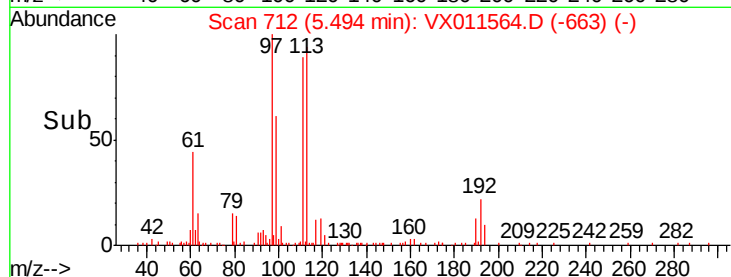
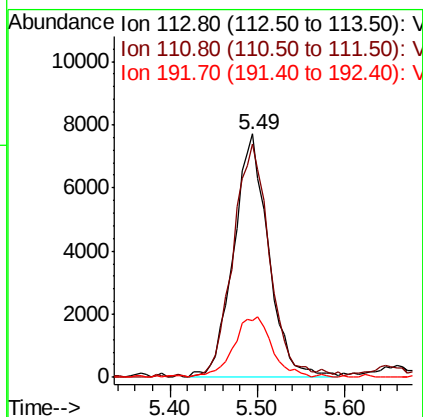
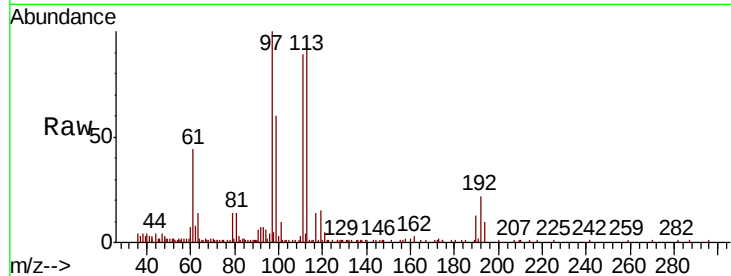




#35
 Dibromofluoromethane
 Concen: 6.321 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011564.D
 Acq: 15 Aug 2019 18:04

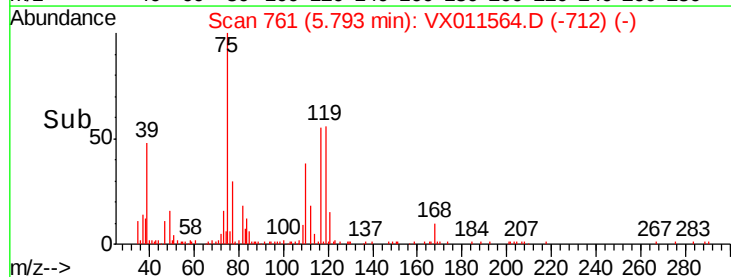
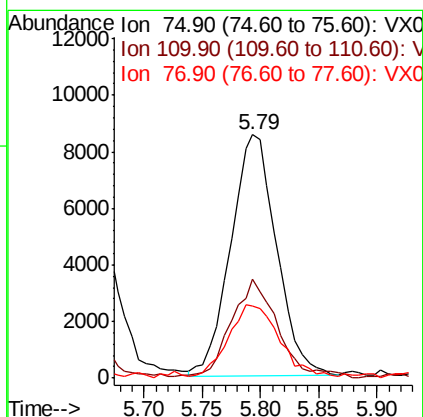
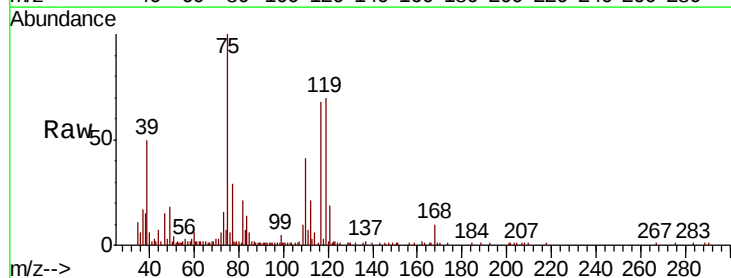
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

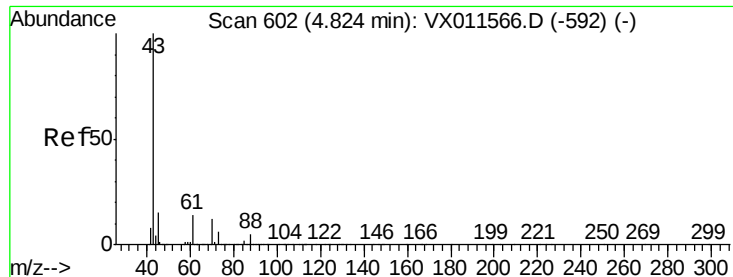
Tgt Ion:113 Resp: 21441
 Ion Ratio Lower Upper
 113 100
 111 99.7 81.1 121.7
 192 27.1 20.8 31.2



#36
 1,1-Dichloropropene
 Concen: 5.227 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: VX011564.D
 Acq: 15 Aug 2019 18:04

Tgt Ion: 75 Resp: 23375
 Ion Ratio Lower Upper
 75 100
 110 42.0 19.4 58.1
 77 32.5 25.1 37.7

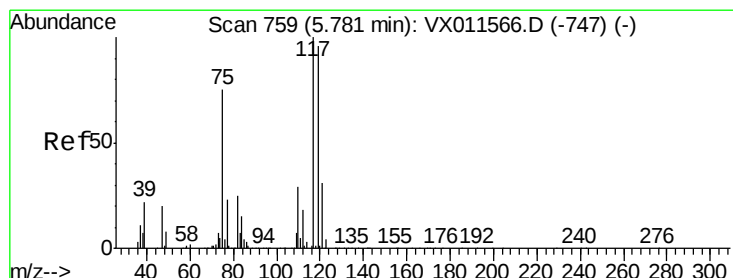
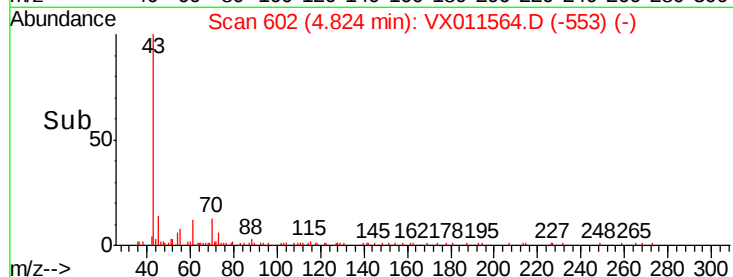
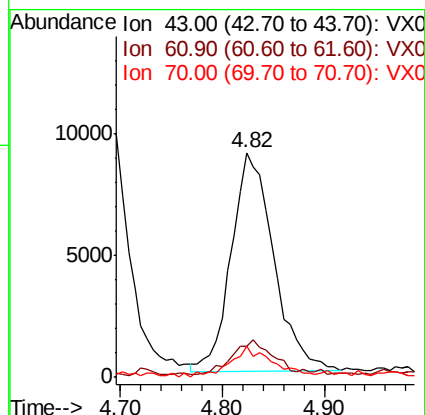
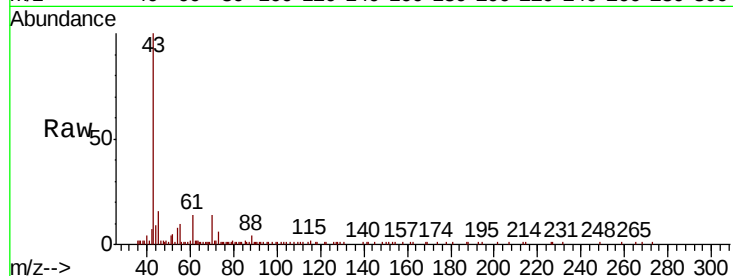




#37
 Ethyl Acetate
 Concen: 5.593 ug/l
 RT: 4.82 min Scan# 602
 Delta R.T. 0.00 min
 Lab File: VX011564.D
 Acq: 15 Aug 2019 18:04

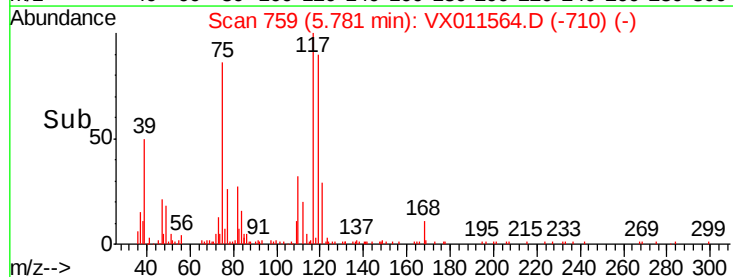
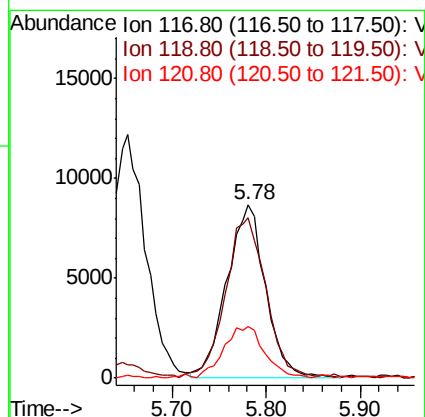
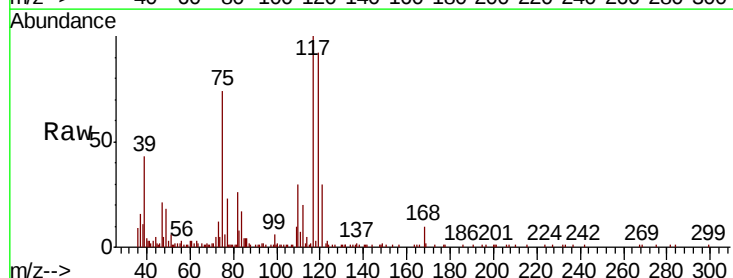
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

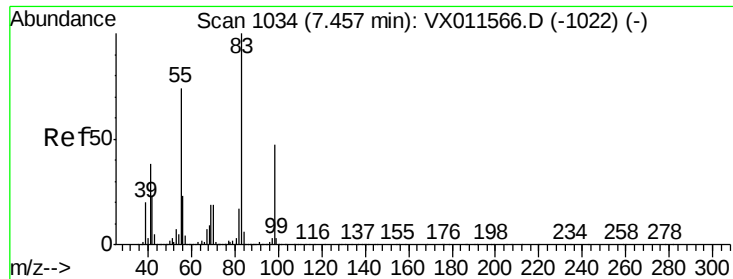
Tgt Ion: 43 Resp: 26058
 Ion Ratio Lower Upper
 43 100
 61 15.9 11.4 17.0
 70 14.3 9.0 13.6#



#38
 Carbon Tetrachloride
 Concen: 5.279 ug/l
 RT: 5.78 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: VX011564.D
 Acq: 15 Aug 2019 18:04

Tgt Ion: 117 Resp: 24806
 Ion Ratio Lower Upper
 117 100
 119 90.9 76.9 115.3
 121 29.1 24.8 37.2

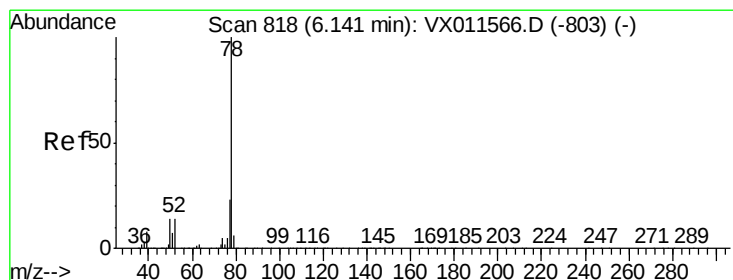
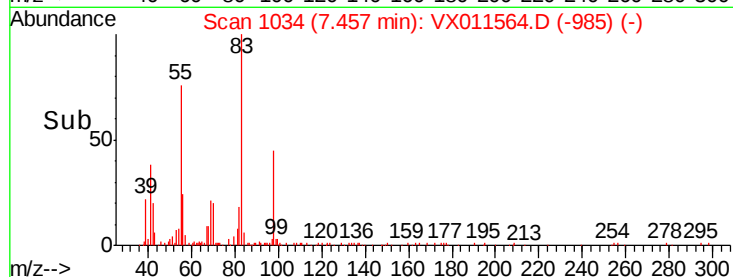
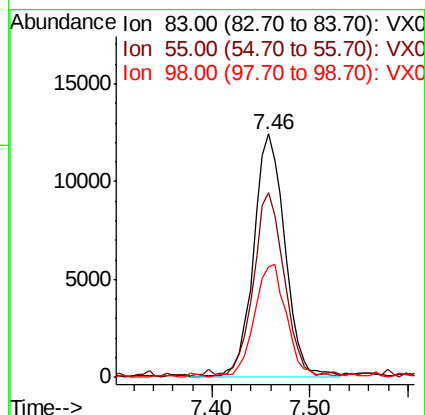
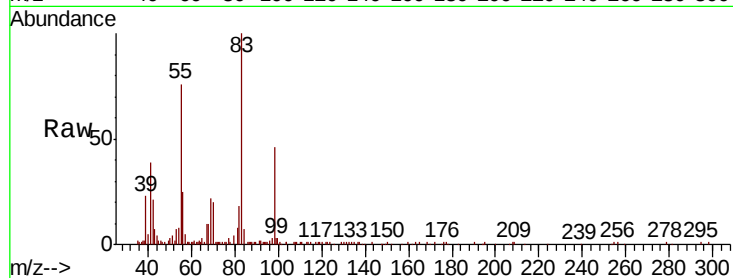




#39
Methylcyclohexane
Concen: 4.824 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

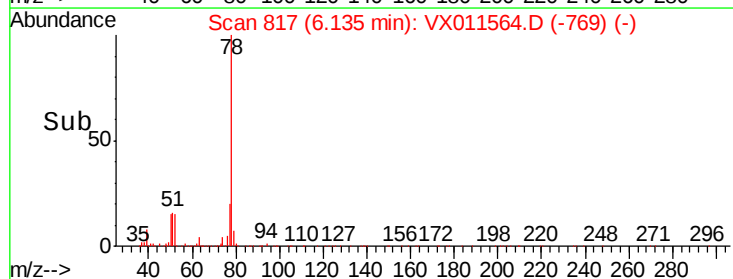
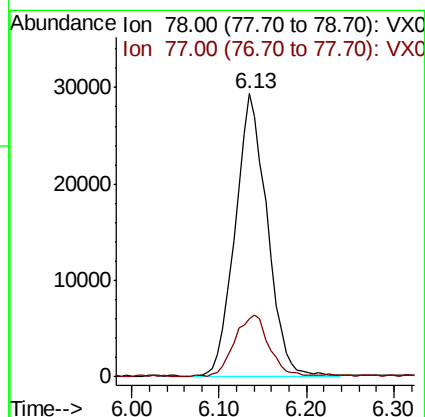
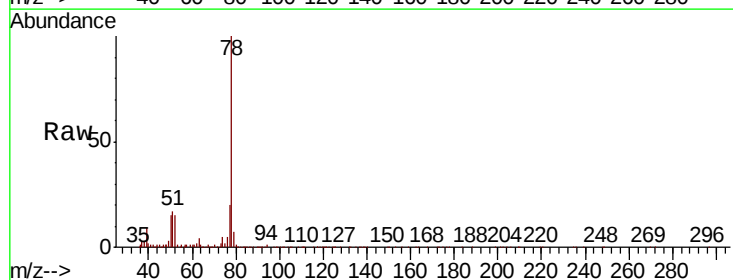
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

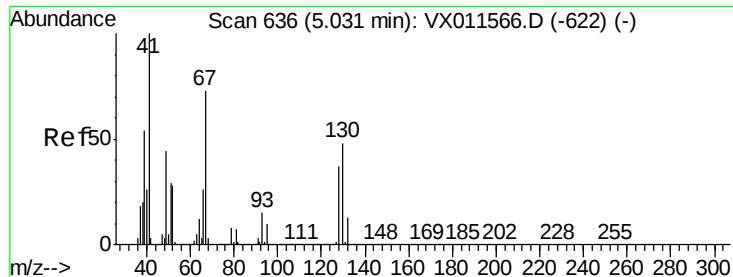
Tgt Ion: 83 Resp: 27744
Ion Ratio Lower Upper
83 100
55 74.2 58.8 88.2
98 44.1 37.8 56.6



#40
Benzene
Concen: 5.481 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Tgt Ion: 78 Resp: 75124
Ion Ratio Lower Upper
78 100
77 20.1 18.6 28.0





#41

Methacrylonitrile

Concen: 5.300 ug/l

RT: 5.04 min Scan# 637

Delta R.T. 0.01 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 41 Resp: 14184

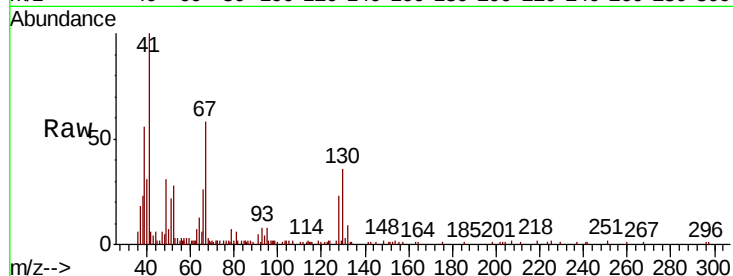
Ion Ratio Lower Upper

41 100

39 66.7 43.5 65.3#

67 72.8 59.4 89.2

52 37.8 23.4 35.2#

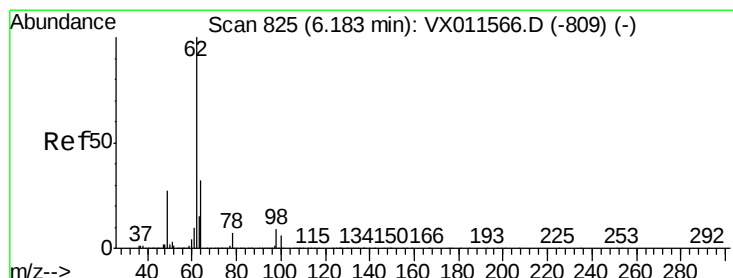
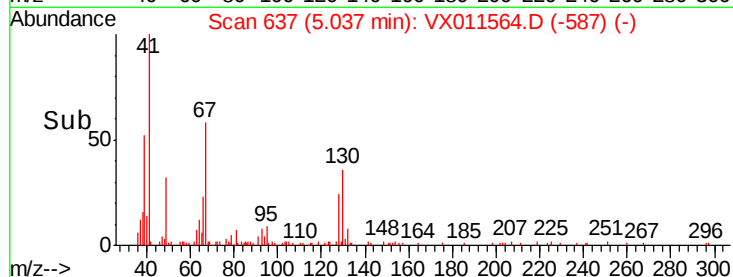
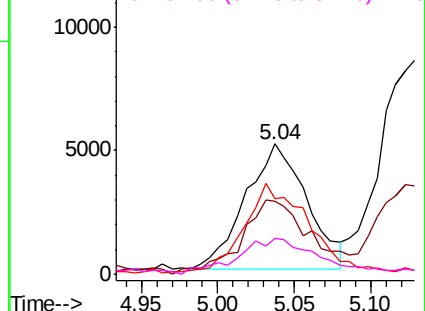


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 5.544 ug/l

RT: 6.19 min Scan# 826

Delta R.T. 0.01 min

Lab File: VX011564.D

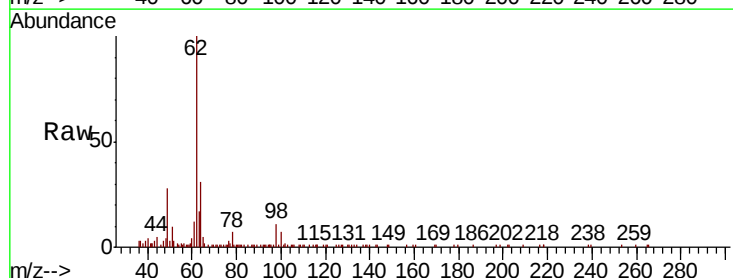
Acq: 15 Aug 2019 18:04

Tgt Ion: 62 Resp: 26633

Ion Ratio Lower Upper

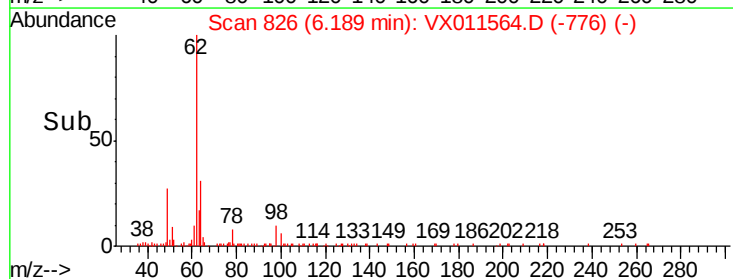
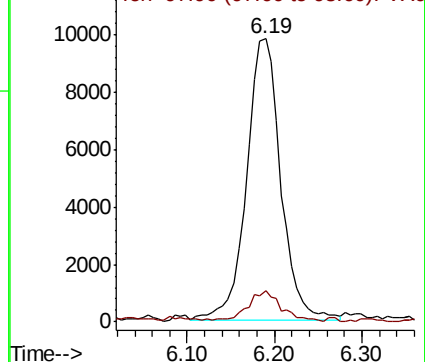
62 100

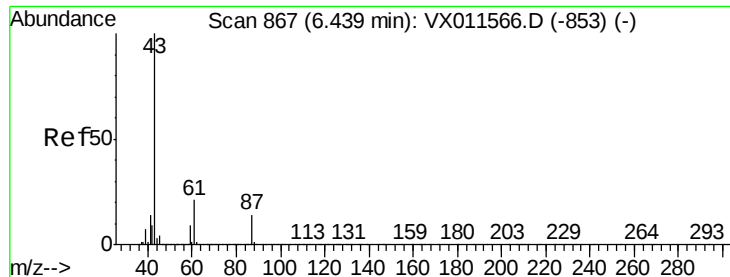
98 11.2 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 5.188 ug/l

RT: 6.44 min Scan# 867

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

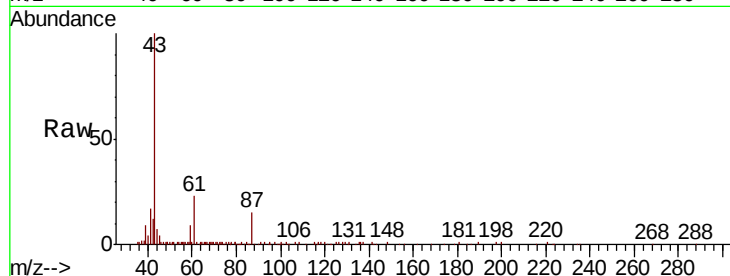
Tgt Ion: 43 Resp: 39511

Ion Ratio Lower Upper

43 100

61 22.4 16.6 24.8

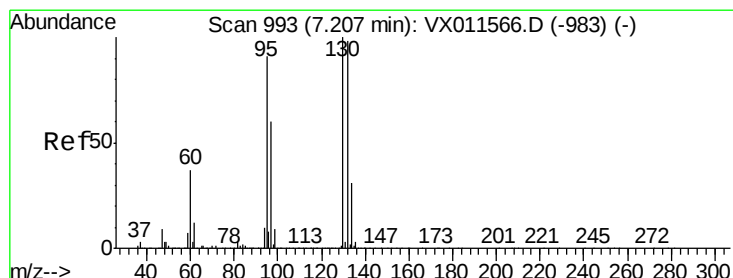
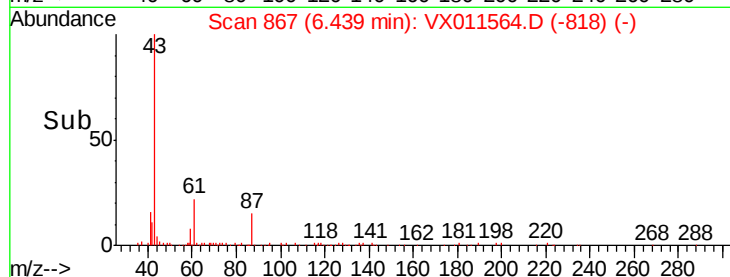
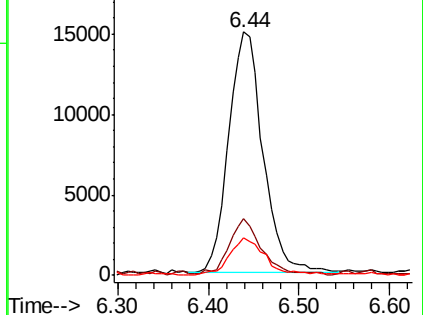
87 15.4 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 5.289 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX011564.D

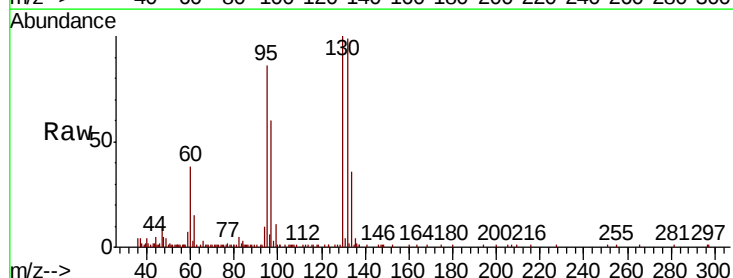
Acq: 15 Aug 2019 18:04

Tgt Ion: 130 Resp: 21489

Ion Ratio Lower Upper

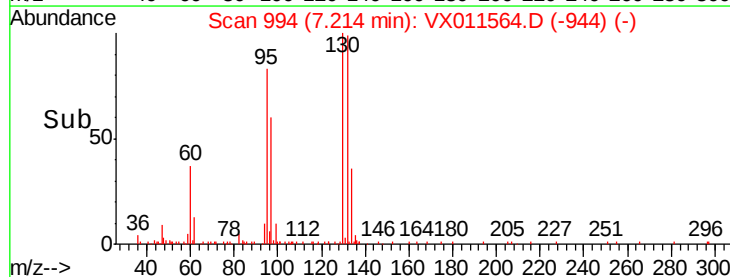
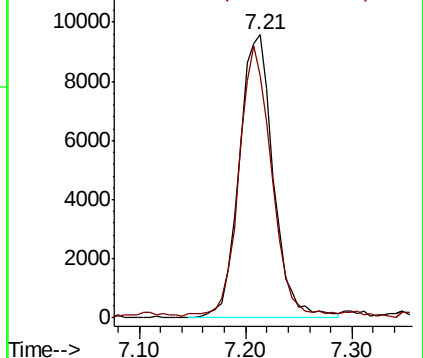
130 100

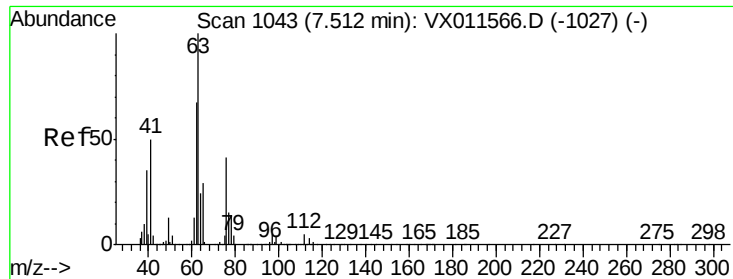
95 84.3 0.0 181.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

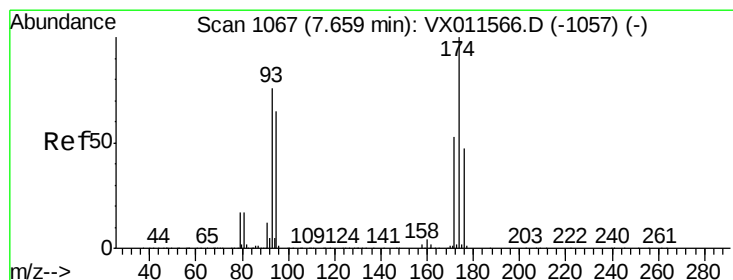
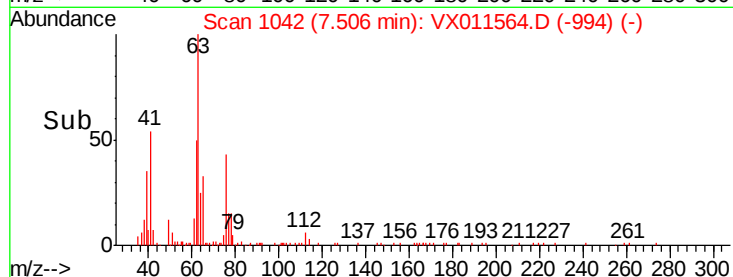
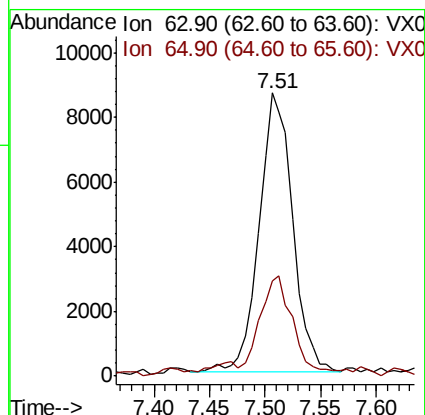
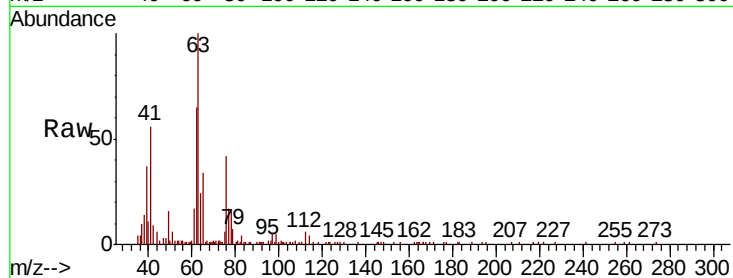




#45
 1,2-Dichloropropane
 Concen: 5.194 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX011564.D
 Acq: 15 Aug 2019 18:04

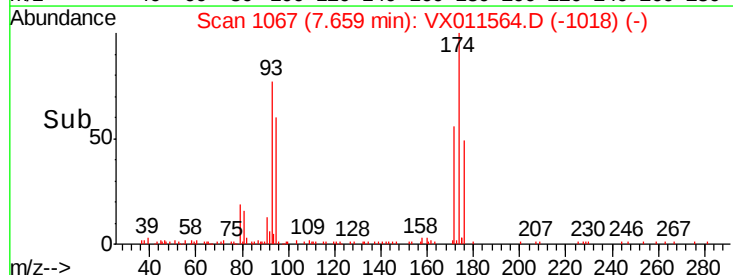
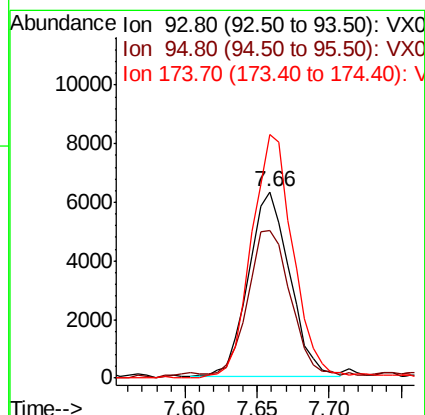
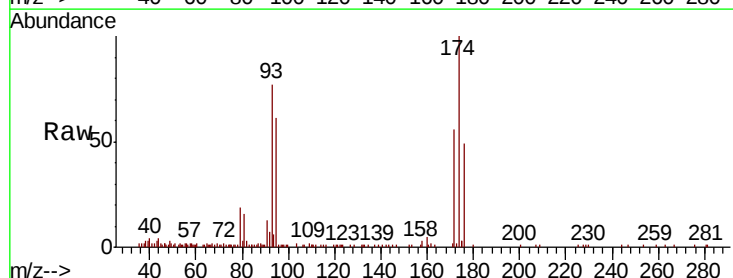
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

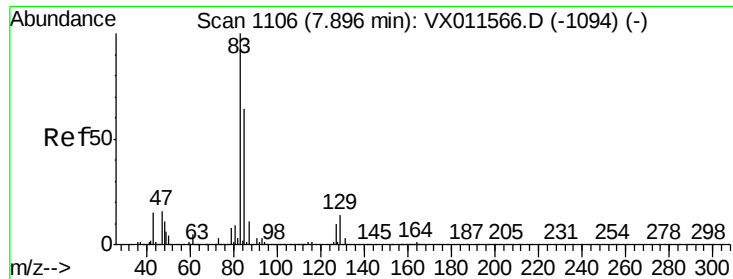
Tgt Ion: 63 Resp: 18184
 Ion Ratio Lower Upper
 63 100
 65 32.3 23.4 35.2



#46
 Dibromomethane
 Concen: 4.984 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX011564.D
 Acq: 15 Aug 2019 18:04

Tgt Ion: 93 Resp: 12356
 Ion Ratio Lower Upper
 93 100
 95 85.9 67.2 100.8
 174 135.4 105.5 158.3





#47

Bromodichloromethane

Concen: 4.907 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

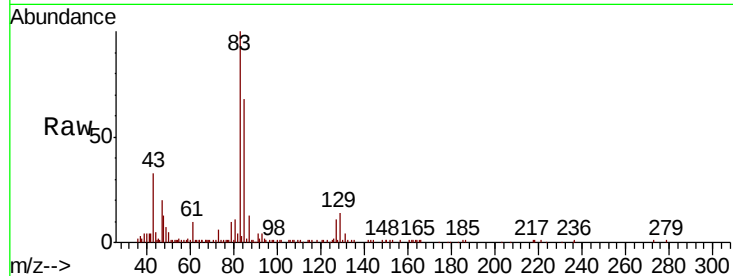
Tgt Ion: 83 Resp: 21893

Ion Ratio Lower Upper

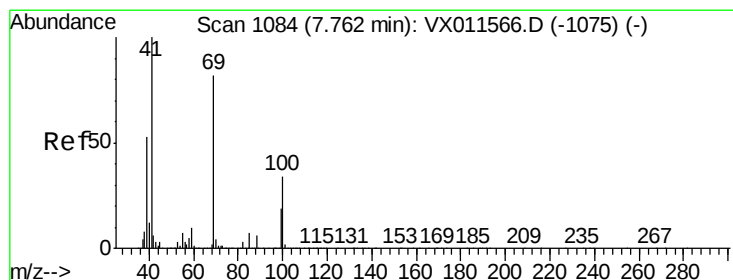
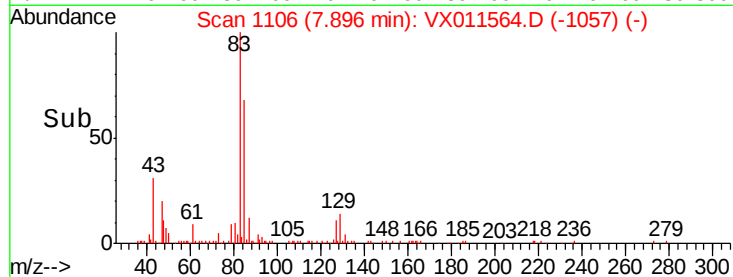
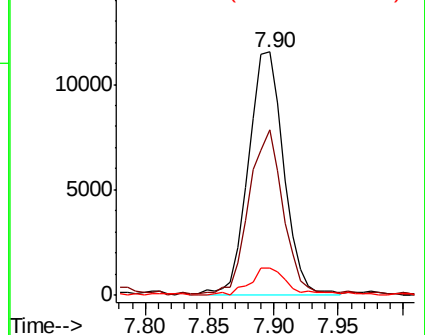
83 100

85 67.3 51.2 76.8

127 11.3 8.1 12.1



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: 5.313 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

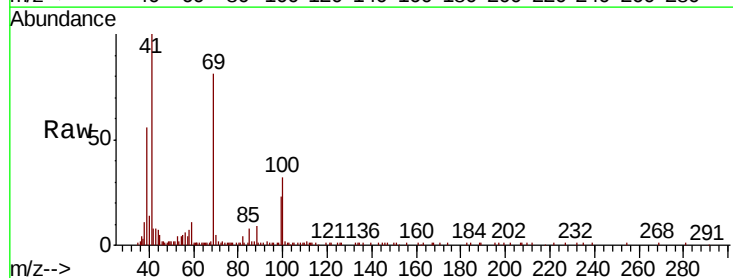
Tgt Ion: 41 Resp: 19917

Ion Ratio Lower Upper

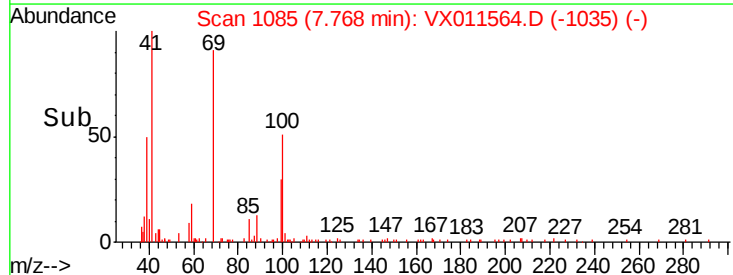
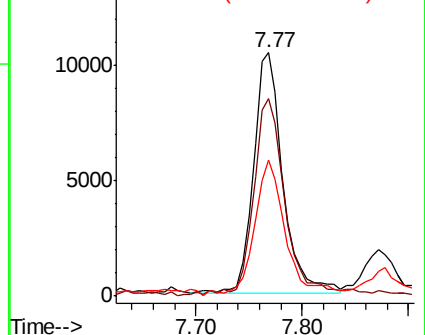
41 100

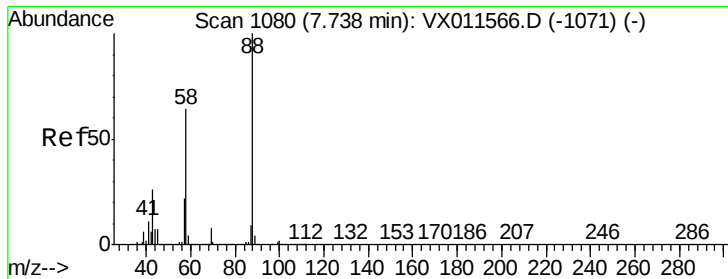
69 88.9 67.9 101.9

39 61.1 41.6 62.4



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: 100.803 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

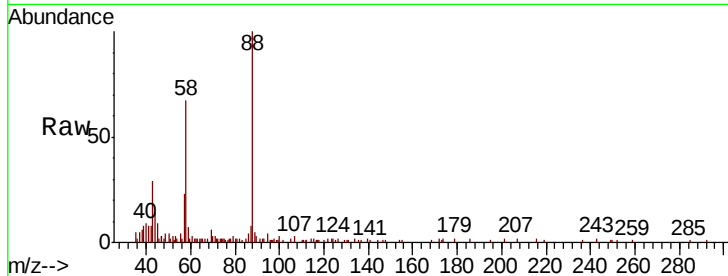
Tgt Ion: 88 Resp: 10403

Ion Ratio Lower Upper

88 100

43 32.4 23.4 35.0

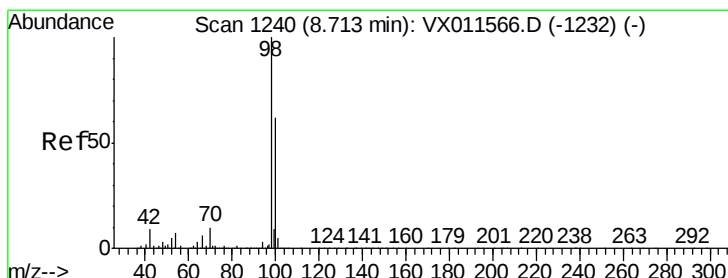
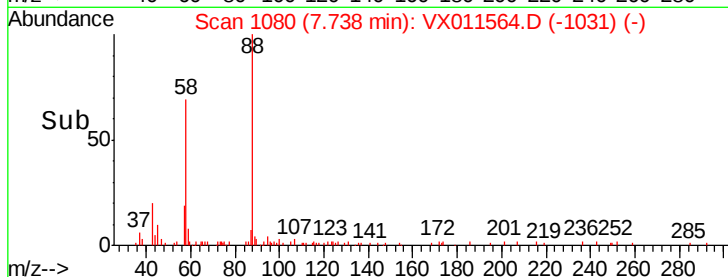
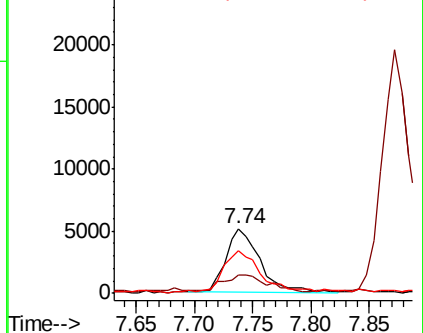
58 74.5 54.3 81.5



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 5.081 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011564.D

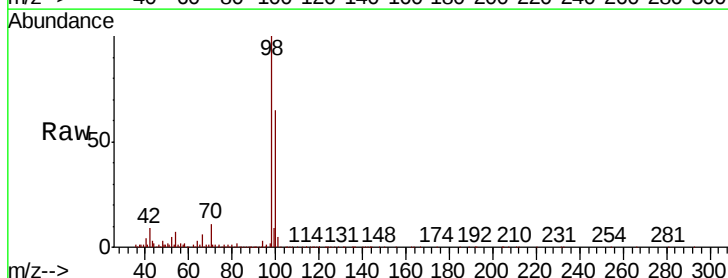
Acq: 15 Aug 2019 18:04

Tgt Ion: 98 Resp: 62662

Ion Ratio Lower Upper

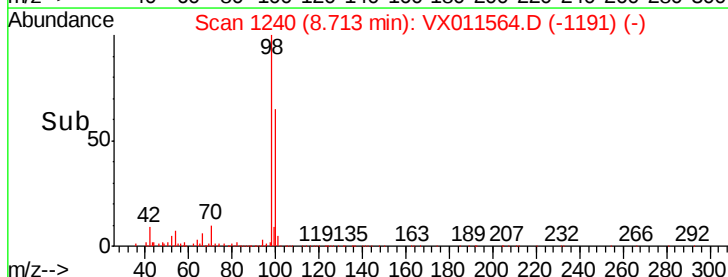
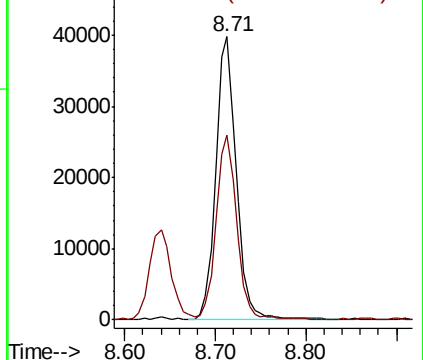
98 100

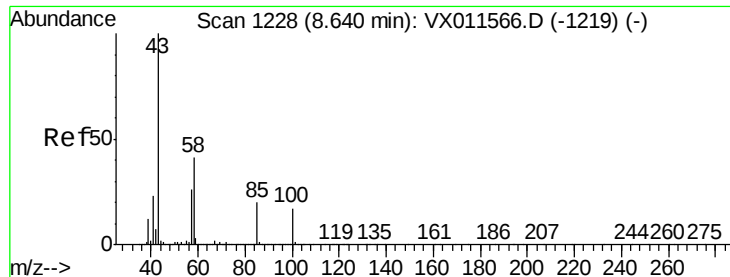
100 66.0 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

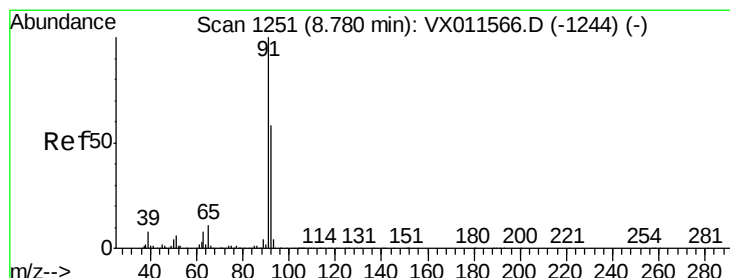
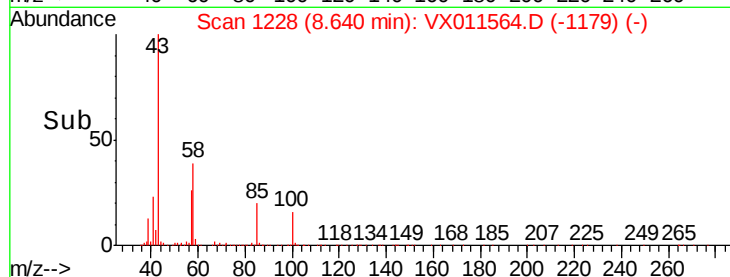
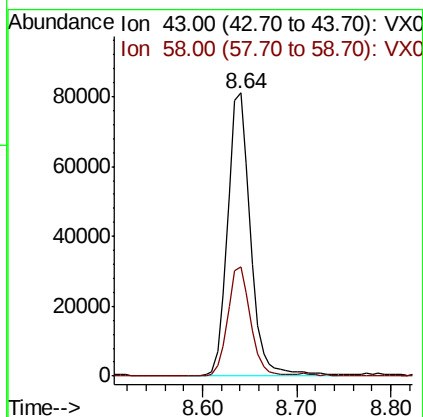
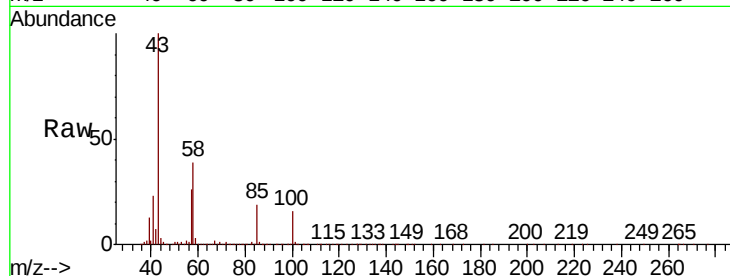




#51
 4-Methyl-2-Pentanone
 Concen: 27.394 ug/l
 RT: 8.64 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VX011564.D
 Acq: 15 Aug 2019 18:04

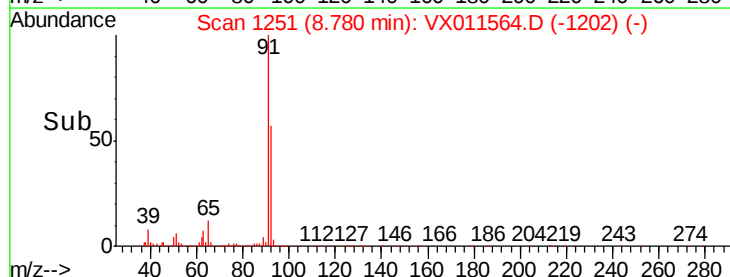
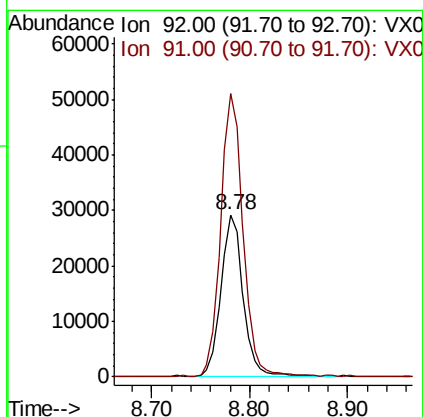
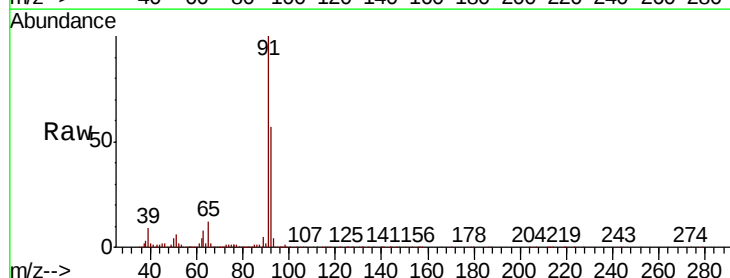
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

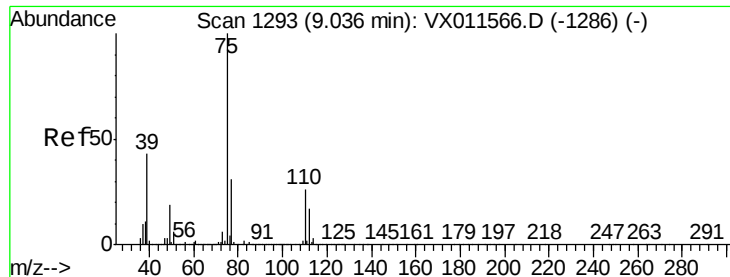
Tgt Ion: 43 Resp: 135792
 Ion Ratio Lower Upper
 43 100
 58 38.3 31.8 47.6



#52
 Toluene
 Concen: 5.115 ug/l
 RT: 8.78 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VX011564.D
 Acq: 15 Aug 2019 18:04

Tgt Ion: 92 Resp: 45871
 Ion Ratio Lower Upper
 92 100
 91 176.1 138.0 207.0





#53

t-1,3-Dichloropropene

Concen: 4.540 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

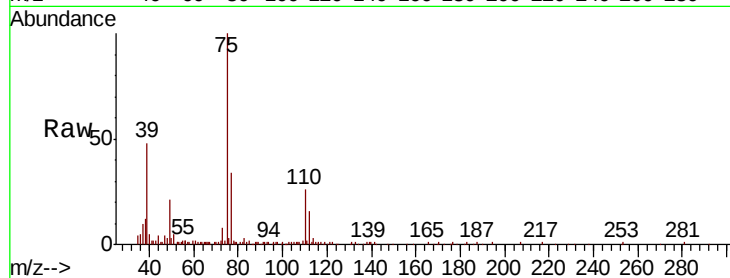
VSTDIC005

Tgt Ion: 75 Resp: 21708

Ion Ratio Lower Upper

75 100

77 33.5 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

15000

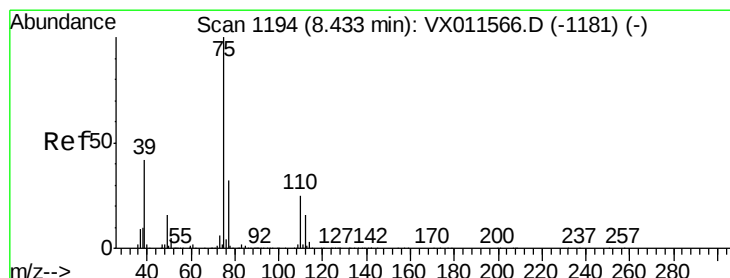
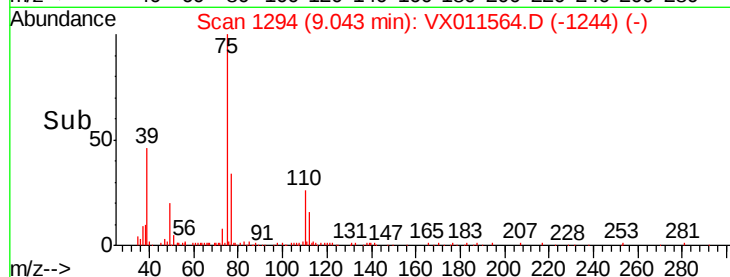
10000

5000

0

8.95 9.00 9.05 9.10 9.15

Time-->



#54

cis-1,3-Dichloropropene

Concen: 4.646 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

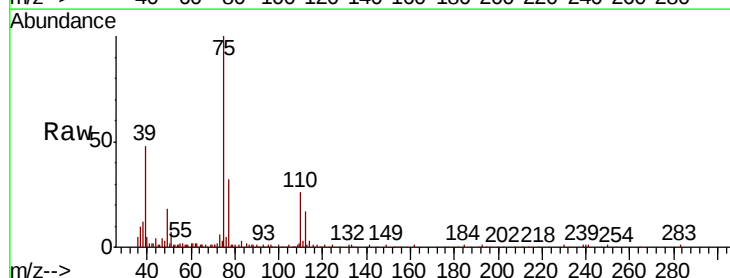
Tgt Ion: 75 Resp: 24646

Ion Ratio Lower Upper

75 100

77 31.3 25.5 38.3

39 46.4 33.6 50.4



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

20000

15000

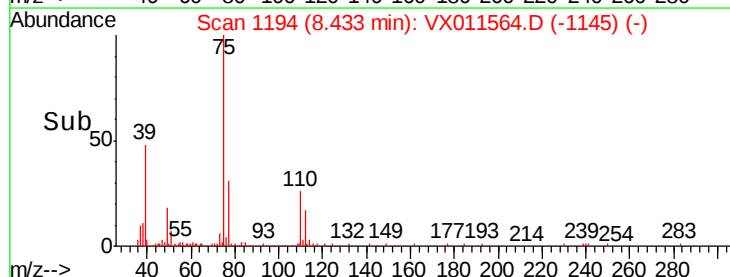
10000

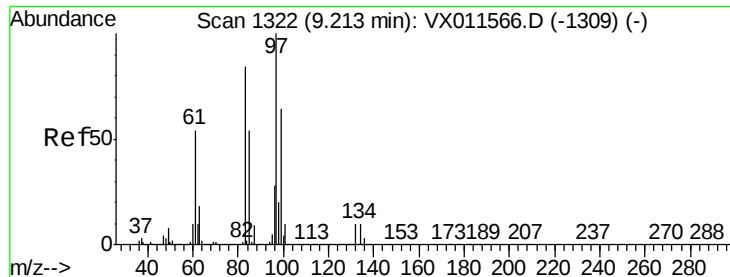
5000

0

8.35 8.40 8.45 8.50

Time-->





#55

1,1,2-Trichloroethane

Concen: 5.257 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 97 Resp: 19486

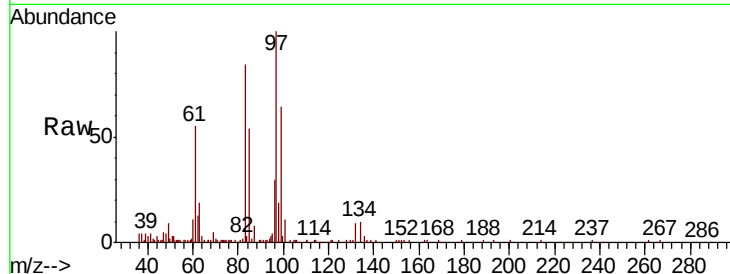
Ion Ratio Lower Upper

97 100

83 83.5 67.4 101.0

85 53.6 43.4 65.2

99 62.1 51.1 76.7

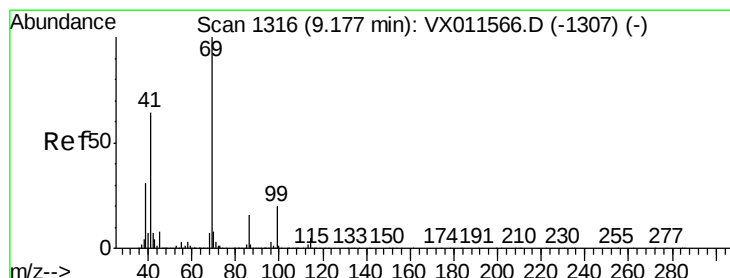
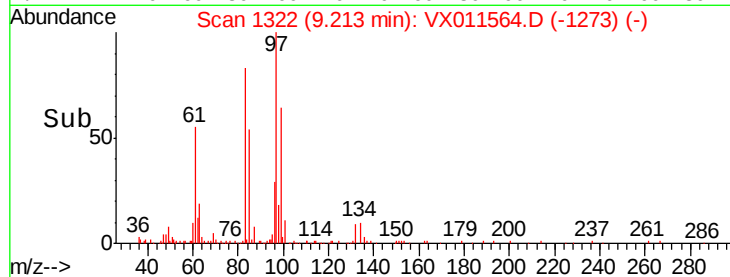
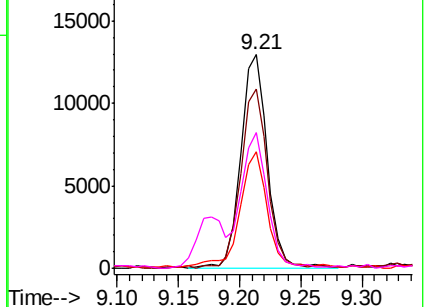


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 5.001 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

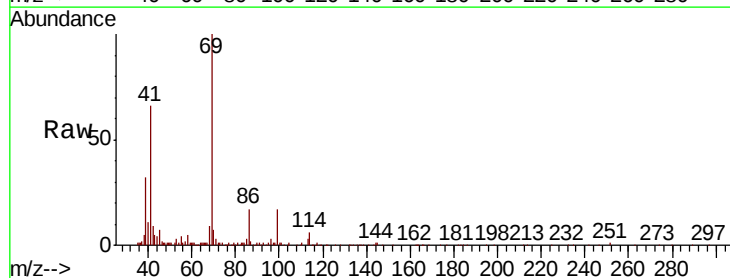
Tgt Ion: 69 Resp: 27170

Ion Ratio Lower Upper

69 100

41 64.2 52.1 78.1

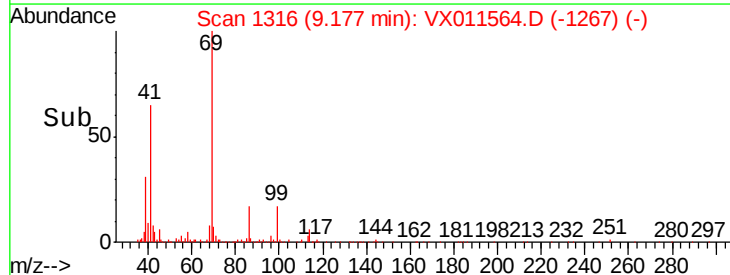
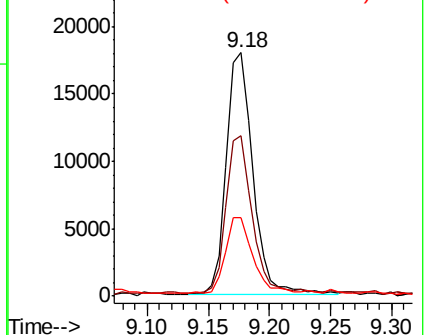
39 32.7 25.4 38.0

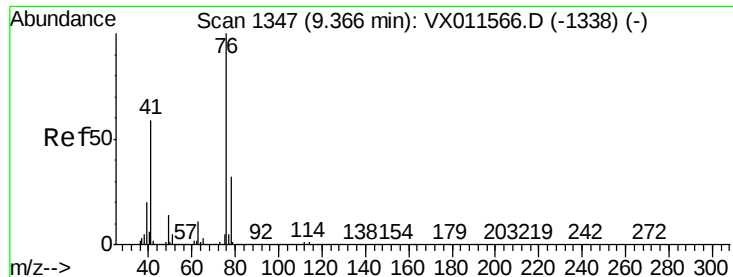


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 5.304 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

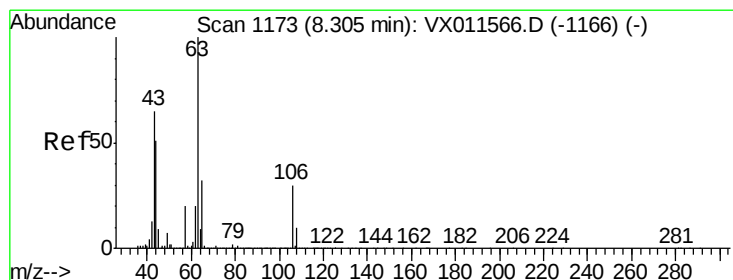
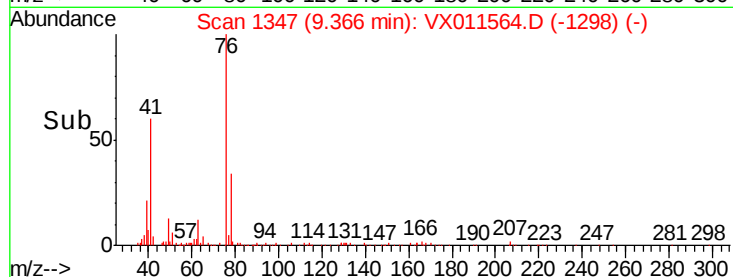
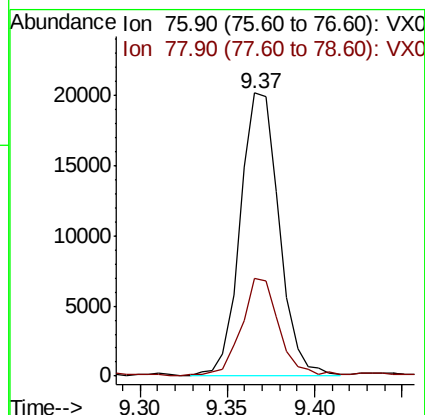
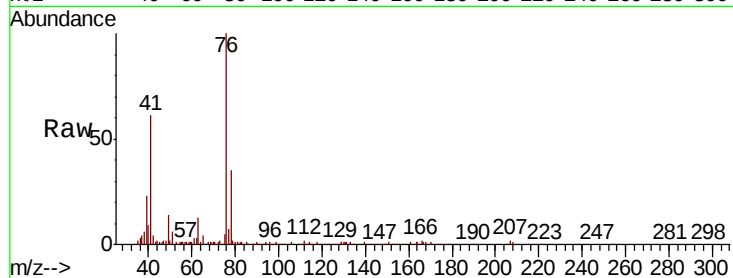
VSTDIC005

Tgt Ion: 76 Resp: 31272

Ion Ratio Lower Upper

76 100

78 33.8 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 24.677 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VX011564.D

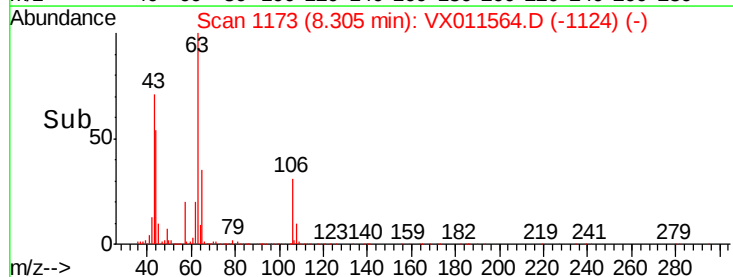
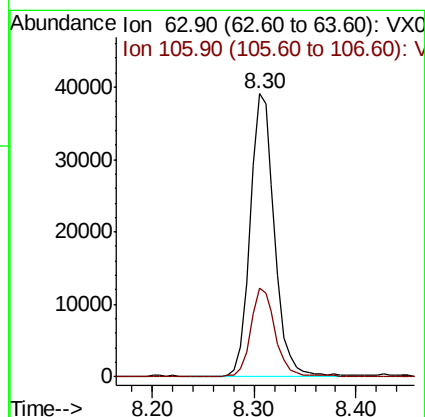
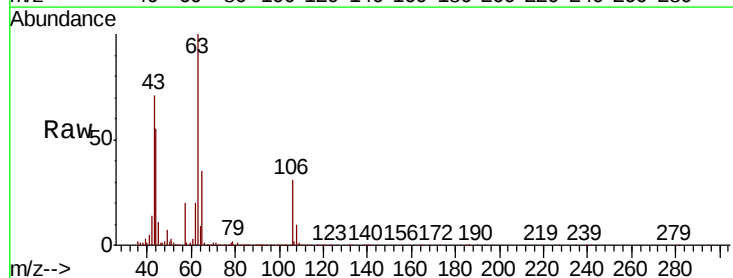
Acq: 15 Aug 2019 18:04

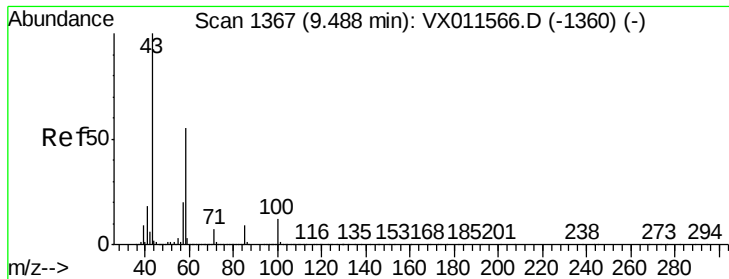
Tgt Ion: 63 Resp: 64436

Ion Ratio Lower Upper

63 100

106 32.6 24.7 37.1

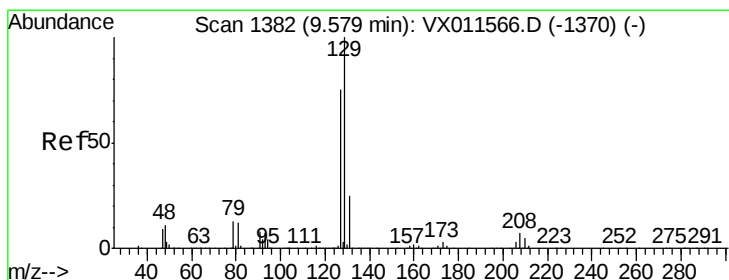
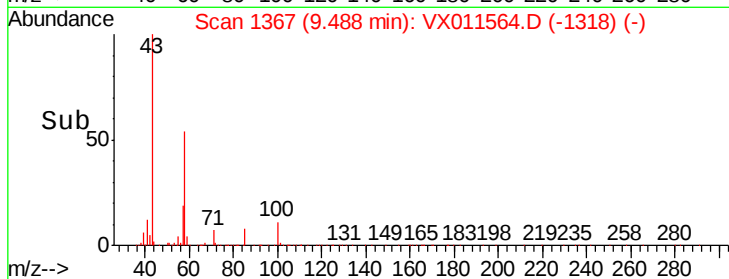
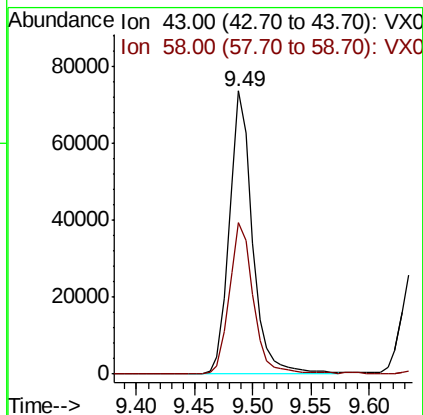
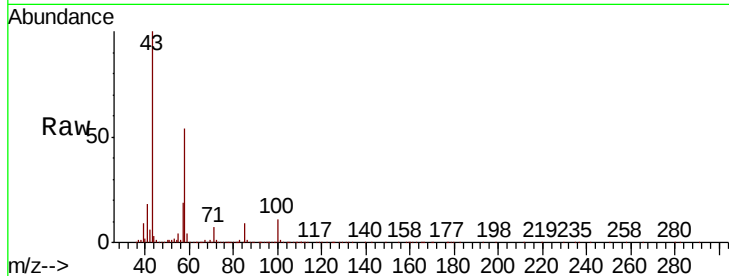




#59
2-Hexanone
Concen: 26.445 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

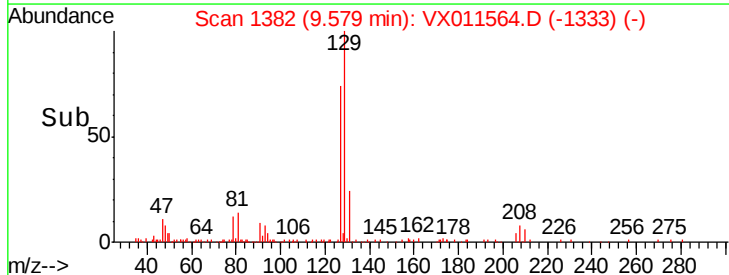
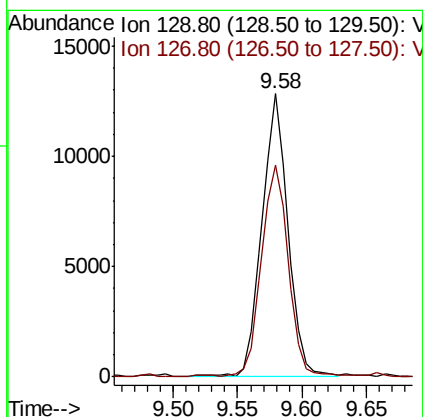
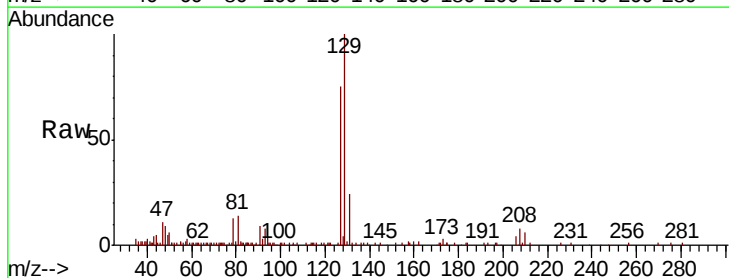
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

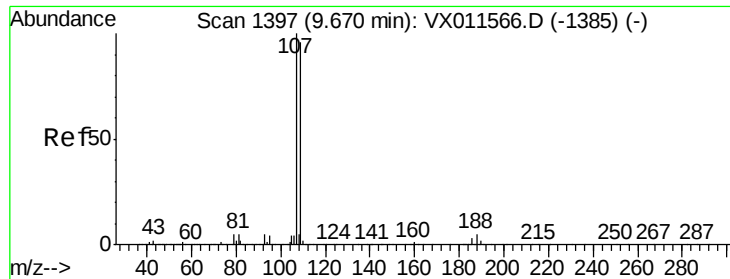
Tgt Ion: 43 Resp: 101348
Ion Ratio Lower Upper
43 100
58 55.3 27.5 82.4



#60
Dibromochloromethane
Concen: 4.753 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Tgt Ion: 129 Resp: 18025
Ion Ratio Lower Upper
129 100
127 77.1 38.0 114.1





#61

1,2-Dibromoethane

Concen: 5.313 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

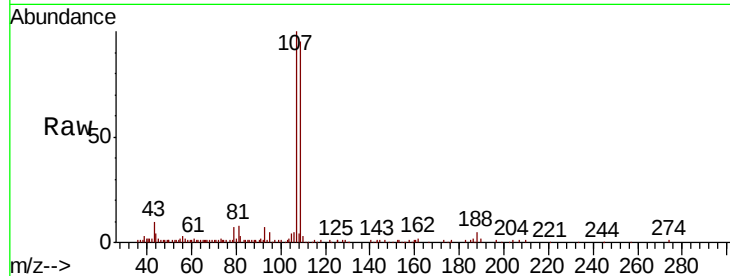
VSTDIC005

Tgt Ion: 107 Resp: 20926

Ion Ratio Lower Upper

107 100

109 93.2 76.2 114.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

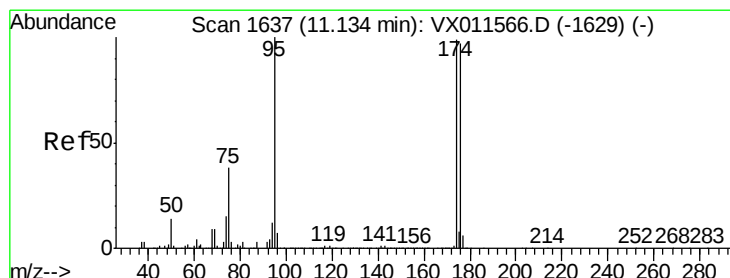
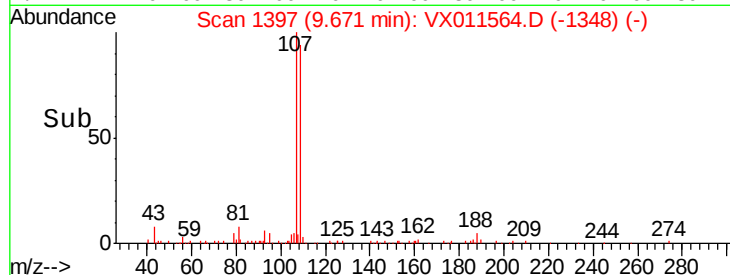
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 5.802 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

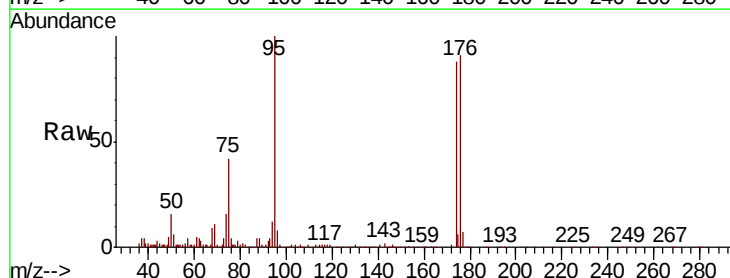
Tgt Ion: 95 Resp: 26748

Ion Ratio Lower Upper

95 100

174 96.9 0.0 200.6

176 95.0 0.0 196.6



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

30000

25000

20000

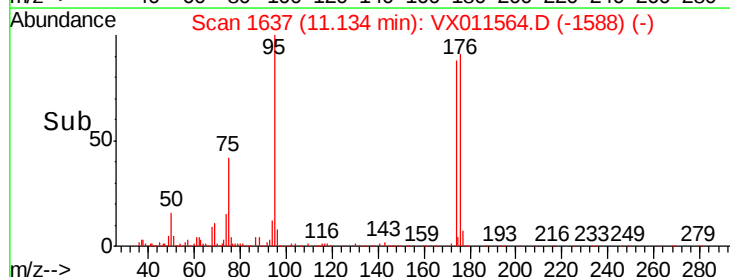
15000

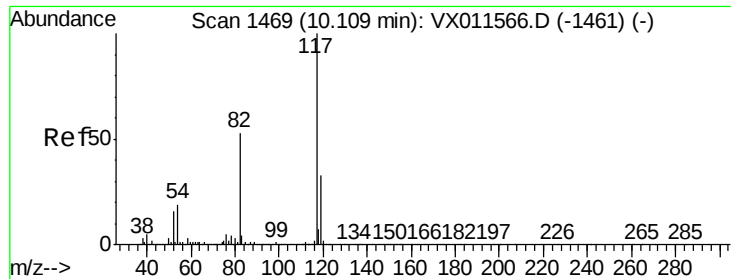
10000

5000

0

Time-->

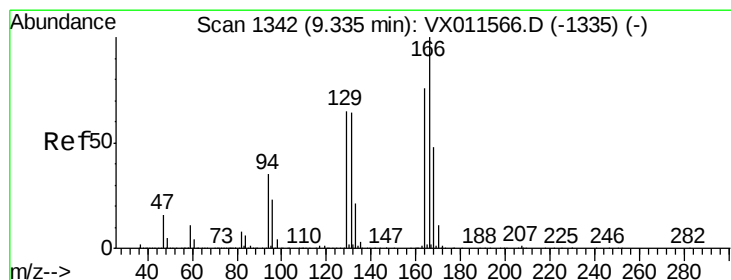
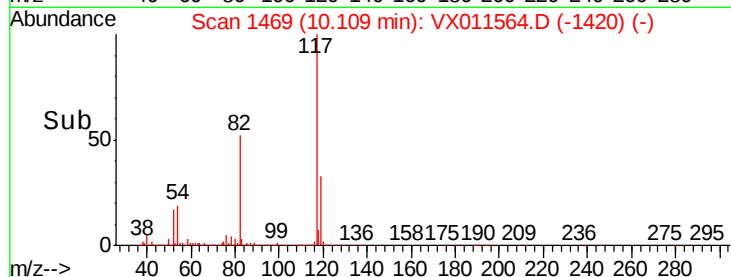
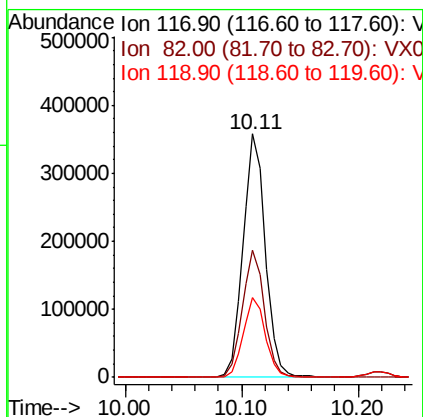
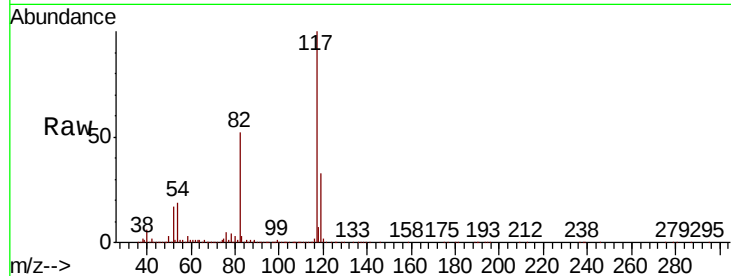




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

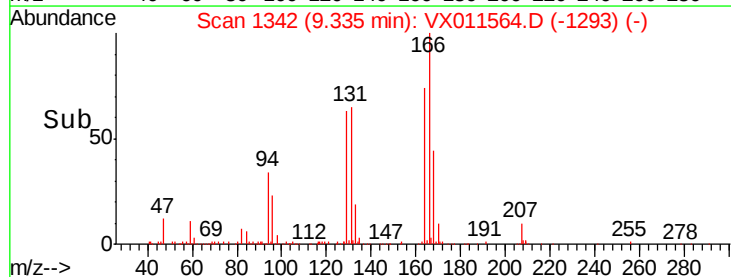
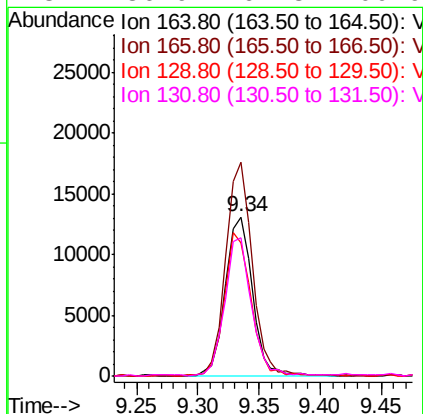
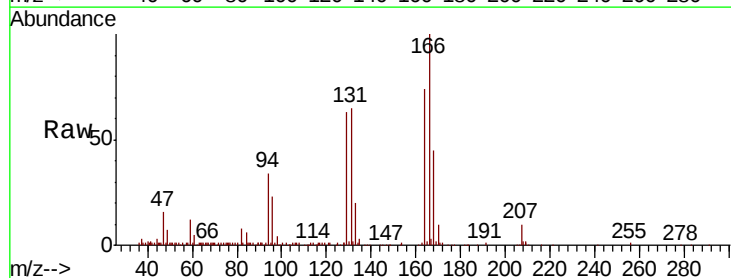
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

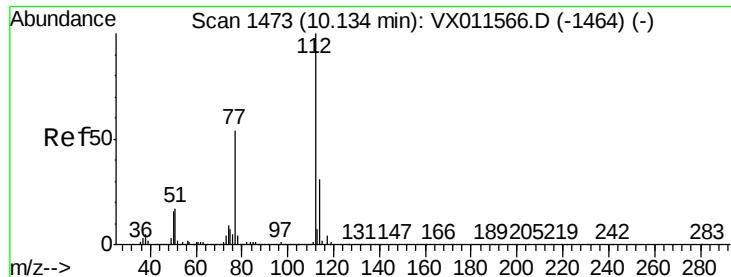
Tgt Ion:117 Resp: 479195
Ion Ratio Lower Upper
117 100
82 51.9 42.0 63.0
119 32.8 26.5 39.7



#64
Tetrachloroethene
Concen: 5.293 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Tgt Ion:164 Resp: 20231
Ion Ratio Lower Upper
164 100
166 134.0 104.7 157.1
129 83.7 68.2 102.4
131 86.9 67.3 100.9





#65

Chlorobenzene

Concen: 5.219 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

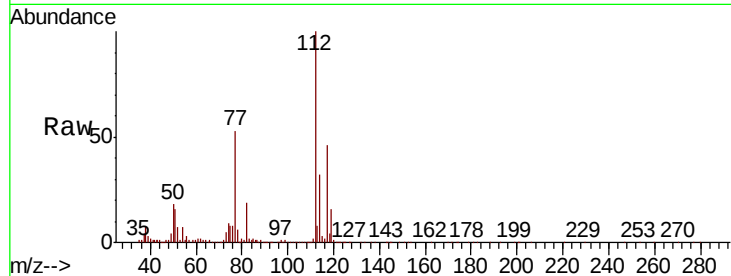
VSTDIC005

Tgt Ion:112 Resp: 52120

Ion Ratio Lower Upper

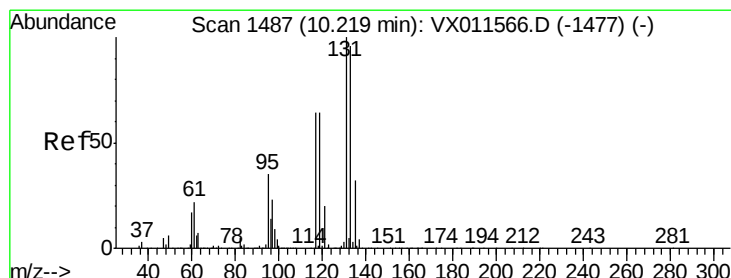
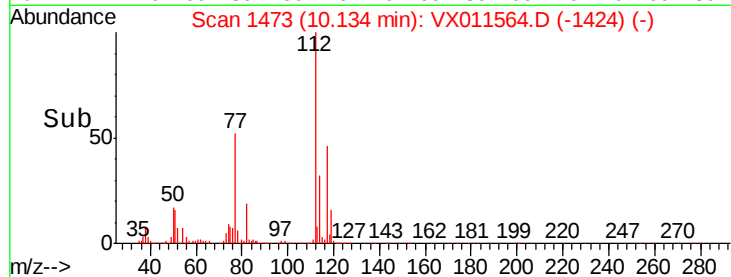
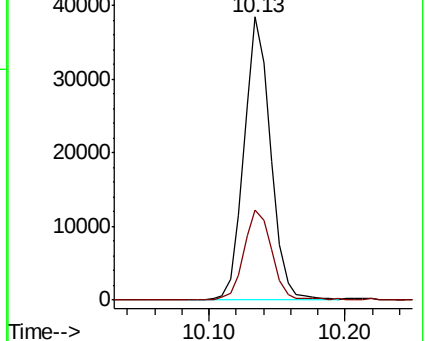
112 100

114 31.7 25.0 37.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 5.204 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

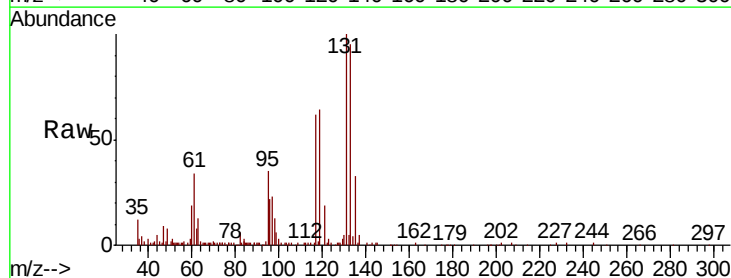
Tgt Ion:131 Resp: 18364

Ion Ratio Lower Upper

131 100

133 96.9 48.1 144.4

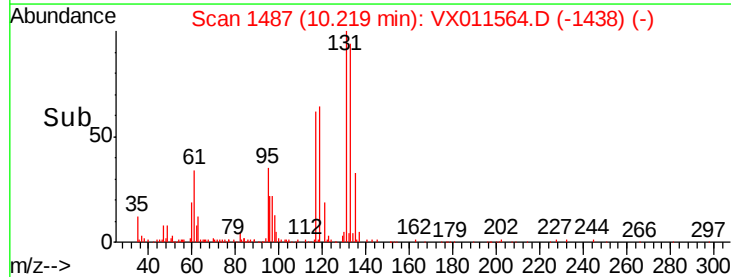
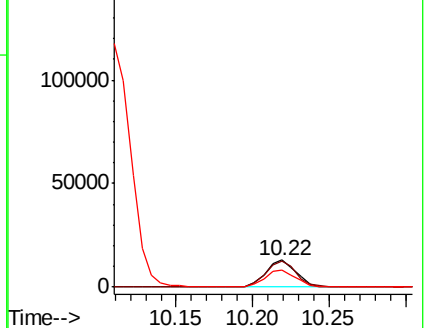
119 64.0 31.3 93.8

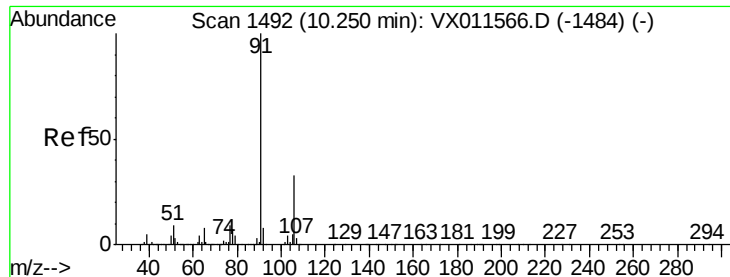


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

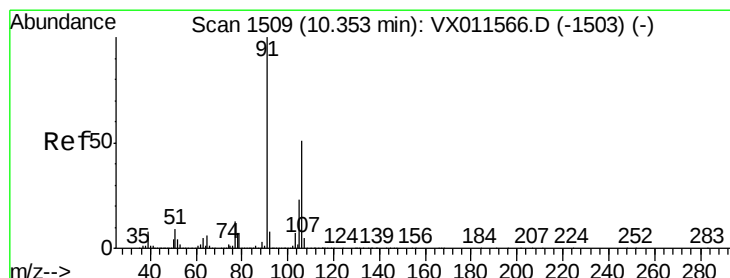
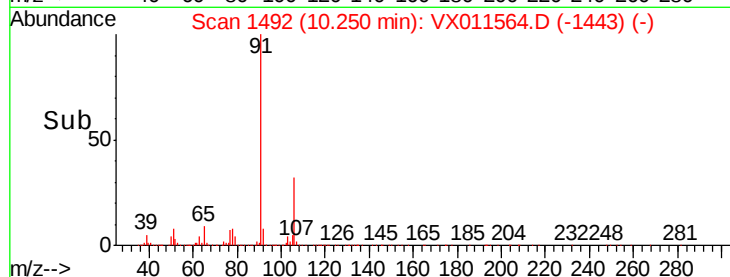
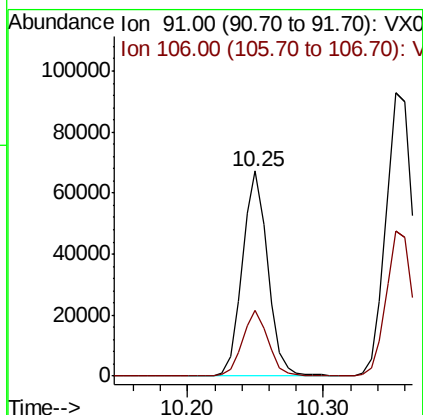
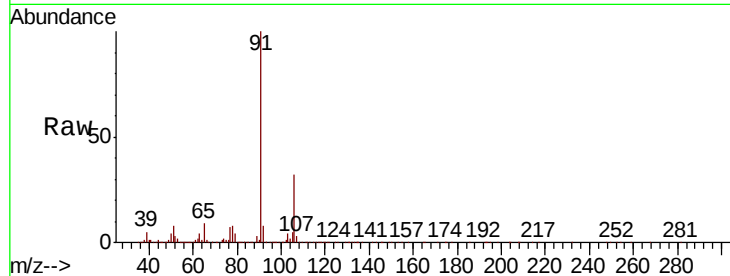




#67
Ethyl Benzene
Concen: 5.207 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

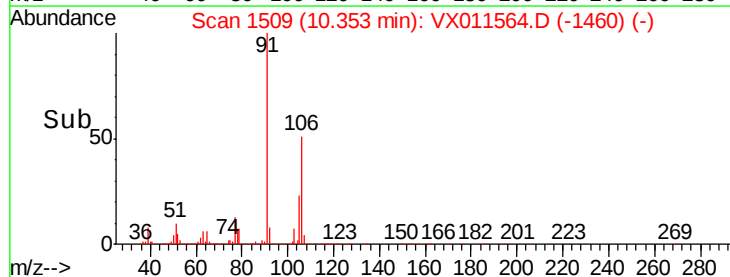
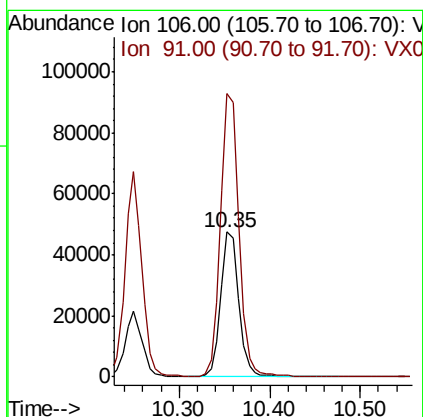
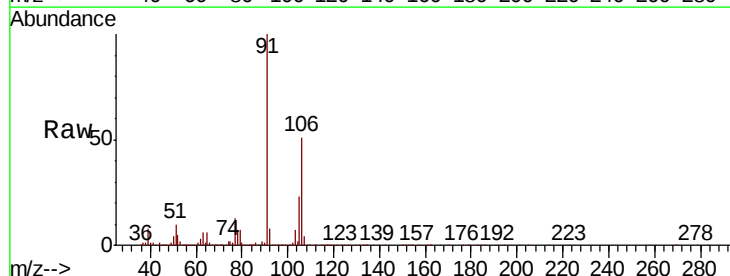
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

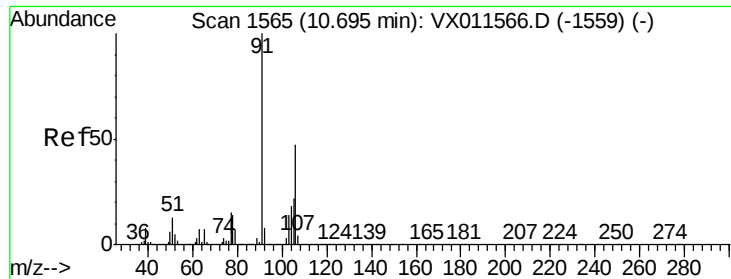
Tgt Ion: 91 Resp: 87799
Ion Ratio Lower Upper
91 100
106 32.1 26.0 39.0



#68
m/p-Xylenes
Concen: 10.324 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Tgt Ion: 106 Resp: 67022
Ion Ratio Lower Upper
106 100
91 197.0 156.0 234.0

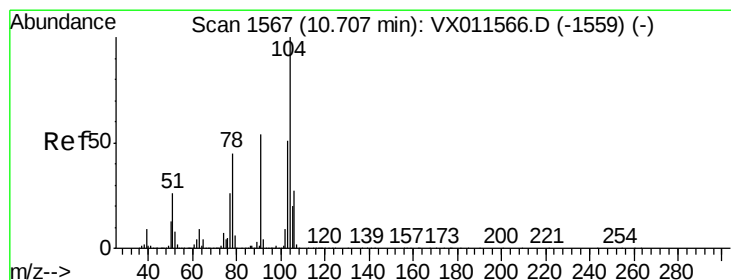
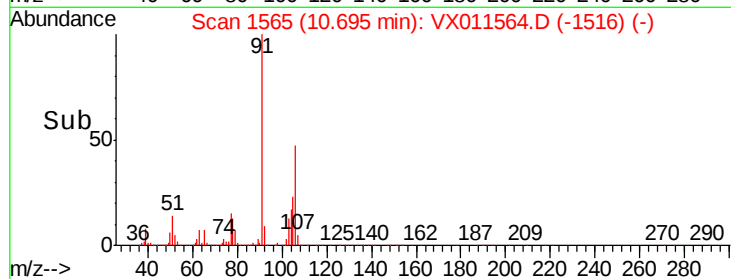
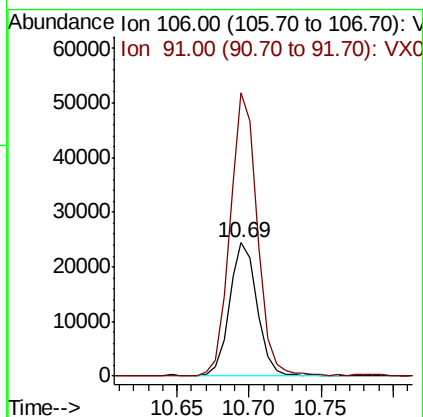
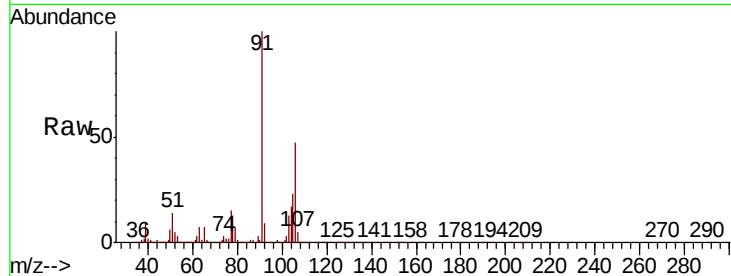




#69
o-Xylene
Concen: 5.156 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

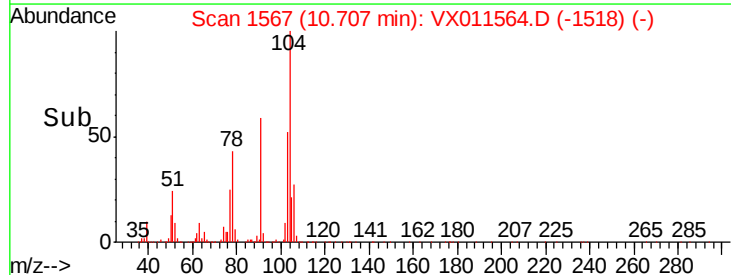
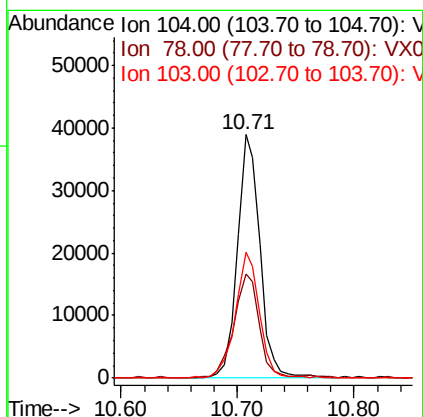
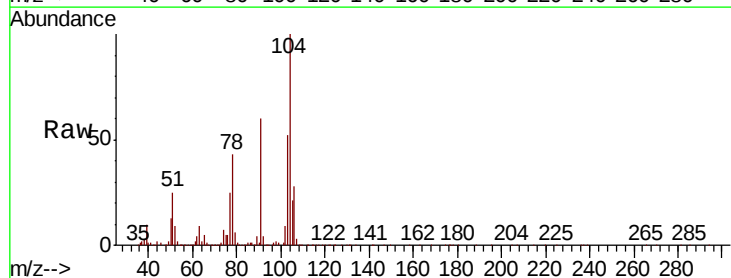
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

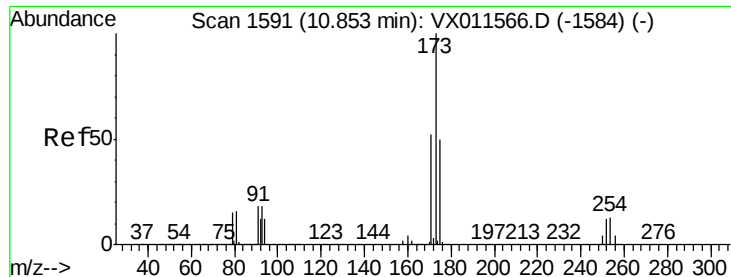
Tgt Ion:106 Resp: 32560
Ion Ratio Lower Upper
106 100
91 211.3 105.5 316.4



#70
Styrene
Concen: 4.997 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Tgt Ion:104 Resp: 52733
Ion Ratio Lower Upper
104 100
78 48.0 38.2 57.4
103 55.3 43.6 65.4





#71

Bromoform

Concen: 4.710 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

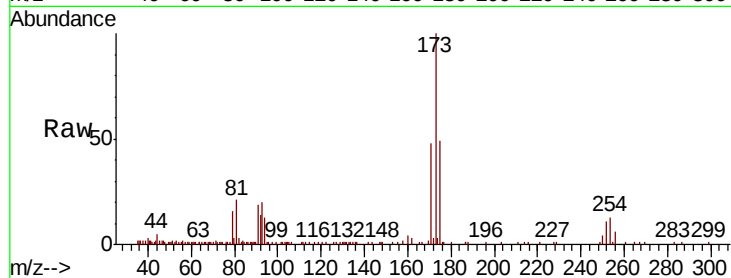
Tgt Ion:173 Resp: 13408

Ion Ratio Lower Upper

173 100

175 48.3 24.9 74.7

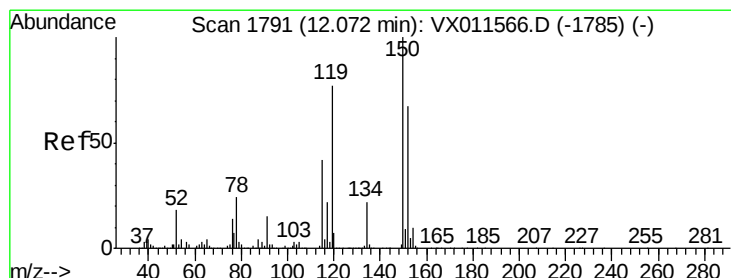
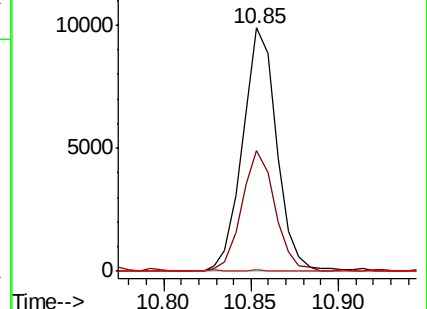
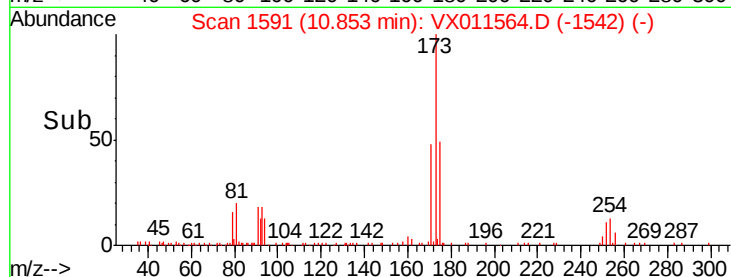
254 0.2 0.1 0.1#



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: 12.08 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

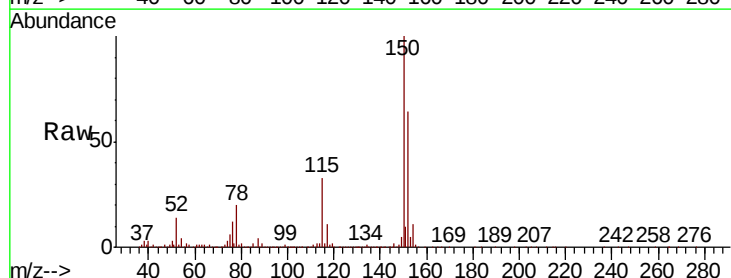
Tgt Ion:152 Resp: 253008

Ion Ratio Lower Upper

152 100

115 54.6 37.3 111.9

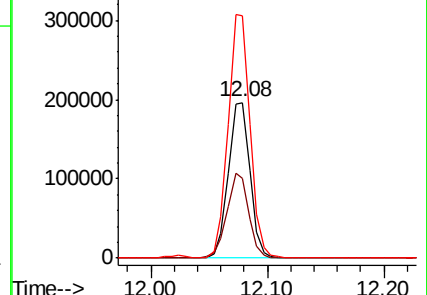
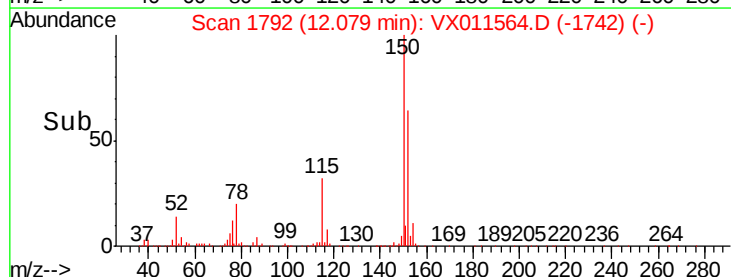
150 157.2 0.0 346.2

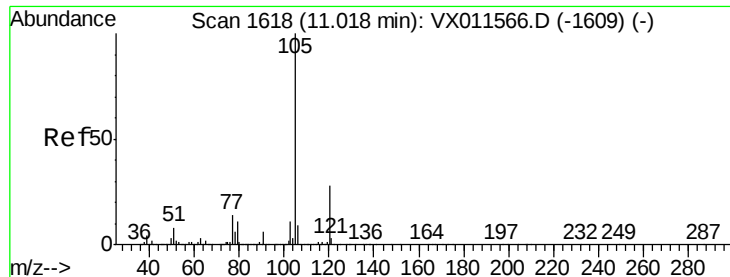


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.053 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

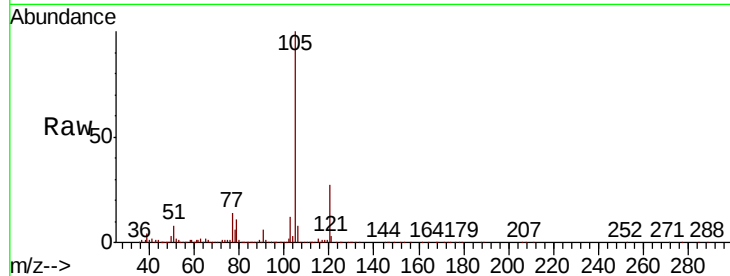
VSTDIC005

Tgt Ion: 105 Resp: 86481

Ion Ratio Lower Upper

105 100

120 27.2 14.0 41.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

80000

60000

40000

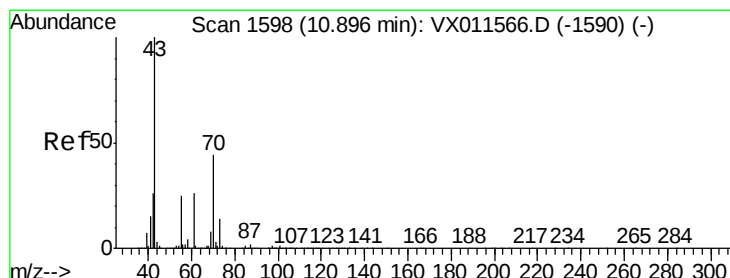
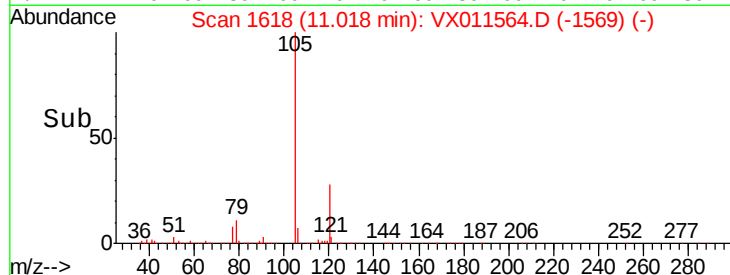
20000

0

Time-->

11.00

11.10



#74

N-ethyl acetate

Concen: 4.960 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Tgt Ion: 43 Resp: 32717

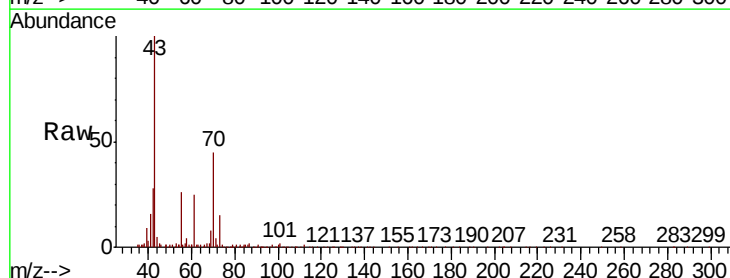
Ion Ratio Lower Upper

43 100

70 43.9 34.7 52.1

55 28.2 19.6 29.4

61 24.8 19.9 29.9



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

40000

30000

20000

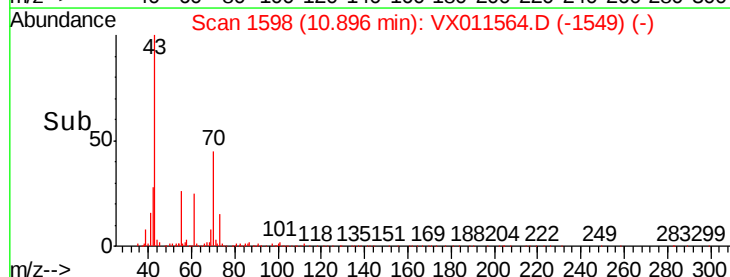
10000

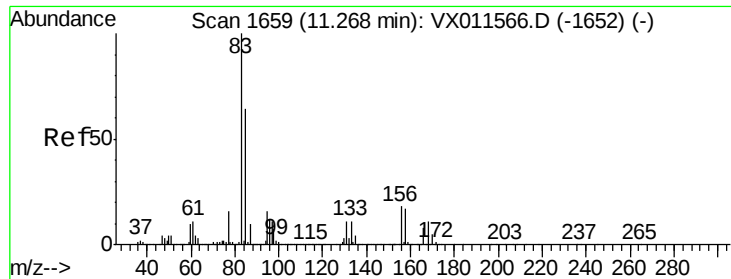
0

Time-->

10.90

11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 5.331 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

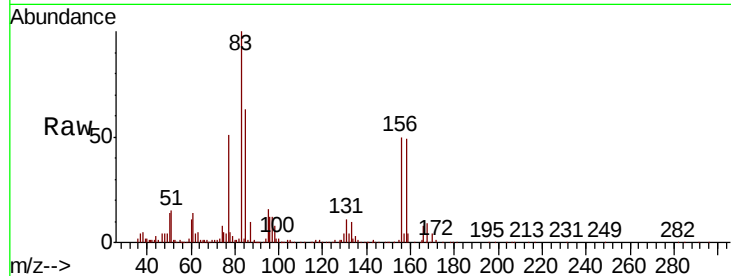
MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 83 Resp: 29960

Ion	Ratio	Lower	Upper
83	100		
131	12.0	5.8	17.3
85	63.5	31.9	95.9

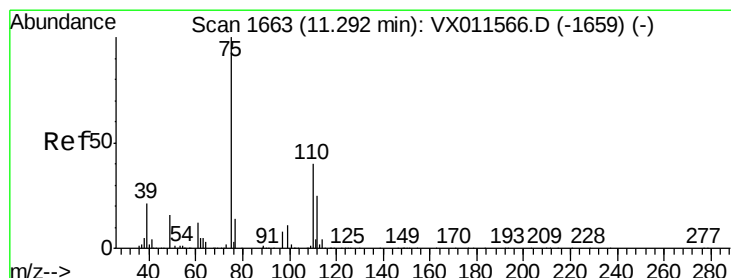
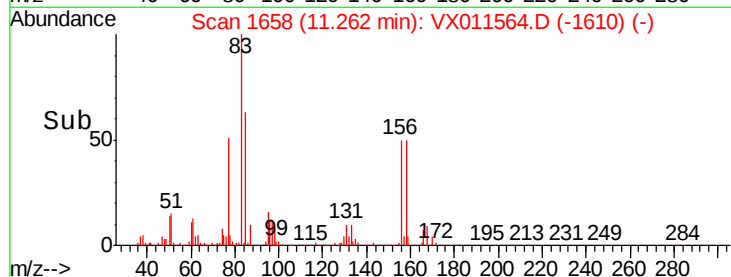
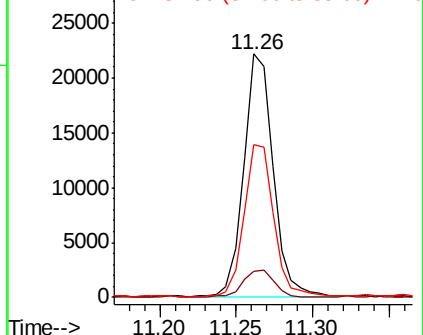


Abundance

Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 6.696 ug/l

RT: 11.29 min Scan# 1663

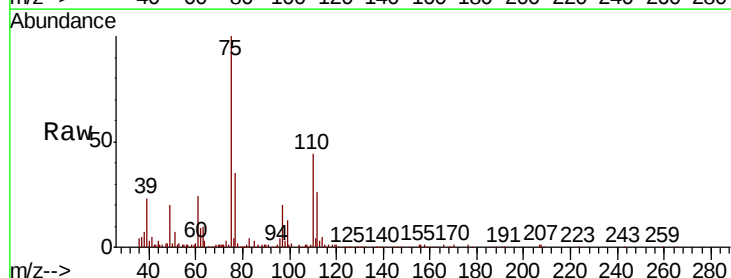
Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Tgt Ion: 75 Resp: 30974

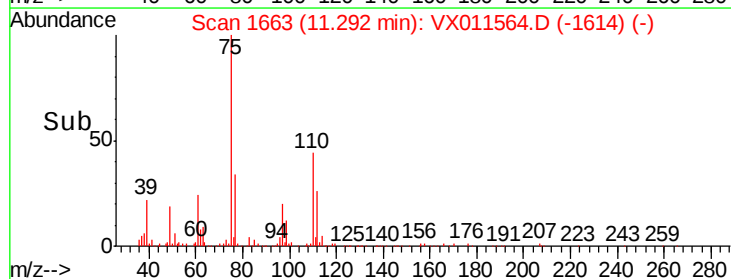
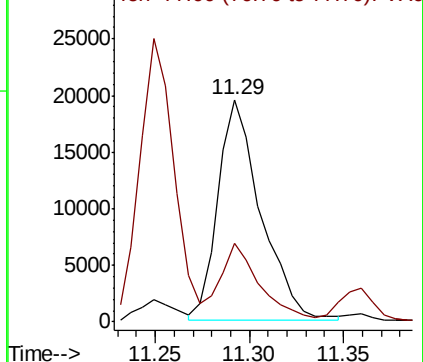
Ion	Ratio	Lower	Upper
75	100		
77	32.1	20.9	62.8

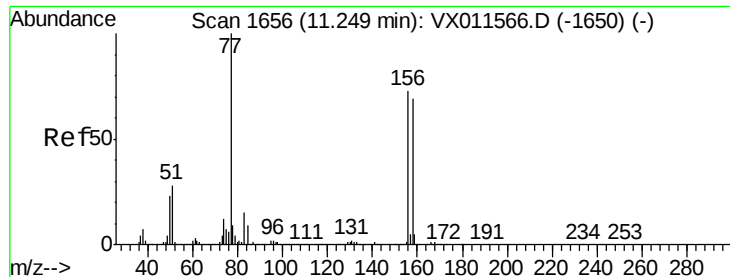


Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 5.417 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.01 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

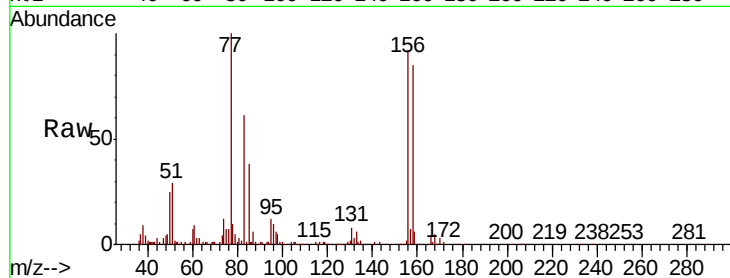
Tgt Ion:156 Resp: 25878

Ion Ratio Lower Upper

156 100

77 123.6 64.6 193.9

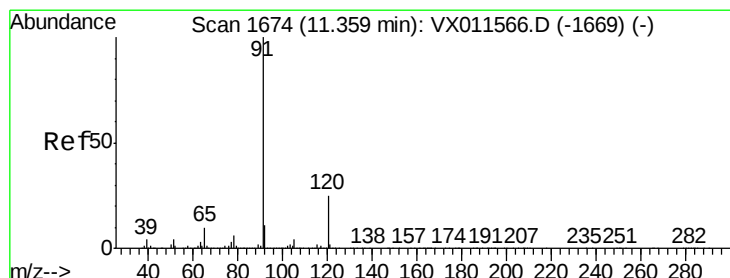
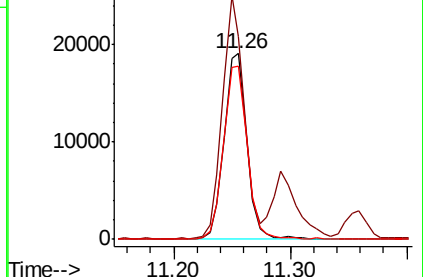
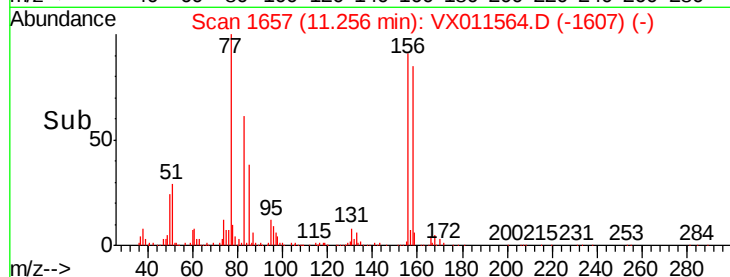
158 97.2 48.4 145.3



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: 4.804 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011564.D

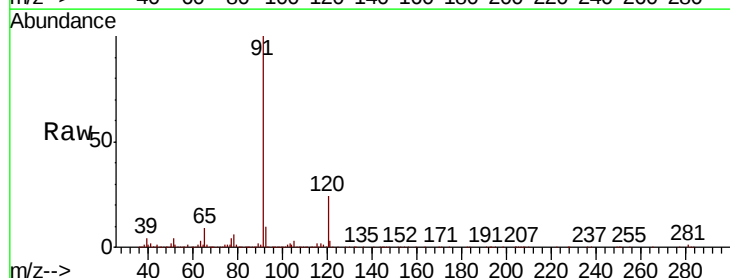
Acq: 15 Aug 2019 18:04

Tgt Ion: 91 Resp: 90470

Ion Ratio Lower Upper

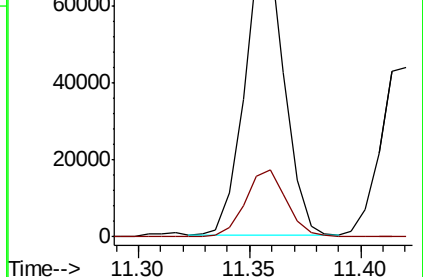
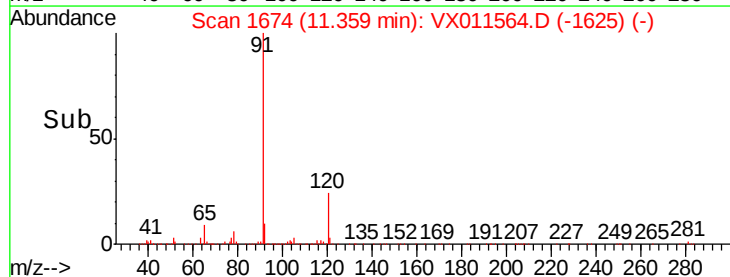
91 100

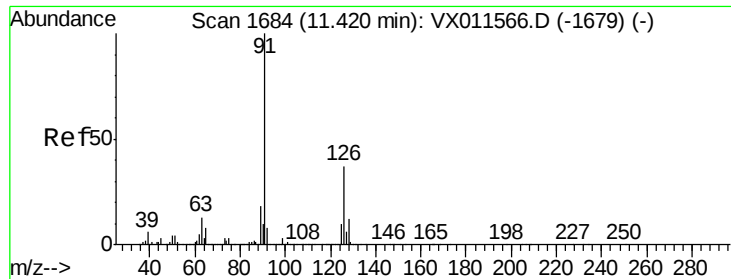
120 24.8 12.6 37.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

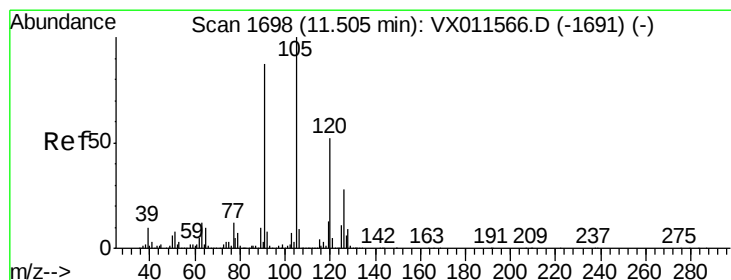
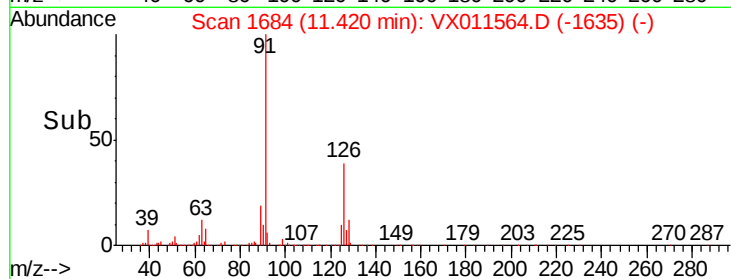
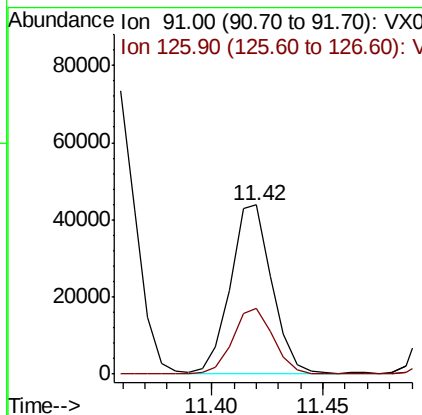
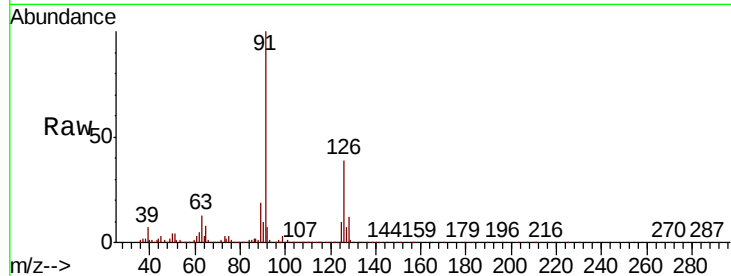




#79
2-Chlorotoluene
Concen: 4.974 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

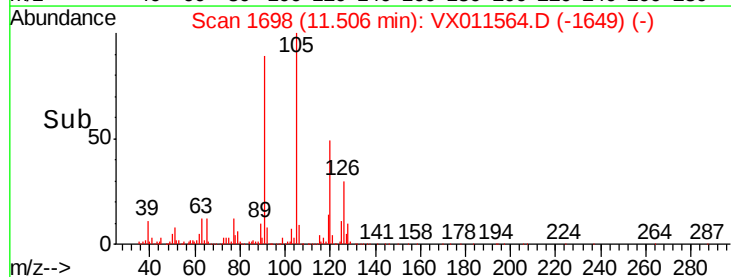
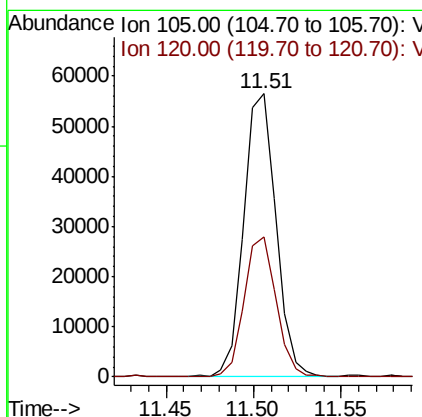
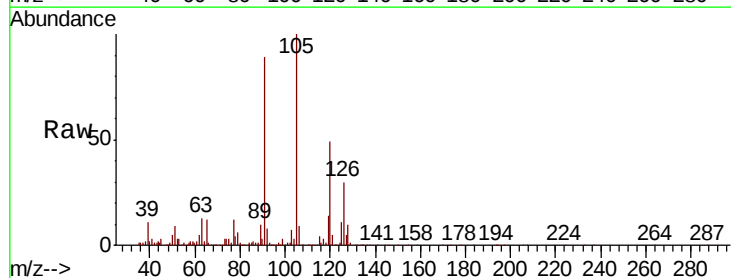
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

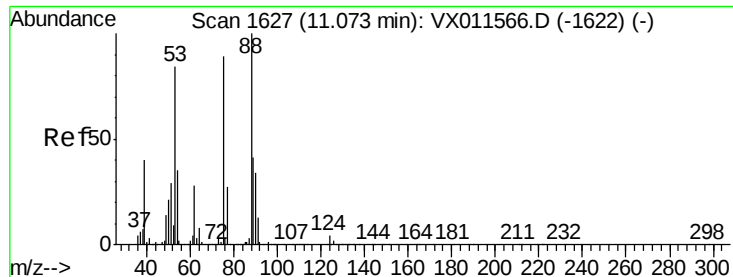
Tgt Ion: 91 Resp: 56541
Ion Ratio Lower Upper
91 100
126 38.7 18.4 55.0



#80
1,3,5-Trimethylbenzene
Concen: 5.090 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Tgt Ion: 105 Resp: 72718
Ion Ratio Lower Upper
105 100
120 49.2 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 3.535 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

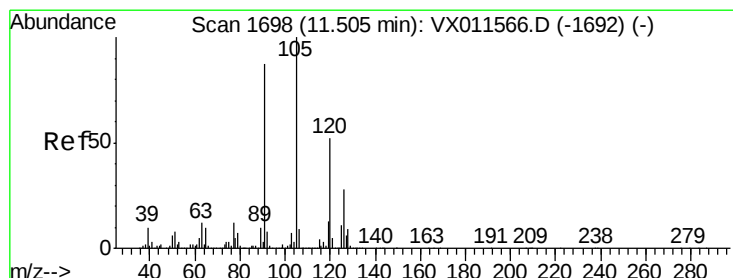
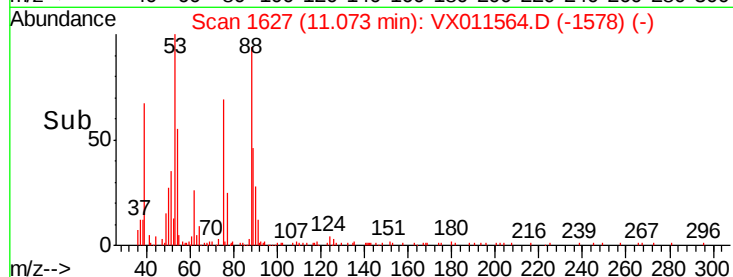
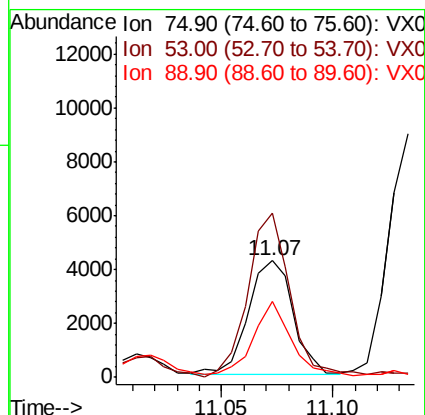
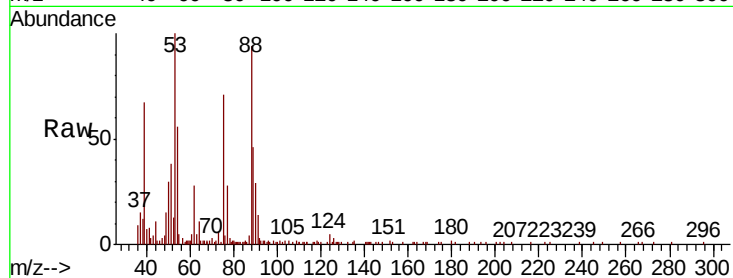
Tgt Ion: 75 Resp: 5877

Ion Ratio Lower Upper

75 100

53 138.3 77.4 116.0#

89 59.5 37.3 55.9#



#82

4-Chlorotoluene

Concen: 4.999 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011564.D

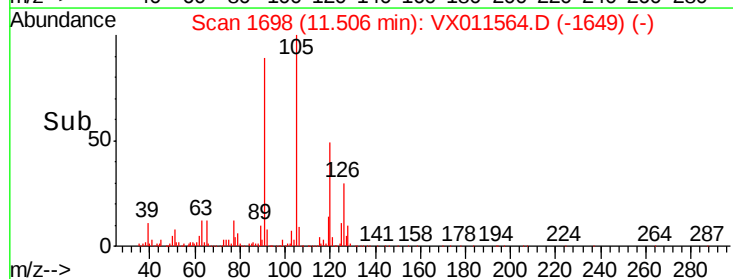
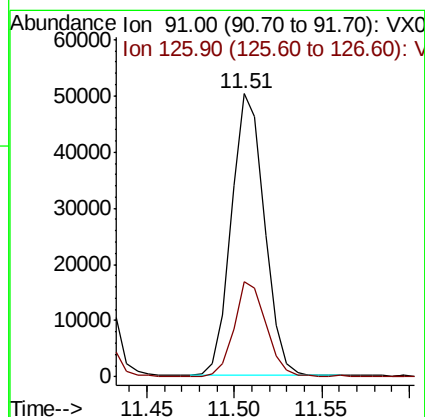
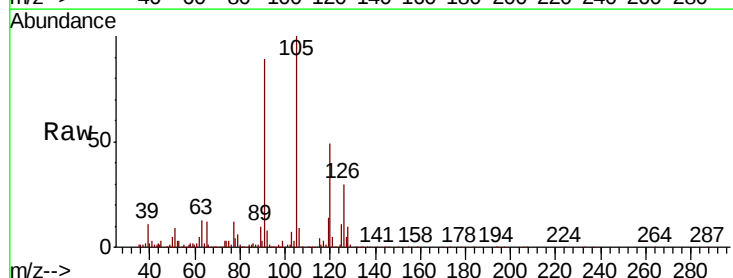
Acq: 15 Aug 2019 18:04

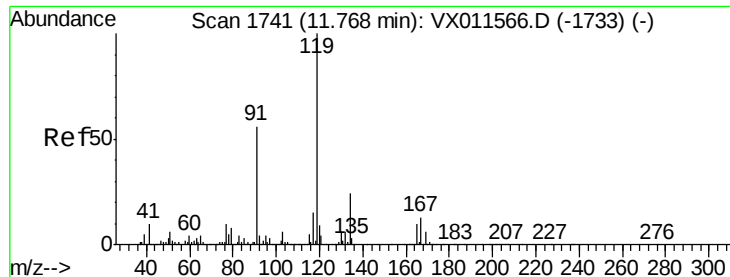
Tgt Ion: 91 Resp: 65987

Ion Ratio Lower Upper

91 100

126 32.3 16.4 49.1

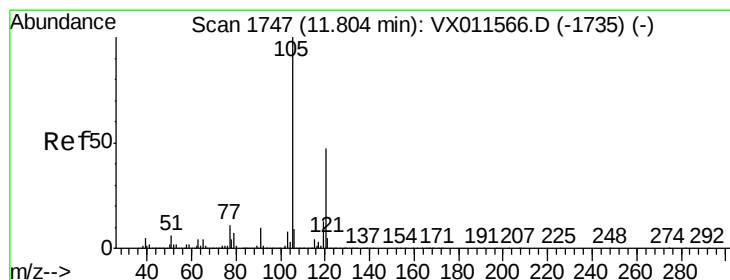
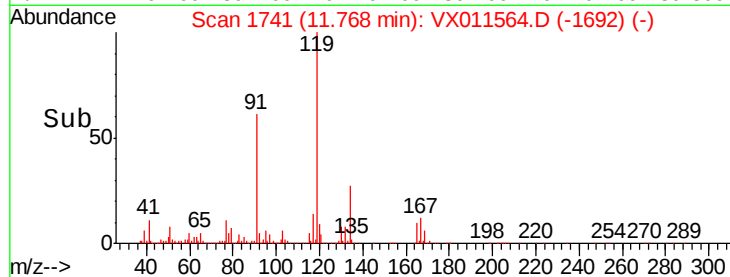
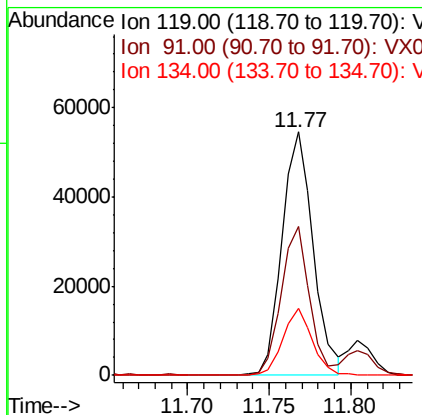
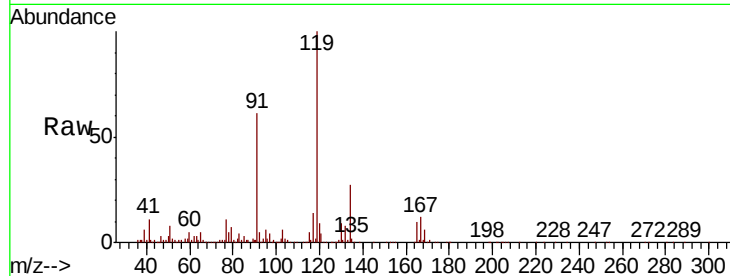




#83
 tert-Butylbenzene
 Concen: 5.147 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011564.D
 Acq: 15 Aug 2019 18:04

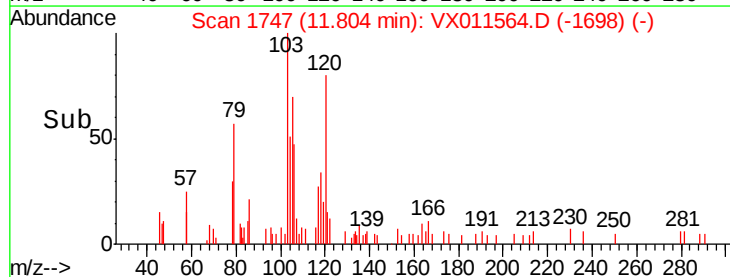
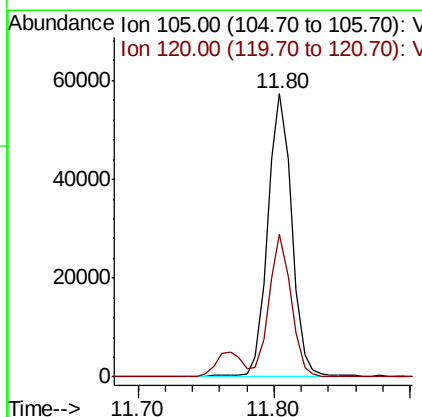
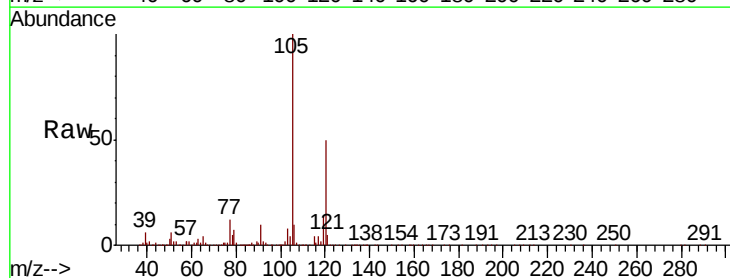
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

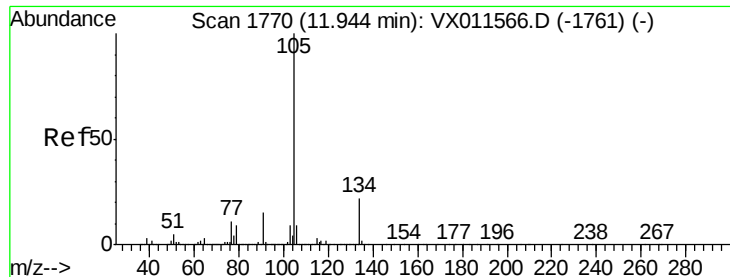
Tgt Ion:119 Resp: 72708
 Ion Ratio Lower Upper
 119 100
 91 56.4 27.1 81.3
 134 26.0 11.8 35.3



#84
 1,2,4-Trimethylbenzene
 Concen: 4.887 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011564.D
 Acq: 15 Aug 2019 18:04

Tgt Ion:105 Resp: 70493
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.3 69.9





#85

sec-Butylbenzene

Concen: 4.937 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

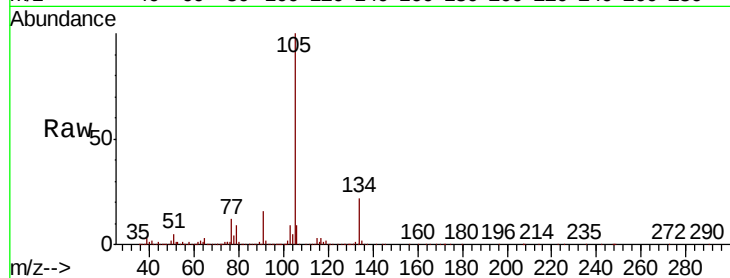
VSTDIC005

Tgt Ion:105 Resp: 81074

Ion Ratio Lower Upper

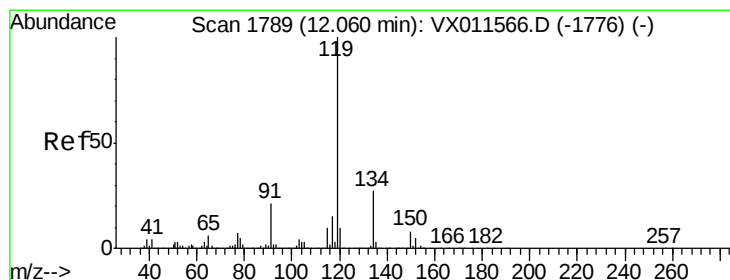
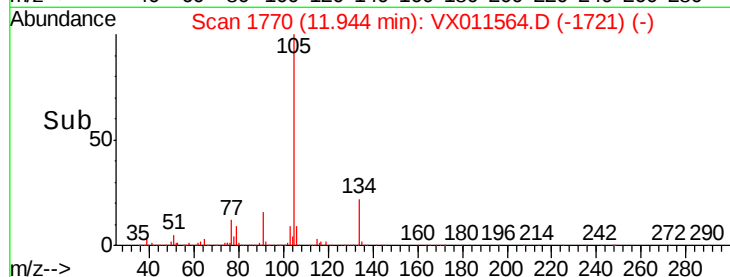
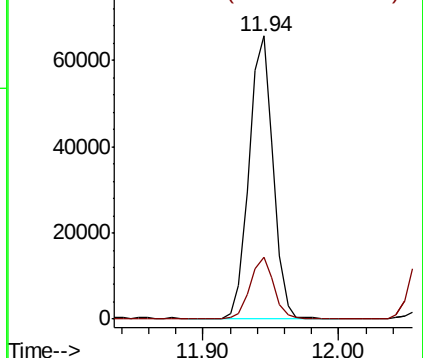
105 100

134 21.9 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.916 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

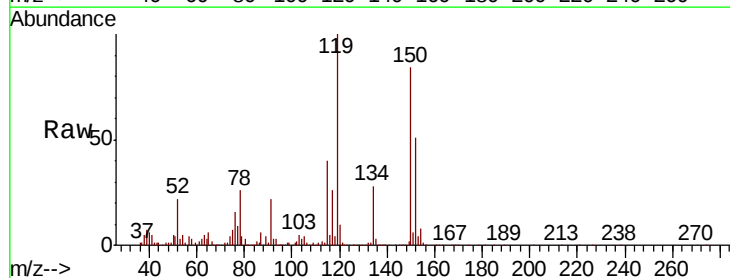
Tgt Ion:119 Resp: 75043

Ion Ratio Lower Upper

119 100

134 28.5 13.6 40.8

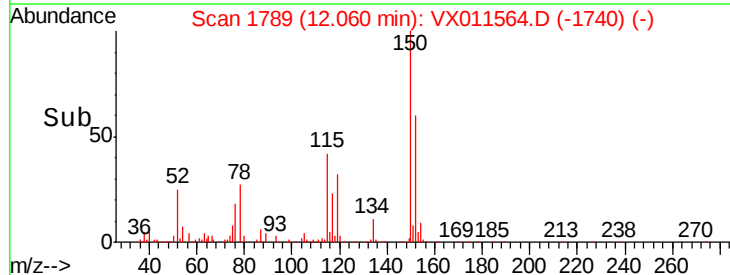
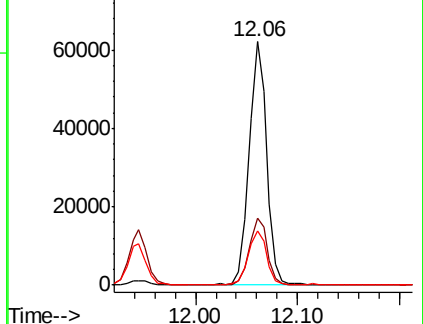
91 23.4 10.9 32.9

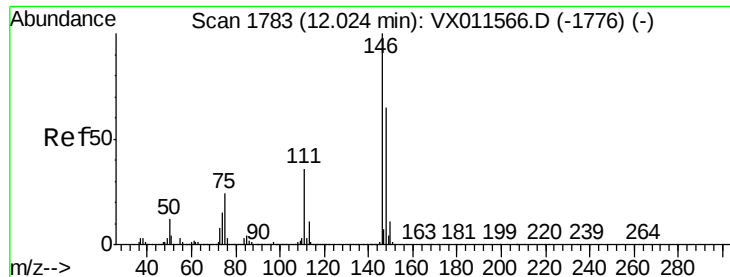


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 5.243 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

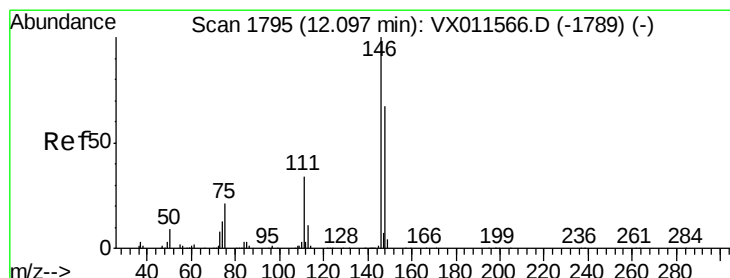
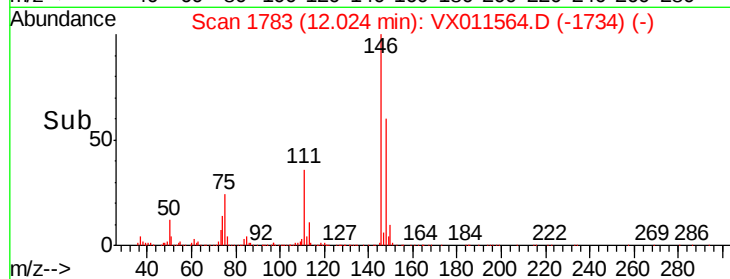
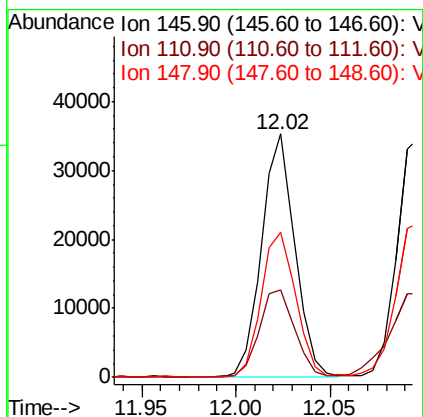
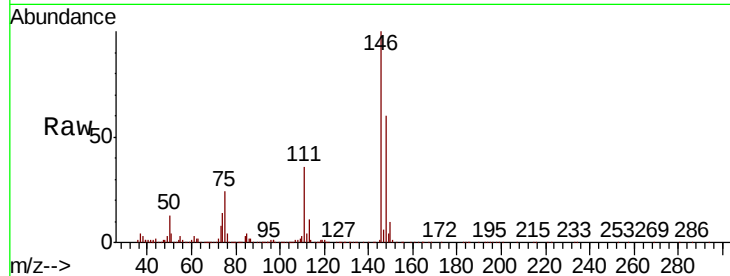
Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion:146 Resp: 43324

Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.1	54.4
148	62.5	32.0	96.0



#88

1,4-Dichlorobenzene

Concen: 5.196 ug/l

RT: 12.10 min Scan# 1795

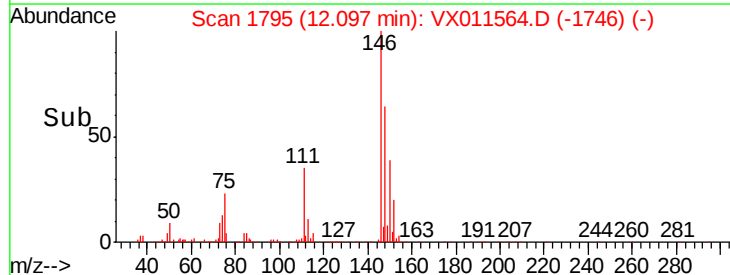
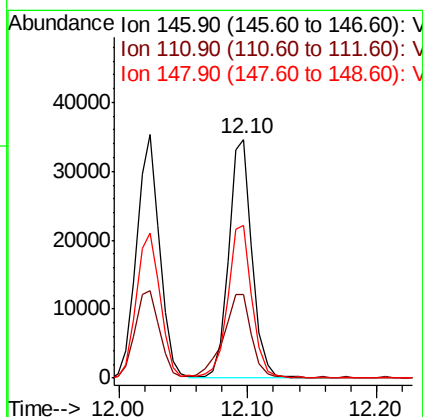
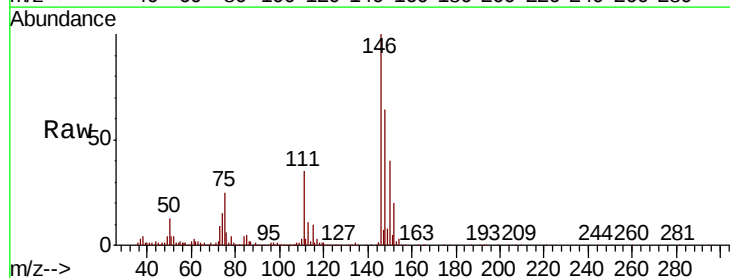
Delta R.T. 0.00 min

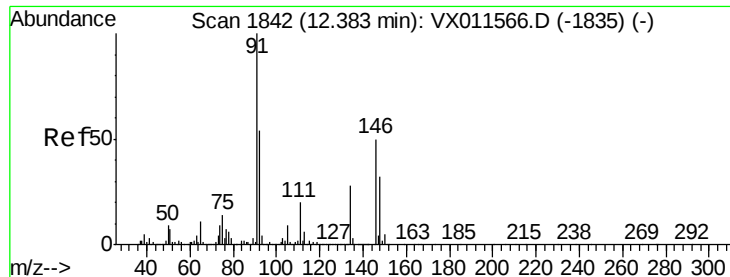
Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Tgt Ion:146 Resp: 43936

Ion	Ratio	Lower	Upper
146	100		
111	42.3	17.9	53.7
148	66.9	32.5	97.5

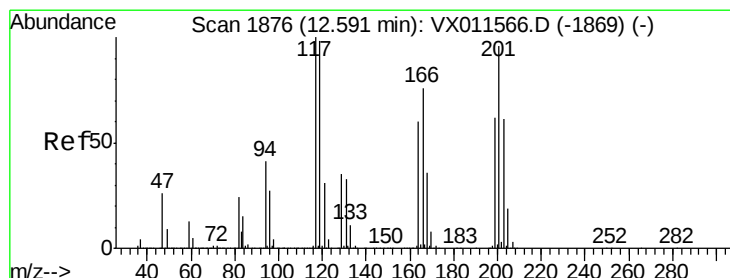
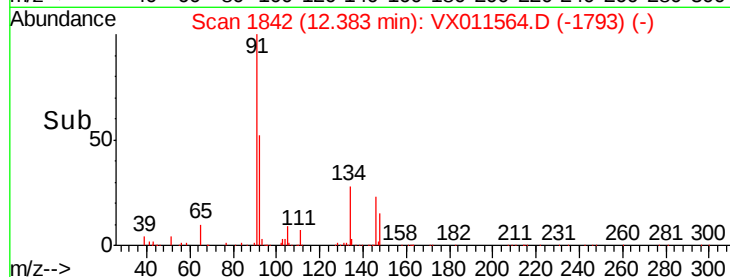
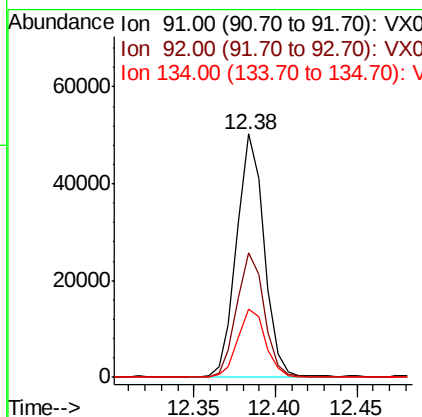
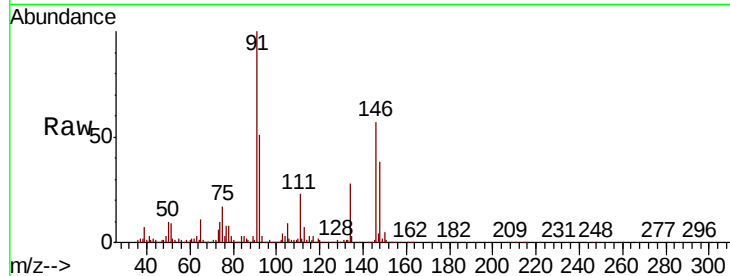




#89
n-Butylbenzene
Concen: 4.554 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

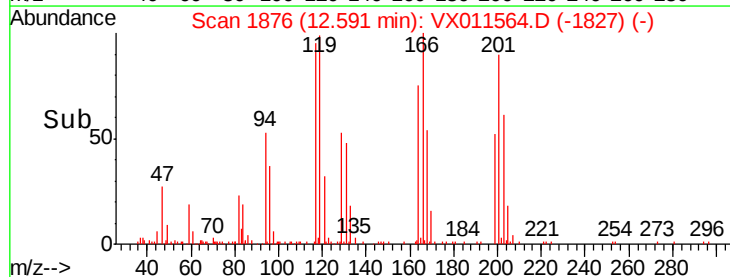
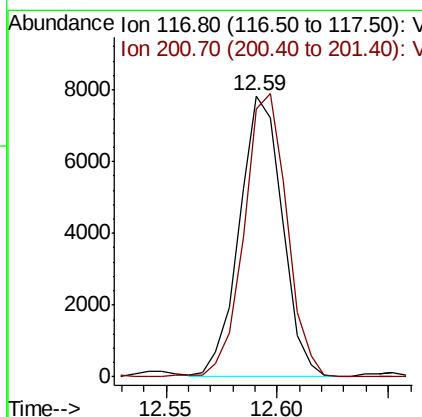
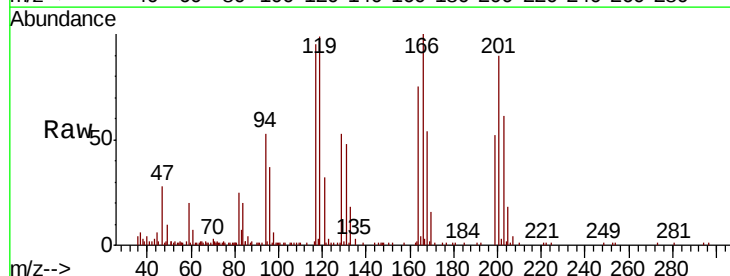
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

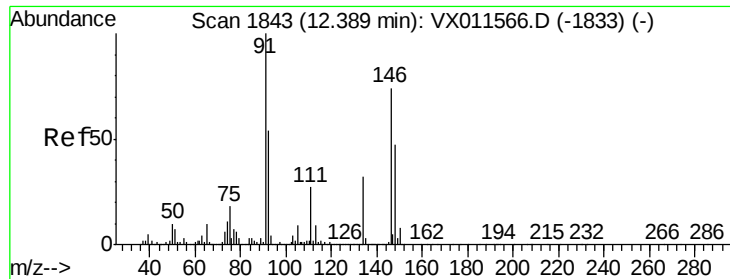
Tgt Ion: 91 Resp: 58907
Ion Ratio Lower Upper
91 100
92 51.9 26.8 80.3
134 28.7 14.6 44.0



#90
Hexachloroethane
Concen: 4.403 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Tgt Ion: 117 Resp: 10560
Ion Ratio Lower Upper
117 100
201 100.1 51.9 155.7

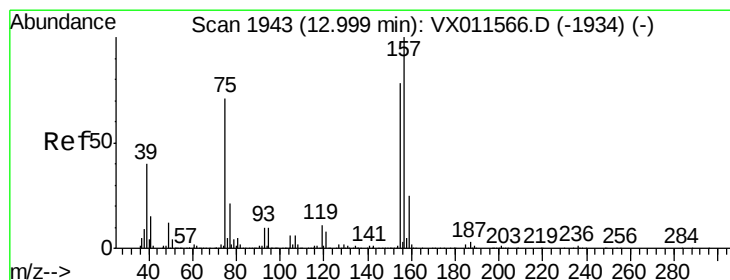
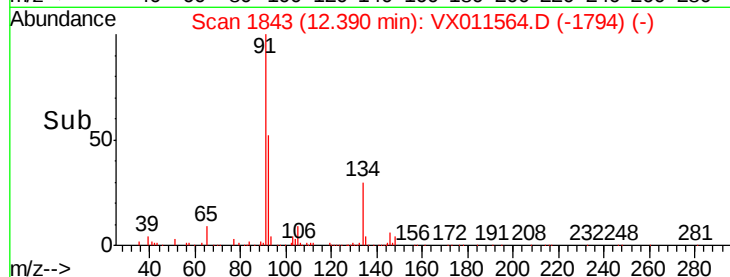
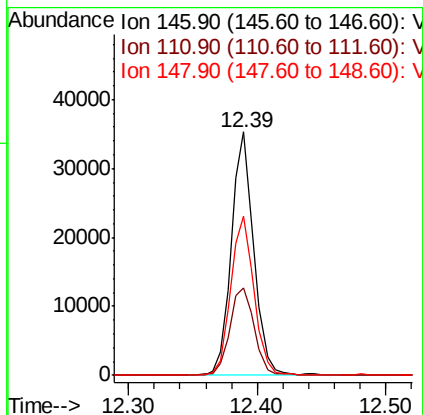
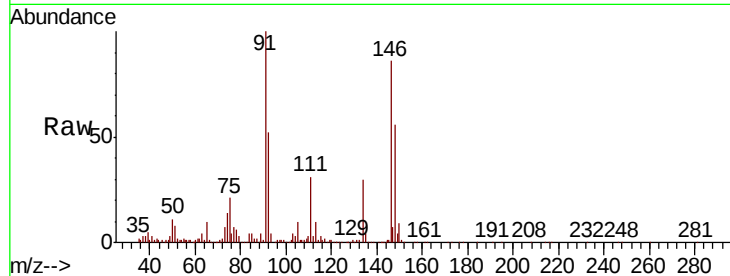




#91
 1,2-Dichlorobenzene
 Concen: 5.271 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011564.D
 Acq: 15 Aug 2019 18:04

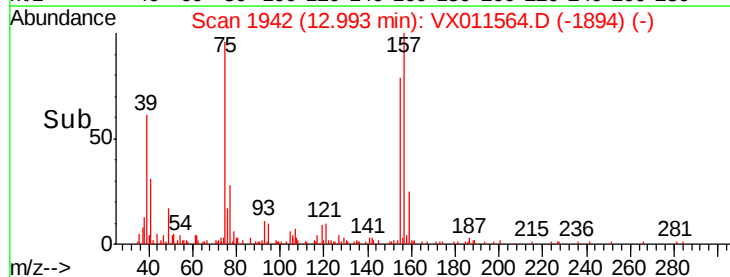
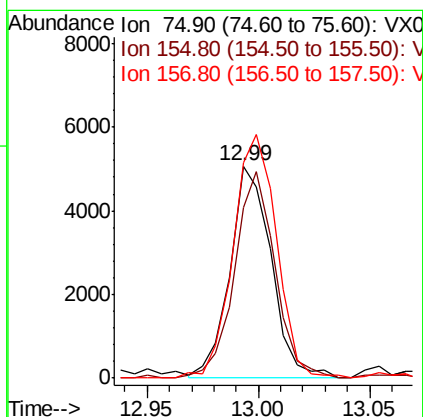
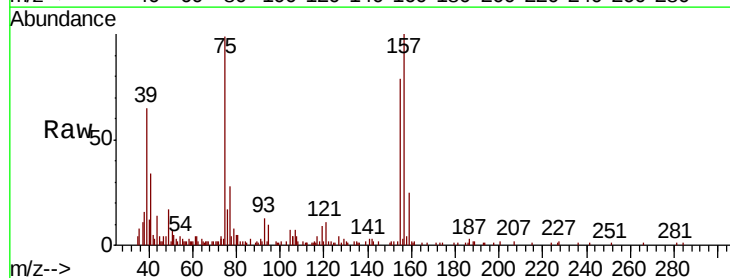
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

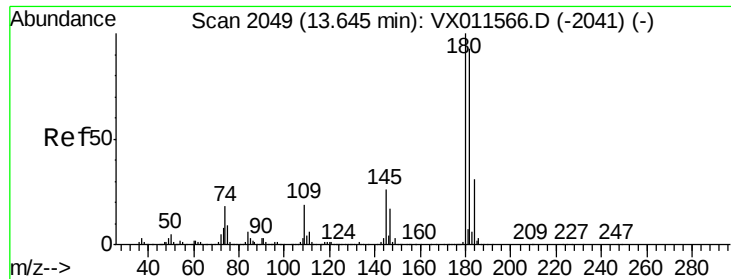
Tgt Ion: 146 Resp: 43192
 Ion Ratio Lower Upper
 146 100
 111 39.8 18.9 56.7
 148 67.4 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.533 ug/l
 RT: 12.99 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: VX011564.D
 Acq: 15 Aug 2019 18:04

Tgt Ion: 75 Resp: 6567
 Ion Ratio Lower Upper
 75 100
 155 95.3 53.0 159.0
 157 120.6 68.3 205.1

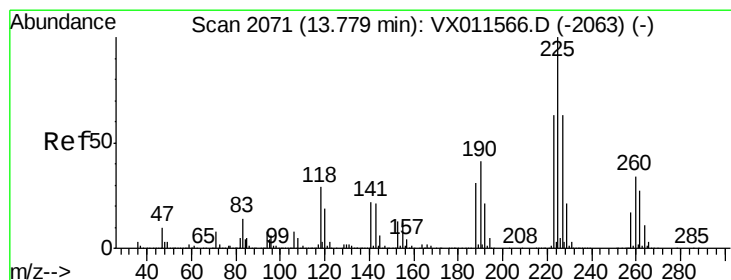
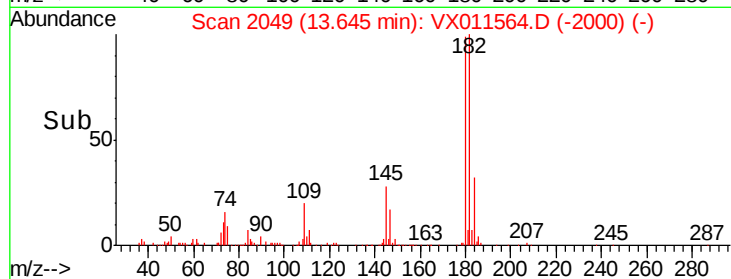
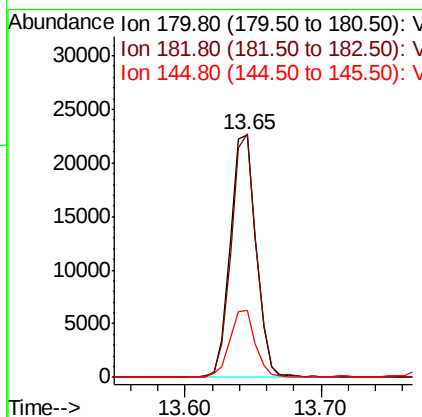
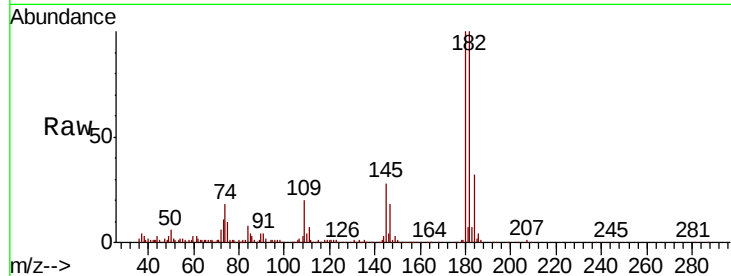




#93
 1,2,4-Trichlorobenzene
 Concen: 5.261 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011564.D
 Acq: 15 Aug 2019 18:04

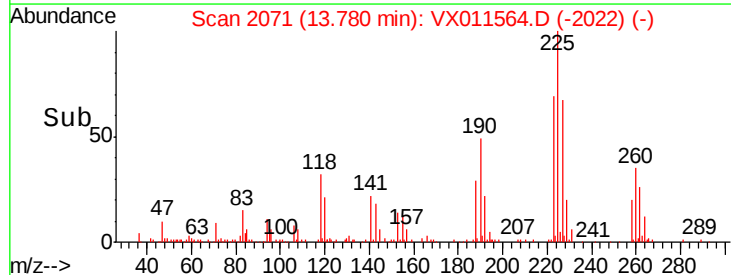
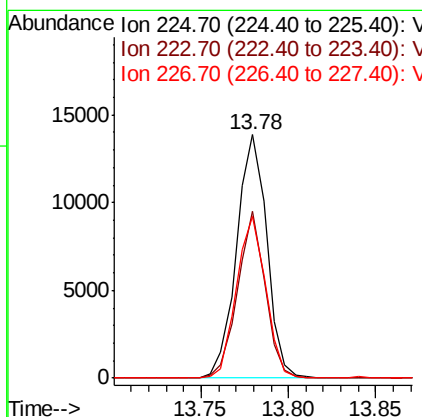
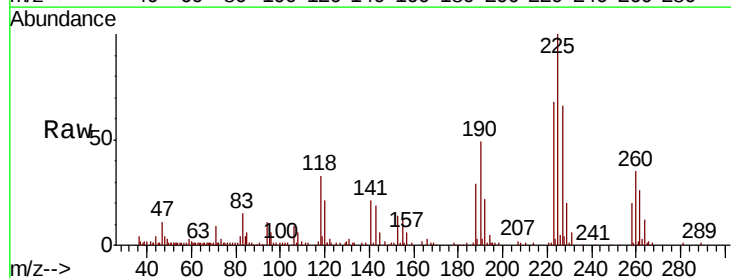
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

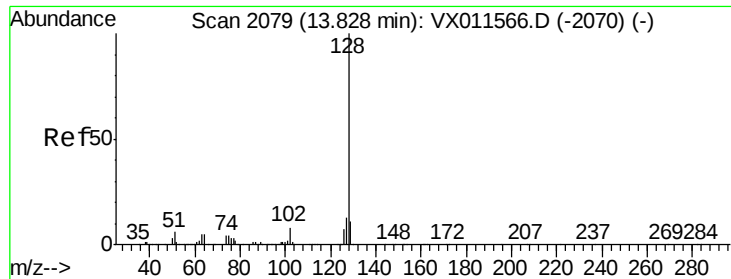
Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.3	47.3	142.0
145	27.6	13.6	40.8



#94
 Hexachlorobutadiene
 Concen: 5.827 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011564.D
 Acq: 15 Aug 2019 18:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.4	94.0
227	64.3	31.2	93.6

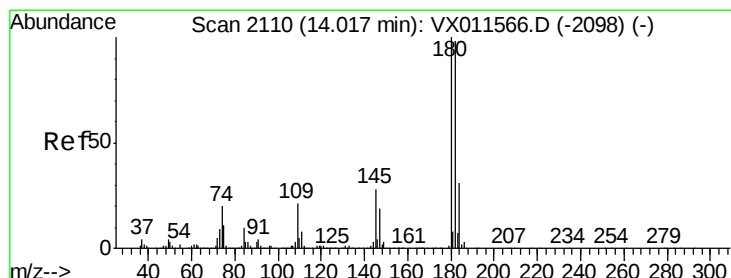
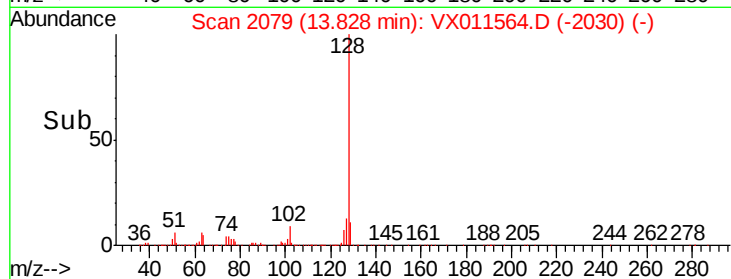
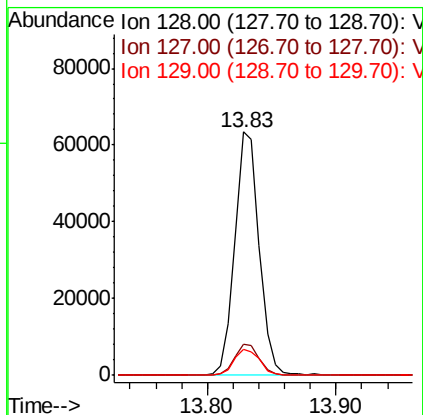
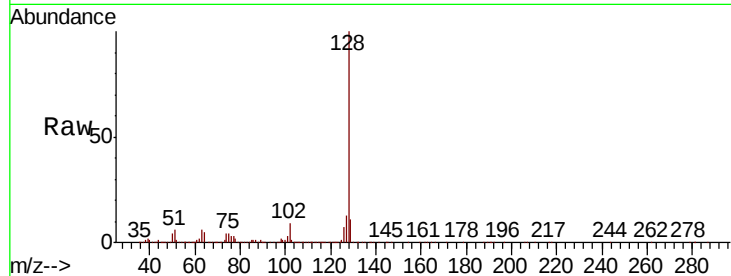




#95
Naphthalene
Concen: 5.041 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion:128 Resp: 83732
Ion Ratio Lower Upper
128 100
127 13.4 10.3 15.5
129 11.2 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 5.537 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Tgt Ion:180 Resp: 31285
Ion Ratio Lower Upper
180 100
182 92.7 48.0 144.0
145 29.7 14.6 43.8

