

Data File : VX007326.D
Acq On : 01 Feb 2019 10:03
Operator : JC/SP
Sample : VSTDIC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Quant Time: Feb 02 00:10:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 01 13:04:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	447111	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	665730	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	617609	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	316988	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	26725	5.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.26%	
35) Dibromofluoromethane	5.49	113	22758	5.25	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	10.50%	
50) Toluene-d8	8.71	98	79791	4.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.92%	
62) 4-Bromofluorobenzene	11.13	95	28607	4.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.76%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.20	85	16153	3.241 ug/l	98
3) Chloromethane	1.33	50	20976	4.165 ug/l	98
4) Vinyl Chloride	1.41	62	22892	4.633 ug/l	100
5) Bromomethane	1.64	94	26859	4.776 ug/l	95
6) Chloroethane	1.72	64	14773	4.622 ug/l	95
7) Trichlorofluoromethane	1.93	101	37564	4.860 ug/l	93
8) Diethyl Ether	2.19	74	14893	5.120 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	22005	4.787 ug/l	92
10) Methyl Iodide	2.51	142	31365	4.638 ug/l	99
11) Tert butyl alcohol	3.07	59	27815	28.321 ug/l #	92
12) 1,1-Dichloroethene	2.38	96	20529	4.809 ug/l	95
13) Acrolein	2.30	56	9560	20.758 ug/l	90
14) Allyl chloride	2.73	41	34519	4.963 ug/l	99
15) Acrylonitrile	3.14	53	62861	25.873 ug/l	100
16) Acetone	2.45	43	51291	23.594 ug/l	96
17) Carbon Disulfide	2.57	76	46155	4.097 ug/l	99
18) Methyl Acetate	2.78	43	32643	5.307 ug/l	93
19) Methyl tert-butyl Ether	3.20	73	73374	5.305 ug/l	95
20) Methylene Chloride	2.86	84	25755	5.241 ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	23151	5.091 ug/l	93
22) Diisopropyl ether	3.87	45	67744	5.295 ug/l	96
23) Vinyl Acetate	3.82	43	269119	25.347 ug/l	97
24) 1,1-Dichloroethane	3.70	63	38933	5.299 ug/l	98
25) 2-Butanone	4.69	43	78450	25.358 ug/l	100
26) 2,2-Dichloropropane	4.59	77	27839	4.975 ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	25319	5.097 ug/l	96
28) Bromochloromethane	5.01	49	16305	4.825 ug/l	98
29) Tetrahydrofuran	5.15	42	48145	24.744 ug/l	96
30) Chloroform	5.22	83	40132	5.234 ug/l	100
31) Cyclohexane	5.58	56	34207	5.183 ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	32133	4.965 ug/l	93
36) 1,1-Dichloropropene	5.80	75	30591	5.121 ug/l	99
37) Ethyl Acetate	4.85	43	28975	4.799 ug/l	96
38) Carbon Tetrachloride	5.78	117	27805	4.798 ug/l	90

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ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Quant Time: Feb 02 00:10:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 01 13:04:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	36137	5.000	ug/l	97
40) Benzene	6.15	78	93089	5.291	ug/l	94
41) Methacrylonitrile	5.06	41	15974	4.841	ug/l	92
42) 1,2-Dichloroethane	6.20	62	31682	5.204	ug/l	98
43) Isopropyl Acetate	6.46	43	45517	4.884	ug/l	99
44) Trichloroethene	7.21	130	27268	5.146	ug/l	94
45) 1,2-Dichloropropane	7.51	63	22844	5.182	ug/l	97
46) Dibromomethane	7.66	93	16694	5.210	ug/l	99
47) Bromodichloromethane	7.90	83	25958	4.780	ug/l	97
48) Methyl methacrylate	7.77	41	24032	5.155	ug/l	94
49) 1,4-Dioxane	7.75	88	11839	102.043	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	155335	25.318	ug/l	99
52) Toluene	8.78	92	60102	5.294	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	26033	4.463	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	30340	4.730	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	24738	5.228	ug/l	99
56) Ethyl methacrylate	9.18	69	32215	4.915	ug/l	95
57) 1,3-Dichloropropane	9.37	76	40460	5.376	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	84392	24.430	ug/l	98
59) 2-Hexanone	9.49	43	121967	25.546	ug/l	96
60) Dibromochloromethane	9.58	129	20298	4.535	ug/l	98
61) 1,2-Dibromoethane	9.67	107	26247	5.238	ug/l	91
64) Tetrachloroethene	9.33	164	32348	5.557	ug/l	98
65) Chlorobenzene	10.13	112	70048	5.197	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	22392	4.956	ug/l	100
67) Ethyl Benzene	10.25	91	112462	5.182	ug/l	99
68) m/p-Xylenes	10.36	106	88767	10.289	ug/l	99
69) o-Xylene	10.69	106	43015	5.181	ug/l	96
70) Styrene	10.71	104	67943	5.046	ug/l	99
71) Bromoform	10.85	173	14775	4.226	ug/l #	98
73) Isopropylbenzene	11.02	105	116299	5.399	ug/l	98
74) N-amyl acetate	10.90	43	38401	4.609	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	33624	5.122	ug/l	97
76) 1,2,3-Trichloropropane	11.30	75	37247	5.574	ug/l	93
77) Bromobenzene	11.26	156	32486	5.352	ug/l	96
78) n-propylbenzene	11.36	91	123945	5.247	ug/l	100
79) 2-Chlorotoluene	11.42	91	77664	5.419	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	92263	5.235	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	6952	3.915	ug/l #	70
82) 4-Chlorotoluene	11.51	91	86655	5.225	ug/l	99
83) tert-Butylbenzene	11.77	119	90314	5.176	ug/l	96
84) 1,2,4-Trimethylbenzene	11.80	105	95367	5.330	ug/l	99
85) sec-Butylbenzene	11.94	105	111958	5.302	ug/l	98
86) p-Isopropyltoluene	12.06	119	98644	5.175	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	57070	5.239	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	59051	5.347	ug/l	95
89) n-Butylbenzene	12.38	91	79613	4.855	ug/l	98
90) Hexachloroethane	12.60	117	12599	4.416	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	57785	5.331	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	6091	4.462	ug/l	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020119\
Quantitation Report (Not Reviewed)

Data File : VX007326.D
Acq On : 01 Feb 2019 10:03
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Feb 02 00:10:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 01 13:04:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	34549	4.726	ug/l	97
94) Hexachlorobutadiene	13.78	225	17511	4.933	ug/l	97
95) Naphthalene	13.83	128	102320	4.786	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	35872	4.875	ug/l	97

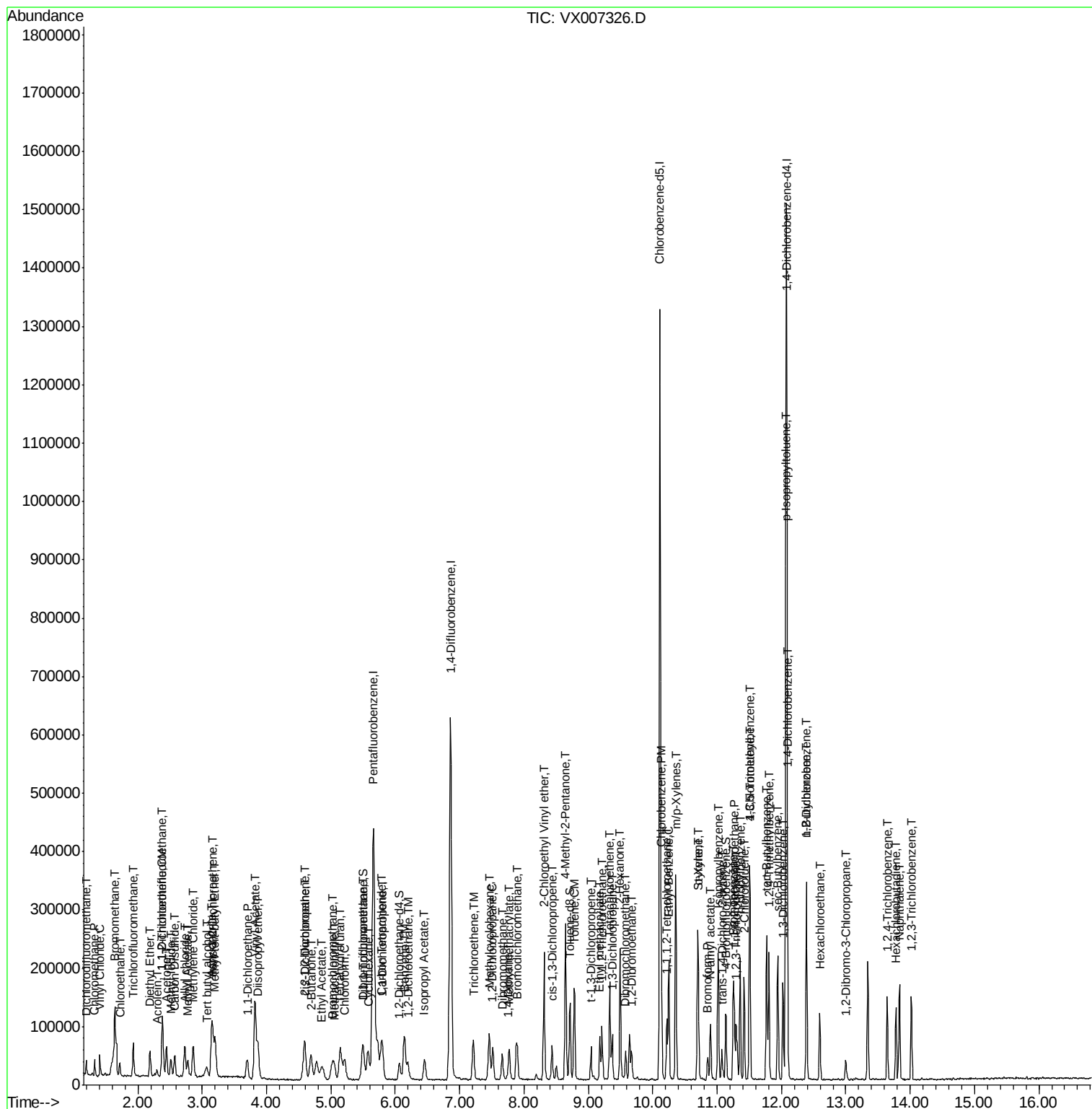
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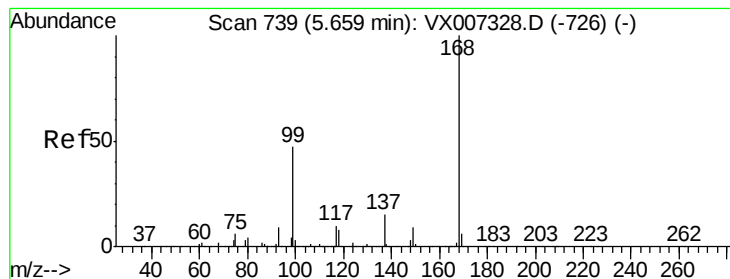
Data File : VX007326.D

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Acq On       : 01 Feb 2019   10:03
Operator    : JC/SP
Sample      : VSTDIC005
Misc       : 5.0mL/MSV0A_X/WATER
ALS Vial    : 3      Sample Multiplier: 1
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Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Quant Time: Feb 02 00:10:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 01 13:04:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

ClientSampleId :

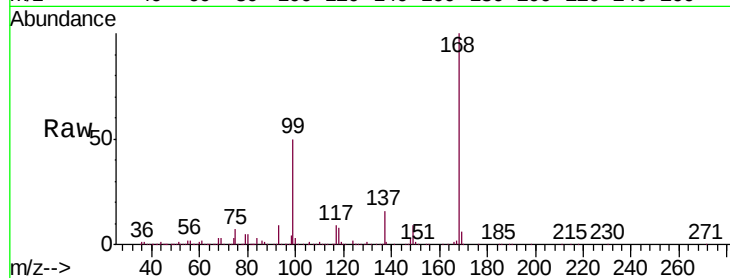
VSTDIC005

Tgt Ion:168 Resp: 447111

Ion Ratio Lower Upper

168 100

99 50.4 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

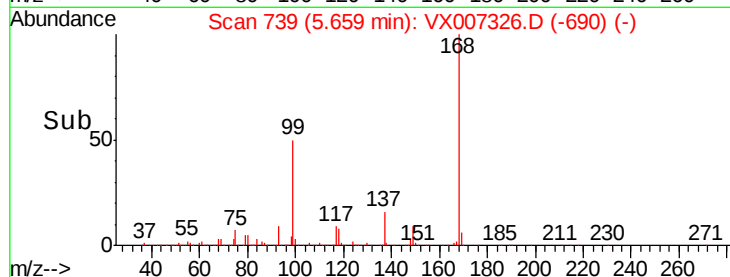
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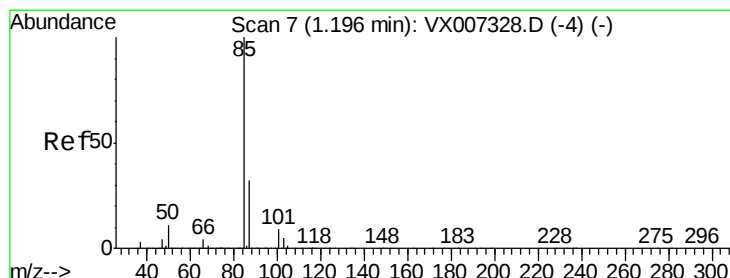
50000

0

5.50 5.60 5.70 5.80



Time-->



#2

Dichlorodifluoromethane

Concen: 3.241 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007326.D

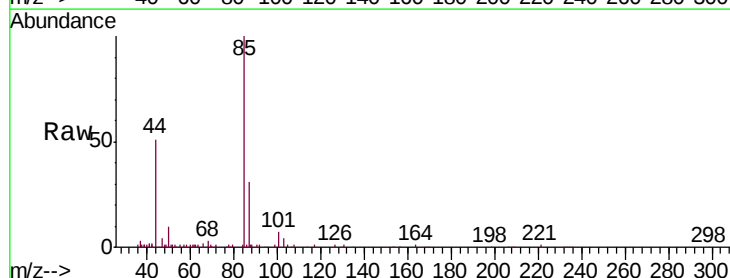
Acq: 01 Feb 2019 10:03

Tgt Ion: 85 Resp: 16153

Ion Ratio Lower Upper

85 100

87 30.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

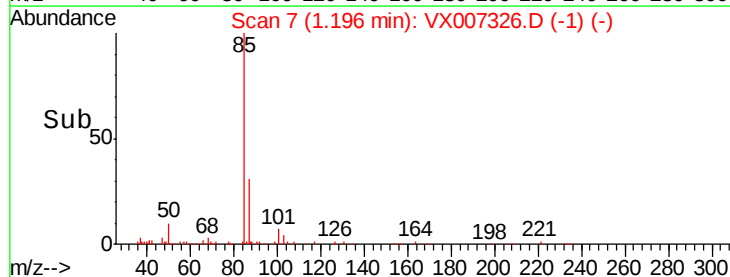
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10000

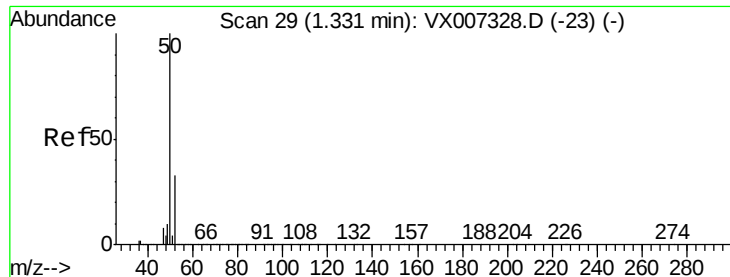
5000

0

1.15 1.20 1.25



Time-->



#3

Chloromethane

Concen: 4.165 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

ClientSampleId :

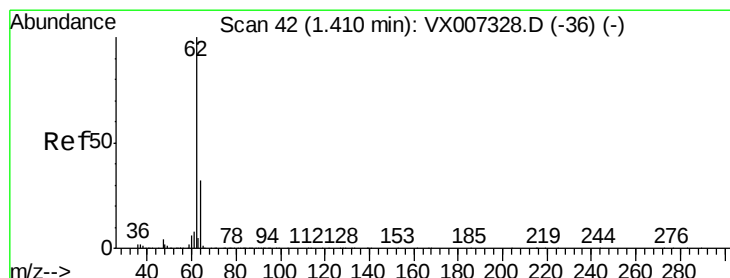
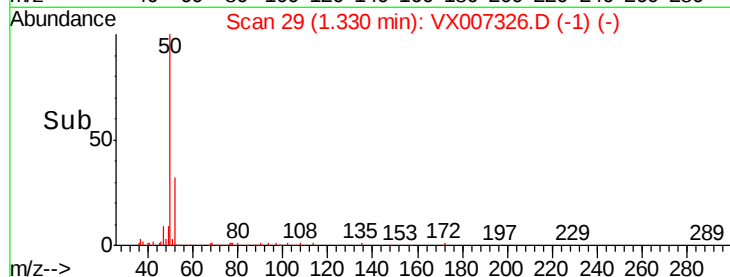
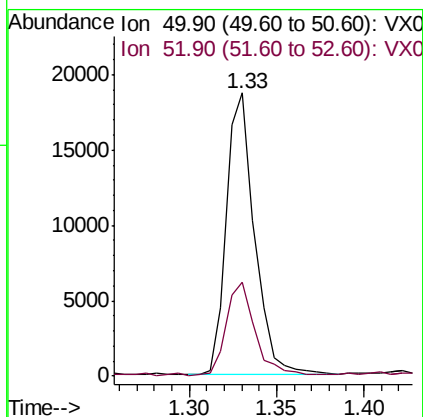
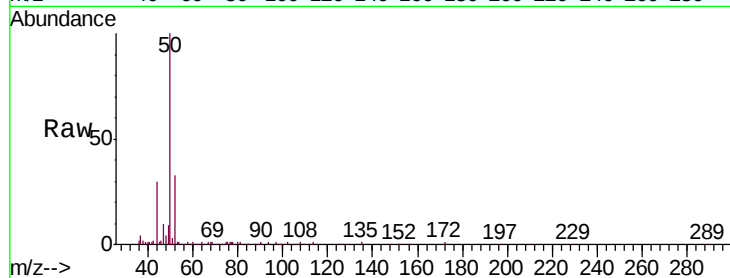
VSTDIC005

Tgt Ion: 50 Resp: 20976

Ion Ratio Lower Upper

50 100

52 33.1 25.4 38.2



#4

Vinyl Chloride

Concen: 4.633 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007326.D

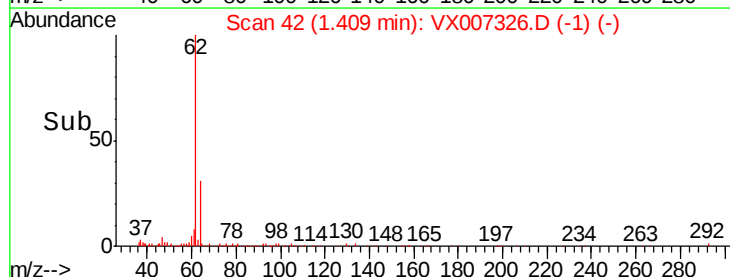
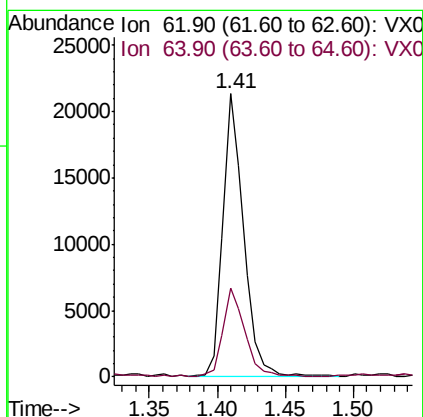
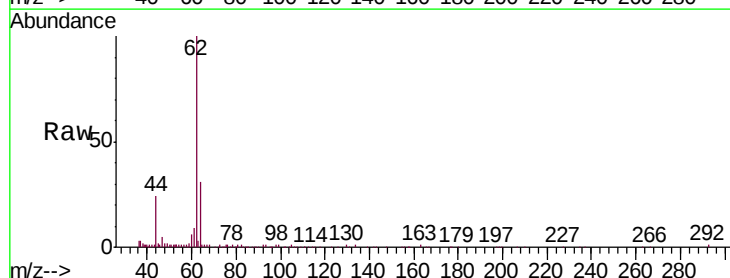
Acq: 01 Feb 2019 10:03

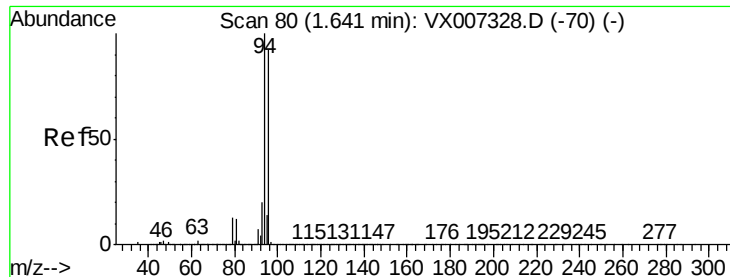
Tgt Ion: 62 Resp: 22892

Ion Ratio Lower Upper

62 100

64 31.4 25.1 37.7





#5

Bromomethane

Concen: 4.776 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

ClientSampleId :

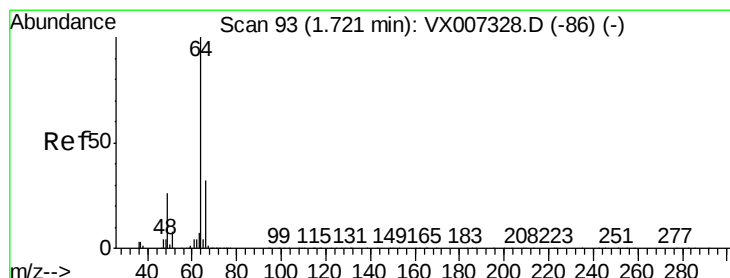
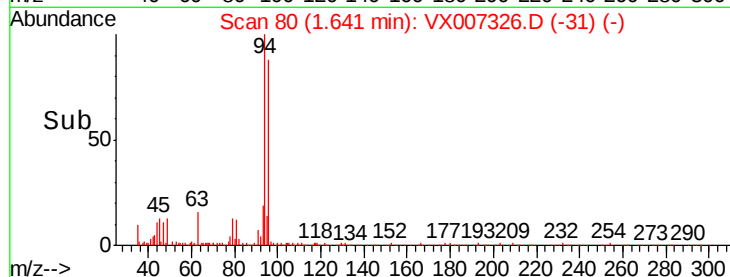
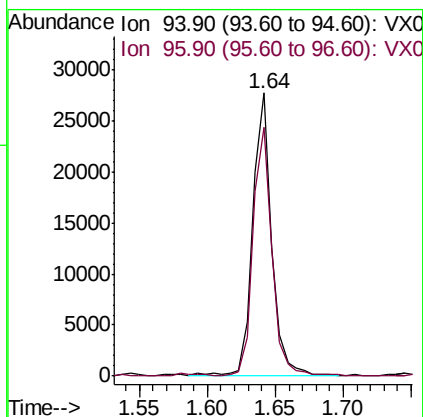
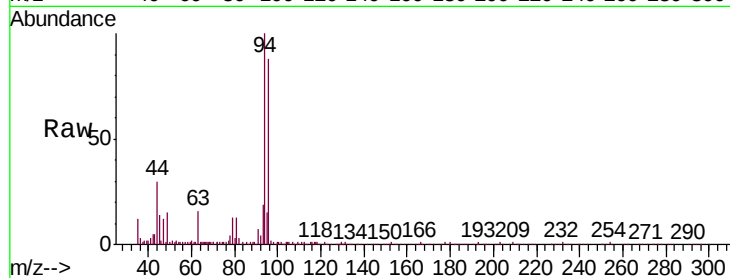
VSTDIC005

Tgt Ion: 94 Resp: 26859

Ion Ratio Lower Upper

94 100

96 87.5 73.4 110.2



#6

Chloroethane

Concen: 4.622 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX007326.D

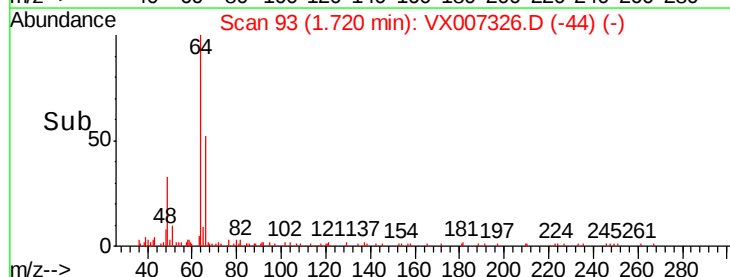
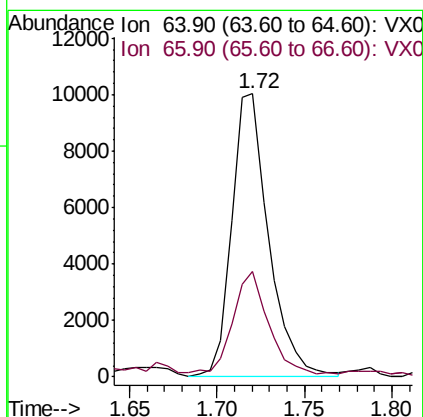
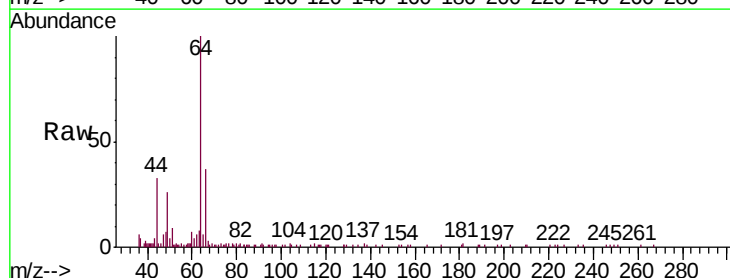
Acq: 01 Feb 2019 10:03

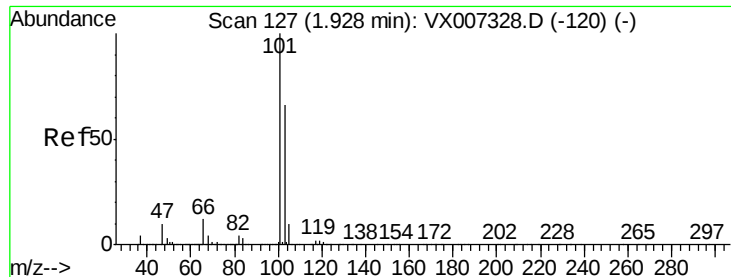
Tgt Ion: 64 Resp: 14773

Ion Ratio Lower Upper

64 100

66 36.0 26.4 39.6





#7

Trichlorofluoromethane

Concen: 4.860 ug/l

RT: 1.93 min Scan# 127

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

ClientSampleId :

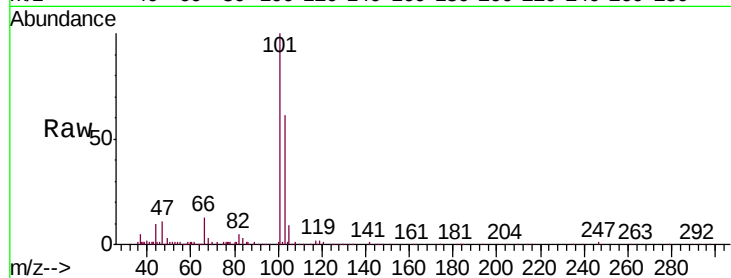
VSTDIC005

Tgt Ion:101 Resp: 37564

Ion Ratio Lower Upper

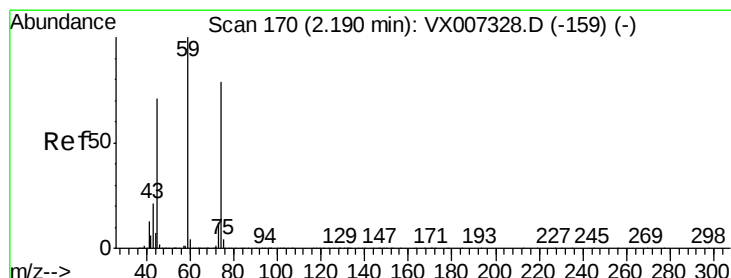
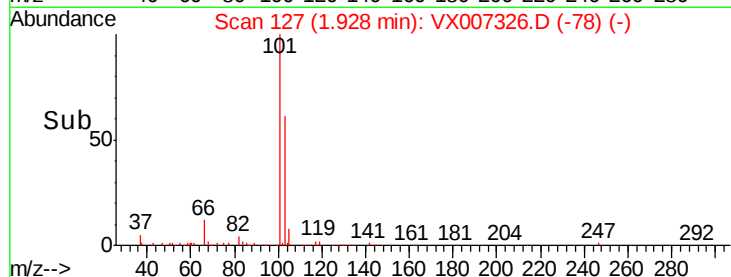
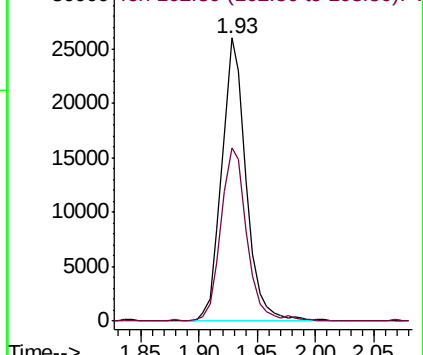
101 100

103 61.0 53.2 79.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 5.120 ug/l

RT: 2.19 min Scan# 170

Delta R.T. -0.00 min

Lab File: VX007326.D

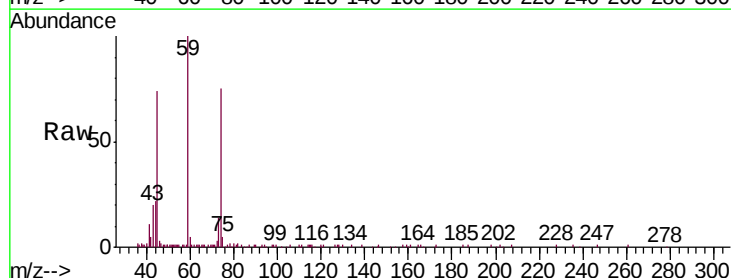
Acq: 01 Feb 2019 10:03

Tgt Ion: 74 Resp: 14893

Ion Ratio Lower Upper

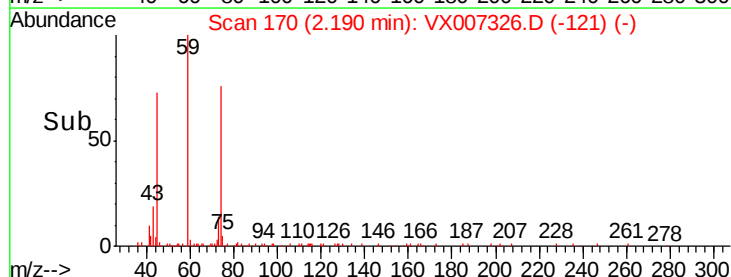
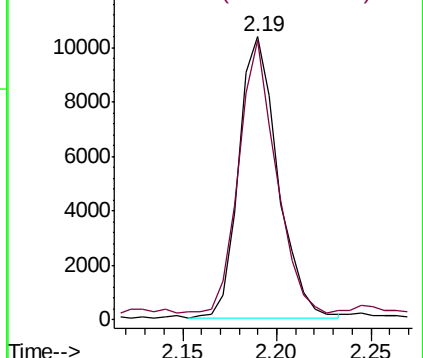
74 100

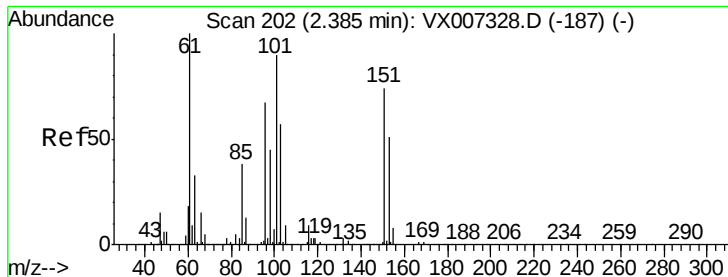
45 93.9 46.3 138.9



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: 4.787 ug/l

RT: 2.38 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

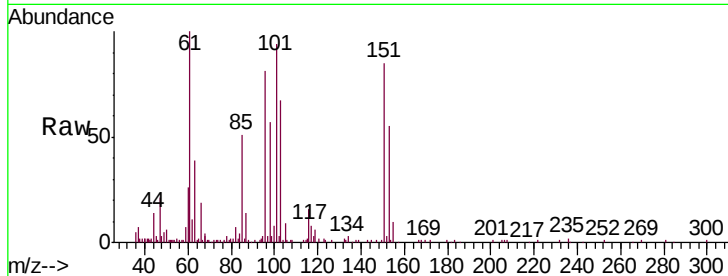
Tgt Ion:101 Resp: 22005

Ion Ratio Lower Upper

101 100

85 51.6 35.1 52.7

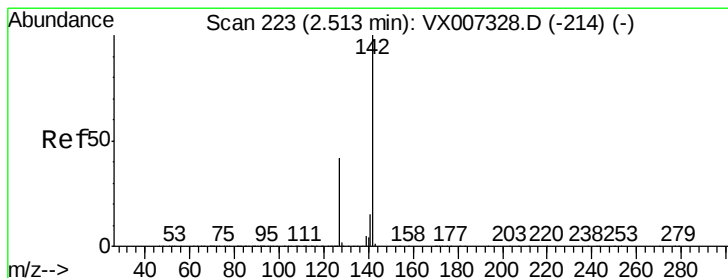
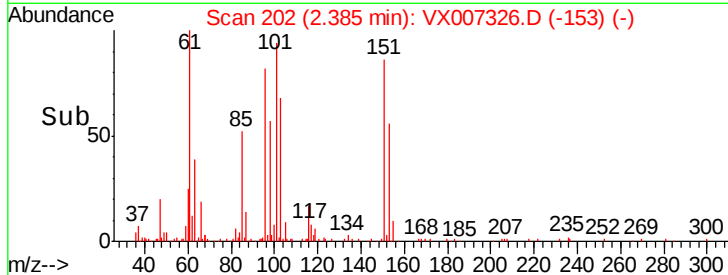
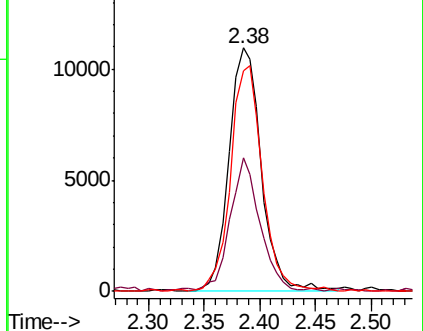
151 91.4 68.9 103.3



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: 4.638 ug/l

RT: 2.51 min Scan# 223

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

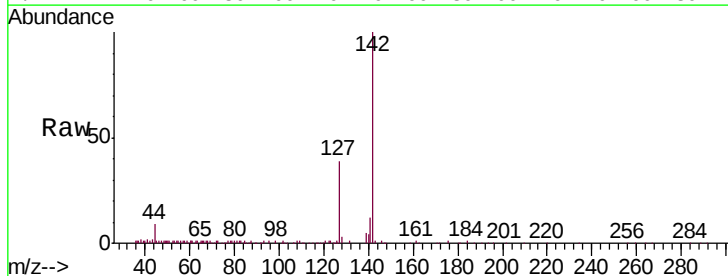
Tgt Ion:142 Resp: 31365

Ion Ratio Lower Upper

142 100

127 41.6 33.9 50.9

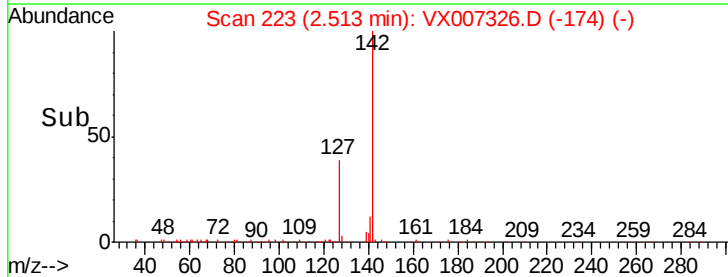
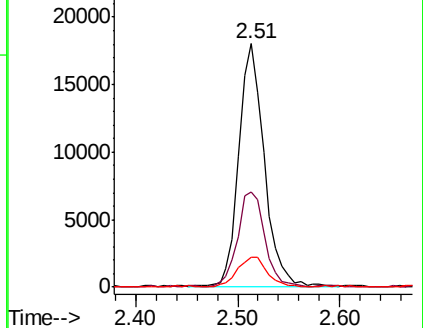
141 14.7 11.4 17.0

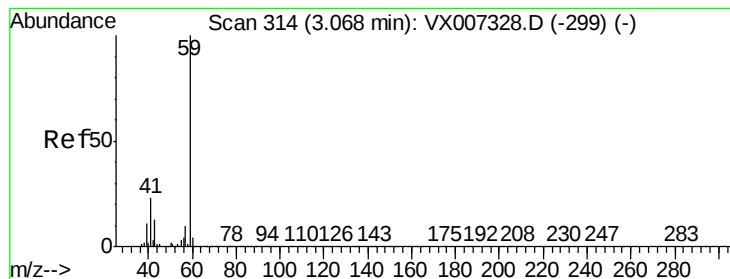


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 28.321 ug/l

RT: 3.07 min Scan# 315

Delta R.T. 0.01 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

ClientSampled :

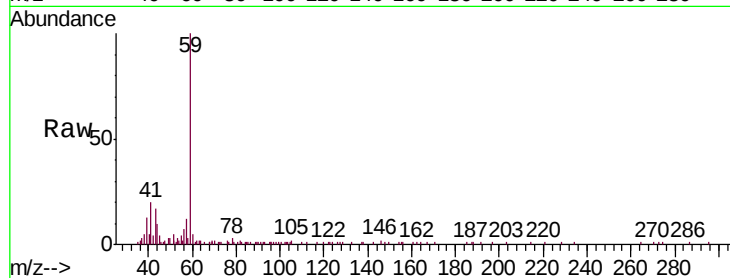
VSTDIC005

Tgt Ion: 59 Resp: 27815

Ion Ratio Lower Upper

59 100

57 13.6 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

10000

8000

6000

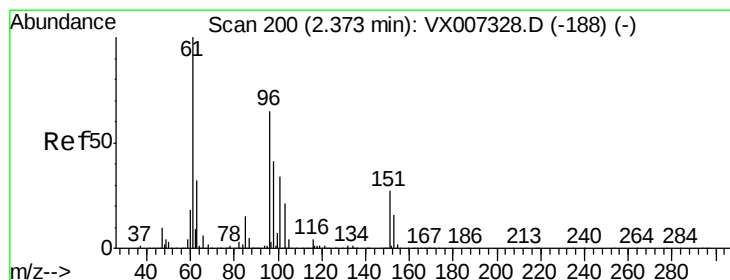
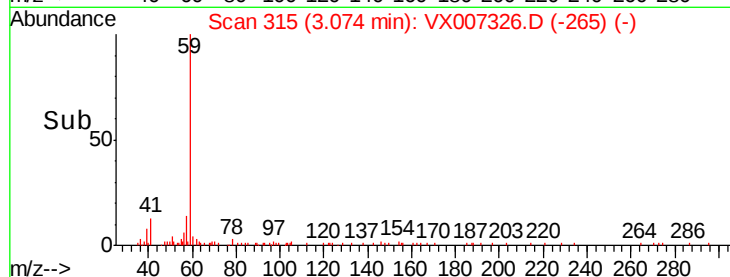
4000

2000

0

Time--> 2.90 3.00 3.10

3.07



#12

1,1-Dichloroethene

Concen: 4.809 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

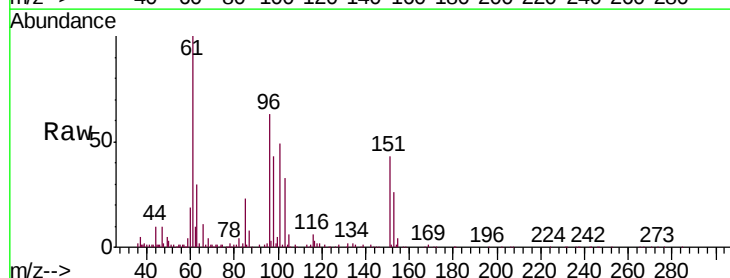
Tgt Ion: 96 Resp: 20529

Ion Ratio Lower Upper

96 100

61 159.2 121.4 182.2

98 68.3 51.9 77.9



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

25000

20000

15000

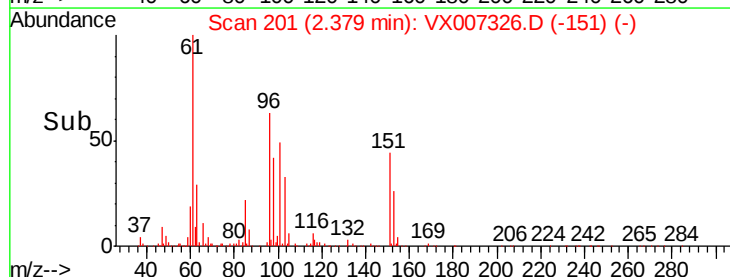
10000

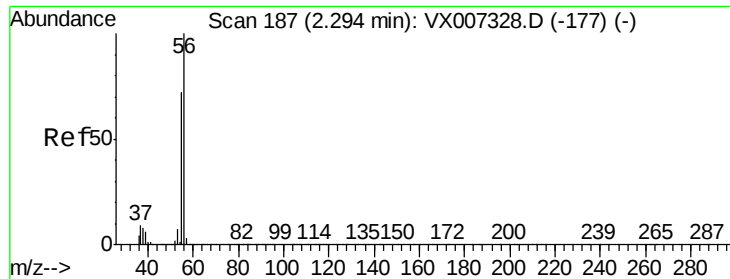
5000

0

Time--> 2.30 2.35 2.40 2.45 2.50

2.38





#13

Acrolein

Concen: 20.758 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

ClientSampleId :

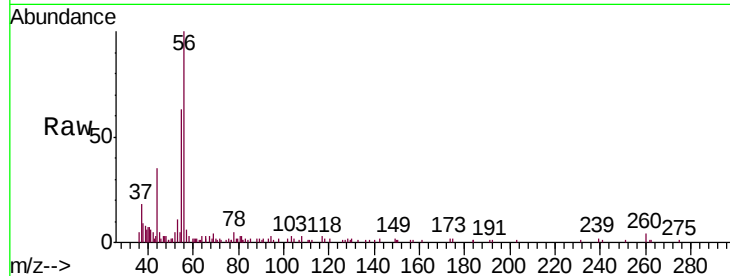
VSTDIC005

Tgt Ion: 56 Resp: 9560

Ion Ratio Lower Upper

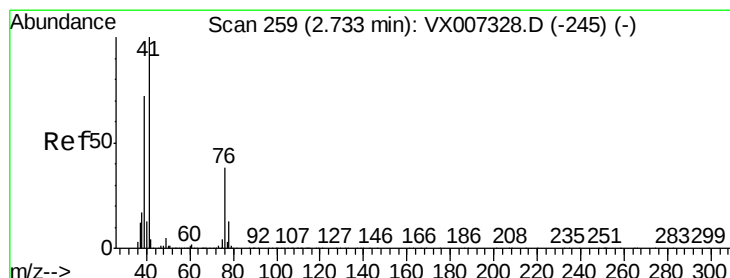
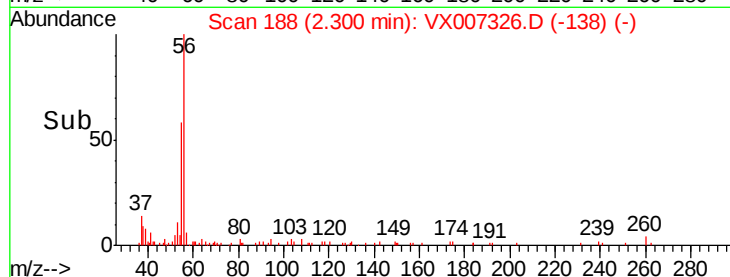
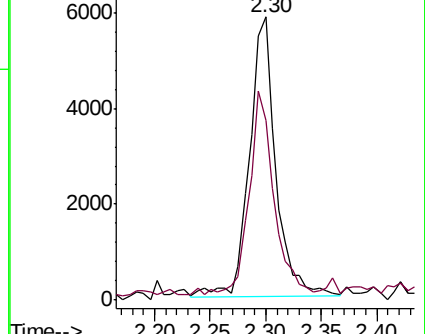
56 100

55 64.8 58.2 87.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 4.963 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.01 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

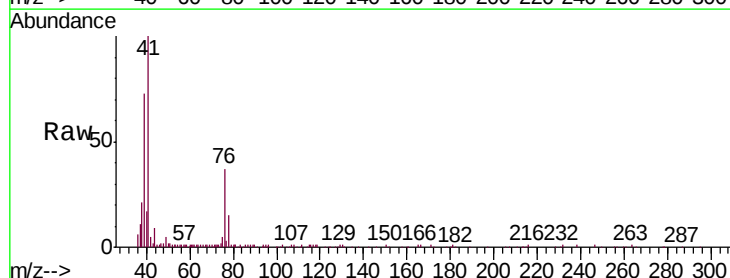
Tgt Ion: 41 Resp: 34519

Ion Ratio Lower Upper

41 100

39 67.9 53.6 80.4

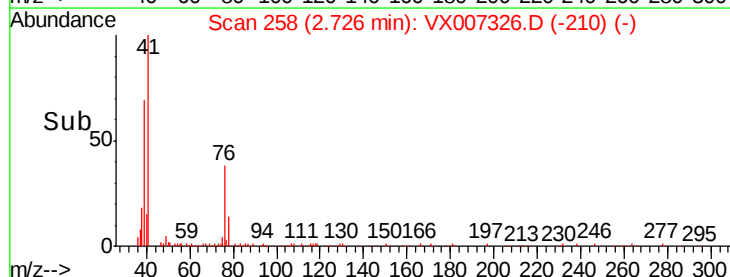
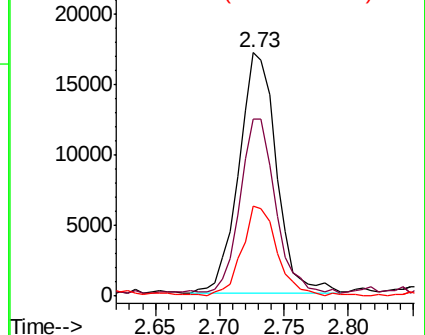
76 34.0 27.4 41.2

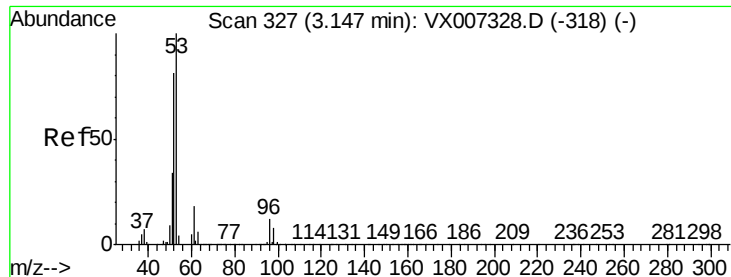


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 25.873 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

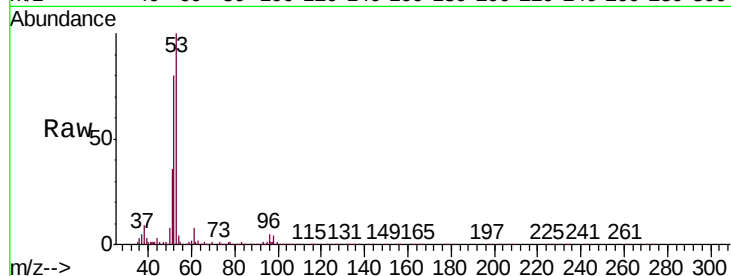
Tgt Ion: 53 Resp: 62861

Ion Ratio Lower Upper

53 100

52 82.4 66.0 99.0

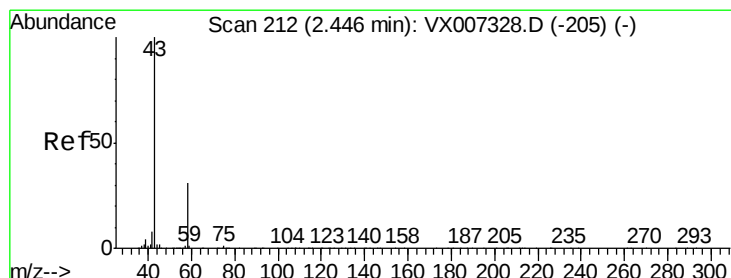
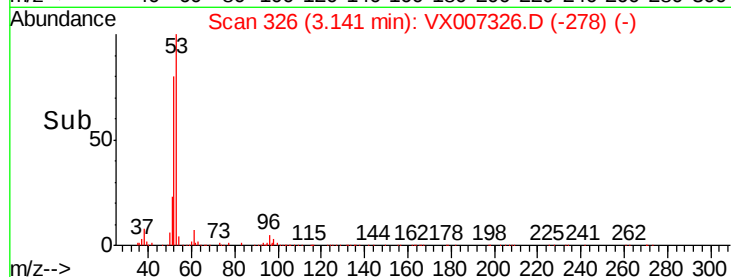
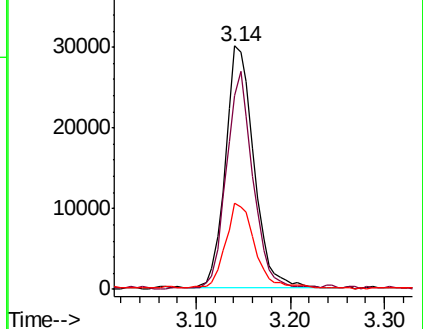
51 36.5 28.6 42.8



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: 23.594 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007326.D

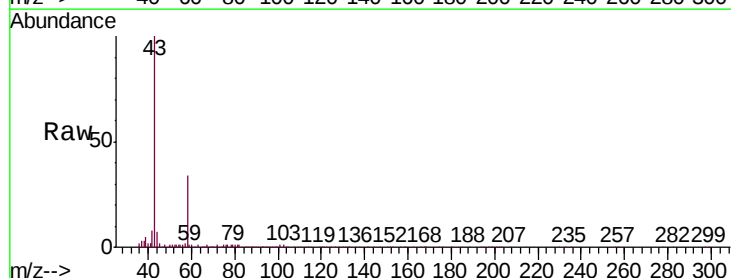
Acq: 01 Feb 2019 10:03

Tgt Ion: 43 Resp: 51291

Ion Ratio Lower Upper

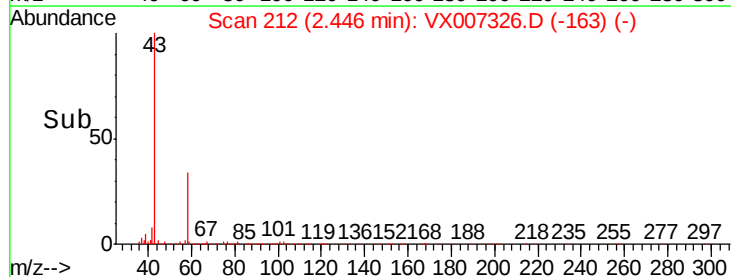
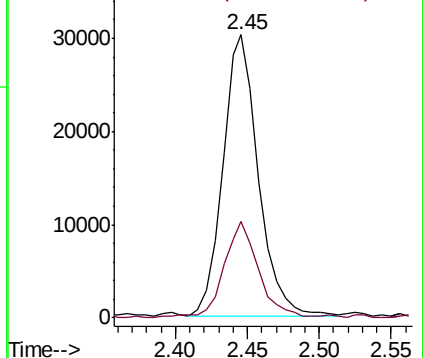
43 100

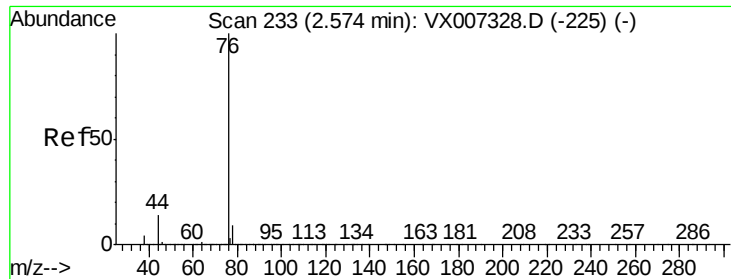
58 33.5 25.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 4.097 ug/l

RT: 2.57 min Scan# 233

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

ClientSampleId :

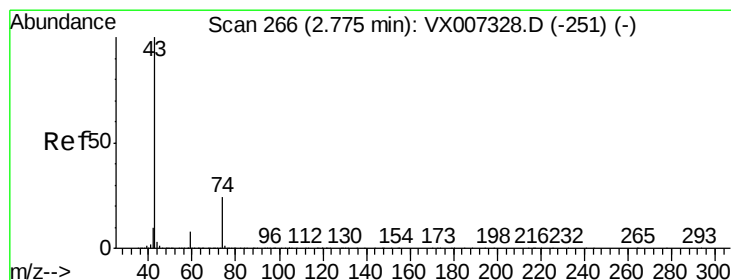
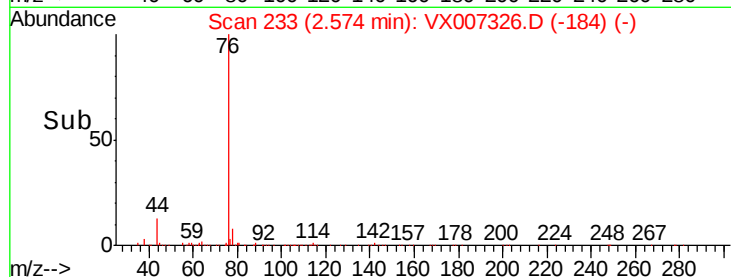
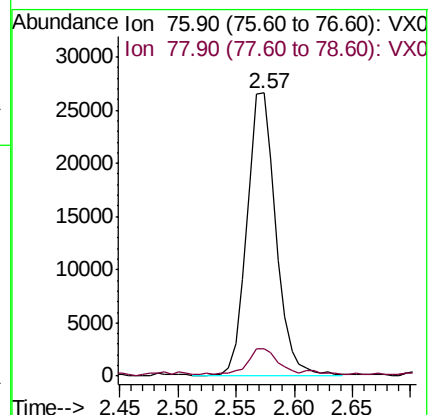
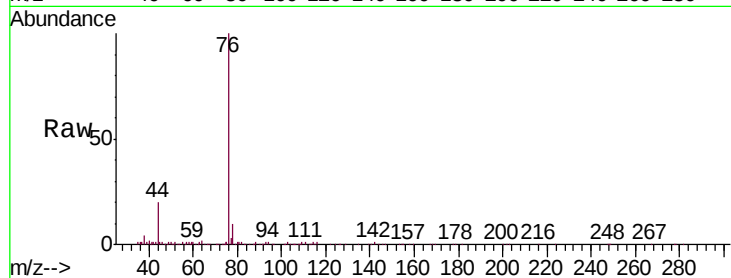
VSTDIC005

Tgt Ion: 76 Resp: 46155

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6



#18

Methyl Acetate

Concen: 5.307 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX007326.D

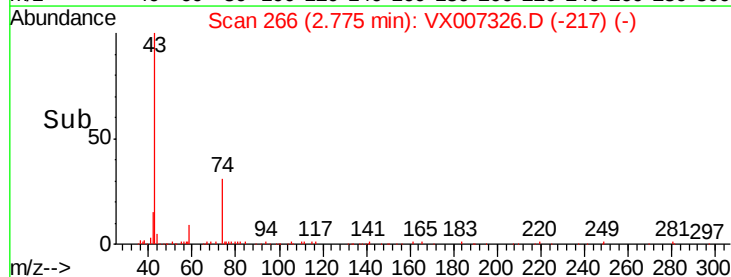
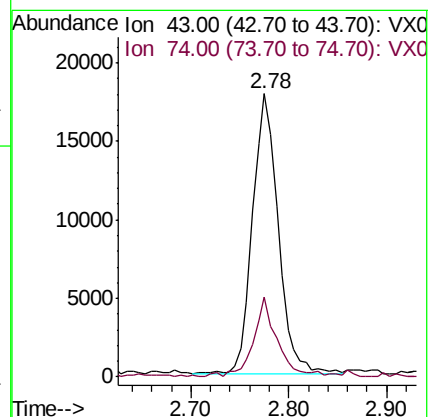
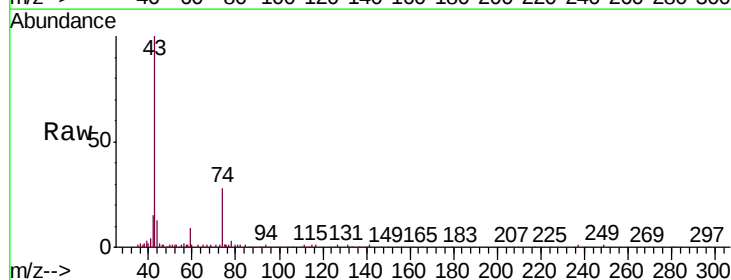
Acq: 01 Feb 2019 10:03

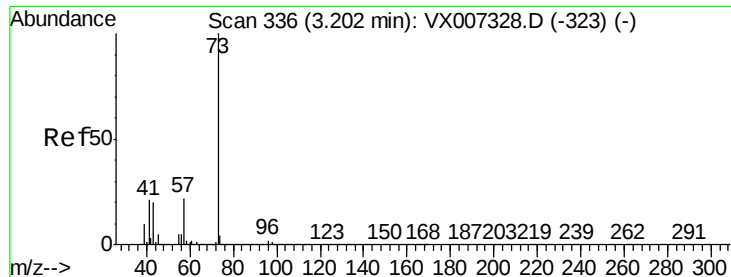
Tgt Ion: 43 Resp: 32643

Ion Ratio Lower Upper

43 100

74 26.6 18.6 28.0





#19

Methyl tert-butyl Ether

Concen: 5.305 ug/l

RT: 3.20 min Scan# 336

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

ClientSampleId :

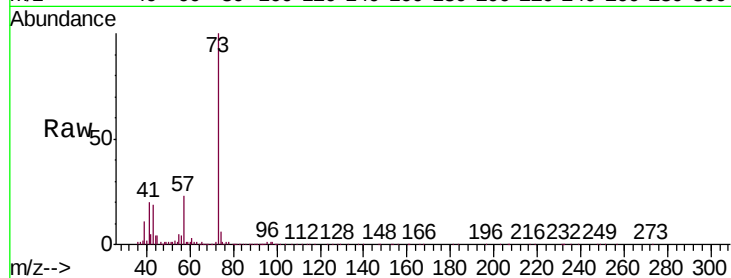
VSTDIC005

Tgt Ion: 73 Resp: 73374

Ion Ratio Lower Upper

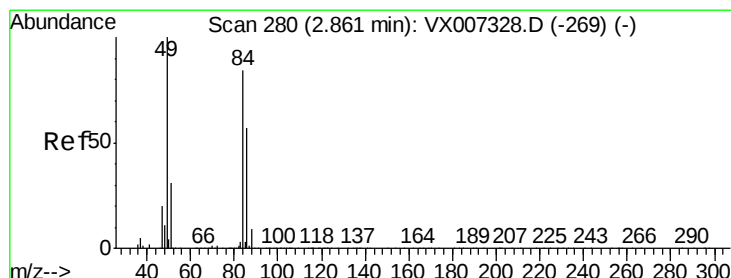
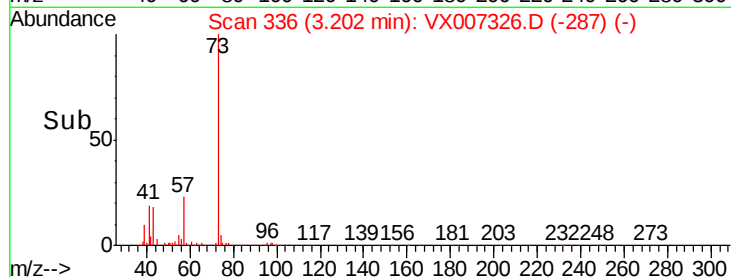
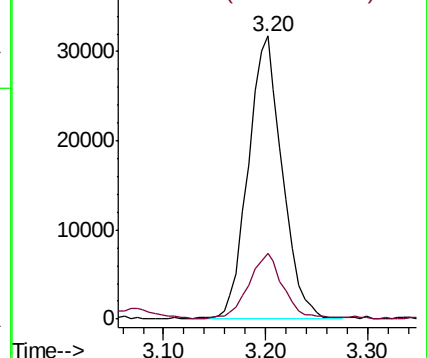
73 100

57 23.2 16.8 25.2



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#20

Methylene Chloride

Concen: 5.241 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Tgt Ion: 84 Resp: 25755

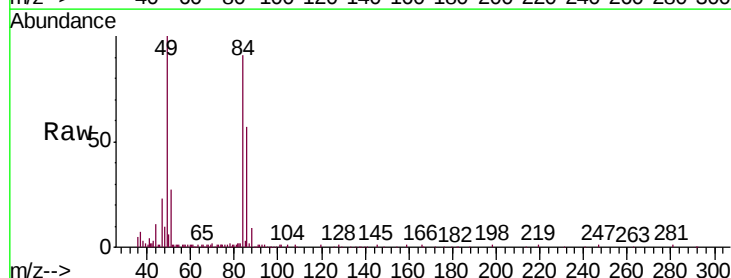
Ion Ratio Lower Upper

84 100

49 109.5 91.8 137.6

51 29.1 28.5 42.7

86 62.3 50.2 75.2

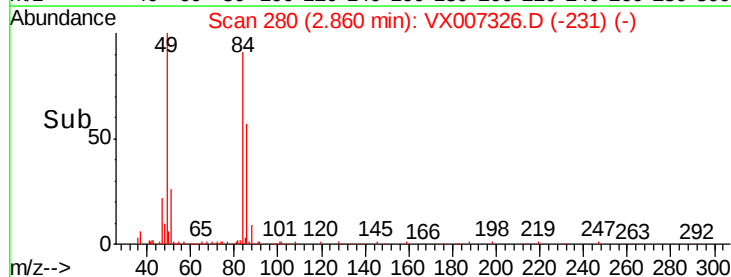
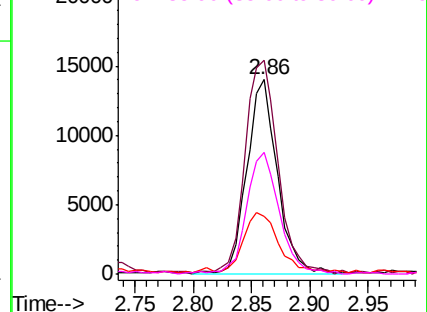


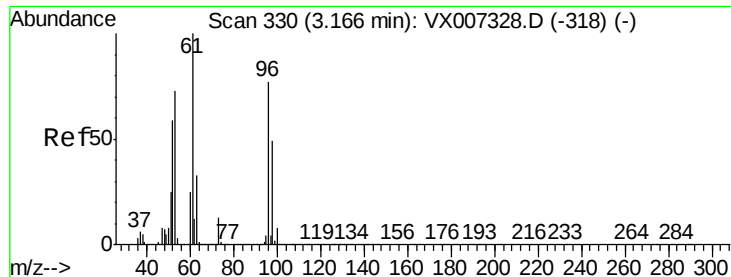
Abundance Ion 83.90 (83.60 to 84.60): VX0

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





#21

trans-1,2-Dichloroethene

Concen: 5.091 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

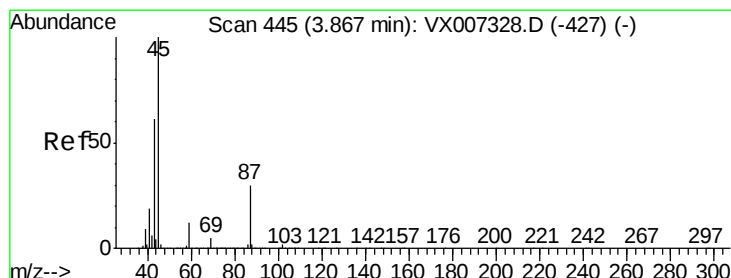
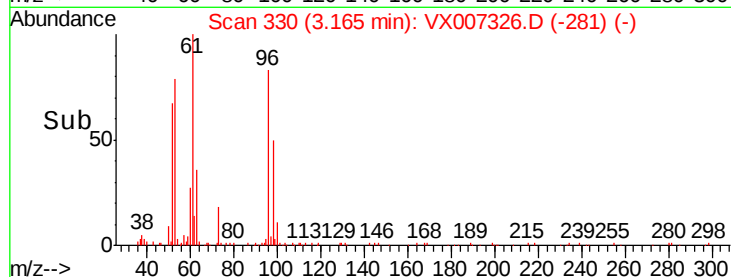
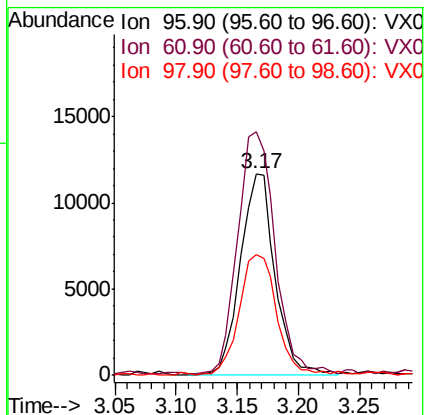
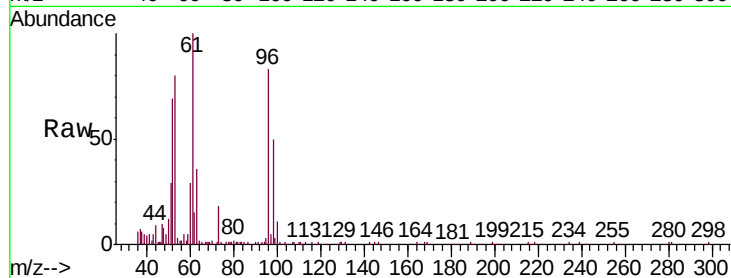
Tgt Ion: 96 Resp: 23151

Ion Ratio Lower Upper

96 100

61 120.0 103.7 155.5

98 59.5 51.0 76.6



#22

Diisopropyl ether

Concen: 5.295 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Tgt Ion: 45 Resp: 67744

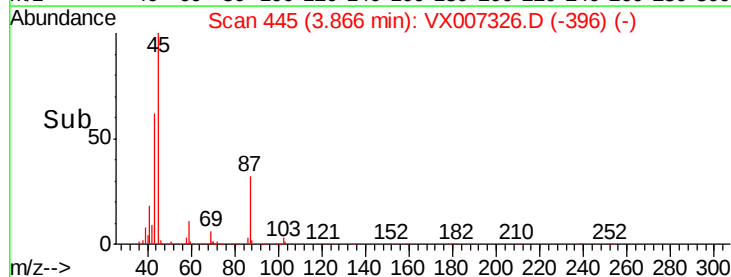
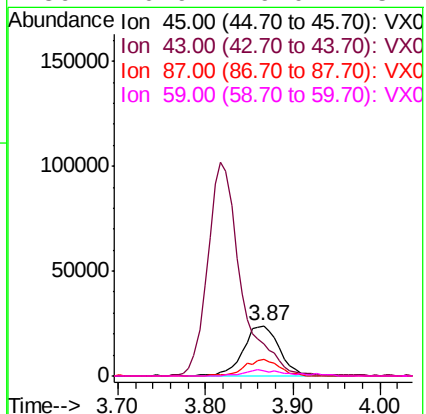
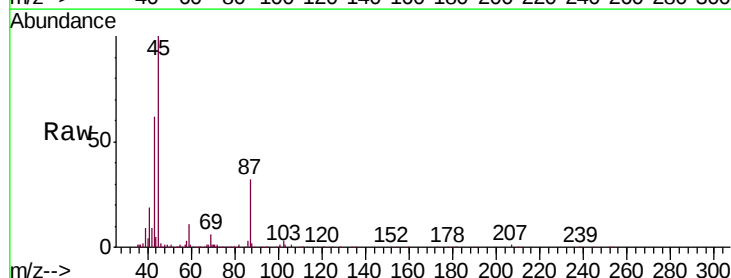
Ion Ratio Lower Upper

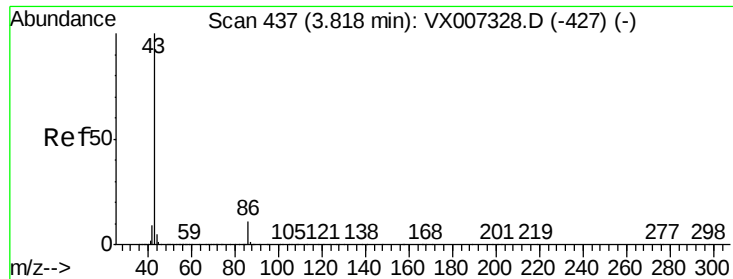
45 100

43 59.3 51.2 76.8

87 32.2 25.8 38.6

59 10.9 9.0 13.4





#23

Vinyl Acetate

Concen: 25.347 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

ClientSampleId :

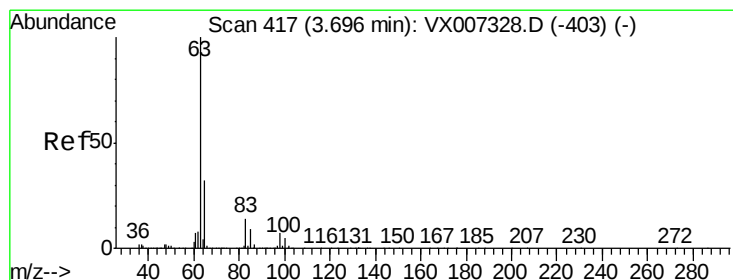
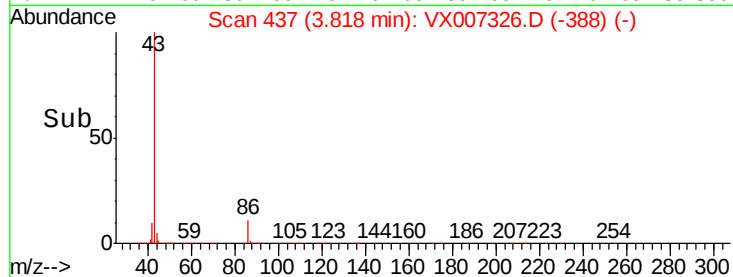
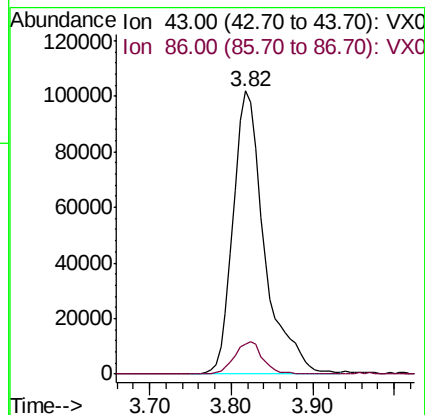
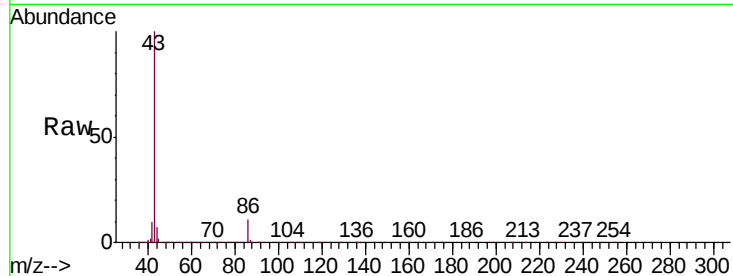
VSTDIC005

Tgt Ion: 43 Resp: 269119

Ion Ratio Lower Upper

43 100

86 10.5 9.2 13.8



#24

1,1-Dichloroethane

Concen: 5.299 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

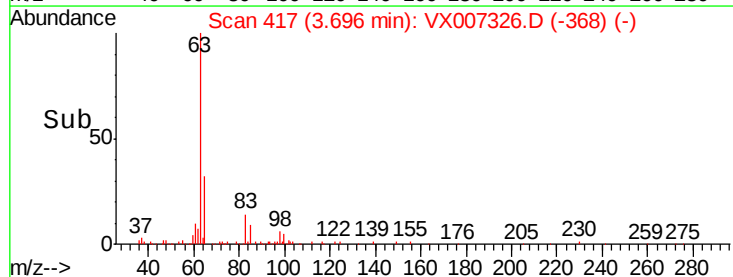
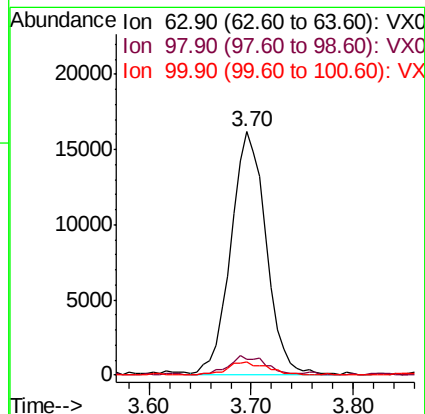
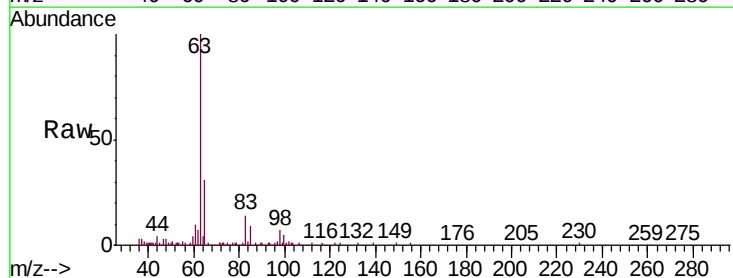
Tgt Ion: 63 Resp: 38933

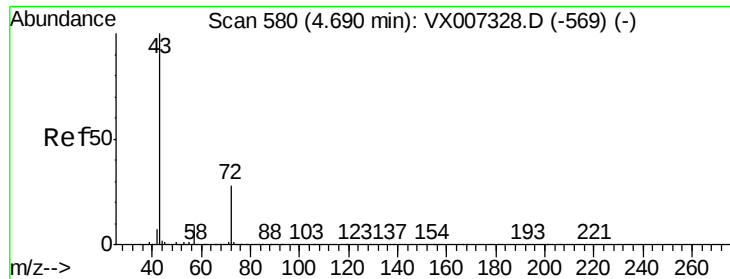
Ion Ratio Lower Upper

63 100

98 6.7 3.9 11.5

100 5.3 2.4 7.2





#25

2-Butanone

Concen: 25.358 ug/l

RT: 4.69 min Scan# 580

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

ClientSampleId :

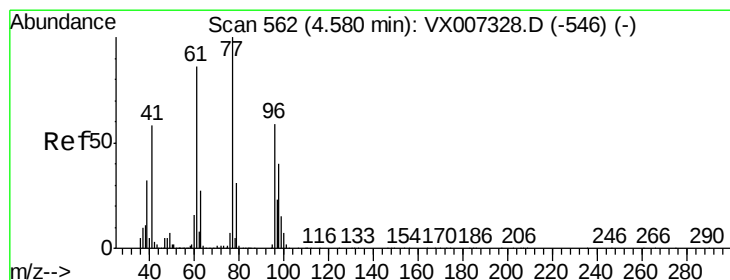
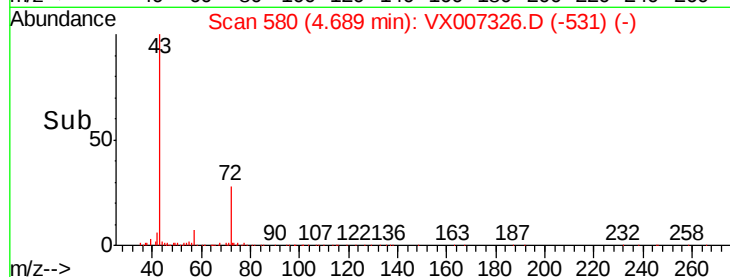
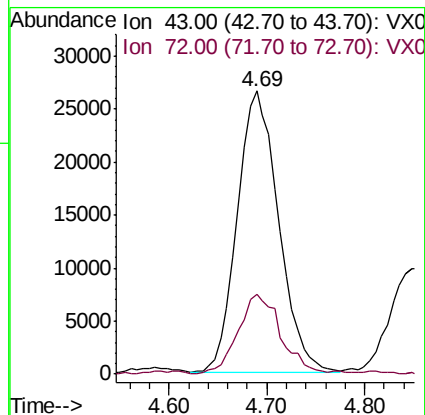
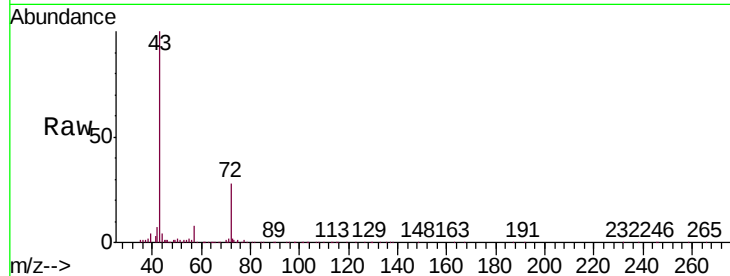
VSTDIC005

Tgt Ion: 43 Resp: 78450

Ion Ratio Lower Upper

43 100

72 28.0 22.4 33.6



#26

2,2-Dichloropropane

Concen: 4.975 ug/l

RT: 4.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VX007326.D

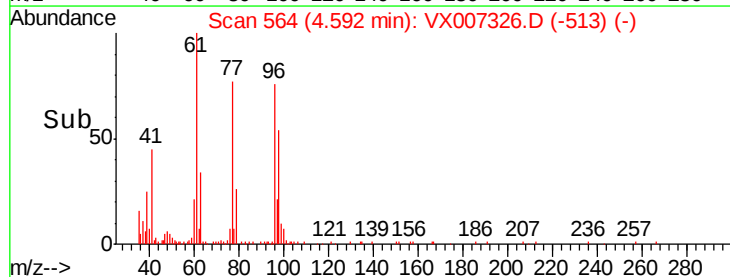
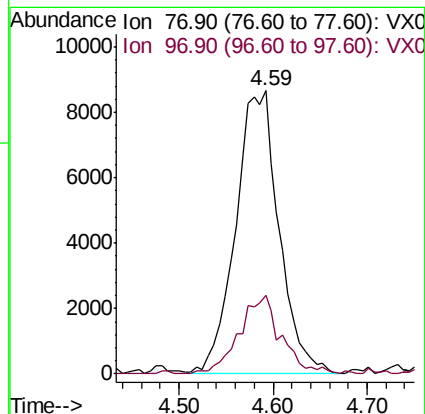
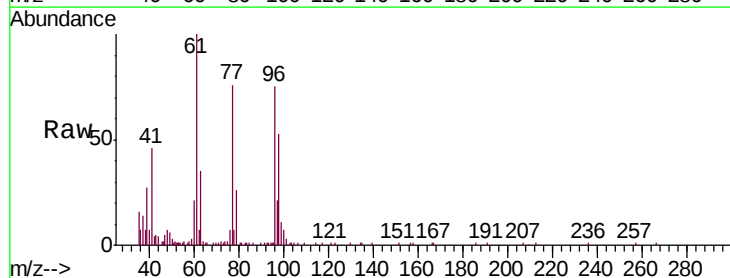
Acq: 01 Feb 2019 10:03

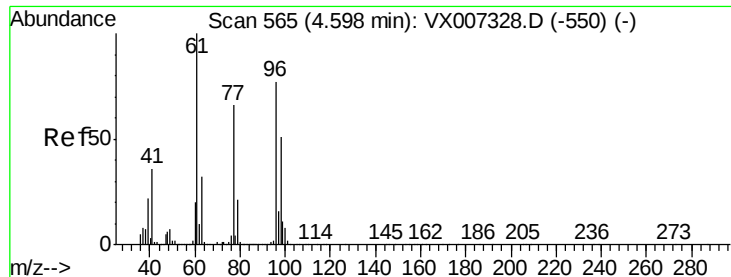
Tgt Ion: 77 Resp: 27839

Ion Ratio Lower Upper

77 100

97 26.7 12.4 37.4



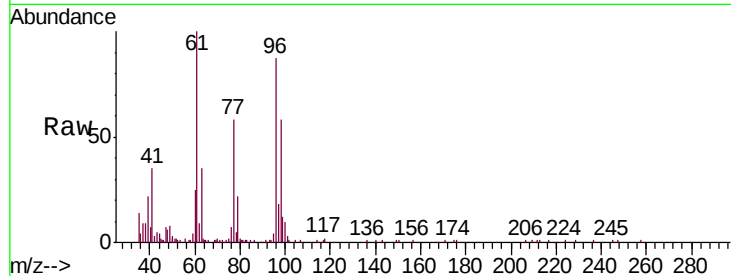


#27

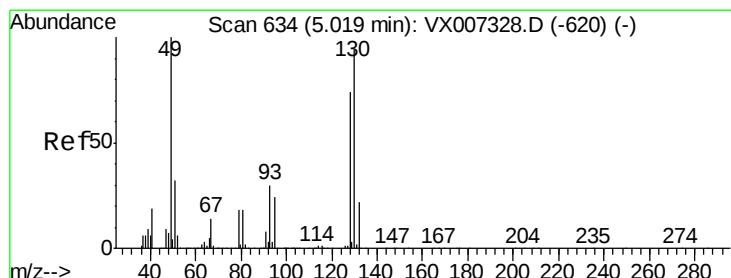
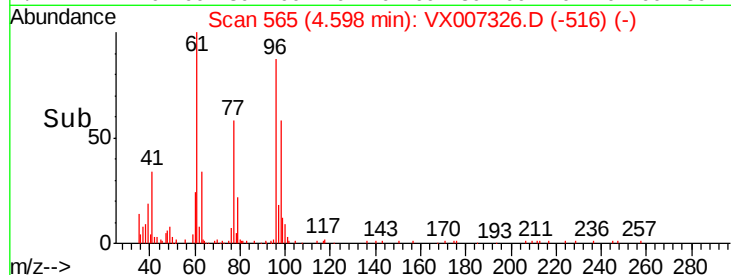
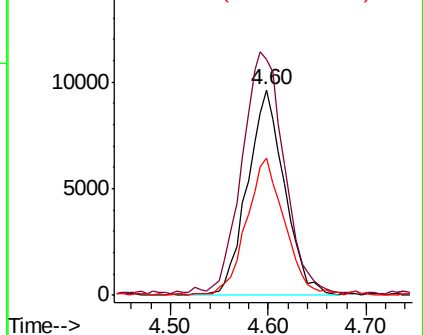
cis-1,2-Dichloroethene
Concen: 5.097 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX007326.D
Acq: 01 Feb 2019 10:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 96 Resp: 25319
Ion Ratio Lower Upper
96 100
61 134.5 0.0 258.6
98 68.8 0.0 132.0



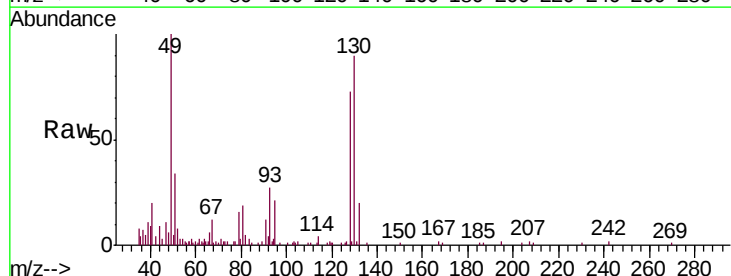
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



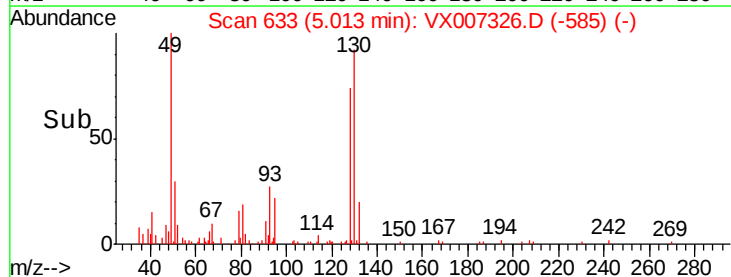
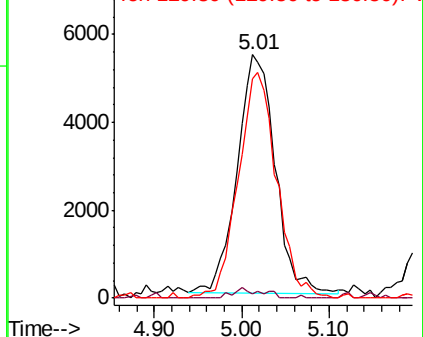
#28

Bromochloromethane
Concen: 4.825 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX007326.D
Acq: 01 Feb 2019 10:03

Tgt Ion: 49 Resp: 16305
Ion Ratio Lower Upper
49 100
129 1.8 0.0 5.4
130 95.6 77.7 116.5



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

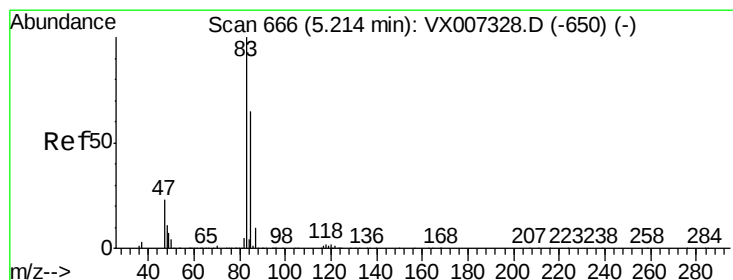
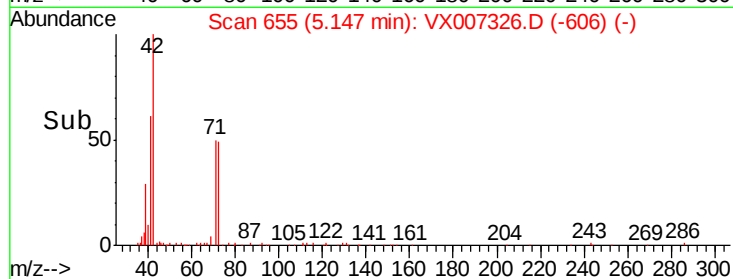
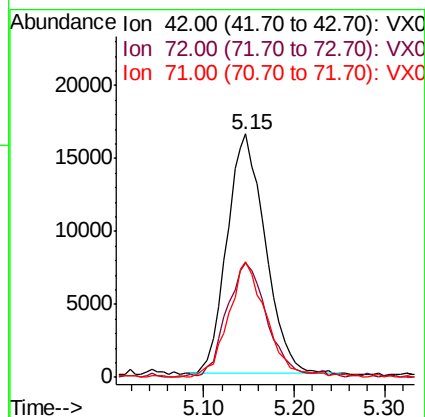
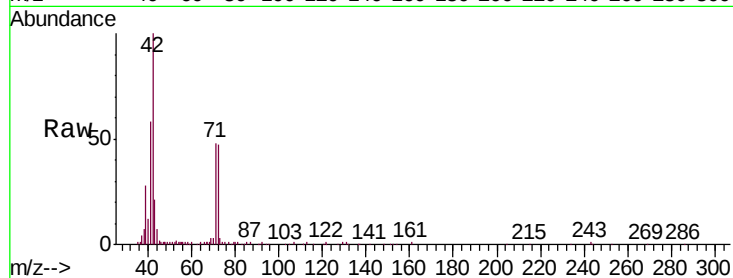




#29
Tetrahydrofuran
Concen: 24.744 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.00 min
Lab File: VX007326.D
Acq: 01 Feb 2019 10:03

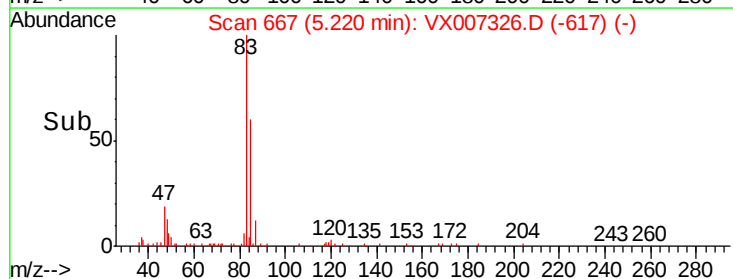
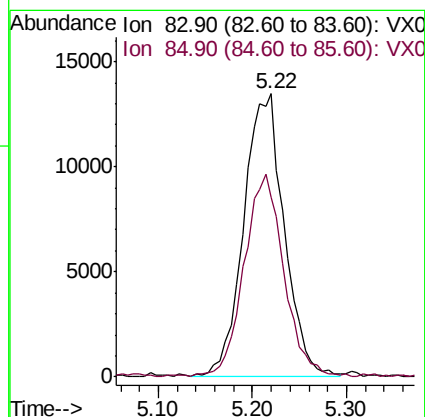
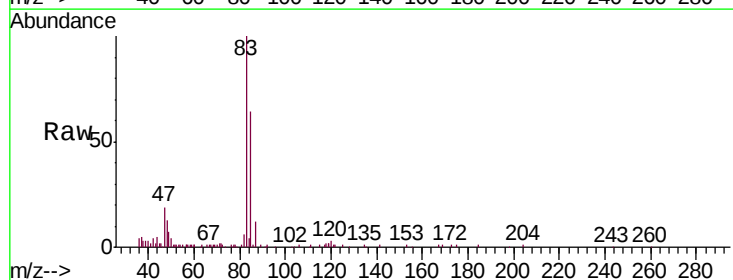
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

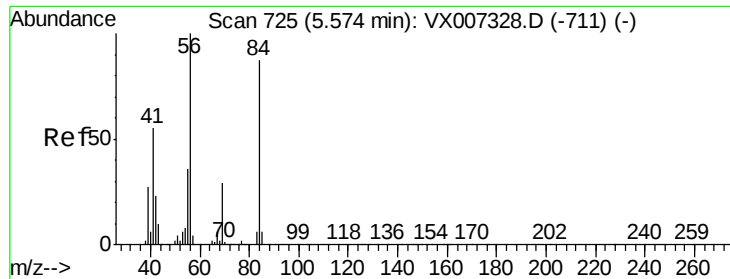
Tgt Ion: 42 Resp: 48145
Ion Ratio Lower Upper
42 100
72 50.7 38.9 58.3
71 48.4 36.2 54.4



#30
Chloroform
Concen: 5.234 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX007326.D
Acq: 01 Feb 2019 10:03

Tgt Ion: 83 Resp: 40132
Ion Ratio Lower Upper
83 100
85 63.8 51.2 76.8

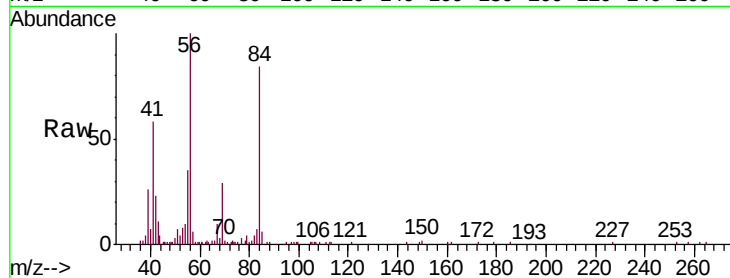




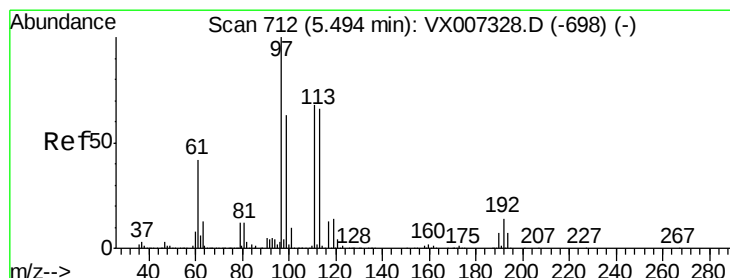
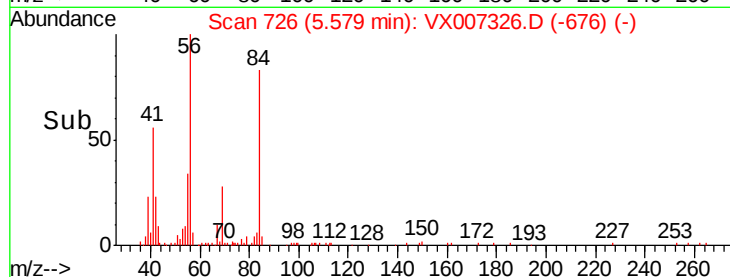
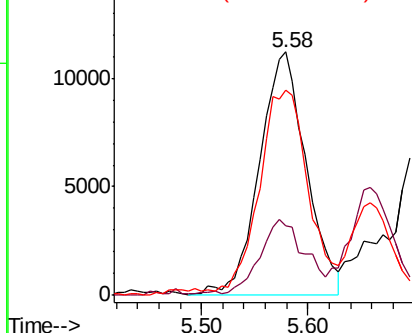
#31
Cyclohexane
Concen: 5.183 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX007326.D
Acq: 01 Feb 2019 10:03

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tgt Ion: 56 Resp: 34207
Ion Ratio Lower Upper
56 100
69 28.0 24.4 36.6
84 83.0 70.0 105.0

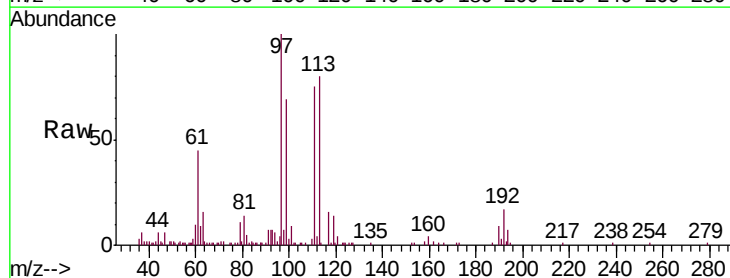


Abundance Ion 56.00 (55.70 to 56.70): VX0
15000 Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

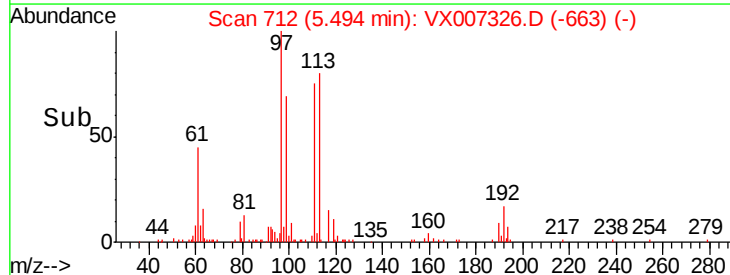
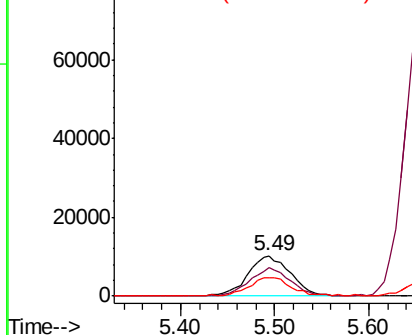


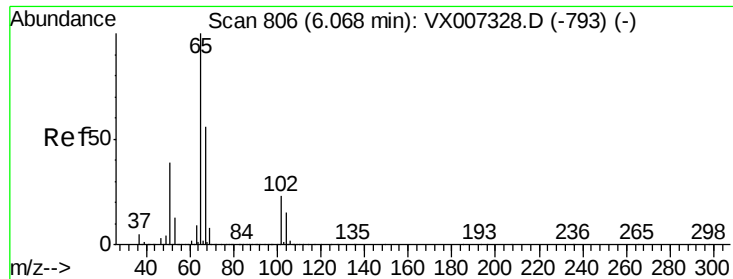
#32
1,1,1-Trichloroethane
Concen: 4.965 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX007326.D
Acq: 01 Feb 2019 10:03

Tgt Ion: 97 Resp: 32133
Ion Ratio Lower Upper
97 100
99 68.0 51.7 77.5
61 46.7 31.3 46.9



Abundance Ion 96.90 (96.60 to 97.60): VX0
80000 Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 5.631 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

ClientSampleId :

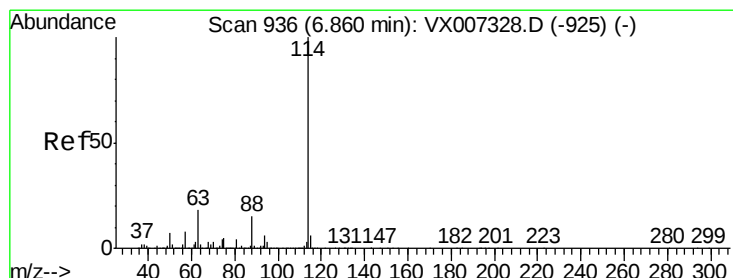
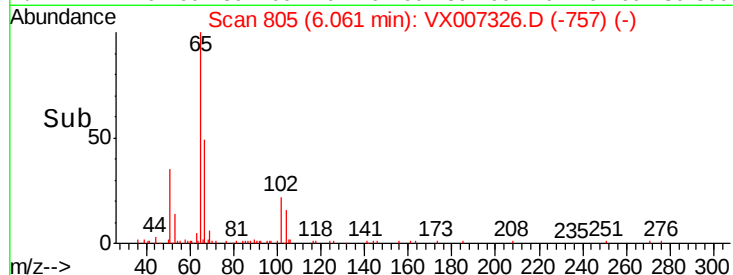
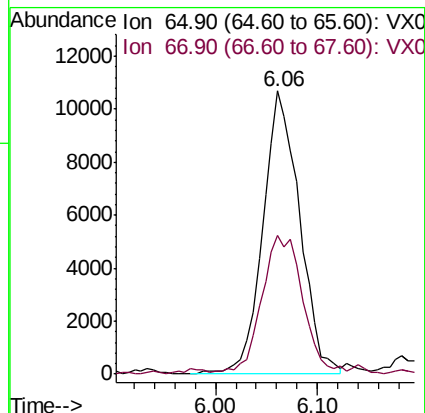
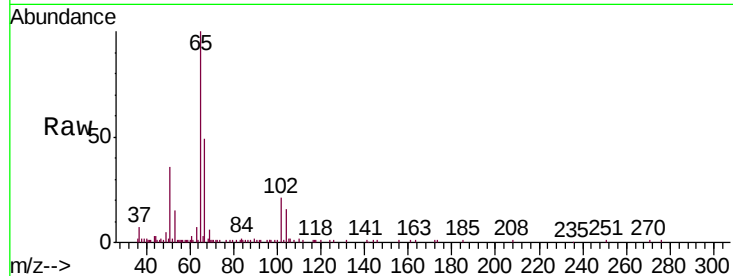
VSTDIC005

Tgt Ion: 65 Resp: 26725

Ion Ratio Lower Upper

65 100

67 54.0 0.0 105.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

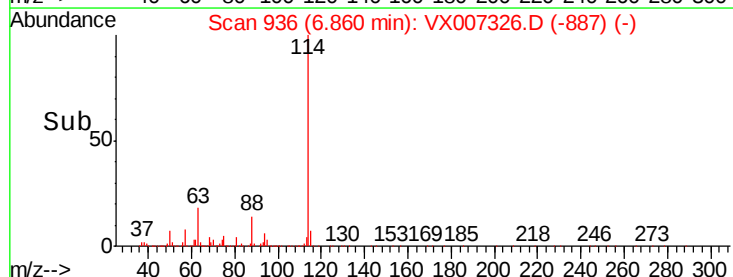
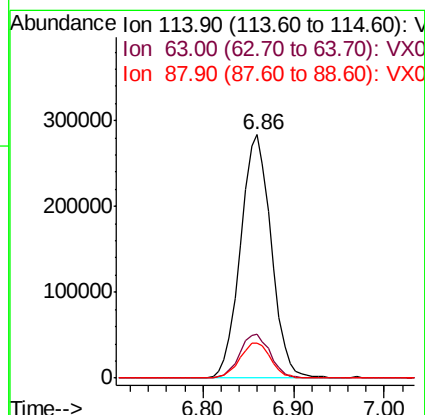
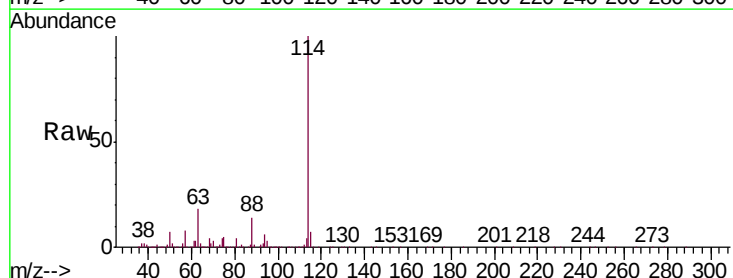
Tgt Ion: 114 Resp: 665730

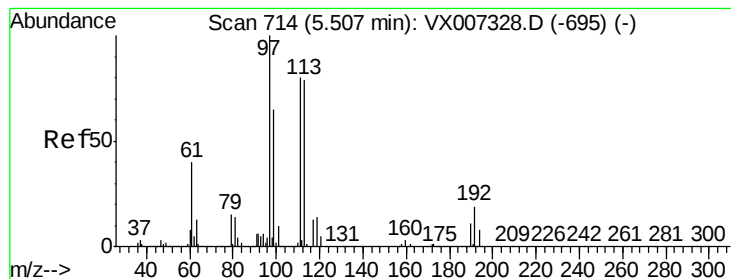
Ion Ratio Lower Upper

114 100

63 18.2 0.0 34.8

88 14.2 0.0 28.8





#35

Dibromofluoromethane

Concen: 5.254 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

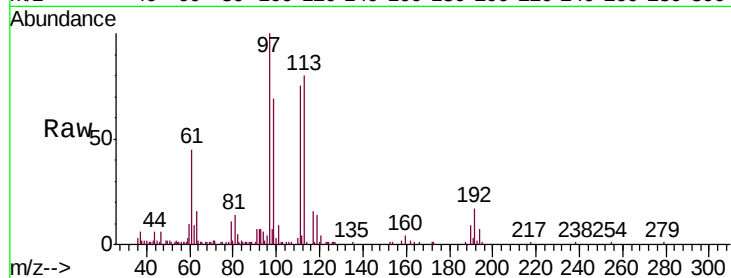
Tgt Ion: 113 Resp: 22758

Ion Ratio Lower Upper

113 100

111 101.1 81.6 122.4

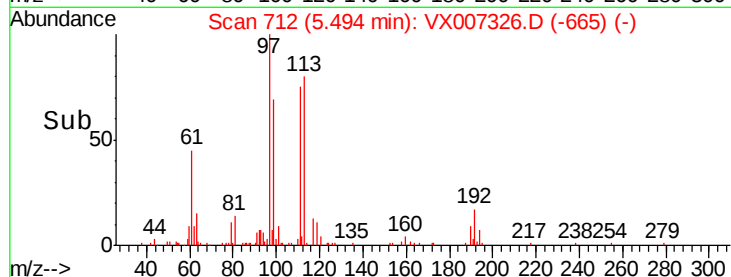
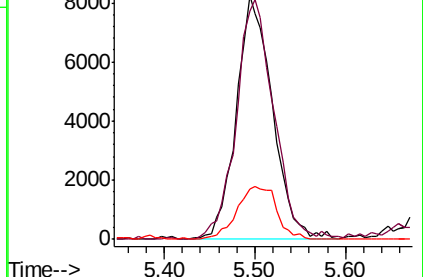
192 23.9 16.7 25.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.121 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

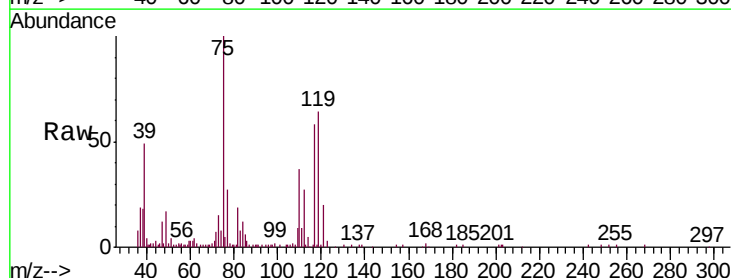
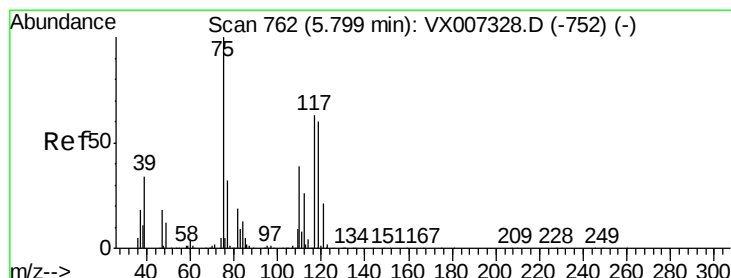
Tgt Ion: 75 Resp: 30591

Ion Ratio Lower Upper

75 100

110 39.7 20.2 60.5

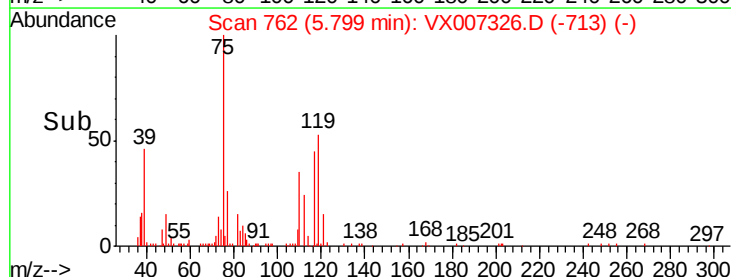
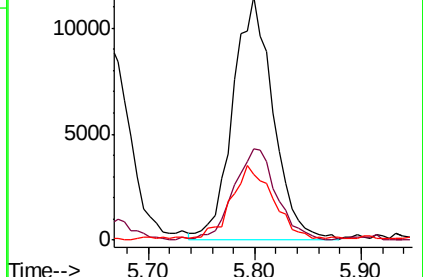
77 31.2 24.8 37.2

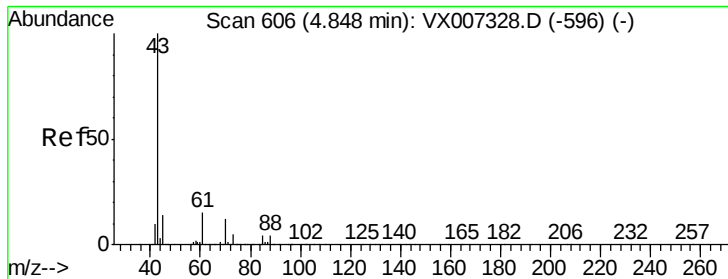


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

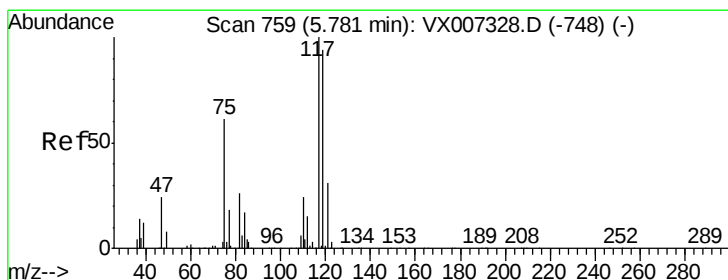
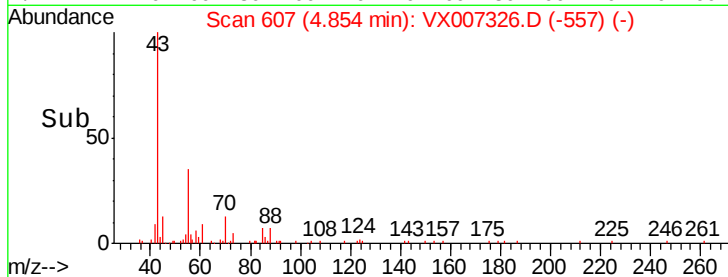
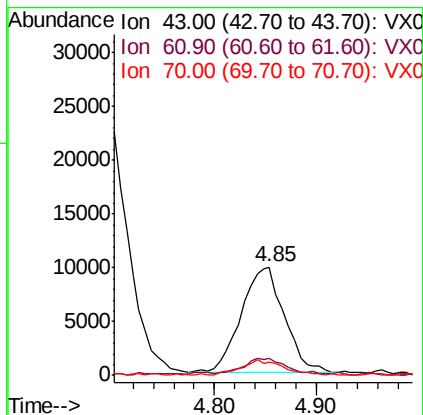
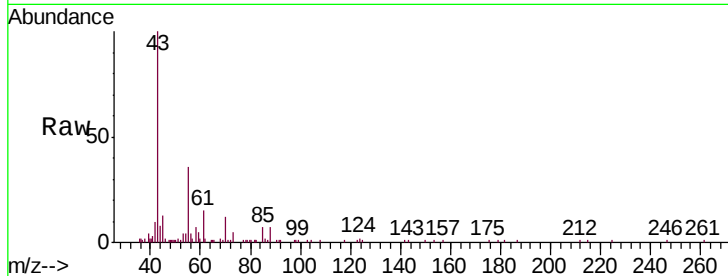




#37
Ethyl Acetate
Concen: 4.799 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX007326.D
Acq: 01 Feb 2019 10:03

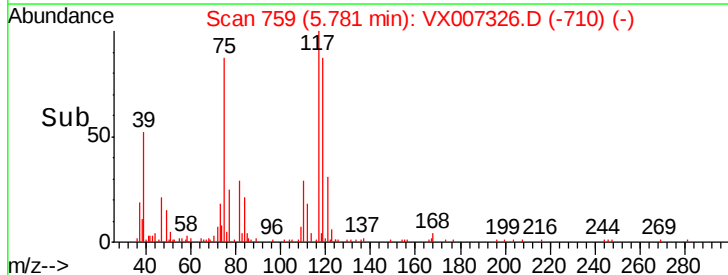
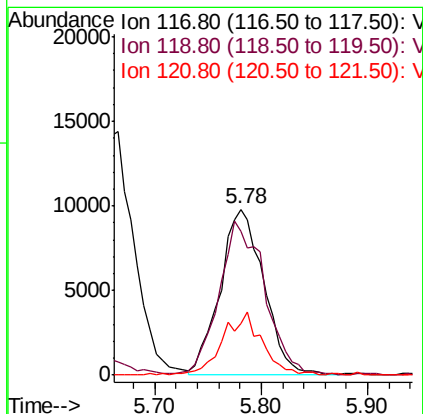
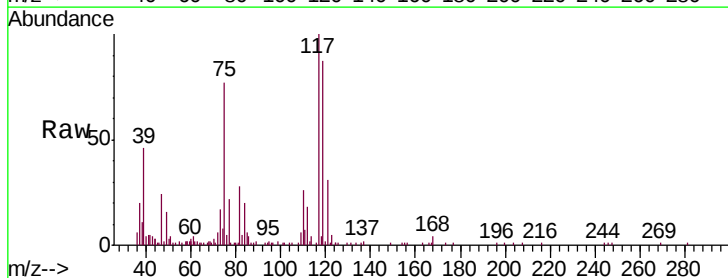
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 28975
Ion Ratio Lower Upper
43 100
61 15.9 11.9 17.9
70 14.5 9.7 14.5



#38
Carbon Tetrachloride
Concen: 4.798 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX007326.D
Acq: 01 Feb 2019 10:03

Tgt Ion: 117 Resp: 27805
Ion Ratio Lower Upper
117 100
119 87.0 79.4 119.2
121 30.2 24.0 36.0

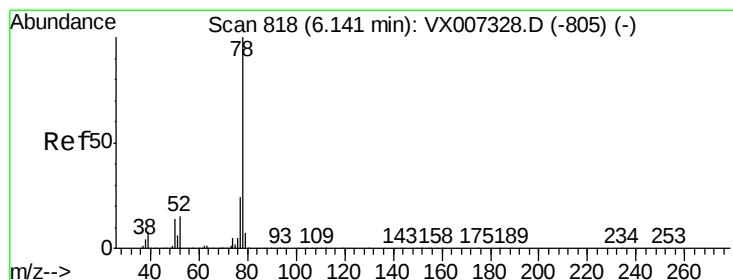
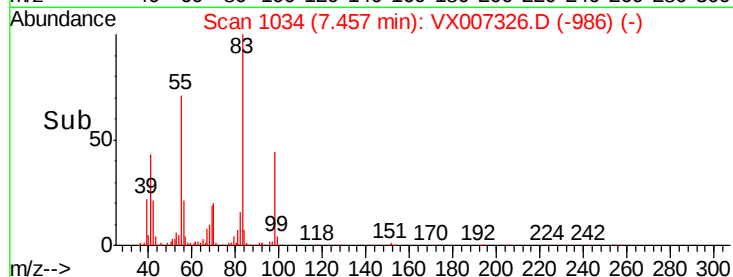
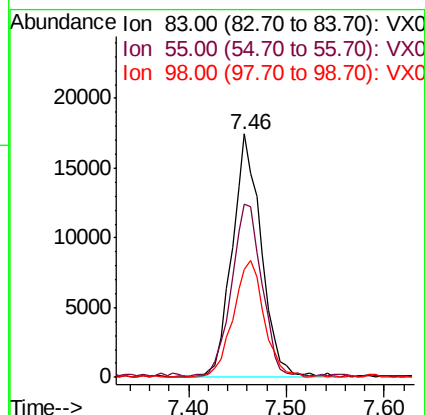
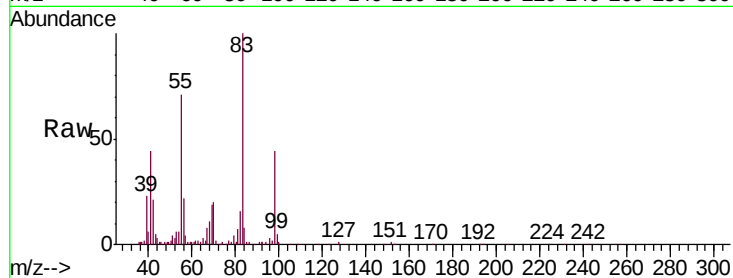




#39
Methylcyclohexane
Concen: 5.000 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007326.D
Acq: 01 Feb 2019 10:03

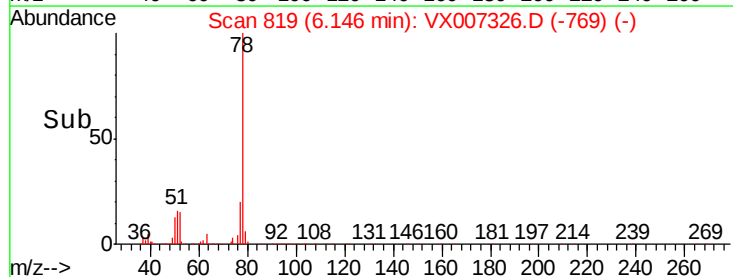
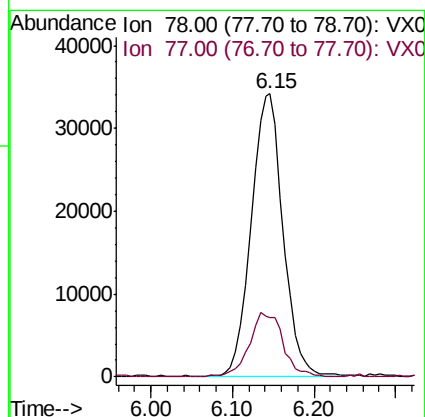
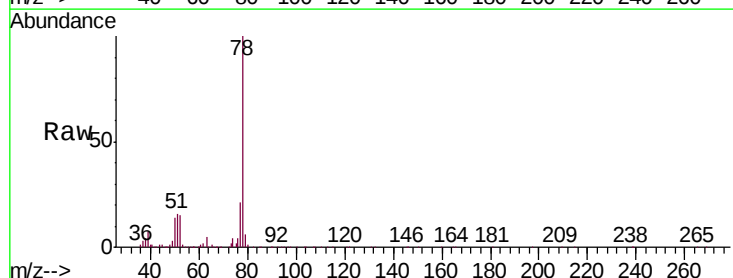
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
83	100		
55	70.6	54.9	82.3
98	44.4	37.9	56.9



#40
Benzene
Concen: 5.291 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX007326.D
Acq: 01 Feb 2019 10:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.9	19.2	28.8





#41

Methacrylonitrile

Concen: 4.841 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.01 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 41 Resp: 15974

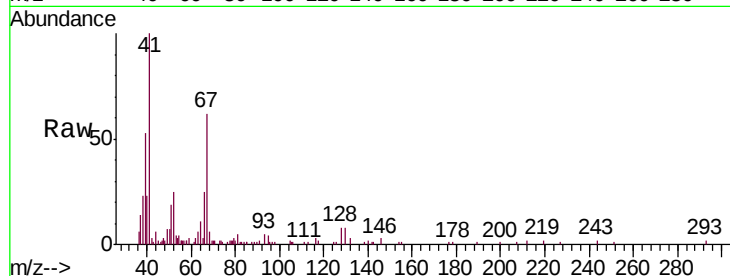
Ion Ratio Lower Upper

41 100

39 59.8 42.8 64.2

67 85.5 62.1 93.1

52 32.5 23.4 35.0

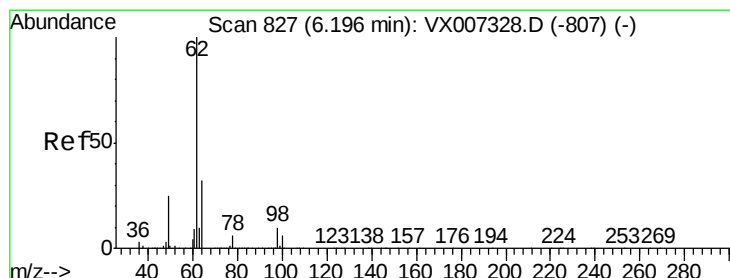
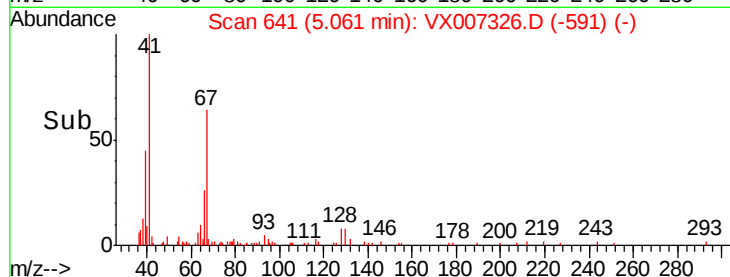
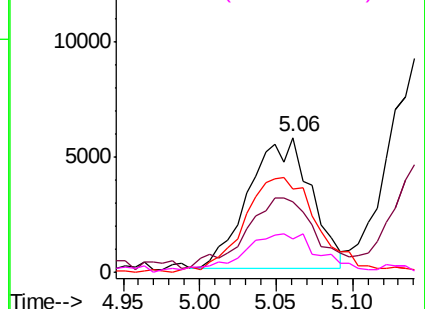


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 5.204 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

Lab File: VX007326.D

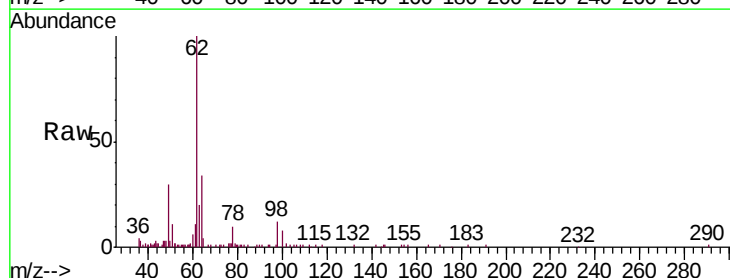
Acq: 01 Feb 2019 10:03

Tgt Ion: 62 Resp: 31682

Ion Ratio Lower Upper

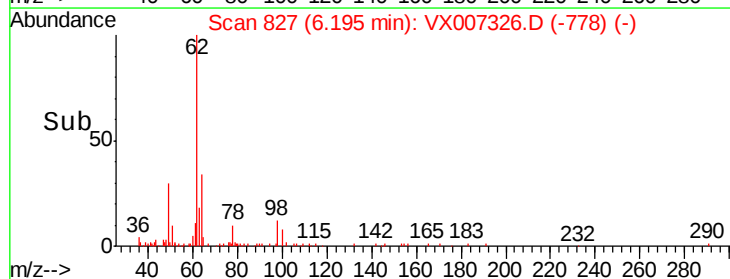
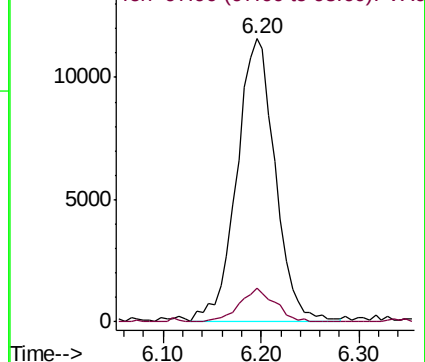
62 100

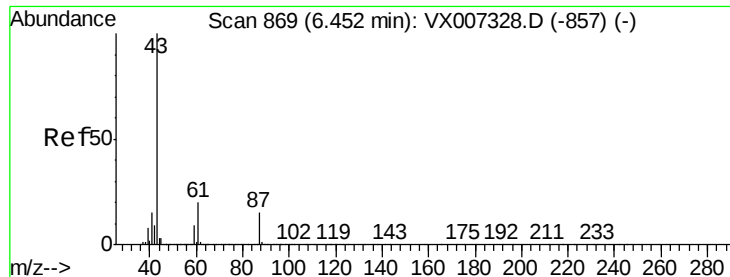
98 10.9 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 4.884 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.01 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

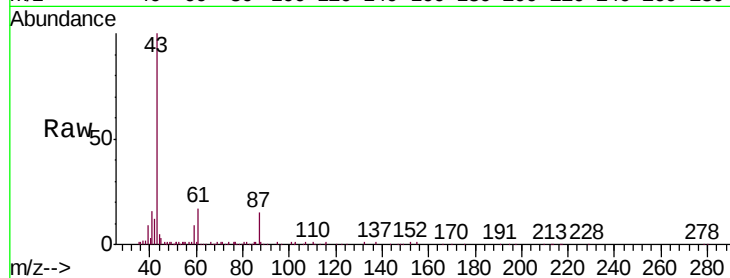
Tgt Ion: 43 Resp: 45517

Ion Ratio Lower Upper

43 100

61 21.3 16.8 25.2

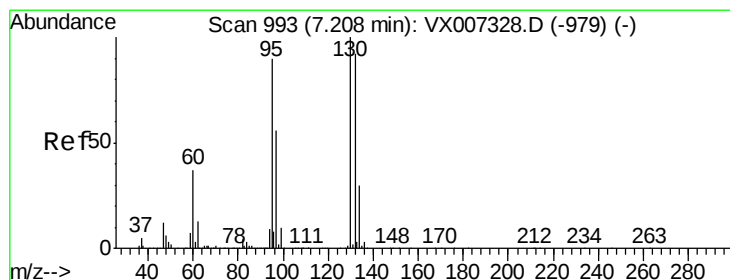
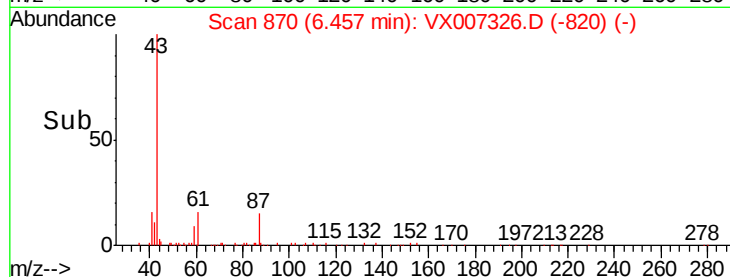
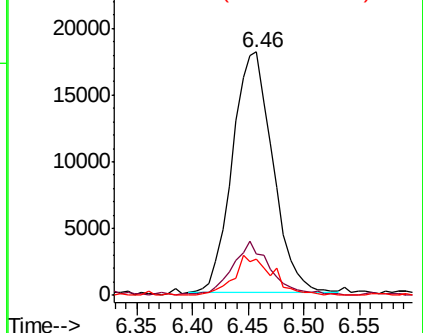
87 15.9 12.4 18.6



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: 5.146 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX007326.D

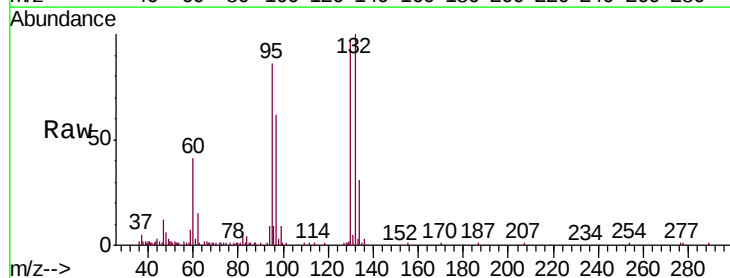
Acq: 01 Feb 2019 10:03

Tgt Ion: 130 Resp: 27268

Ion Ratio Lower Upper

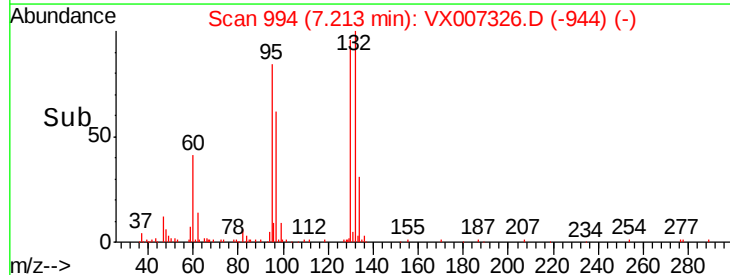
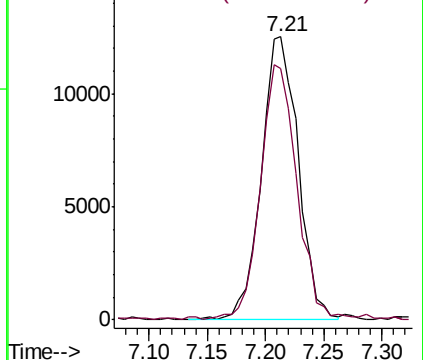
130 100

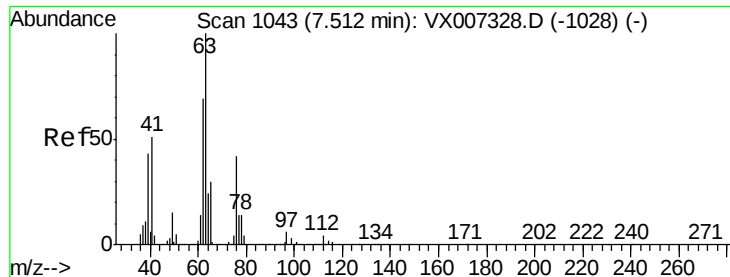
95 87.6 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 5.182 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

ClientSampleId :

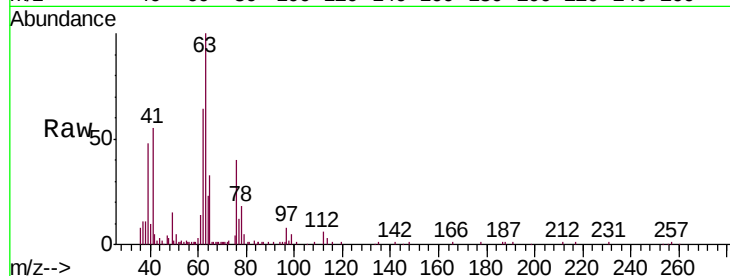
VSTDIC005

Tgt Ion: 63 Resp: 22844

Ion Ratio Lower Upper

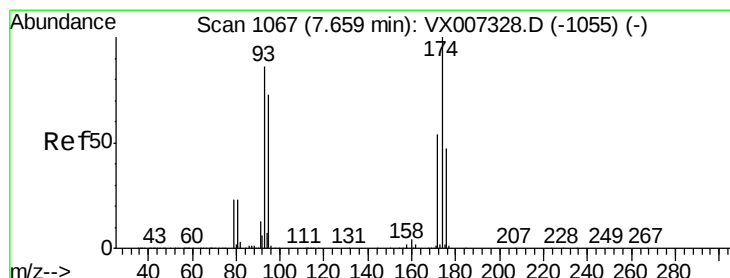
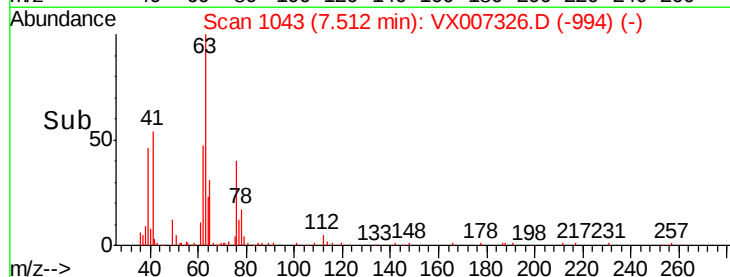
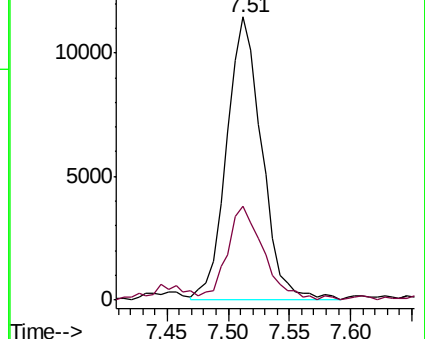
63 100

65 33.3 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 5.210 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

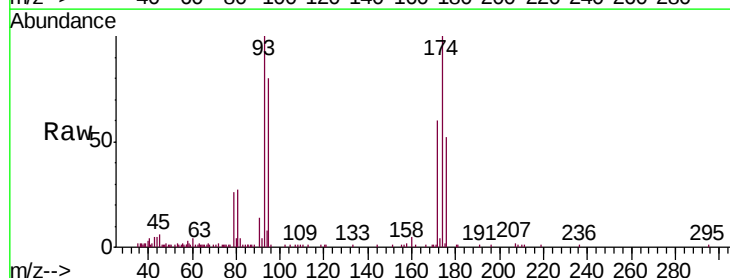
Tgt Ion: 93 Resp: 16694

Ion Ratio Lower Upper

93 100

95 82.9 66.2 99.4

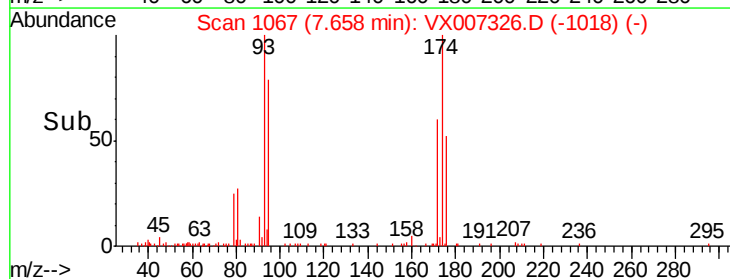
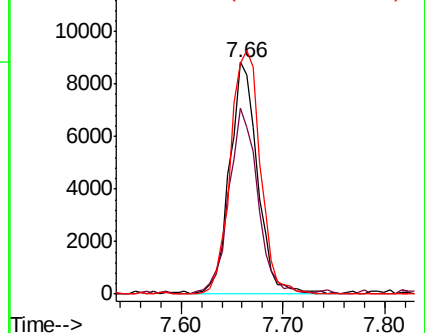
174 112.3 91.0 136.4

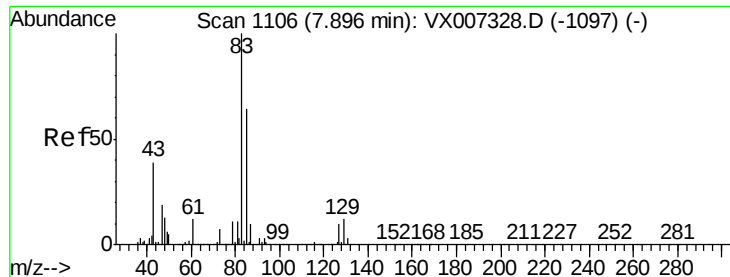


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 4.780 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

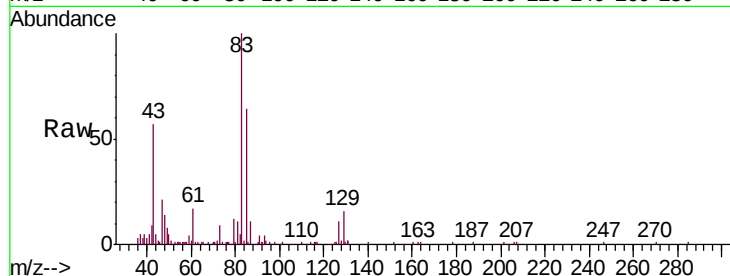
Tgt Ion: 83 Resp: 25958

Ion Ratio Lower Upper

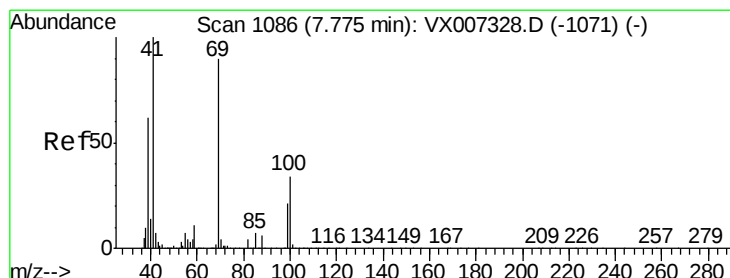
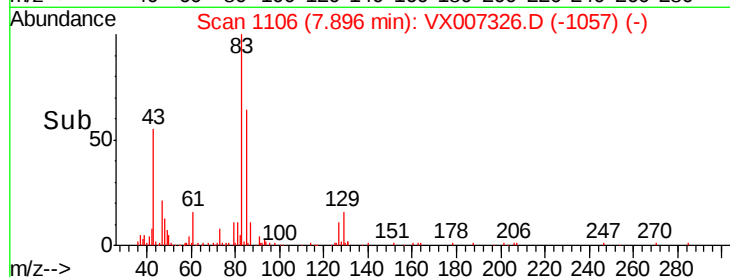
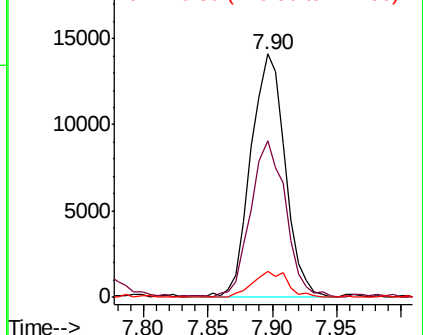
83 100

85 64.1 53.2 79.8

127 10.7 7.8 11.6



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: 5.155 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

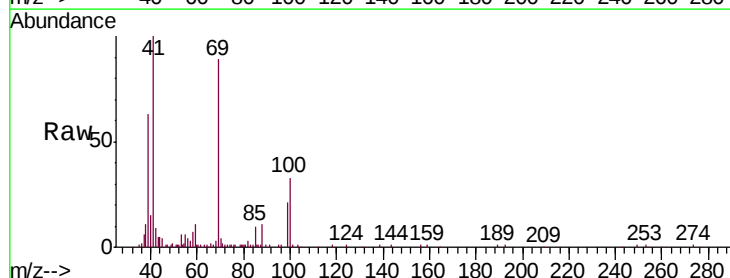
Tgt Ion: 41 Resp: 24032

Ion Ratio Lower Upper

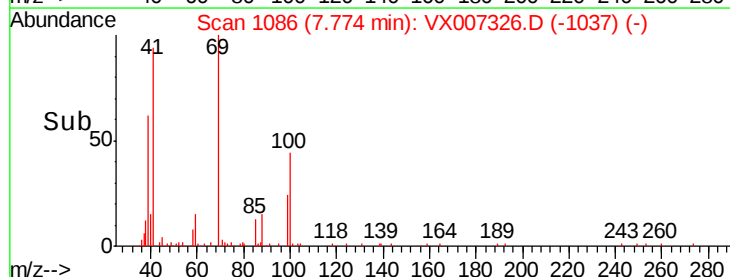
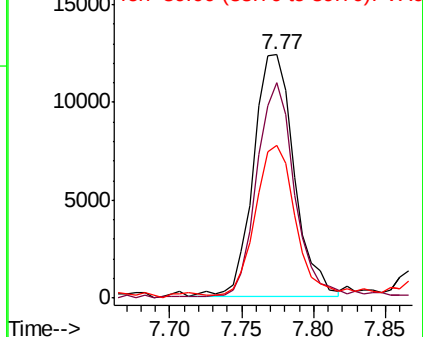
41 100

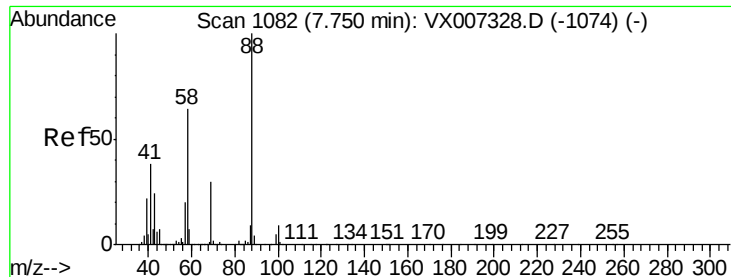
69 87.2 72.4 108.6

39 64.5 45.8 68.8



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





#49

1,4-Dioxane

Concen: 102.043 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

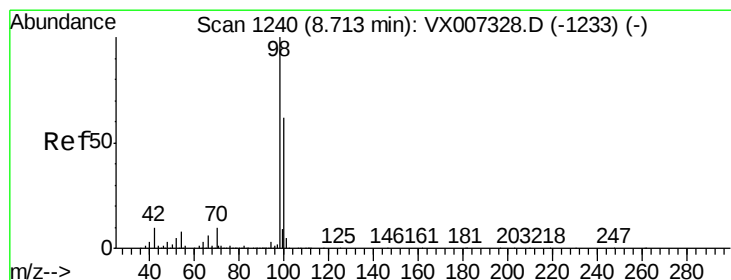
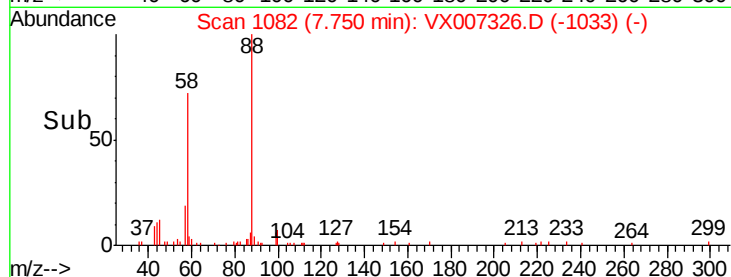
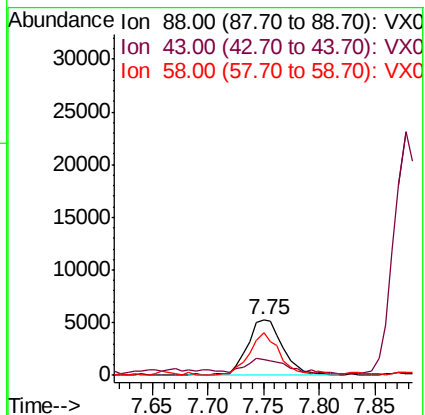
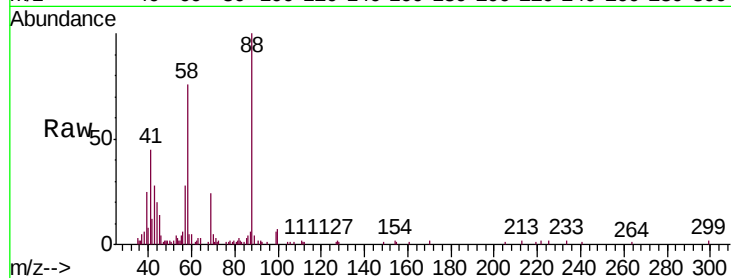
Tgt Ion: 88 Resp: 11839

Ion Ratio Lower Upper

88 100

43 31.1 22.2 33.4

58 64.5 51.0 76.4



#50

Toluene-d8

Concen: 4.965 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Tgt Ion: 98 Resp: 79791

Ion Ratio Lower Upper

98 100

100 65.3 52.0 78.0

