

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120418\
 Data File : VX006287.D
 Acq On : 04 Dec 2018 19:08
 Operator : JC/MD
 Sample : J6139-03MSD
 Misc : 5.93g/5mL/100ul/5.00ml/MSVOA_X/MEOH
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0483MSD

Quant Time: Dec 05 00:33:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	616398	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	925043	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	821299	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	468267	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	325650	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
35) Dibromofluoromethane	5.51	113	316588	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	
50) Toluene-d8	8.71	98	1099906	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
62) 4-Bromofluorobenzene	11.14	95	431063	52.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	275228	45.602	ug/l	100
3) Chloromethane	1.33	50	258044	41.605	ug/l	97
4) Vinyl Chloride	1.41	62	276390	41.406	ug/l	94
5) Bromomethane	1.64	94	91364	19.750	ug/l	99
6) Chloroethane	1.71	64	149572	36.545	ug/l	97
7) Trichlorofluoromethane	1.88	101	267621	26.118	ug/l	98
8) Diethyl Ether	2.20	74	182591	47.085	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.34	101	260559	44.721	ug/l	98
10) Methyl Iodide	2.48	142	162102	18.462	ug/l	100
11) Tert butyl alcohol	3.14	59	13349	7.757	ug/l #	73
12) 1,1-Dichloroethene	2.34	96	249844	44.795	ug/l	94
13) Acrolein	2.31	56	181434	192.903	ug/l	99
14) Allyl chloride	2.71	41	390783	35.468	ug/l	88
15) Acrylonitrile	3.18	53	790392	220.105	ug/l	99
16) Acetone	2.49	43	681169	230.670	ug/l	100
17) Carbon Disulfide	2.53	76	723564	42.100	ug/l	100
18) Methyl Acetate	2.80	43	479966	48.602	ug/l	100
19) Methyl tert-butyl Ether	3.23	73	905809	45.524	ug/l	98
20) Methylene Chloride	2.84	84	277747	44.194	ug/l	97
21) trans-1,2-Dichloroethene	3.14	96	273889	46.080	ug/l	94
22) Diisopropyl ether	3.90	45	792597	46.056	ug/l	94
23) Vinyl Acetate	3.83	43	2926359	199.367	ug/l	100
24) 1,1-Dichloroethane	3.68	63	474898	48.279	ug/l	98
25) 2-Butanone	4.74	43	919730	218.281	ug/l	98
26) 2,2-Dichloropropane	4.57	77	403505	44.449	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	349618	52.733	ug/l	97
28) Bromochloromethane	5.01	49	204903	47.690	ug/l	98
29) Tetrahydrofuran	5.18	42	628904	214.762	ug/l	98
30) Chloroform	5.21	83	480769	46.510	ug/l	97
31) Cyclohexane	5.56	56	392338	43.159	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	442891	45.031	ug/l	99
36) 1,1-Dichloropropene	5.79	75	348641	44.756	ug/l	99
37) Ethyl Acetate	4.88	43	394303	45.200	ug/l	99
38) Carbon Tetrachloride	5.77	117	408961	44.627	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	440639	43.578	ug/l	99
40) Benzene	6.13	78	1066985	45.732	ug/l	98
41) Methacrylonitrile	5.09	41	197631	41.172	ug/l	96
42) 1,2-Dichloroethane	6.20	62	354055	46.367	ug/l	99
43) Isopropyl Acetate	6.48	43	628326	43.200	ug/l	100
44) Trichloroethene	7.21	130	352879	49.926	ug/l	93
45) 1,2-Dichloropropane	7.51	63	262506	44.270	ug/l	97
46) Dibromomethane	7.66	93	194574	45.435	ug/l	99
47) Bromodichloromethane	7.90	83	375409	45.267	ug/l	99
48) Methyl methacrylate	7.78	41	307003	43.388	ug/l	98
49) 1,4-Dioxane	7.80	88	155240	890.167	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	1873039	221.213	ug/l	98
52) Toluene	8.78	92	679659	44.279	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	425162	43.836	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	449502	44.632	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	291441	46.736	ug/l	99
56) Ethyl methacrylate	9.19	69	437907	44.920	ug/l	98
57) 1,3-Dichloropropane	9.37	76	449603	45.595	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1188656	240.281	ug/l	99
59) 2-Hexanone	9.51	43	1456618	225.172	ug/l	100
60) Dibromochloromethane	9.59	129	342970	44.603	ug/l	100
61) 1,2-Dibromoethane	9.68	107	313930	45.023	ug/l	99
64) Tetrachloroethene	9.34	164	276172	44.651	ug/l	99
65) Chlorobenzene	10.14	112	803964	46.114	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	314834	46.478	ug/l	99
67) Ethyl Benzene	10.25	91	1312695	45.270	ug/l	99
68) m/p-Xylenes	10.36	106	1045452	90.007	ug/l	99
69) o-Xylene	10.70	106	526349	45.877	ug/l	100
70) Styrene	10.71	104	863497	46.534	ug/l	99
71) Bromoform	10.87	173	287502	44.961	ug/l	99
73) Isopropylbenzene	11.02	105	1379044	42.645	ug/l	100
74) N-amyl acetate	10.90	43	593622	42.629	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	470044	45.434	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	548916	60.732	ug/l	88
77) Bromobenzene	11.26	156	387701	43.201	ug/l	99
78) n-propylbenzene	11.36	91	1555807	43.281	ug/l	100
79) 2-Chlorotoluene	11.42	91	927558	43.414	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1162947	43.222	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	157541	40.904	ug/l	93
82) 4-Chlorotoluene	11.51	91	1088845	43.833	ug/l	99
83) tert-Butylbenzene	11.77	119	1247607	43.459	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	1199538	43.175	ug/l	99
85) sec-Butylbenzene	11.94	105	1428843	43.750	ug/l	99
86) p-Isopropyltoluene	12.07	119	1314451	44.696	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	721201	45.164	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	734145	45.296	ug/l	100
89) n-Butylbenzene	12.39	91	1135036	45.234	ug/l	100
90) Hexachloroethane	12.60	117	259648	43.320	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	733319	46.271	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	112937	42.585	ug/l	97

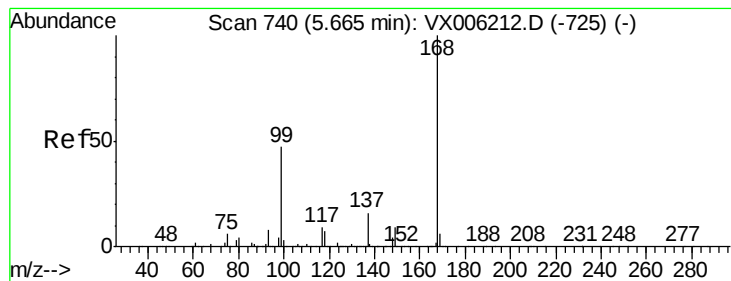
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX120418\
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Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	560740	48.497	ug/l	99
94) Hexachlorobutadiene	13.79	225	249847	48.862	ug/l	98
95) Naphthalene	13.83	128	1744878	48.515	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	565116	49.346	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

Instrument :

MSVOA_X

ClientSampleId :

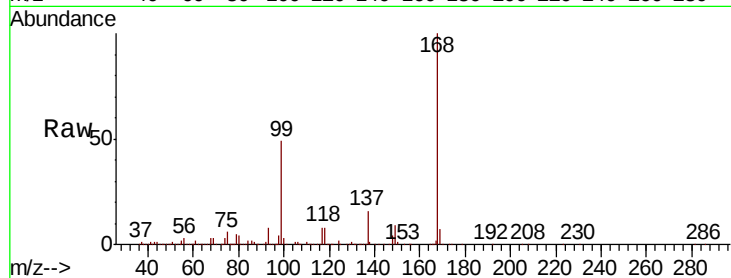
S49-0483MSD

Tot Ion:168 Resp: 616398

Ion Ratio Lower Upper

168 100

99 48.4 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

250000

200000

150000

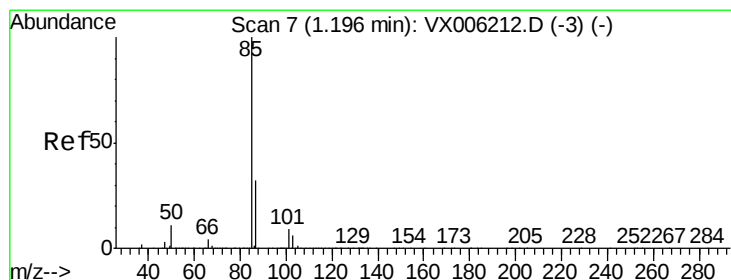
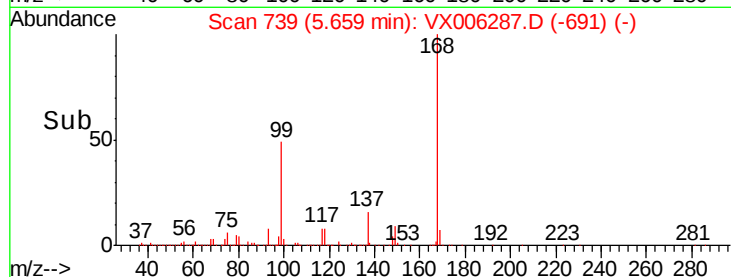
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50000

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Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 45.602 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006287.D

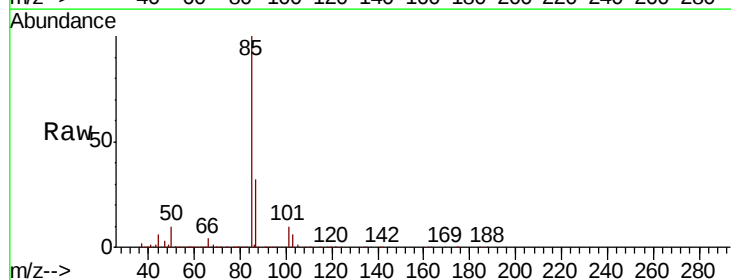
Acq: 04 Dec 2018 19:08

Tgt Ion: 85 Resp: 275228

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

150000

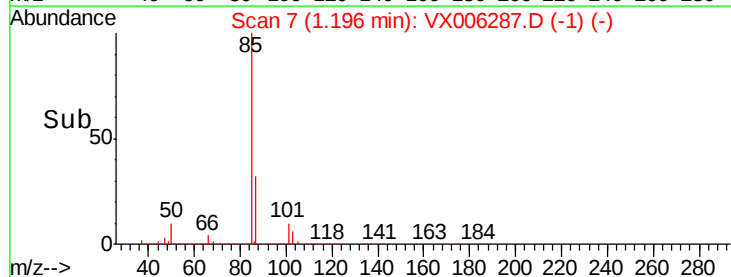
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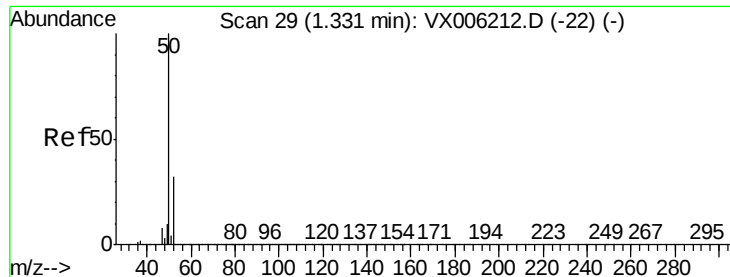
50000

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Time-->

1.10 1.20 1.30





#3

Chloromethane

Concen: 41.605 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

Instrument :

MSVOA_X

ClientSampleId :

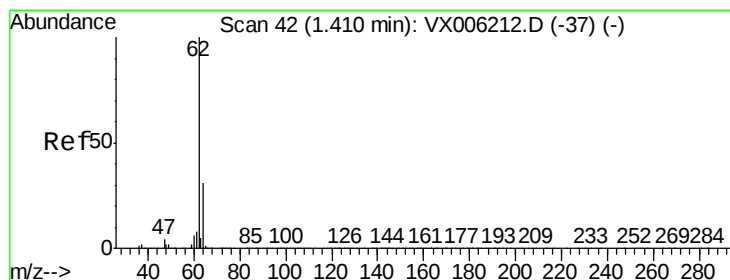
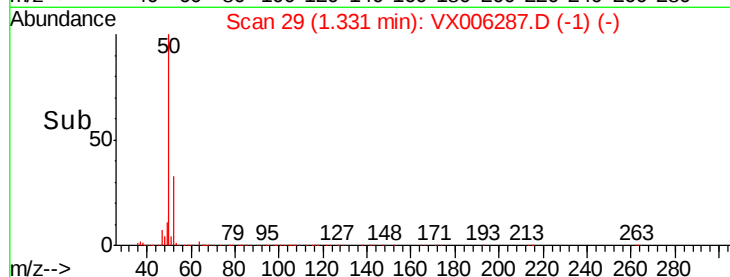
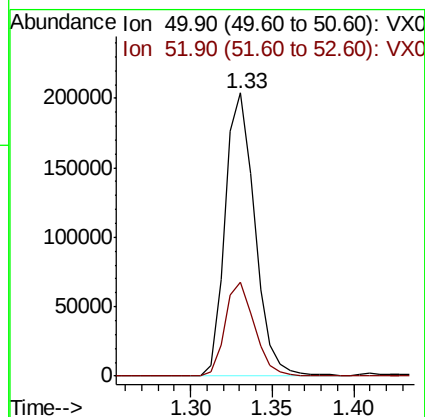
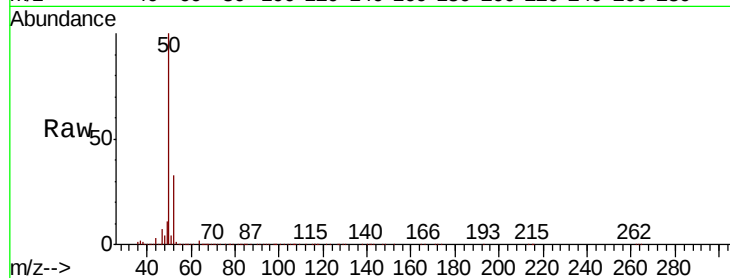
S49-0483MSD

Tot Ion: 50 Resp: 258044

Ion Ratio Lower Upper

50 100

52 33.3 25.2 37.8



#4

Vinyl Chloride

Concen: 41.406 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006287.D

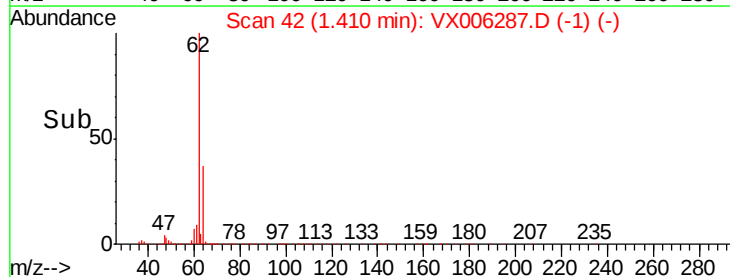
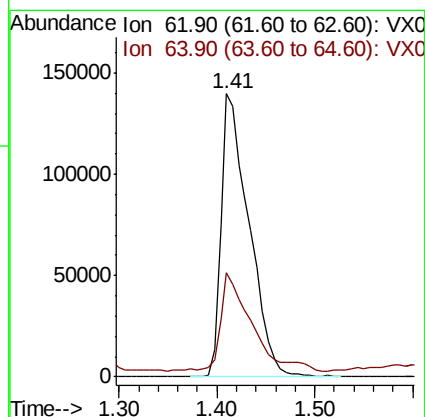
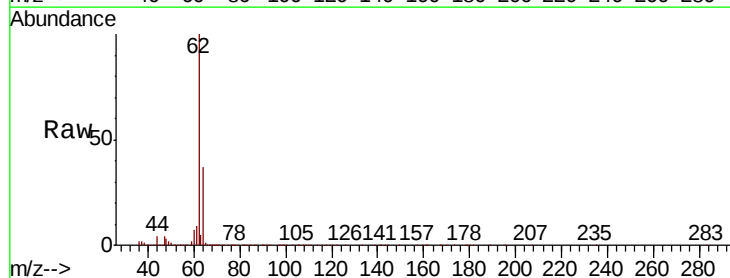
Acq: 04 Dec 2018 19:08

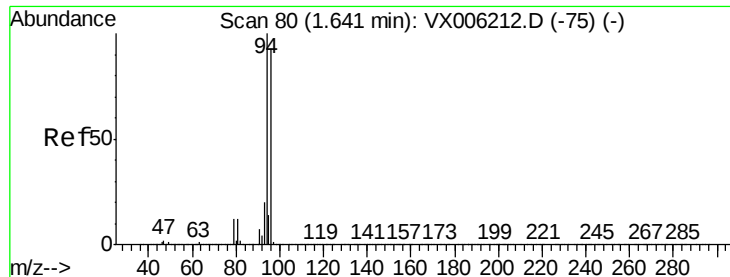
Tgt Ion: 62 Resp: 276390

Ion Ratio Lower Upper

62 100

64 34.6 24.9 37.3





#5

Bromomethane

Concen: 19.750 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

Instrument :

MSVOA_X

ClientSampleId :

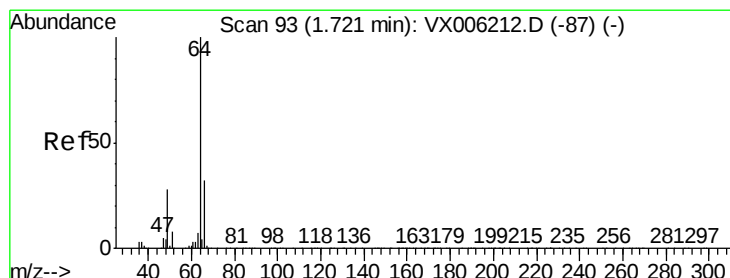
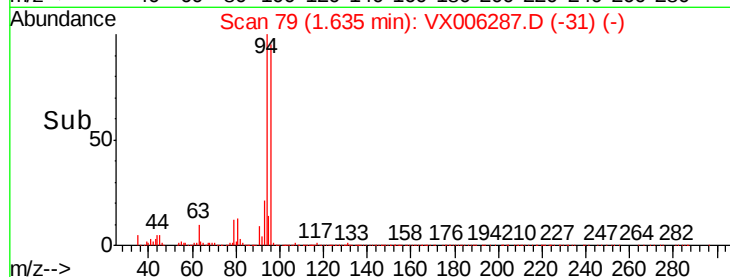
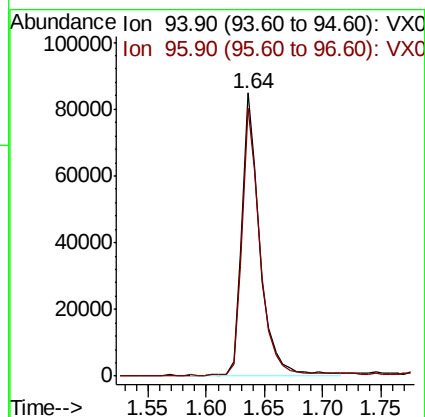
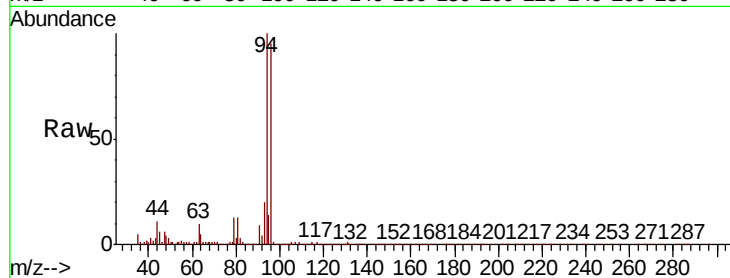
S49-0483MSD

Tot Ion: 94 Resp: 91364

Ion Ratio Lower Upper

94 100

96 94.5 74.5 111.7



#6

Chloroethane

Concen: 36.545 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX006287.D

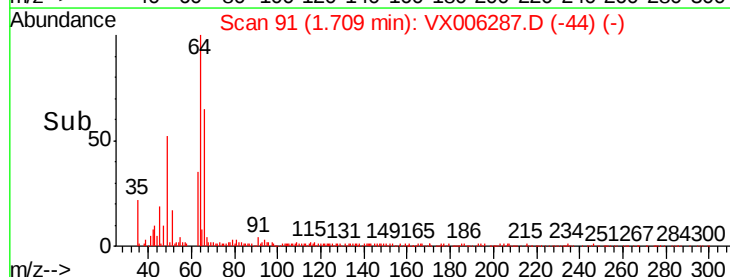
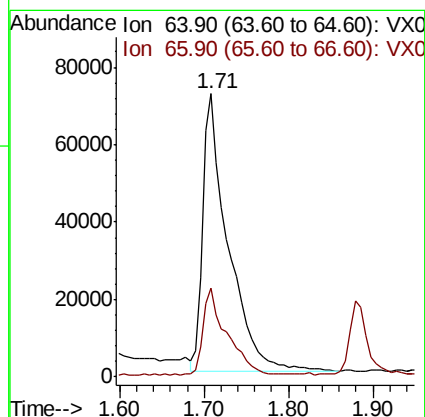
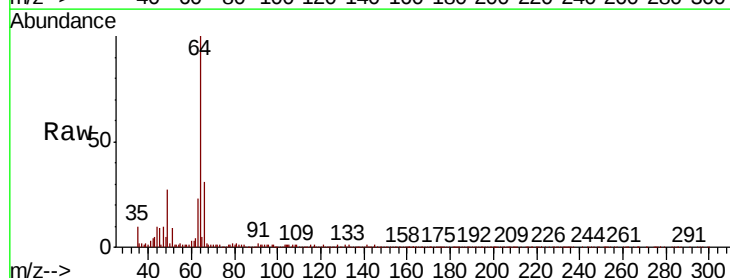
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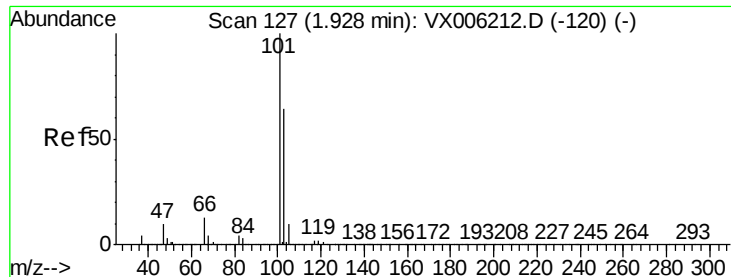
Tgt Ion: 64 Resp: 149572

Ion Ratio Lower Upper

64 100

66 30.8 25.9 38.9



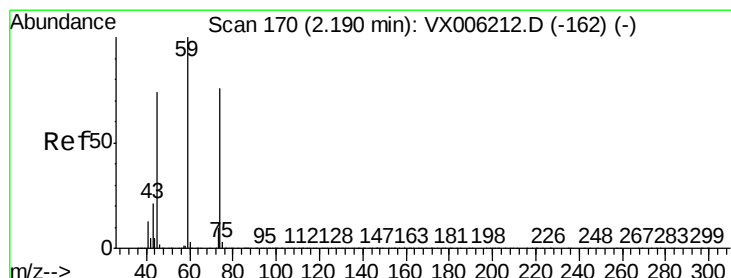
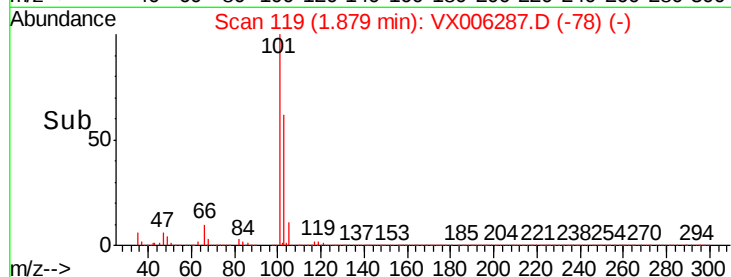
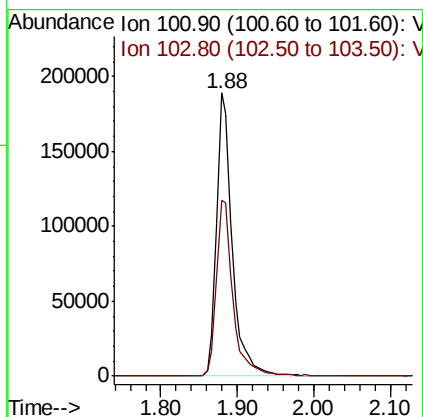
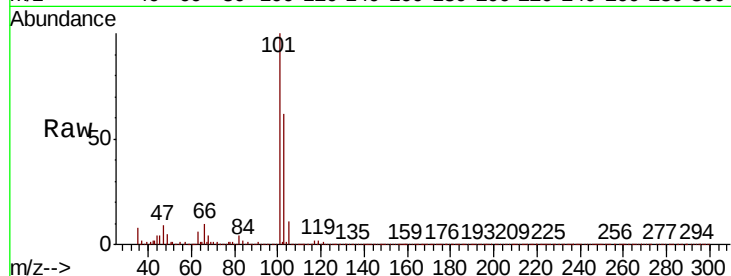


#7

Trichlorofluoromethane
Concen: 26.118 ug/l
RT: 1.88 min Scan# 119
Delta R.T. -0.05 min
Lab File: VX006287.D
Acq: 04 Dec 2018 19:08

Instrument :
MSVOA_X
ClientSampleId :
S49-0483MSD

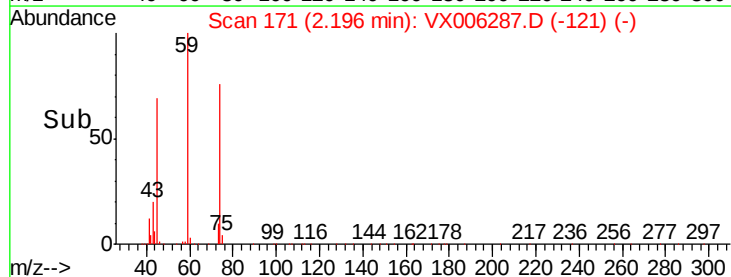
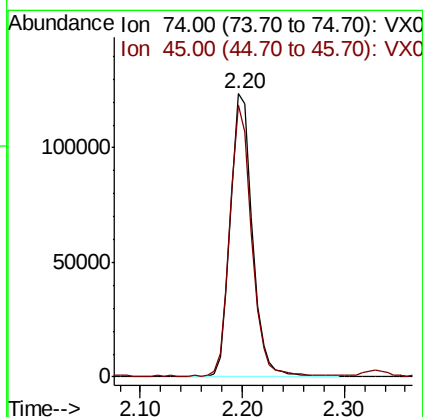
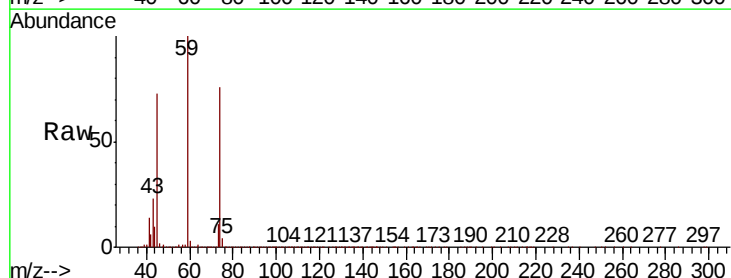
Tot Ion:101 Resp: 267621
Ion Ratio Lower Upper
101 100
103 61.8 51.0 76.4

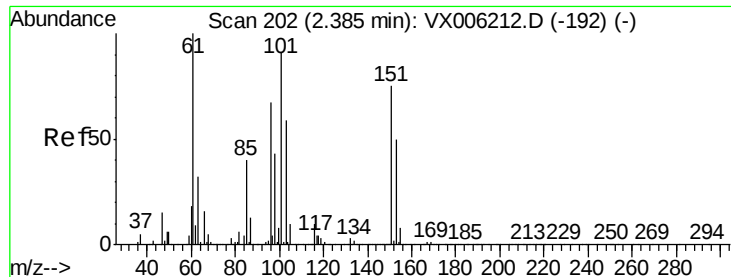


#8

Diethyl Ether
Concen: 47.085 ug/l
RT: 2.20 min Scan# 171
Delta R.T. 0.01 min
Lab File: VX006287.D
Acq: 04 Dec 2018 19:08

Tgt Ion: 74 Resp: 182591
Ion Ratio Lower Upper
74 100
45 94.6 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.721 ug/l

RT: 2.34 min Scan# 194

Delta R.T. -0.05 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

Instrument :

MSVOA_X

ClientSampleId :

S49-0483MSD

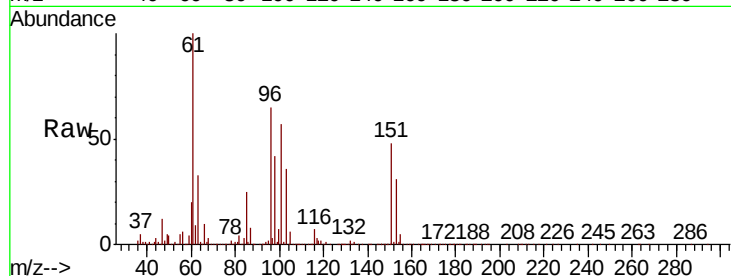
Tot Ion:101 Resp: 260559

Ion Ratio Lower Upper

101 100

85 43.3 35.5 53.3

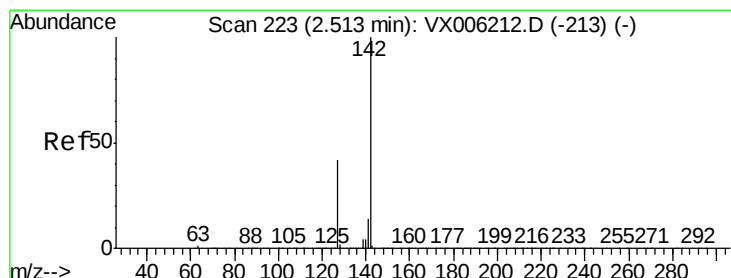
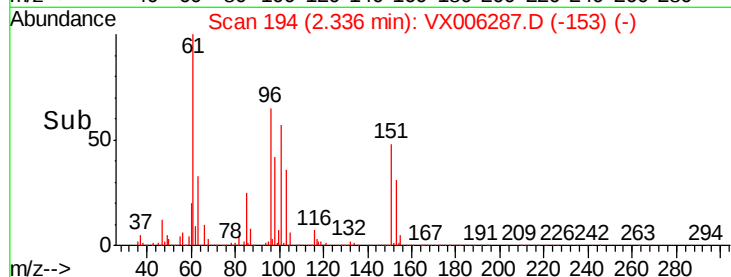
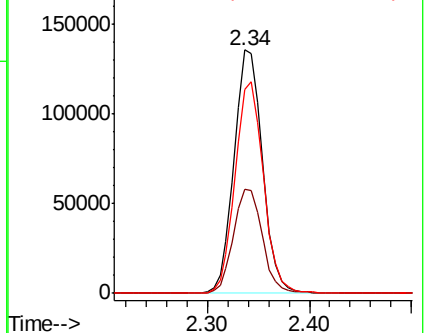
151 87.2 68.6 103.0



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: 18.462 ug/l

RT: 2.48 min Scan# 217

Delta R.T. -0.04 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

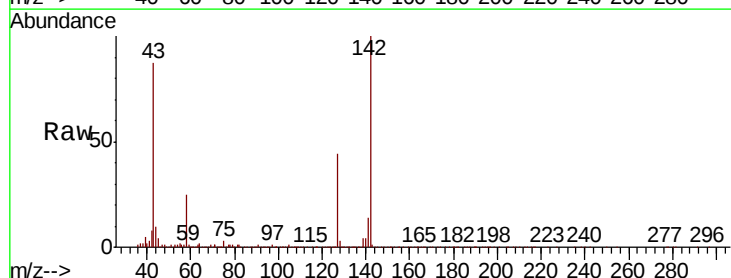
Tgt Ion:142 Resp: 162102

Ion Ratio Lower Upper

142 100

127 43.5 34.8 52.2

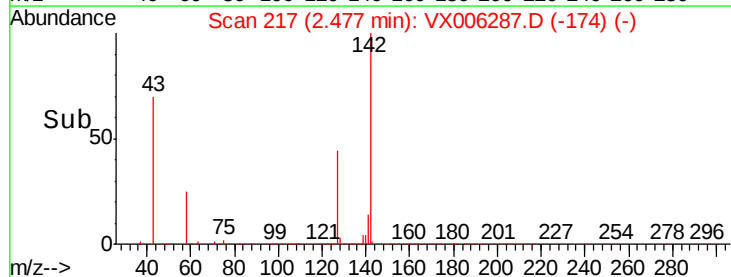
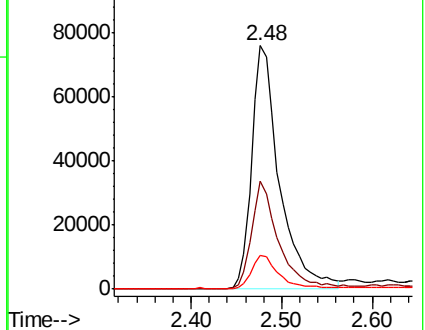
141 13.8 11.4 17.2

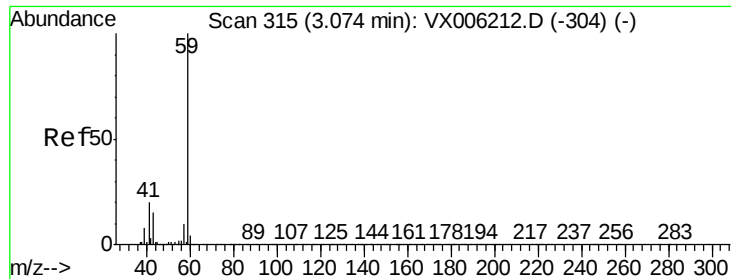


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



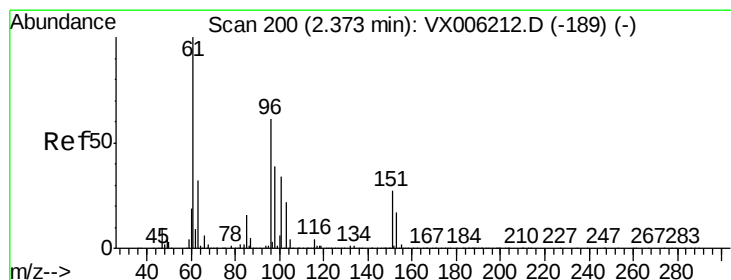
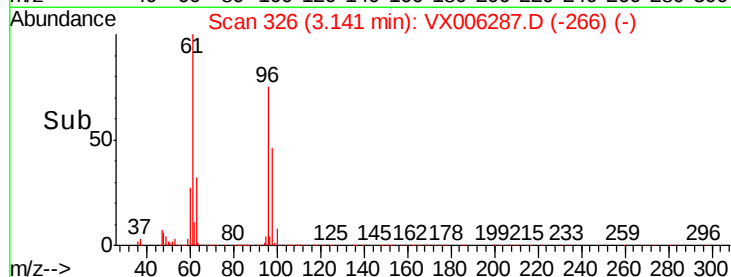
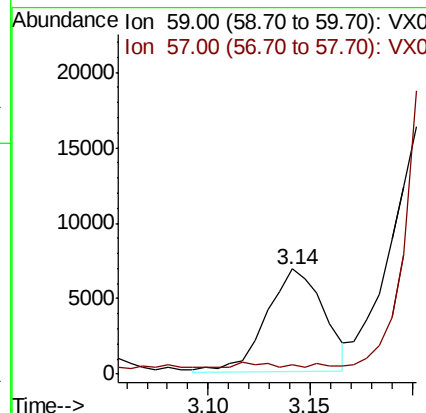
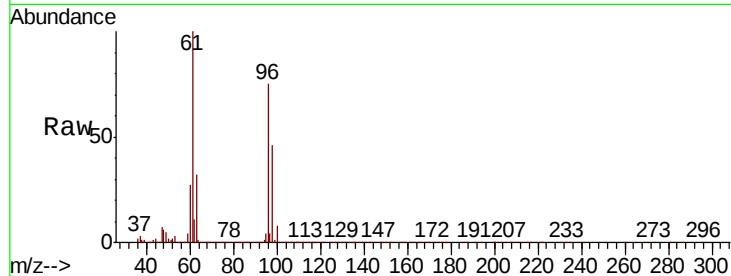


#11

Tert butvl alcohol
Concen: 7.757 ug/l
RT: 3.14 min Scan# 326
Delta R.T. 0.07 min
Lab File: VX006287.D
Acq: 04 Dec 2018 19:08

Instrument :
MSVOA_X
ClientSampled :
S49-0483MSD

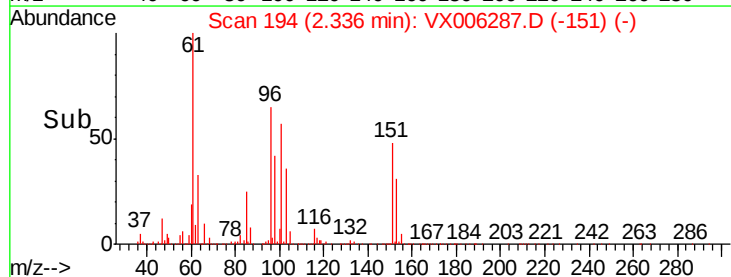
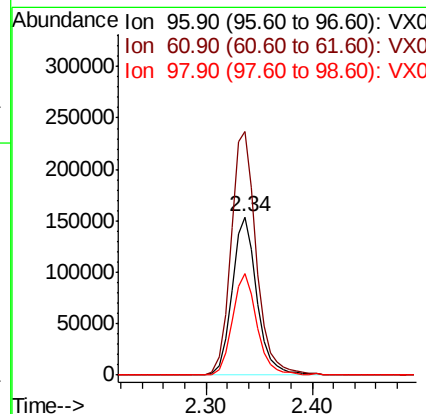
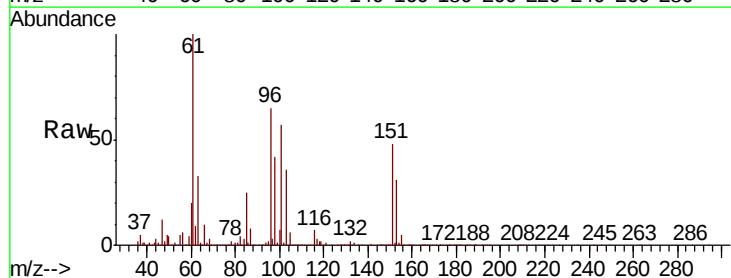
Tot Ion: 59 Resp: 13349
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

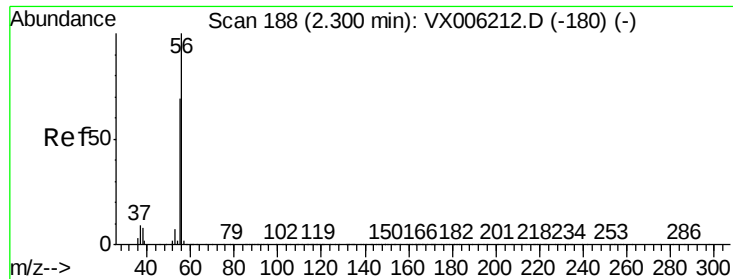


#12

1,1-Dichloroethene
Concen: 44.795 ug/l
RT: 2.34 min Scan# 194
Delta R.T. -0.04 min
Lab File: VX006287.D
Acq: 04 Dec 2018 19:08

Tgt Ion: 96 Resp: 249844
Ion Ratio Lower Upper
96 100
61 154.1 131.7 197.5
98 64.2 51.8 77.6





#13

Acrolein

Concen: 192.903 ug/l

RT: 2.31 min Scan# 190

Delta R.T. 0.01 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

Instrument :

MSVOA_X

ClientSampleId :

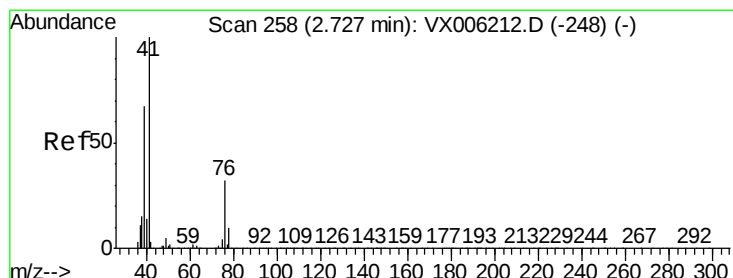
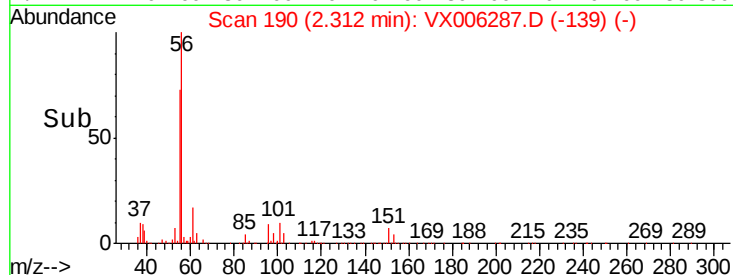
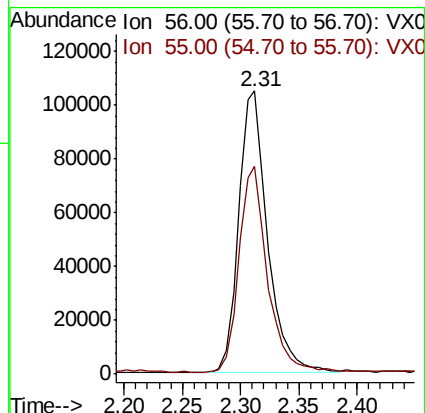
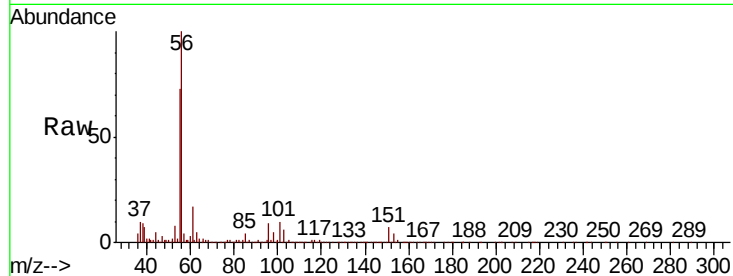
S49-0483MSD

Tot Ion: 56 Resp: 181434

Ion Ratio Lower Upper

56 100

55 71.6 57.8 86.6



#14

Allyl chloride

Concen: 35.468 ug/l

RT: 2.71 min Scan# 255

Delta R.T. -0.02 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

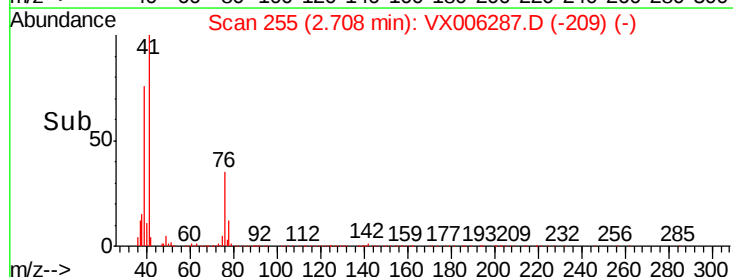
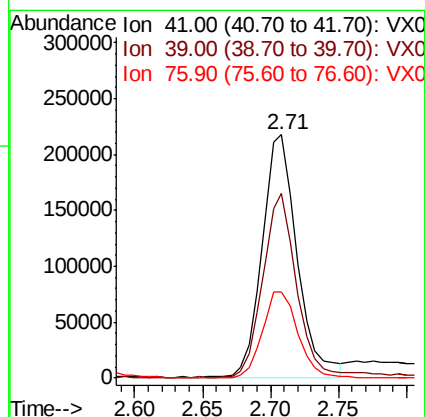
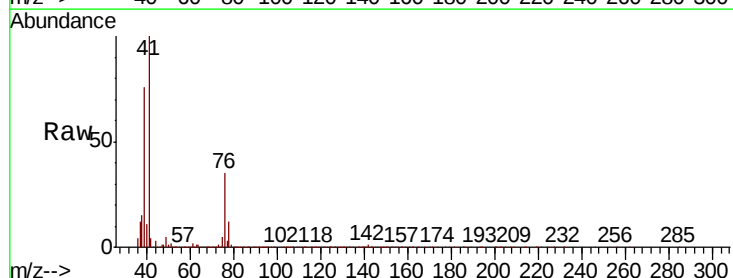
Tgt Ion: 41 Resp: 390783

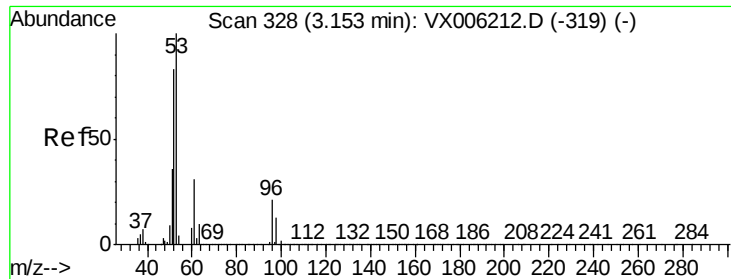
Ion Ratio Lower Upper

41 100

39 76.3 52.4 78.6

76 35.9 25.4 38.0





#15

Acrylonitrile

Concen: 220.105 ug/l

RT: 3.18 min Scan# 332

Delta R.T. 0.02 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

Instrument :

MSVOA_X

ClientSampleId :

S49-0483MSD

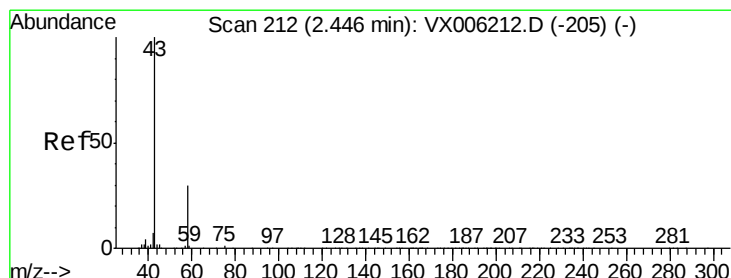
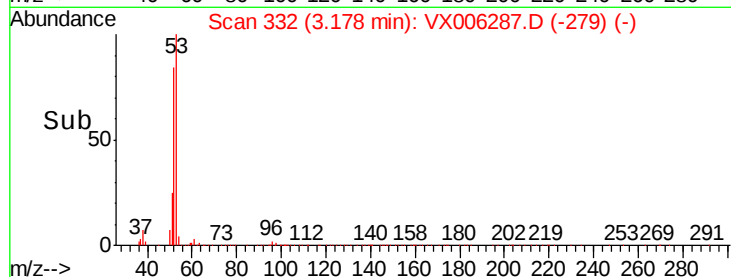
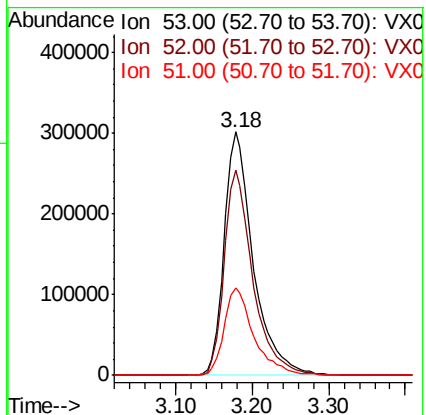
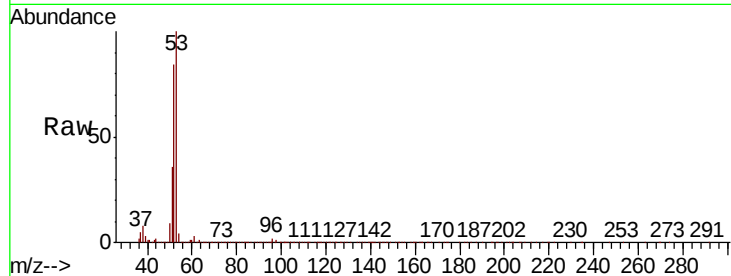
Tot Ion: 53 Resp: 790392

Ion Ratio Lower Upper

53 100

52 83.0 66.2 99.4

51 36.9 28.7 43.1



#16

Acetone

Concen: 230.670 ug/l

RT: 2.49 min Scan# 220

Delta R.T. 0.05 min

Lab File: VX006287.D

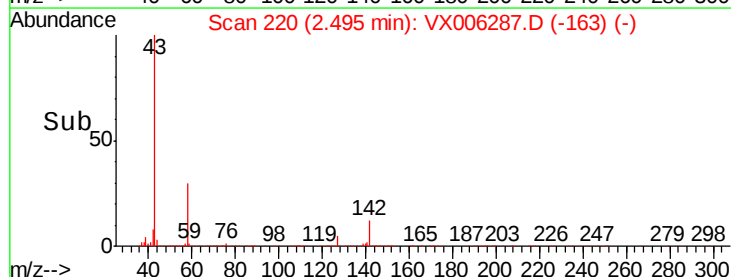
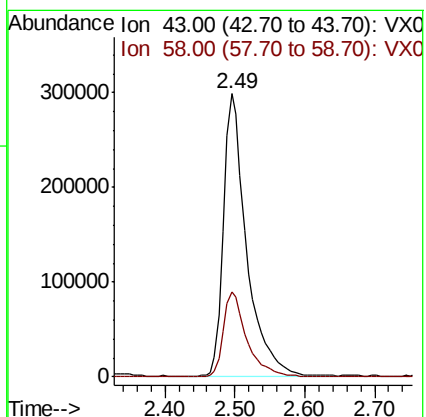
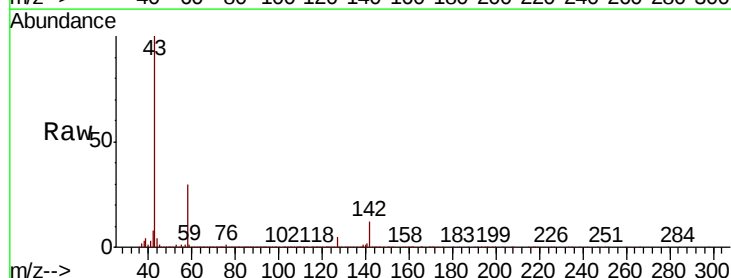
Acq: 04 Dec 2018 19:08

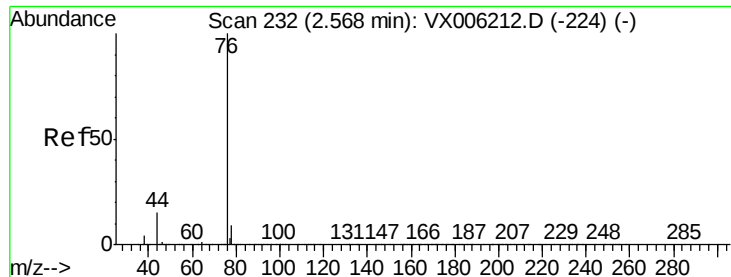
Tgt Ion: 43 Resp: 681169

Ion Ratio Lower Upper

43 100

58 30.2 24.0 36.0





#17

Carbon Disulfide

Concen: 42.100 ug/l

RT: 2.53 min Scan# 225

Delta R.T. -0.04 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

Instrument :

MSVOA_X

ClientSampleId :

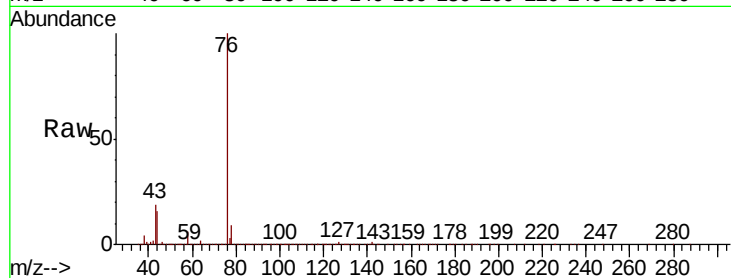
S49-0483MSD

Tot Ion: 76 Resp: 723564

Ion Ratio Lower Upper

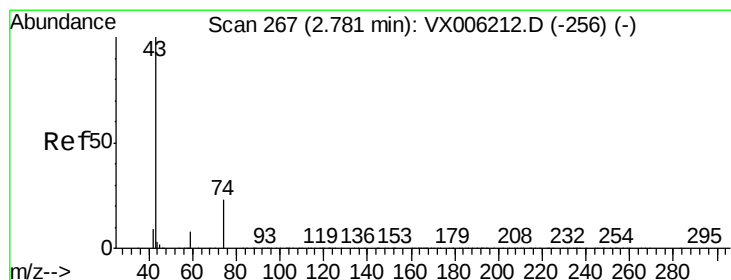
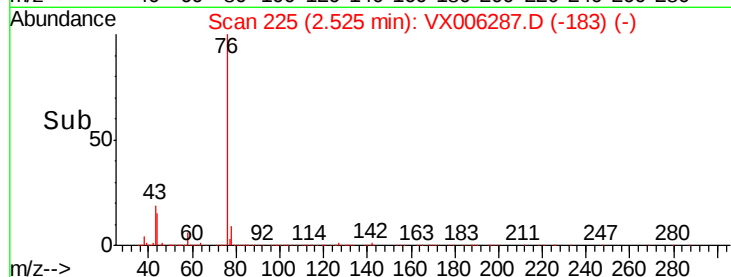
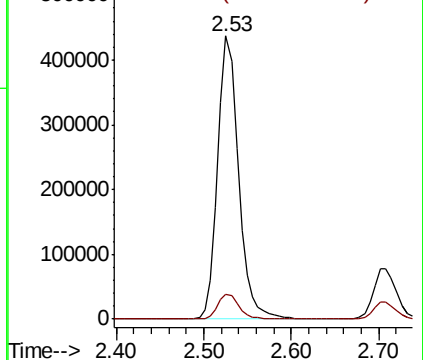
76 100

78 8.8 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 48.602 ug/l

RT: 2.80 min Scan# 270

Delta R.T. 0.02 min

Lab File: VX006287.D

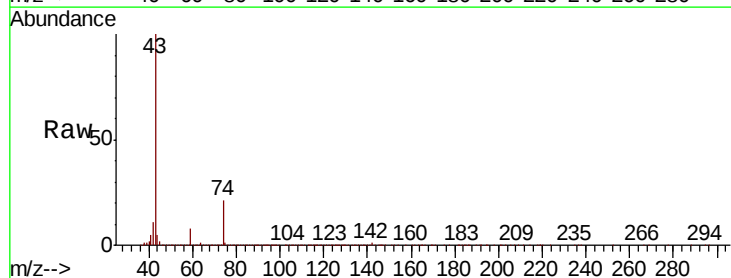
Acq: 04 Dec 2018 19:08

Tgt Ion: 43 Resp: 479966

Ion Ratio Lower Upper

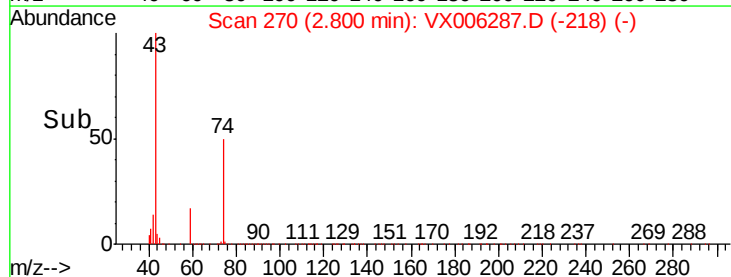
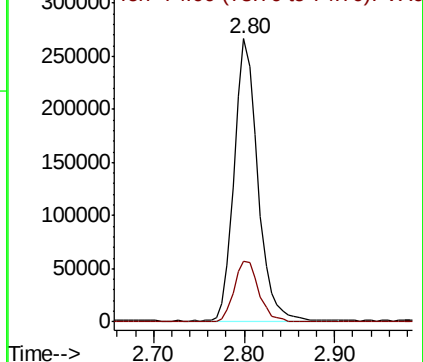
43 100

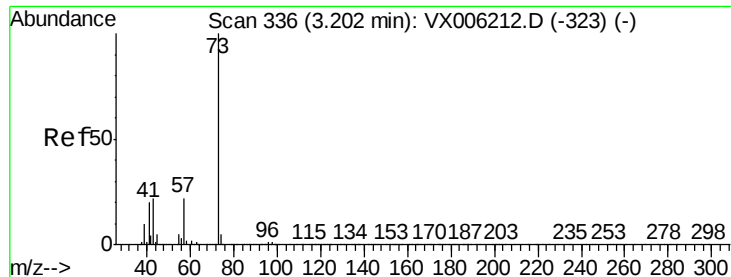
74 22.5 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

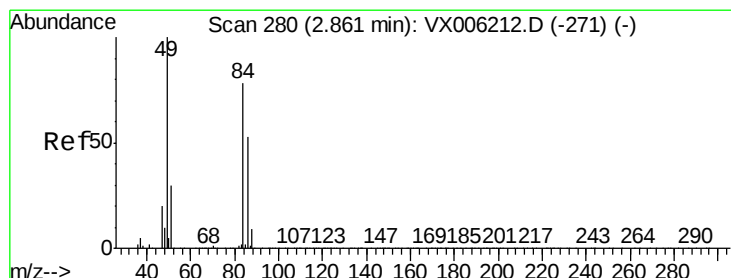
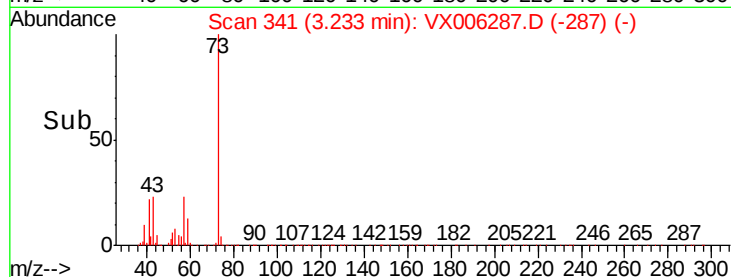
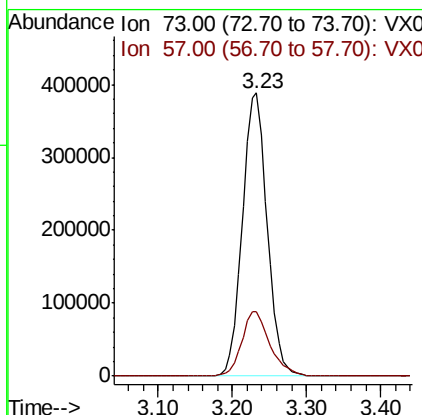
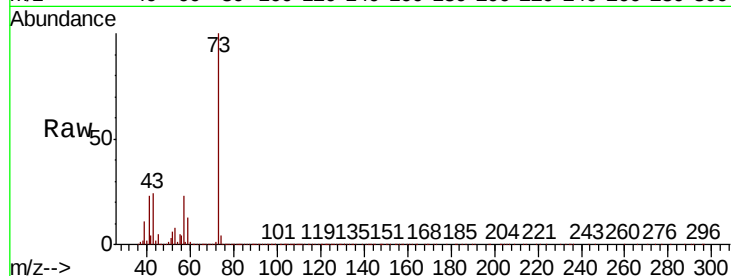




#19
Methvl tert-butvl Ether
Concen: 45.524 ug/l
RT: 3.23 min Scan# 341
Delta R.T. 0.03 min
Lab File: VX006287.D
Acq: 04 Dec 2018 19:08

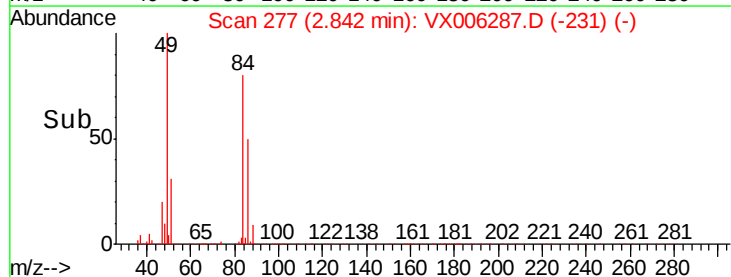
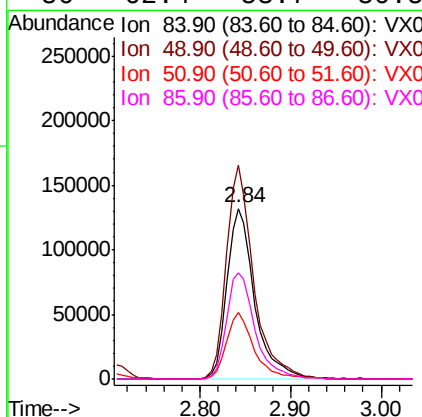
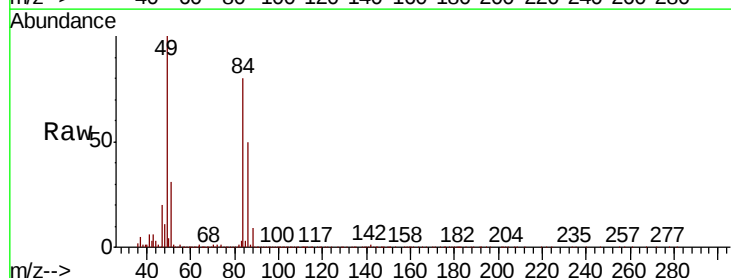
Instrument :
MSVOA_X
ClientSampleId :
S49-0483MSD

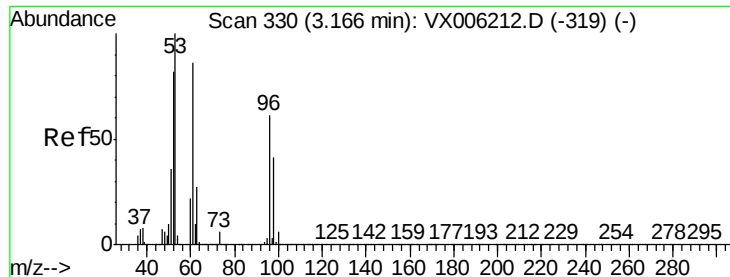
Tot Ion: 73 Resp: 905809
Ion Ratio Lower Upper
73 100
57 22.7 17.5 26.3



#20
Methylene Chloride
Concen: 44.194 ug/l
RT: 2.84 min Scan# 277
Delta R.T. -0.02 min
Lab File: VX006287.D
Acq: 04 Dec 2018 19:08

Tgt Ion: 84 Resp: 277747
Ion Ratio Lower Upper
84 100
49 125.1 102.2 153.4
51 38.6 31.1 46.7
86 62.4 53.7 80.5





#21

trans-1,2-Dichloroethene

Concen: 46.080 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.02 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

Instrument :

MSVOA_X

ClientSampled :

S49-0483MSD

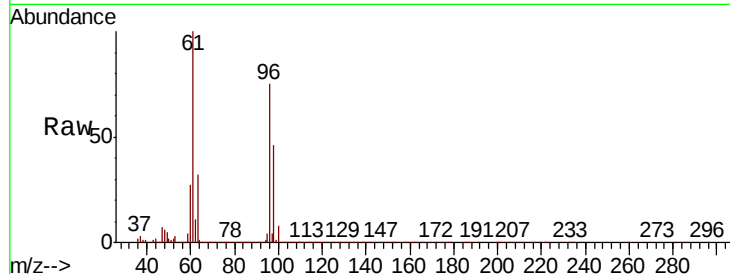
Tot Ion: 96 Resp: 273889

Ion Ratio Lower Upper

96 100

61 133.7 113.3 169.9

98 61.9 53.2 79.8

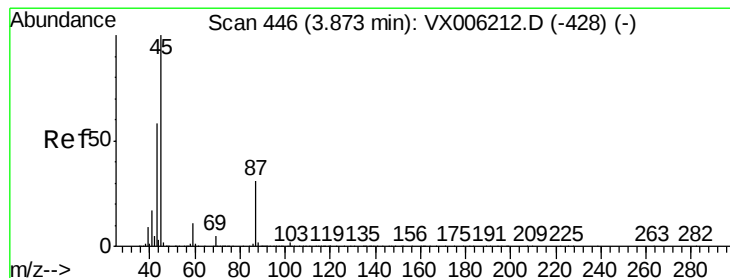
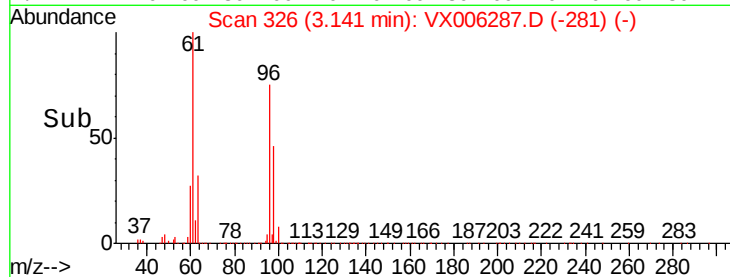
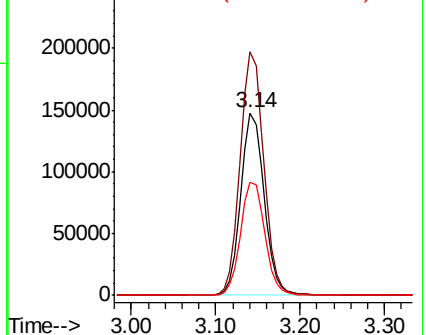


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 46.056 ug/l

RT: 3.90 min Scan# 450

Delta R.T. 0.02 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

Tgt Ion: 45 Resp: 792597

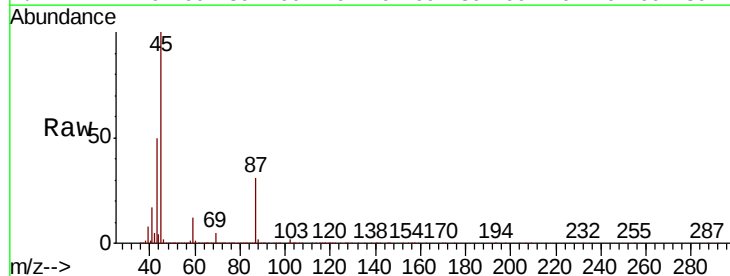
Ion Ratio Lower Upper

45 100

43 50.1 46.2 69.2

87 31.2 24.9 37.3

59 11.8 9.1 13.7



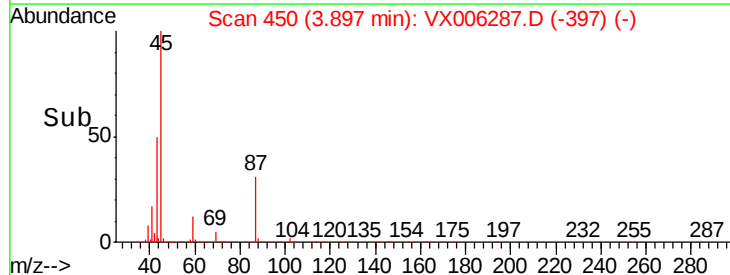
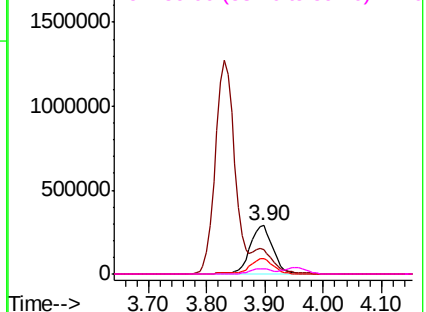
Abundance

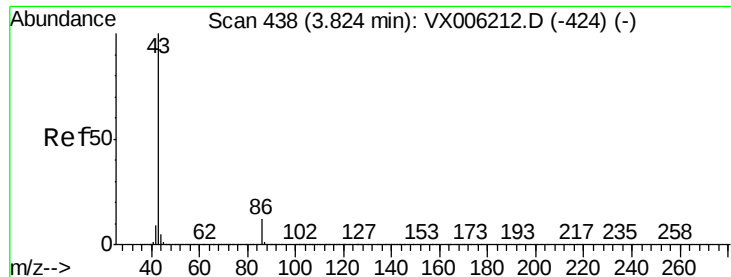
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 199.367 ug/l

RT: 3.83 min Scan# 439

Delta R.T. 0.01 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

Instrument :

MSVOA_X

ClientSampleId :

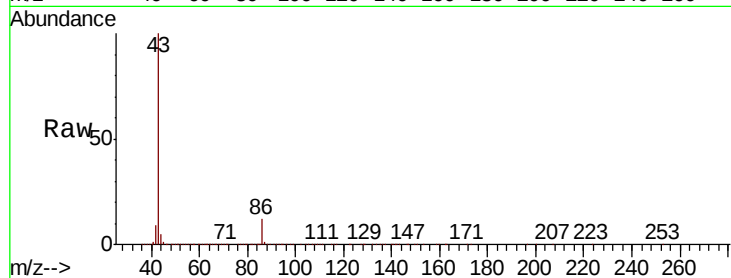
S49-0483MSD

Tot Ion: 43 Resp: 2926359

Ion Ratio Lower Upper

43 100

86 11.9 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

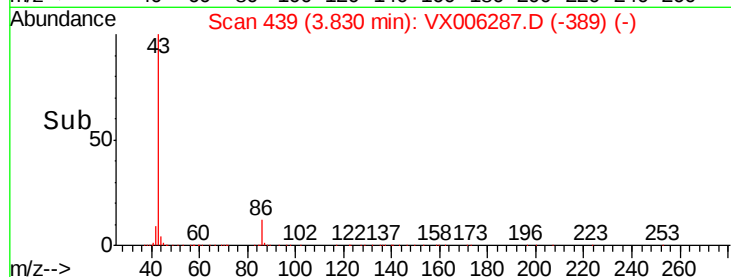
1500000

1000000

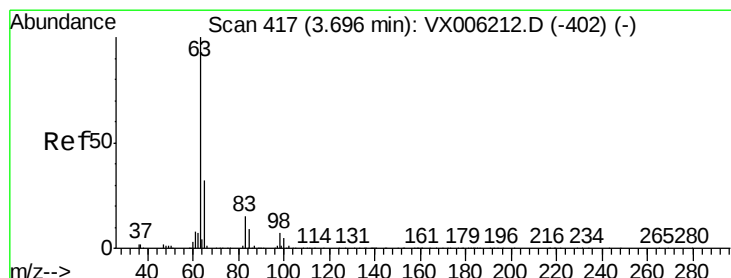
500000

0

Time-->



Time-->



#24

1,1-Dichloroethane

Concen: 48.279 ug/l

RT: 3.68 min Scan# 415

Delta R.T. -0.01 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

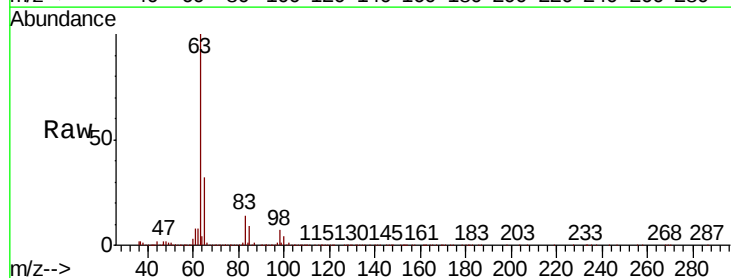
Tgt Ion: 63 Resp: 474898

Ion Ratio Lower Upper

63 100

98 7.0 3.8 11.4

100 3.9 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

250000

200000

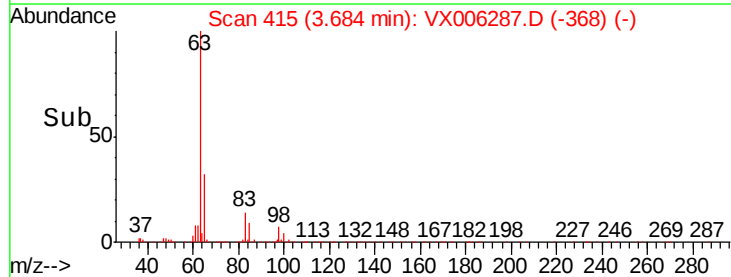
150000

100000

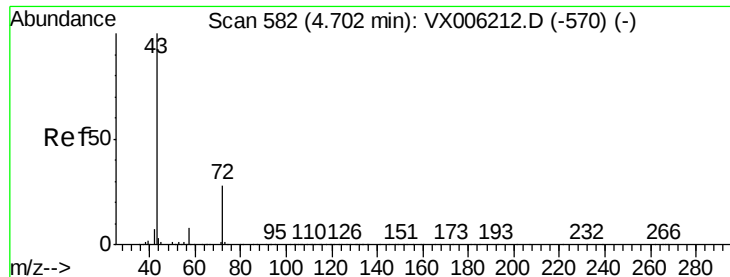
50000

0

Time-->



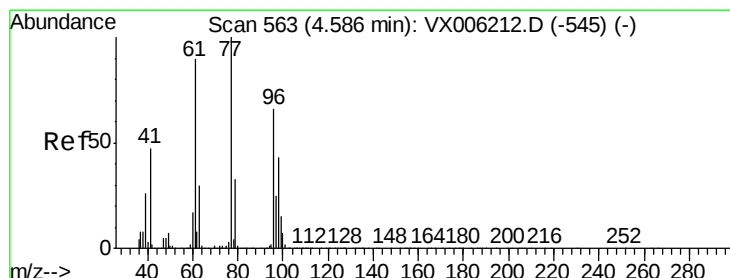
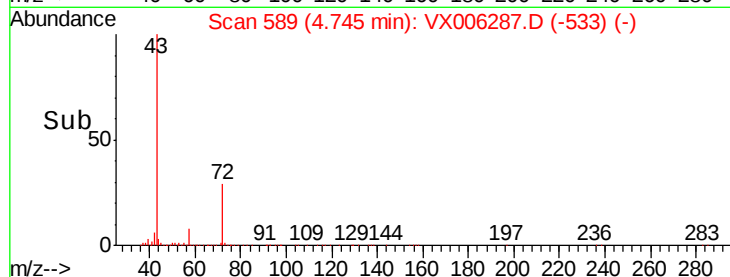
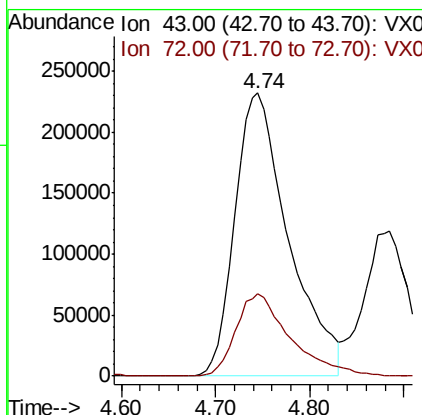
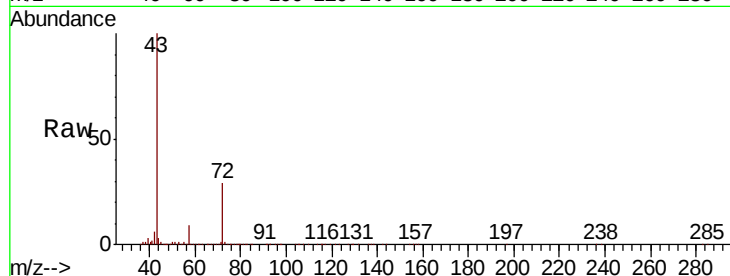
Time-->



#25
2-Butanone
Concen: 218.281 ug/l
RT: 4.74 min Scan# 589
Delta R.T. 0.04 min
Lab File: VX006287.D
Acq: 04 Dec 2018 19:08

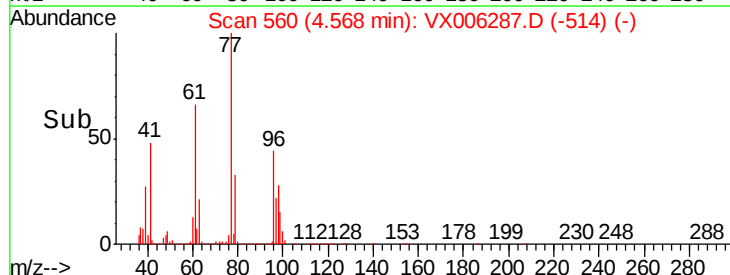
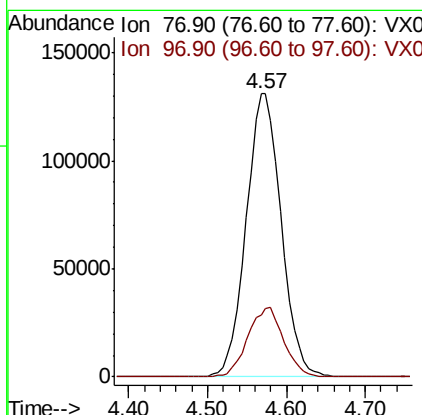
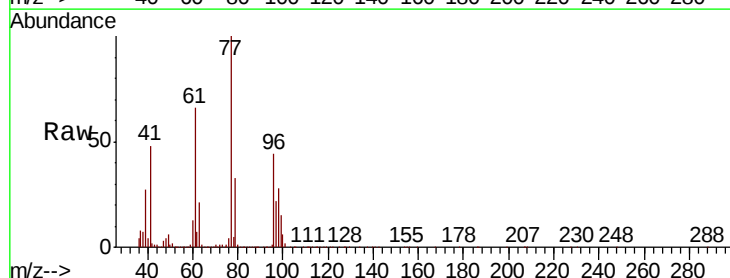
Instrument :
MSVOA_X
ClientSampleId :
S49-0483MSD

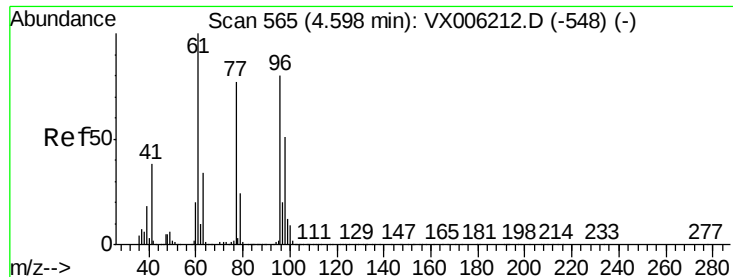
Tot Ion: 43 Resp: 919730
Ion Ratio Lower Upper
43 100
72 29.1 22.6 33.8



#26
2,2-Dichloropropane
Concen: 44.449 ug/l
RT: 4.57 min Scan# 560
Delta R.T. -0.02 min
Lab File: VX006287.D
Acq: 04 Dec 2018 19:08

Tgt Ion: 77 Resp: 403505
Ion Ratio Lower Upper
77 100
97 25.1 12.3 36.8



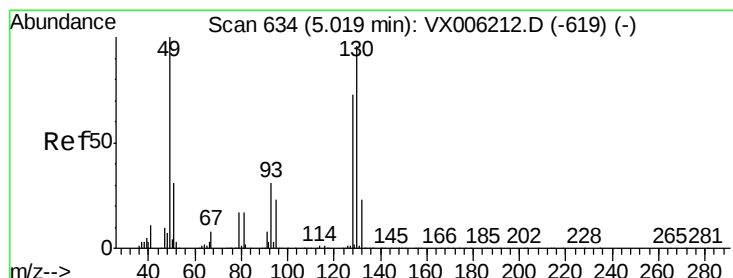
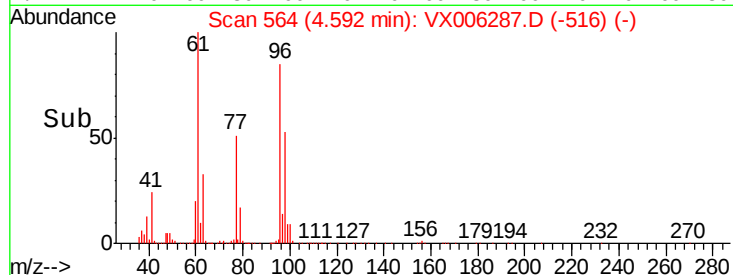
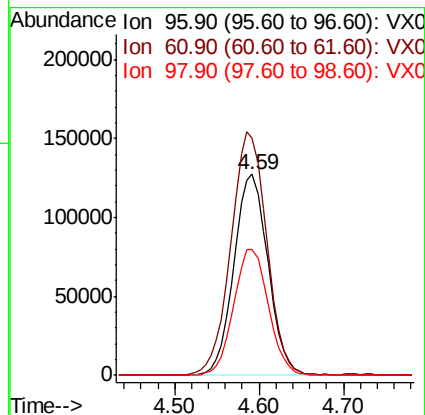
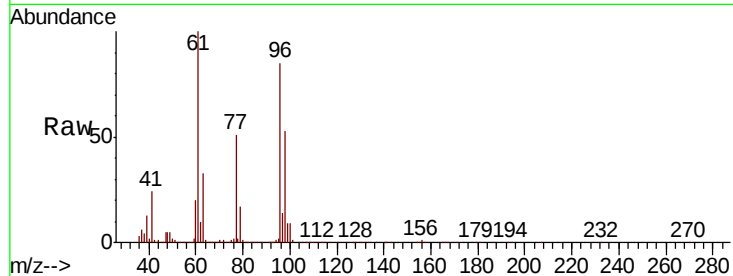


#27

cis-1,2-Dichloroethene
Concen: 52.733 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX006287.D
Acq: 04 Dec 2018 19:08

Instrument :
MSVOA_X
ClientSampleId :
S49-0483MSD

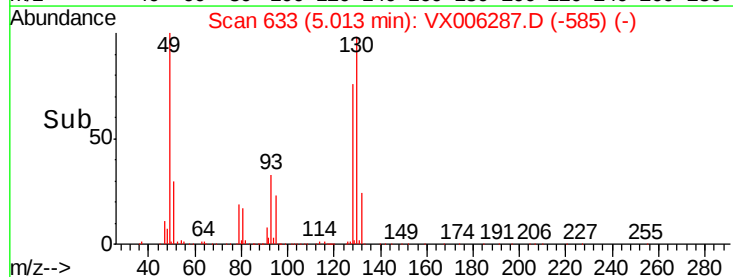
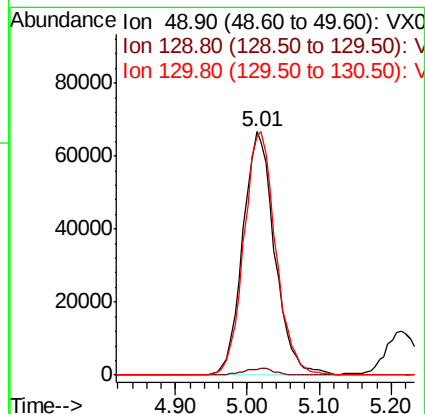
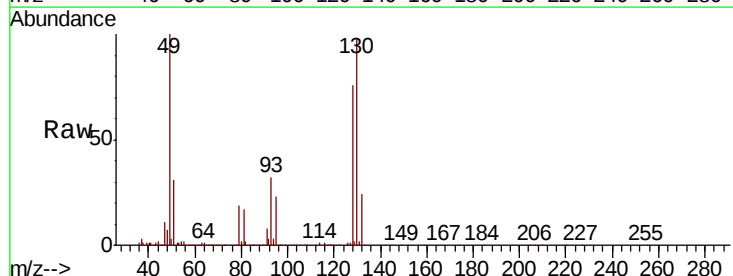
Tot Ion	Ratio	Lower	Upper
96	100		
61	127.2	0.0	265.0
98	64.1	0.0	130.2

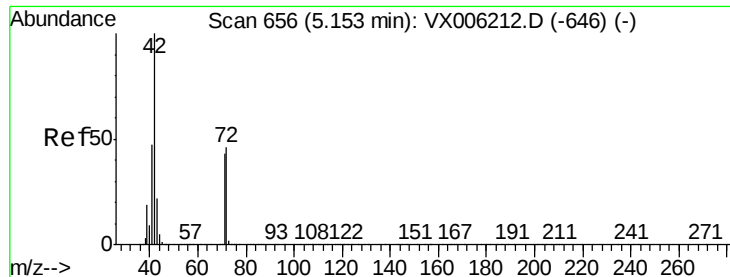


#28

Bromochloromethane
Concen: 47.690 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX006287.D
Acq: 04 Dec 2018 19:08

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.0
130	99.7	78.3	117.5





#29

Tetrahydrofuran

Concen: 214.762 ug/l

RT: 5.18 min Scan# 661

Delta R.T. 0.03 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

Instrument :

MSVOA_X

ClientSampleId :

S49-0483MSD

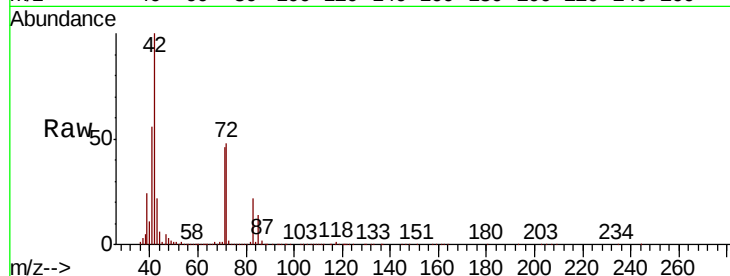
Tot Ion: 42 Resp: 628904

Ion Ratio Lower Upper

42 100

72 48.1 37.8 56.8

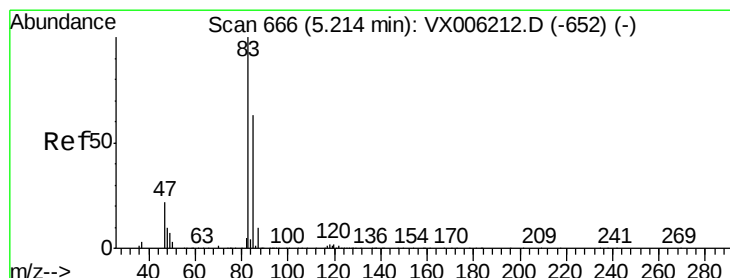
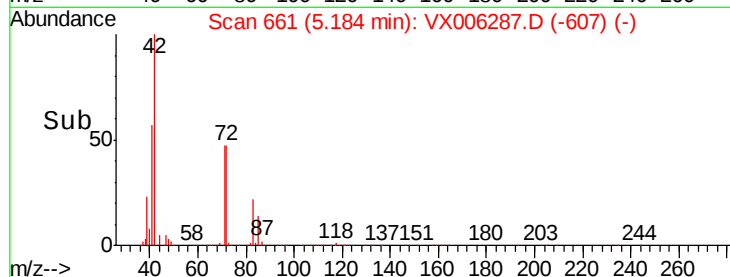
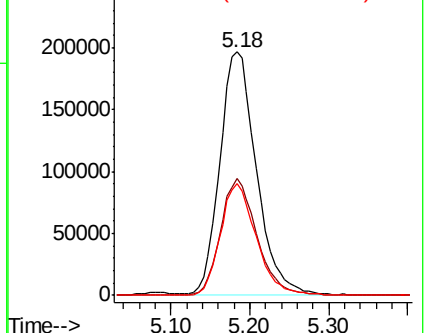
71 45.6 35.2 52.8



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 46.510 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX006287.D

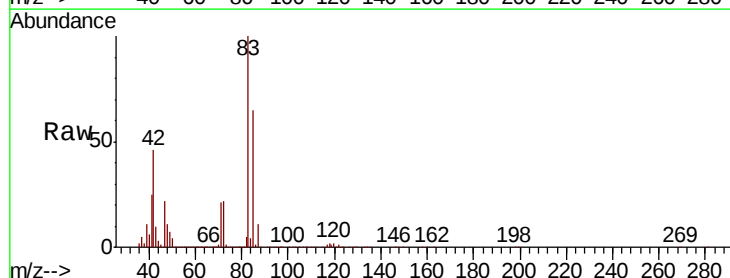
Acq: 04 Dec 2018 19:08

Tgt Ion: 83 Resp: 480769

Ion Ratio Lower Upper

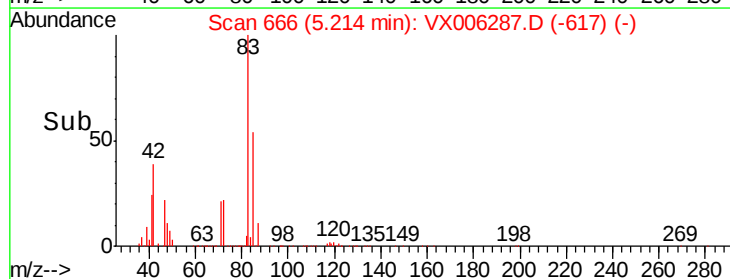
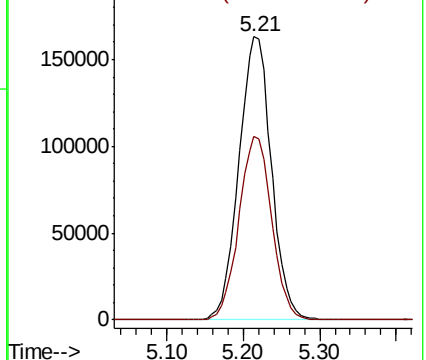
83 100

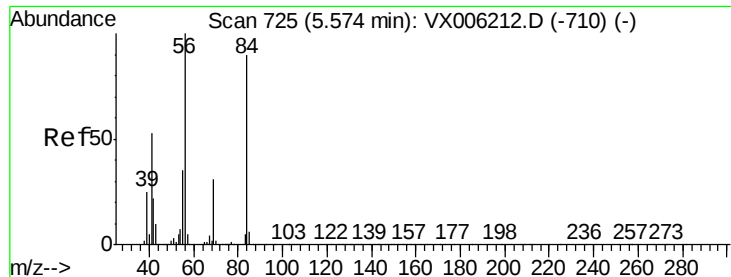
85 65.0 50.3 75.5



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

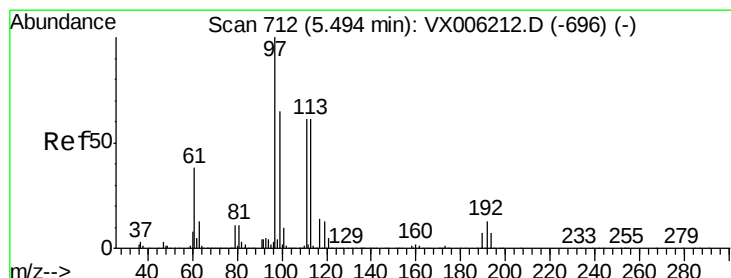
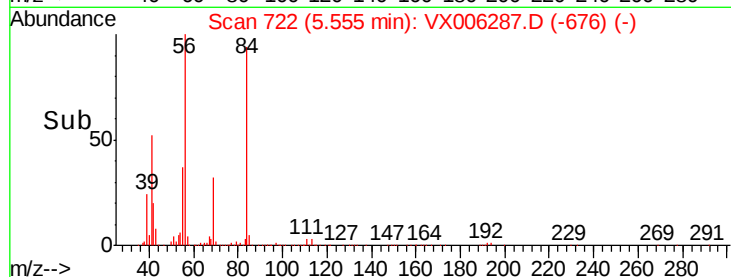
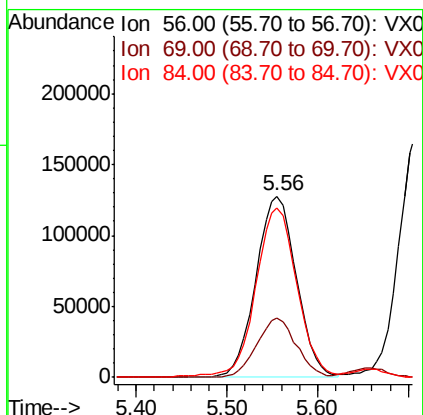
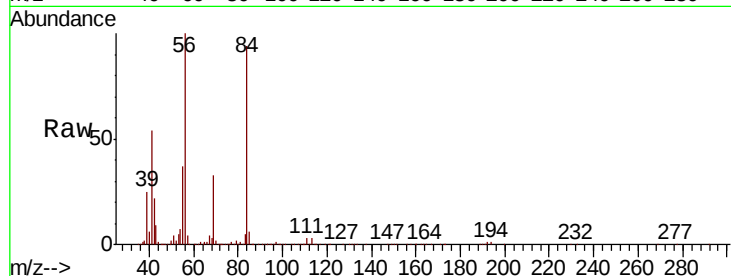




#31
Cyclohexane
Concen: 43.159 ug/l
RT: 5.56 min Scan# 722
Delta R.T. -0.02 min
Lab File: VX006287.D
Acq: 04 Dec 2018 19:08

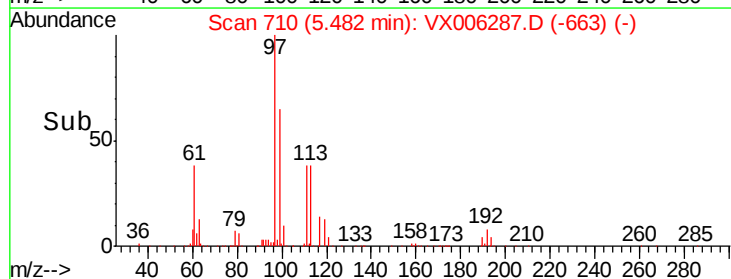
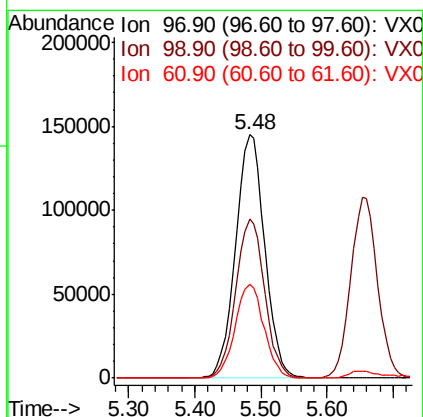
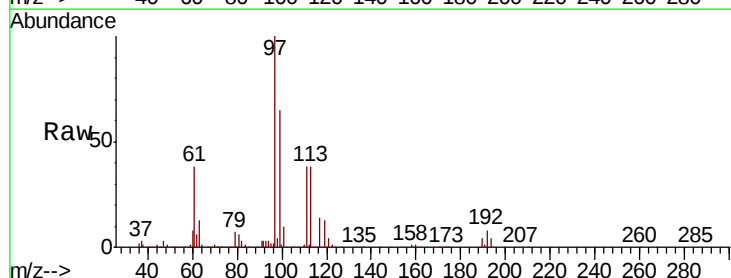
Instrument :
MSVOA_X
ClientSampleId :
S49-0483MSD

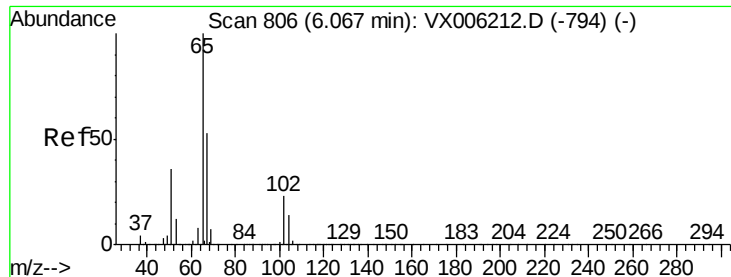
Tot Ion: 56 Resp: 392338
Ion Ratio Lower Upper
56 100
69 32.5 24.5 36.7
84 93.1 71.8 107.6



#32
1,1,1-Trichloroethane
Concen: 45.031 ug/l
RT: 5.48 min Scan# 710
Delta R.T. -0.01 min
Lab File: VX006287.D
Acq: 04 Dec 2018 19:08

Tgt Ion: 97 Resp: 442891
Ion Ratio Lower Upper
97 100
99 65.1 51.6 77.4
61 38.4 30.6 46.0





#33

1,2-Dichloroethane-d4

Concen: 51.753 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

Instrument :

MSVOA_X

ClientSampleId :

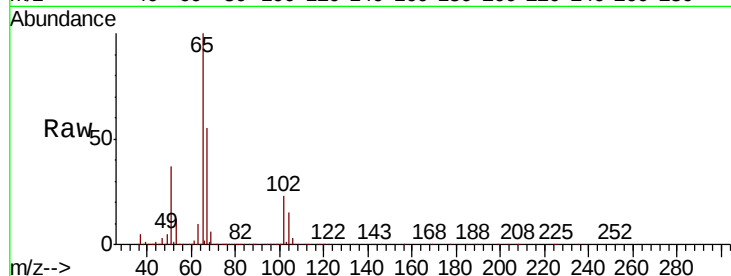
S49-0483MSD

Tot Ion: 65 Resp: 325650

Ion Ratio Lower Upper

65 100

67 53.7 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

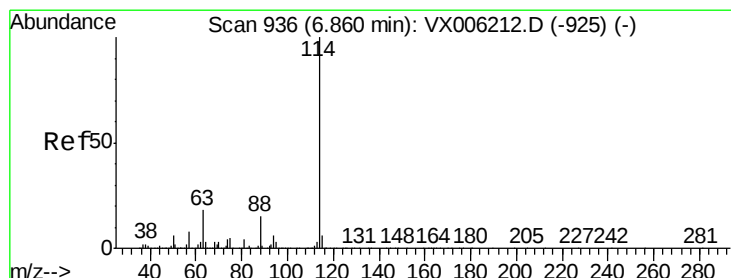
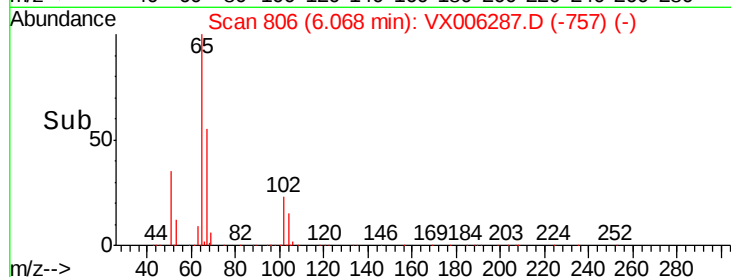
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

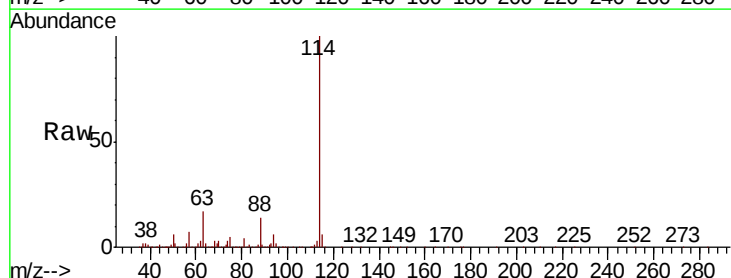
Tgt Ion: 114 Resp: 925043

Ion Ratio Lower Upper

114 100

63 17.0 0.0 36.6

88 14.2 0.0 29.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

500000

400000

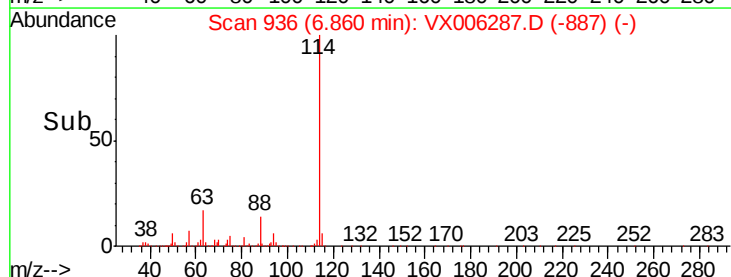
300000

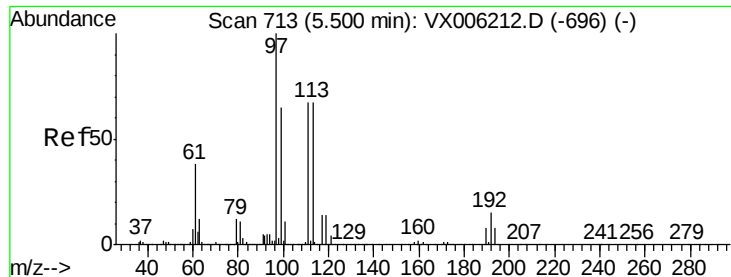
200000

100000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 52.859 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

Instrument :

MSVOA_X

ClientSampleId :

S49-0483MSD

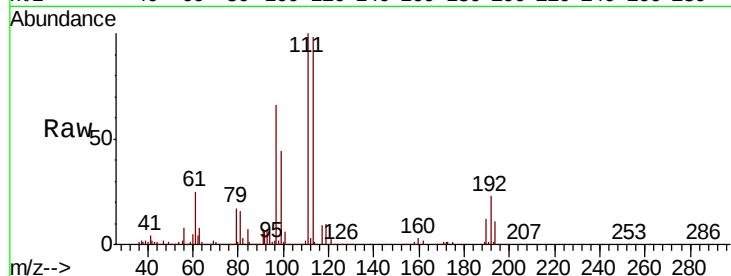
Tot Ion:113 Resp: 316588

Ion Ratio Lower Upper

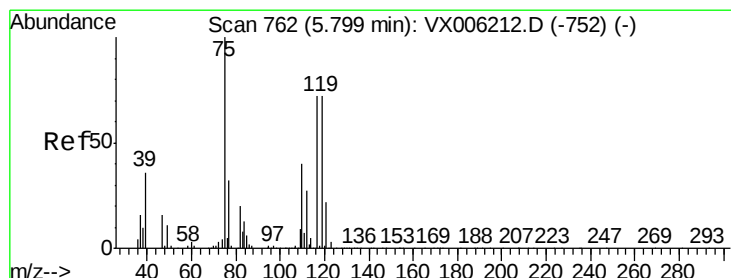
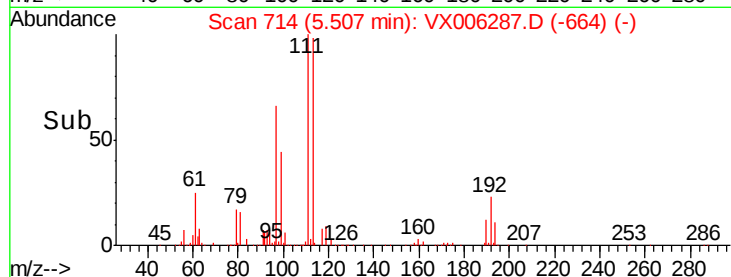
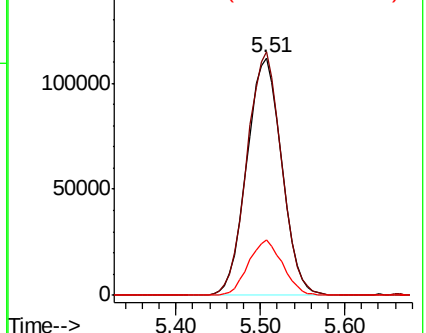
113 100

111 101.4 81.1 121.7

192 22.9 18.2 27.2



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: 44.756 ug/l

RT: 5.79 min Scan# 760

Delta R.T. -0.01 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

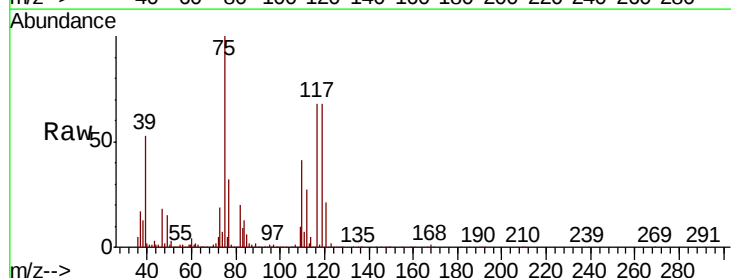
Tgt Ion: 75 Resp: 348641

Ion Ratio Lower Upper

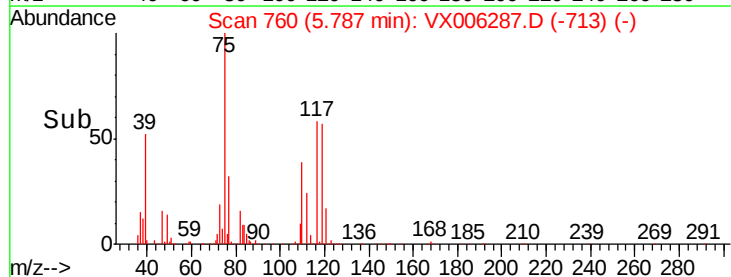
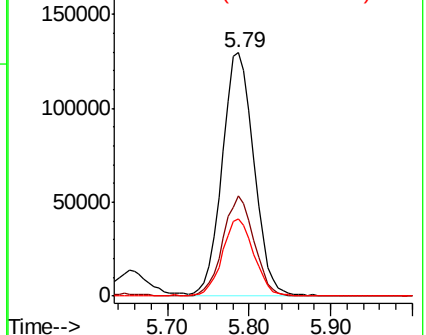
75 100

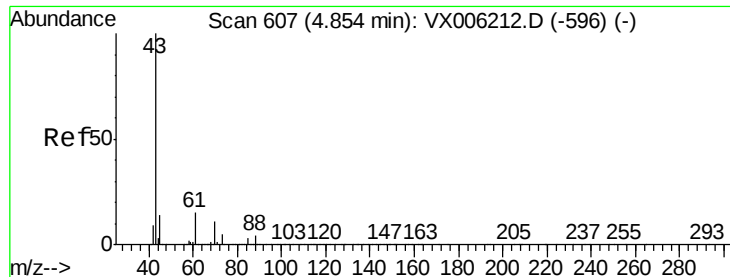
110 40.4 20.4 61.3

77 31.3 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0

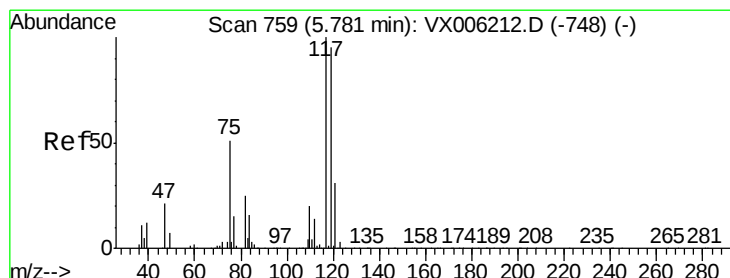
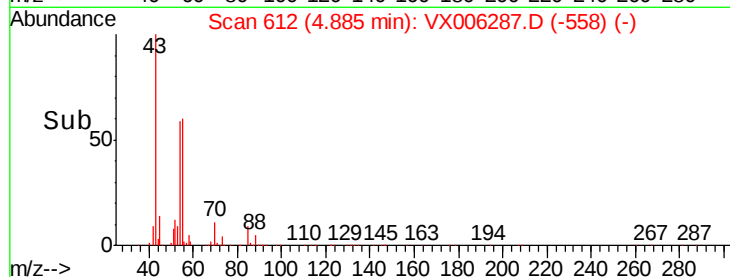
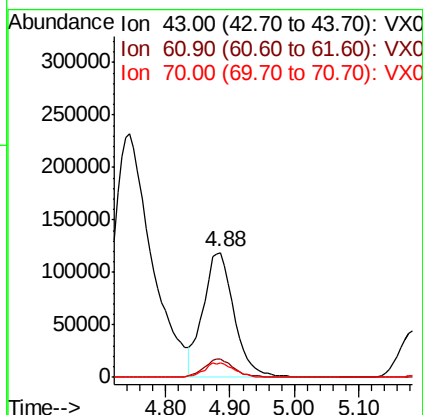
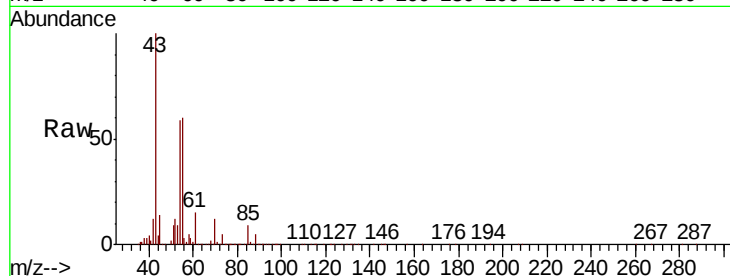




#37
Ethyl Acetate
Concen: 45.200 ug/l
RT: 4.88 min Scan# 612
Delta R.T. 0.03 min
Lab File: VX006287.D
Acq: 04 Dec 2018 19:08

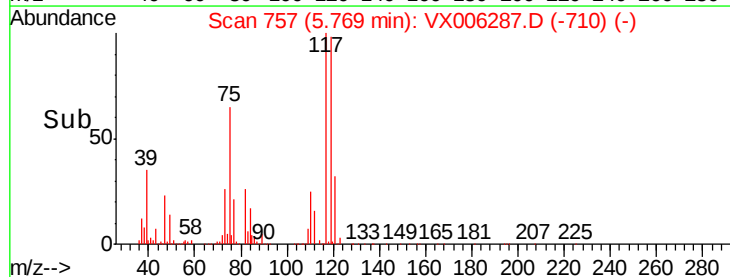
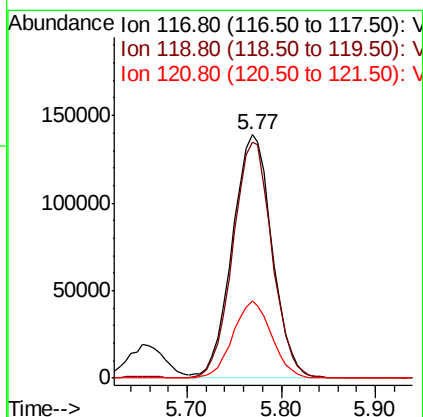
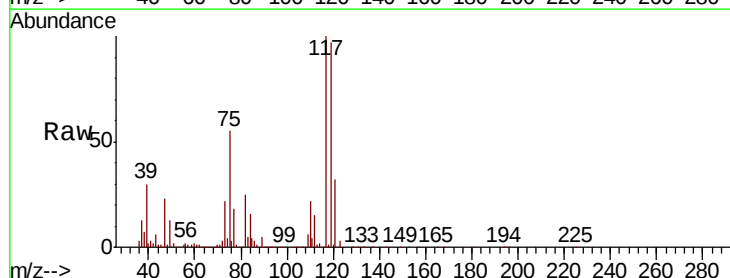
Instrument :
MSVOA_X
ClientSampleId :
S49-0483MSD

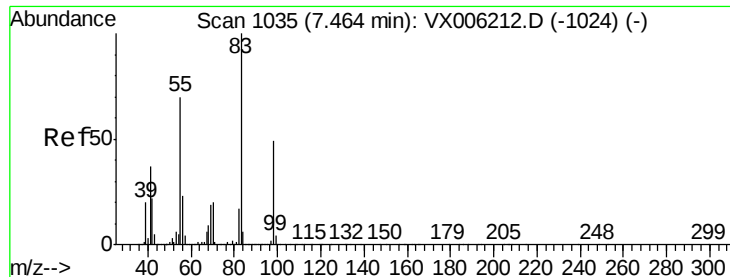
Tot Ion: 43 Resp: 394303
Ion Ratio Lower Upper
43 100
61 13.7 11.5 17.3
70 11.4 9.0 13.6



#38
Carbon Tetrachloride
Concen: 44.627 ug/l
RT: 5.77 min Scan# 757
Delta R.T. -0.01 min
Lab File: VX006287.D
Acq: 04 Dec 2018 19:08

Tgt Ion: 117 Resp: 408961
Ion Ratio Lower Upper
117 100
119 97.0 75.8 113.8
121 31.9 24.6 37.0

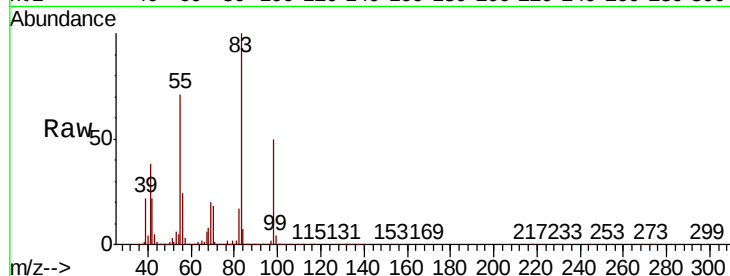




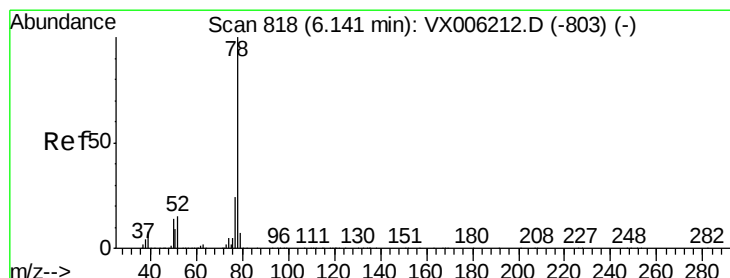
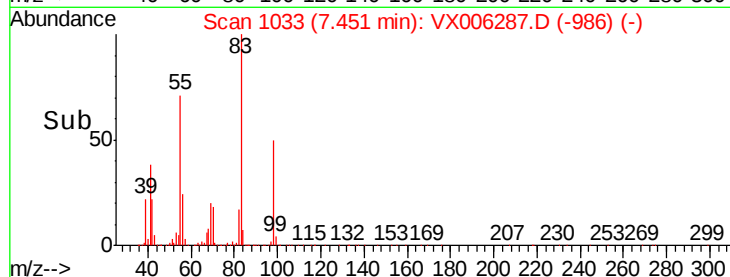
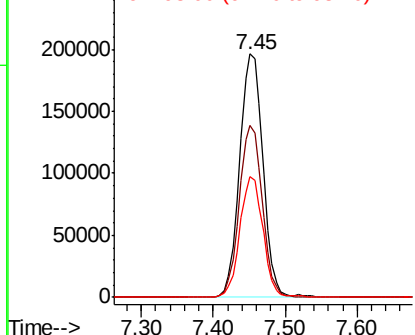
#39
Methvlcvclohexane
Concen: 43.578 ug/l
RT: 7.45 min Scan# 1033
Delta R.T. -0.01 min
Lab File: VX006287.D
Acq: 04 Dec 2018 19:08

Instrument :
MSVOA_X
ClientSampleId :
S49-0483MSD

Tot Ion: 83 Resp: 440639
Ion Ratio Lower Upper
83 100
55 70.6 56.4 84.6
98 49.6 39.0 58.6

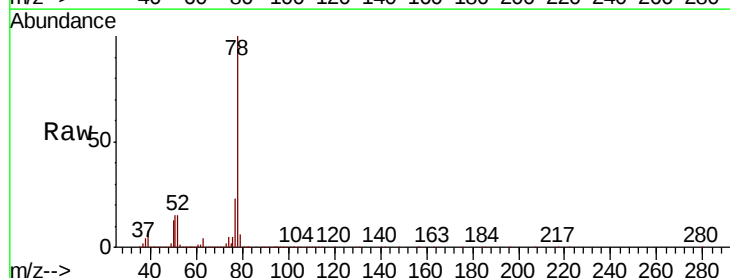


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

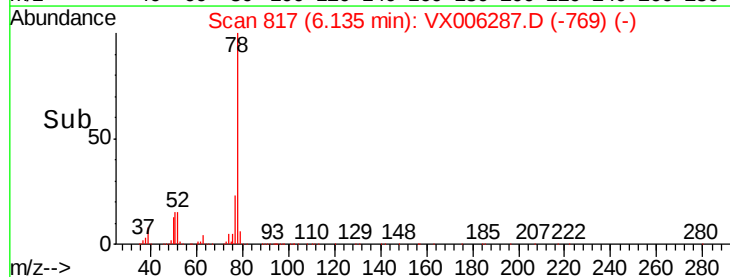
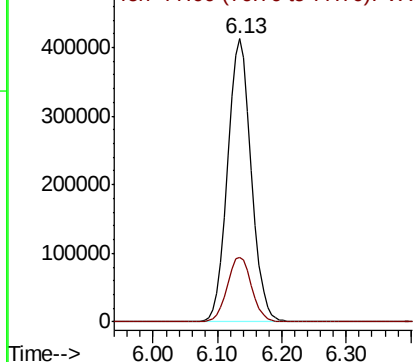


#40
Benzene
Concen: 45.732 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX006287.D
Acq: 04 Dec 2018 19:08

Tgt Ion: 78 Resp: 1066985
Ion Ratio Lower Upper
78 100
77 22.9 19.2 28.8



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

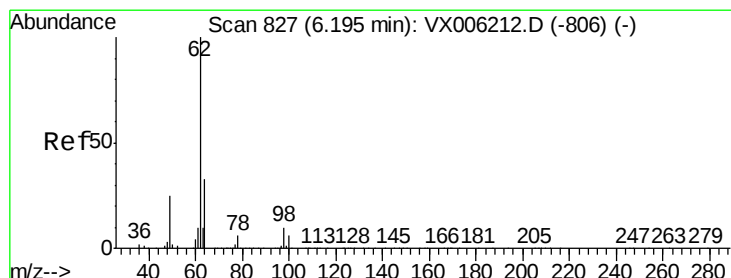
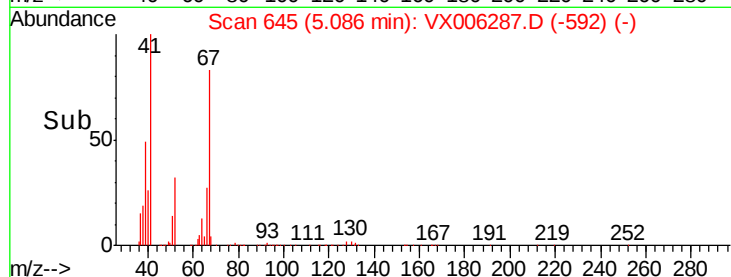
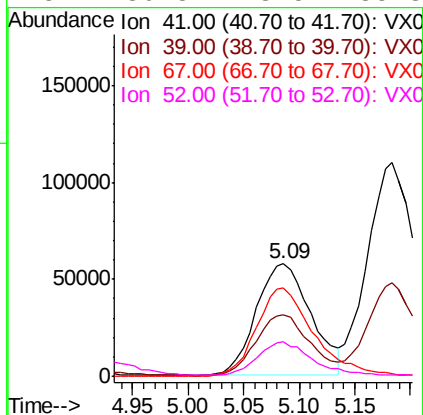
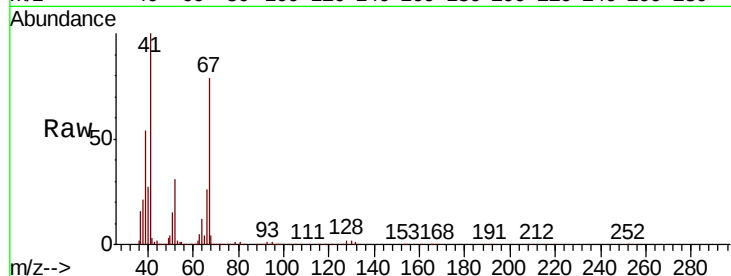




#41
Methacrylonitrile
Concen: 41.172 ug/l
RT: 5.09 min Scan# 645
Delta R.T. 0.02 min
Lab File: VX006287.D
Acq: 04 Dec 2018 19:08

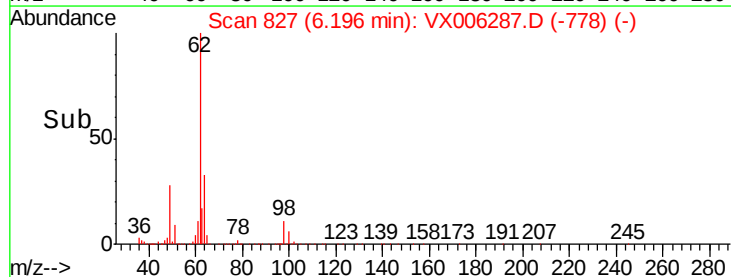
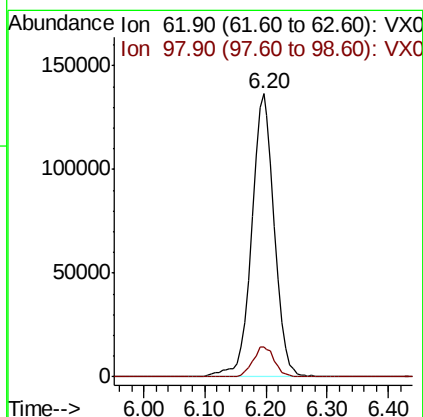
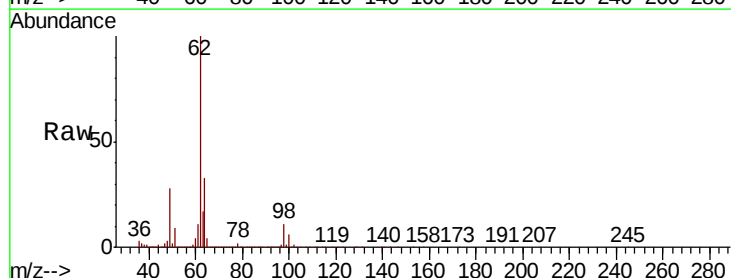
Instrument :
MSVOA_X
ClientSampleId :
S49-0483MSD

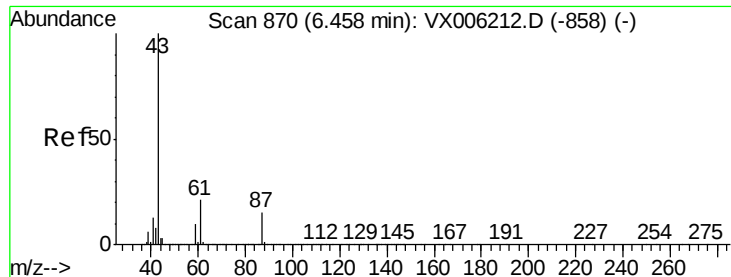
Tot Ion:	41	Resp:	197631
Ion	Ratio	Lower	Upper
41	100		
39	54.3	44.0	66.0
67	82.3	61.4	92.0
52	30.8	23.5	35.3



#42
1,2-Dichloroethane
Concen: 46.367 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX006287.D
Acq: 04 Dec 2018 19:08

Tgt Ion:	62	Resp:	354055
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.2



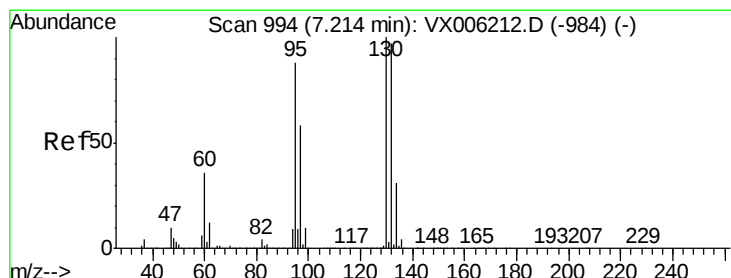
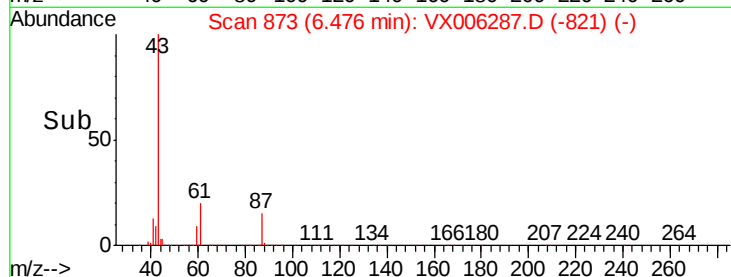
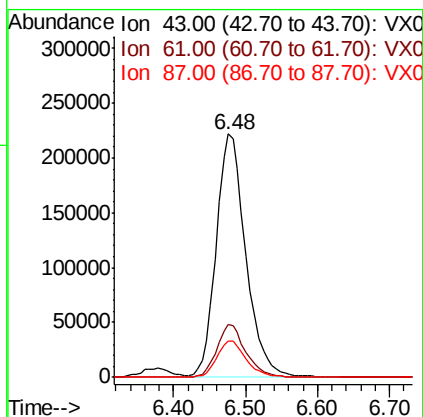
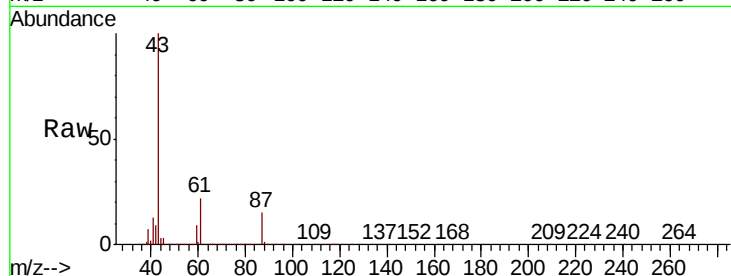


#43

Isopropyl Acetate
 Concen: 43.200 ug/l
 RT: 6.48 min Scan# 873
 Delta R.T. 0.02 min
 Lab File: VX006287.D
 Acq: 04 Dec 2018 19:08

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0483MSD

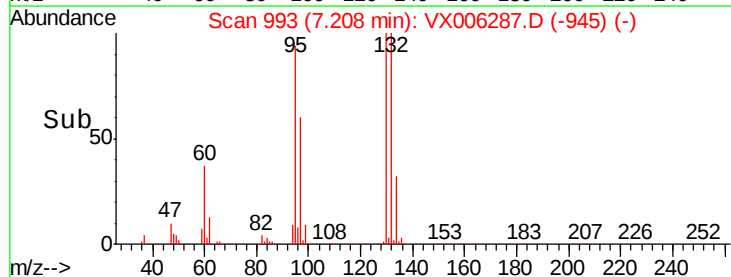
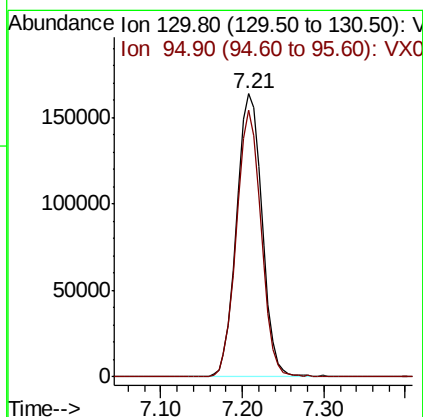
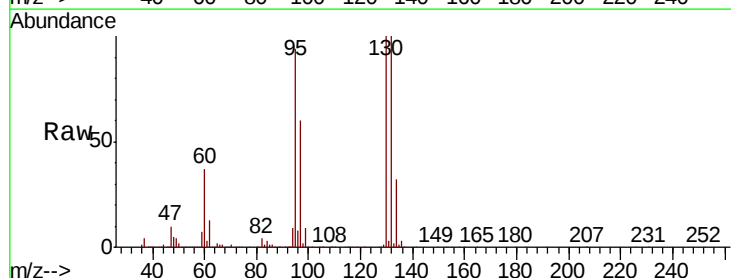
Tot Ion: 43 Resp: 628326
 Ion Ratio Lower Upper
 43 100
 61 21.1 16.8 25.2
 87 14.9 11.9 17.9



#44

Trichloroethene
 Concen: 49.926 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX006287.D
 Acq: 04 Dec 2018 19:08

Tgt Ion: 130 Resp: 352879
 Ion Ratio Lower Upper
 130 100
 95 94.4 0.0 175.8





#45

1,2-Dichloropropane

Concen: 44.270 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

Instrument :

MSVOA_X

ClientSampleId :

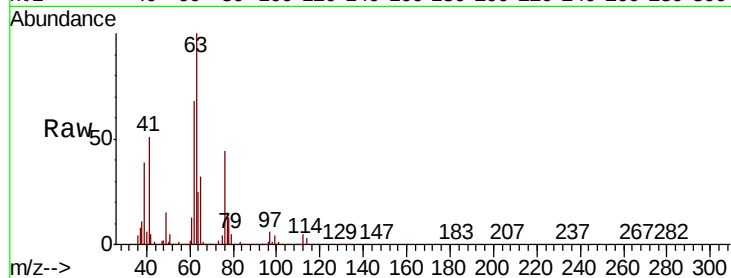
S49-0483MSD

Tot Ion: 63 Resp: 262506

Ion Ratio Lower Upper

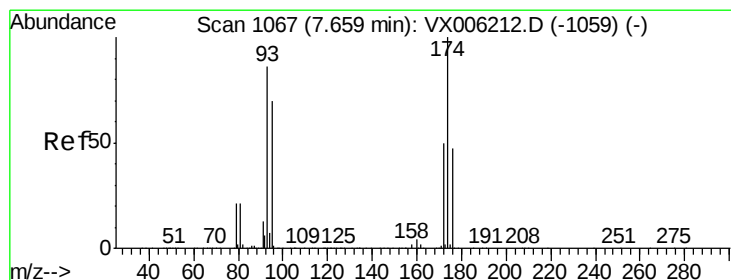
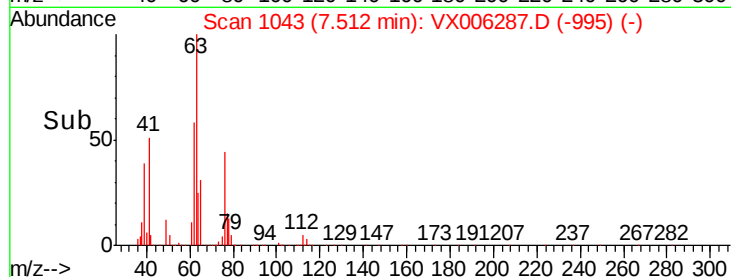
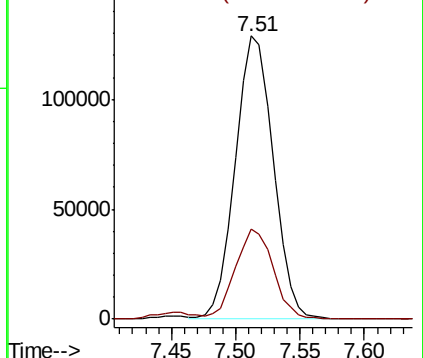
63 100

65 31.8 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 45.435 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

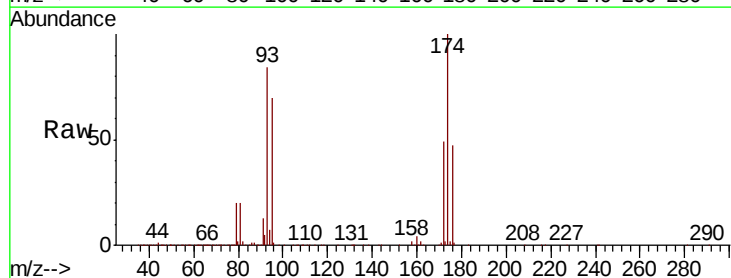
Tgt Ion: 93 Resp: 194574

Ion Ratio Lower Upper

93 100

95 83.7 66.2 99.4

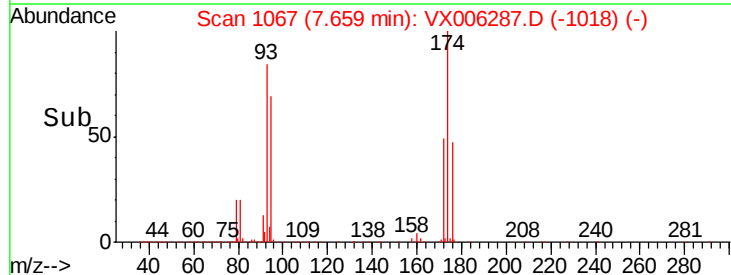
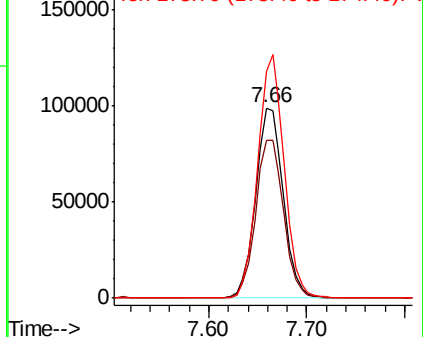
174 123.0 97.2 145.8

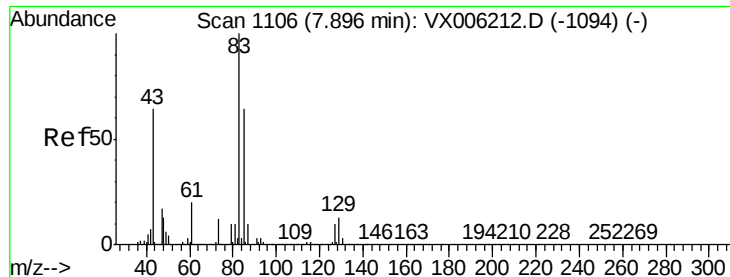


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 45.267 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

Instrument :

MSVOA_X

ClientSampleId :

S49-0483MSD

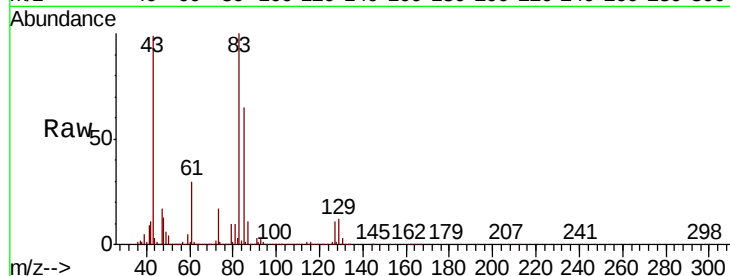
Tot Ion: 83 Resp: 375409

Ion Ratio Lower Upper

83 100

85 65.1 51.4 77.0

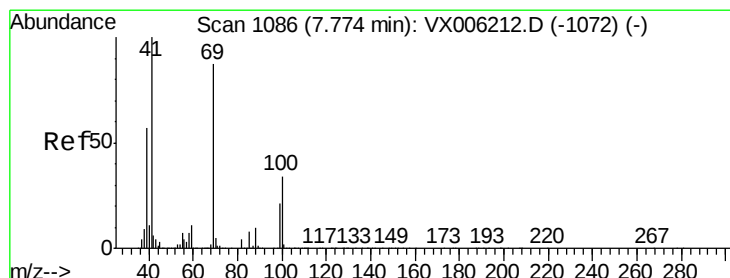
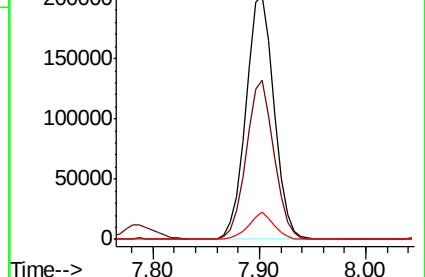
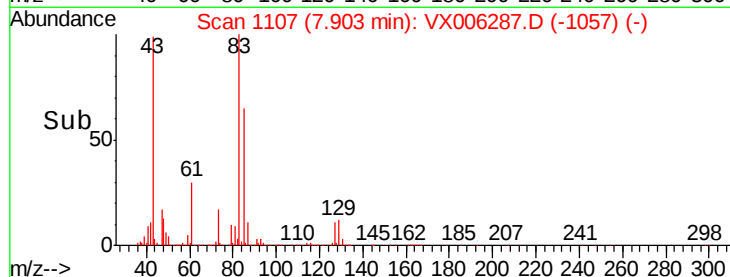
127 11.1 7.9 11.9



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: 43.388 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. 0.01 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

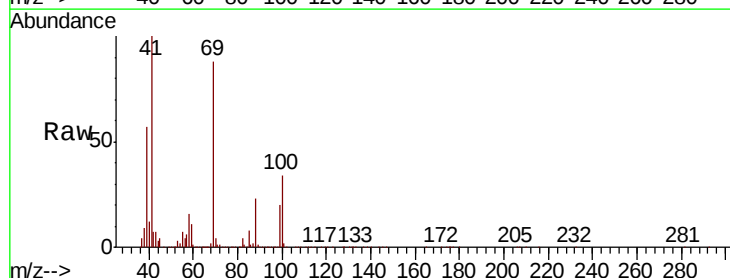
Tgt Ion: 41 Resp: 307003

Ion Ratio Lower Upper

41 100

69 90.0 70.3 105.5

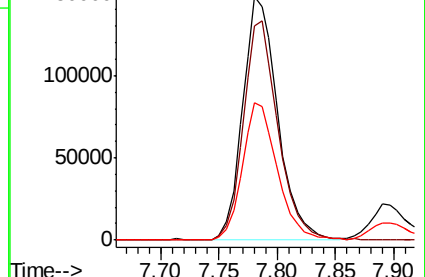
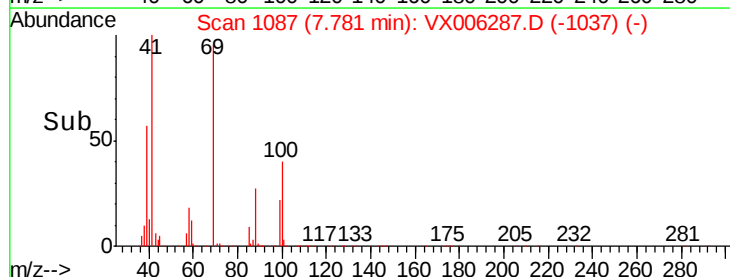
39 56.2 45.3 67.9

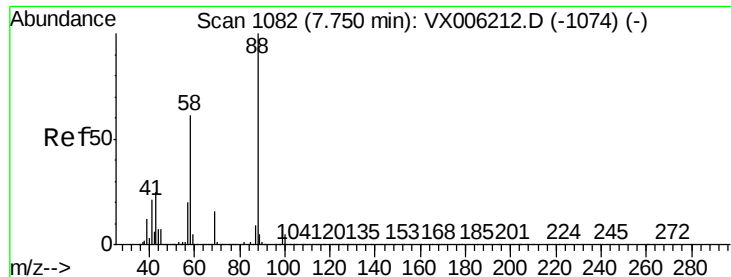


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 890.167 ug/l

RT: 7.80 min Scan# 1090

Delta R.T. 0.05 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

Instrument :

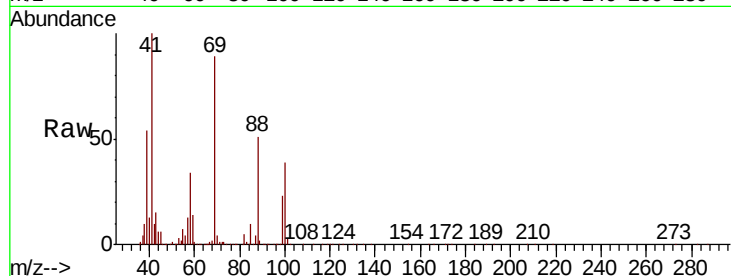
MSVOA_X

ClientSampleId :

S49-0483MSD

Tot Ion: 88 Resp: 155240

Ion	Ratio	Lower	Upper
88	100		
43	27.0	23.2	34.8
58	61.9	51.4	77.0

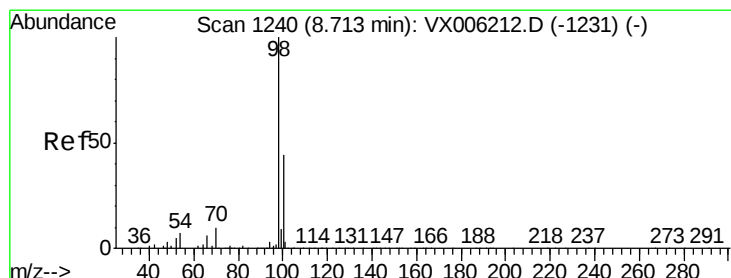
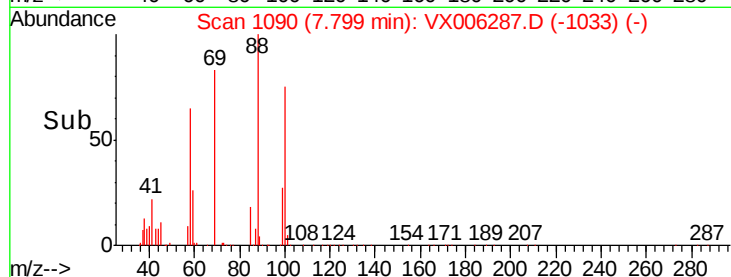
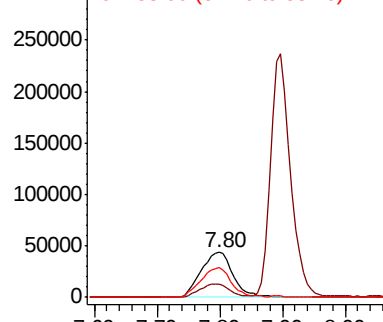


Abundance

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: 50.488 ug/l

RT: 8.71 min Scan# 1240

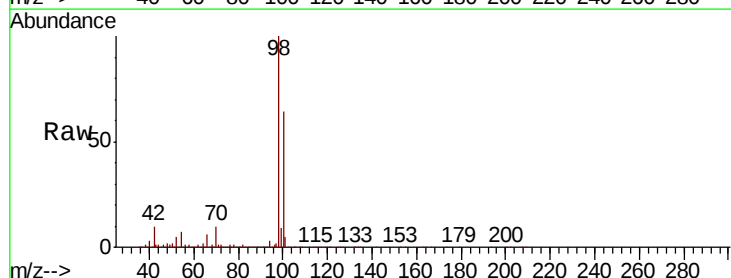
Delta R.T. 0.00 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

Tgt Ion: 98 Resp: 1099906

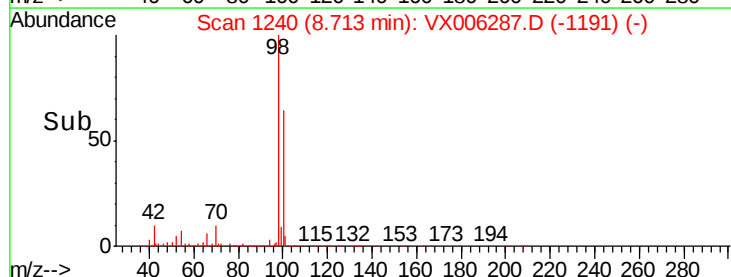
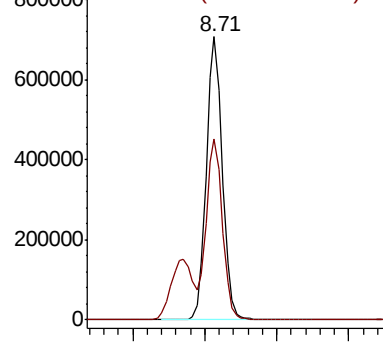
Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.2	78.2



Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

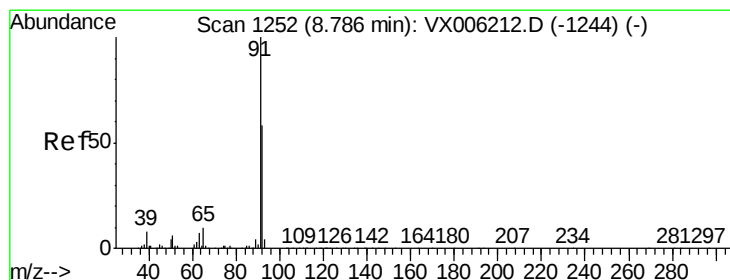
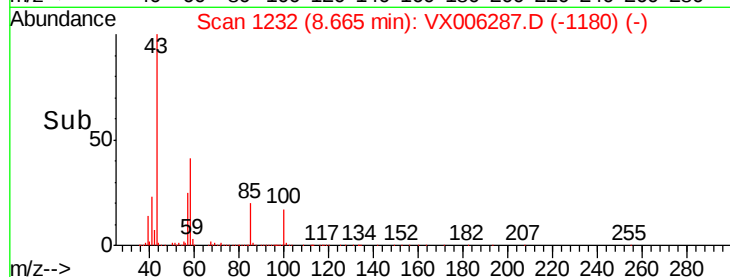
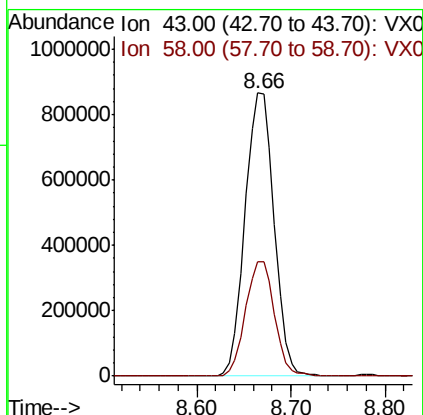
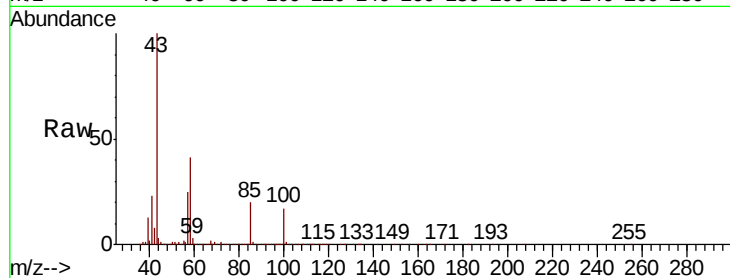




#51
4-Methyl-2-Pentanone
Concen: 221.213 ug/l
RT: 8.66 min Scan# 1232
Delta R.T. 0.02 min
Lab File: VX006287.D
Acq: 04 Dec 2018 19:08

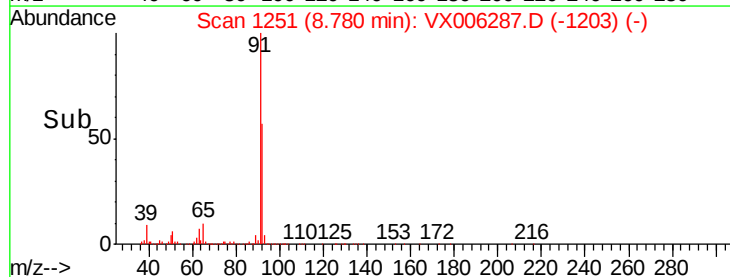
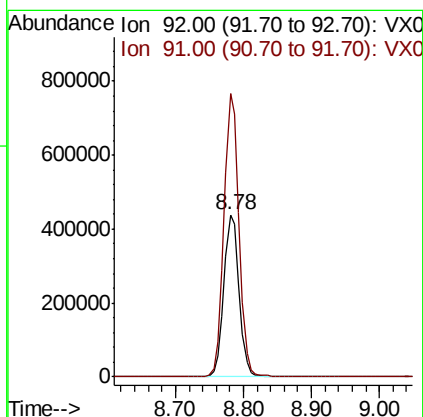
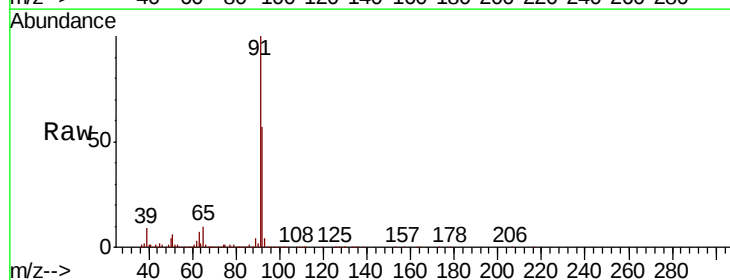
Instrument :
MSVOA_X
ClientSampleId :
S49-0483MSD

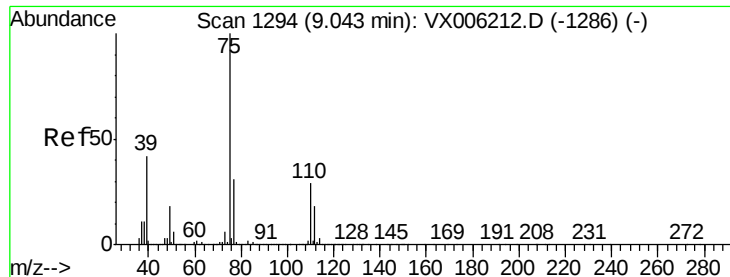
Tot Ion: 43 Resp: 1873039
Ion Ratio Lower Upper
43 100
58 40.6 31.3 46.9



#52
Toluene
Concen: 44.279 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX006287.D
Acq: 04 Dec 2018 19:08

Tgt Ion: 92 Resp: 679659
Ion Ratio Lower Upper
92 100
91 172.8 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 43.836 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

Instrument :

MSVOA_X

ClientSampleId :

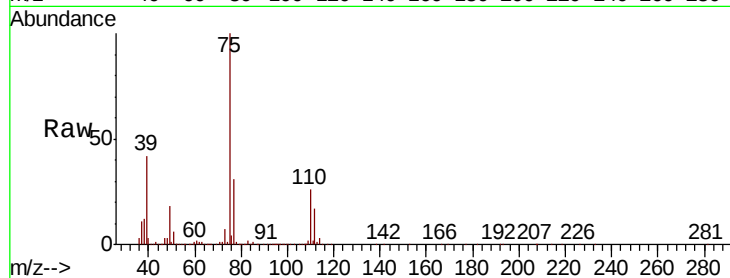
S49-0483MSD

Tot Ion: 75 Resp: 425162

Ion Ratio Lower Upper

75 100

77 30.9 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

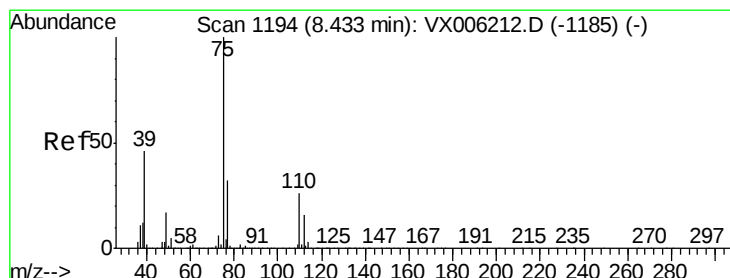
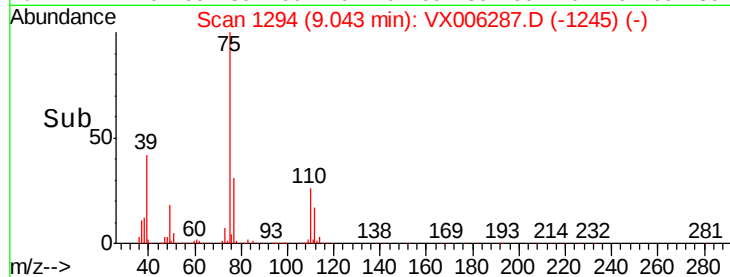
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 44.632 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

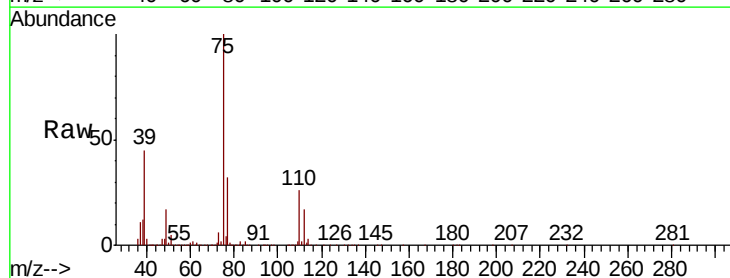
Tgt Ion: 75 Resp: 449502

Ion Ratio Lower Upper

75 100

77 32.1 25.6 38.4

39 45.0 36.5 54.7



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

8.43

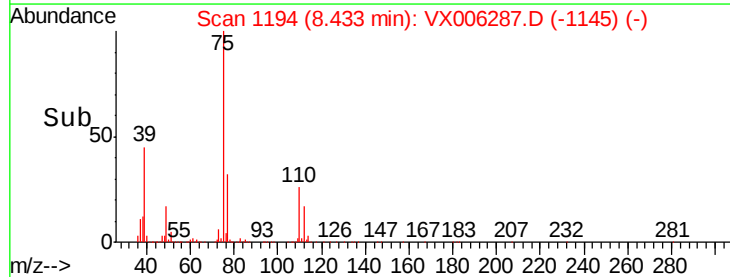
300000

200000

100000

0

Time-->

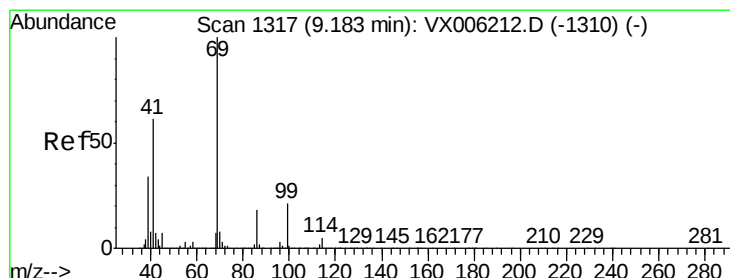
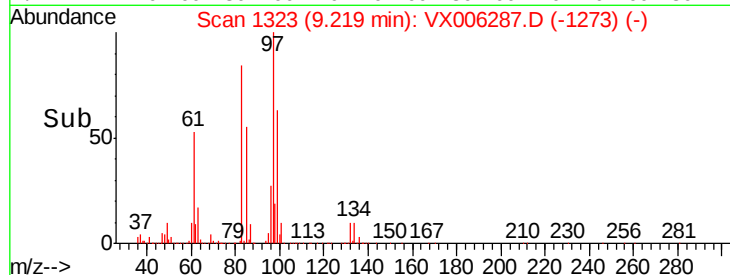
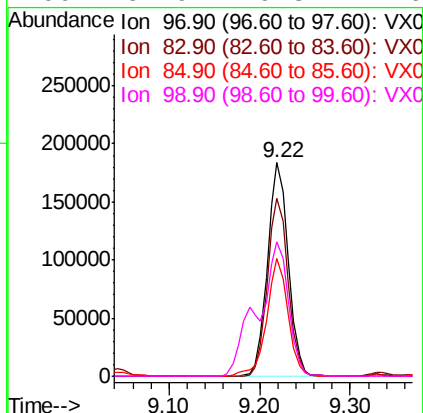
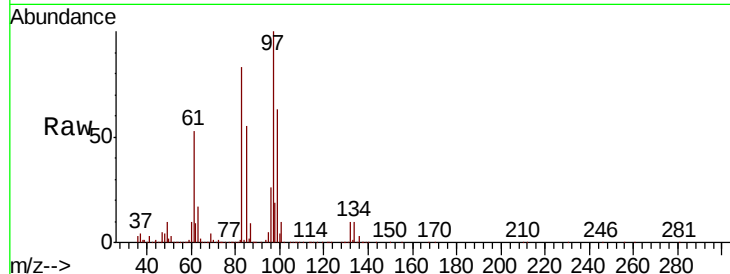




#55
 1,1,2-Trichloroethane
 Concen: 46.736 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VX006287.D
 Acq: 04 Dec 2018 19:08

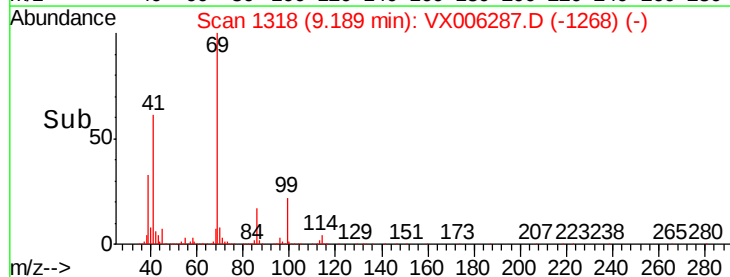
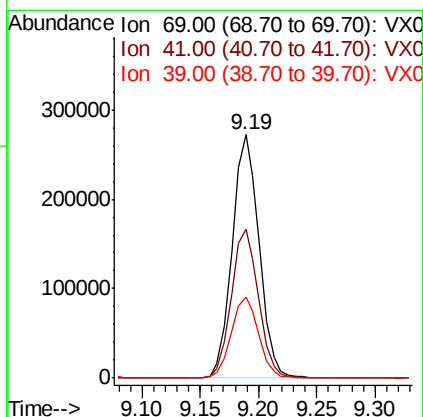
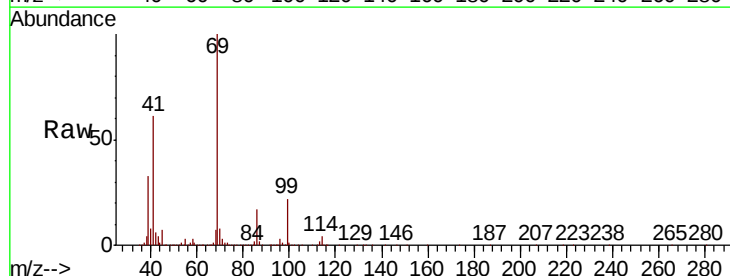
Instrument :
 MSVOA_X
 ClientSampled :
 S49-0483MSD

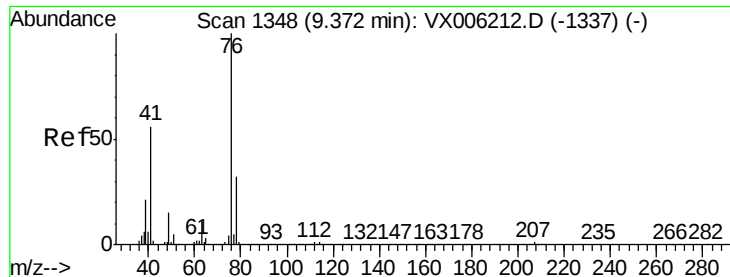
Tot Ion:	97	Resp:	291441
Ion	Ratio	Lower	Upper
97	100		
83	83.4	67.1	100.7
85	55.1	43.2	64.8
99	62.9	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 44.920 ug/l
 RT: 9.19 min Scan# 1318
 Delta R.T. 0.01 min
 Lab File: VX006287.D
 Acq: 04 Dec 2018 19:08

Tgt Ion:	69	Resp:	437907
Ion	Ratio	Lower	Upper
69	100		
41	61.3	50.6	76.0
39	33.4	27.6	41.4





#57

1,3-Dichloropropane

Concen: 45.595 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

Instrument :

MSVOA_X

ClientSampleId :

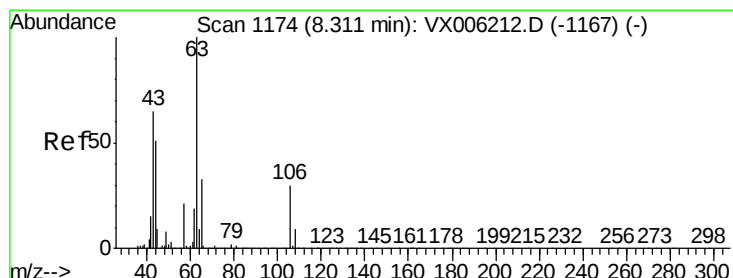
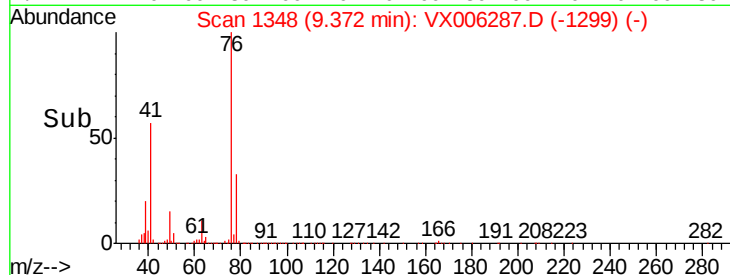
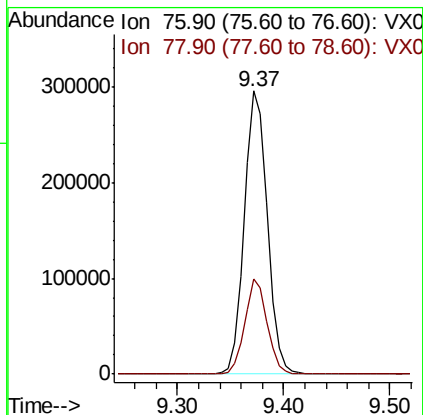
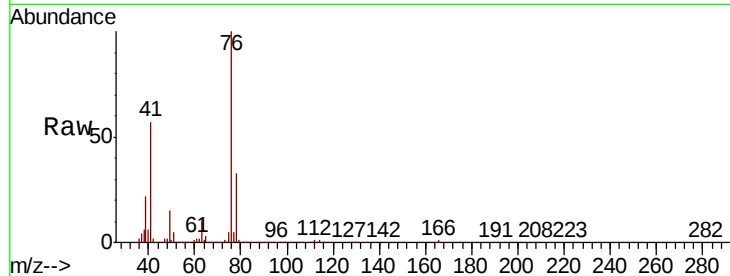
S49-0483MSD

Tot Ion: 76 Resp: 449603

Ion Ratio Lower Upper

76 100

78 32.4 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 240.281 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.01 min

Lab File: VX006287.D

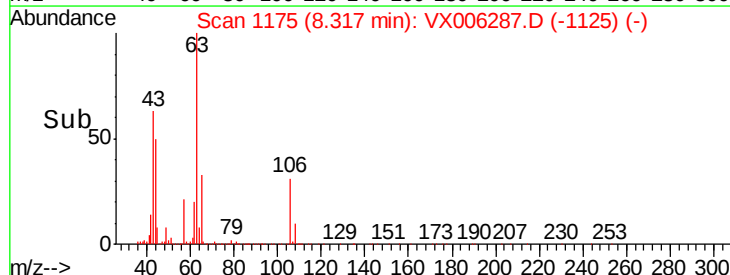
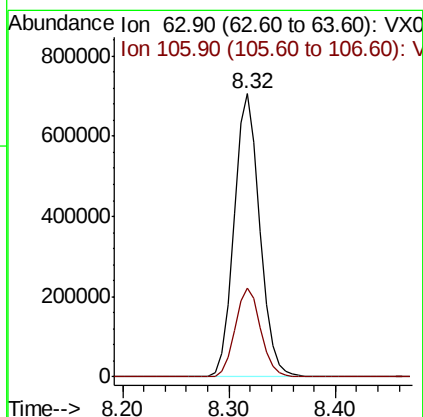
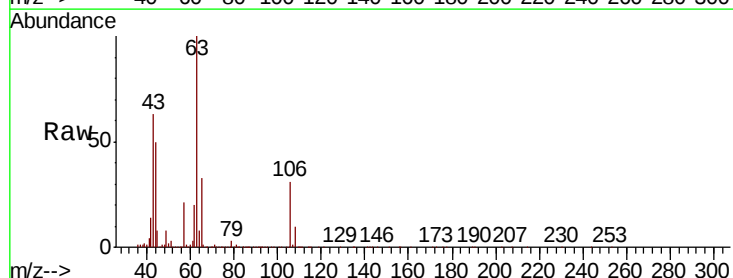
Acq: 04 Dec 2018 19:08

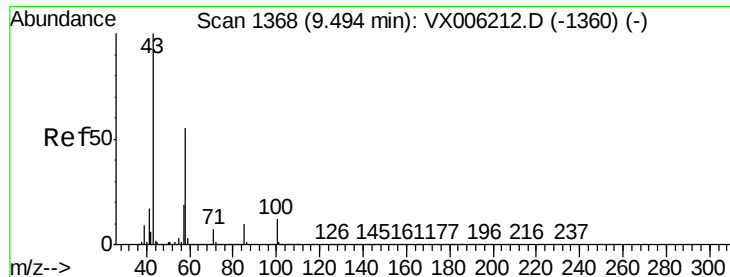
Tgt Ion: 63 Resp: 1188656

Ion Ratio Lower Upper

63 100

106 31.5 24.9 37.3

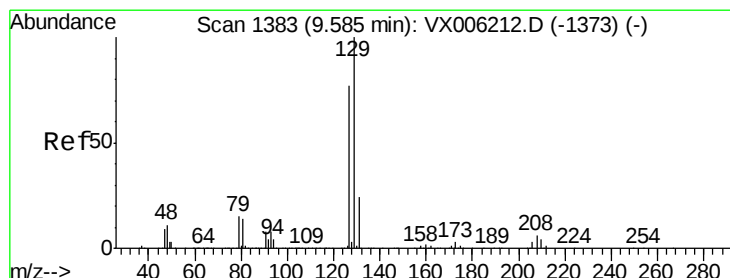
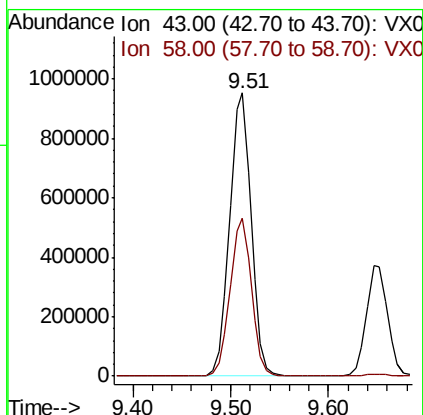
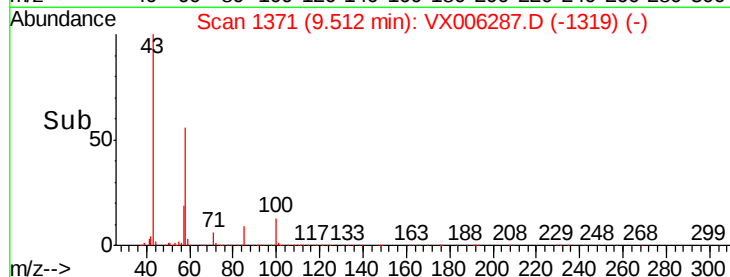
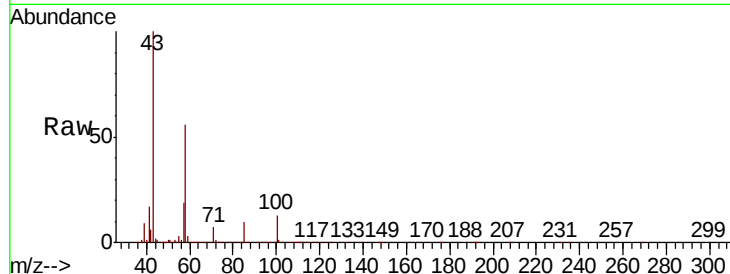




#59
2-Hexanone
Concen: 225.172 ug/l
RT: 9.51 min Scan# 1371
Delta R.T. 0.02 min
Lab File: VX006287.D
Acq: 04 Dec 2018 19:08

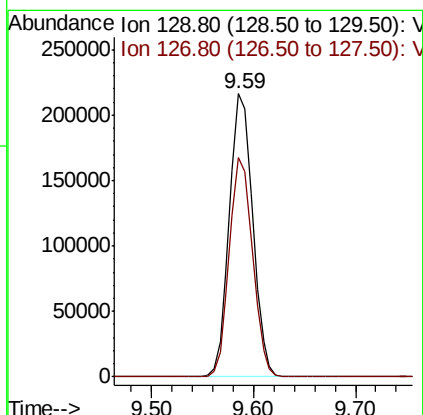
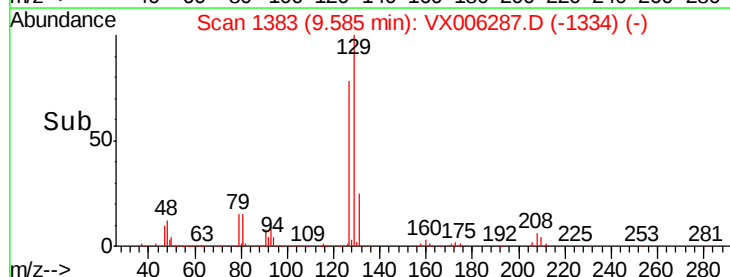
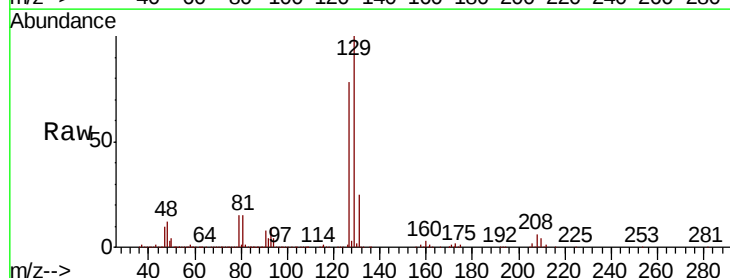
Instrument :
MSVOA_X
ClientSampleId :
S49-0483MSD

Tot Ion: 43 Resp: 1456618
Ion Ratio Lower Upper
43 100
58 55.4 27.7 83.1



#60
Dibromochloromethane
Concen: 44.603 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX006287.D
Acq: 04 Dec 2018 19:08

Tgt Ion: 129 Resp: 342970
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 45.023 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

Instrument :

MSVOA_X

ClientSampleId :

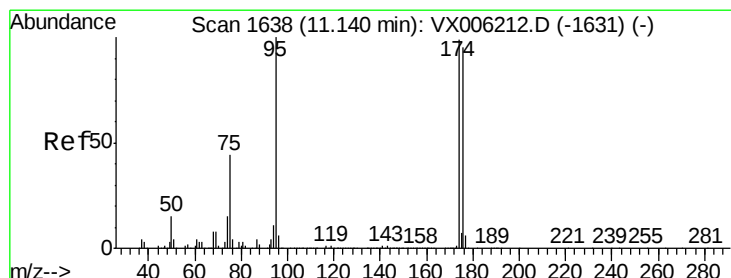
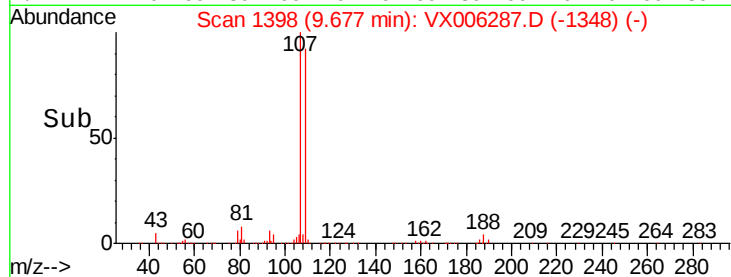
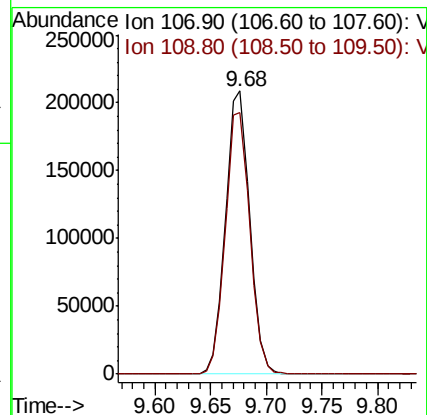
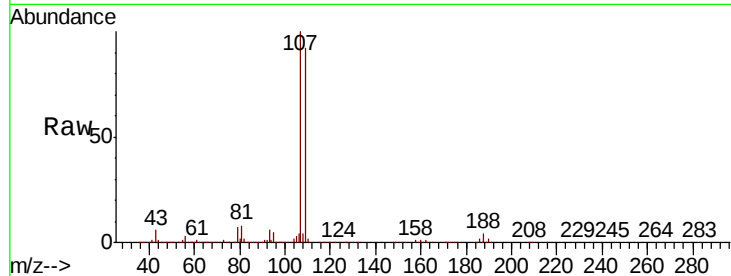
S49-0483MSD

Tot Ion:107 Resp: 313930

Ion Ratio Lower Upper

107 100

109 94.5 76.3 114.5



#62

4-Bromofluorobenzene

Concen: 52.508 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

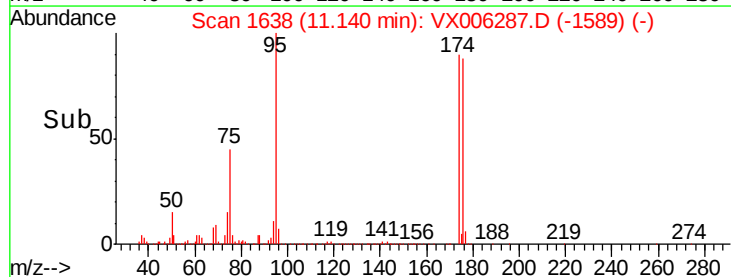
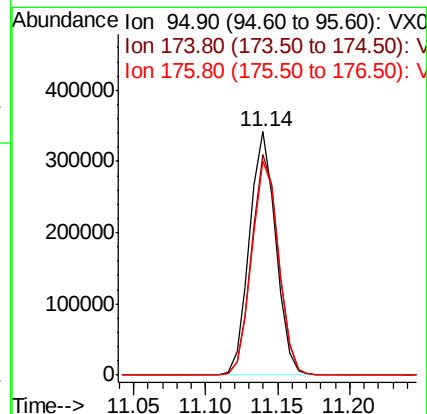
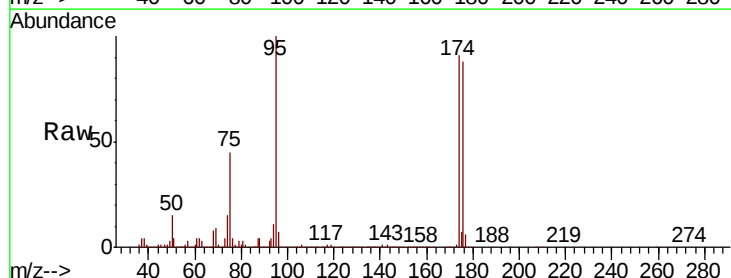
Tgt Ion: 95 Resp: 431063

Ion Ratio Lower Upper

95 100

174 91.9 0.0 187.0

176 89.7 0.0 181.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

Instrument :

MSVOA_X

ClientSampleId :

S49-0483MSD

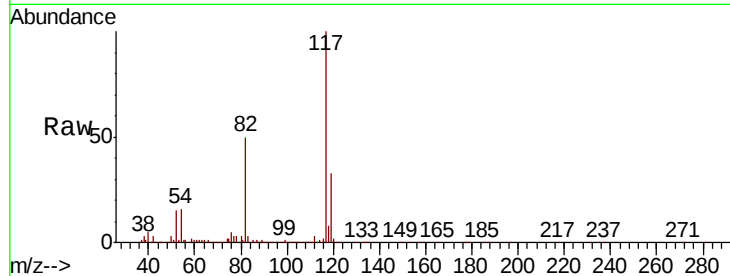
Tot Ion:117 Resp: 821299

Ion Ratio Lower Upper

117 100

82 50.4 39.6 59.4

119 32.8 26.3 39.5

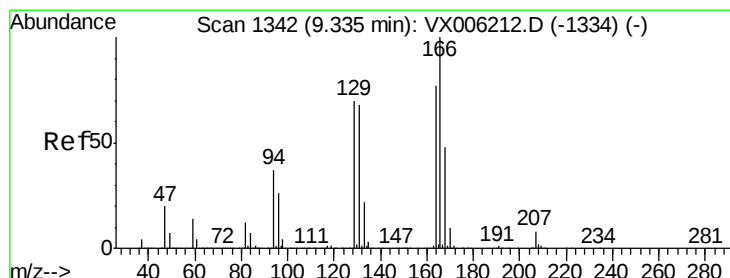
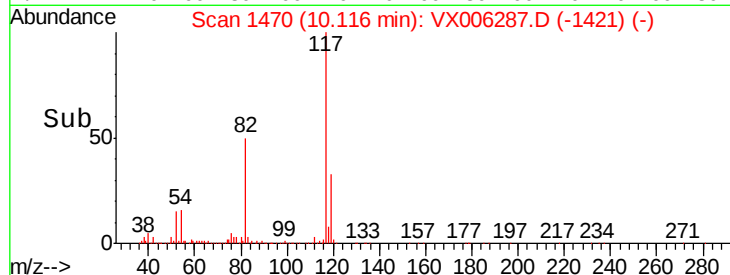
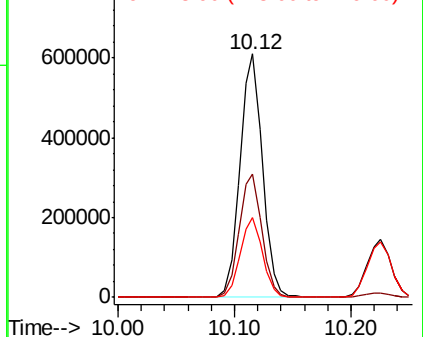


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 44.651 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

Tgt Ion:164 Resp: 276172

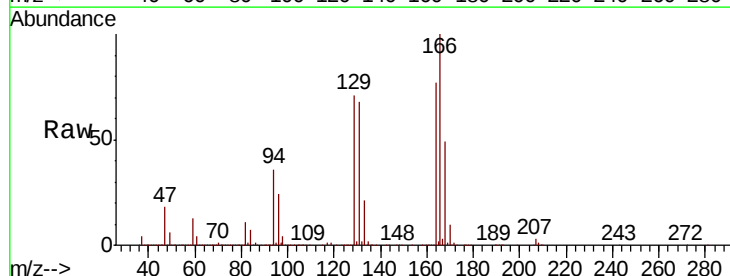
Ion Ratio Lower Upper

164 100

166 129.3 104.2 156.2

129 91.3 72.6 108.8

131 88.0 70.3 105.5



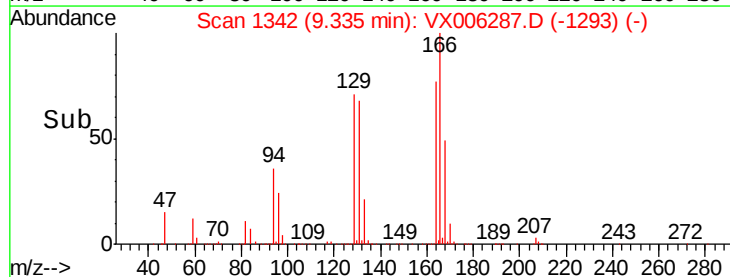
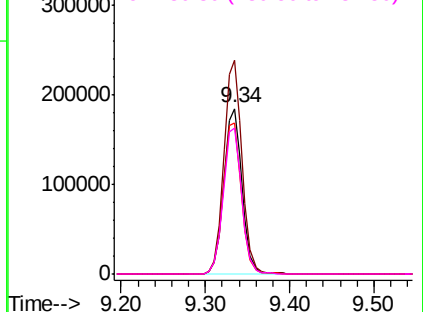
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 46.114 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

Instrument :

MSVOA_X

ClientSampleId :

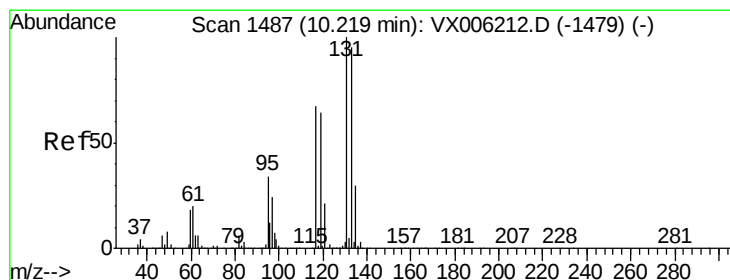
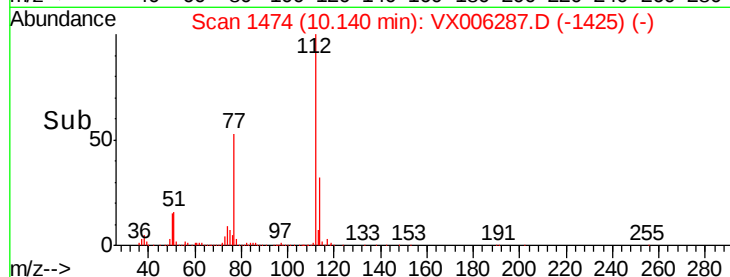
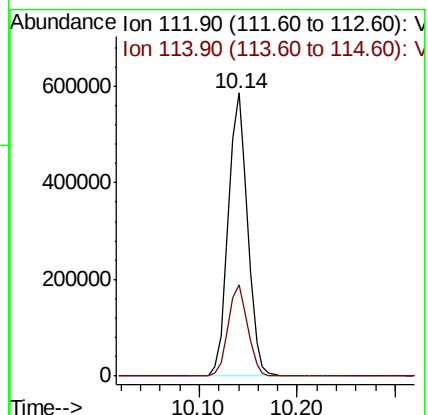
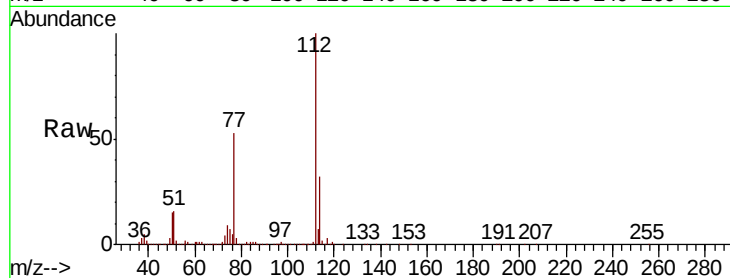
S49-0483MSD

Tot Ion:112 Resp: 803964

Ion Ratio Lower Upper

112 100

114 32.2 25.4 38.2



#66

1,1,1,2-Tetrachloroethane

Concen: 46.478 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

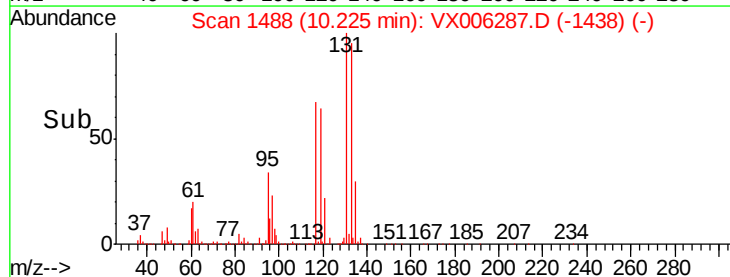
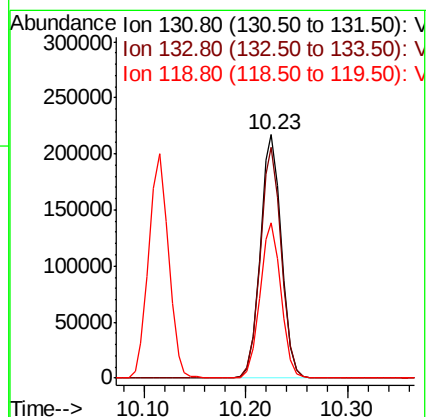
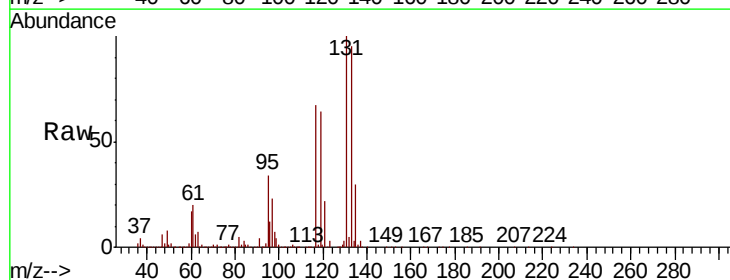
Tgt Ion:131 Resp: 314834

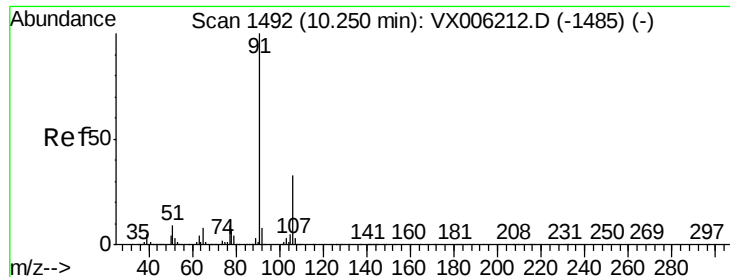
Ion Ratio Lower Upper

131 100

133 95.0 48.1 144.4

119 64.1 32.1 96.3





#67

Ethyl Benzene

Concen: 45.270 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

Instrument :

MSVOA_X

ClientSampleId :

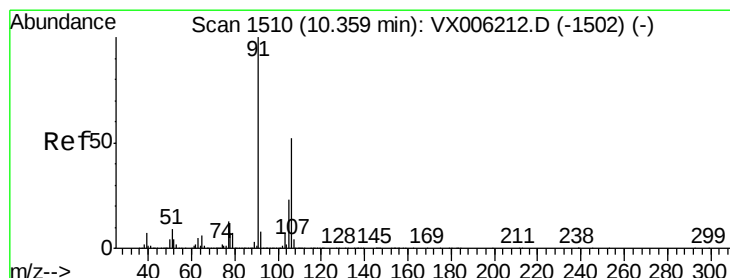
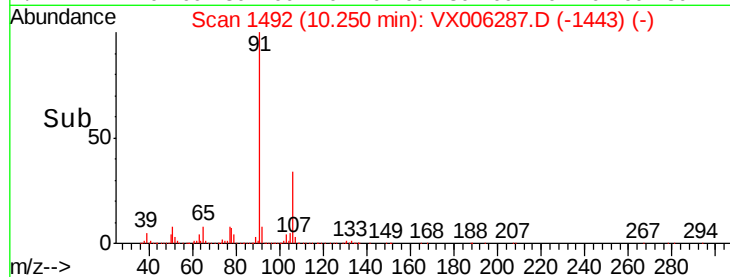
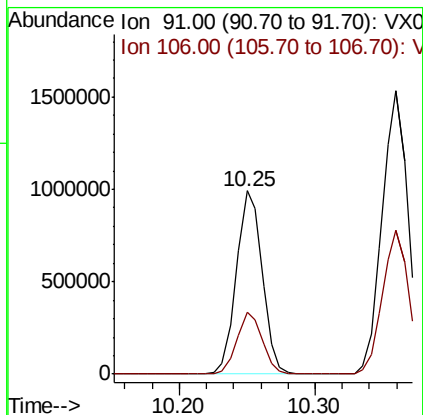
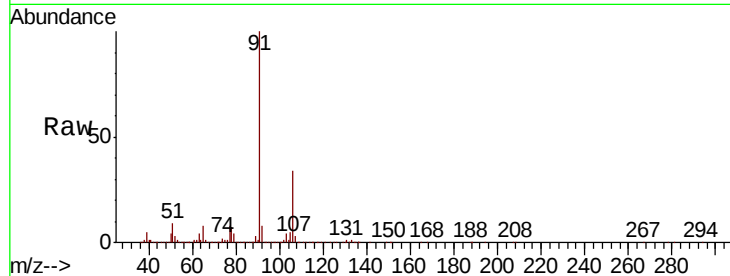
S49-0483MSD

Tot Ion: 91 Resp: 1312695

Ion Ratio Lower Upper

91 100

106 33.6 26.5 39.7



#68

m/p-Xylenes

Concen: 90.007 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006287.D

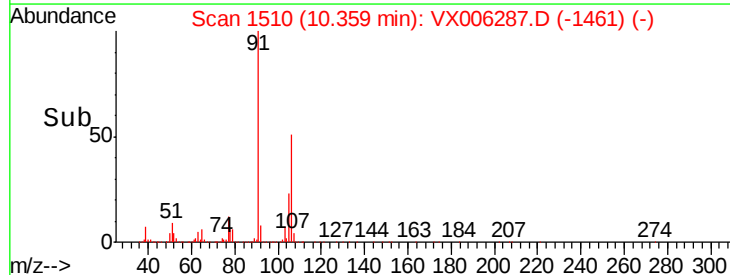
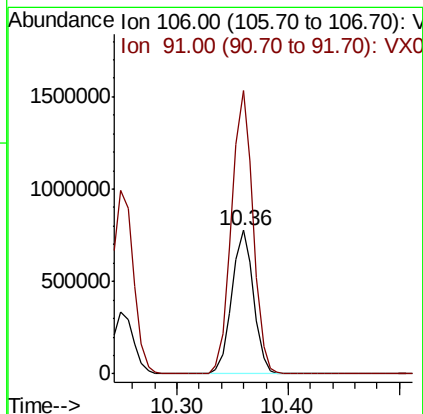
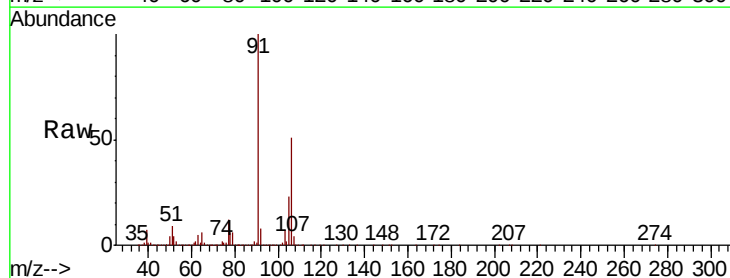
Acq: 04 Dec 2018 19:08

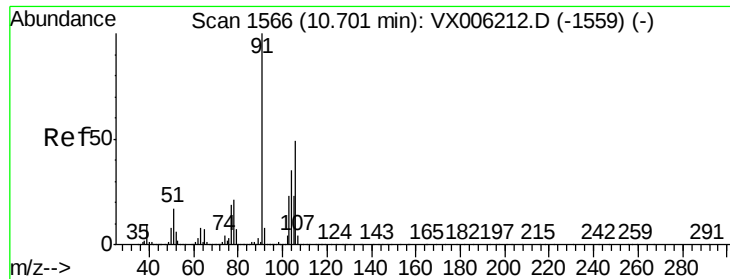
Tgt Ion: 106 Resp: 1045452

Ion Ratio Lower Upper

106 100

91 195.5 155.2 232.8

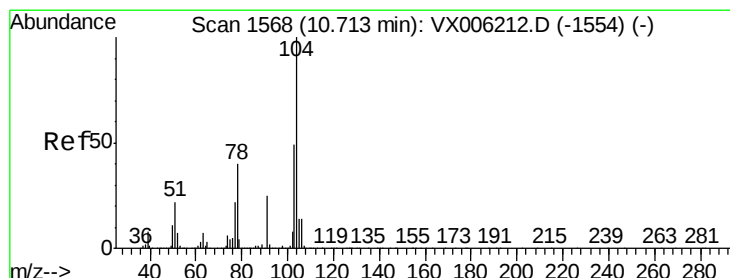
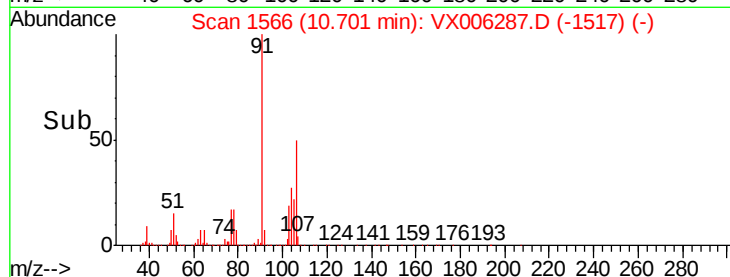
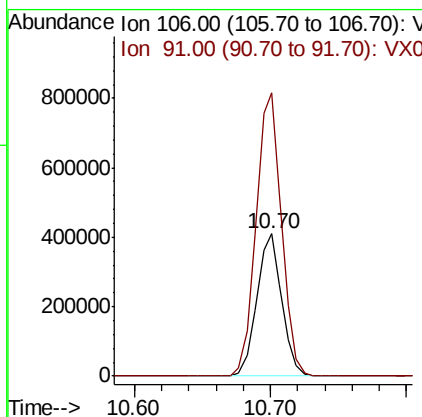
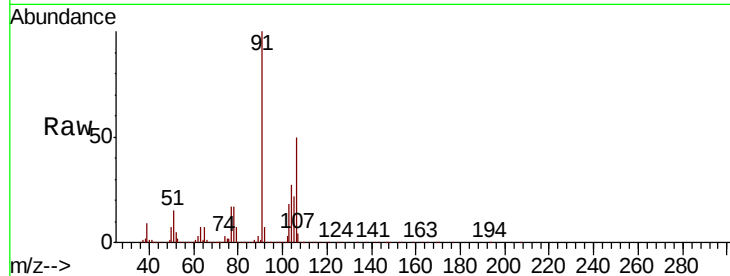




#69
o-Xylene
Concen: 45.877 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006287.D
Acq: 04 Dec 2018 19:08

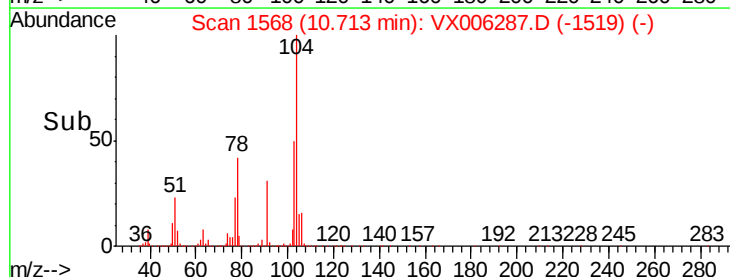
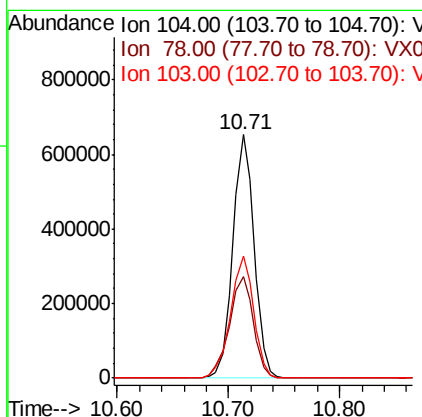
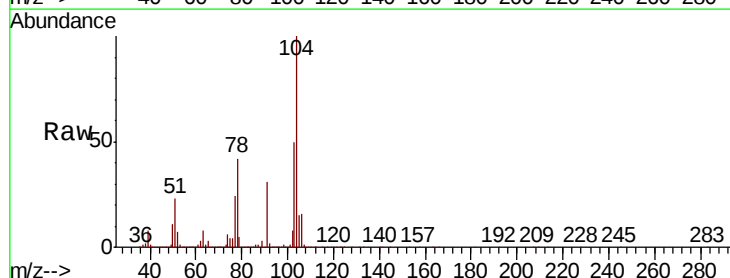
Instrument :
MSVOA_X
ClientSampleId :
S49-0483MSD

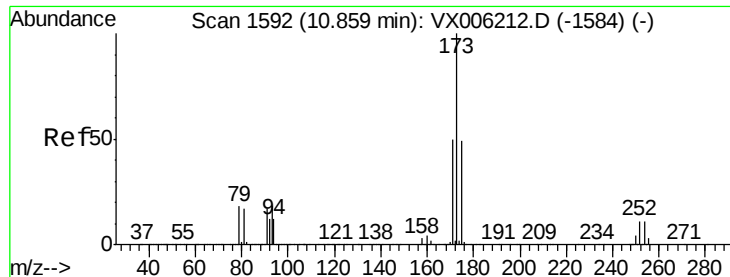
Tot Ion:106 Resp: 526349
Ion Ratio Lower Upper
106 100
91 203.6 101.8 305.6



#70
Styrene
Concen: 46.534 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006287.D
Acq: 04 Dec 2018 19:08

Tgt Ion:104 Resp: 863497
Ion Ratio Lower Upper
104 100
78 47.4 37.2 55.8
103 54.8 43.5 65.3





#71

Bromoform

Concen: 44.961 ug/l

RT: 10.87 min Scan# 1593

Delta R.T. 0.01 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

Instrument :

MSVOA_X

ClientSampled :

S49-0483MSD

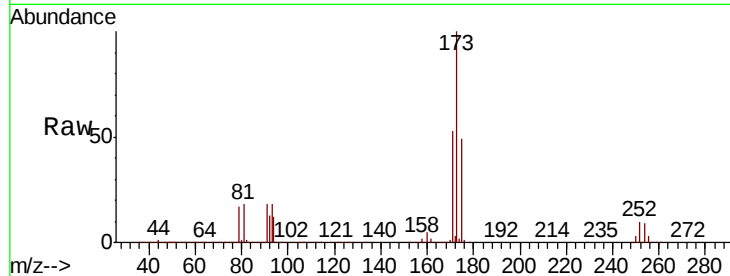
Tot Ion:173 Resp: 287502

Ion Ratio Lower Upper

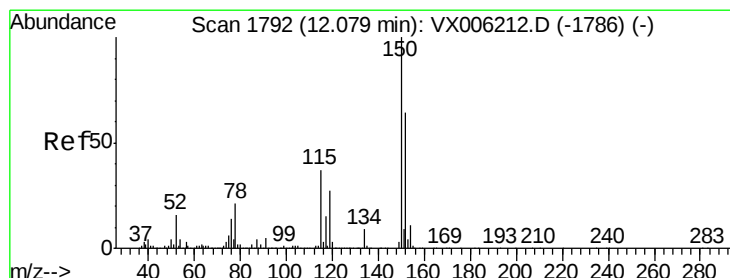
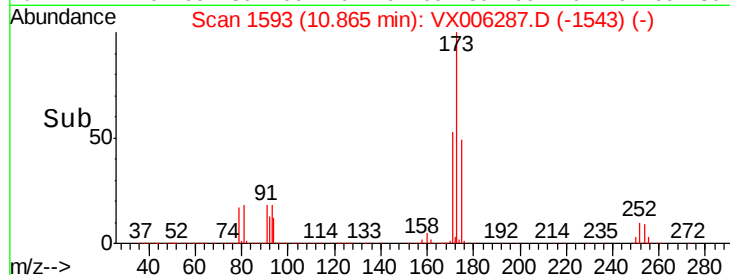
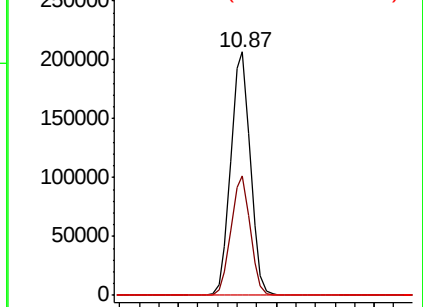
173 100

175 48.4 24.6 73.8

254 0.2 0.2 0.2



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

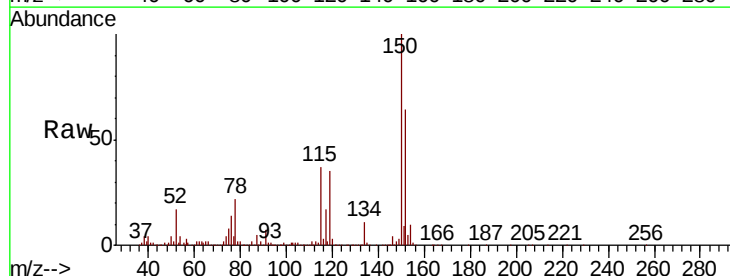
Tgt Ion:152 Resp: 468267

Ion Ratio Lower Upper

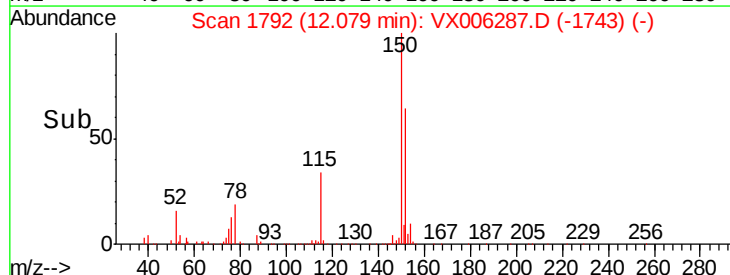
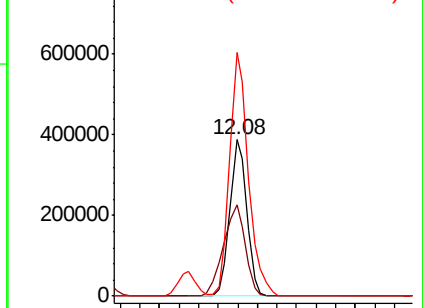
152 100

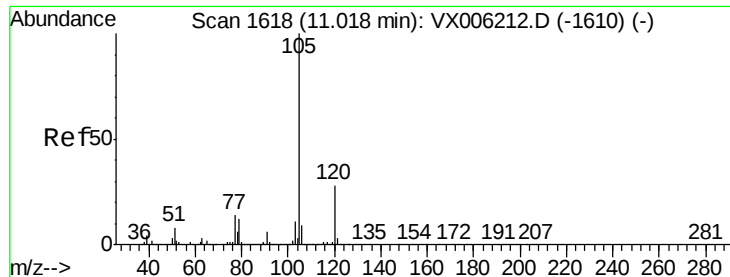
115 74.8 39.0 116.9

150 172.2 0.0 345.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 42.645 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

Instrument :

MSVOA_X

ClientSampleId :

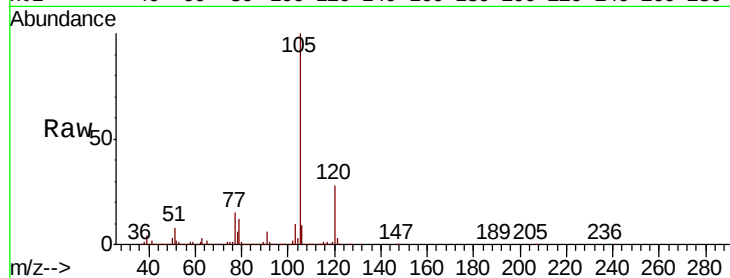
S49-0483MSD

Tot Ion:105 Resp: 1379044

Ion Ratio Lower Upper

105 100

120 28.2 14.1 42.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1200000

1000000

800000

600000

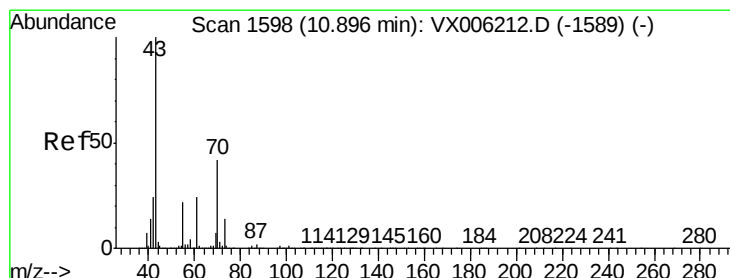
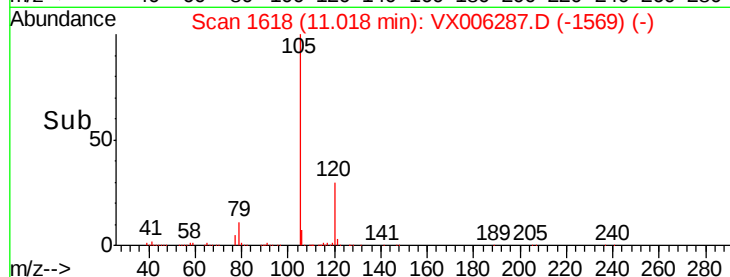
400000

200000

0

11.02

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 42.629 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.01 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

Tgt Ion: 43 Resp: 593622

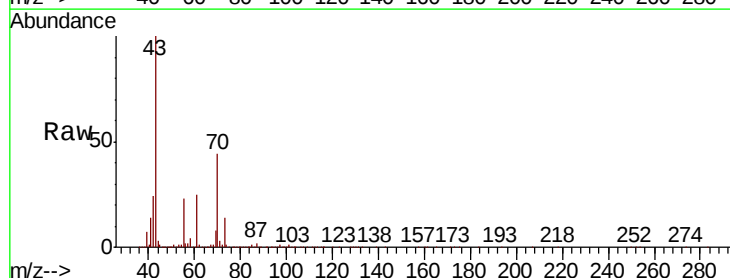
Ion Ratio Lower Upper

43 100

70 43.5 34.1 51.1

55 22.8 17.8 26.8

61 25.3 19.7 29.5



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

800000

600000

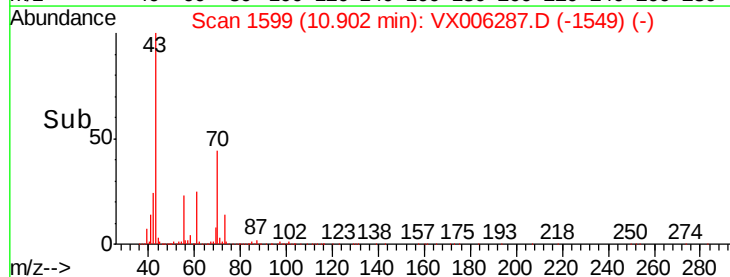
400000

200000

0

10.90

Time--> 10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 45.434 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

Instrument :

MSVOA_X

ClientSampleId :

S49-0483MSD

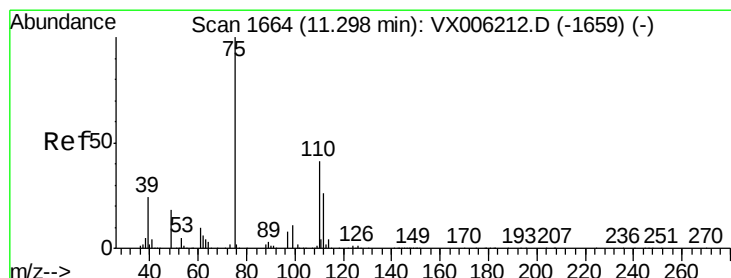
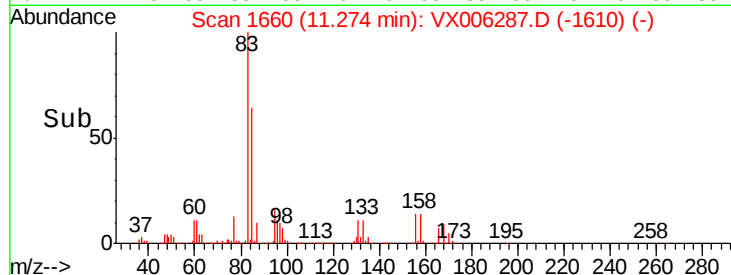
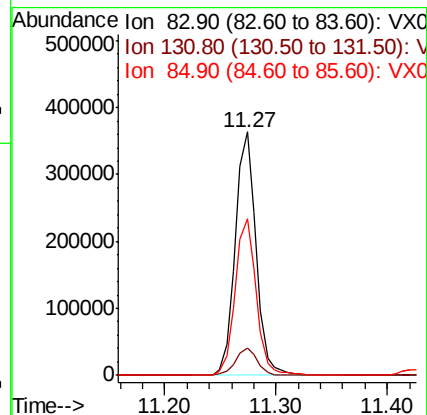
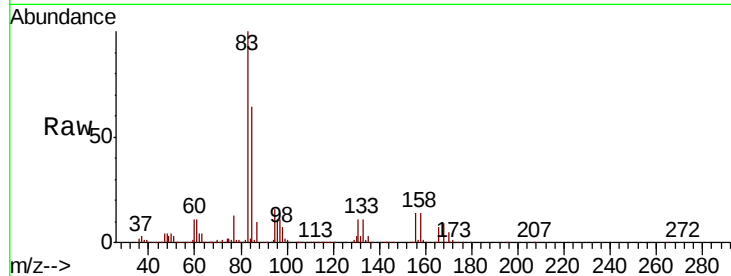
Tot Ion: 83 Resp: 470044

Ion Ratio Lower Upper

83 100

131 11.6 5.7 17.1

85 64.9 32.1 96.5



#76

1,2,3-Trichloropropane

Concen: 60.732 ug/l

RT: 11.30 min Scan# 1665

Delta R.T. 0.01 min

Lab File: VX006287.D

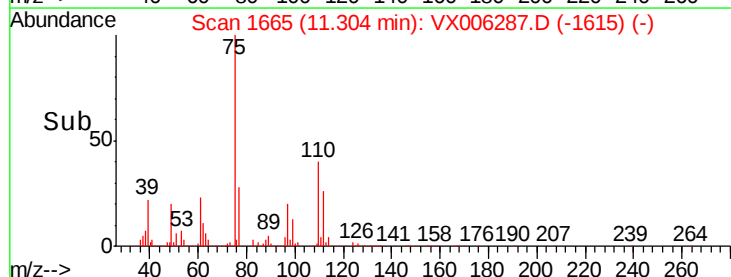
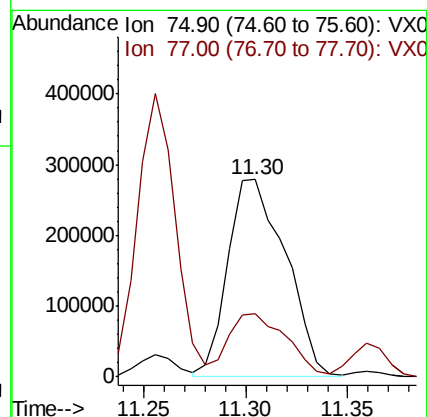
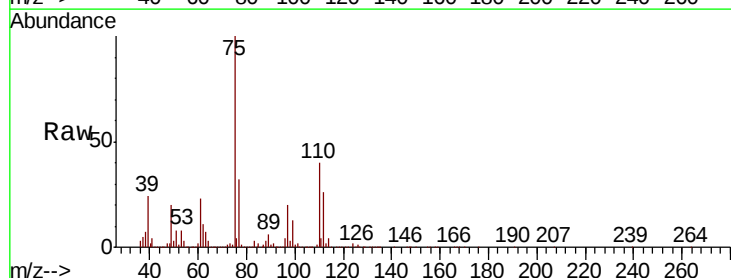
Acq: 04 Dec 2018 19:08

Tgt Ion: 75 Resp: 548916

Ion Ratio Lower Upper

75 100

77 32.2 19.9 59.7





#77

Bromobenzene

Concen: 43.201 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

Instrument :

MSVOA_X

ClientSampleId :

S49-0483MSD

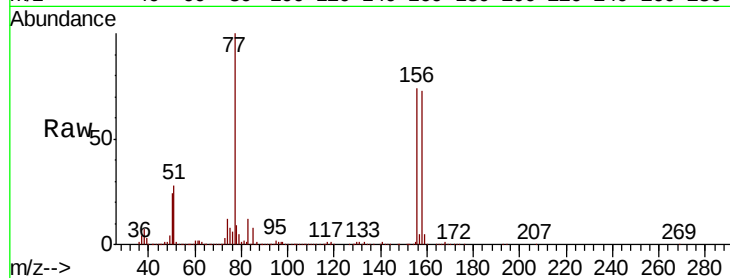
Tot Ion:156 Resp: 387701

Ion Ratio Lower Upper

156 100

77 133.7 66.2 198.6

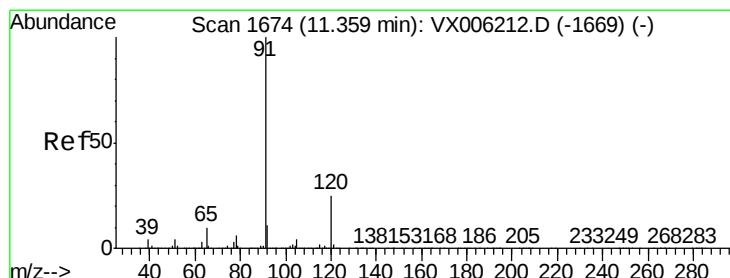
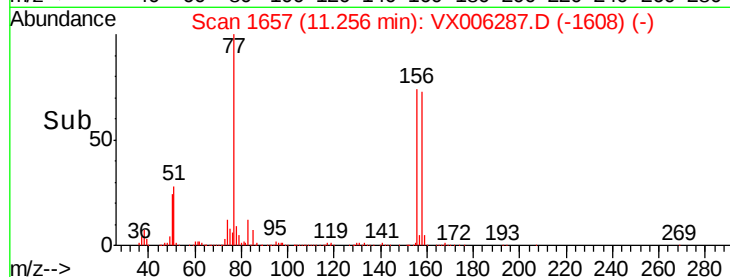
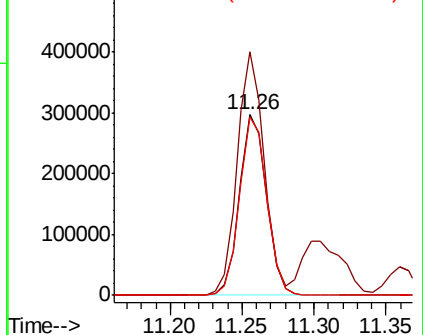
158 99.4 48.8 146.4



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: 43.281 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX006287.D

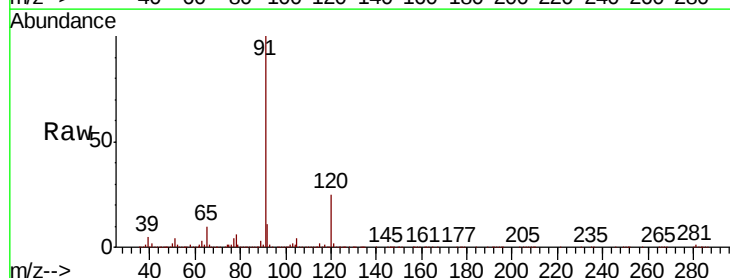
Acq: 04 Dec 2018 19:08

Tgt Ion: 91 Resp: 1555807

Ion Ratio Lower Upper

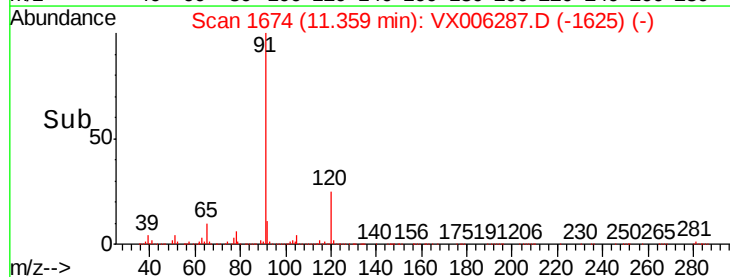
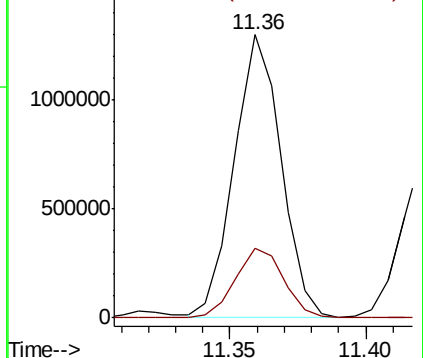
91 100

120 25.3 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 43.414 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

Instrument :

MSVOA_X

ClientSampleId :

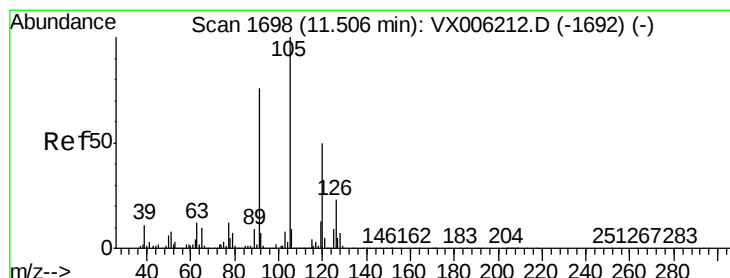
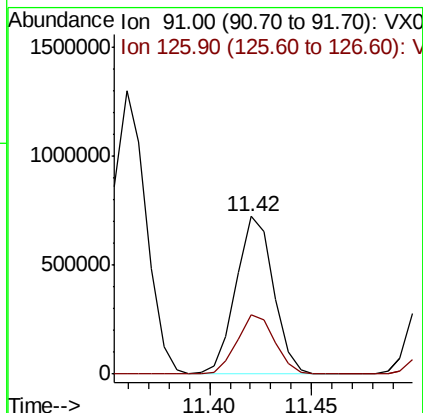
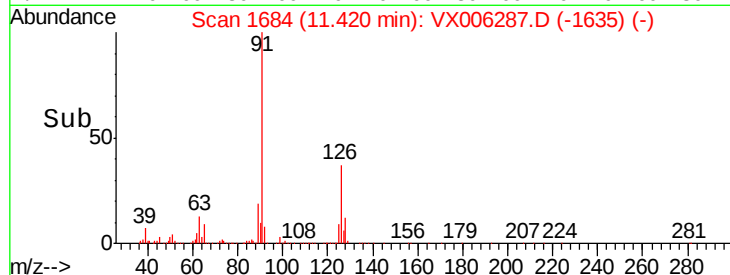
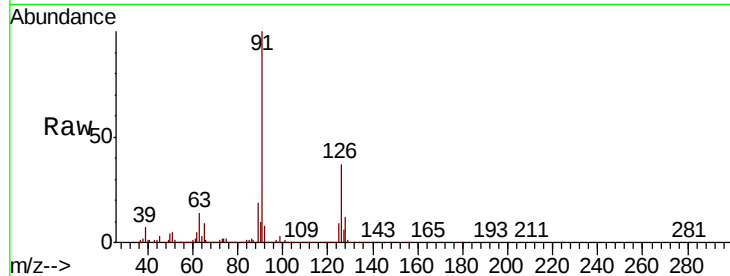
S49-0483MSD

Tot Ion: 91 Resp: 927558

Ion Ratio Lower Upper

91 100

126 37.7 18.6 56.0



#80

1,3,5-Trimethylbenzene

Concen: 43.222 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006287.D

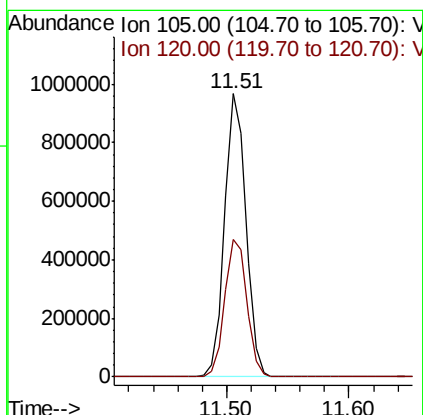
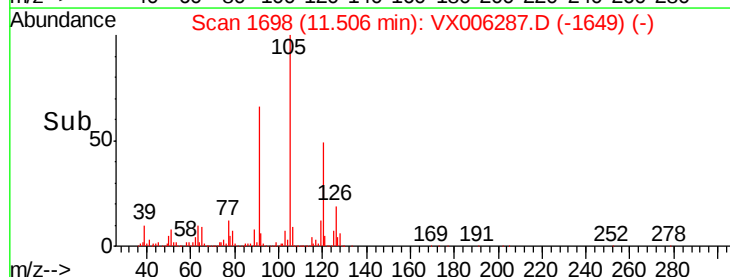
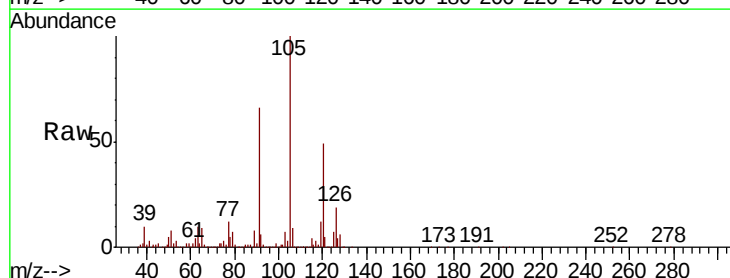
Acq: 04 Dec 2018 19:08

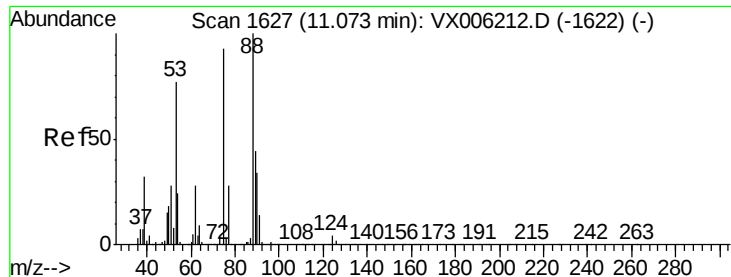
Tgt Ion: 105 Resp: 1162947

Ion Ratio Lower Upper

105 100

120 50.3 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 40.904 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. 0.01 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

Instrument :

MSVOA_X

ClientSampleId :

S49-0483MSD

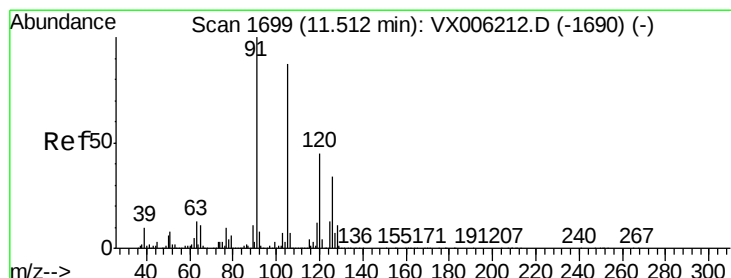
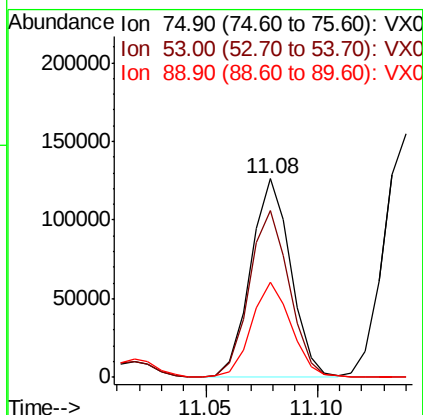
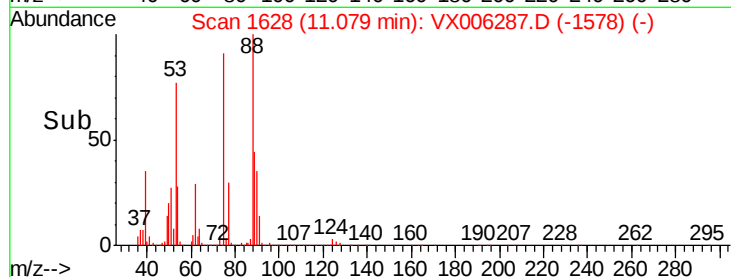
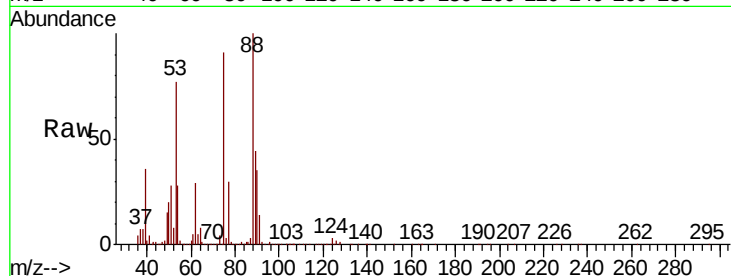
Tot Ion: 75 Resp: 157541

Ion Ratio Lower Upper

75 100

53 84.3 64.4 96.6

89 48.0 44.2 66.4



#82

4-Chlorotoluene

Concen: 43.833 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX006287.D

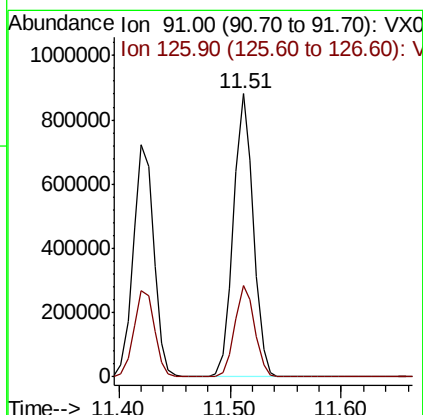
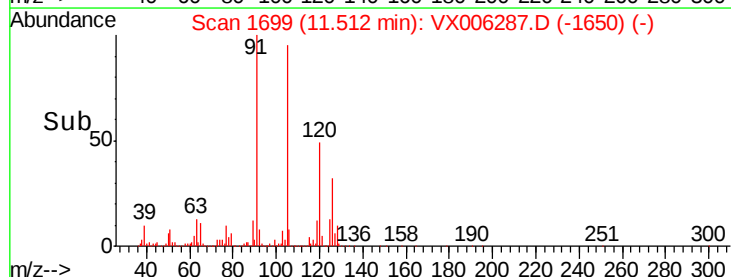
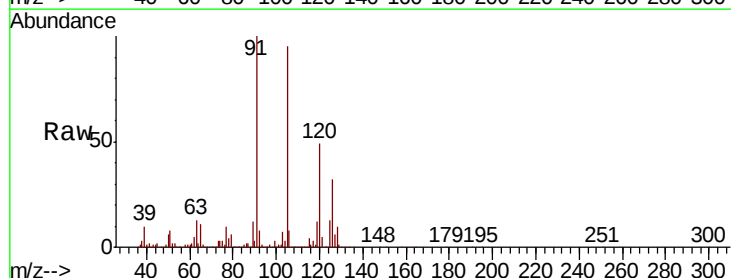
Acq: 04 Dec 2018 19:08

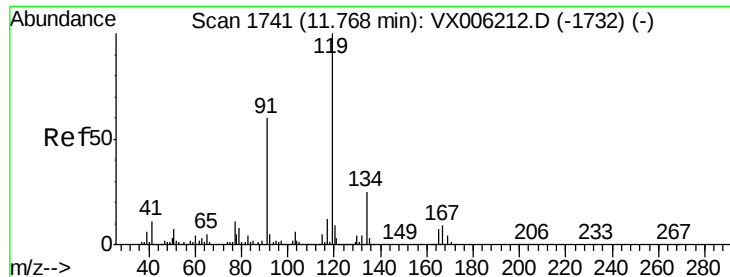
Tgt Ion: 91 Resp: 1088845

Ion Ratio Lower Upper

91 100

126 32.2 16.4 49.4

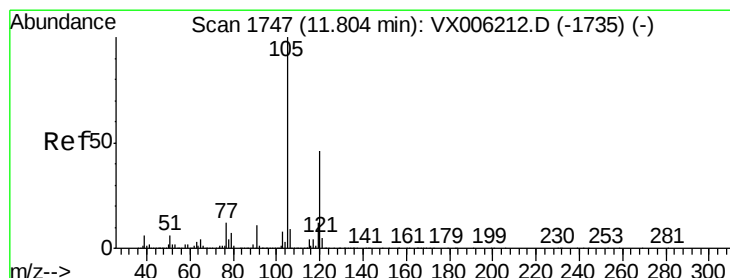
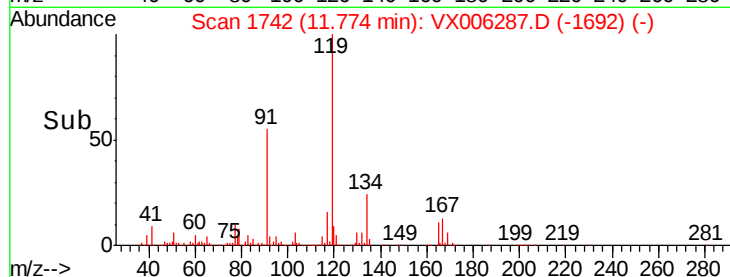
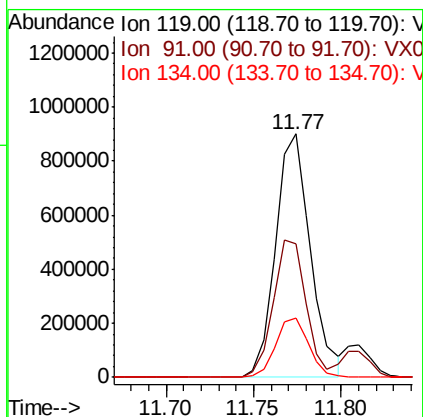
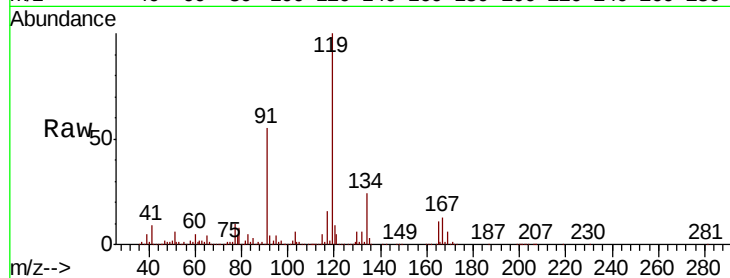




#83
 tert-Butylbenzene
 Concen: 43.459 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.01 min
 Lab File: VX006287.D
 Acq: 04 Dec 2018 19:08

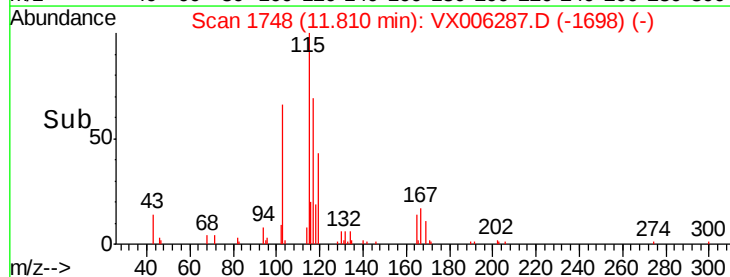
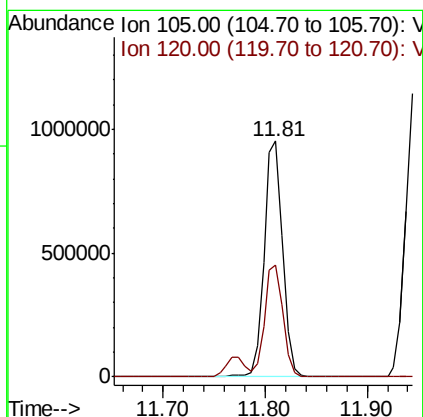
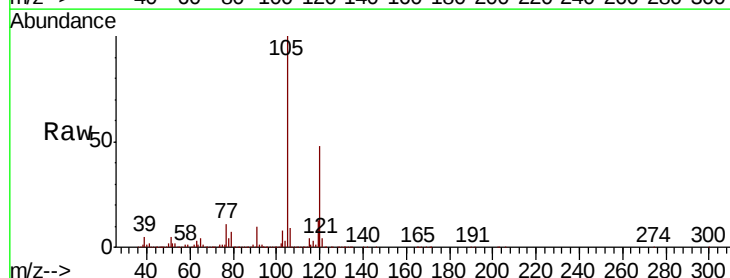
Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0483MSD

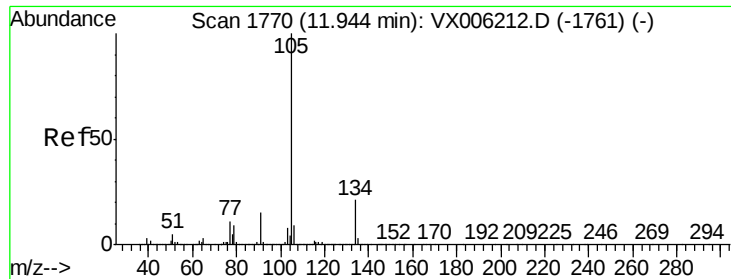
Tot Ion:119 Resp: 1247607
 Ion Ratio Lower Upper
 119 100
 91 53.0 26.4 79.2
 134 23.4 11.6 34.7



#84
 1,2,4-Trimethylbenzene
 Concen: 43.175 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.01 min
 Lab File: VX006287.D
 Acq: 04 Dec 2018 19:08

Tgt Ion:105 Resp: 1199538
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.4 70.0





#85

sec-Butylbenzene

Concen: 43.750 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

Instrument :

MSVOA_X

ClientSampleId :

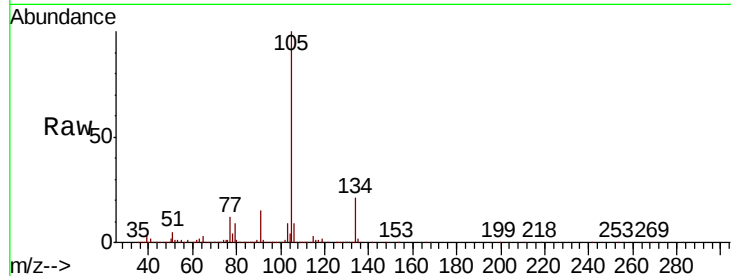
S49-0483MSD

Tot Ion:105 Resp: 1428843

Ion Ratio Lower Upper

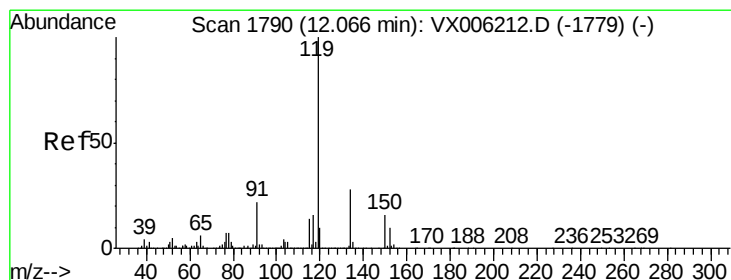
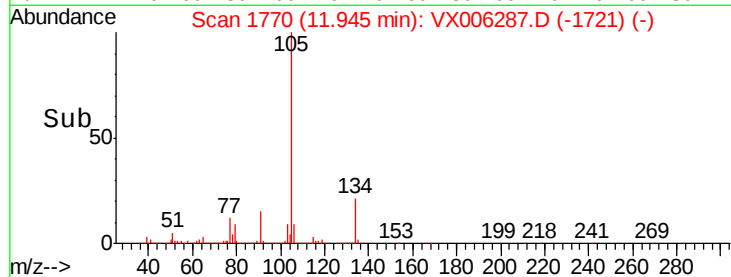
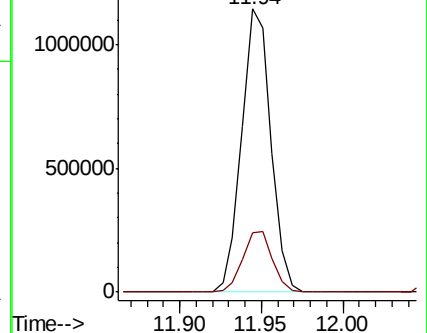
105 100

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: 44.696 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

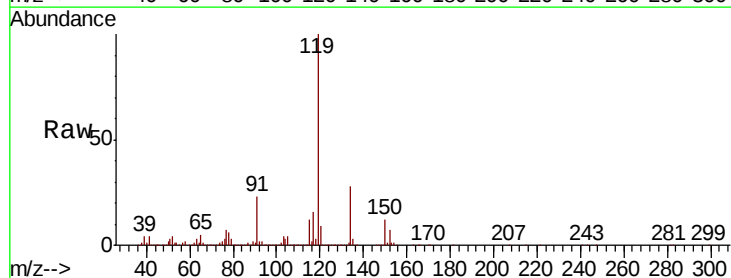
Tgt Ion:119 Resp: 1314451

Ion Ratio Lower Upper

119 100

134 27.5 13.9 41.6

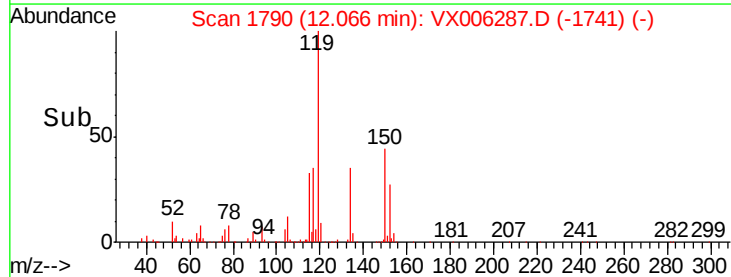
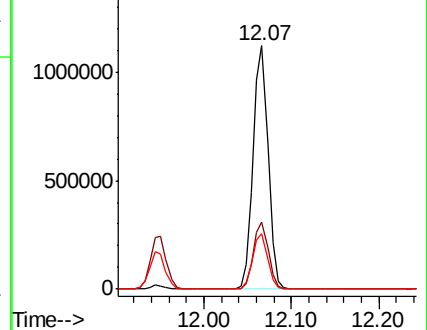
91 22.6 11.3 33.8



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

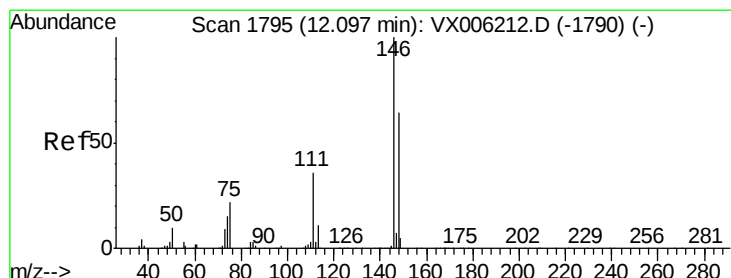
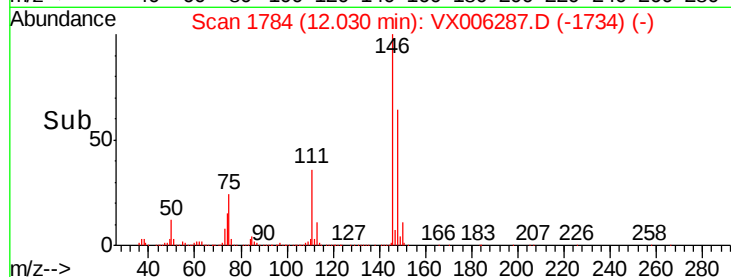
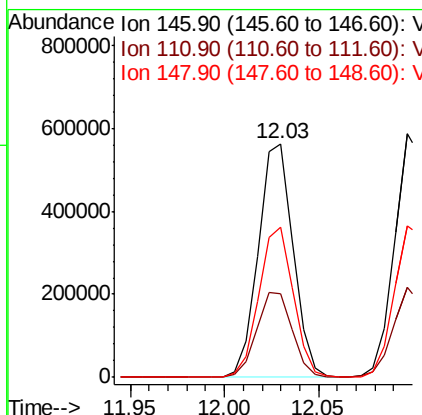
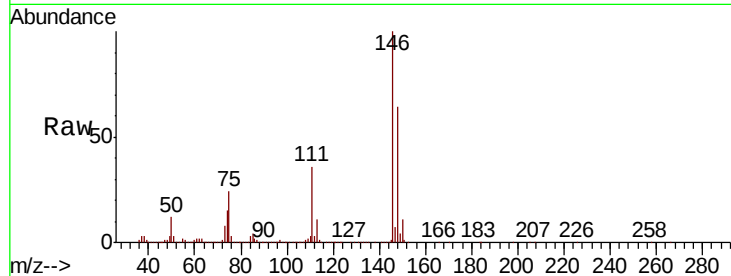




#87
 1,3-Dichlorobenzene
 Concen: 45.164 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. 0.01 min
 Lab File: VX006287.D
 Acq: 04 Dec 2018 19:08

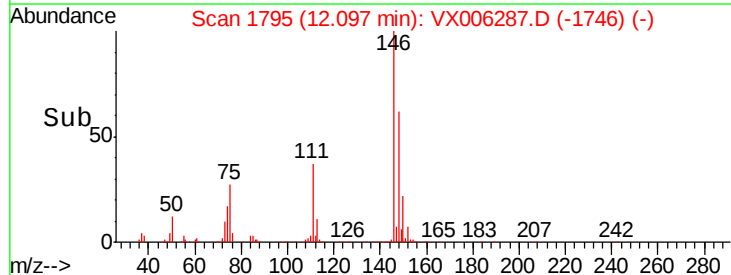
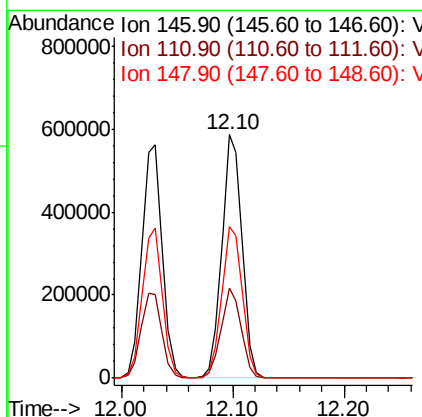
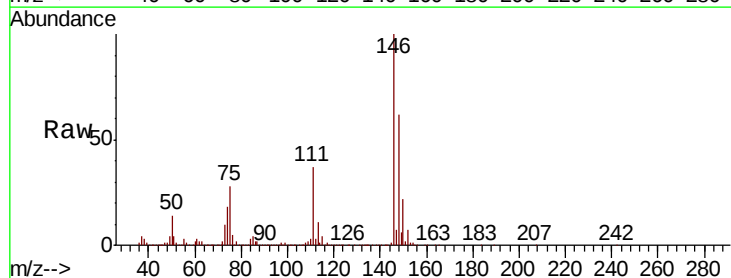
Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0483MSD

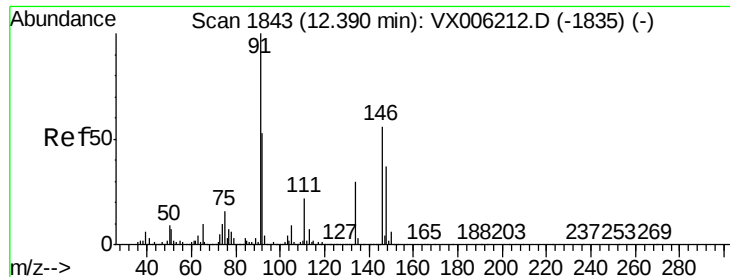
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.4	55.2
148	63.6	32.0	96.0



#88
 1,4-Dichlorobenzene
 Concen: 45.296 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX006287.D
 Acq: 04 Dec 2018 19:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.3	54.8
148	63.5	31.9	95.9

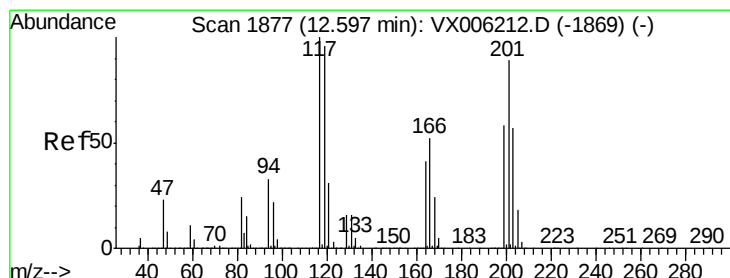
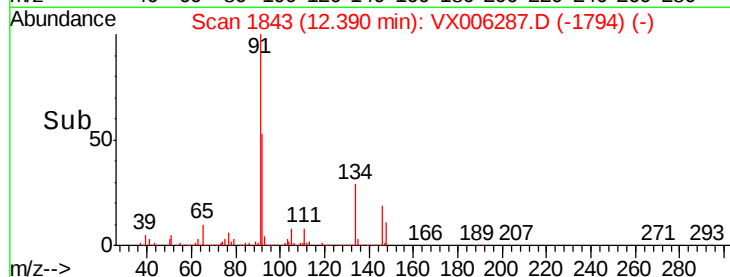
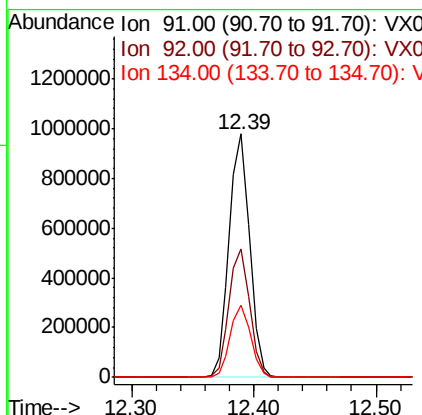
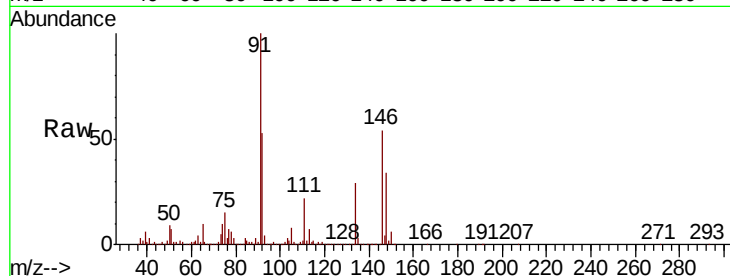




#89
n-Butylbenzene
Concen: 45.234 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX006287.D
Acq: 04 Dec 2018 19:08

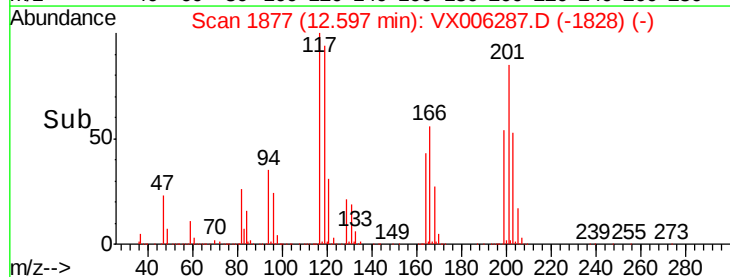
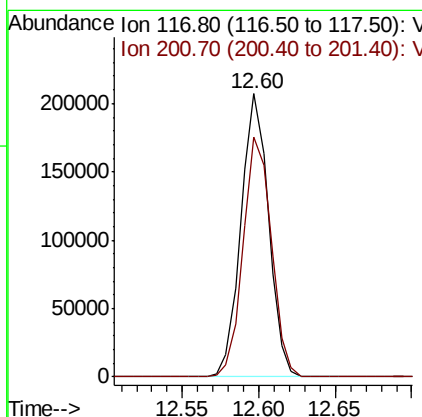
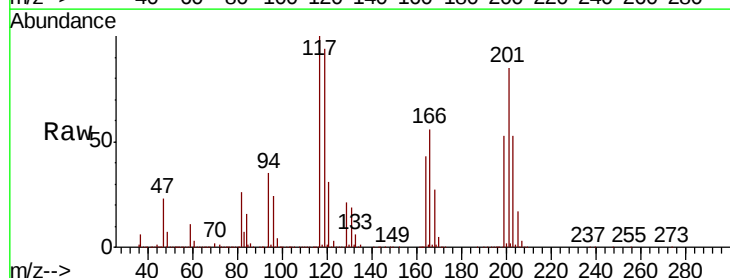
Instrument :
MSVOA_X
ClientSampleId :
S49-0483MSD

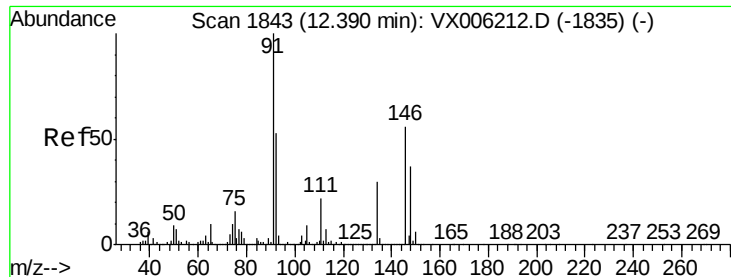
Tot Ion: 91 Resp: 1135036
Ion Ratio Lower Upper
91 100
92 53.1 26.6 79.8
134 29.4 14.8 44.3



#90
Hexachloroethane
Concen: 43.320 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006287.D
Acq: 04 Dec 2018 19:08

Tgt Ion: 117 Resp: 259648
Ion Ratio Lower Upper
117 100
201 86.8 44.7 134.1





#91

1,2-Dichlorobenzene

Concen: 46.271 ug/l

RT: 12.40 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

Instrument :

MSVOA_X

ClientSampleId :

S49-0483MSD

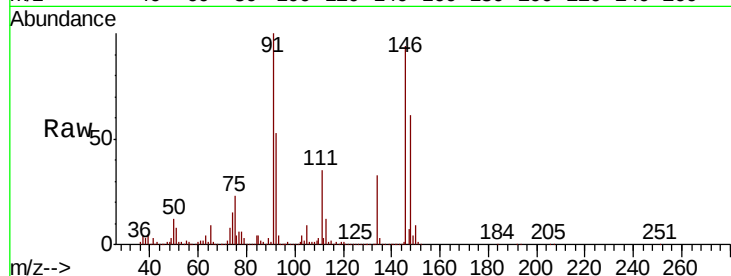
Tot Ion:146 Resp: 733319

Ion Ratio Lower Upper

146 100

111 38.8 19.1 57.3

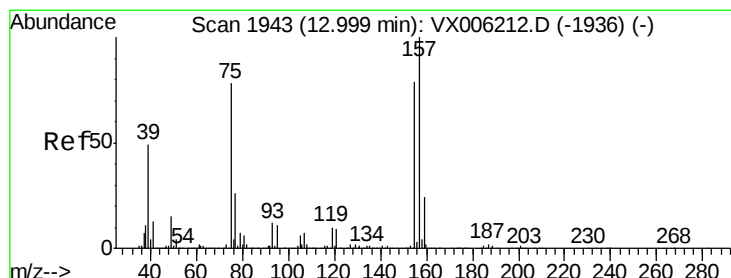
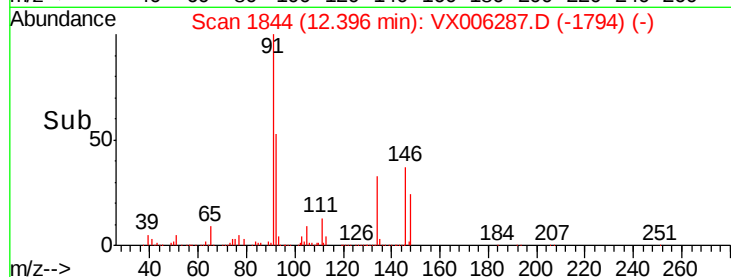
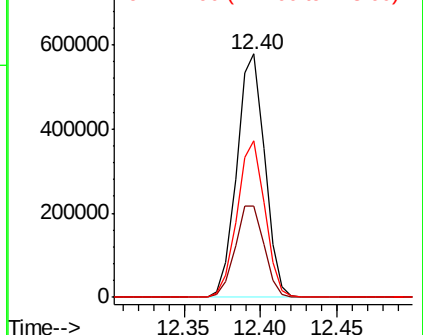
148 63.9 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 42.585 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

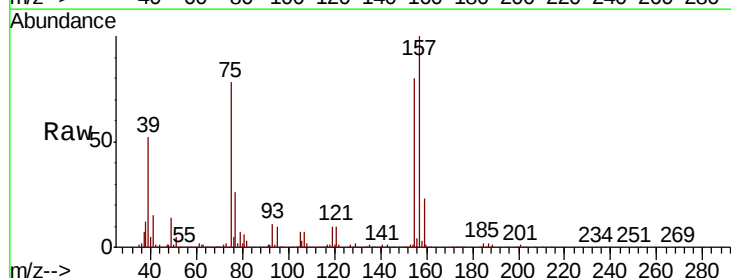
Tgt Ion: 75 Resp: 112937

Ion Ratio Lower Upper

75 100

155 103.6 53.4 160.3

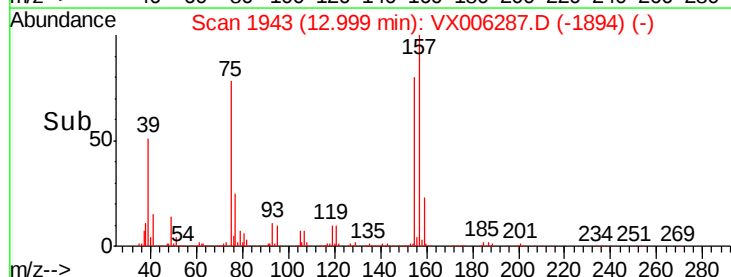
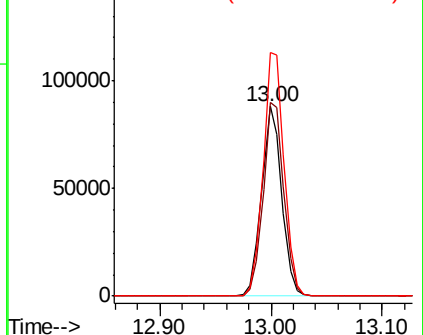
157 132.2 68.0 203.8

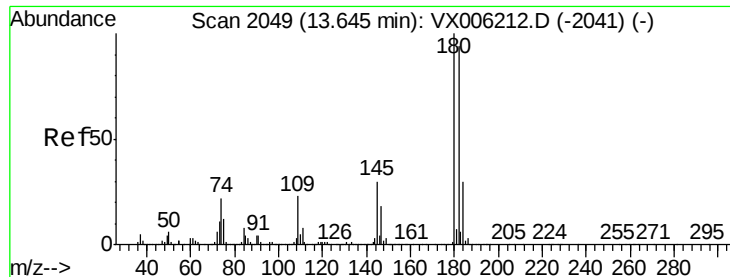


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

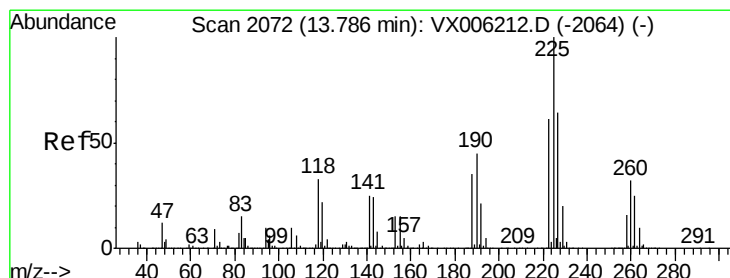
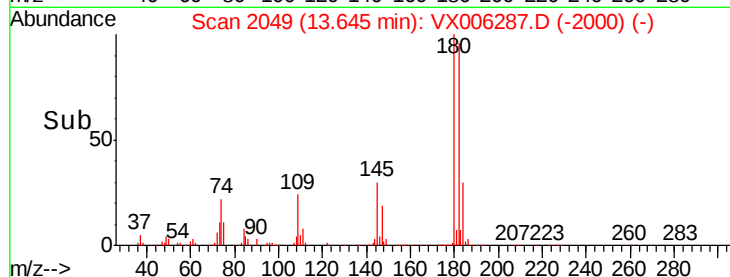
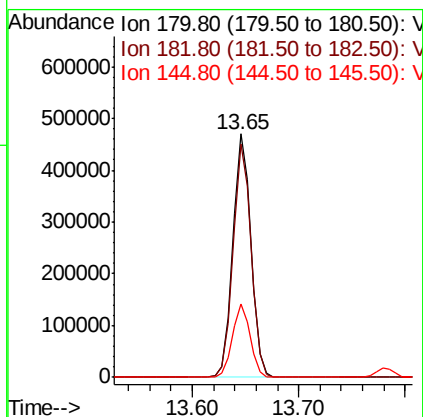
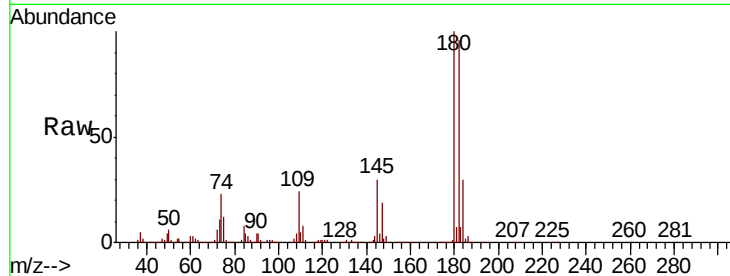




#93
 1,2,4-Trichlorobenzene
 Concen: 48.497 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX006287.D
 Acq: 04 Dec 2018 19:08

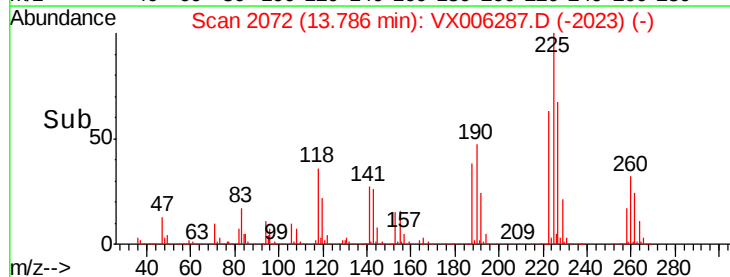
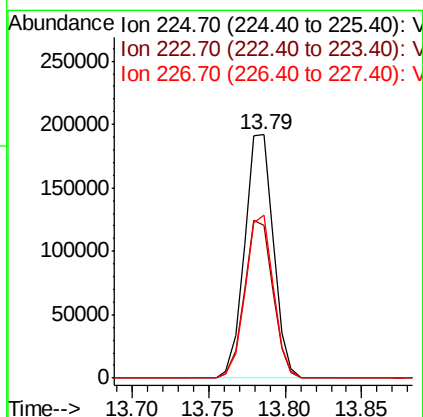
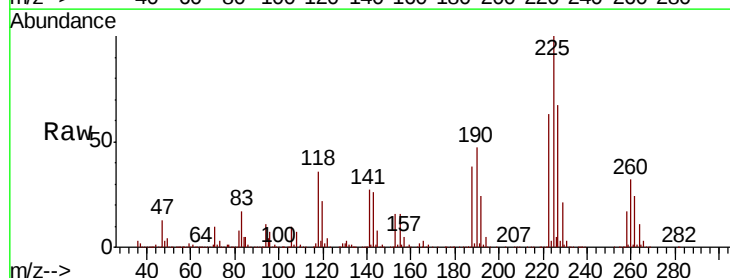
Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0483MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.3	141.9
145	29.7	14.6	43.8



#94
 Hexachlorobutadiene
 Concen: 48.862 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX006287.D
 Acq: 04 Dec 2018 19:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	31.2	93.6
227	65.0	31.9	95.5





#95

Naphthalene

Concen: 48.515 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

Instrument :

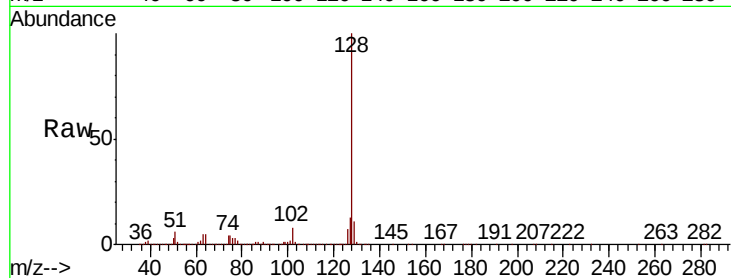
MSVOA_X

ClientSampleId :

S49-0483MSD

Tot Ion:128 Resp: 1744878

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.9	8.9	13.3

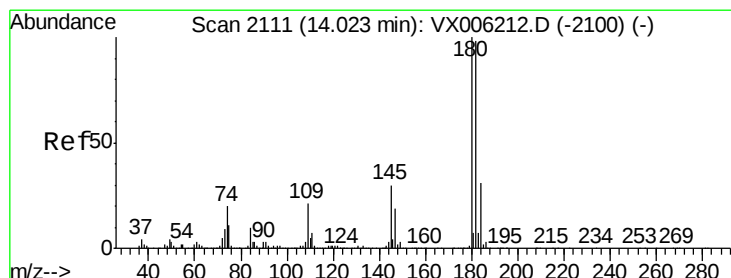
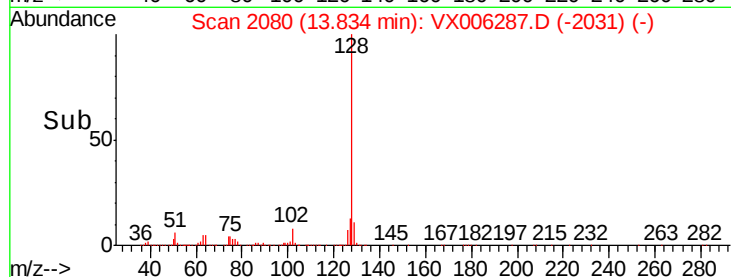
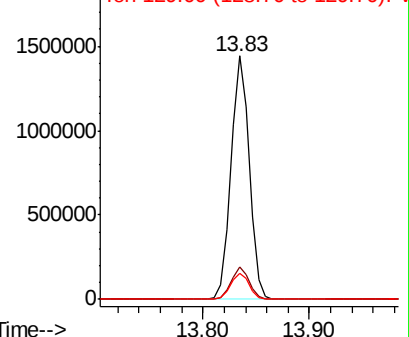


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.346 ug/l

RT: 14.02 min Scan# 2111

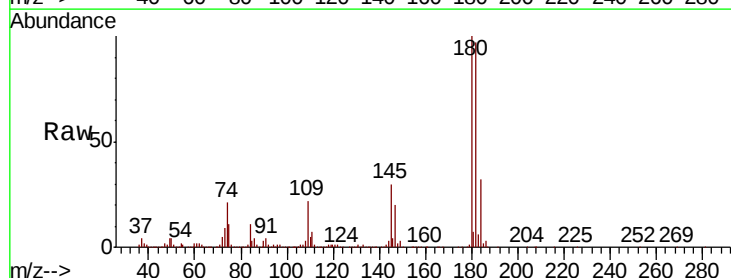
Delta R.T. 0.00 min

Lab File: VX006287.D

Acq: 04 Dec 2018 19:08

Tgt Ion:180 Resp: 565116

Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.4	145.2
145	31.4	15.6	46.8



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

