

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091118\
 Data File : VX004466.D
 Acq On : 11 Sep 2018 13:27
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/12/2018 11:26:14 AM

Quant Time: Sep 12 02:03:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 01:43:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	279519	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	354004	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	328874	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	198277	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	72245	20.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.10%	
35) Dibromofluoromethane	5.51	113	62354	19.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.50%	
50) Toluene-d8	8.72	98	205693	18.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.86%	
62) 4-Bromofluorobenzene	11.14	95	71213	18.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.72%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.20	85	55543	21.20	ug/l	93
3) Chloromethane	1.32	50	75118	20.84	ug/l	98
4) Vinyl Chloride	1.40	62	73480	19.86	ug/l	98
5) Bromomethane	1.64	94	34900	19.76	ug/l	98
6) Chloroethane	1.72	64	47355	19.79	ug/l	100
7) Trichlorofluoromethane	1.93	101	100379	20.46	ug/l	93
8) Diethyl Ether	2.19	74	45374	20.63	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	65326	20.99	ug/l	99
10) Methyl Iodide	2.51	142	65187	19.05	ug/l	97
11) Tert butyl alcohol	3.07	59	85846	99.82	ug/l	100
12) 1,1-Dichloroethene	2.37	96	58186	19.92	ug/l	92
13) Acrolein	2.29	56	29881	88.02	ug/l	96
14) Allyl chloride	2.73	41	119144	19.84	ug/l	96
15) Acrylonitrile	3.15	53	202615	97.84	ug/l	95
16) Acetone	2.45	43	164902	93.74	ug/l	94
17) Carbon Disulfide	2.57	76	169638	20.09	ug/l	97
18) Methyl Acetate	2.78	43	95438	19.34	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	198026	19.32	ug/l	92
20) Methylene Chloride	2.85	84	70005	19.40	ug/l	89
21) trans-1,2-Dichloroethene	3.17	96	61926	19.19	ug/l	99
22) Diisopropyl ether	3.87	45	214741	19.86	ug/l	96
23) Vinyl Acetate	3.82	43	871142	99.54	ug/l	99
24) 1,1-Dichloroethane	3.69	63	119571	19.58	ug/l	97
25) 2-Butanone	4.70	43	258520	92.34	ug/l	92
26) 2,2-Dichloropropane	4.58	77	81871	19.52	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	72738	20.19	ug/l	97
28) Bromochloromethane	5.02	49	60045	21.50	ug/l	95
29) Tetrahydrofuran	5.16	42	167606	99.27	ug/l	97
30) Chloroform	5.21	83	119537	20.05	ug/l	95
31) Cyclohexane	5.57	56	106837	20.49	ug/l	86
32) 1,1,1-Trichloroethane	5.49	97	96832	20.17	ug/l	98
36) 1,1-Dichloropropene	5.80	75	87159	20.28	ug/l	98
37) Ethyl Acetate	4.86	43	96724	19.79	ug/l	100
38) Carbon Tetrachloride	5.79	117	84522	20.14	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	88138	19.65	ug/l	97
40) Benzene	6.15	78	262932	20.62	ug/l	98
41) Methacrylonitrile	5.06	41	53527	19.87	ug/l	99
42) 1,2-Dichloroethane	6.20	62	85433	20.20	ug/l	99
43) Isopropyl Acetate	6.46	43	124314	19.15	ug/l	98
44) Trichloroethene	7.21	130	65719	19.84	ug/l	95
45) 1,2-Dichloropropane	7.52	63	61495	20.04	ug/l	97
46) Dibromomethane	7.66	93	38429	19.82	ug/l	97
47) Bromodichloromethane	7.90	83	72843	19.87	ug/l	99
48) Methyl methacrylate	7.78	41	64269	20.00	ug/l	97
49) 1,4-Dioxane	7.76	88	30949	406.98	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	429804	93.81	ug/l	96
52) Toluene	8.79	92	157532	20.97	ug/l	93
53) t-1,3-Dichloropropene	9.04	75	84710	19.78	ug/l	91
54) cis-1,3-Dichloropropene	8.44	75	86962	19.92	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	65980	20.40	ug/l	95
56) Ethyl methacrylate	9.18	69	92870	20.29	ug/l	99
57) 1,3-Dichloropropane	9.38	76	104688	19.92	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	213593	101.74	ug/l	96
59) 2-Hexanone	9.50	43	326214	92.83	ug/l	99
60) Dibromochloromethane	9.58	129	60031	19.71	ug/l	98
61) 1,2-Dibromoethane	9.68	107	60512	19.58	ug/l	100
64) Tetrachloroethene	9.34	164	84620	20.61	ug/l	98
65) Chlorobenzene	10.14	112	163148	19.97	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	55779	19.80	ug/l	99
67) Ethyl Benzene	10.26	91	270599	20.37	ug/l	97
68) m/p-Xylenes	10.36	106	213045	41.64	ug/l	96
69) o-Xylene	10.70	106	99631	20.25	ug/l	97
70) Styrene	10.71	104	169127	20.75	ug/l	98
71) Bromoform	10.86	173	44887	19.41	ug/l #	99
73) Isopropylbenzene	11.02	105	273222	20.92	ug/l	99
74) N-amyl acetate	10.90	43	108306	19.71	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	82312	19.54	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	80653m	20.82	ug/l	
77) Bromobenzene	11.26	156	73309	20.31	ug/l	98
78) n-propylbenzene	11.36	91	314106	20.92	ug/l	99
79) 2-Chlorotoluene	11.42	91	187848	20.63	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	231163	21.06	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.08	75	24068	19.23	ug/l	99
82) 4-Chlorotoluene	11.51	91	222010	20.89	ug/l	99
83) tert-Butylbenzene	11.77	119	212819	20.36	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	237532	21.19	ug/l	99
85) sec-Butylbenzene	11.95	105	277522	20.84	ug/l	98
86) p-Isopropyltoluene	12.07	119	248549	21.13	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	134189	19.93	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	136998	19.69	ug/l	98
89) n-Butylbenzene	12.39	91	212763	19.85	ug/l	97
90) Hexachloroethane	12.60	117	36241	19.25	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	133706	19.62	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	18006	20.02	ug/l	99

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ClientSampleId :
VSTDICC020

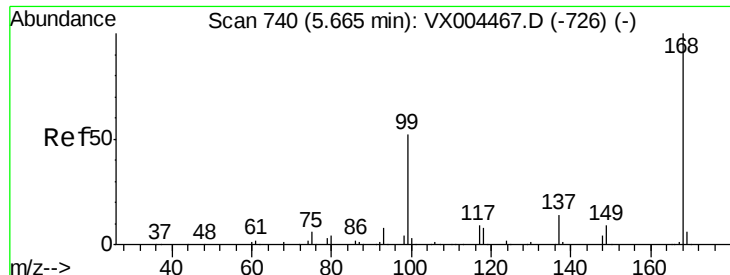
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Wed Sep 12 01:43:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	96434	19.98	ug/l	98
94) Hexachlorobutadiene	13.79	225	49206	19.52	ug/l	98
95) Naphthalene	13.83	128	275787	20.37	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	99439	20.06	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 279519

Ion Ratio Lower Upper

168 100

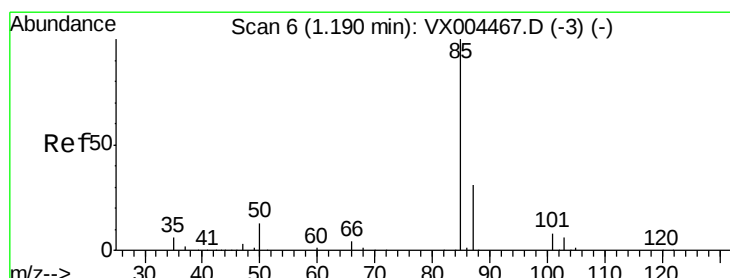
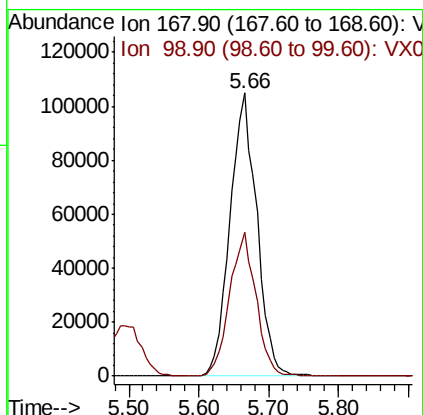
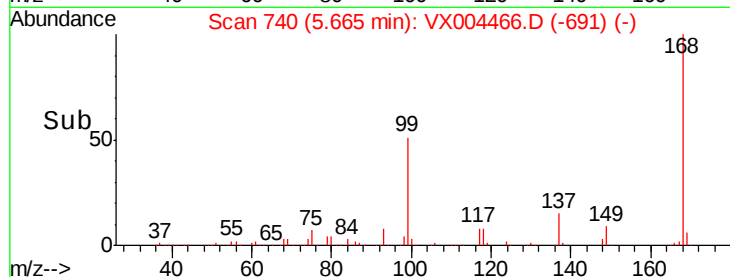
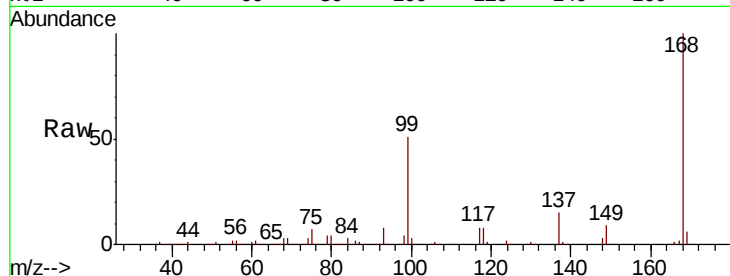
99 51.0 39.9 59.9

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#2

Dichlorodifluoromethane

Concen: 21.20 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004466.D

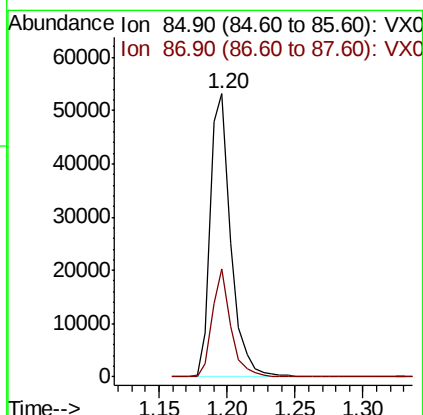
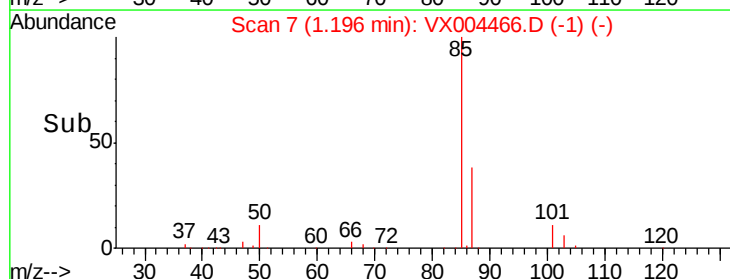
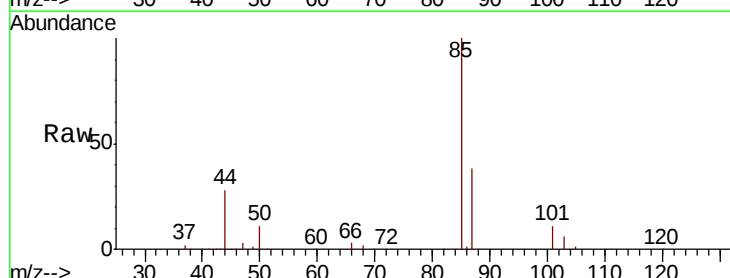
Acq: 11 Sep 2018 13:27

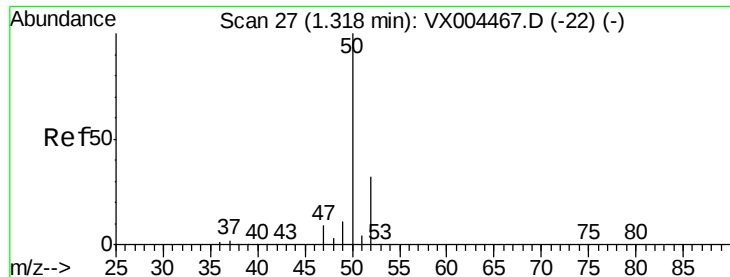
Tgt Ion: 85 Resp: 55543

Ion Ratio Lower Upper

85 100

87 38.1 17.0 50.9





#3

Chloromethane

Concen: 20.84 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 75118

Ion Ratio Lower Upper

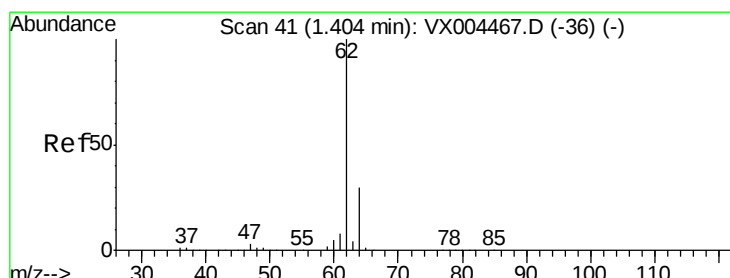
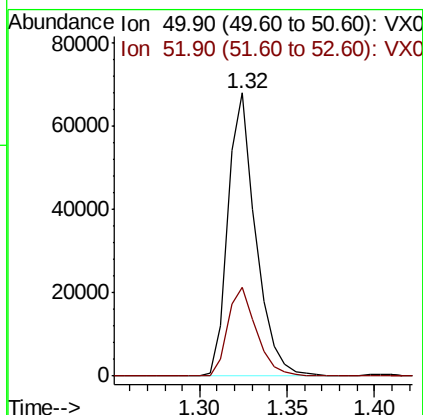
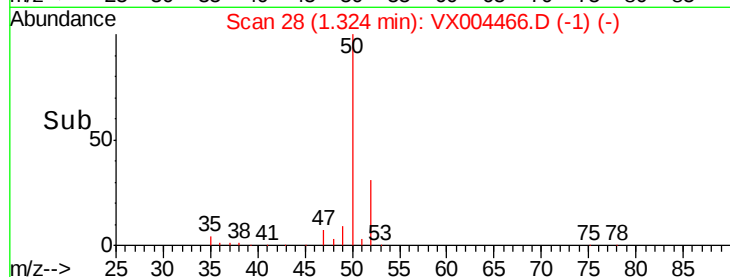
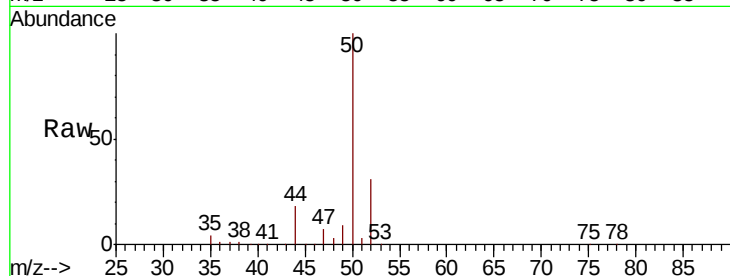
50 100

52 31.3 26.2 39.2

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#4

Vinyl Chloride

Concen: 19.86 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004466.D

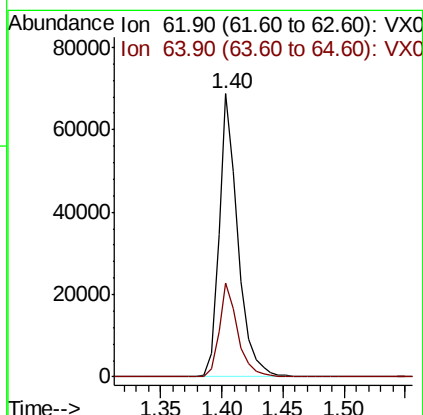
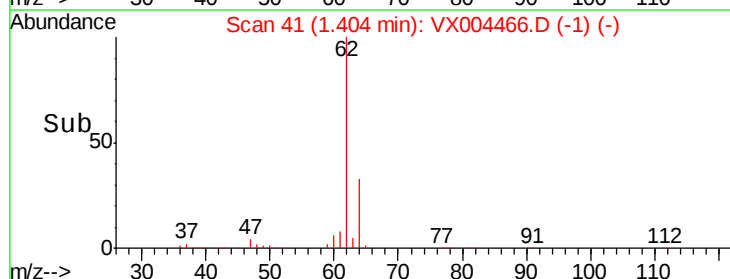
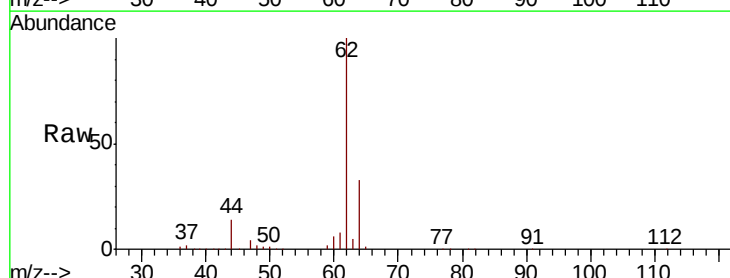
Acq: 11 Sep 2018 13:27

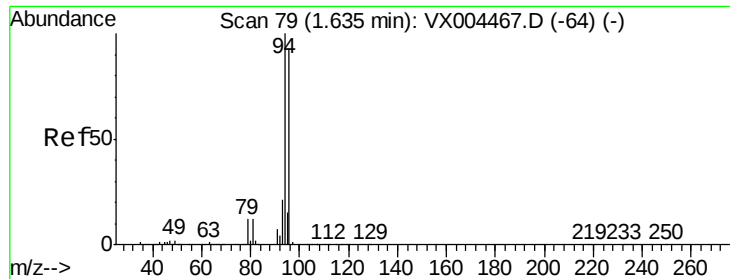
Tgt Ion: 62 Resp: 73480

Ion Ratio Lower Upper

62 100

64 33.4 25.8 38.8





#5

Bromomethane

Concen: 19.76 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 34900

Ion Ratio Lower Upper

94 100

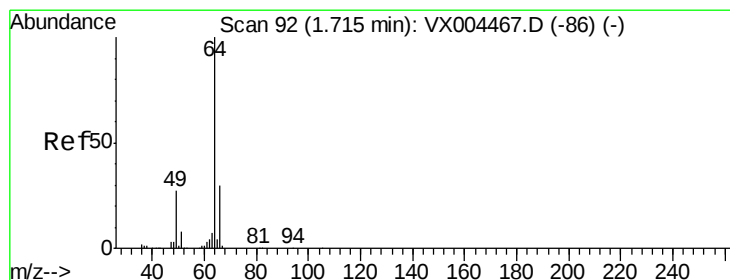
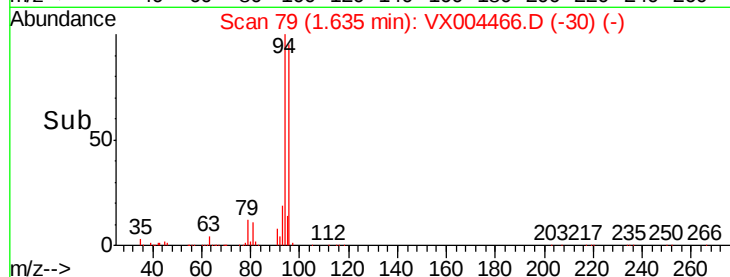
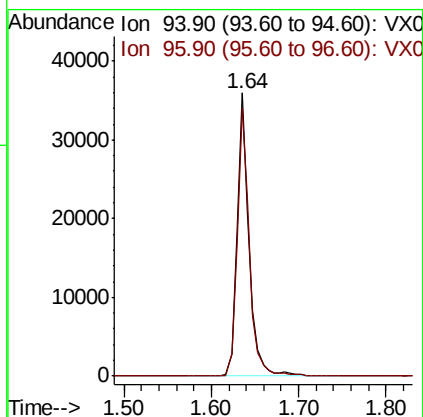
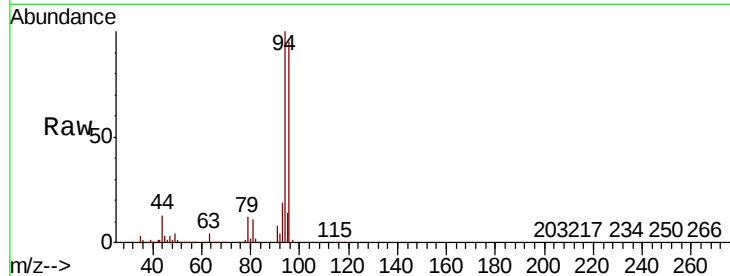
96 94.6 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 19.79 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004466.D

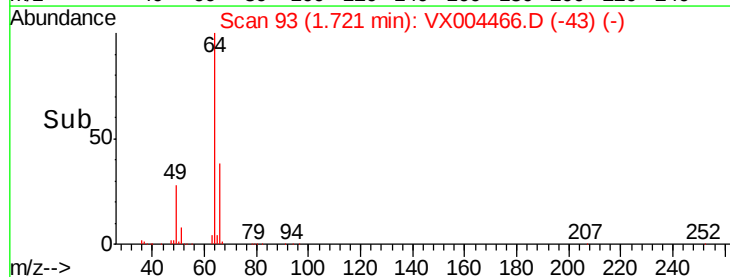
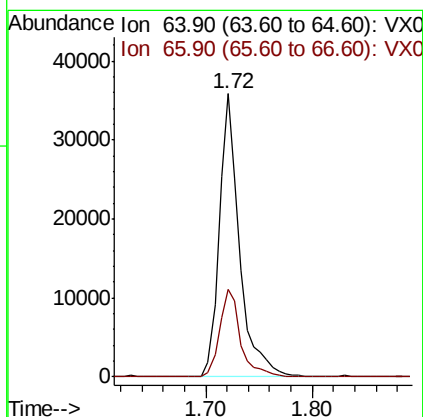
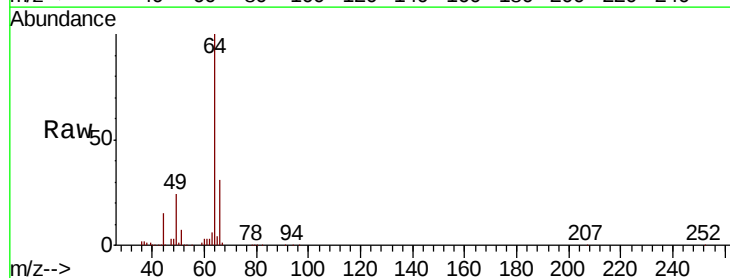
Acq: 11 Sep 2018 13:27

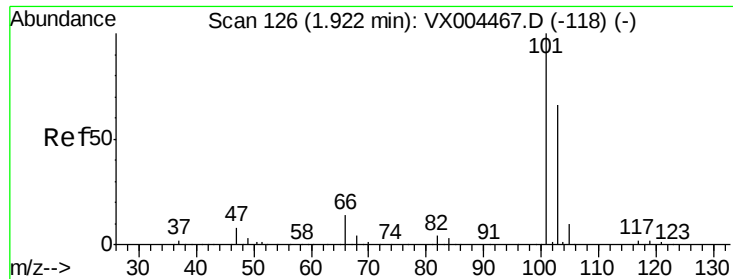
Tgt Ion: 64 Resp: 47355

Ion Ratio Lower Upper

64 100

66 31.0 24.6 36.8





#7

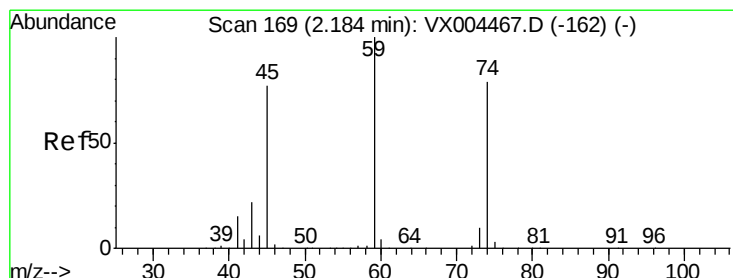
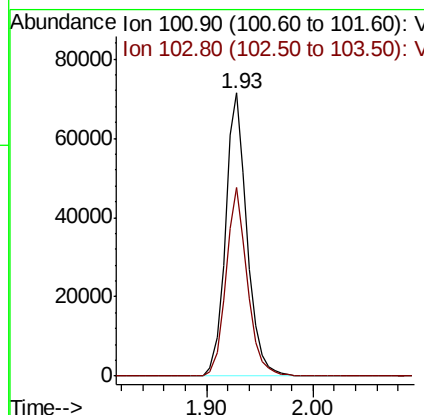
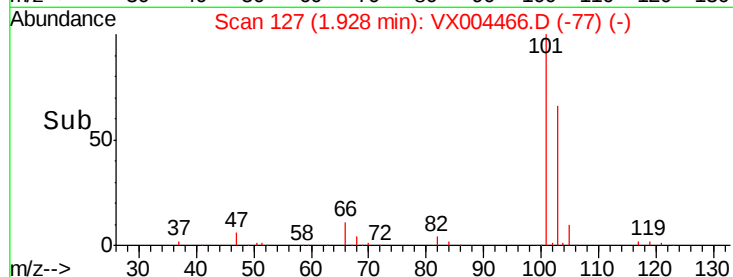
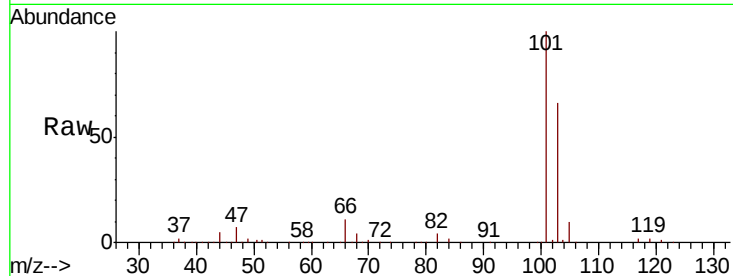
Trichlorofluoromethane
 Concen: 20.46 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX004466.D
 Acq: 11 Sep 2018 13:27

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
100379	101	100			
	103	66.5	48.9	73.3	

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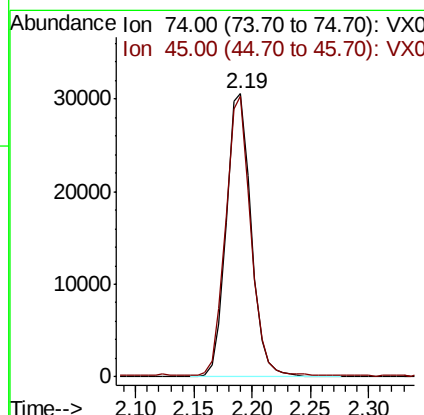
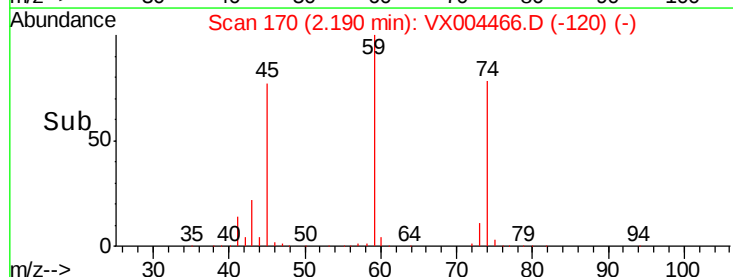
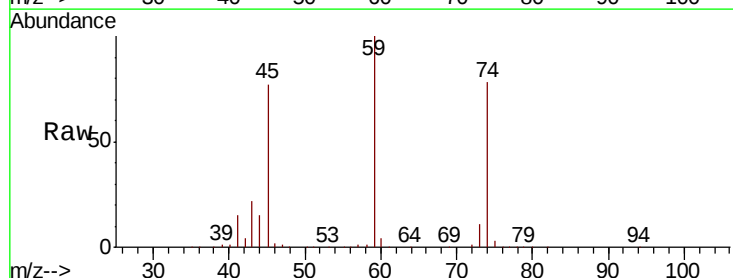
MMDadoda
 9/12/2018 11:26:14 AM

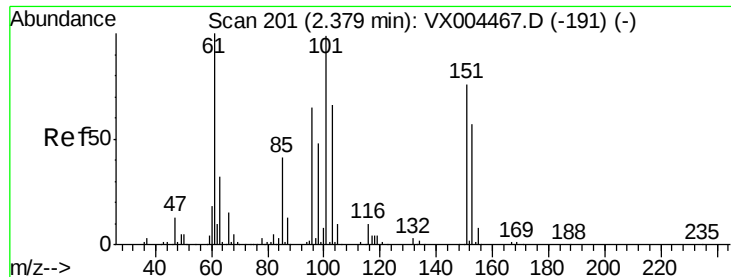


#8

Diethyl Ether
 Concen: 20.63 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX004466.D
 Acq: 11 Sep 2018 13:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
45374	74	100			
	45	98.5	48.3	144.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.99 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

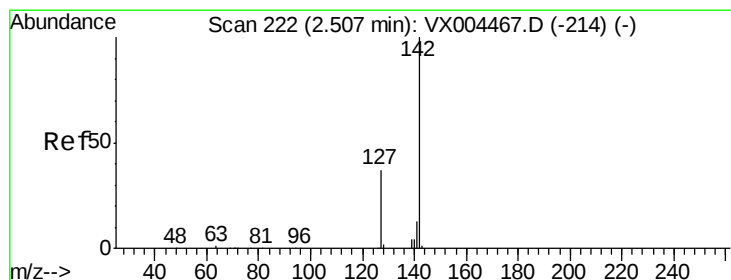
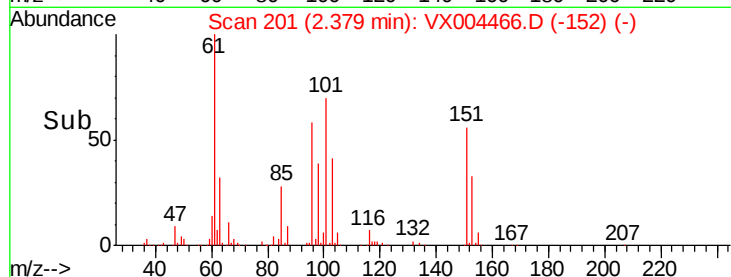
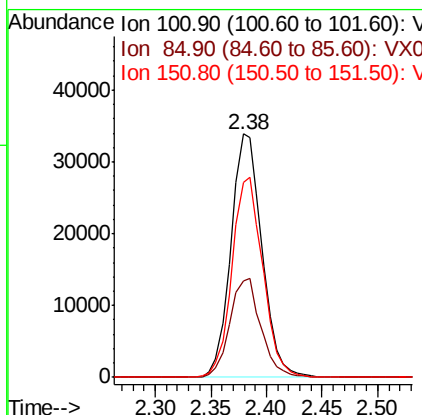
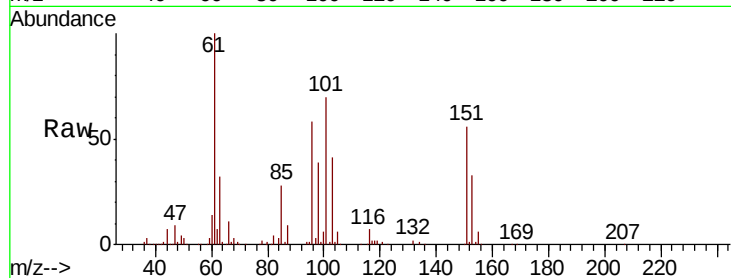
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	65326
Ion Ratio	Lower	Upper	
101	100		
85	40.7	34.2	51.4
151	81.7	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 19.05 ug/l

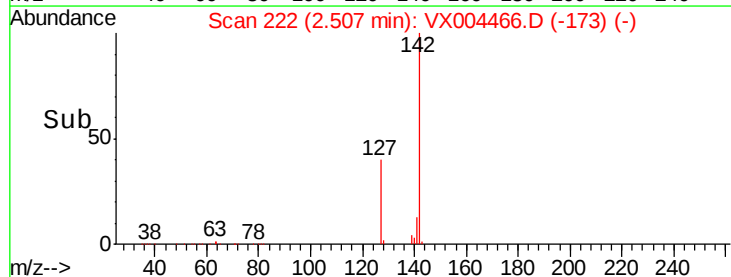
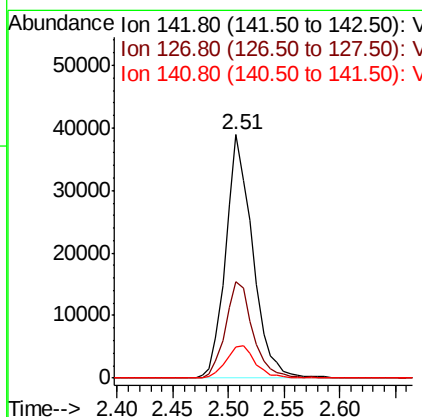
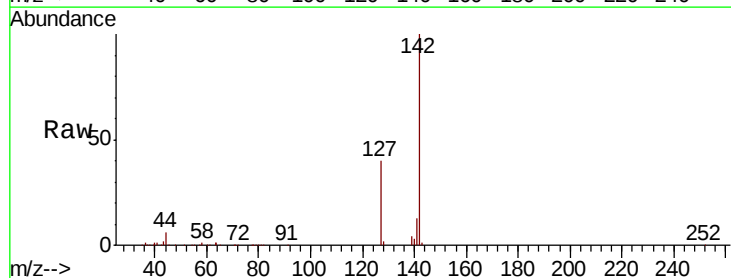
RT: 2.51 min Scan# 222

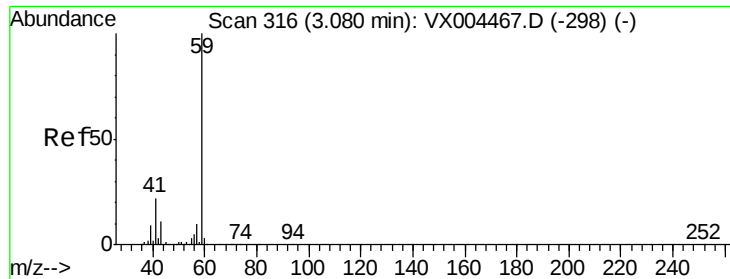
Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Tgt Ion:	142	Resp:	65187
Ion Ratio	Lower	Upper	
142	100		
127	40.2	33.8	50.6
141	14.5	11.4	17.0





#11

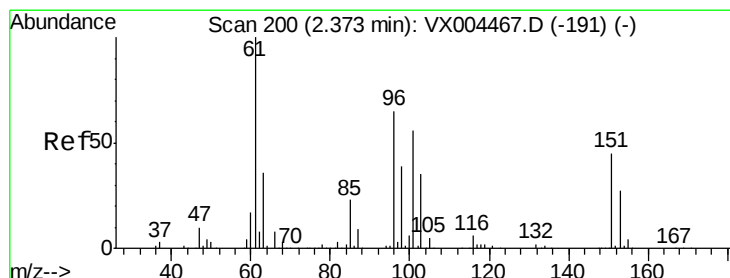
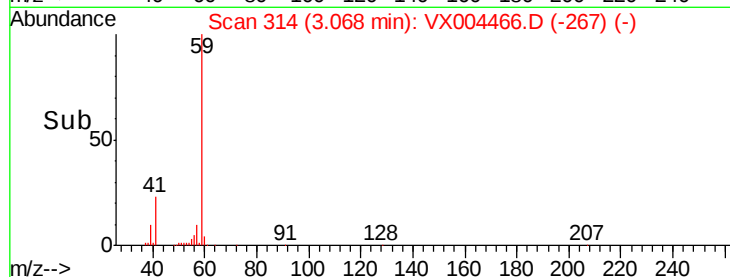
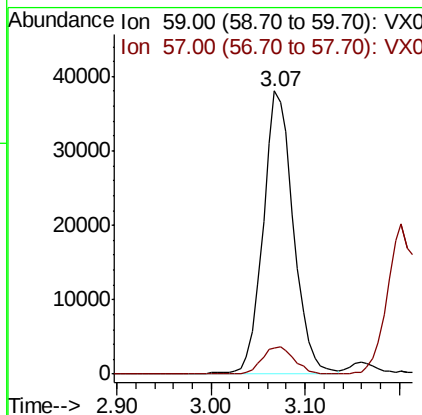
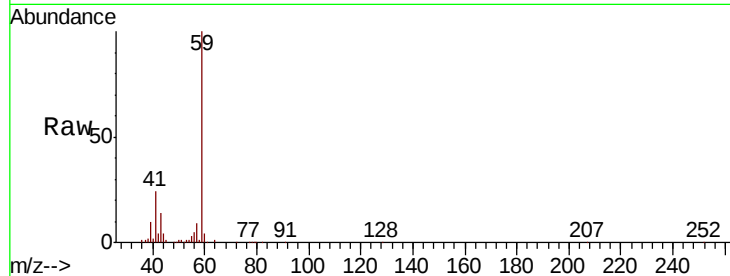
Tert butyl alcohol
Concen: 99.82 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 59 Resp: 85846
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.4

Manual Integrations
APPROVED

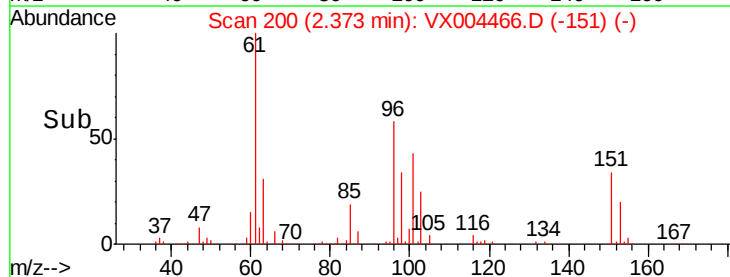
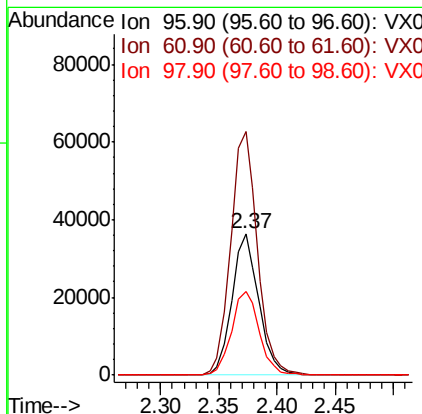
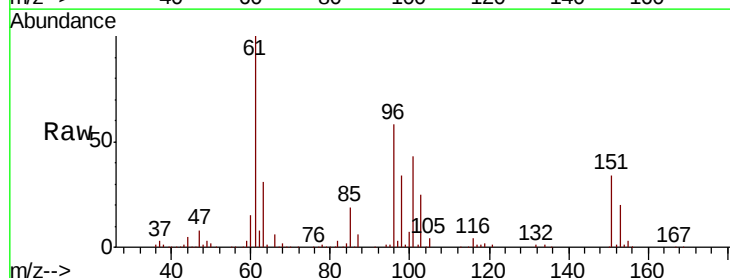
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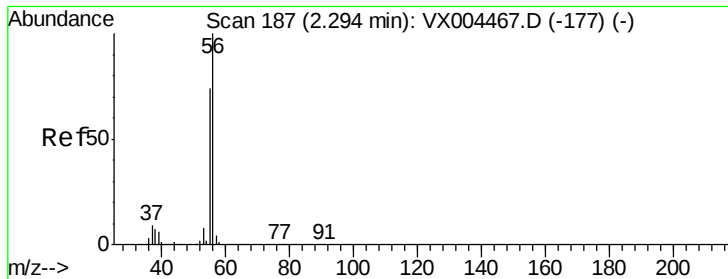


#12

1,1-Dichloroethene
Concen: 19.92 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

Tgt Ion: 96 Resp: 58186
Ion Ratio Lower Upper
96 100
61 172.4 128.8 193.2
98 59.4 52.2 78.2





#13

Acrolein

Concen: 88.02 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 29881

Ion Ratio Lower Upper

56 100

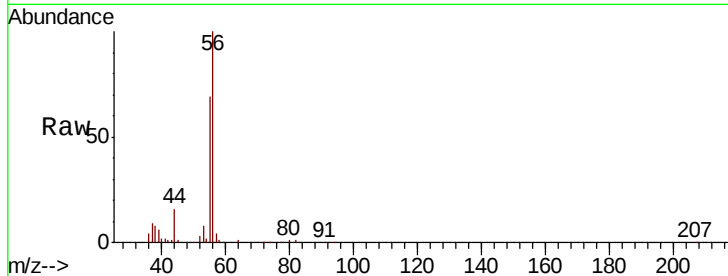
55 71.5 54.7 82.1

Manual Integrations

APPROVED

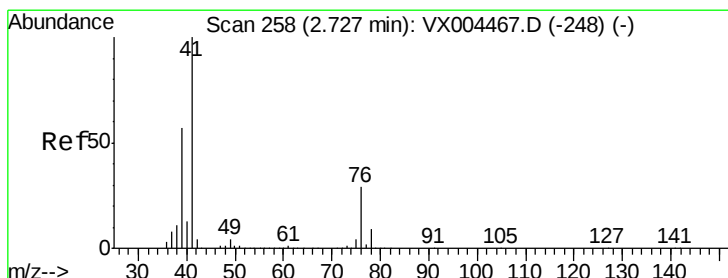
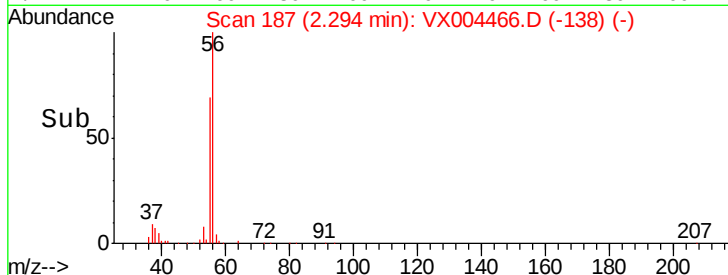
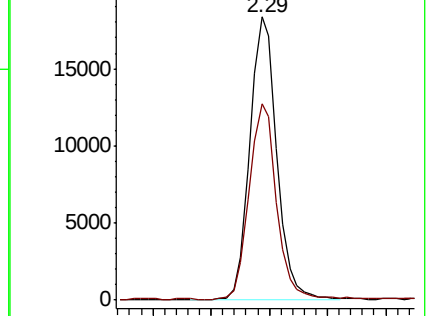
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 19.84 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

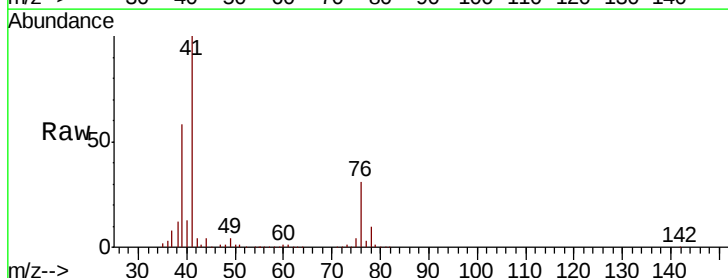
Tgt Ion: 41 Resp: 119144

Ion Ratio Lower Upper

41 100

39 57.7 48.9 73.3

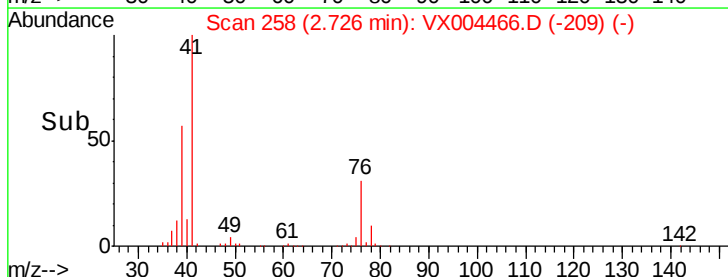
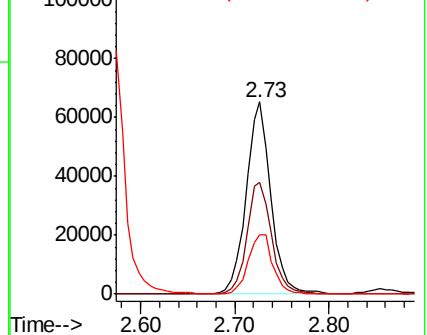
76 31.1 26.7 40.1

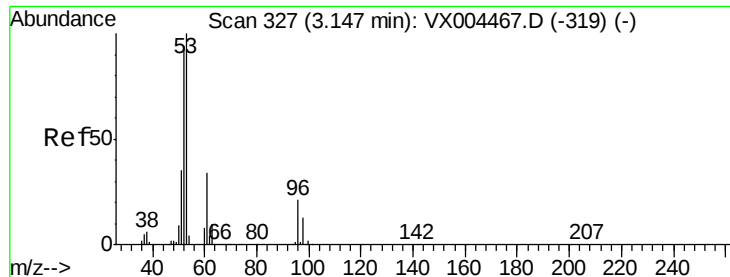


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 97.84 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

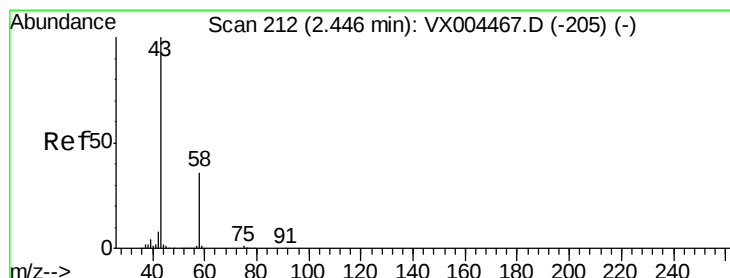
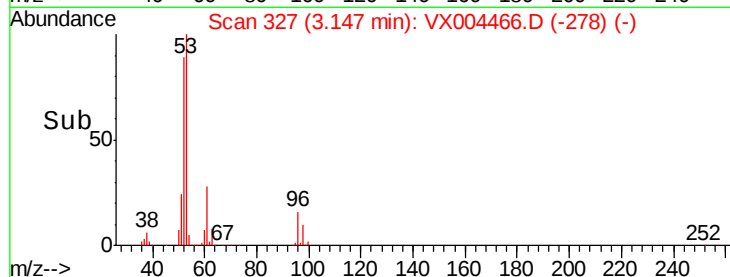
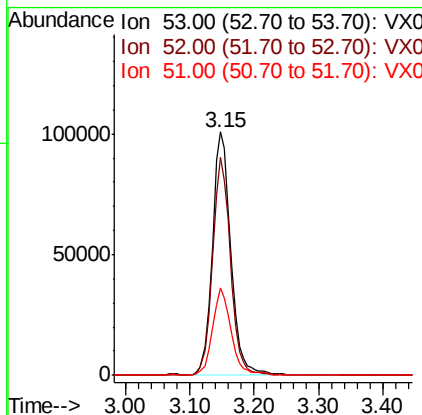
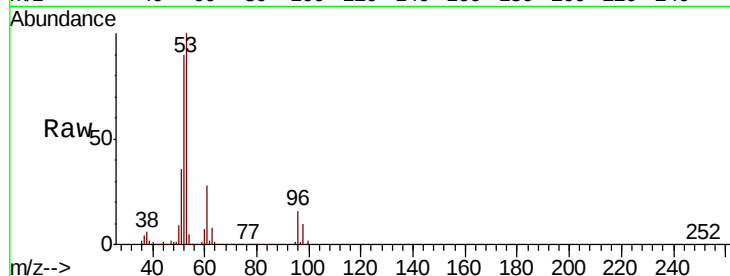
ClientSampled :

VSTDIC020

Tot Ion:	53	Resp:	202615
Ion Ratio	Lower	Upper	
53	100		
52	87.2	65.2	97.8
51	36.4	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 93.74 ug/l

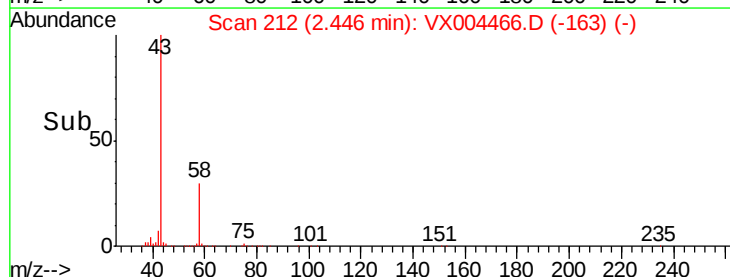
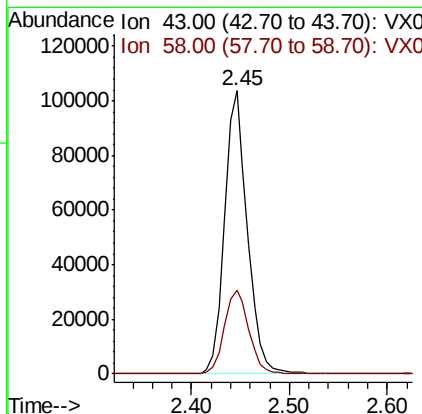
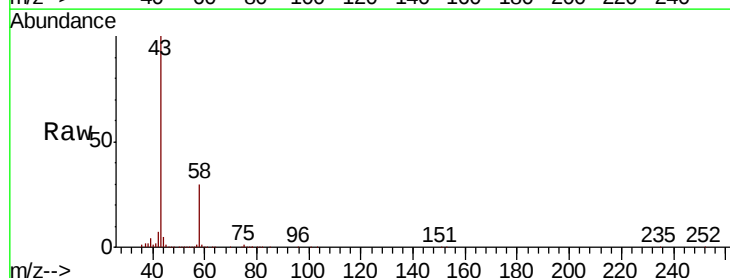
RT: 2.45 min Scan# 212

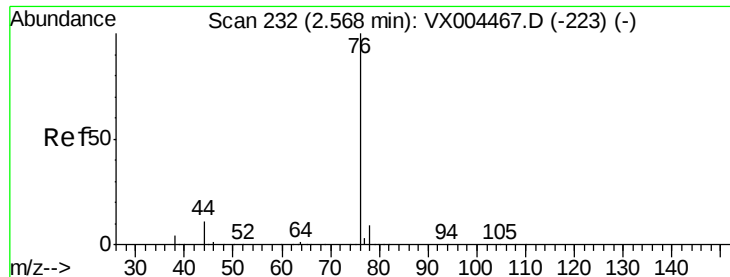
Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Tgt Ion:	43	Resp:	164902
Ion Ratio	Lower	Upper	
43	100		
58	29.5	26.2	39.4





#17

Carbon Disulfide

Concen: 20.09 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 169638

Ion Ratio Lower Upper

76 100

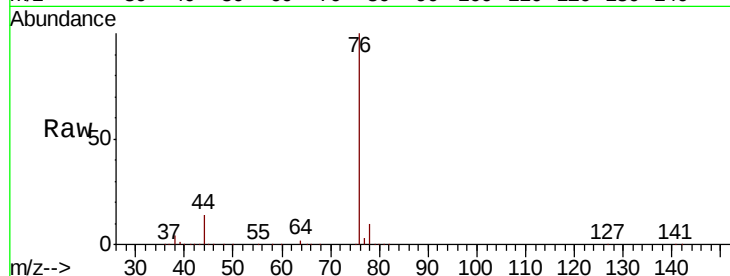
78 9.9 7.0 10.6

Manual Integrations

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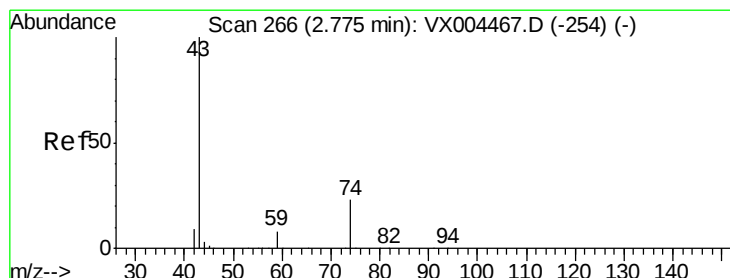
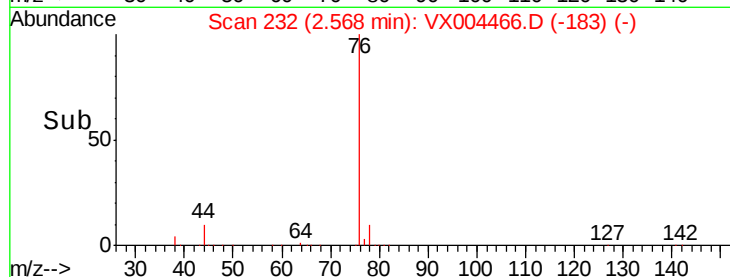
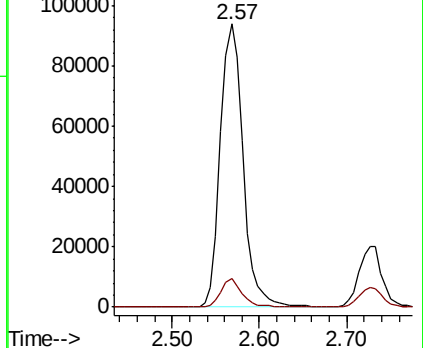
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 19.34 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX004466.D

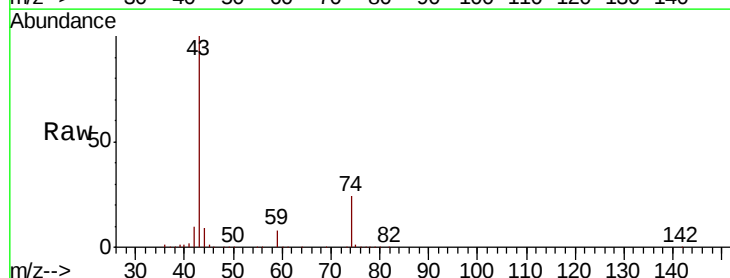
Acq: 11 Sep 2018 13:27

Tgt Ion: 43 Resp: 95438

Ion Ratio Lower Upper

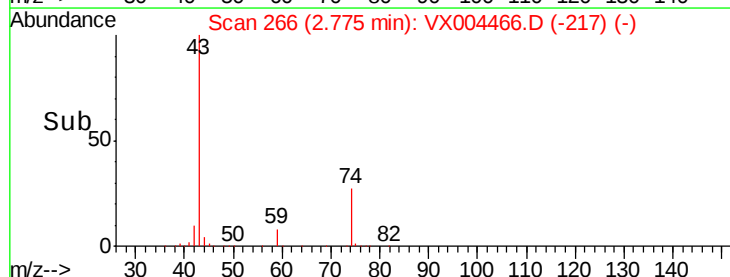
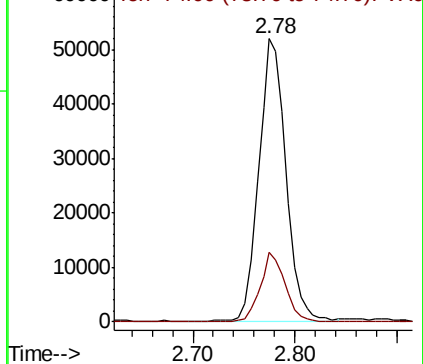
43 100

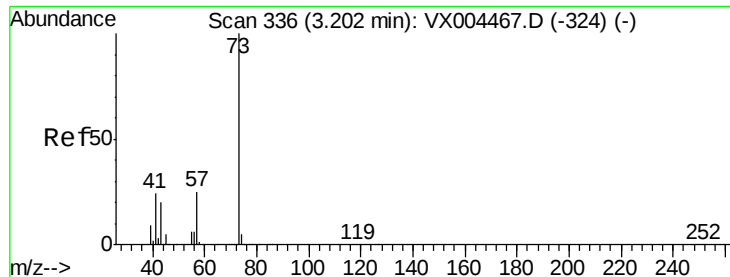
74 23.1 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





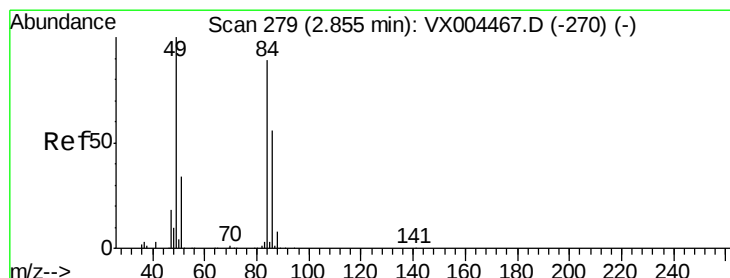
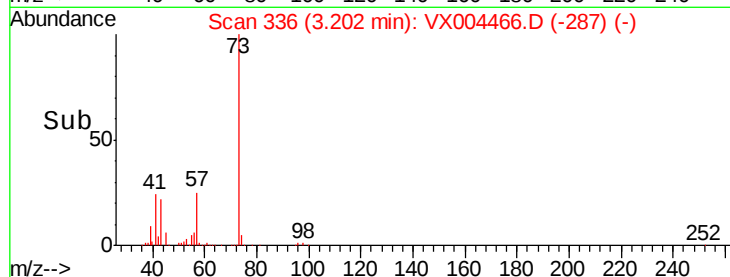
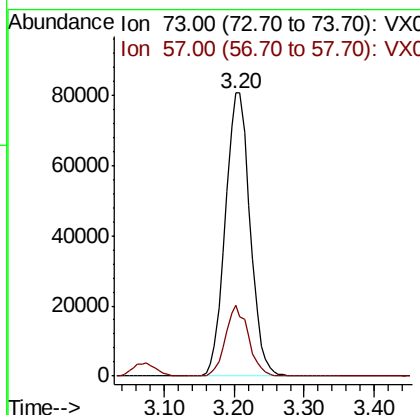
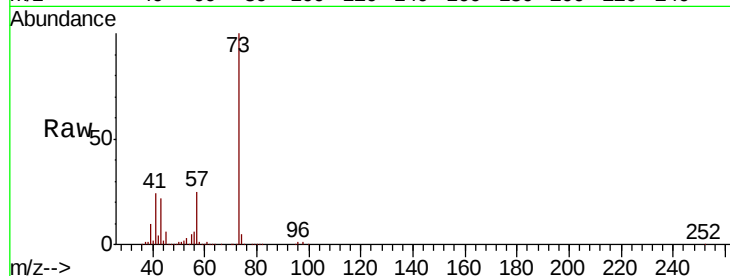
#19
Methvl tert-butvl Ether
Concen: 19.32 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	25.1	17.1	25.7

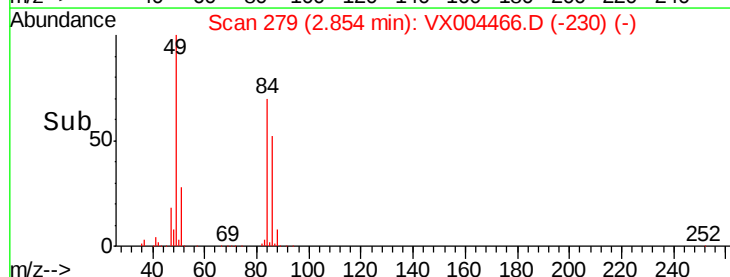
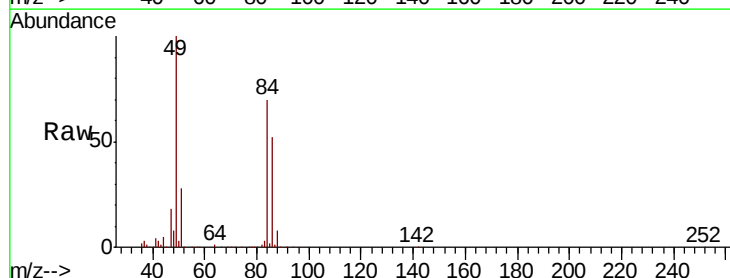
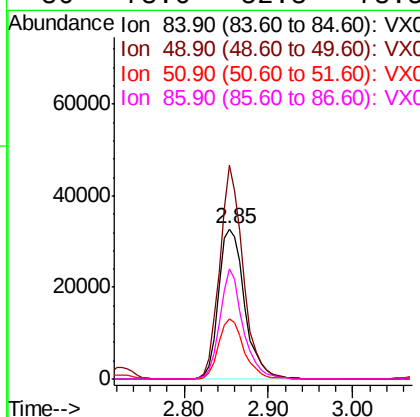
Manual Integrations
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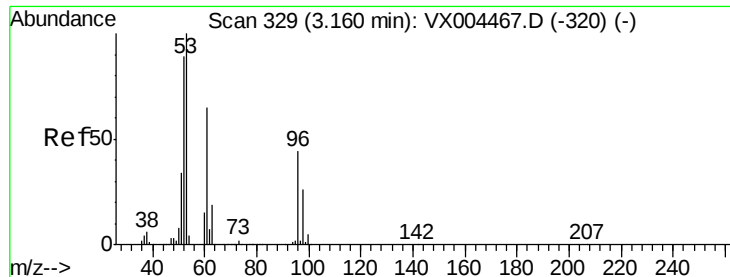
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#20
Methylene Chloride
Concen: 19.40 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	142.2	101.2	151.8
51	40.0	29.5	44.3
86	73.6	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 19.19 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 61926

Ion Ratio Lower Upper

96 100

61 141.4 113.8 170.6

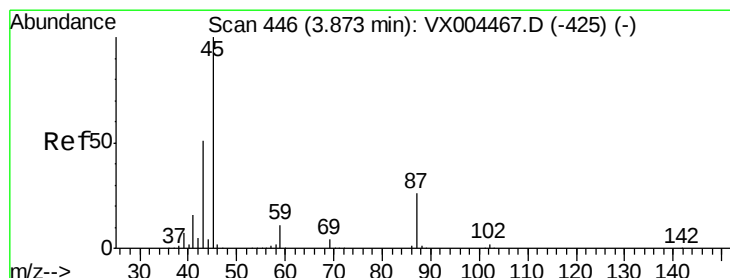
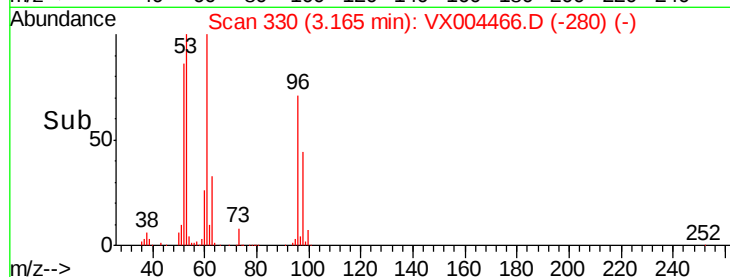
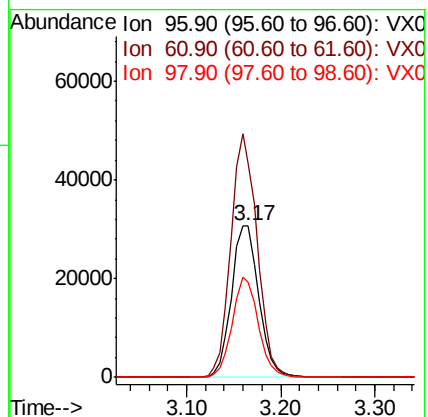
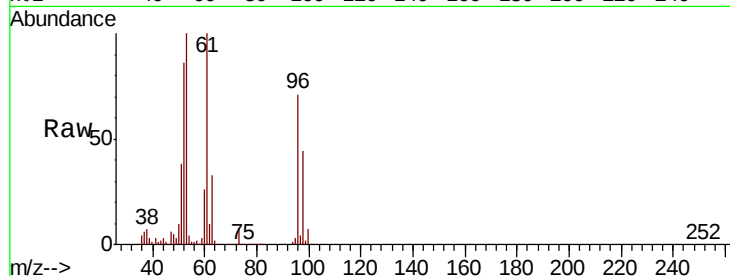
98 62.3 51.8 77.8

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#22

Diisopropyl ether

Concen: 19.86 ug/l

RT: 3.87 min Scan# 446

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Tgt Ion: 45 Resp: 214741

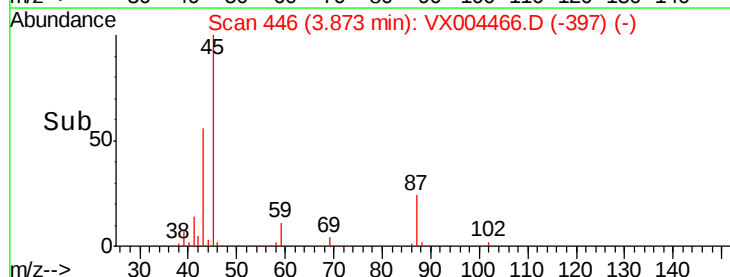
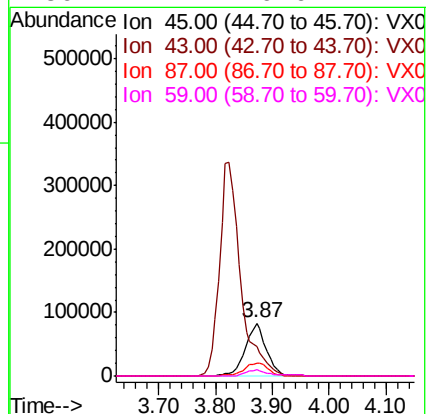
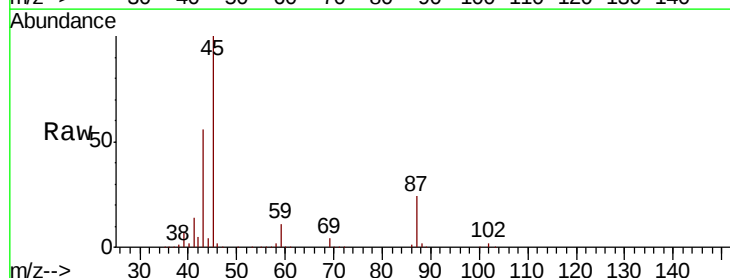
Ion Ratio Lower Upper

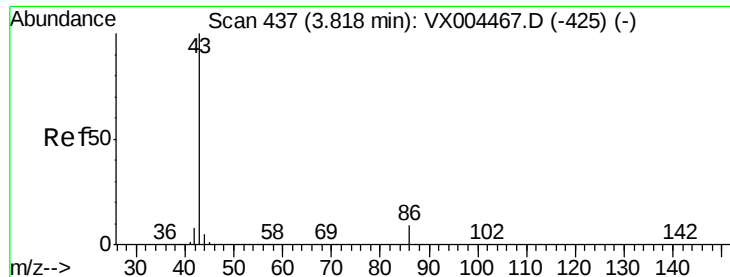
45 100

43 55.5 42.8 64.2

87 23.7 22.6 34.0

59 11.4 9.6 14.4





#23

Vinyl Acetate

Concen: 99.54 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 871142

Ion Ratio Lower Upper

43 100

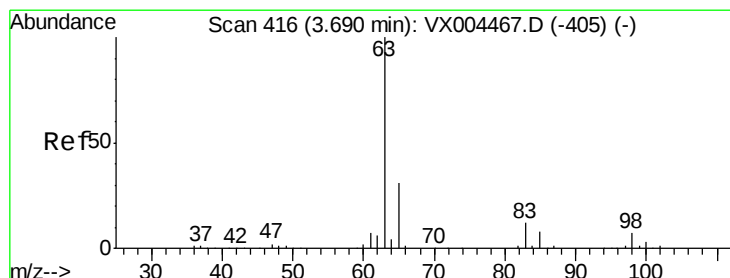
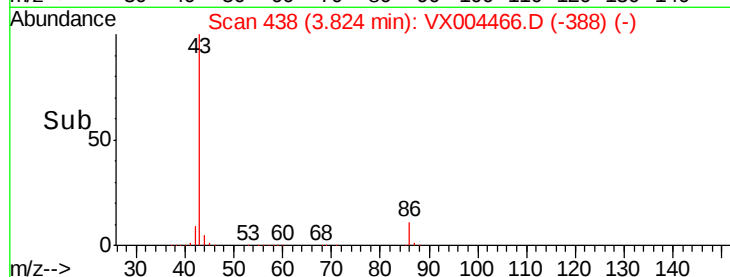
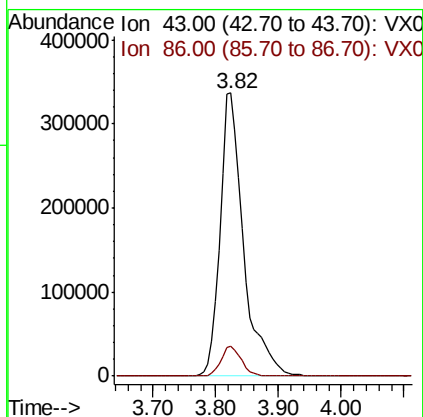
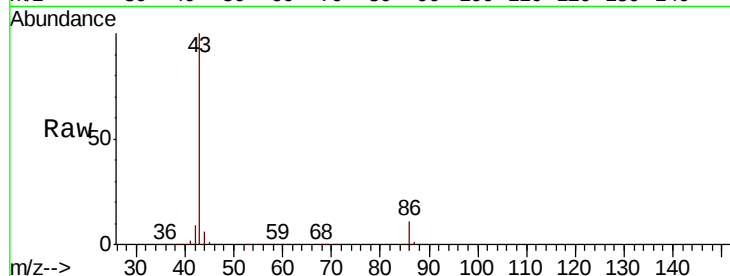
86 10.8 8.9 13.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.58 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

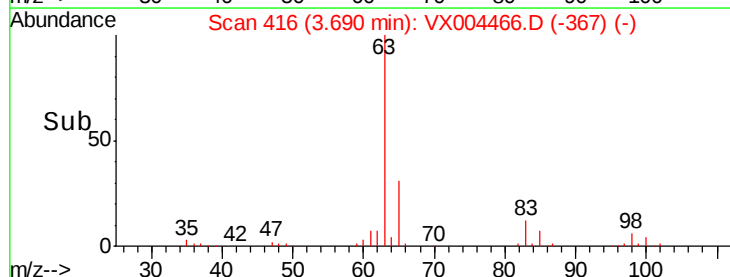
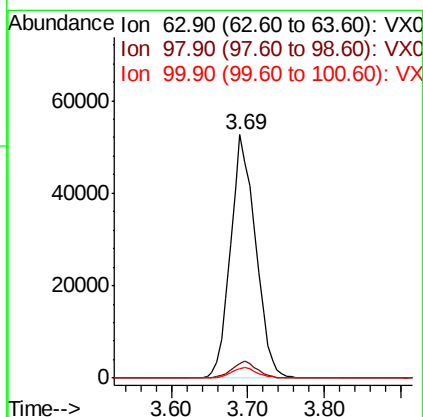
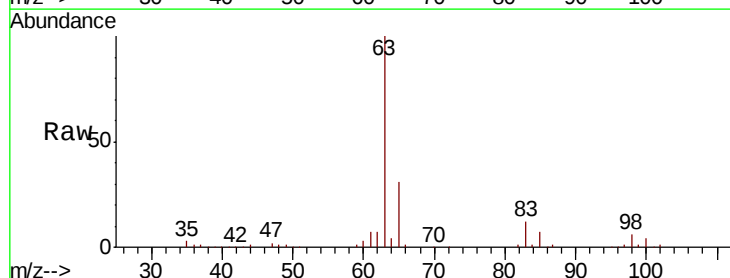
Tgt Ion: 63 Resp: 119571

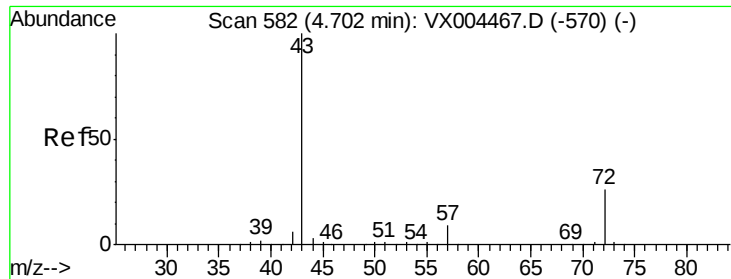
Ion Ratio Lower Upper

63 100

98 5.8 3.5 10.4

100 3.7 2.4 7.1





#25

2-Butanone

Concen: 92.34 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 258520

Ion Ratio Lower Upper

43 100

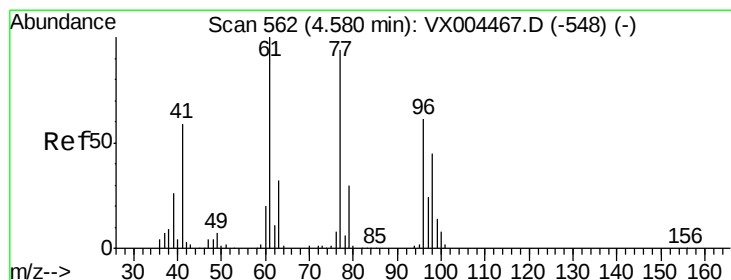
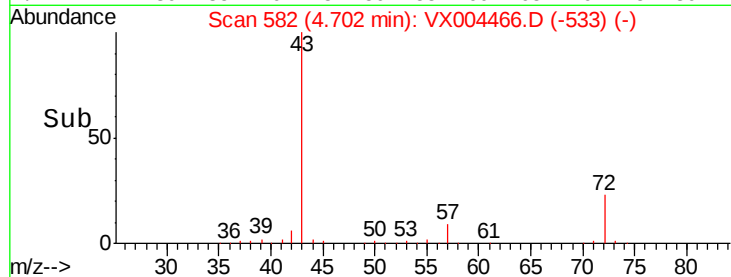
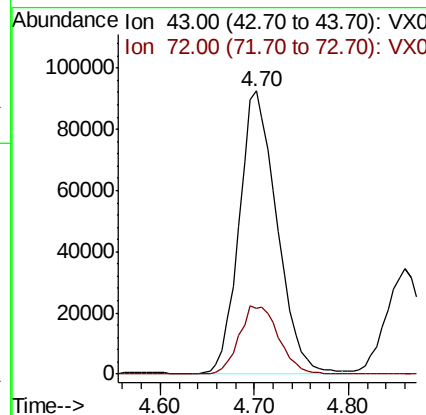
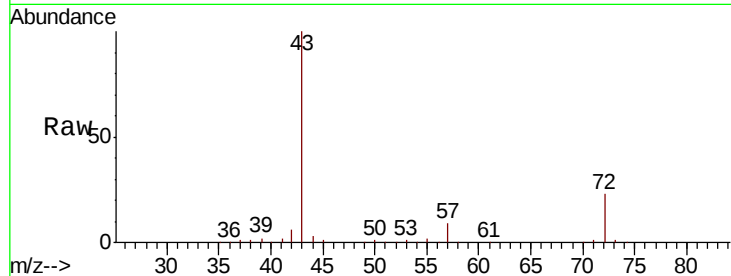
72 23.1 22.0 33.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.52 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX004466.D

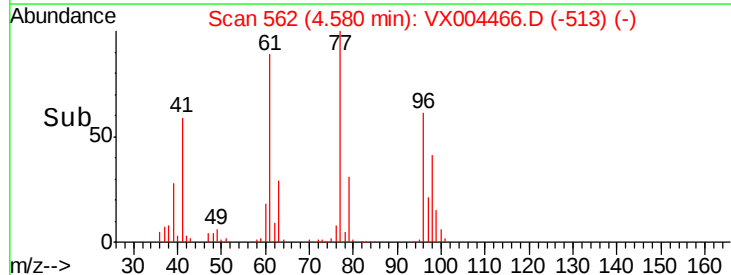
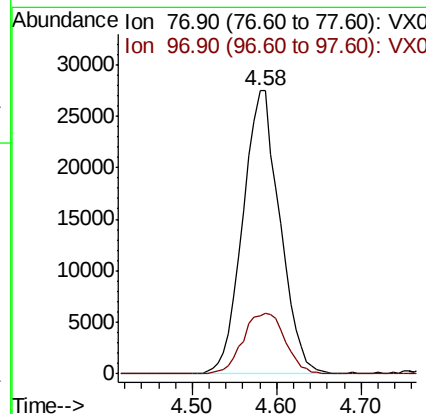
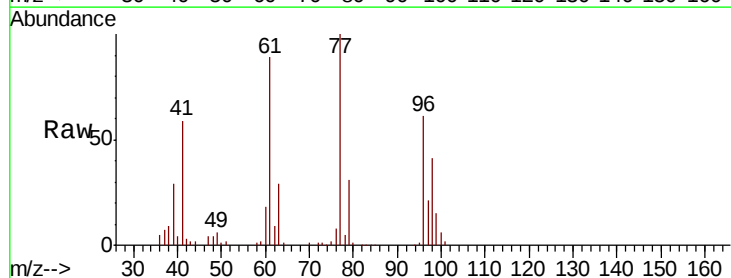
Acq: 11 Sep 2018 13:27

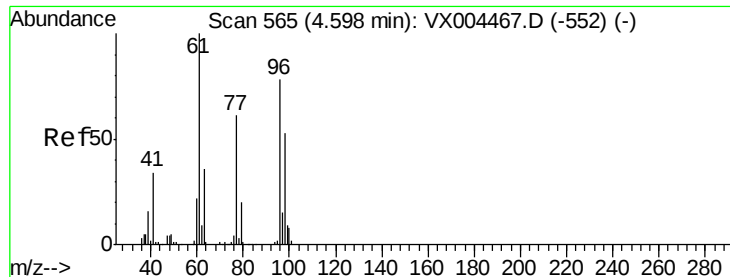
Tgt Ion: 77 Resp: 81871

Ion Ratio Lower Upper

77 100

97 24.4 11.7 35.0





#27

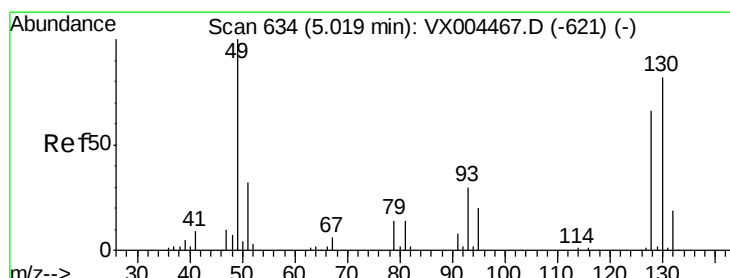
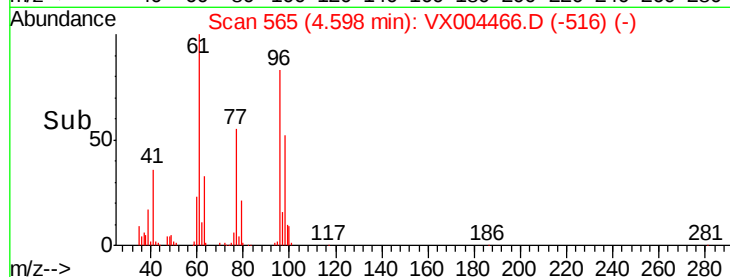
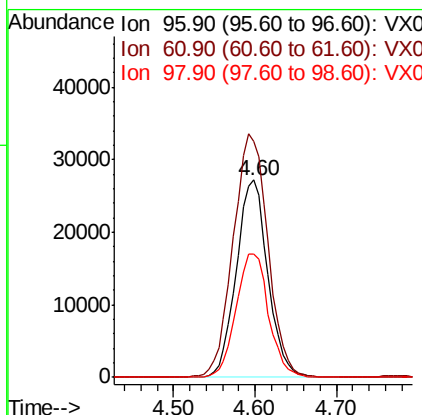
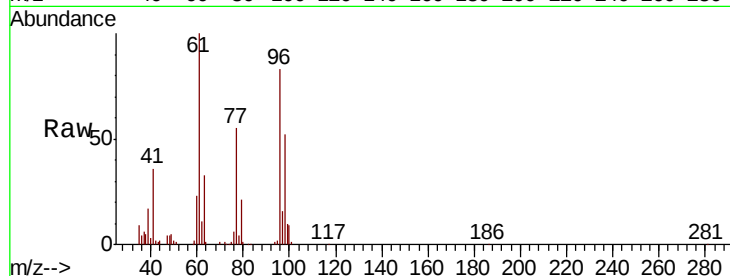
cis-1,2-Dichloroethene
Concen: 20.19 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.6	0.0	282.6
98	64.9	0.0	130.2

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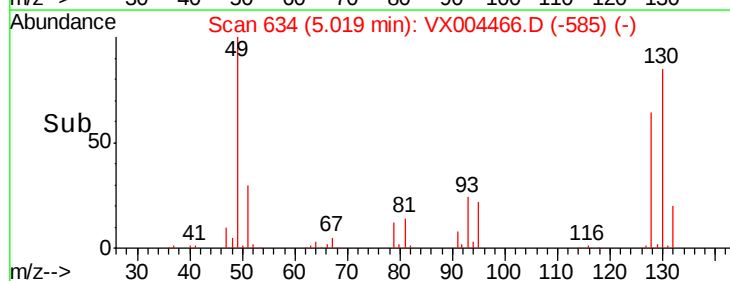
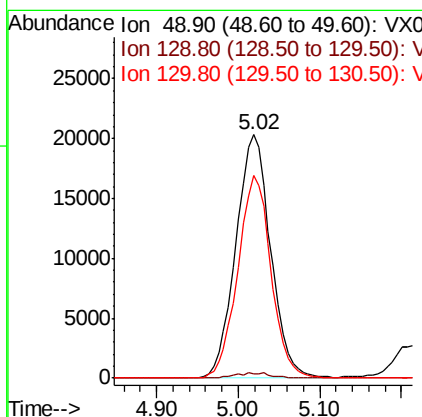
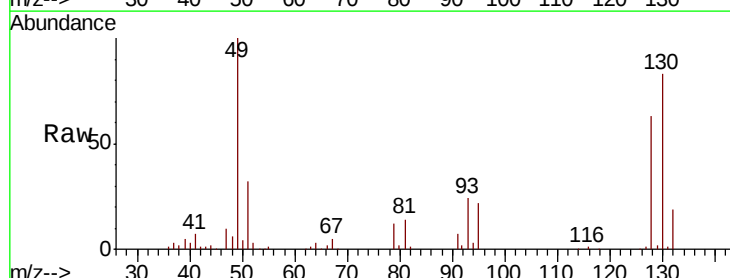
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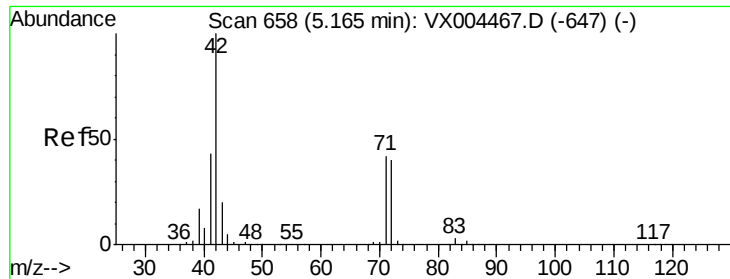


#28

Bromochloromethane
Concen: 21.50 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	79.8	67.5	101.3





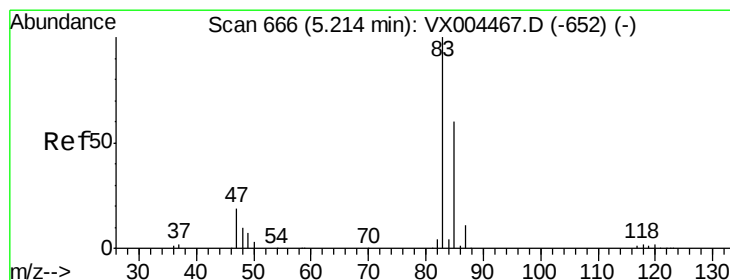
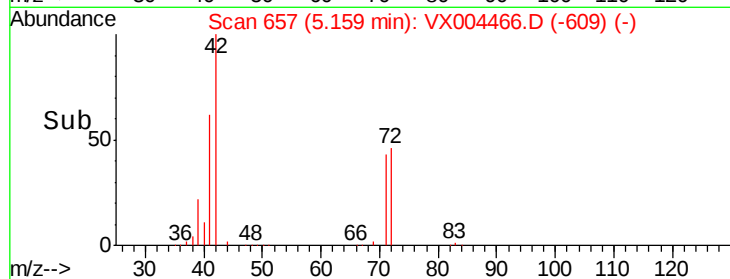
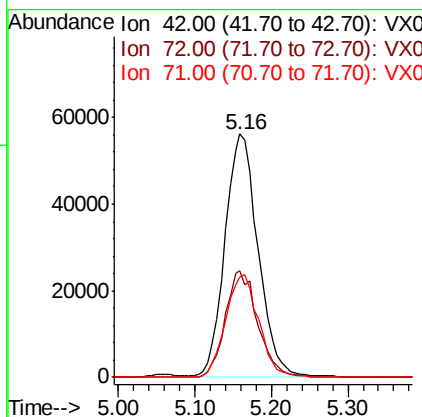
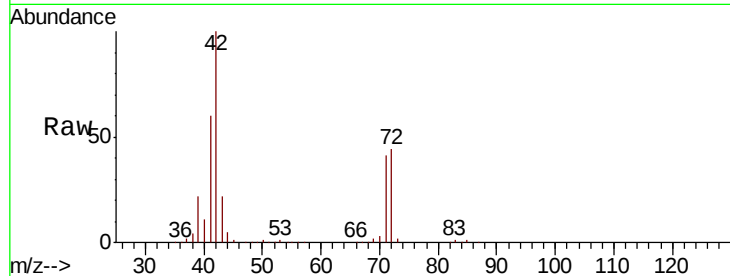
#29
Tetrahydrofuran
Concen: 99.27 ug/l
RT: 5.16 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:	42	Resp:	167606
Ion Ratio		Lower	Upper
42	100		
72	43.3	37.4	56.0
71	42.3	34.5	51.7

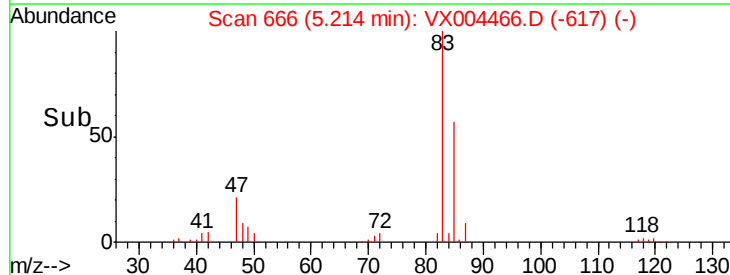
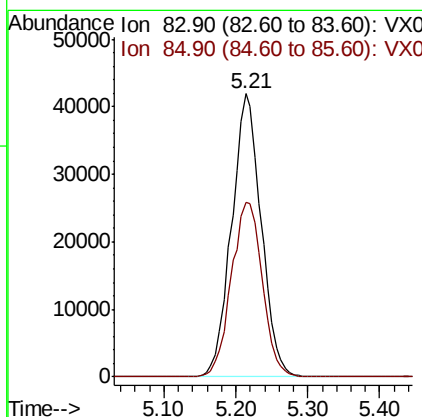
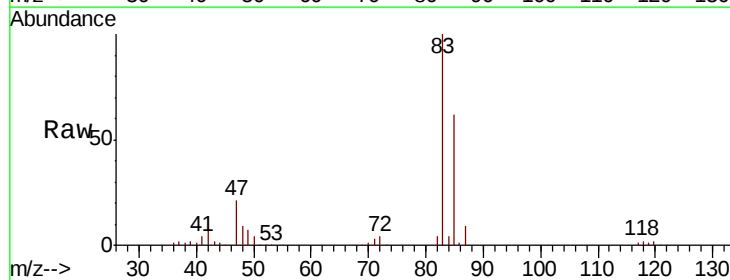
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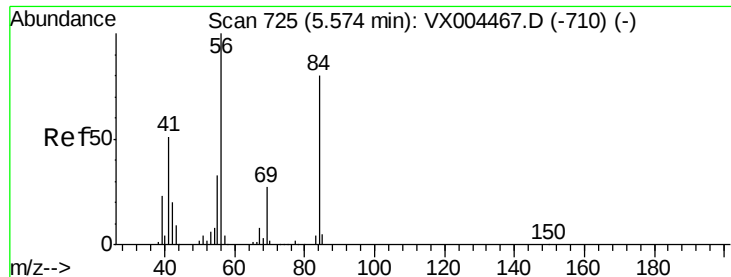
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#30
Chloroform
Concen: 20.05 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

Tgt Ion:	83	Resp:	119537
Ion Ratio		Lower	Upper
83	100		
85	61.8	52.6	79.0





#31

Cyclohexane

Concen: 20.49 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

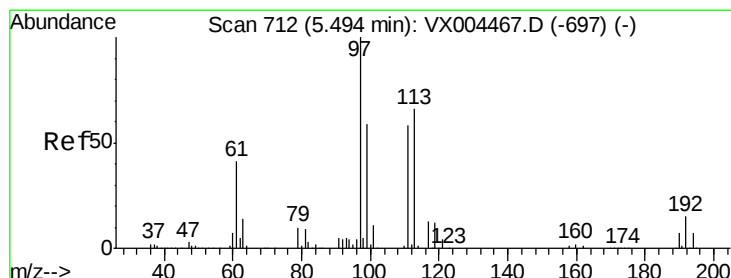
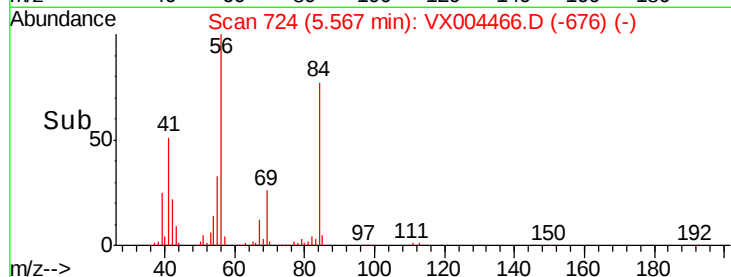
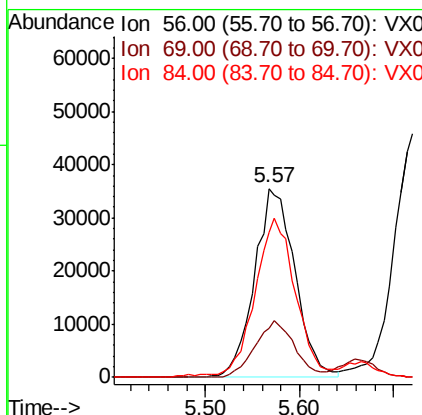
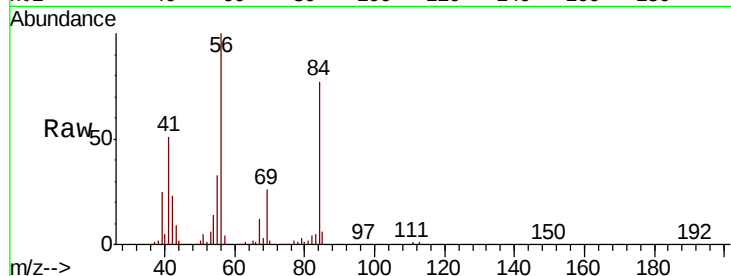
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	106837
Ion	Ratio	Lower	Upper
56	100		
69	26.0	25.4	38.2
84	75.6	71.4	107.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.17 ug/l

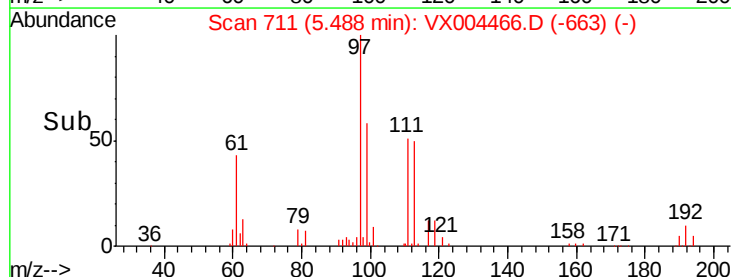
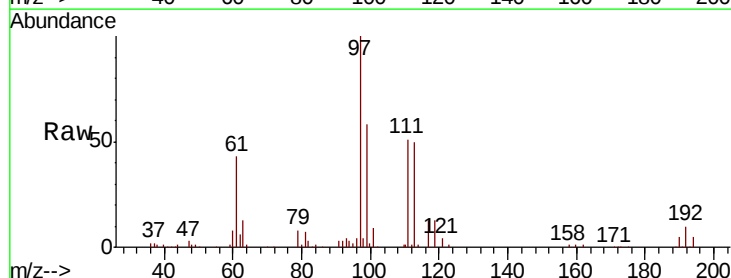
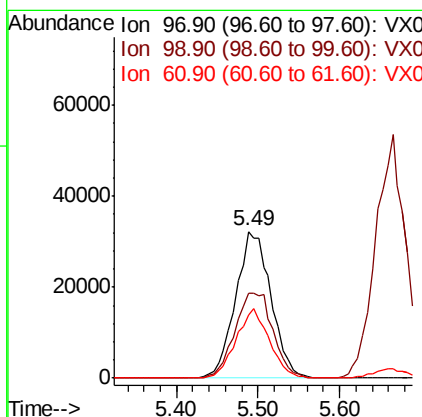
RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Tgt Ion:	97	Resp:	96832
Ion	Ratio	Lower	Upper
97	100		
99	63.0	52.0	78.0
61	44.7	34.9	52.3





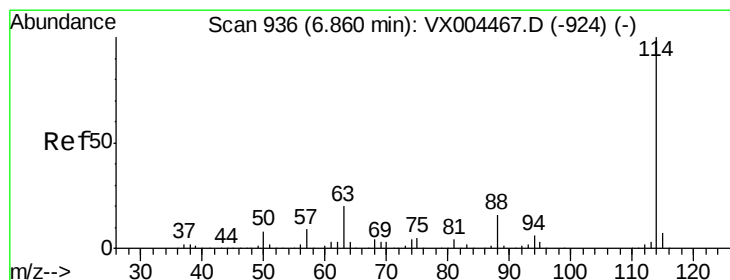
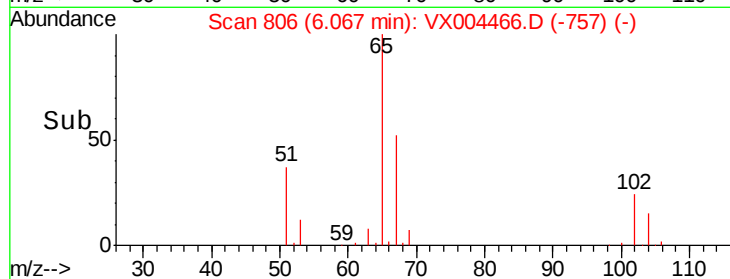
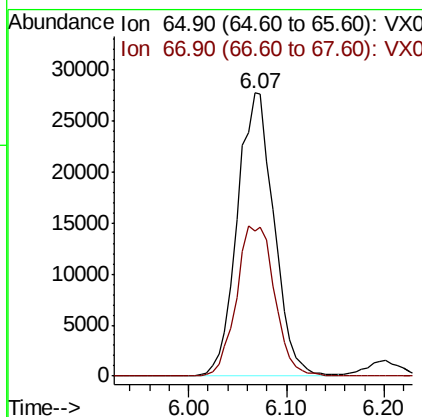
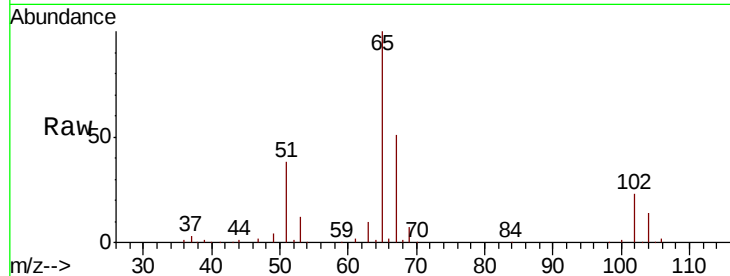
#33
 1,2-Dichloroethane-d4
 Concen: 20.05 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004466.D
 Acq: 11 Sep 2018 13:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.3	0.0	106.8

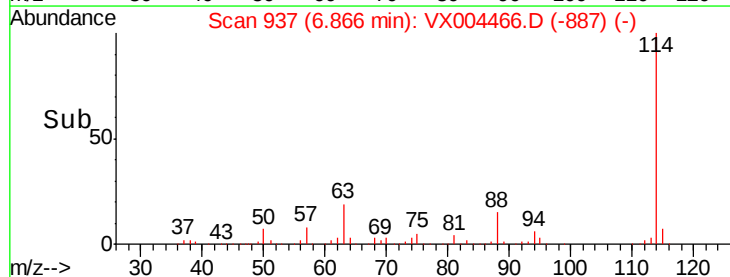
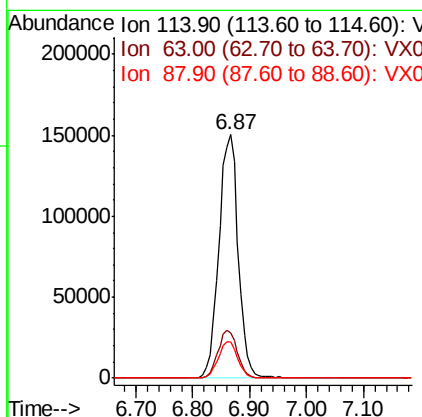
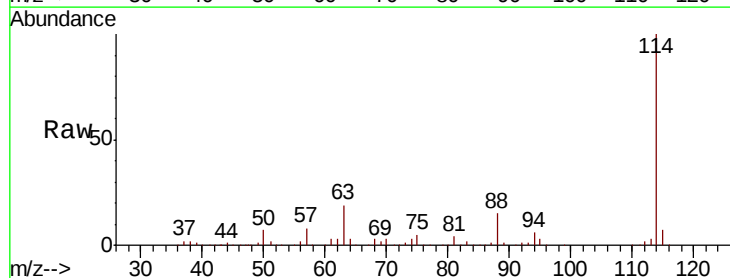
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX004466.D
 Acq: 11 Sep 2018 13:27

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	39.0
88	14.8	0.0	30.4





#35

Dibromofluoromethane

Concen: 19.25 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

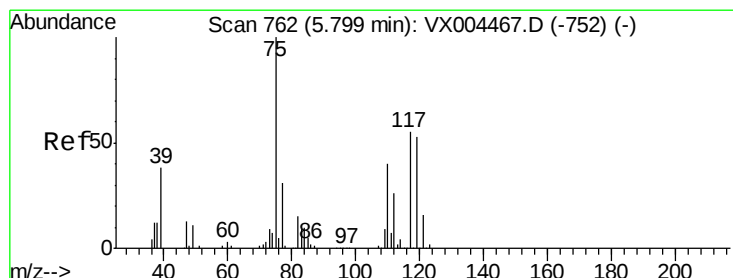
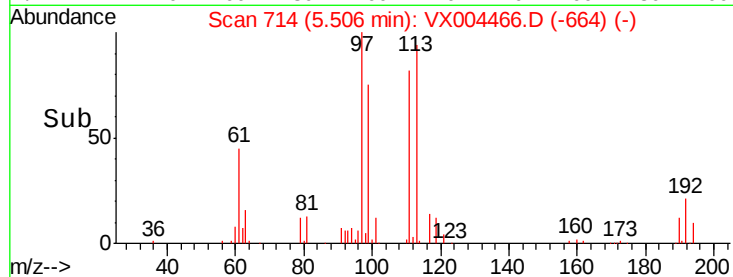
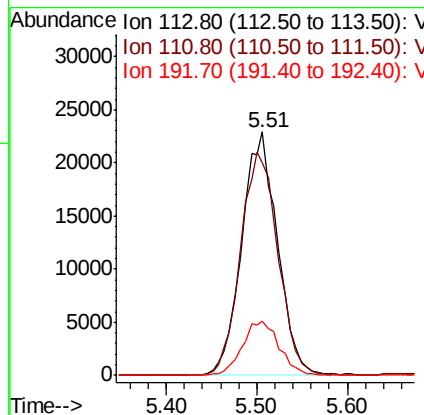
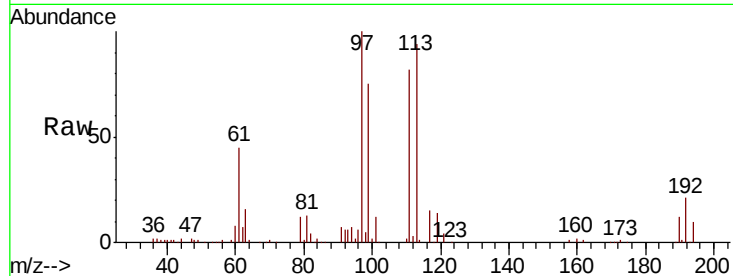
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	62354
Ion	Ratio	Lower	Upper
113	100		
111	96.7	82.4	123.6
192	22.8	19.4	29.2

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#36

1,1-Dichloropropene

Concen: 20.28 ug/l

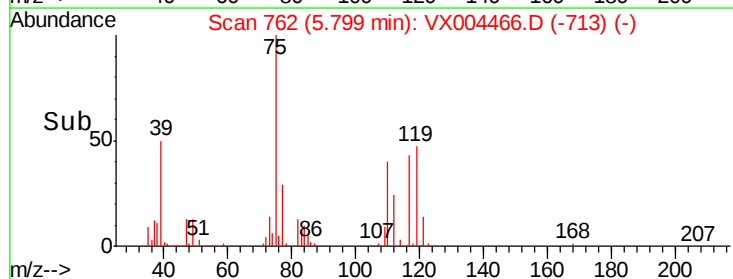
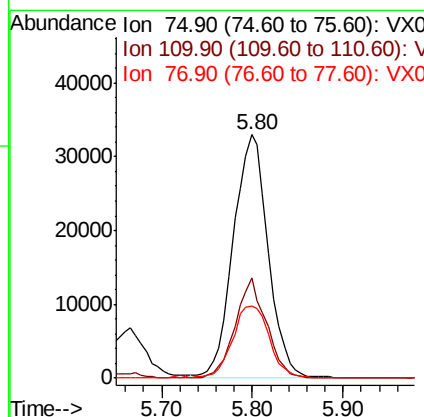
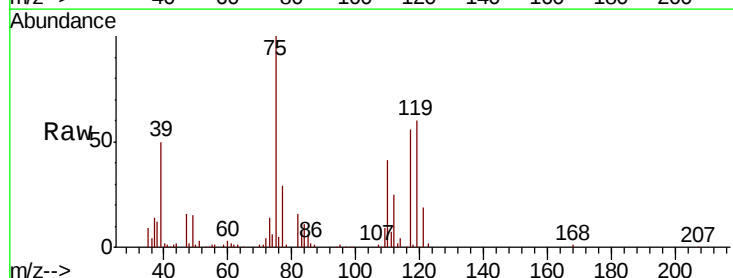
RT: 5.80 min Scan# 762

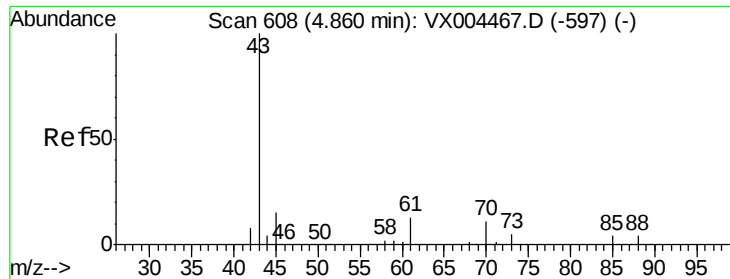
Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Tgt Ion:	75	Resp:	87159
Ion	Ratio	Lower	Upper
75	100		
110	37.0	18.0	54.0
77	31.8	24.6	36.8





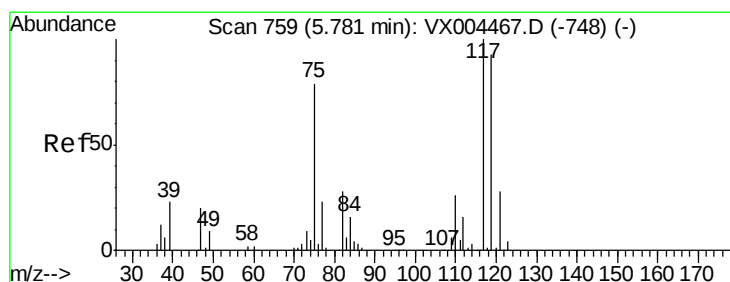
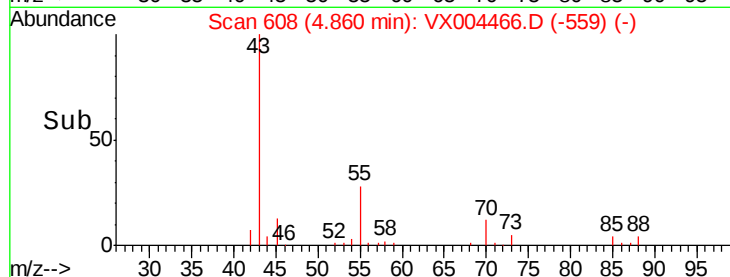
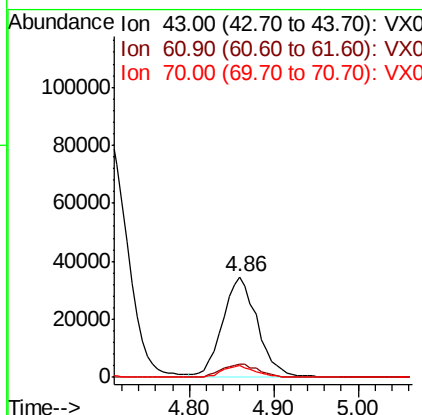
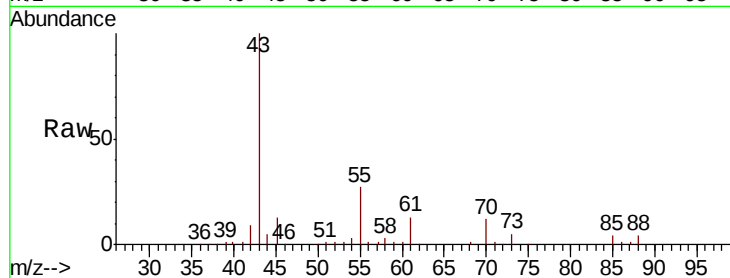
#37
Ethyl Acetate
Concen: 19.79 ug/l
RT: 4.86 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.5	17.3
70	11.3	9.0	13.6

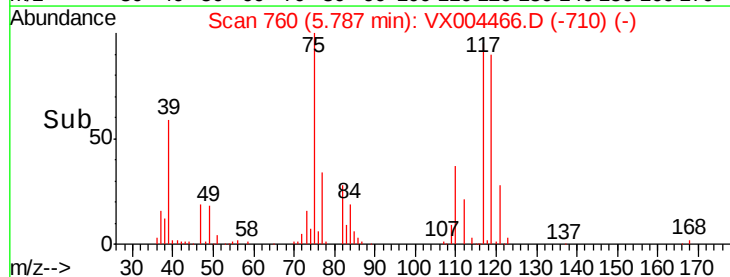
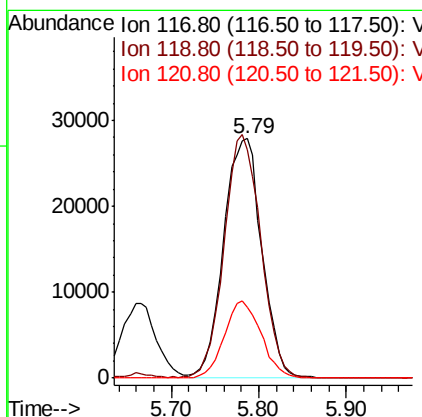
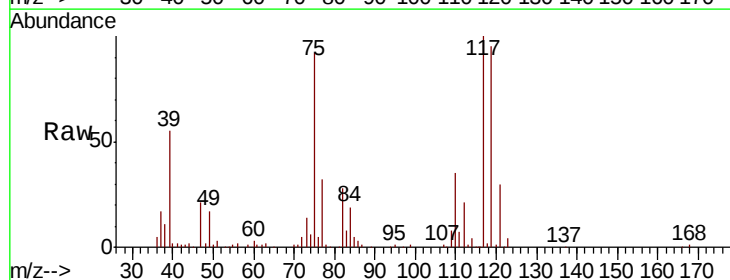
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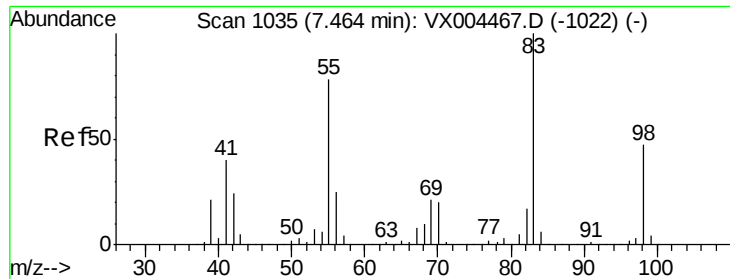
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#38
Carbon Tetrachloride
Concen: 20.14 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	78.8	118.2
121	29.7	24.9	37.3





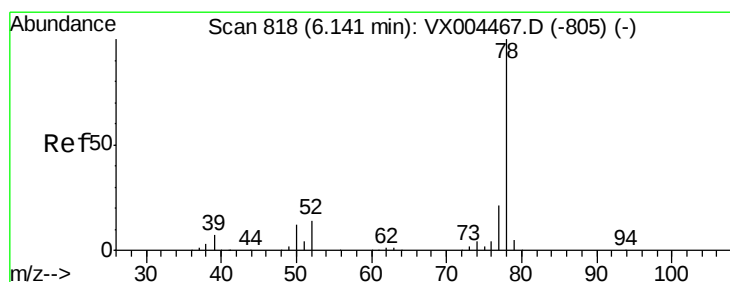
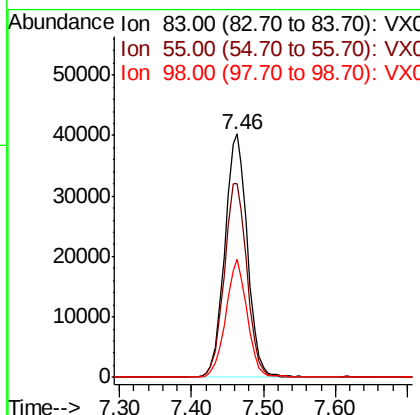
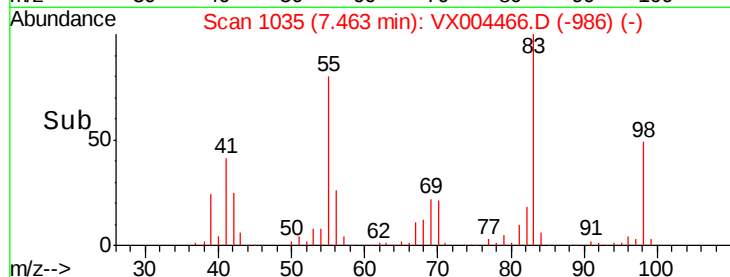
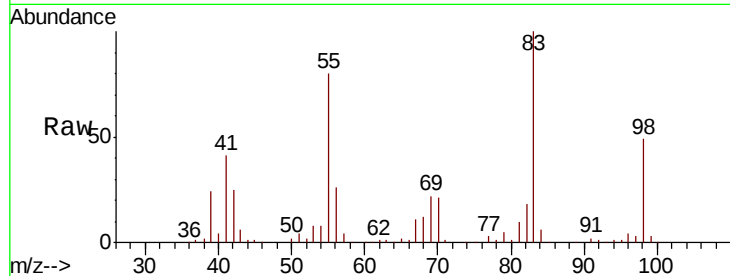
#39
Methylvlcvclohexane
Concen: 19.65 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	88138
Ion Ratio	Lower	Upper	
83	100		
55	79.7	61.0	91.4
98	48.5	39.6	59.4

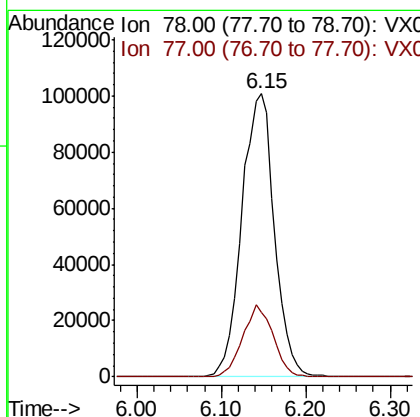
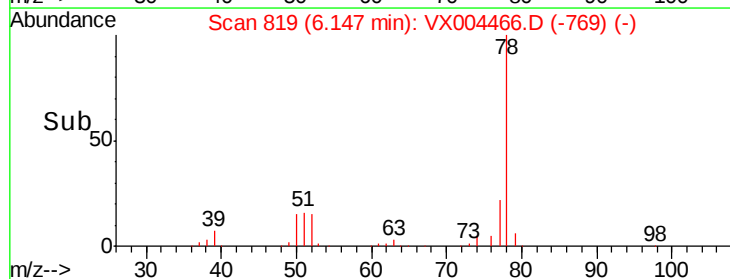
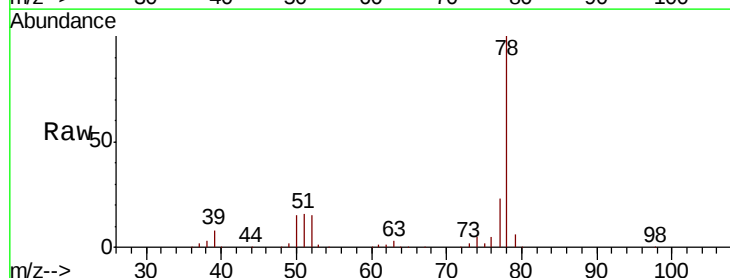
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#40
Benzene
Concen: 20.62 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

Tgt Ion	78	Resp	262932
Ion Ratio	Lower	Upper	
78	100		
77	22.7	19.0	28.4





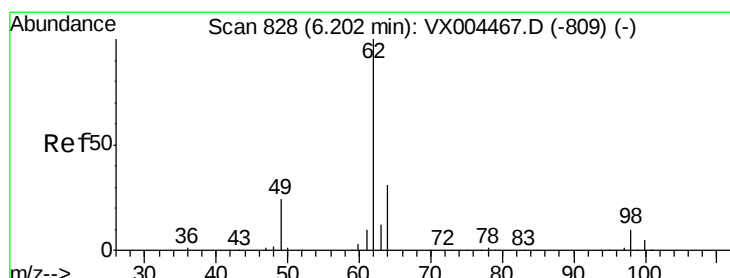
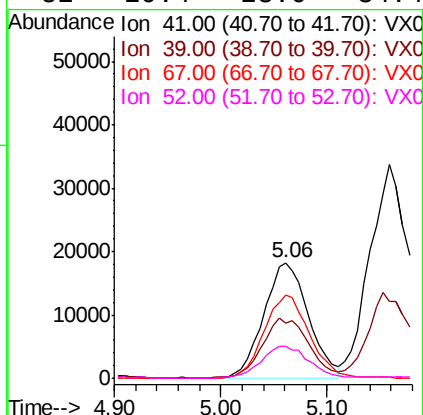
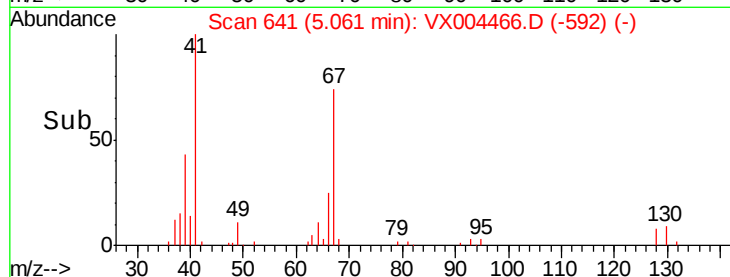
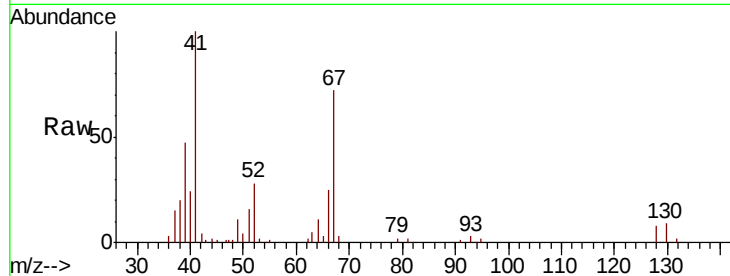
#41
Methacrylonitrile
Concen: 19.87 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:	41	Resp:	53527
Ion	Ratio	Lower	Upper
41	100		
39	54.2	42.4	63.6
67	73.3	59.2	88.8
52	29.4	23.0	34.4

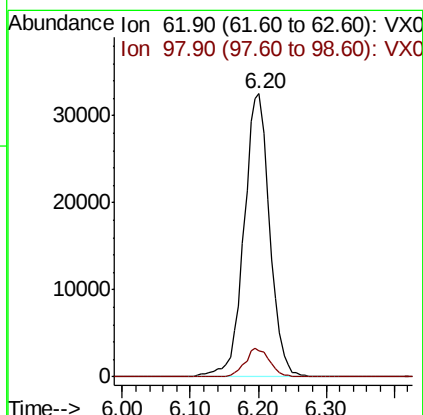
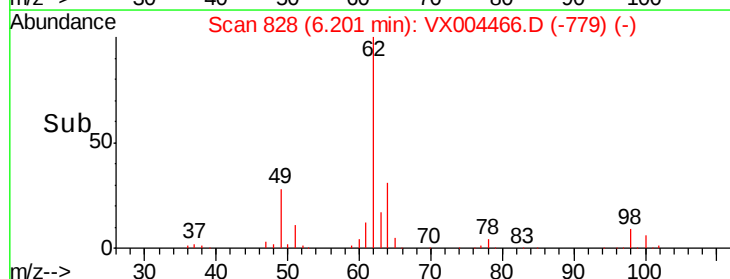
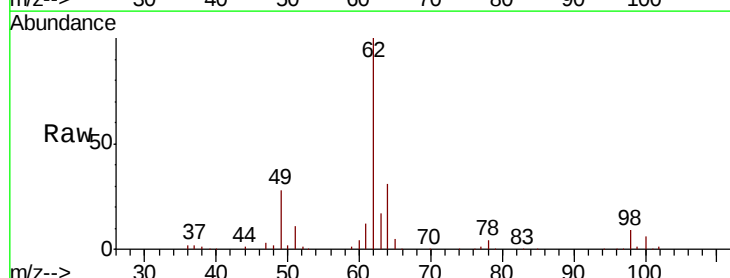
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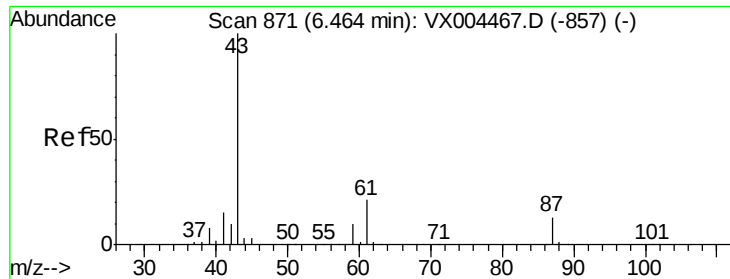
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#42
1,2-Dichloroethane
Concen: 20.20 ug/l
RT: 6.20 min Scan# 828
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

Tgt Ion:	62	Resp:	85433
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.6





#43

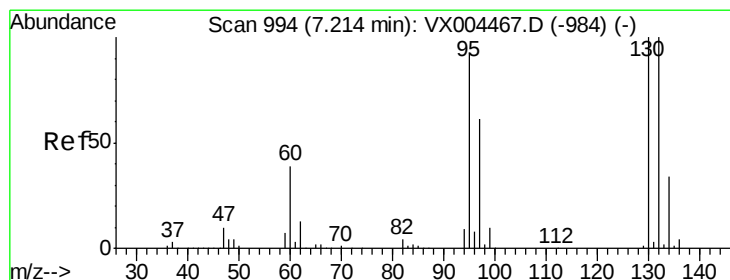
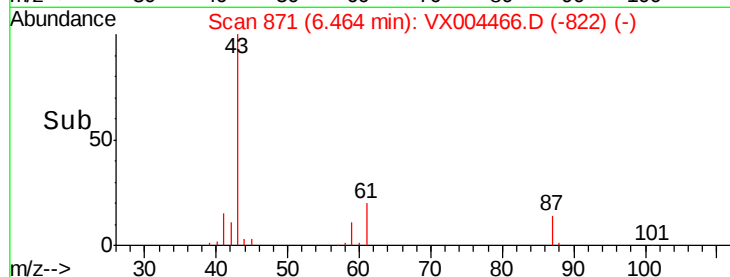
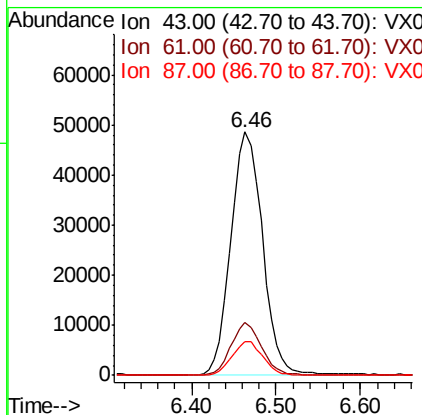
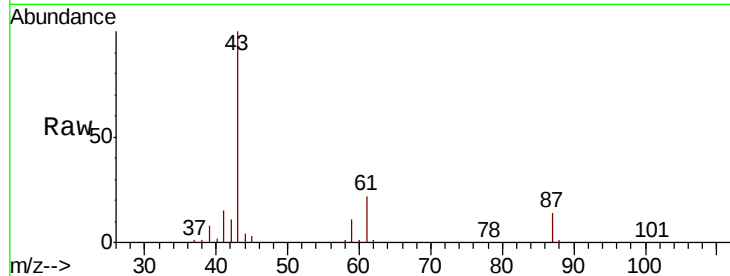
Isopropyl Acetate
 Concen: 19.15 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. -0.00 min
 Lab File: VX004466.D
 Acq: 11 Sep 2018 13:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.5	17.0	25.4
87	13.4	11.4	17.2

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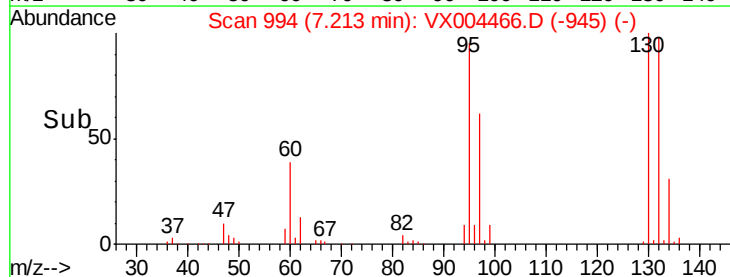
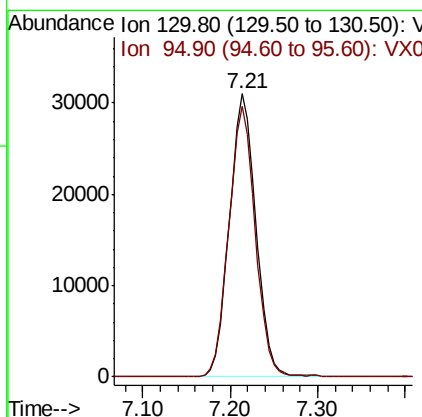
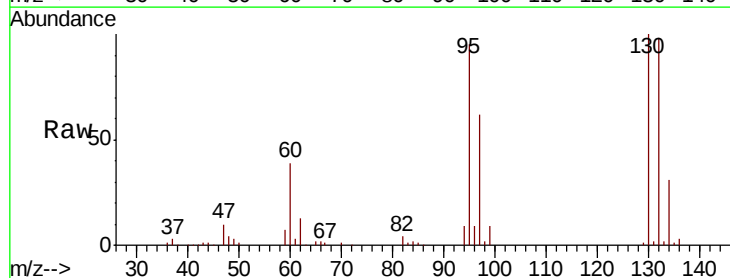
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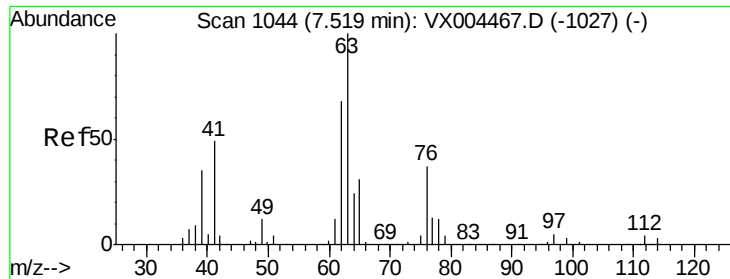


#44

Trichloroethene
 Concen: 19.84 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX004466.D
 Acq: 11 Sep 2018 13:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	181.6





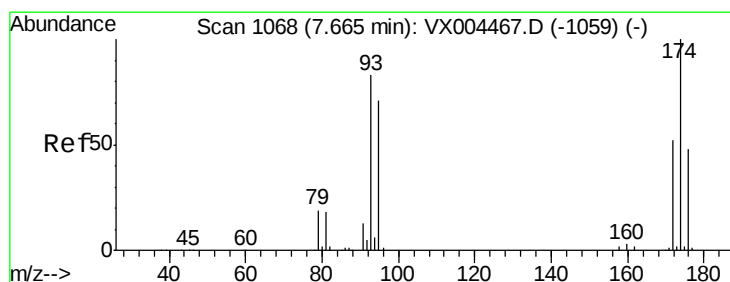
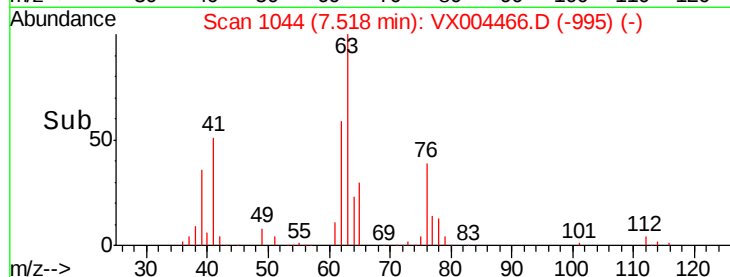
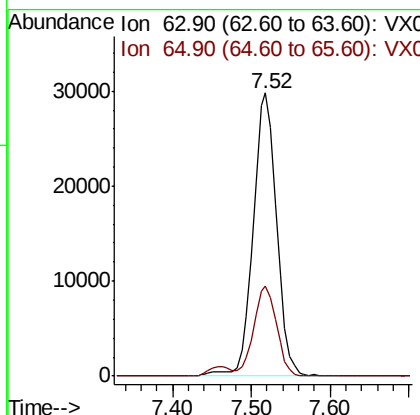
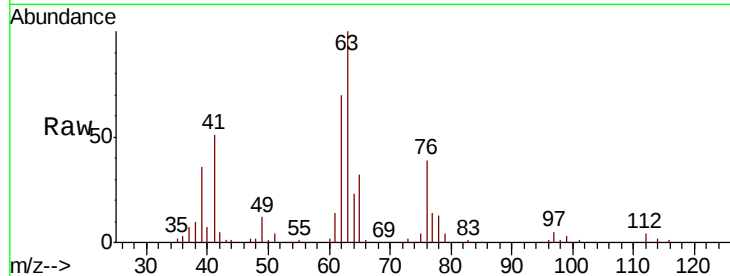
#45
 1,2-Dichloropropane
 Concen: 20.04 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX004466.D
 Acq: 11 Sep 2018 13:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 61495
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.3 36.5

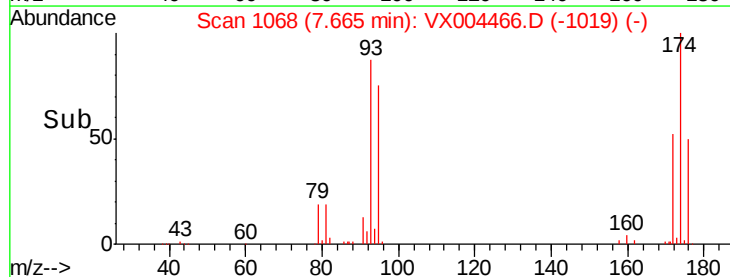
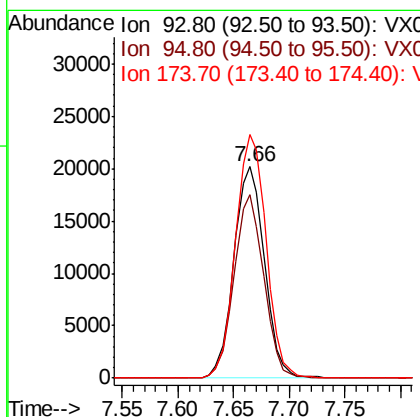
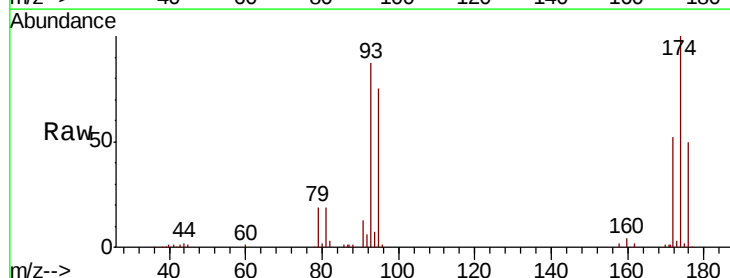
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#46
 Dibromomethane
 Concen: 19.82 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX004466.D
 Acq: 11 Sep 2018 13:27

Tgt Ion: 93 Resp: 38429
 Ion Ratio Lower Upper
 93 100
 95 84.7 65.5 98.3
 174 115.4 94.2 141.4





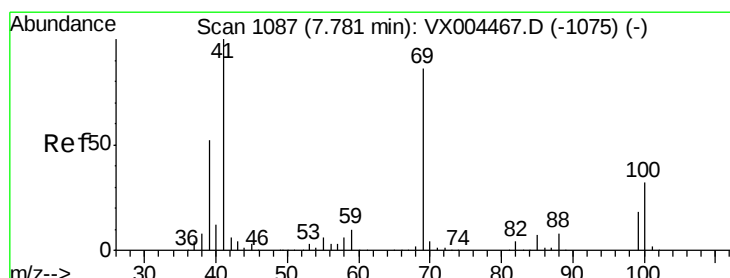
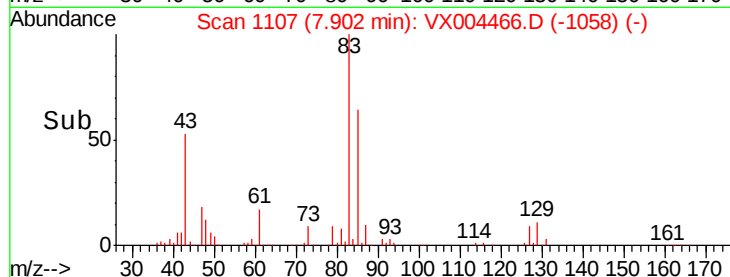
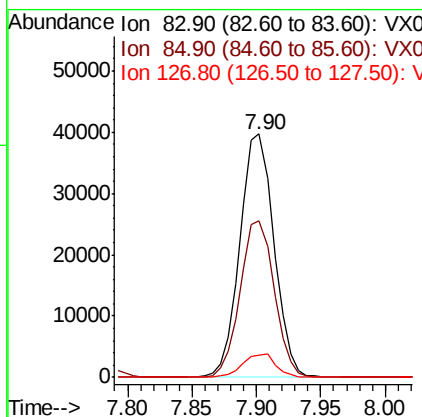
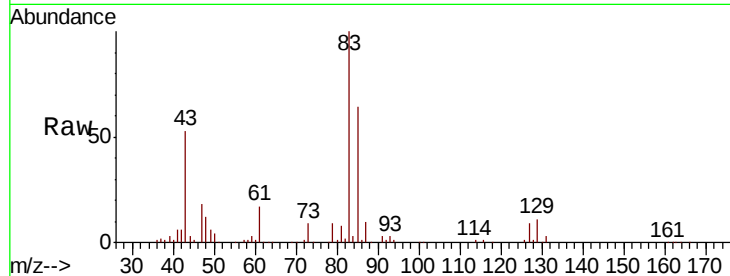
#47
Bromodichloromethane
Concen: 19.87 ug/l
RT: 7.90 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	72843
Ion Ratio	100	Lower	Upper
83	100		
85	64.3	50.9	76.3
127	9.3	7.3	10.9

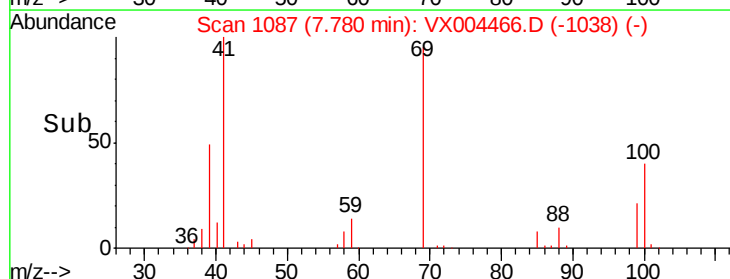
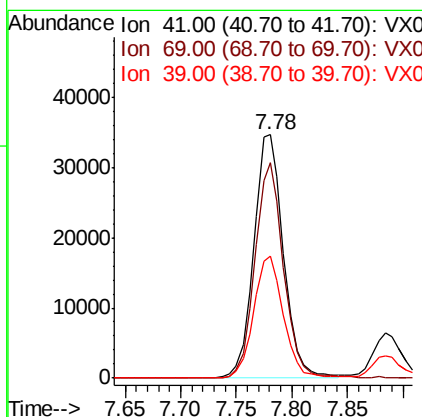
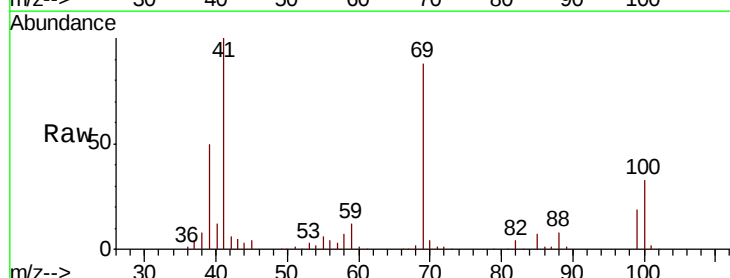
Manual Integrations
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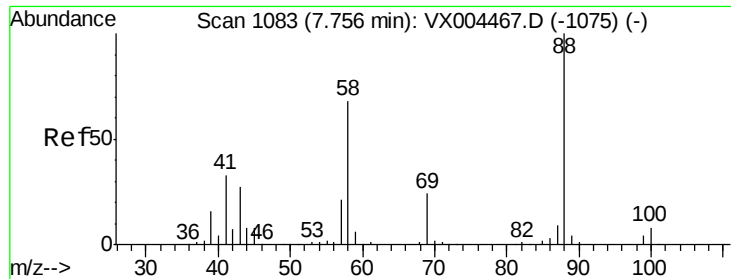
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#48
Methyl methacrylate
Concen: 20.00 ug/l
RT: 7.78 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

Tgt Ion	41	Resp	64269
Ion Ratio	100	Lower	Upper
41	100		
69	85.6	70.2	105.4
39	49.9	42.7	64.1





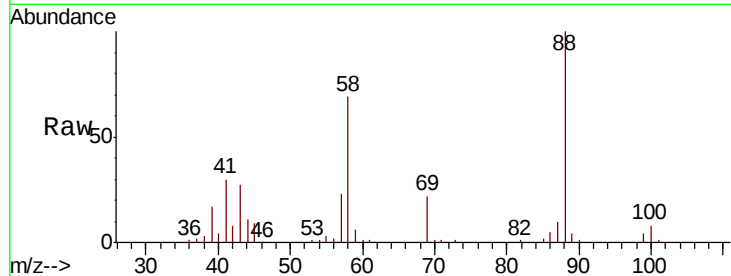
#49
1,4-Dioxane
Concen: 406.98 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.3	24.7	37.1
58	72.0	55.3	82.9

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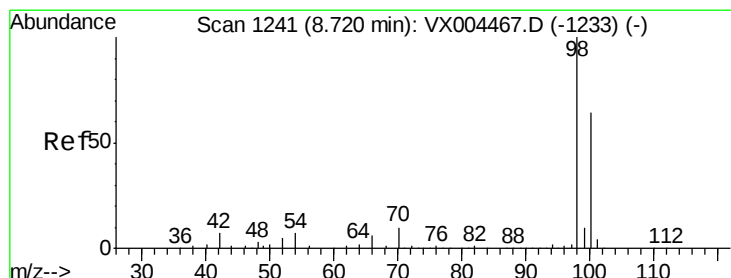
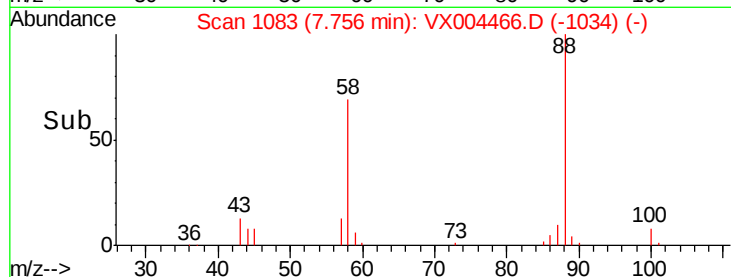
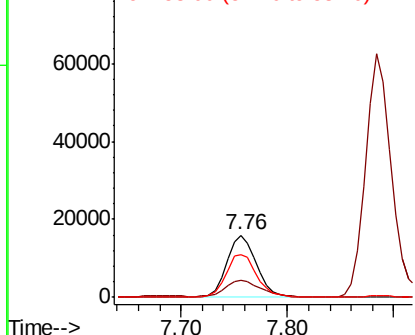


Abundance

Ion 88.00 (87.70 to 88.70): VX0

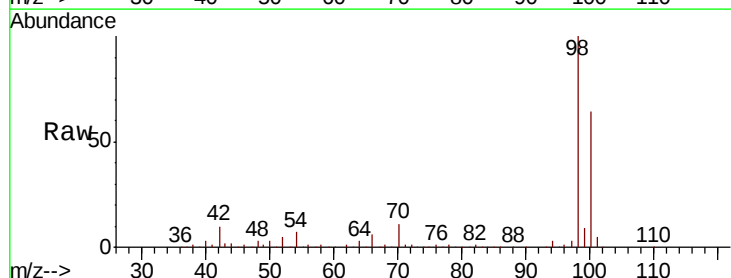
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 18.93 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

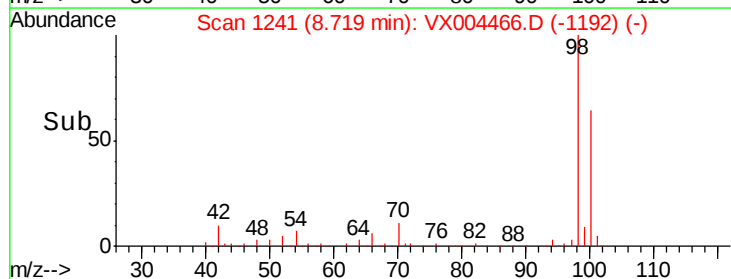
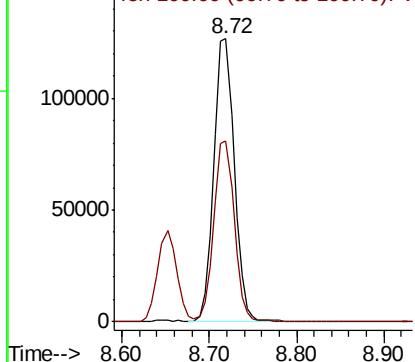
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.9	79.3

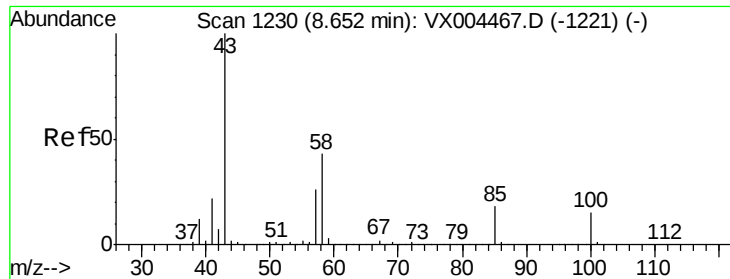


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 93.81 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 429804

Ion Ratio Lower Upper

43 100

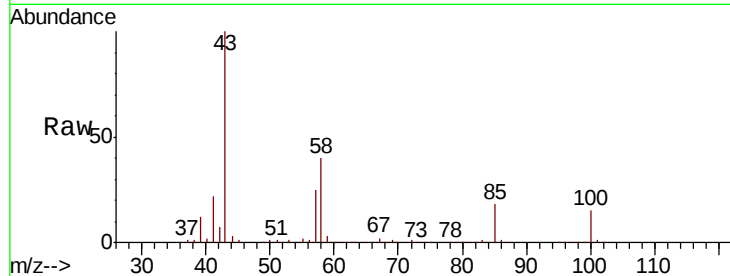
58 39.0 33.1 49.7

Manual Integrations

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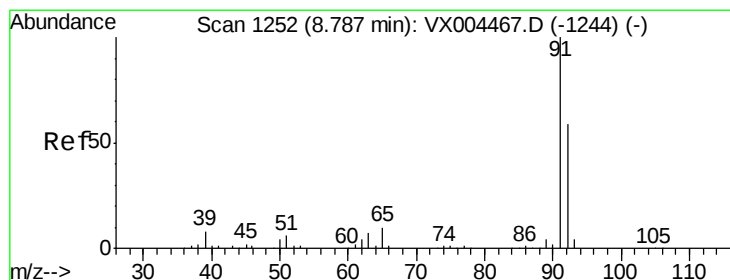
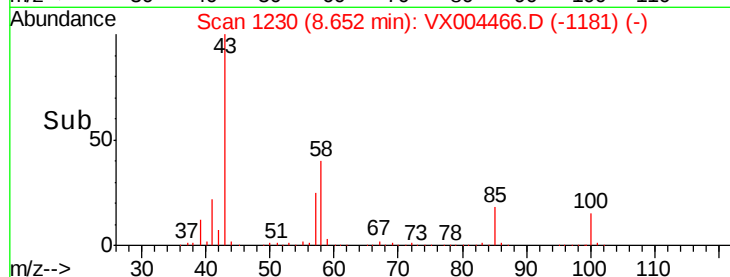
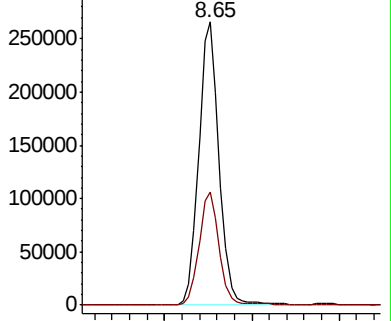
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.97 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004466.D

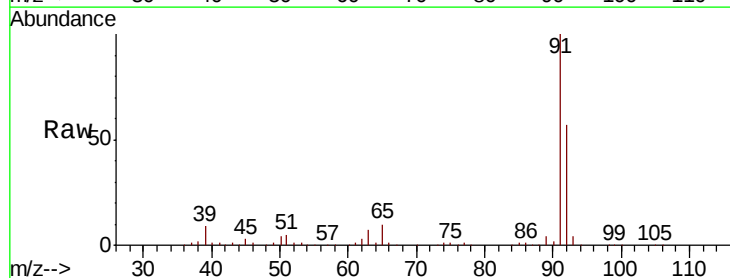
Acq: 11 Sep 2018 13:27

Tgt Ion: 92 Resp: 157532

Ion Ratio Lower Upper

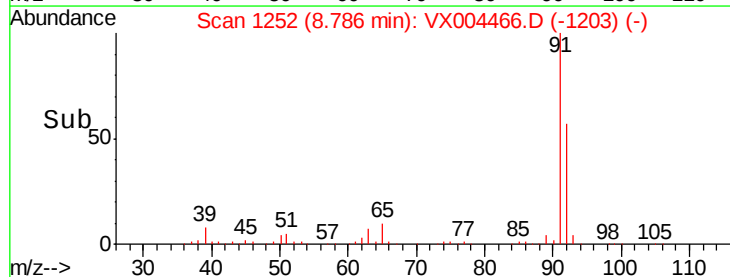
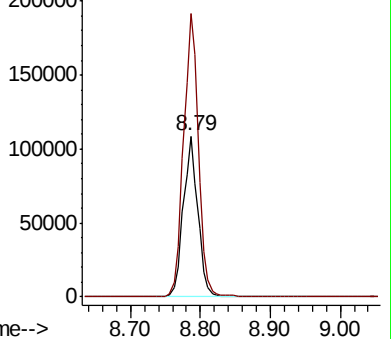
92 100

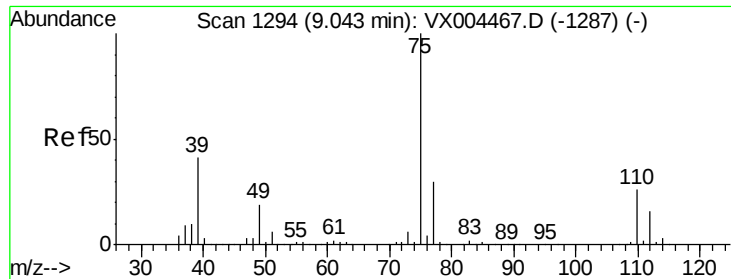
91 179.6 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





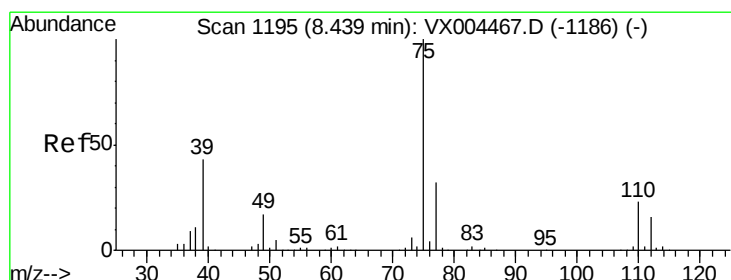
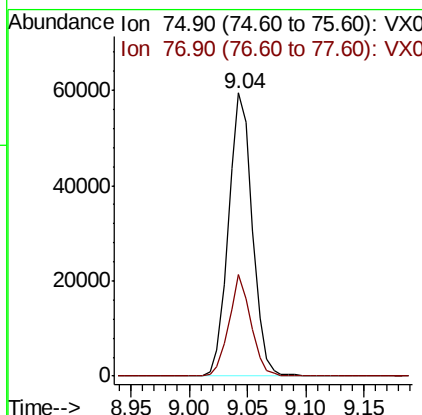
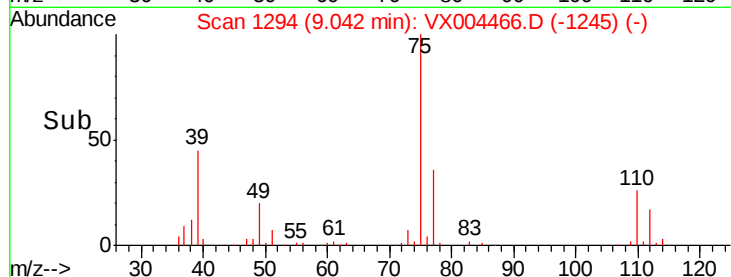
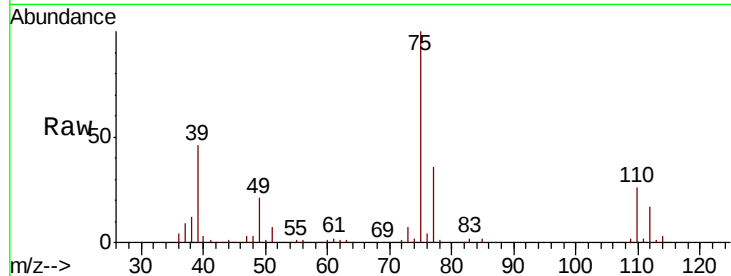
#53
t-1,3-Dichloropropene
Concen: 19.78 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 84710
Ion Ratio Lower Upper
75 100
77 36.0 24.6 37.0

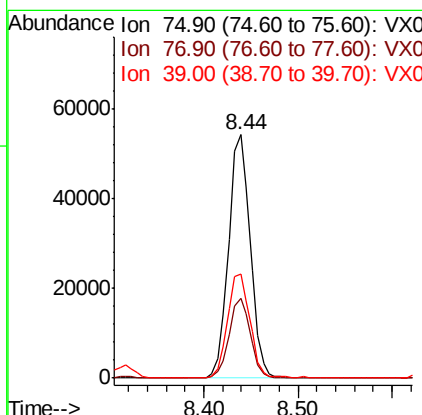
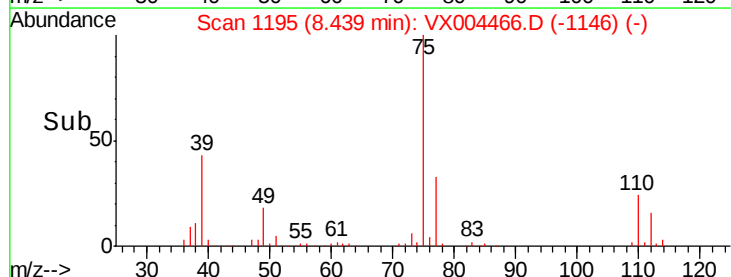
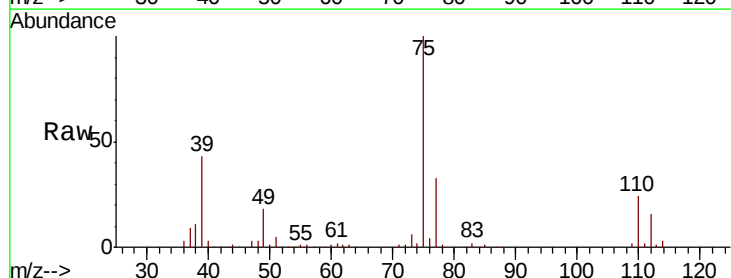
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#54
cis-1,3-Dichloropropene
Concen: 19.92 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

Tgt Ion: 75 Resp: 86962
Ion Ratio Lower Upper
75 100
77 32.9 26.2 39.2
39 42.9 36.4 54.6





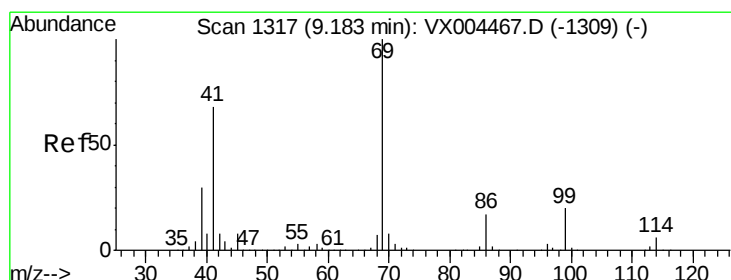
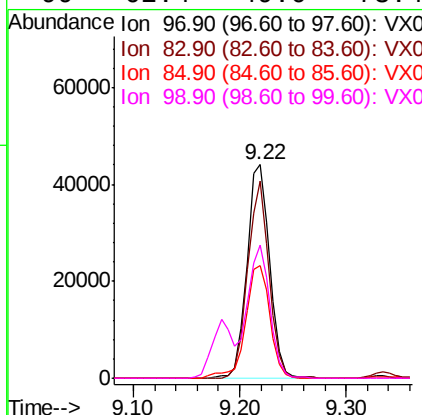
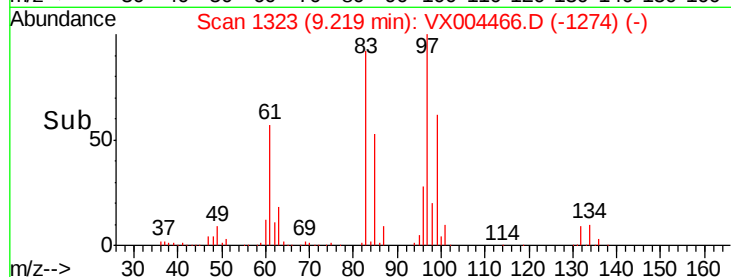
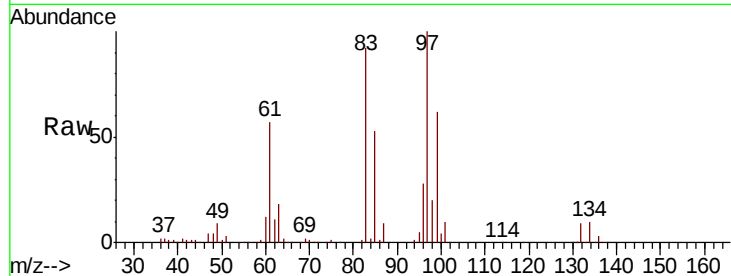
#55
 1,1,2-Trichloroethane
 Concen: 20.40 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX004466.D
 Acq: 11 Sep 2018 13:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	65980
Ion	Ratio	Lower	Upper
97	100		
83	92.3	66.4	99.6
85	52.7	43.3	64.9
99	62.4	49.0	73.4

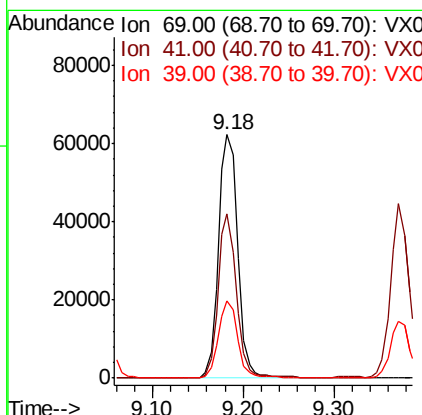
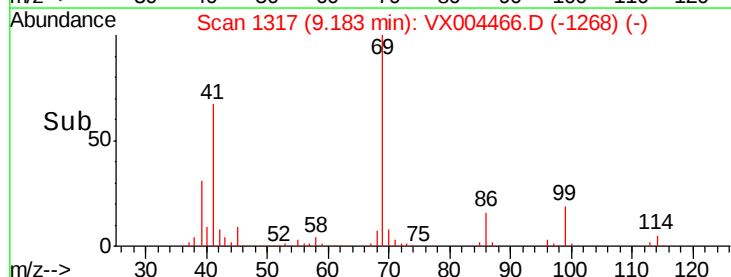
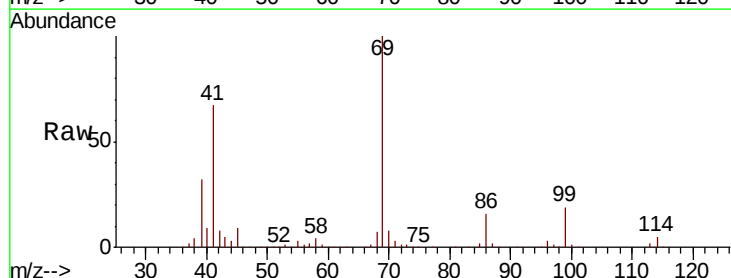
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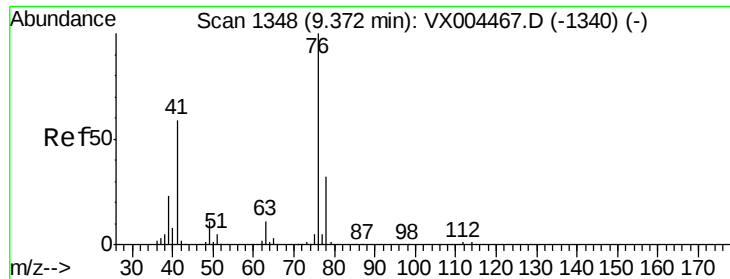
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#56
 Ethyl methacrylate
 Concen: 20.29 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX004466.D
 Acq: 11 Sep 2018 13:27

Tgt Ion:	69	Resp:	92870
Ion	Ratio	Lower	Upper
69	100		
41	63.7	51.0	76.4
39	31.5	26.1	39.1





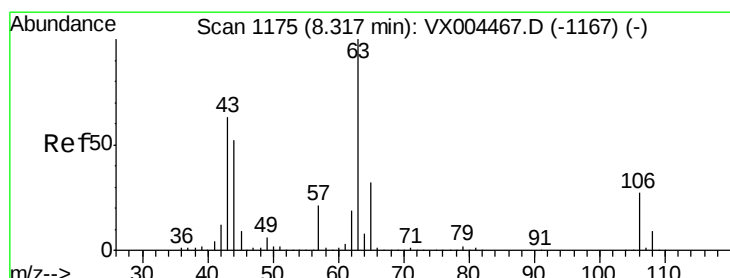
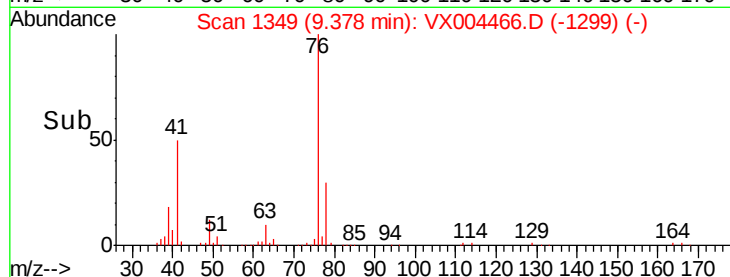
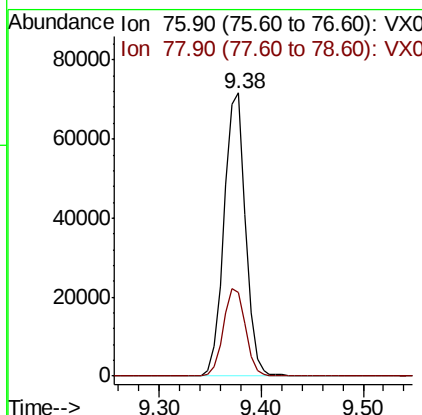
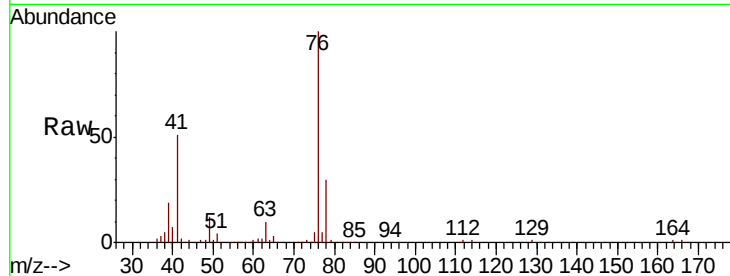
#57
 1,3-Dichloropropane
 Concen: 19.92 ug/l
 RT: 9.38 min Scan# 1349
 Delta R.T. 0.01 min
 Lab File: VX004466.D
 Acq: 11 Sep 2018 13:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 104688
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.5 38.3

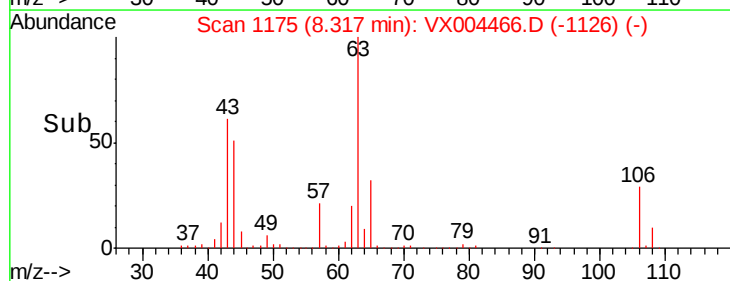
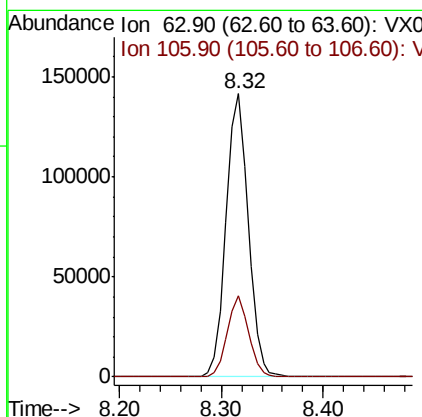
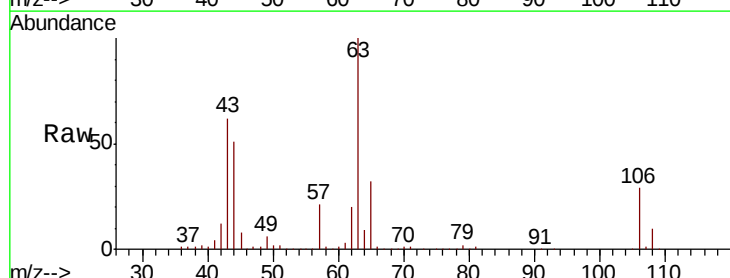
Manual Integrations
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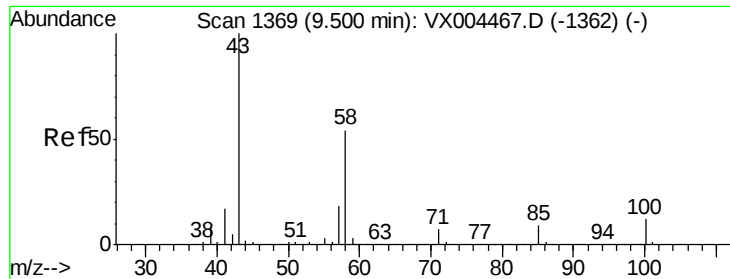
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#58
 2-Chloroethyl Vinyl ether
 Concen: 101.74 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VX004466.D
 Acq: 11 Sep 2018 13:27

Tgt Ion: 63 Resp: 213593
 Ion Ratio Lower Upper
 63 100
 106 27.6 23.9 35.9





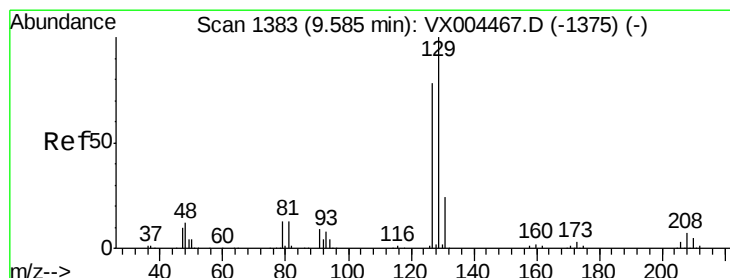
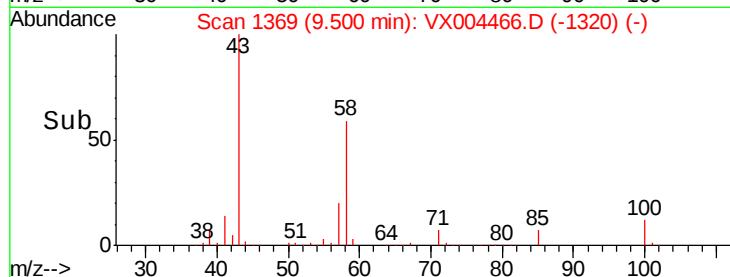
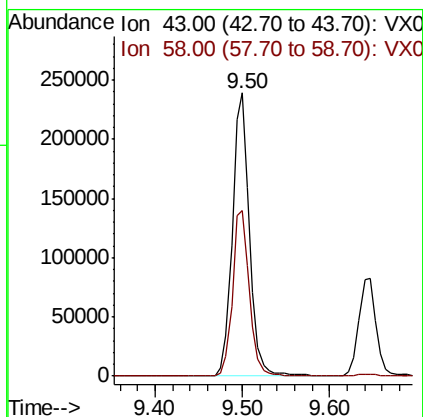
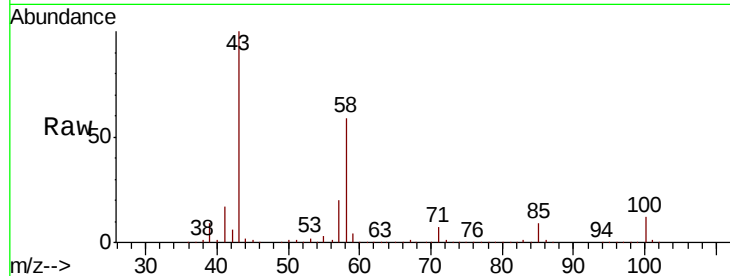
#59
2-Hexanone
Concen: 92.83 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.4	29.0	87.0

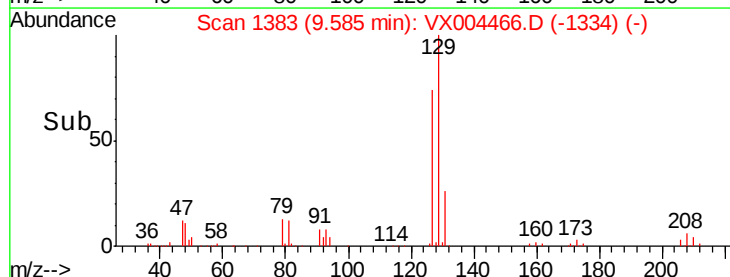
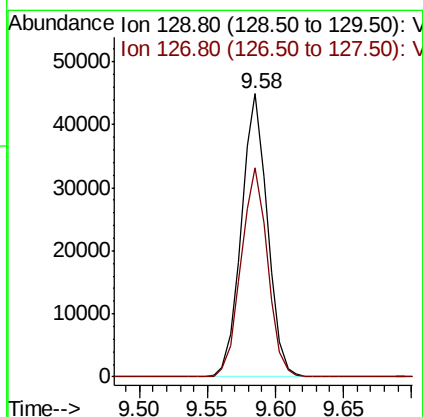
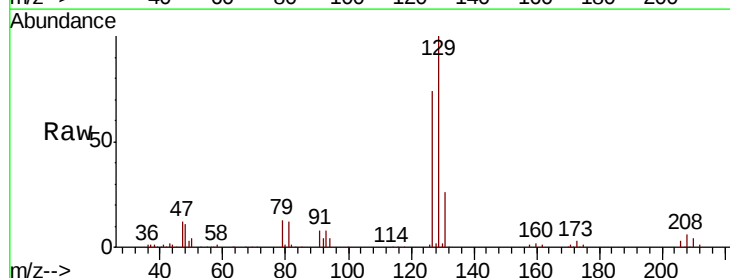
Manual Integrations
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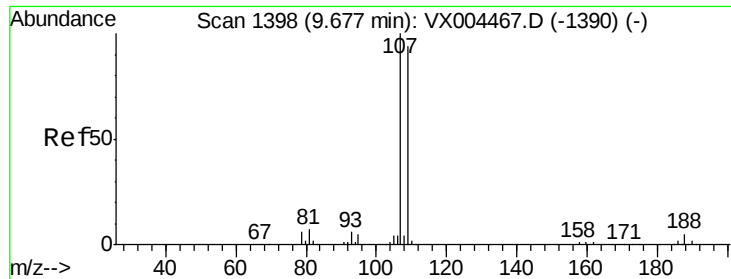
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#60
Dibromochloromethane
Concen: 19.71 ug/l
RT: 9.58 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.3	38.5	115.5





#61

1,2-Dibromoethane

Concen: 19.58 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 60512

Ion Ratio Lower Upper

107 100

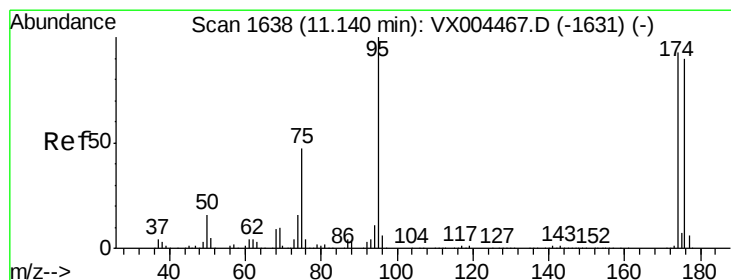
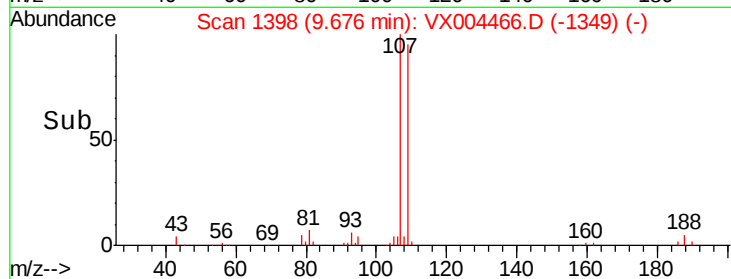
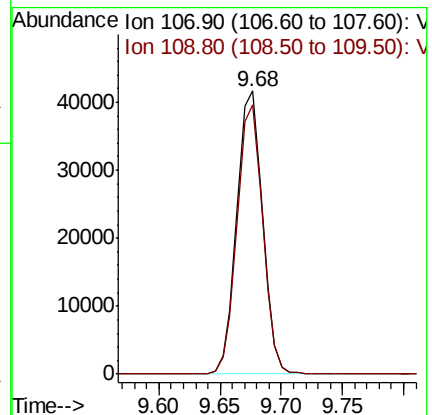
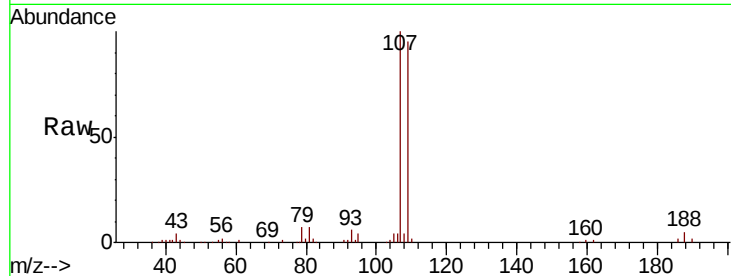
109 94.8 76.0 114.0

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#62

4-Bromofluorobenzene

Concen: 18.36 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

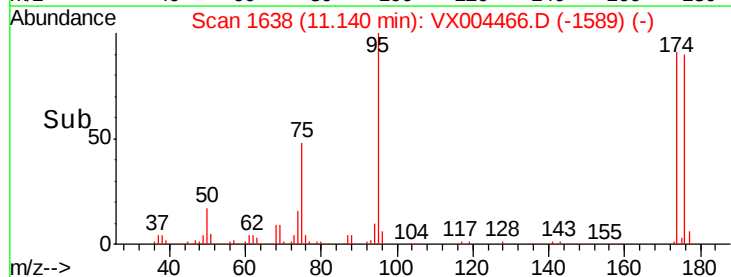
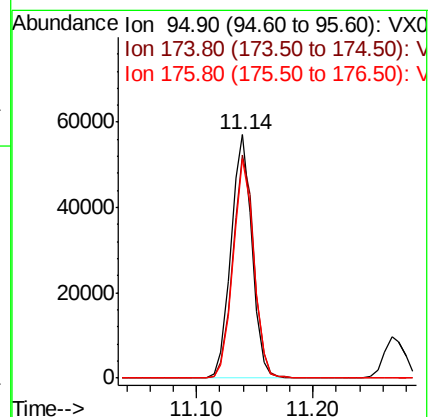
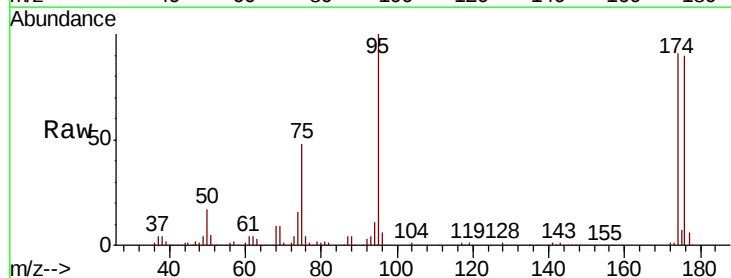
Tgt Ion: 95 Resp: 71213

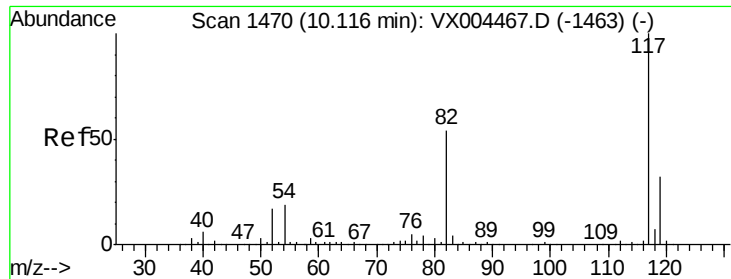
Ion Ratio Lower Upper

95 100

174 92.4 0.0 185.2

176 89.3 0.0 178.6





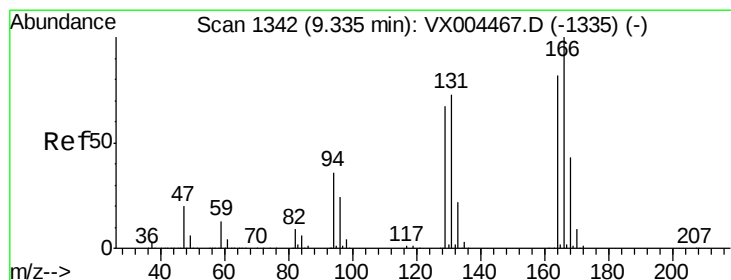
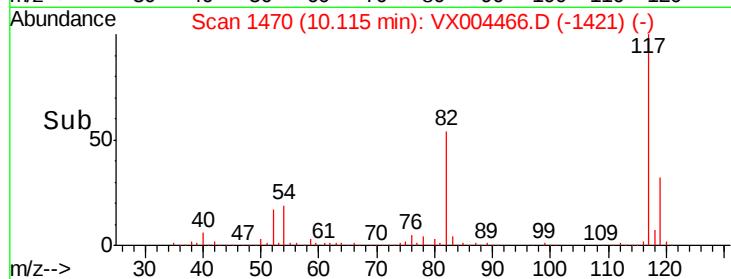
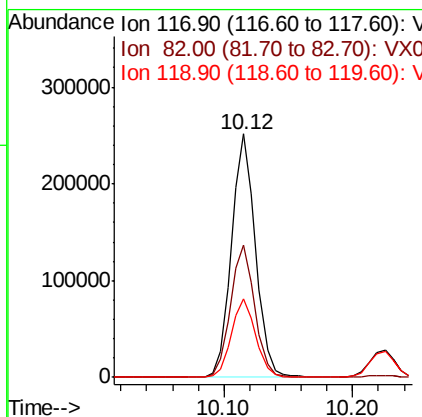
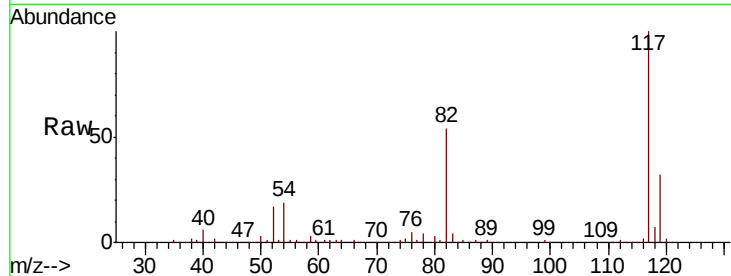
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	47.8	71.6
119	32.0	29.3	43.9

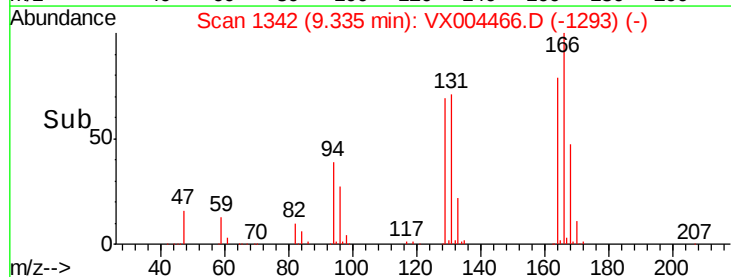
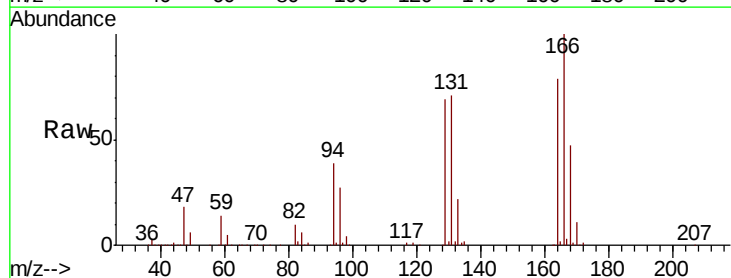
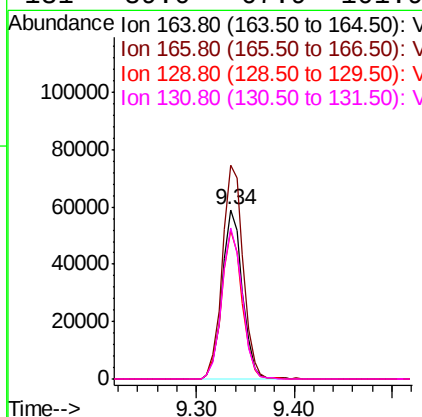
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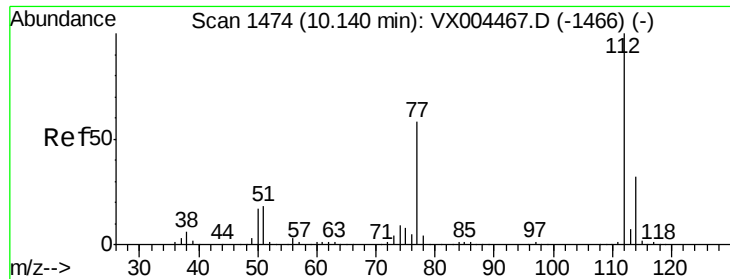
MMDadoda
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#64
Tetrachloroethene
Concen: 20.61 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.1	102.8	154.2
129	87.5	69.4	104.0
131	89.0	67.9	101.9





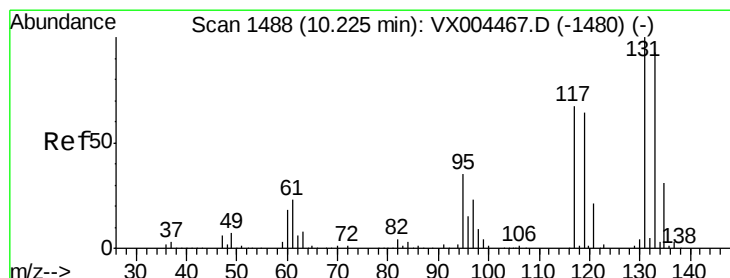
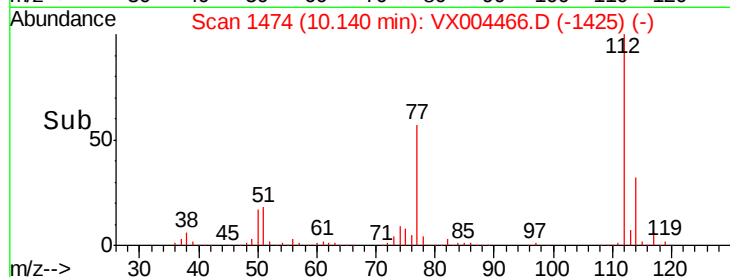
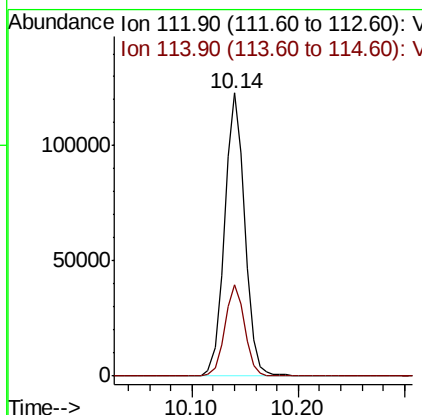
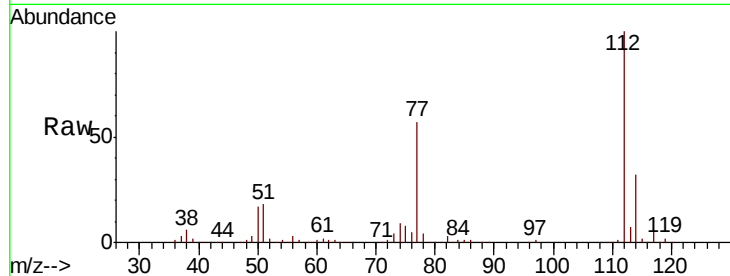
#65
Chlorobenzene
Concen: 19.97 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion:112 Resp: 163148
Ion Ratio Lower Upper
112 100
114 32.4 27.8 41.8

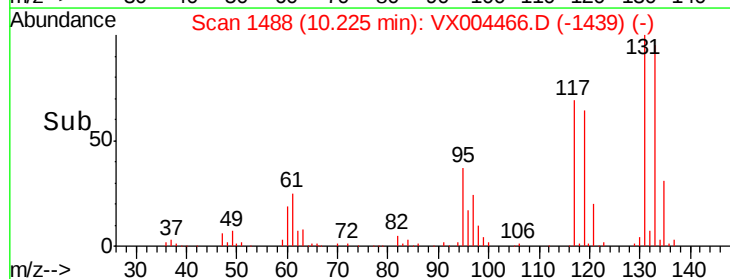
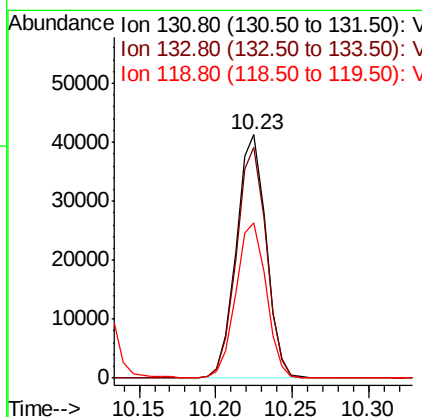
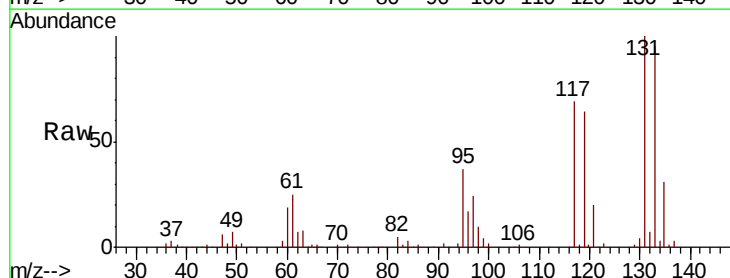
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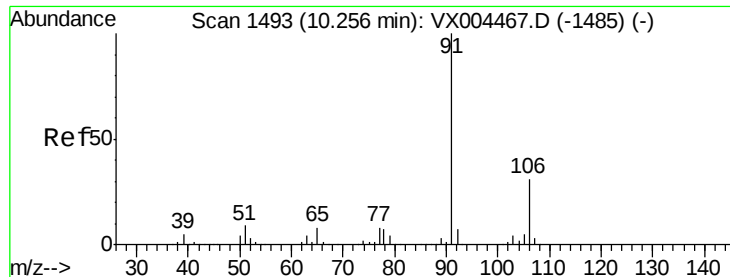
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.80 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

Tgt Ion:131 Resp: 55779
Ion Ratio Lower Upper
131 100
133 95.3 48.1 144.4
119 65.3 32.9 98.6





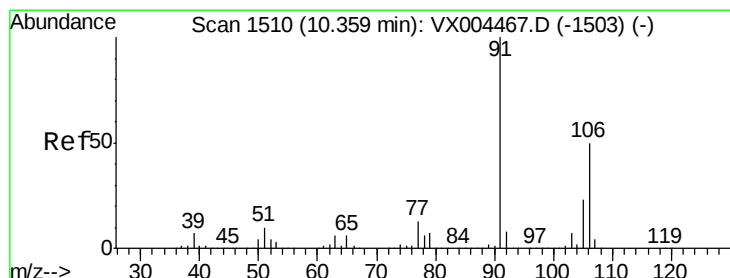
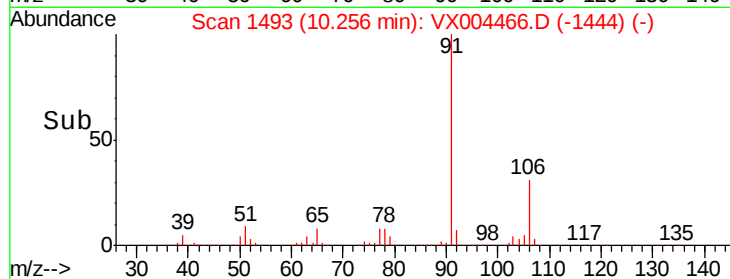
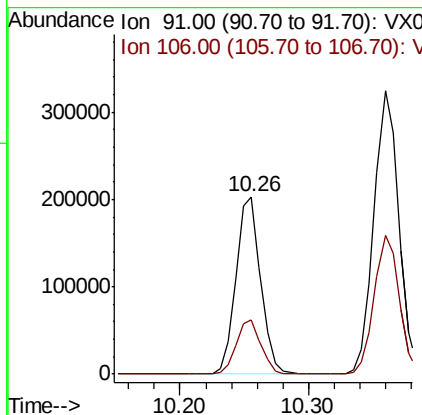
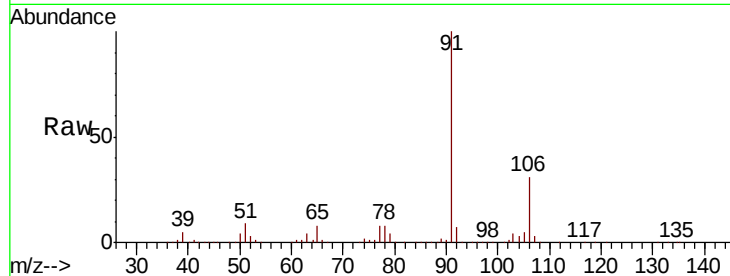
#67
Ethyl Benzene
Concen: 20.37 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion: 91 Resp: 270599
Ion Ratio Lower Upper
91 100
106 30.9 25.9 38.9

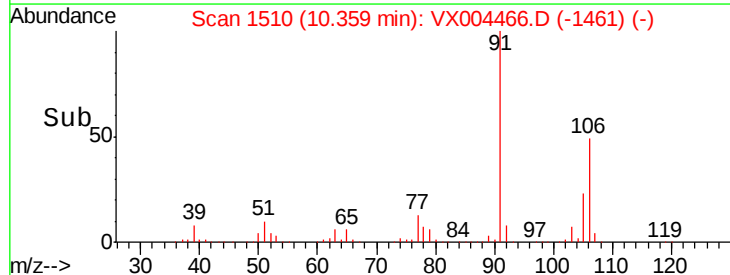
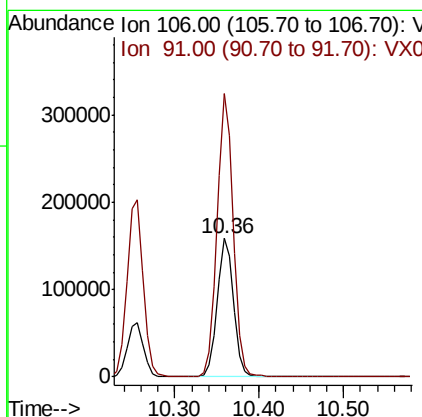
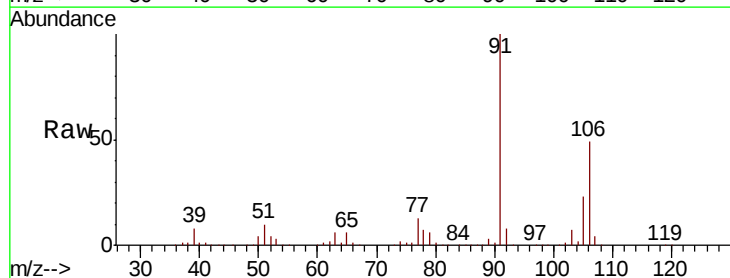
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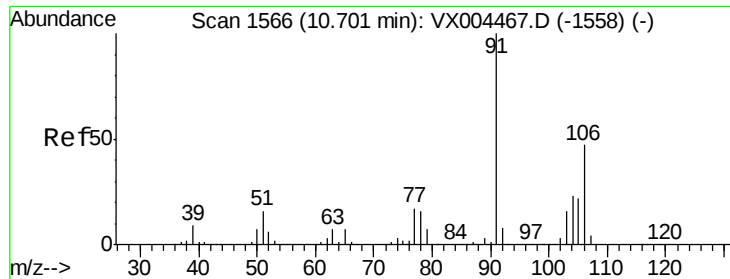
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#68
m/p-Xylenes
Concen: 41.64 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

Tgt Ion: 106 Resp: 213045
Ion Ratio Lower Upper
106 100
91 202.6 157.1 235.7





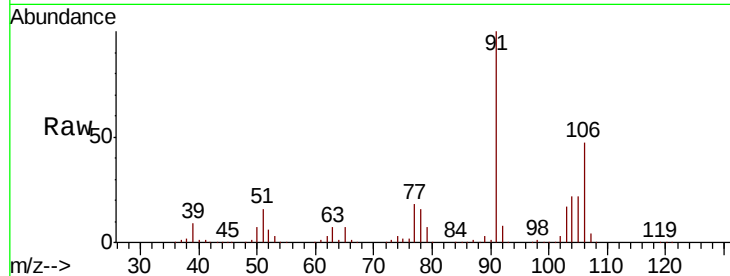
#69
o-Xylene
Concen: 20.25 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

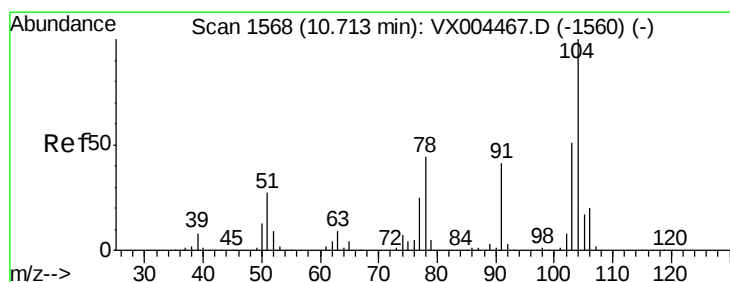
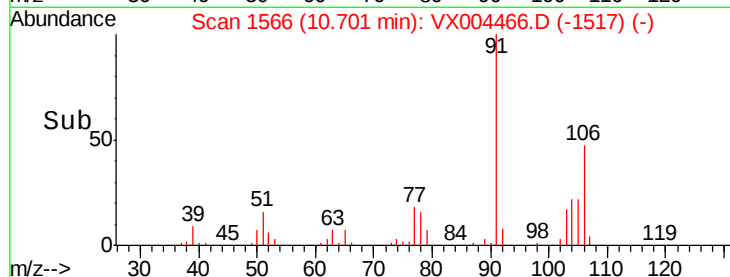
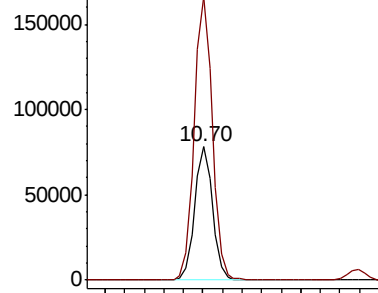
Tot Ion:106 Resp: 99631
Ion Ratio Lower Upper
106 100
91 214.7 105.1 315.1

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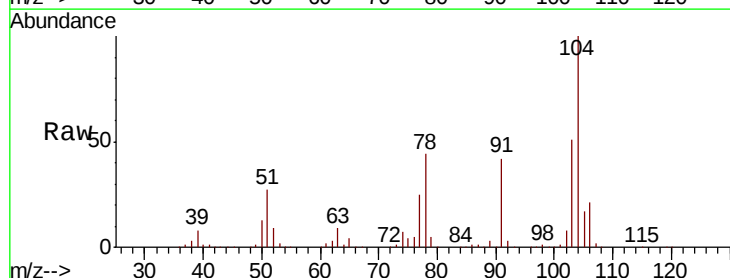


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

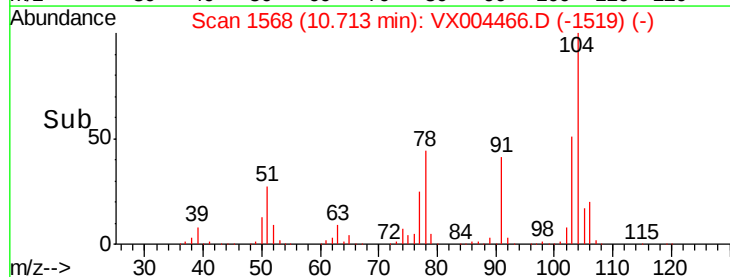
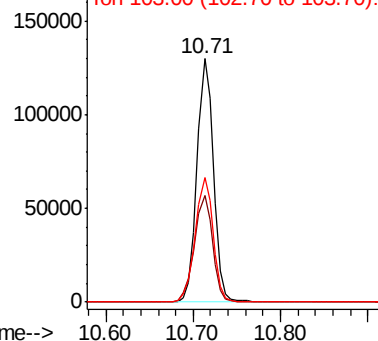


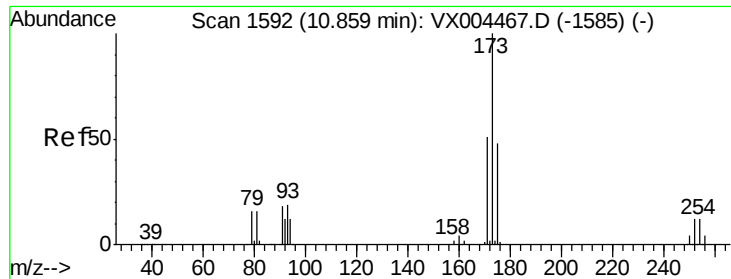
#70
Styrene
Concen: 20.75 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

Tgt Ion:104 Resp: 169127
Ion Ratio Lower Upper
104 100
78 48.6 37.4 56.0
103 55.9 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.41 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 44887

Ion Ratio Lower Upper

173 100

175 49.0 24.1 72.3

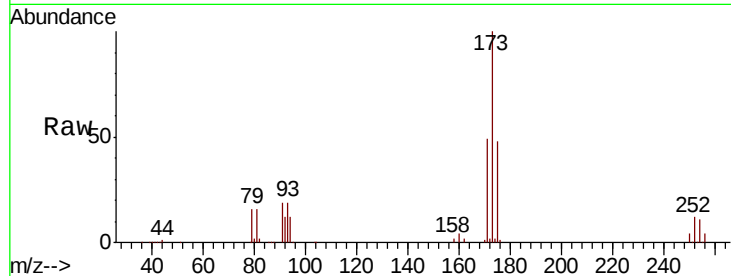
254 0.1 0.2 0.2#

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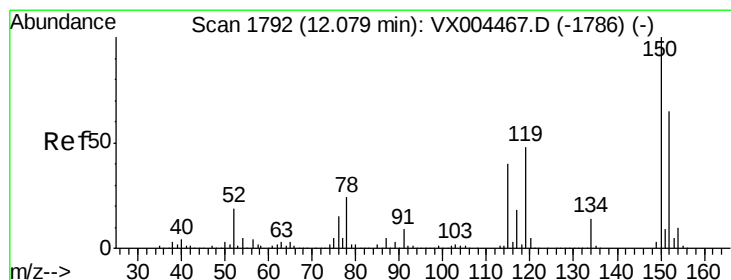
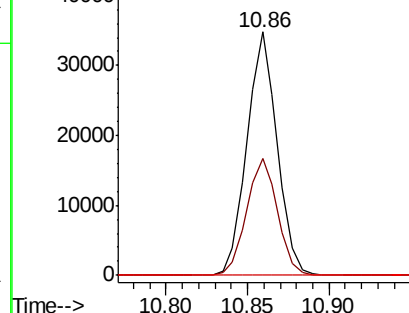
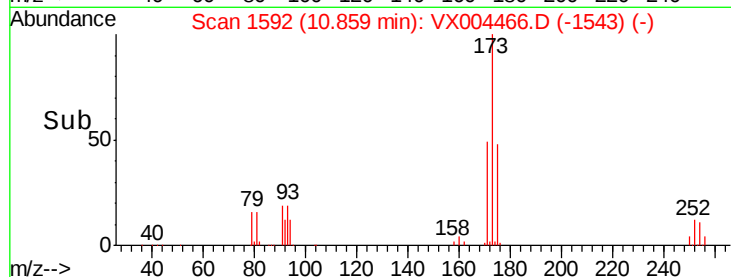
9/12/2018 11:26:14 AM



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: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

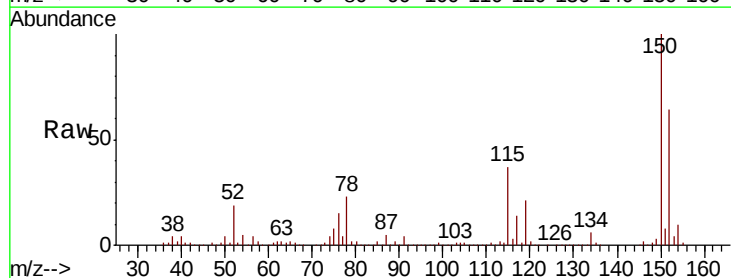
Tgt Ion:152 Resp: 198277

Ion Ratio Lower Upper

152 100

115 64.2 39.0 117.0

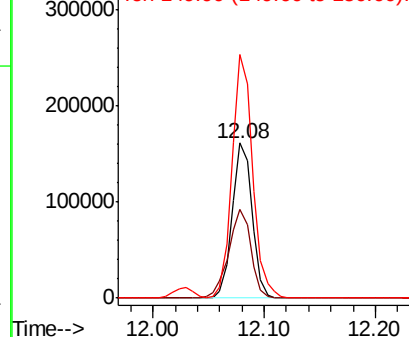
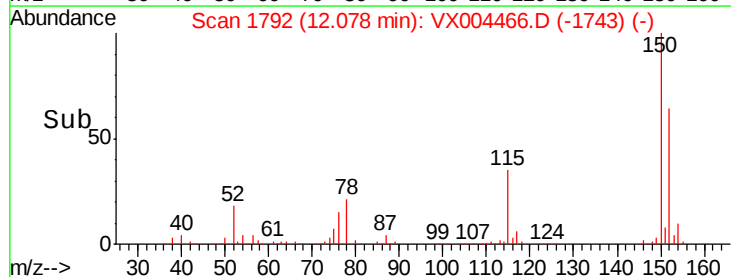
150 163.0 0.0 351.0

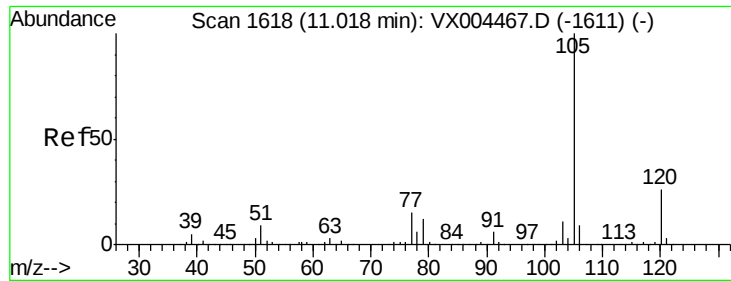


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.92 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 273222

Ion Ratio Lower Upper

105 100

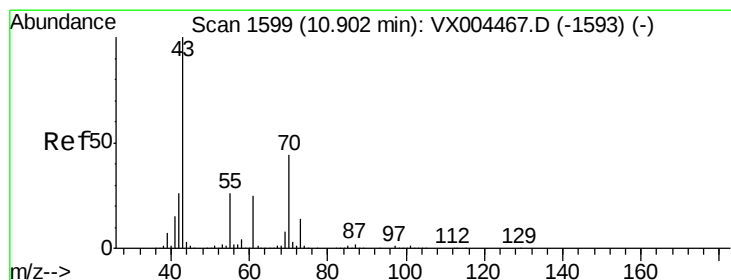
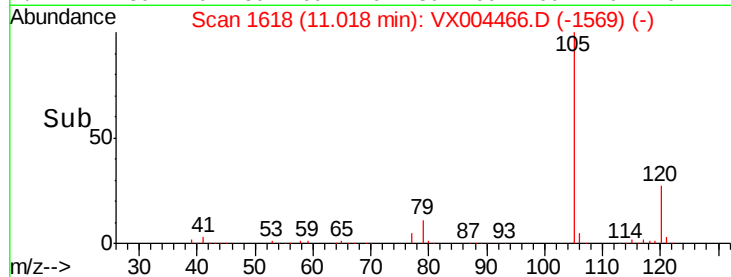
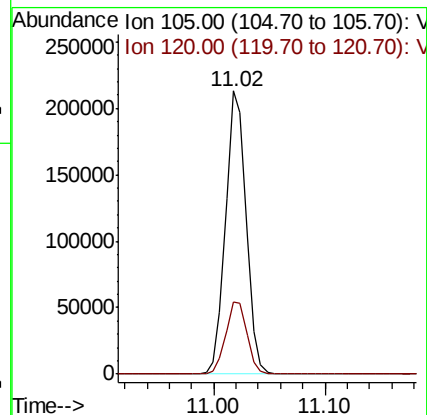
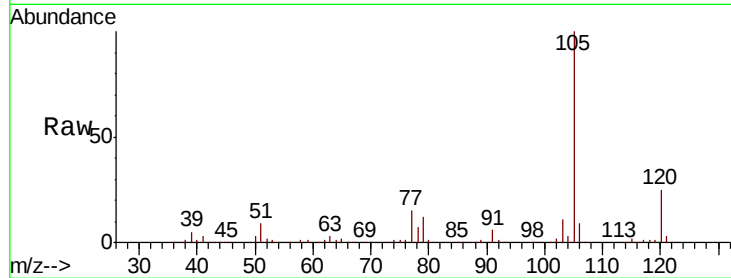
120 26.5 13.5 40.4

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#74

N-ethyl acetate

Concen: 19.71 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Tgt Ion: 43 Resp: 108306

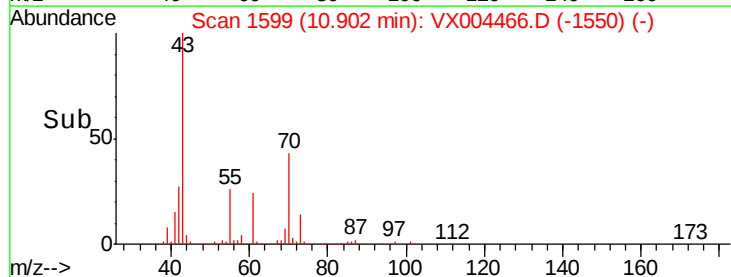
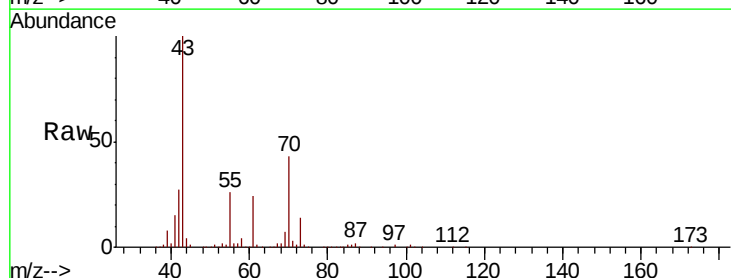
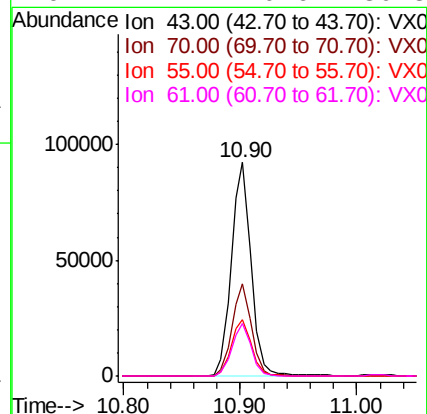
Ion Ratio Lower Upper

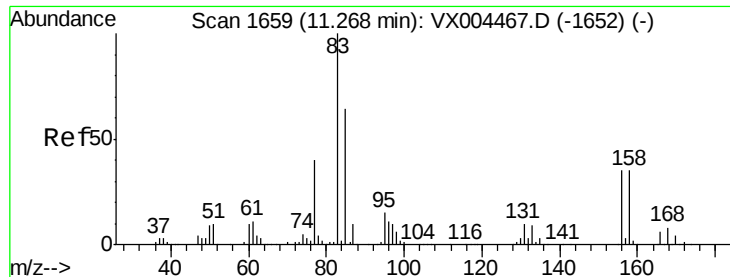
43 100

70 42.4 37.4 56.0

55 27.5 21.8 32.8

61 24.1 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.54 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

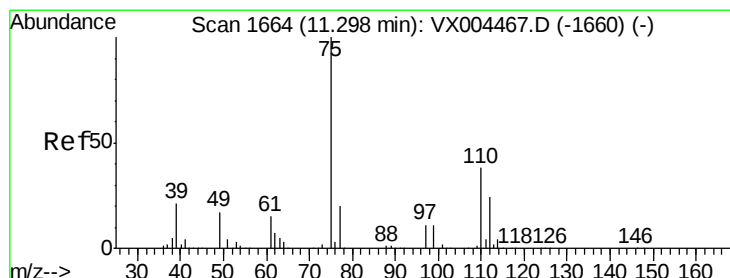
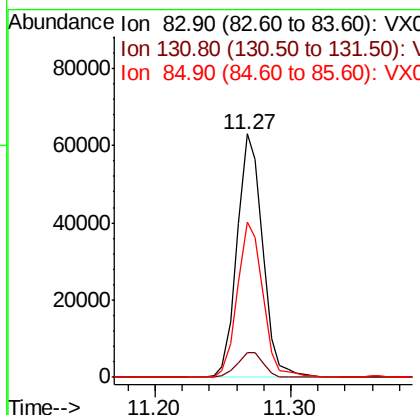
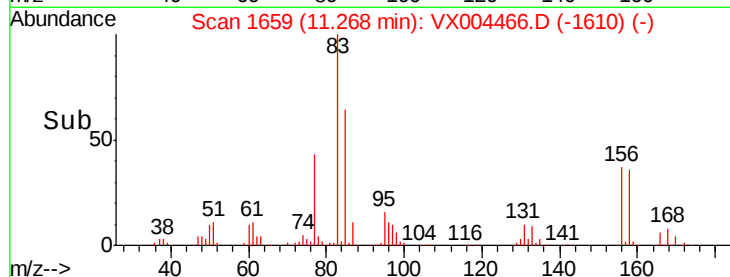
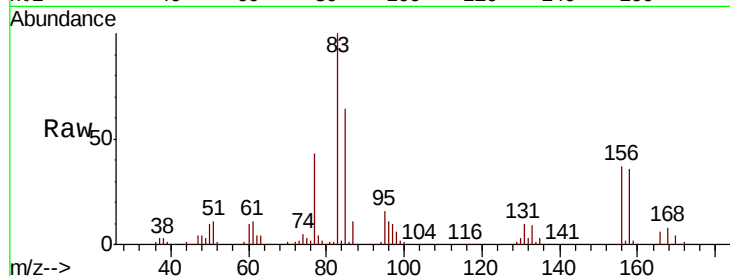
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	82312
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.2	15.6
85	64.0	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 20.82 ug/l m

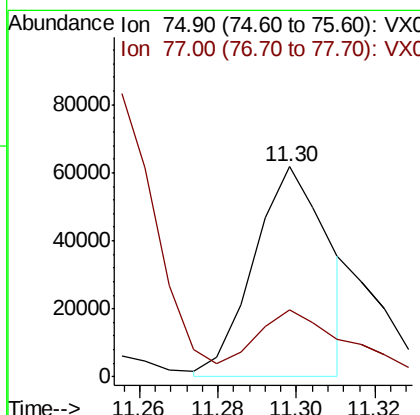
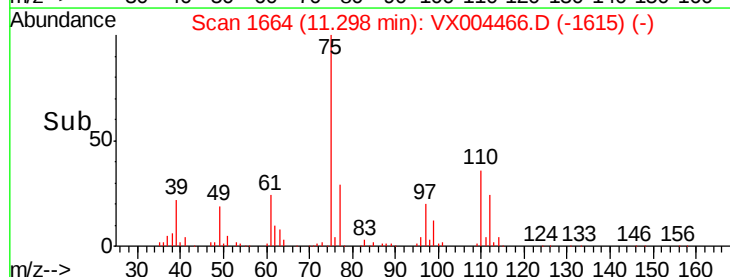
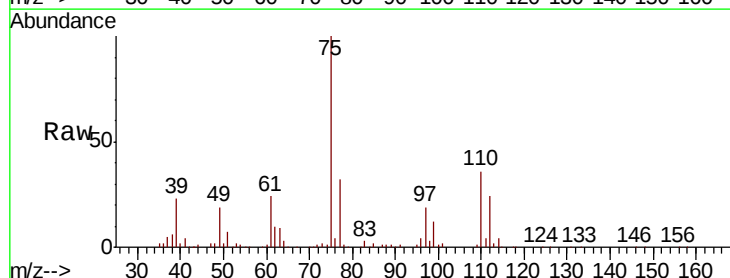
RT: 11.30 min Scan# 1664

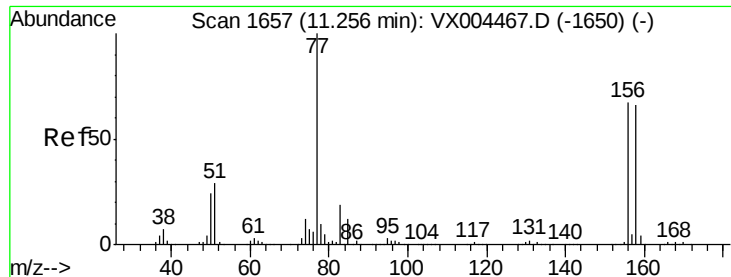
Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Tgt Ion:	75	Resp:	80653
Ion Ratio	Lower	Upper	
75	100		
77	40.1	20.2	60.6





#77

Bromobenzene

Concen: 20.31 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 73309

Ion Ratio Lower Upper

156 100

77 146.0 71.5 214.3

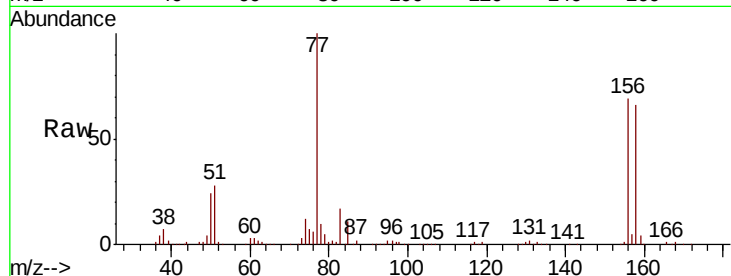
158 95.6 48.9 146.8

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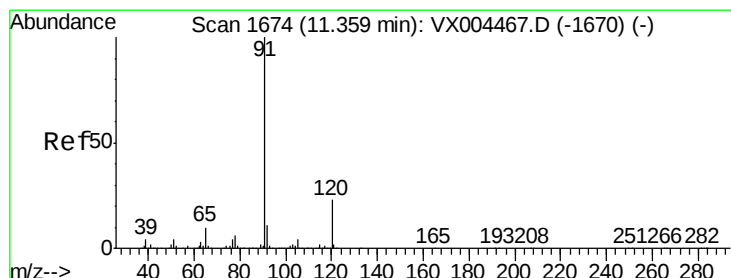
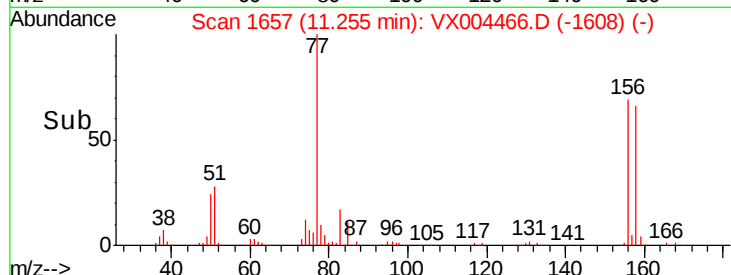
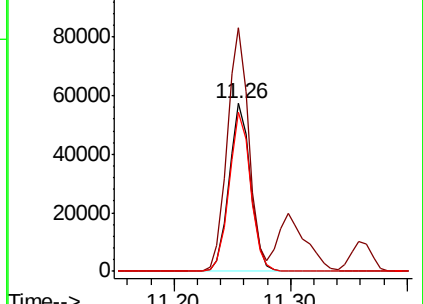
9/12/2018 11:26:14 AM



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: 20.92 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004466.D

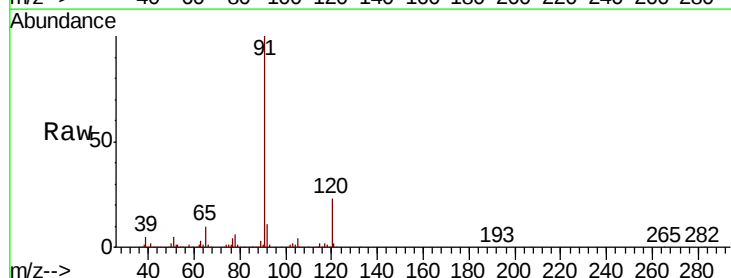
Acq: 11 Sep 2018 13:27

Tgt Ion: 91 Resp: 314106

Ion Ratio Lower Upper

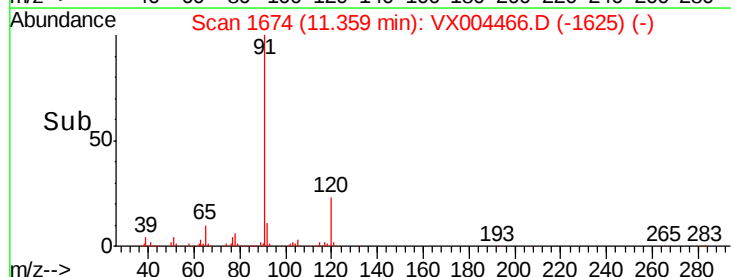
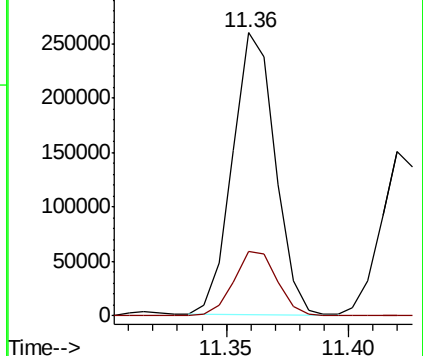
91 100

120 23.6 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.63 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 187848

Ion Ratio Lower Upper

91 100

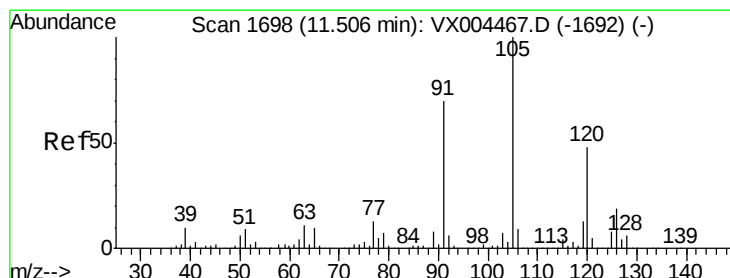
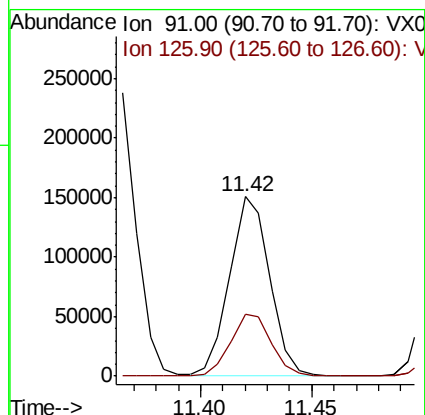
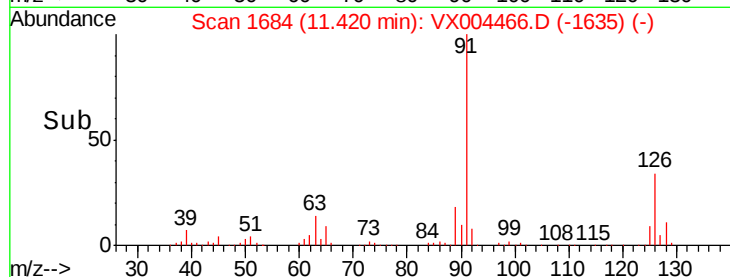
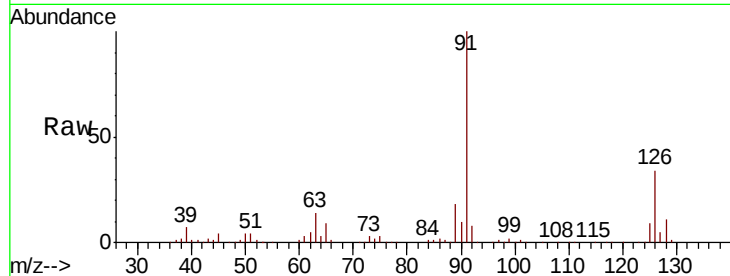
126 35.2 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.06 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX004466.D

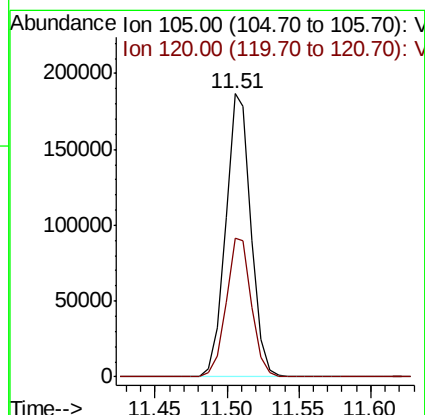
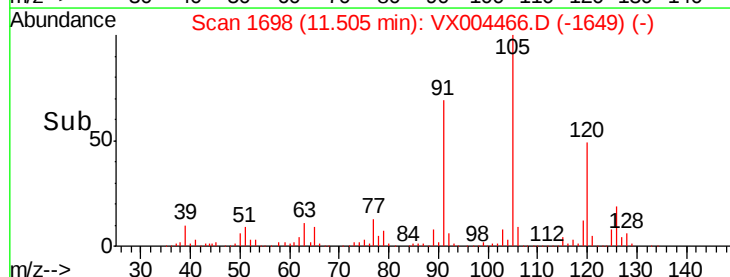
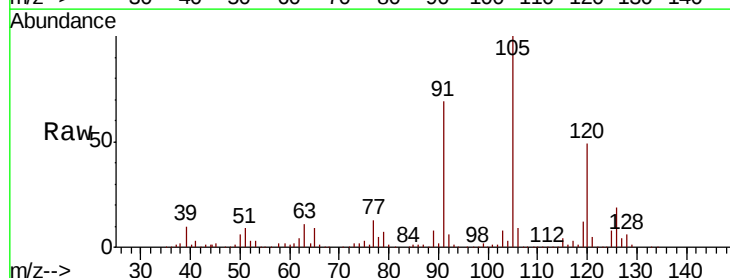
Acq: 11 Sep 2018 13:27

Tgt Ion: 105 Resp: 231163

Ion Ratio Lower Upper

105 100

120 49.3 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.23 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 24068

Ion Ratio Lower Upper

75 100

53 101.3 80.1 120.1

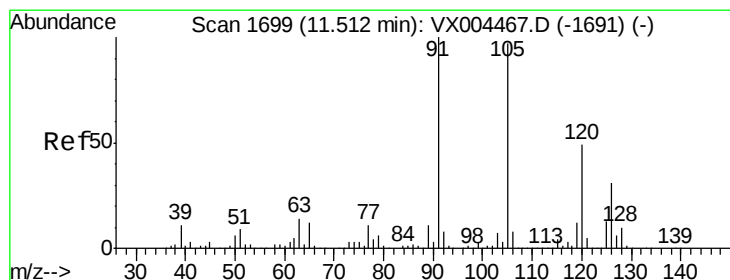
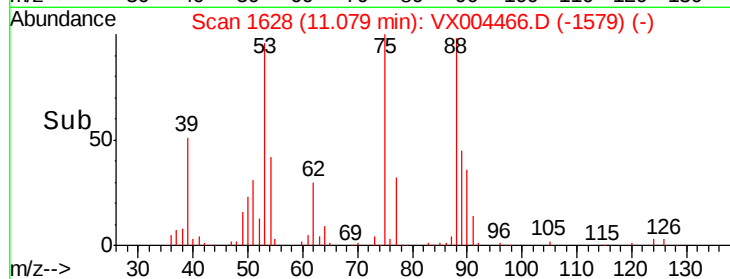
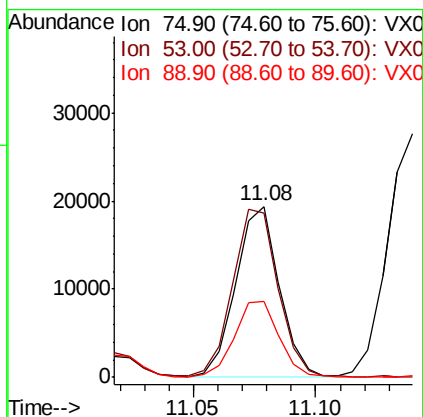
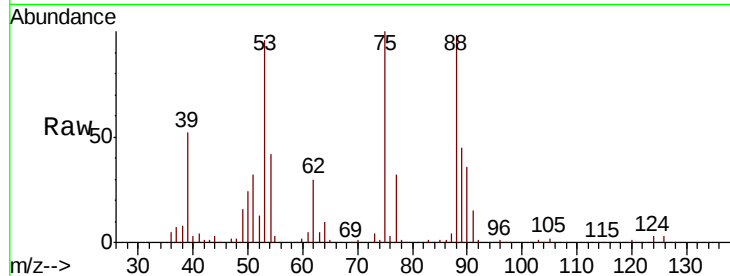
89 45.8 37.2 55.8

Manual Integrations

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#82

4-Chlorotoluene

Concen: 20.89 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX004466.D

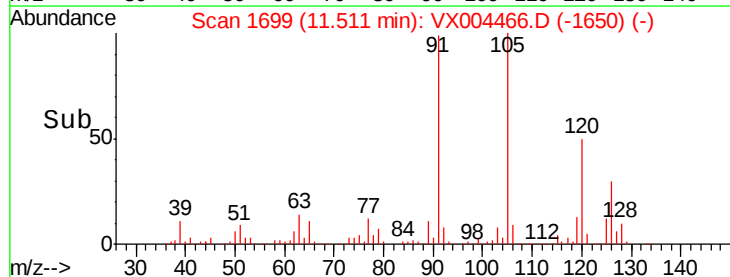
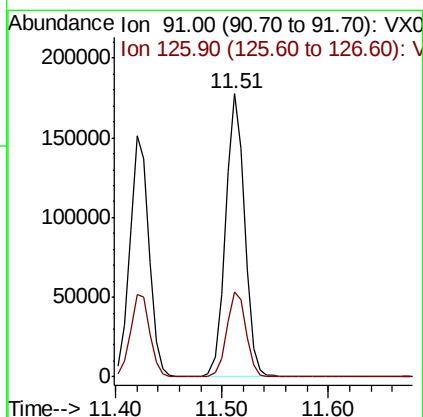
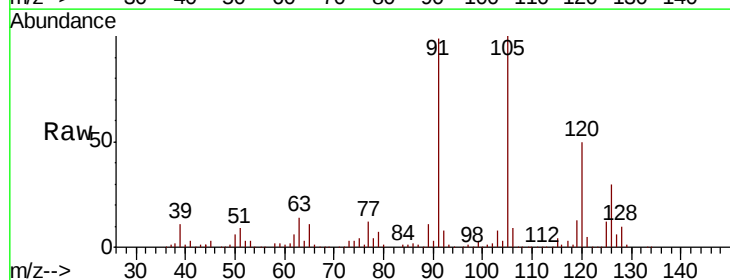
Acq: 11 Sep 2018 13:27

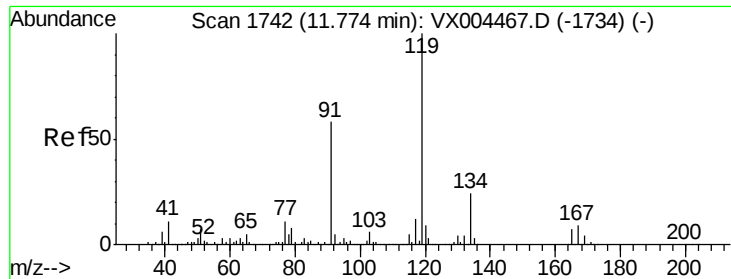
Tgt Ion: 91 Resp: 222010

Ion Ratio Lower Upper

91 100

126 30.6 15.5 46.5





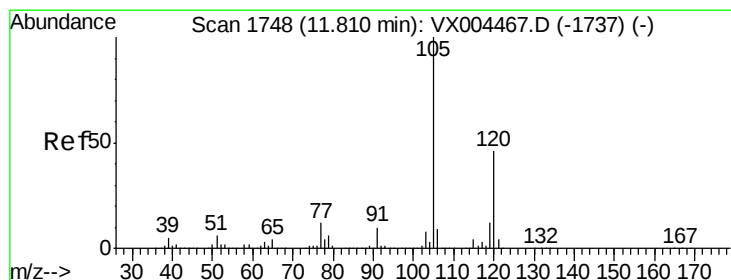
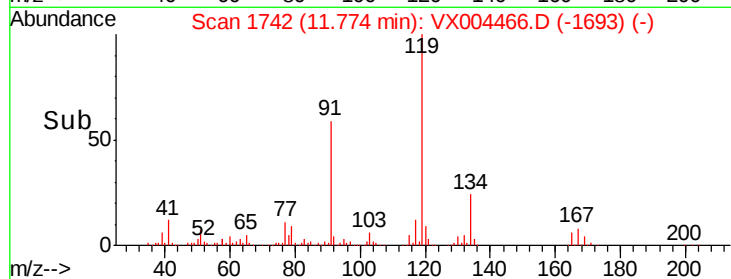
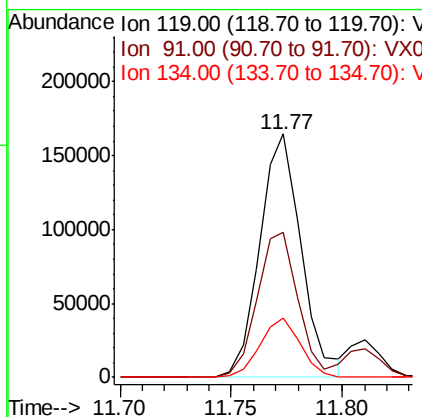
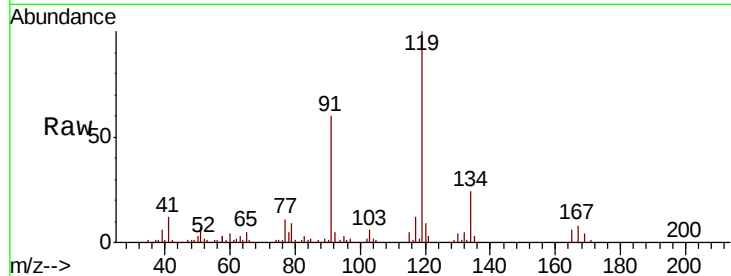
#83
 tert-Butylbenzene
 Concen: 20.36 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX004466.D
 Acq: 11 Sep 2018 13:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	212819		
91	58.6	27.0	81.0	
134	23.8	11.7	35.1	

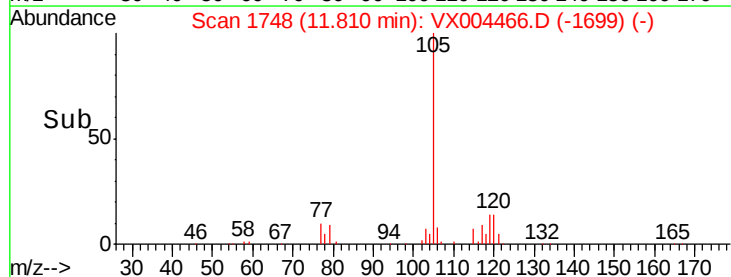
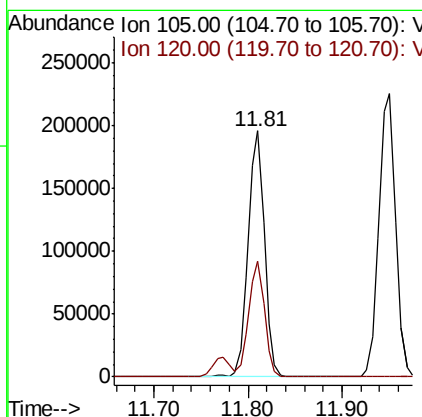
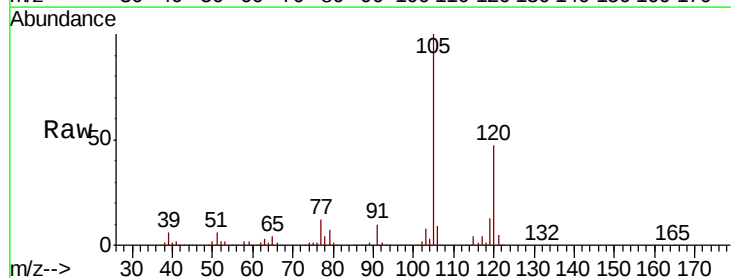
Manual Integrations
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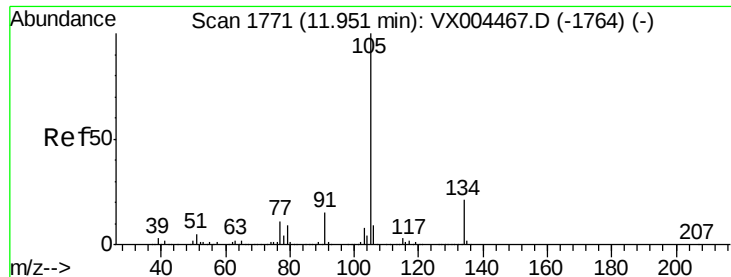
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.19 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX004466.D
 Acq: 11 Sep 2018 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	237532		
120	45.6	23.2	69.6	





#85

sec-Butylbenzene

Concen: 20.84 ug/l

RT: 11.95 min Scan# 1771

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampleID :

VSTDIC020

Tot Ion:105 Resp: 277522

Ion Ratio Lower Upper

105 100

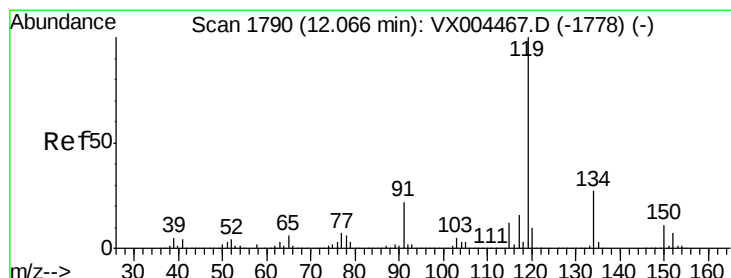
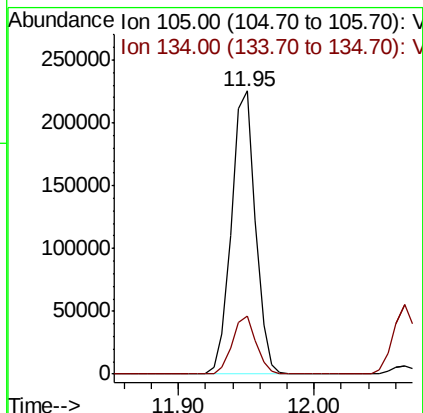
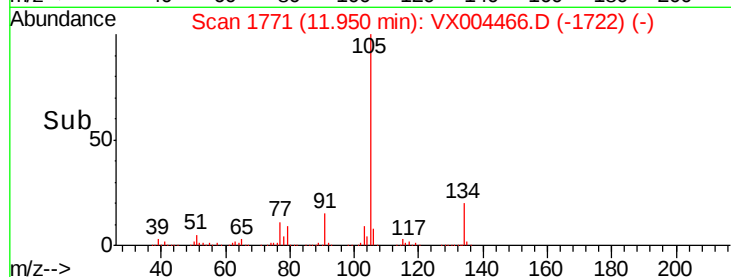
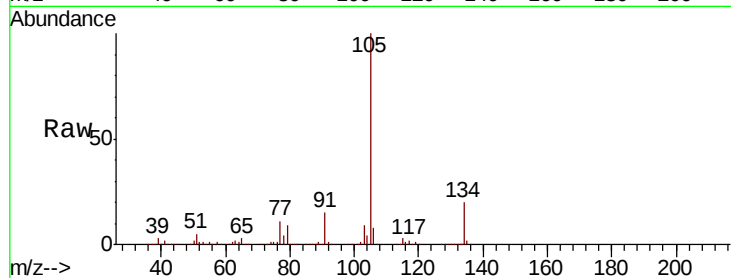
134 20.1 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 21.13 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

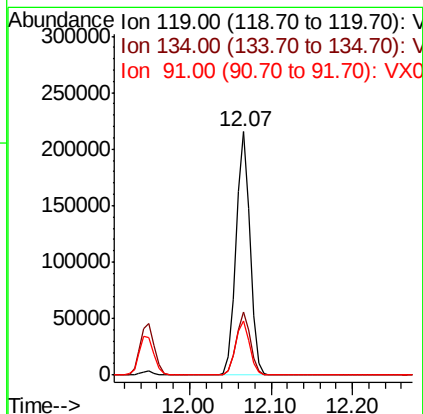
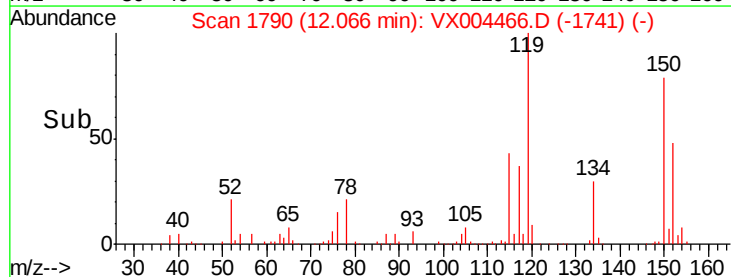
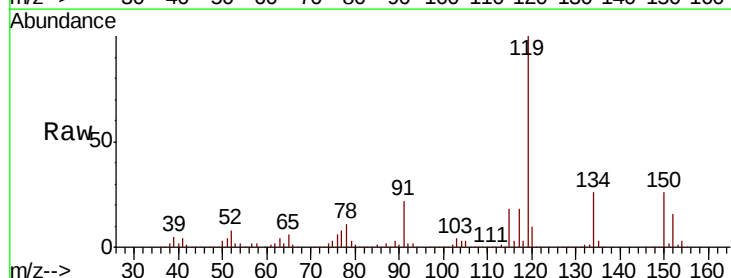
Tgt Ion:119 Resp: 248549

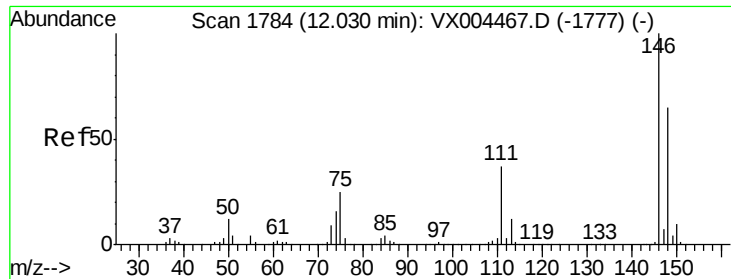
Ion Ratio Lower Upper

119 100

134 25.9 13.4 40.2

91 22.6 10.9 32.7





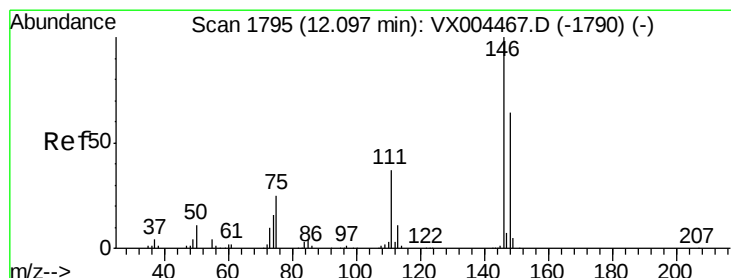
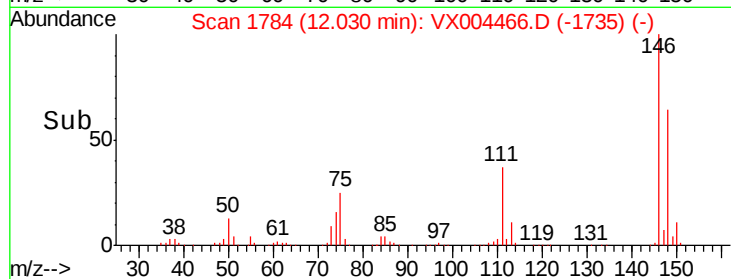
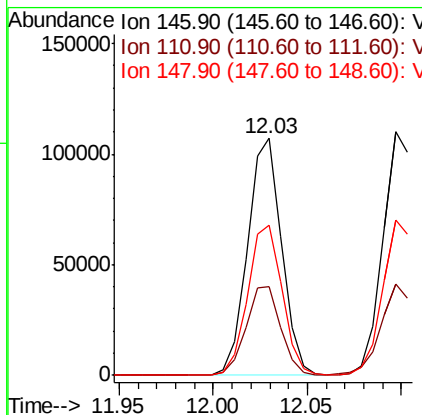
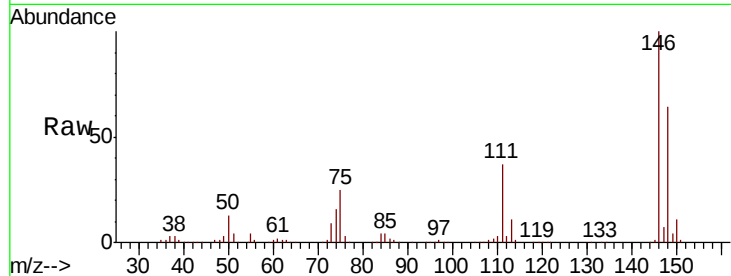
#87
 1,3-Dichlorobenzene
 Concen: 19.93 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX004466.D
 Acq: 11 Sep 2018 13:27

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.7	56.1
148	64.1	32.1	96.5

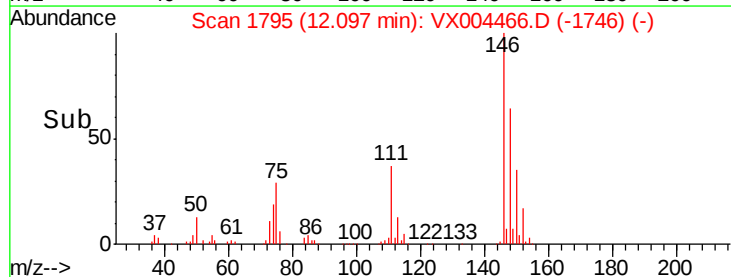
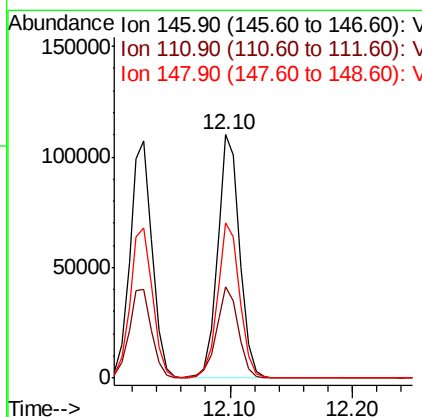
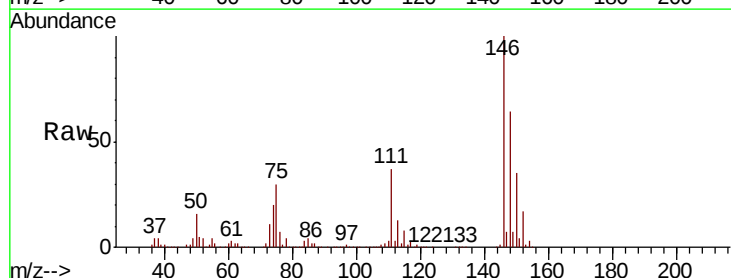
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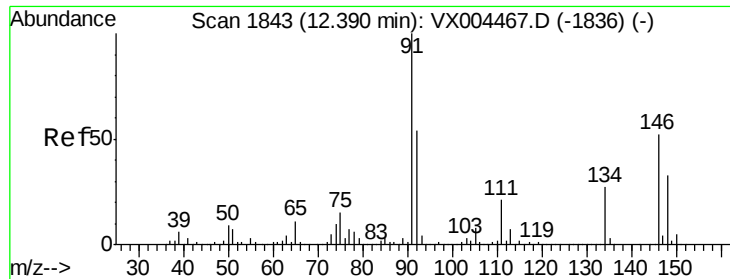
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#88
 1,4-Dichlorobenzene
 Concen: 19.69 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004466.D
 Acq: 11 Sep 2018 13:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.1	54.1
148	64.7	32.0	96.0





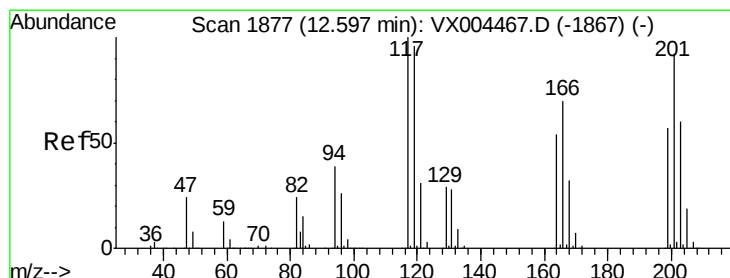
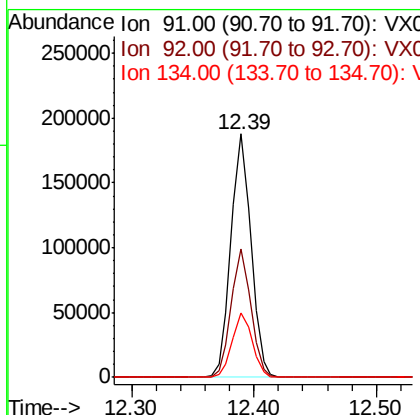
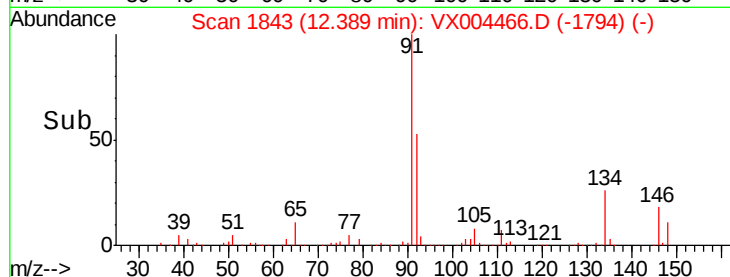
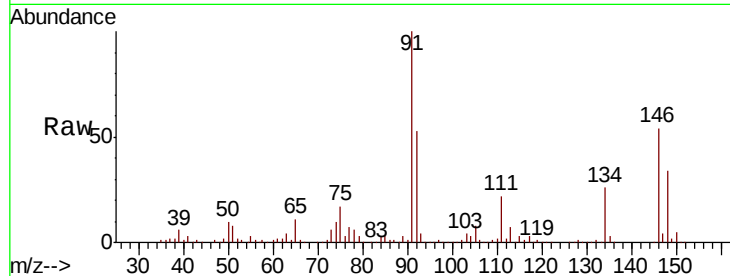
#89
n-Butylbenzene
Concen: 19.85 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	27.3	81.9
134	26.1	13.6	40.7

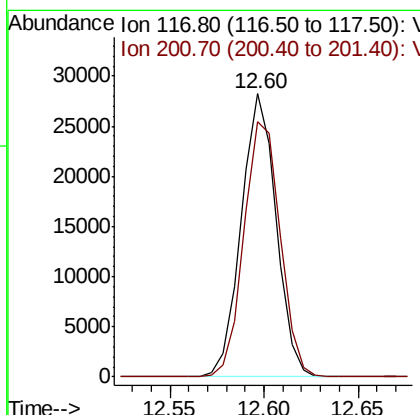
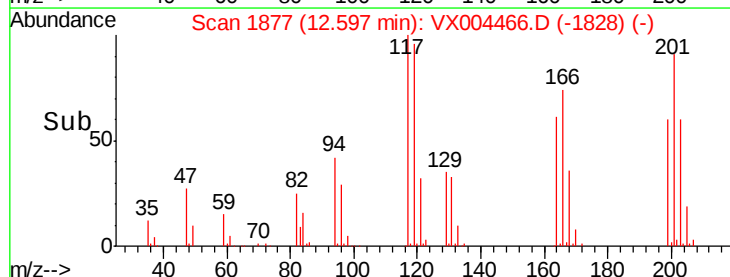
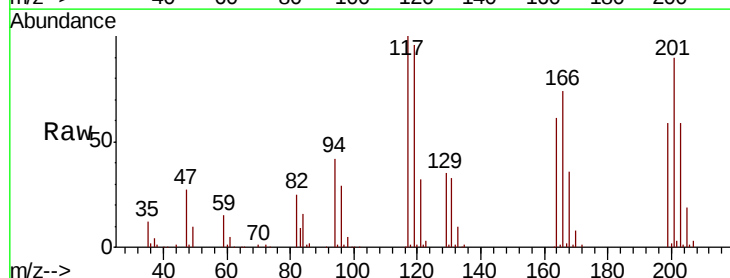
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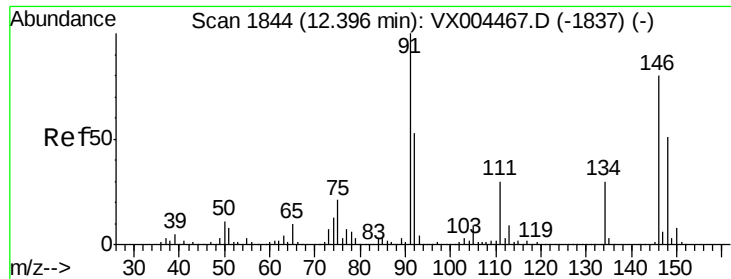
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#90
Hexachloroethane
Concen: 19.25 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.8	46.9	140.6





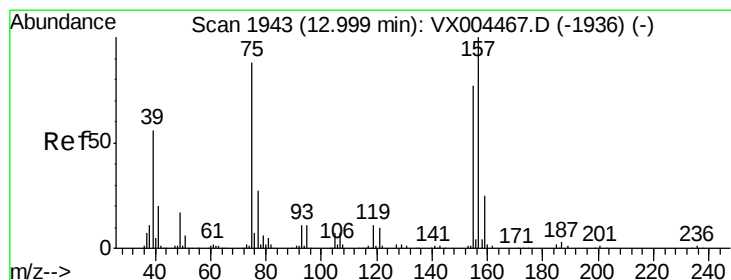
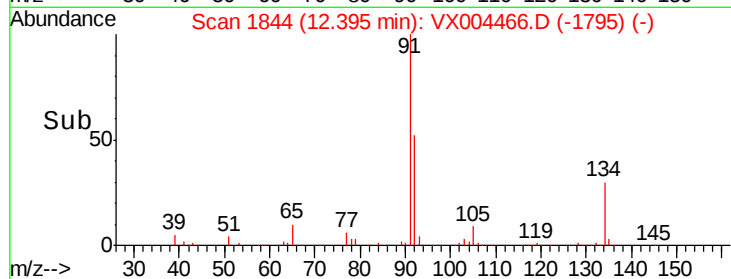
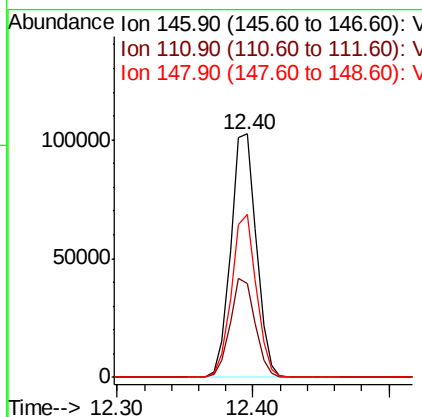
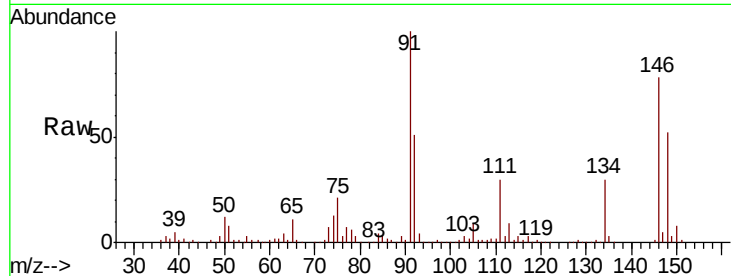
#91
 1,2-Dichlorobenzene
 Concen: 19.62 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. -0.00 min
 Lab File: VX004466.D
 Acq: 11 Sep 2018 13:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.4	58.1
148	65.2	32.8	98.3

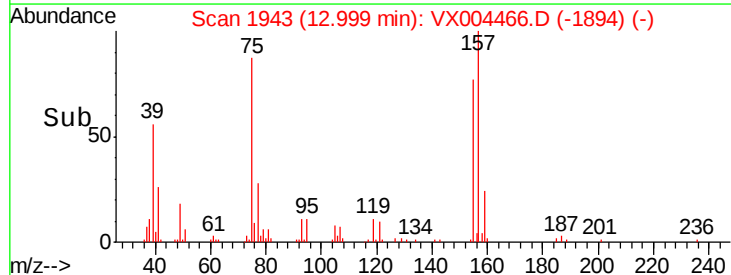
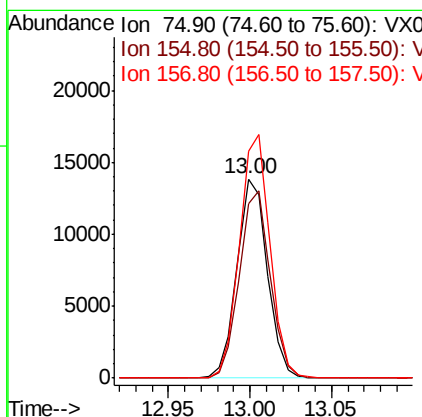
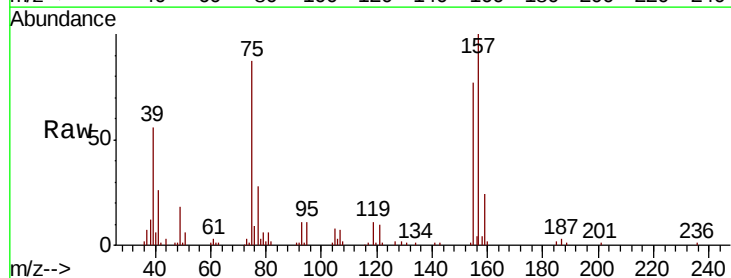
Manual Integrations
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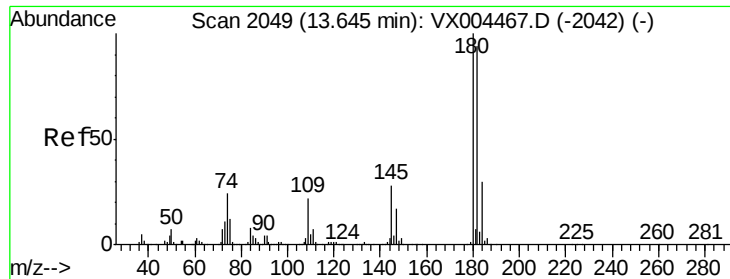
MMDadoda
 9/12/2018 11:26:14 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.02 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004466.D
 Acq: 11 Sep 2018 13:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.5	48.0	144.2
157	122.1	61.4	184.1





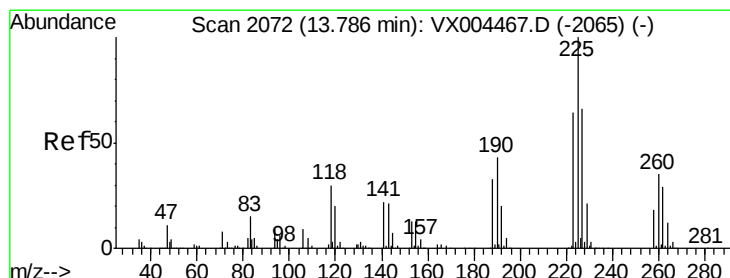
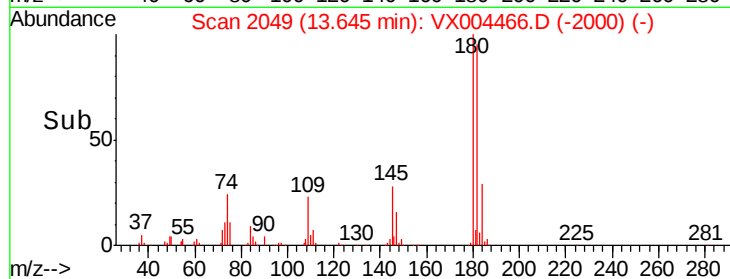
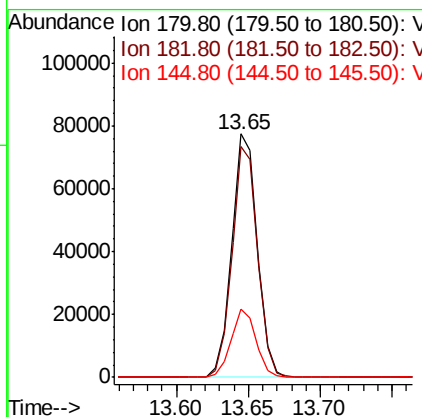
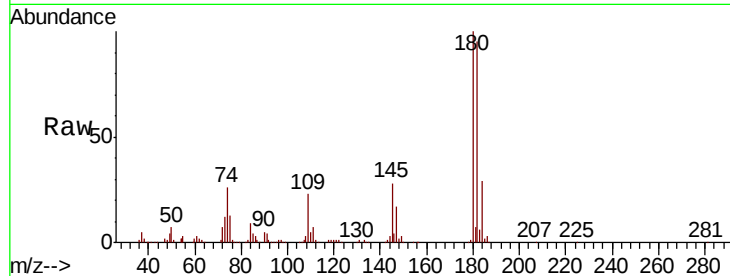
#93
 1,2,4-Trichlorobenzene
 Concen: 19.98 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004466.D
 Acq: 11 Sep 2018 13:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.4	145.0
145	27.4	14.3	42.9

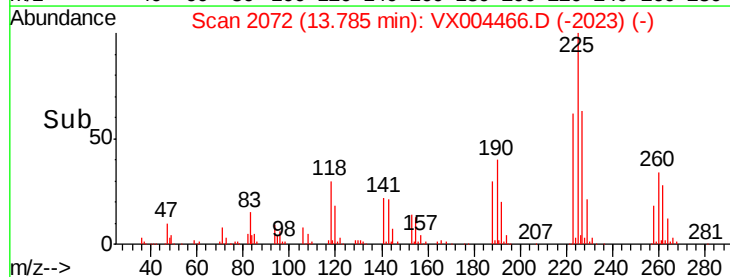
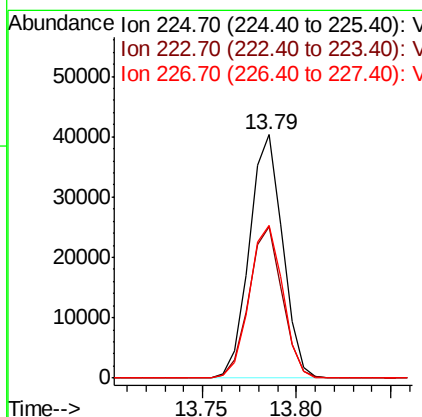
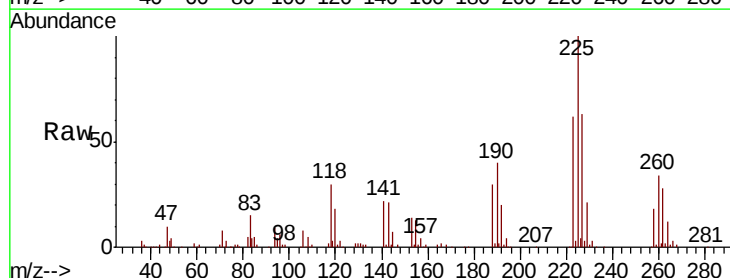
Manual Integrations
 APPROVED

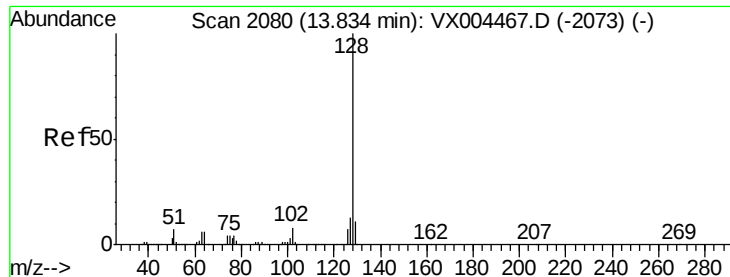
MMDadoda
 9/12/2018 11:26:14 AM



#94
 Hexachlorobutadiene
 Concen: 19.52 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004466.D
 Acq: 11 Sep 2018 13:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	30.1	90.5
227	63.3	30.8	92.4





#95

Naphthalene

Concen: 20.37 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

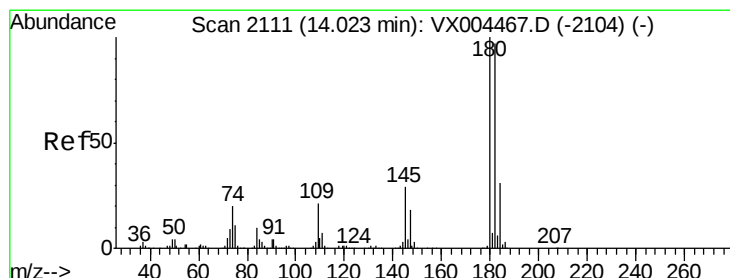
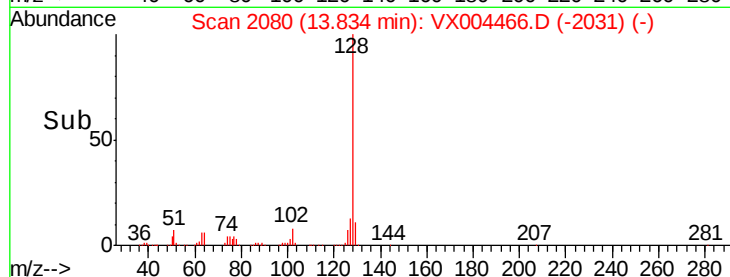
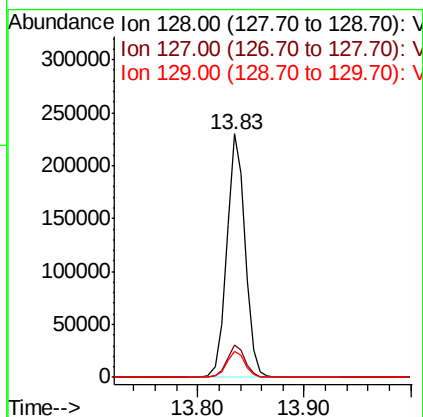
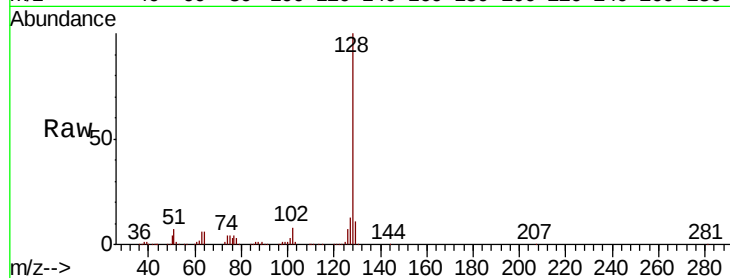
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	275787
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/12/2018 11:26:14 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.06 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Tgt Ion:	180	Resp:	99439
Ion Ratio	Lower	Upper	
180	100		
182	95.8	48.5	145.6
145	29.7	14.9	44.9

