

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091918\
 Data File : VX004695.D
 Acq On : 19 Sep 2018 10:04
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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MMDadoda
 9/20/2018 1:42:34 PM

Quant Time: Sep 19 16:53:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	273211	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.86	114	333159	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	313003	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	196494	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	155536	44.15	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	88.30%	
35) Dibromofluoromethane	5.50	113	143480	47.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.12%	
50) Toluene-d8	8.71	98	476481	46.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.20%	
62) 4-Bromofluorobenzene	11.14	95	180123	49.36	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	123046	48.05	ug/l	97
3) Chloromethane	1.32	50	164905	46.80	ug/l	99
4) Vinyl Chloride	1.40	62	182263	50.39	ug/l	94
5) Bromomethane	1.64	94	74688	49.30	ug/l	98
6) Chloroethane	1.71	64	107653	46.03	ug/l	97
7) Trichlorofluoromethane	1.93	101	224122	46.74	ug/l	88
8) Diethyl Ether	2.19	74	103667	48.23	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	150534	49.49	ug/l	97
10) Methyl Iodide	2.51	142	164028	45.53	ug/l	96
11) Tert butyl alcohol	3.06	59	187981	223.63	ug/l	99
12) 1,1-Dichloroethene	2.37	96	141121	49.43	ug/l	95
13) Acrolein	2.30	56	49078	147.91	ug/l	94
14) Allyl chloride	2.73	41	274945	46.85	ug/l	94
15) Acrylonitrile	3.15	53	454159	224.36	ug/l	99
16) Acetone	2.44	43	372685	216.75	ug/l	98
17) Carbon Disulfide	2.57	76	370042	44.85	ug/l	100
18) Methyl Acetate	2.78	43	239321	49.61	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	482669	48.19	ug/l	95
20) Methylene Chloride	2.85	84	162530	46.08	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	152004	48.19	ug/l	88
22) Diisopropyl ether	3.87	45	526837	49.84	ug/l	95
23) Vinyl Acetate	3.82	43	2131395	249.17	ug/l	98
24) 1,1-Dichloroethane	3.70	63	298332	49.99	ug/l	98
25) 2-Butanone	4.70	43	589566	215.45	ug/l	94
26) 2,2-Dichloropropane	4.58	77	232759	56.79	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	181109	51.43	ug/l	97
28) Bromochloromethane	5.01	49	118721	43.49	ug/l	98
29) Tetrahydrofuran	5.15	42	385287	233.47	ug/l	96
30) Chloroform	5.21	83	284347	48.80	ug/l	96
31) Cyclohexane	5.57	56	252038	49.46	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	226243	48.21	ug/l	98
36) 1,1-Dichloropropene	5.79	75	209142	51.71	ug/l	94
37) Ethyl Acetate	4.85	43	224086	48.71	ug/l	99
38) Carbon Tetrachloride	5.78	117	206552	52.28	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	239050	56.64	ug/l	97
40) Benzene	6.14	78	623939	51.99	ug/l	97
41) Methacrylonitrile	5.06	41	123801	48.84	ug/l	99
42) 1,2-Dichloroethane	6.20	62	197241	49.55	ug/l	98
43) Isopropyl Acetate	6.45	43	324837	53.16	ug/l	98
44) Trichloroethene	7.21	130	171420	54.98	ug/l	99
45) 1,2-Dichloropropane	7.51	63	148569	51.45	ug/l	99
46) Dibromomethane	7.66	93	92738	50.83	ug/l	97
47) Bromodichloromethane	7.90	83	178009	51.60	ug/l	99
48) Methyl methacrylate	7.77	41	151275	50.03	ug/l	97
49) 1,4-Dioxane	7.76	88	73068	1020.95	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	961929	223.09	ug/l	99
52) Toluene	8.79	92	356489	50.42	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	208150	51.65	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	227127	55.29	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	144431	47.44	ug/l	98
56) Ethyl methacrylate	9.18	69	216713	50.32	ug/l	96
57) 1,3-Dichloropropane	9.37	76	237206	47.95	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	521197	237.88	ug/l	98
59) 2-Hexanone	9.49	43	747801	226.10	ug/l	99
60) Dibromochloromethane	9.59	129	150023	52.34	ug/l	99
61) 1,2-Dibromoethane	9.67	107	149087	51.26	ug/l	100
64) Tetrachloroethene	9.34	164	207486	53.09	ug/l	98
65) Chlorobenzene	10.14	112	408715	52.57	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	146073	54.48	ug/l	99
67) Ethyl Benzene	10.26	91	690087	54.59	ug/l	99
68) m/p-Xylenes	10.36	106	546661	112.26	ug/l	98
69) o-Xylene	10.70	106	263257	56.23	ug/l	100
70) Styrene	10.71	104	443725	57.21	ug/l	99
71) Bromoform	10.86	173	120465	54.72	ug/l	99
73) Isopropylbenzene	11.02	105	713593	55.14	ug/l	99
74) N-amyl acetate	10.90	43	277093	50.87	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	195522	46.84	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	195570m	49.47	ug/l	
77) Bromobenzene	11.26	156	191045	53.41	ug/l	99
78) n-propylbenzene	11.36	91	829226	55.73	ug/l	99
79) 2-Chlorotoluene	11.42	91	476337	52.78	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	608519	55.94	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	69524	56.06	ug/l	90
82) 4-Chlorotoluene	11.51	91	561495	53.31	ug/l	98
83) tert-Butylbenzene	11.77	119	576580	55.67	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	627209	56.47	ug/l	99
85) sec-Butylbenzene	11.94	105	750534	56.87	ug/l	100
86) p-Isopropyltoluene	12.07	119	676981	58.09	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	361781	54.21	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	361726	52.46	ug/l	99
89) n-Butylbenzene	12.39	91	609407	57.38	ug/l	98
90) Hexachloroethane	12.60	117	104276	55.89	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	361100	53.46	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	44751	50.21	ug/l	93

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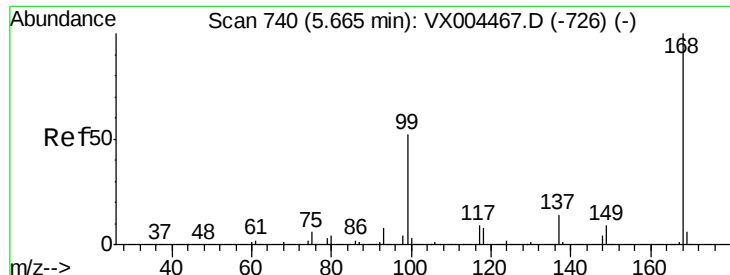
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	282777	59.12	ug/l	98
94) Hexachlorobutadiene	13.79	225	147594	59.08	ug/l	97
95) Naphthalene	13.83	128	768287	57.27	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	281116	57.21	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 273211

Ion Ratio Lower Upper

168 100

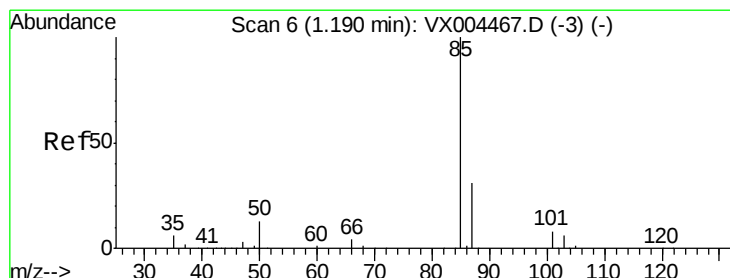
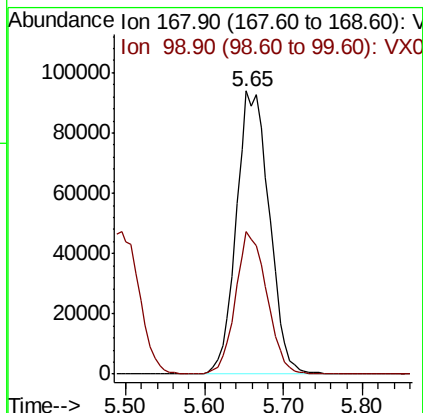
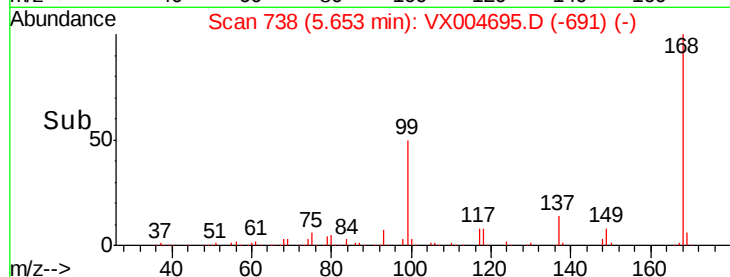
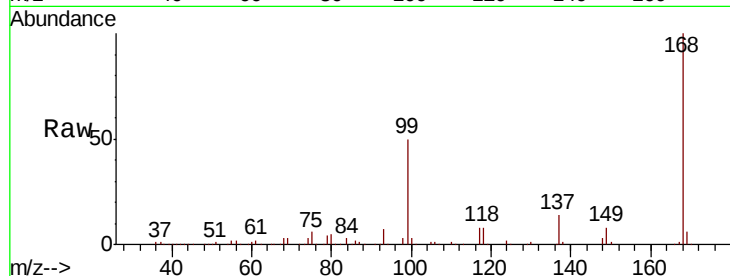
99 50.1 39.9 59.9

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#2

Dichlorodifluoromethane

Concen: 48.05 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004695.D

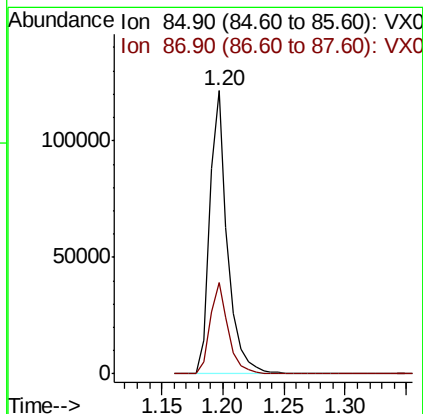
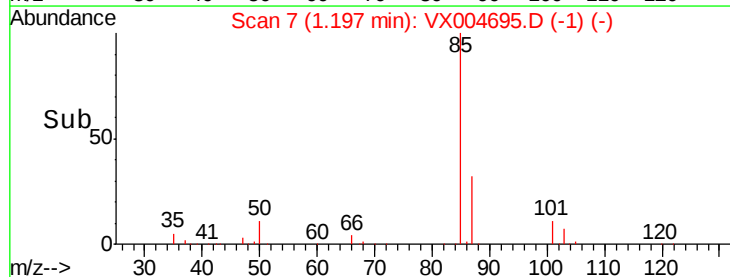
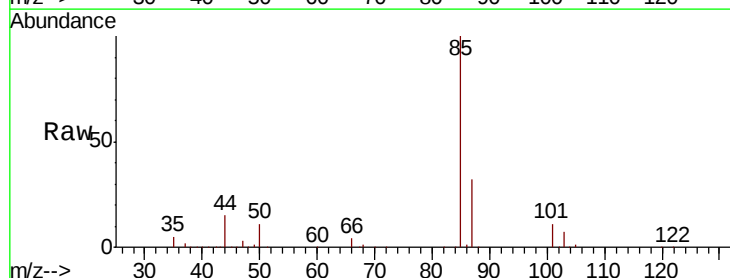
Acq: 19 Sep 2018 10:04

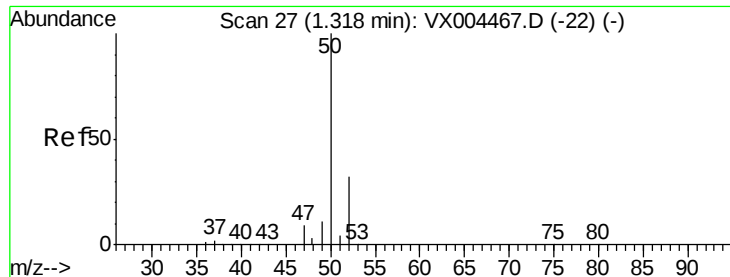
Tgt Ion: 85 Resp: 123046

Ion Ratio Lower Upper

85 100

87 32.2 17.0 50.9





#3

Chloromethane

Concen: 46.80 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 164905

Ion Ratio Lower Upper

50 100

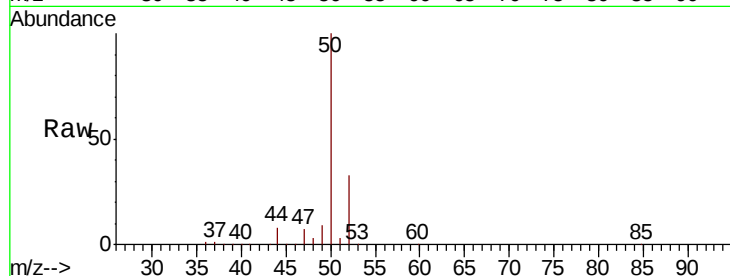
52 33.1 26.2 39.2

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

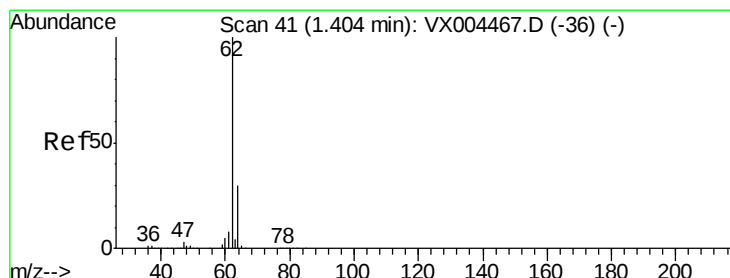
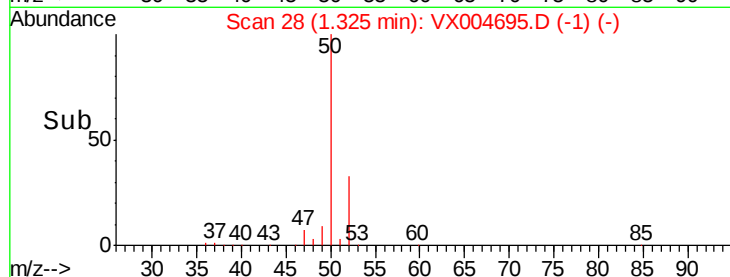
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 50.39 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004695.D

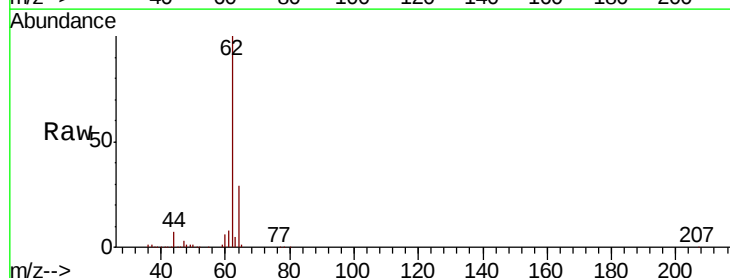
Acq: 19 Sep 2018 10:04

Tgt Ion: 62 Resp: 182263

Ion Ratio Lower Upper

62 100

64 29.0 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

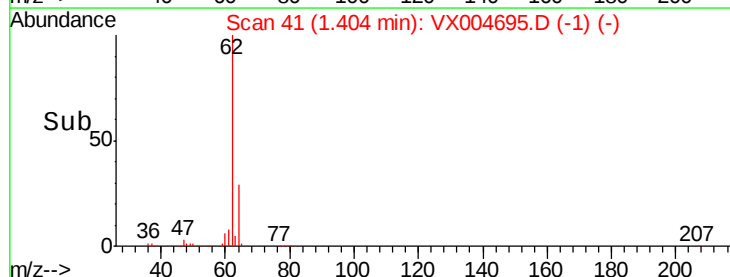
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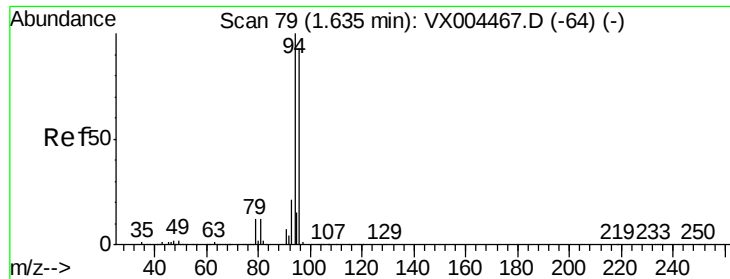
100000

50000

0

Time--> 1.30 1.40 1.50 1.60





#5

Bromomethane

Concen: 49.30 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Tot Ion: 94 Resp: 74688

Ion Ratio Lower Upper

94 100

96 94.6 74.5 111.7

Instrument :

MSVOA_X

ClientSampleId :

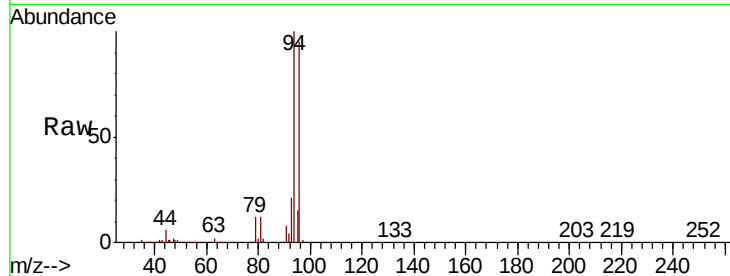
VSTDCCC050

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

80000

60000

40000

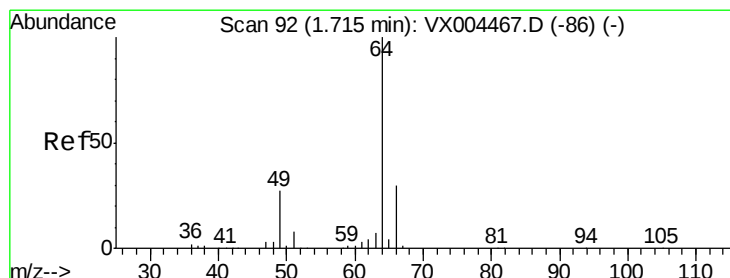
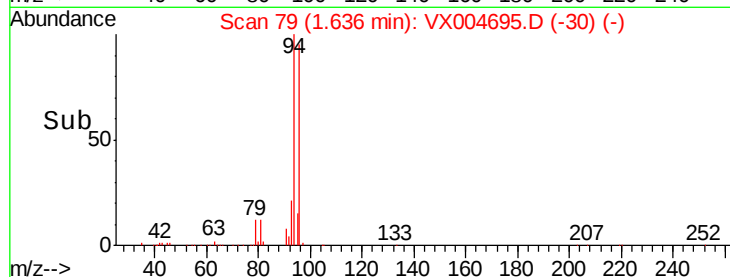
20000

0

1.64

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 46.03 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX004695.D

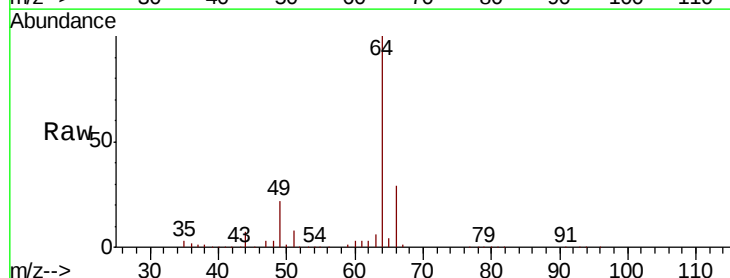
Acq: 19 Sep 2018 10:04

Tgt Ion: 64 Resp: 107653

Ion Ratio Lower Upper

64 100

66 29.2 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

80000

60000

40000

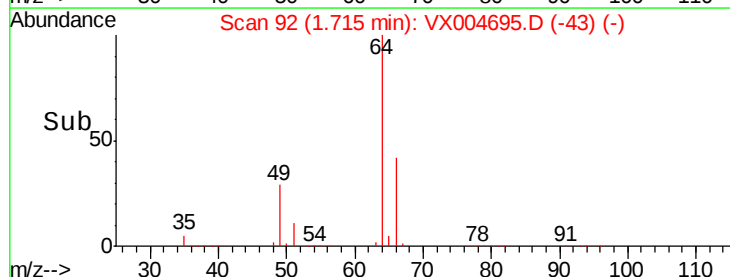
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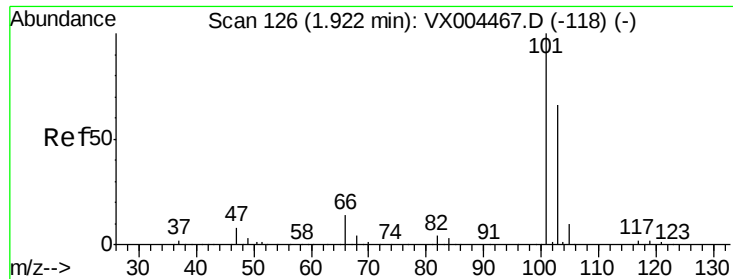
0

1.71

1.60 1.70 1.80 1.90

Time-->





#7

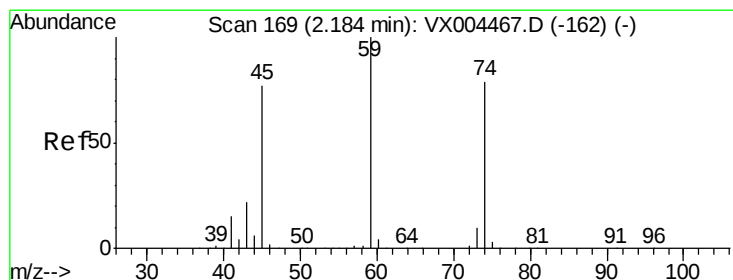
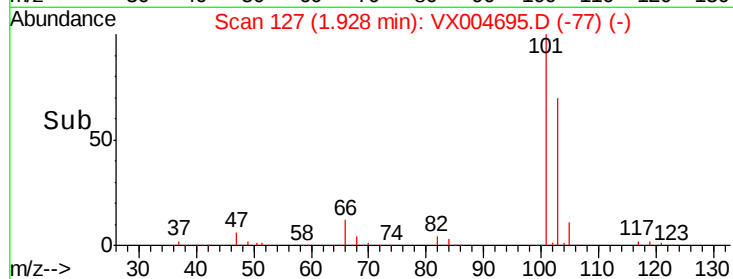
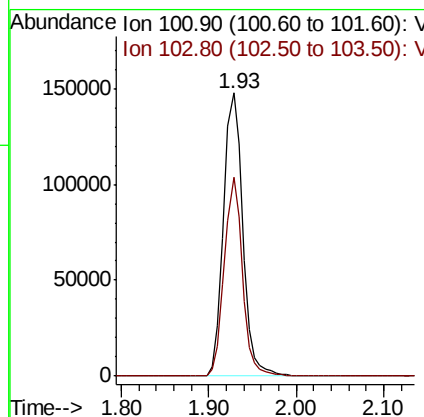
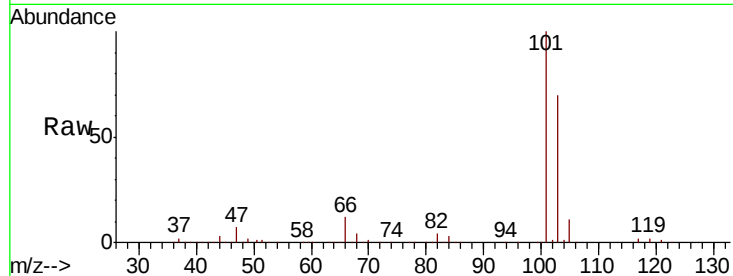
Trichlorofluoromethane
Concen: 46.74 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	70.3	48.9	73.3

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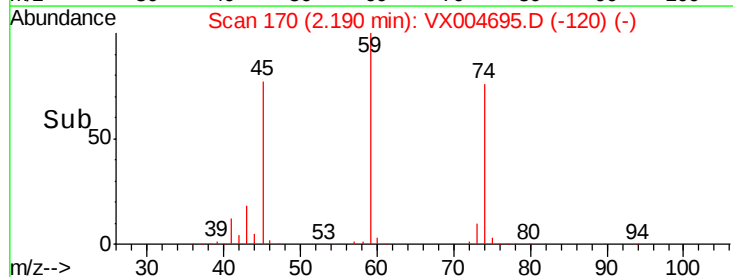
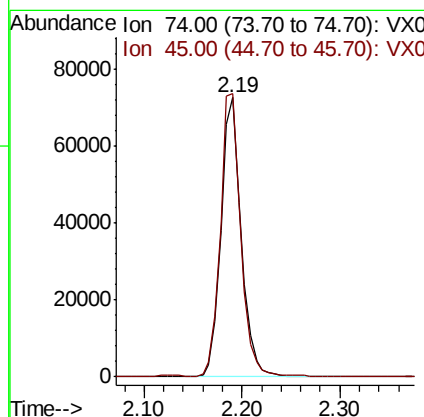
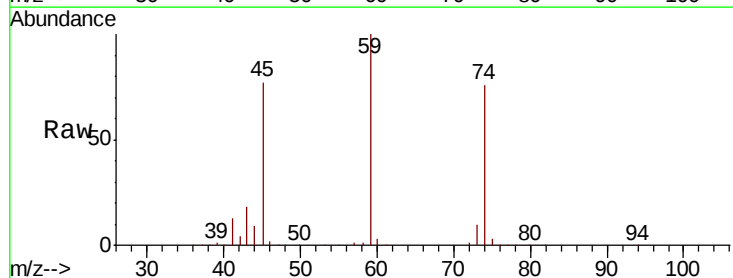
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9/20/2018 1:42:34 PM

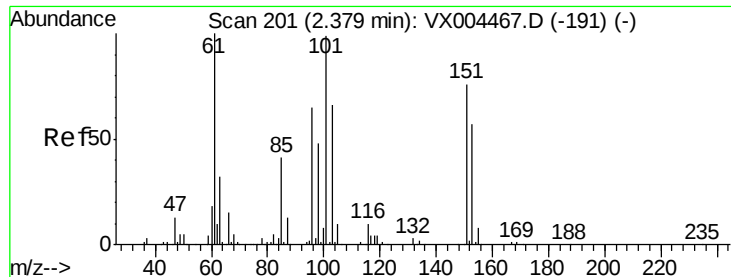


#8

Diethyl Ether
Concen: 48.23 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.0	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.49 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :

MSVOA_X

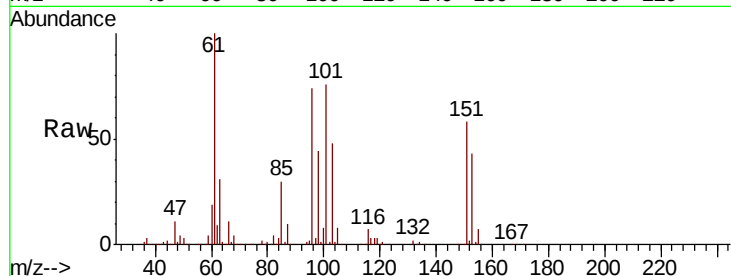
ClientSampleId :

VSTDCCC050

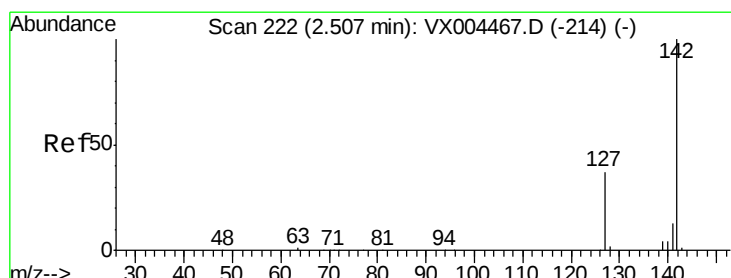
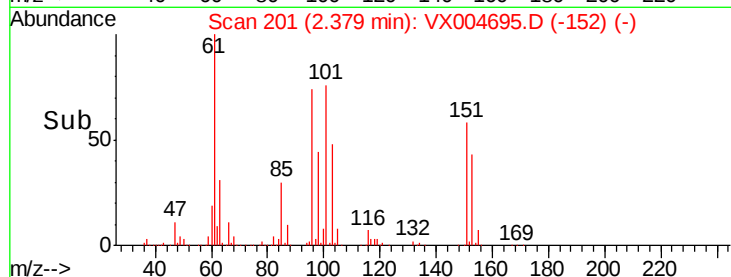
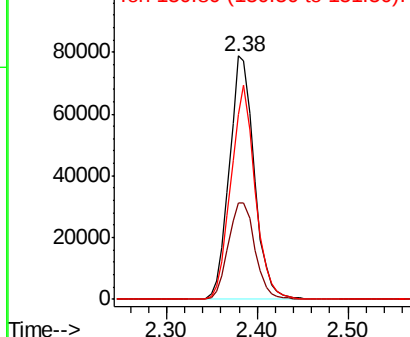
Tot Ion:	101	Resp:	150534
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.2	51.4
151	85.1	65.0	97.6

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 45.53 ug/l

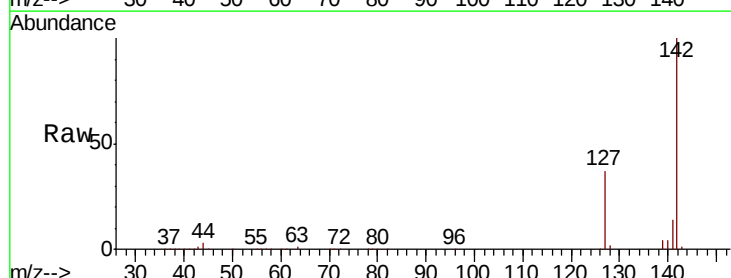
RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

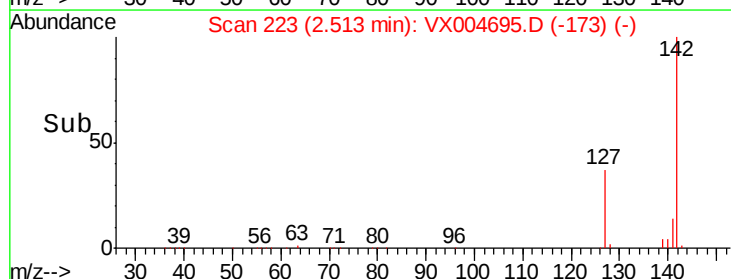
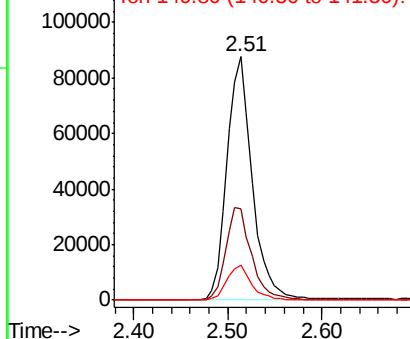
Lab File: VX004695.D

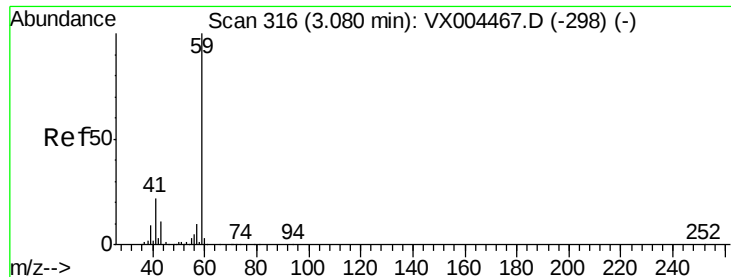
Acq: 19 Sep 2018 10:04

Tgt Ion:	142	Resp:	164028
Ion Ratio	Lower	Upper	
142	100		
127	38.5	33.8	50.6
141	14.0	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

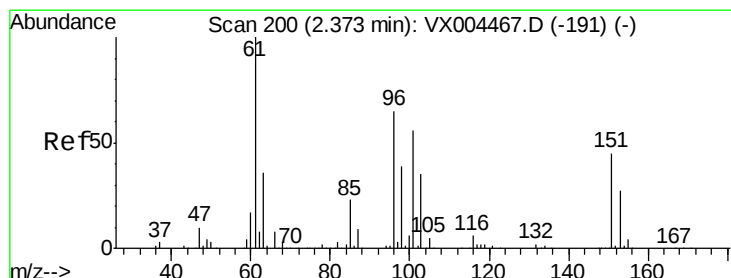
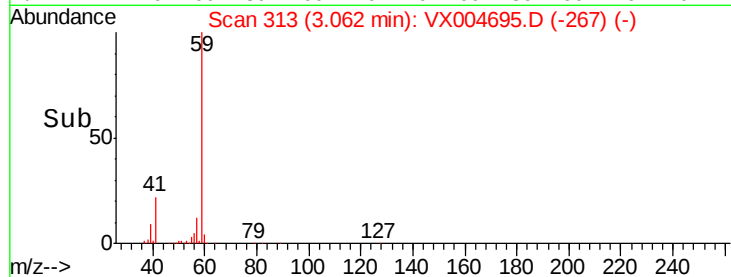
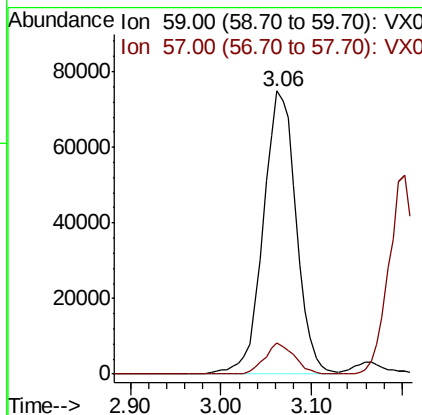
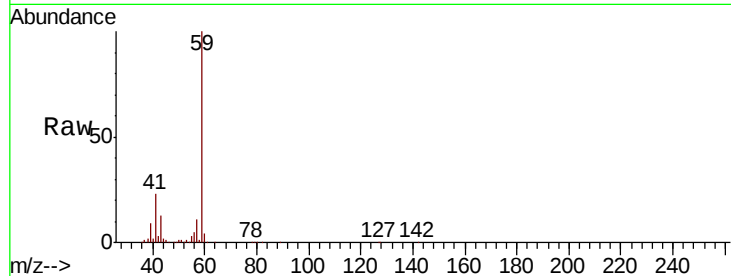
Tert butyl alcohol
Concen: 223.63 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	10.0	8.2	12.4

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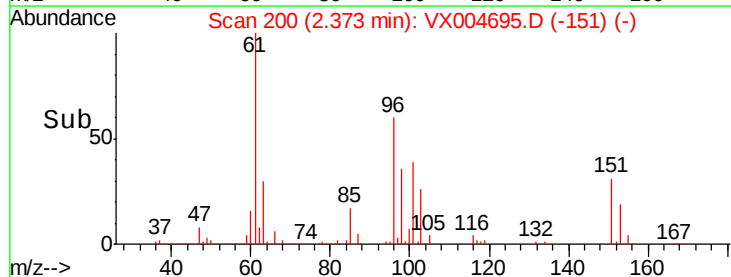
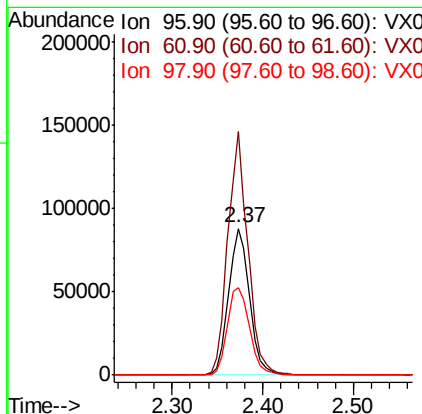
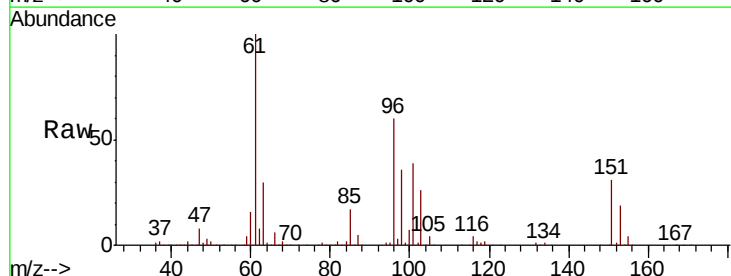
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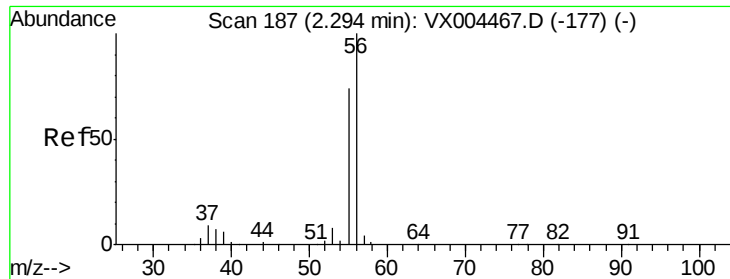


#12

1,1-Dichloroethene
Concen: 49.43 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	166.1	128.8	193.2
98	98	59.8	52.2	78.2





#13

Acrolein

Concen: 147.91 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Tot Ion: 56 Resp: 49078

Ion Ratio Lower Upper

56 100

55 73.4 54.7 82.1

Instrument :

MSVOA_X

ClientSampleId :

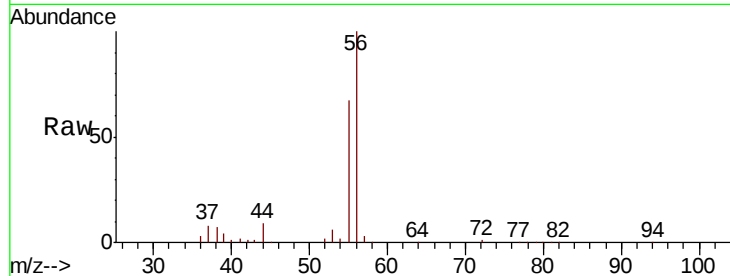
VSTDCCC050

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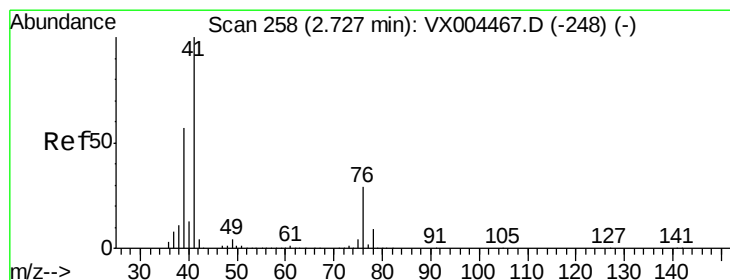
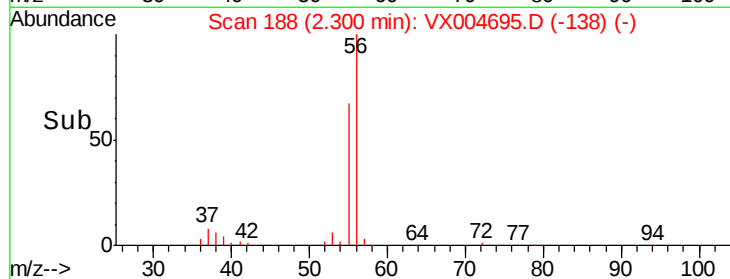
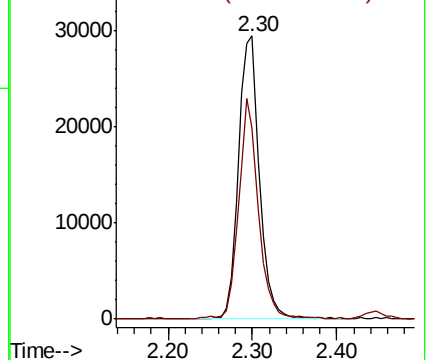
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 46.85 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

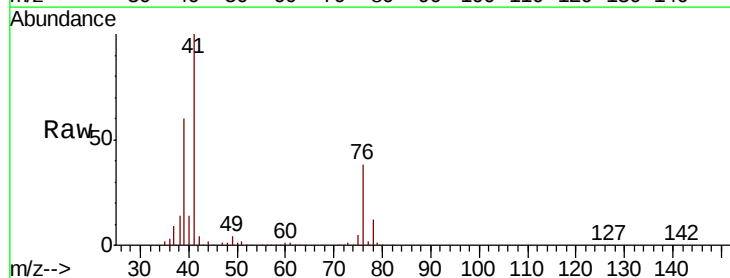
Tgt Ion: 41 Resp: 274945

Ion Ratio Lower Upper

41 100

39 54.5 48.9 73.3

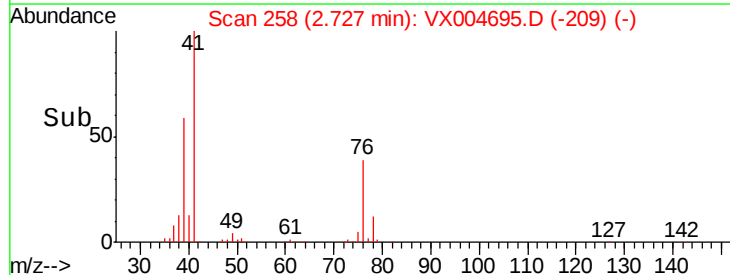
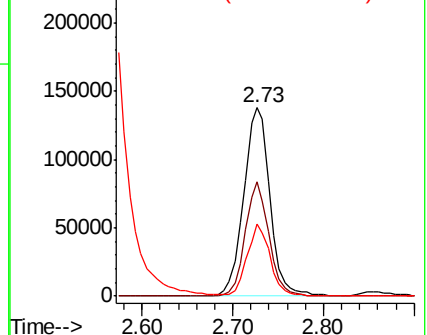
76 33.7 26.7 40.1

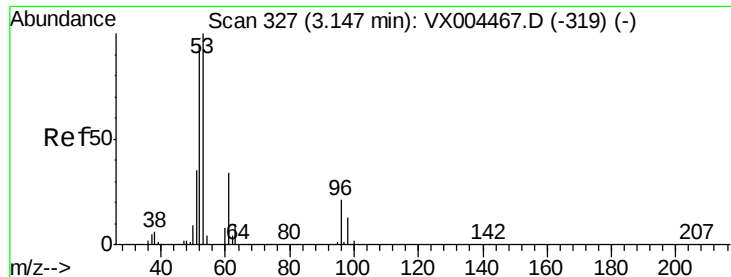


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 224.36 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :

MSVOA_X

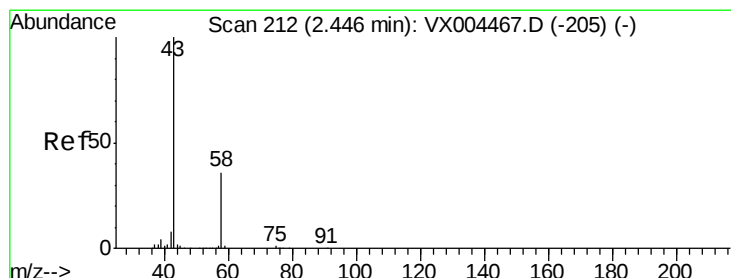
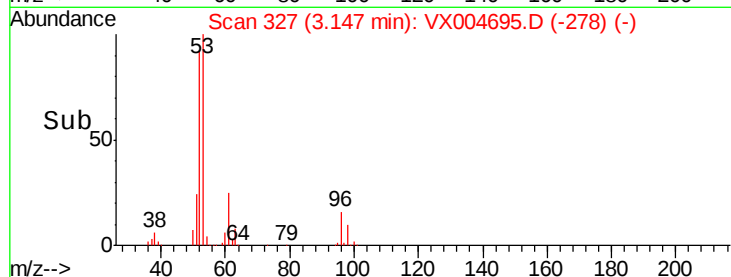
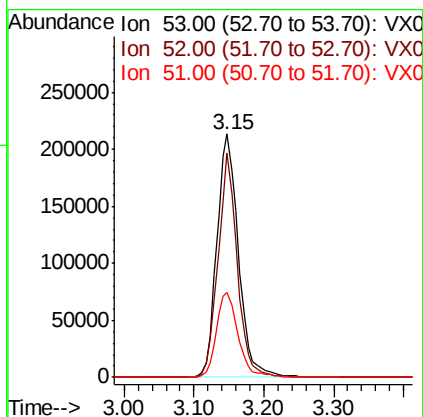
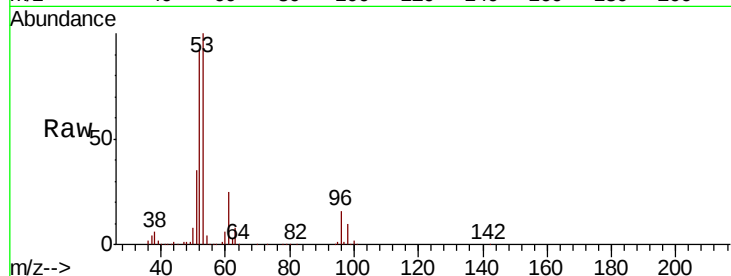
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	454159
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.2	97.8
51	35.1	28.2	42.2

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#16

Acetone

Concen: 216.75 ug/l

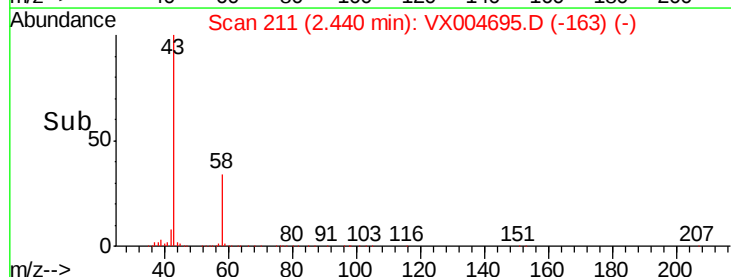
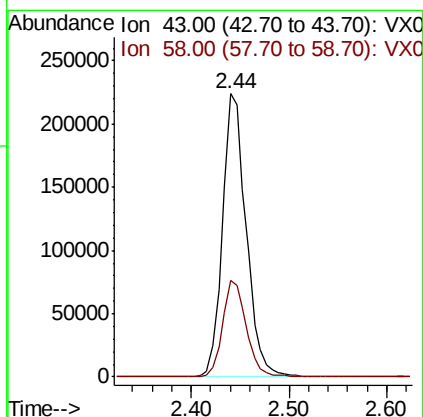
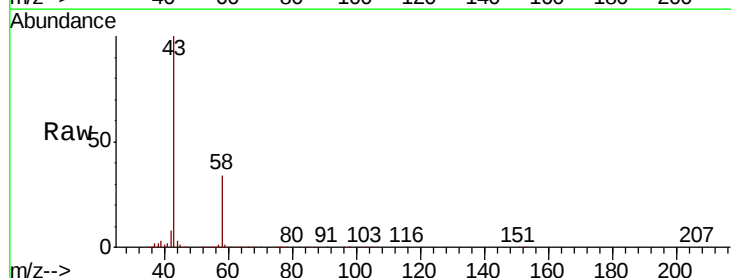
RT: 2.44 min Scan# 211

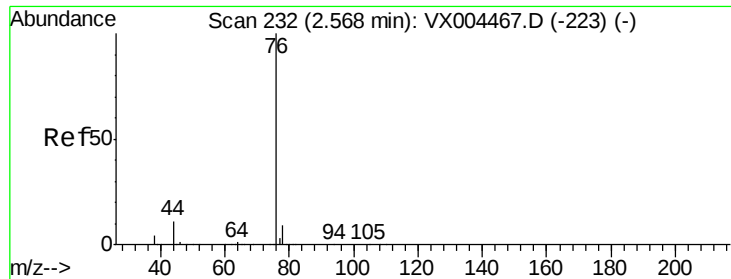
Delta R.T. -0.01 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Tgt Ion:	43	Resp:	372685
Ion	Ratio	Lower	Upper
43	100		
58	34.1	26.2	39.4





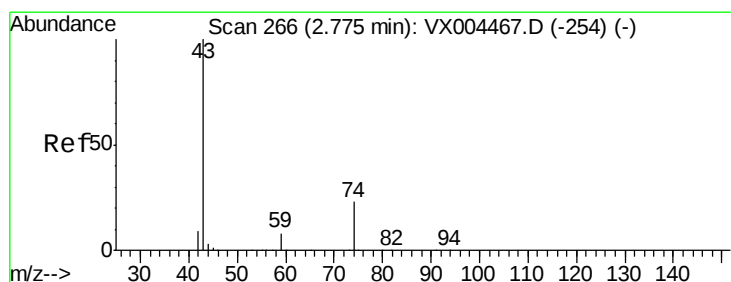
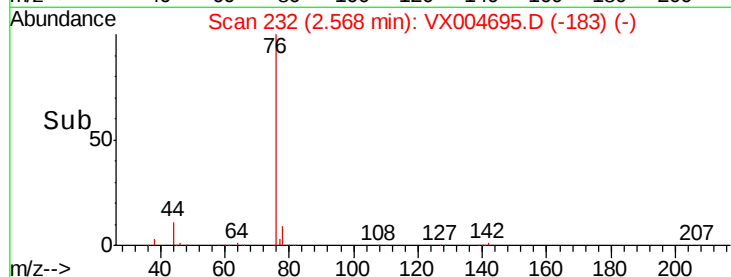
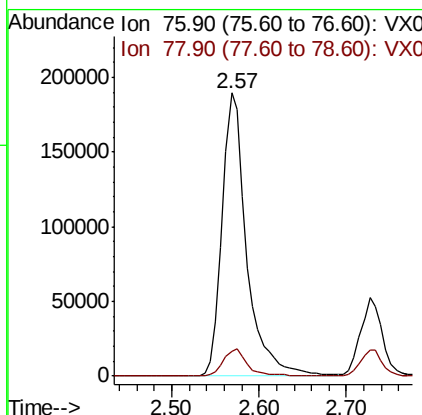
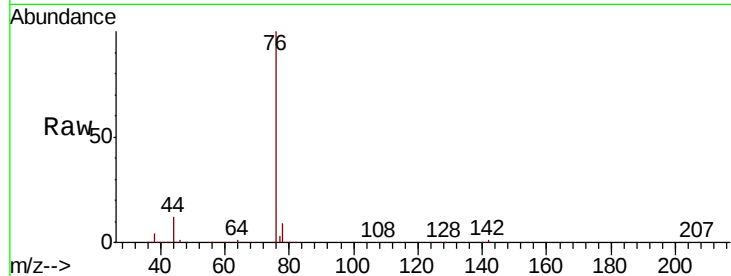
#17
Carbon Disulfide
Concen: 44.85 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.6

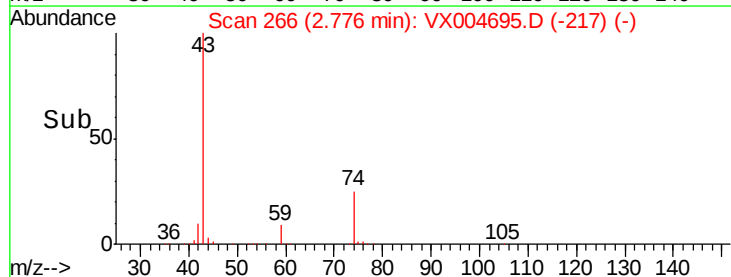
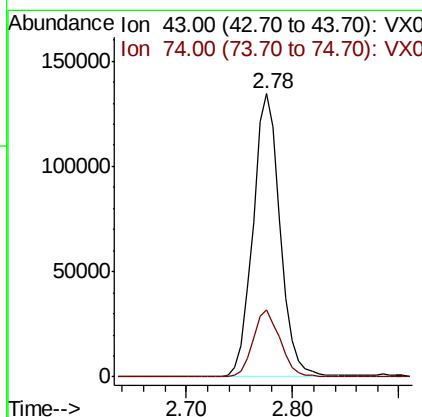
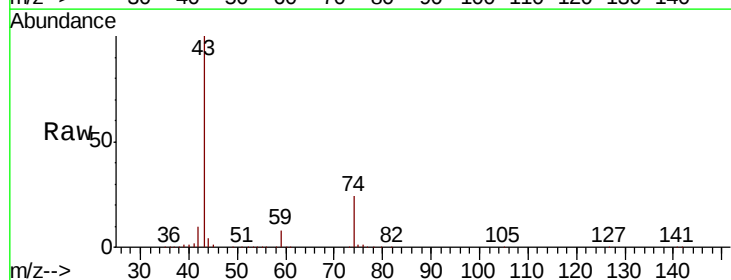
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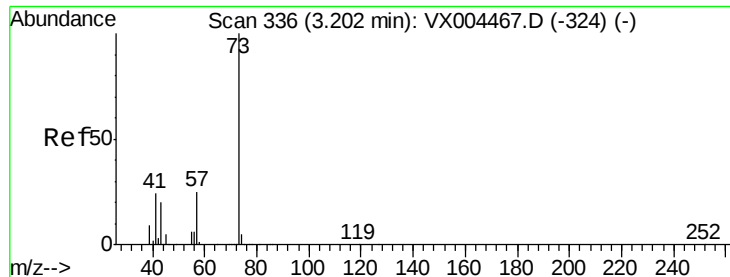
MMDadoda
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#18
Methyl Acetate
Concen: 49.61 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.4	29.2





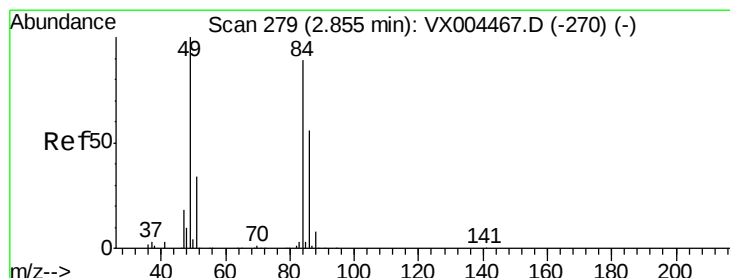
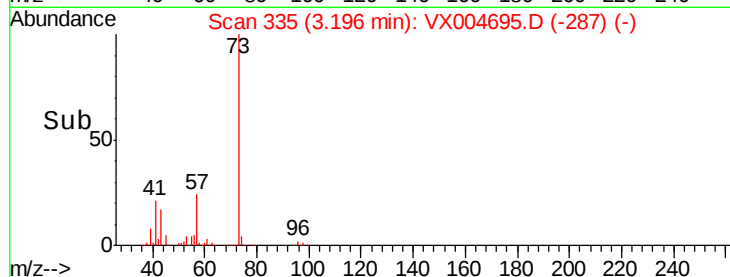
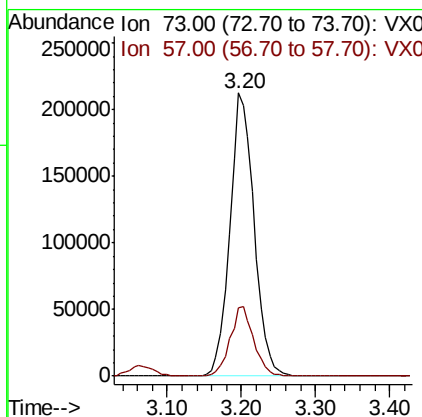
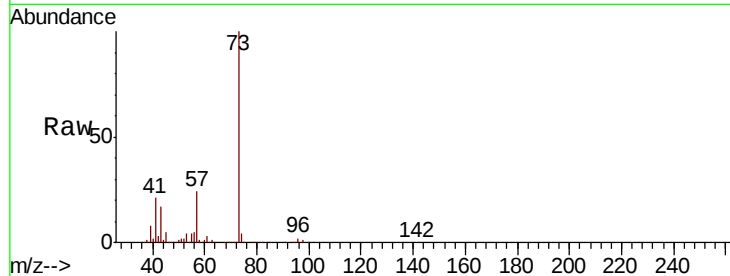
#19
Methvl tert-butvl Ether
Concen: 48.19 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.01 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.0	17.1	25.7

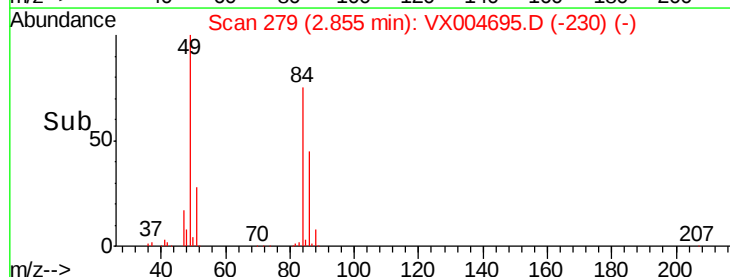
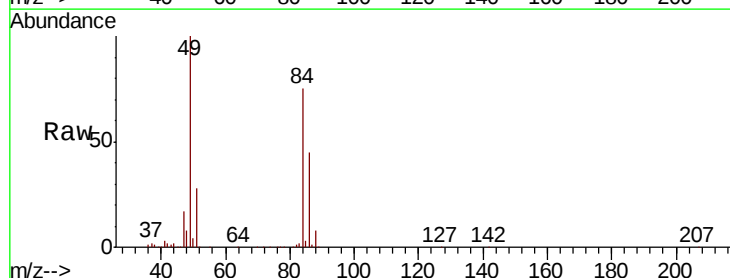
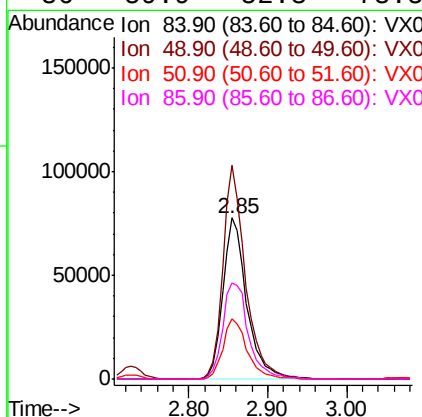
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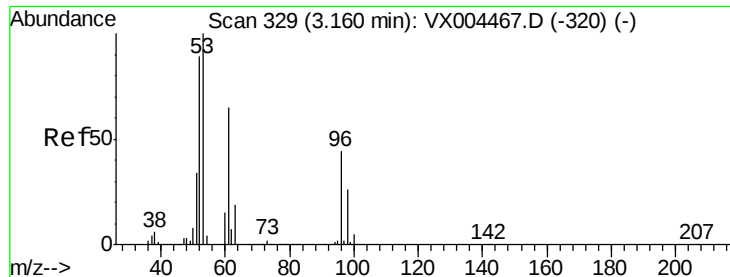
MMDadoda
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#20
Methylene Chloride
Concen: 46.08 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Tgt Ion	Ratio	Lower	Upper
84	100		
49	132.7	101.2	151.8
51	37.2	29.5	44.3
86	59.9	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 48.19 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :

MSVOA_X

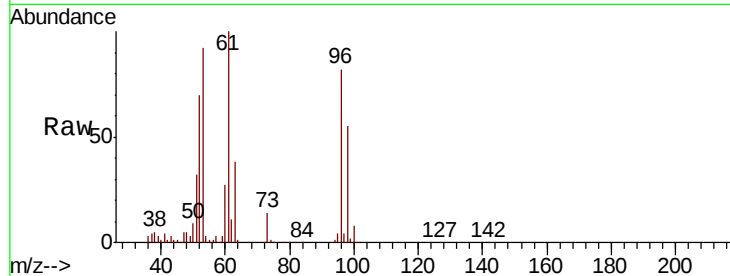
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	152004
Ion	Ratio	Lower	Upper
96	100		
61	122.3	113.8	170.6
98	67.2	51.8	77.8

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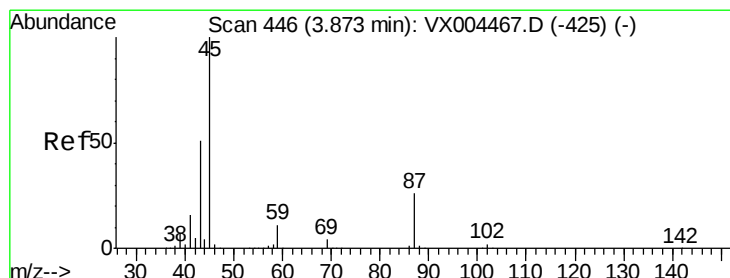
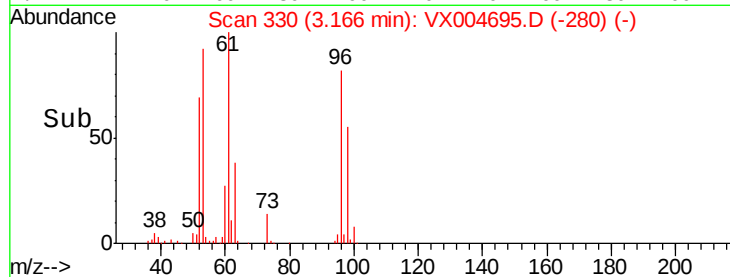
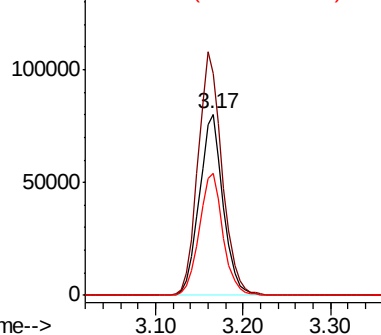


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 49.84 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Tgt Ion:	45	Resp:	526837
Ion	Ratio	Lower	Upper
45	100		
43	49.0	42.8	64.2
87	25.5	22.6	34.0
59	11.8	9.6	14.4

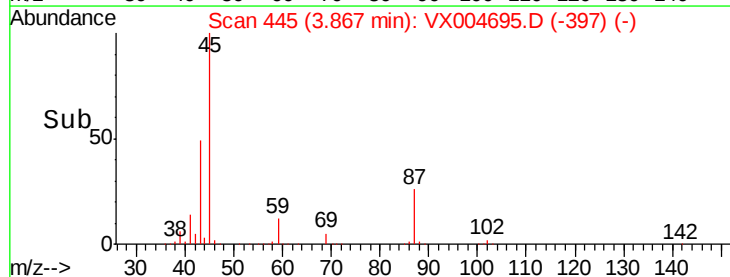
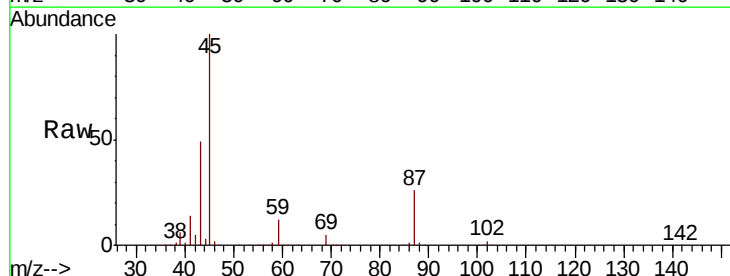
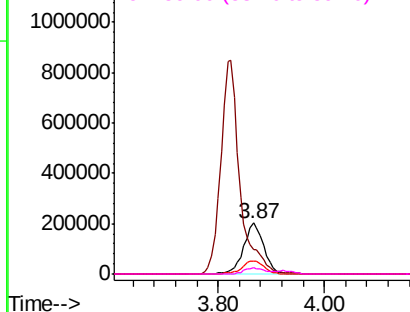
Abundance

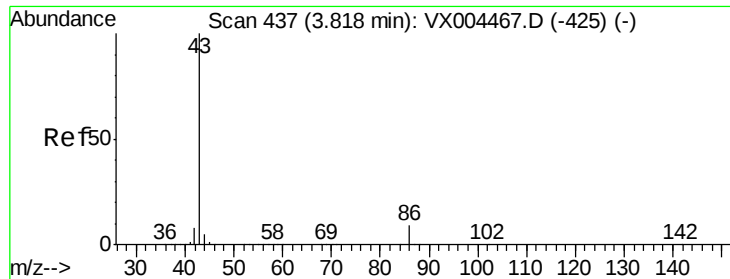
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 249.17 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2131395

Ion Ratio Lower Upper

43 100

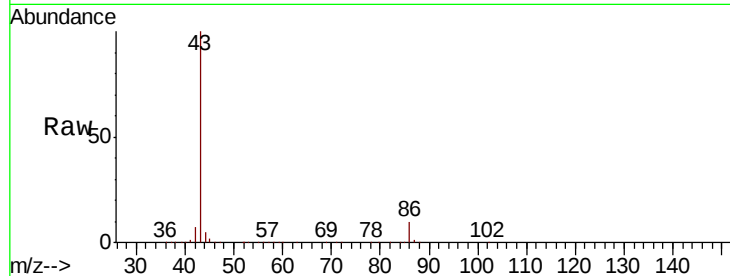
86 10.3 8.9 13.3

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

1000000

800000

600000

400000

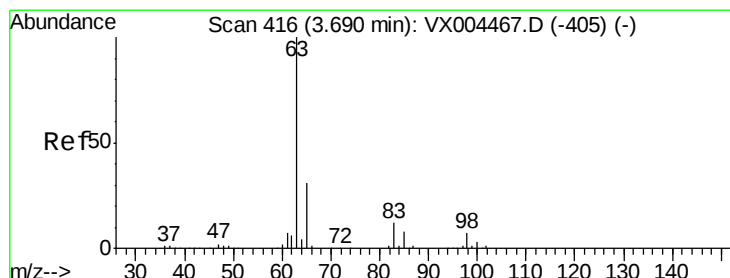
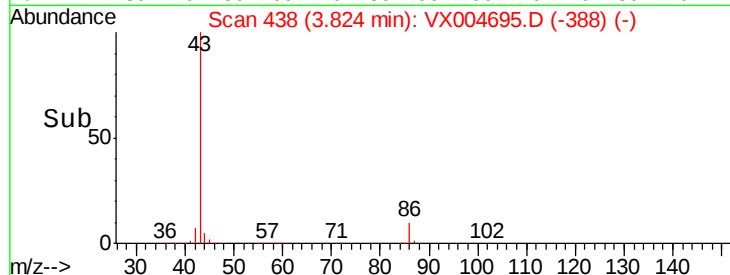
200000

0

3.80

4.00

Time-->



#24

1,1-Dichloroethane

Concen: 49.99 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

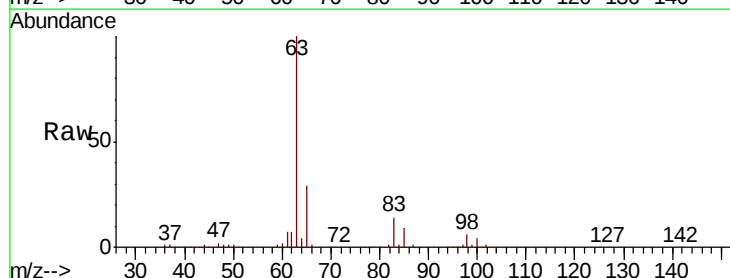
Tgt Ion: 63 Resp: 298332

Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.4

100 3.9 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

150000

100000

50000

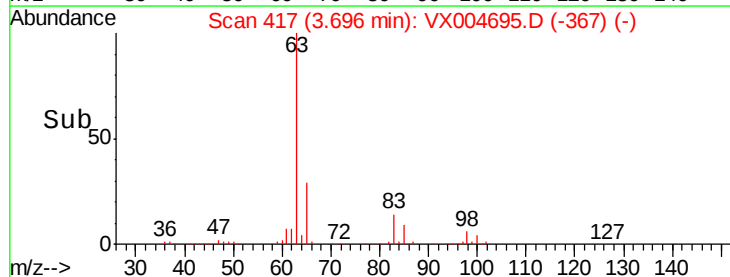
0

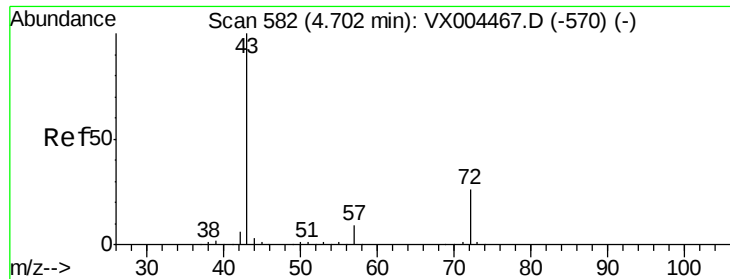
3.60

3.70

3.80

Time-->





#25

2-Butanone

Concen: 215.45 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 589566

Ion Ratio Lower Upper

43 100

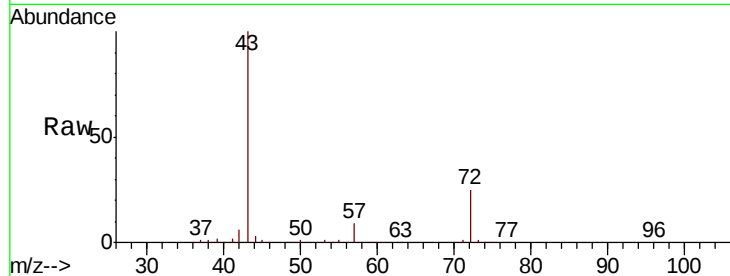
72 24.5 22.0 33.0

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

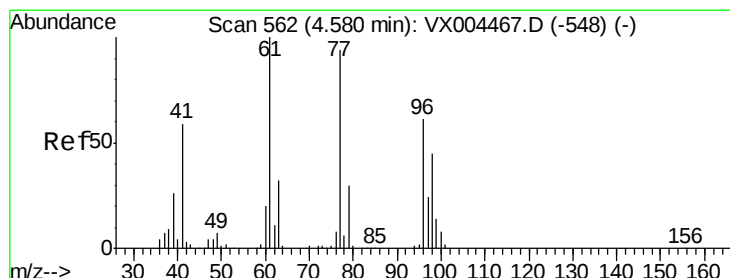
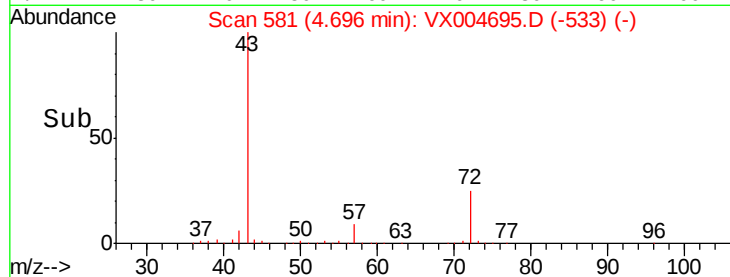
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 56.79 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX004695.D

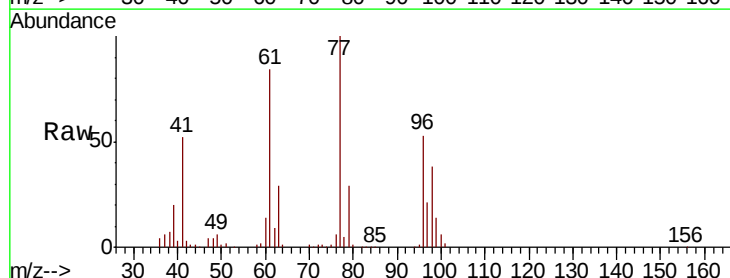
Acq: 19 Sep 2018 10:04

Tgt Ion: 77 Resp: 232759

Ion Ratio Lower Upper

77 100

97 23.8 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

80000

60000

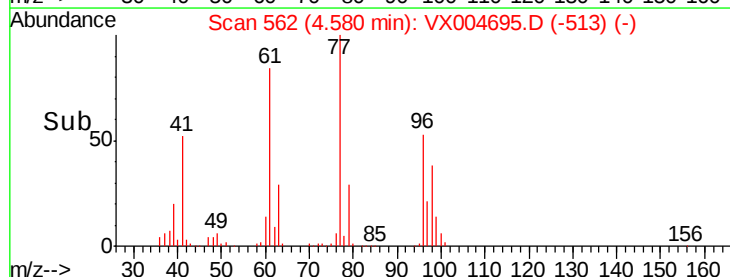
40000

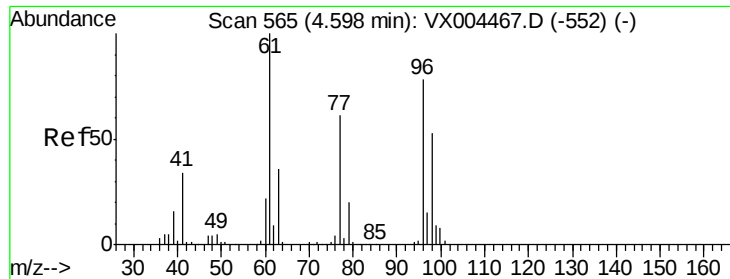
20000

0

4.40 4.50 4.60 4.70

Time-->





#27

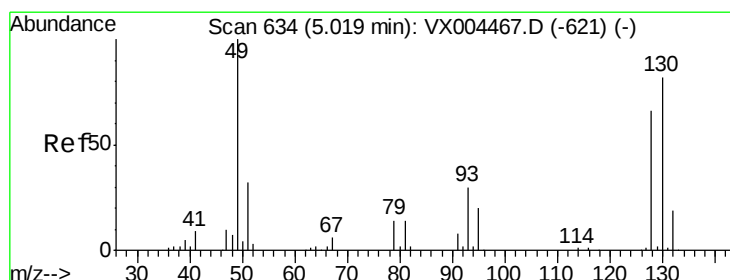
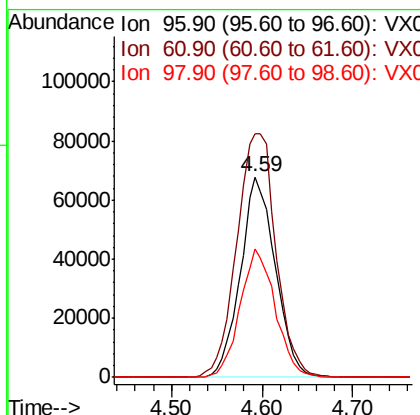
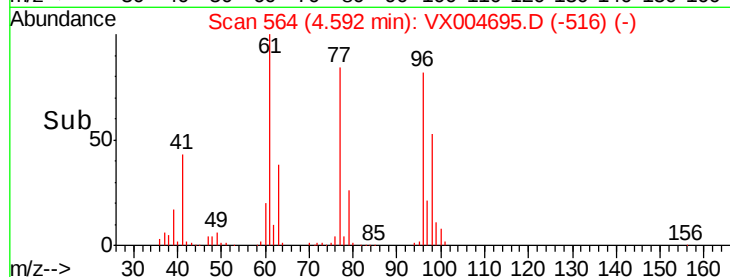
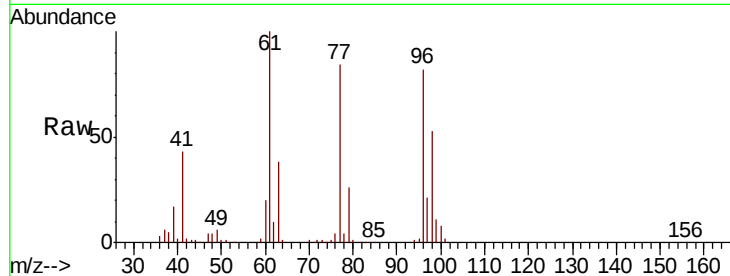
cis-1,2-Dichloroethene
 Concen: 51.43 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX004695.D
 Acq: 19 Sep 2018 10:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.4	0.0	282.6
98	64.4	0.0	130.2

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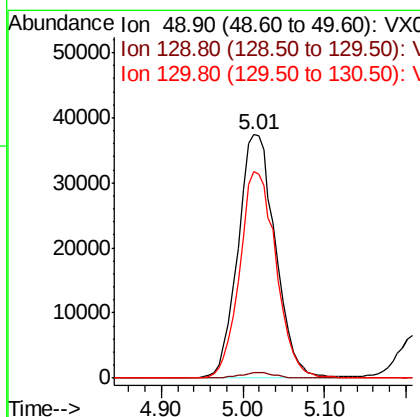
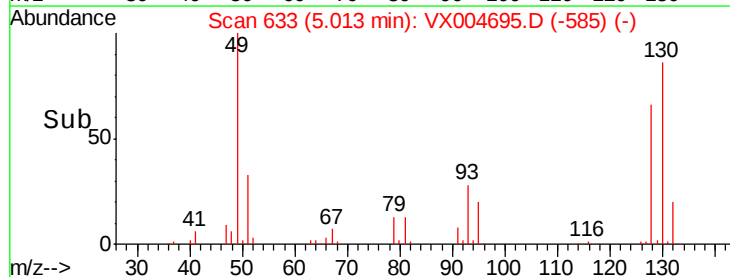
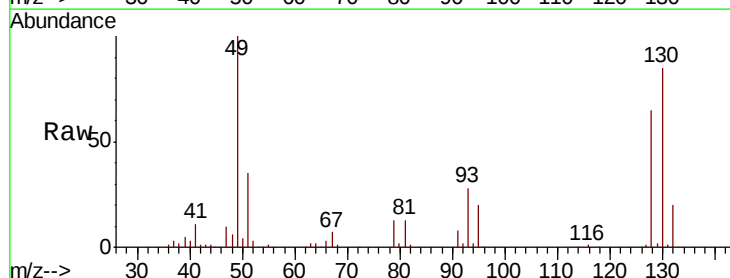
MMDadoda
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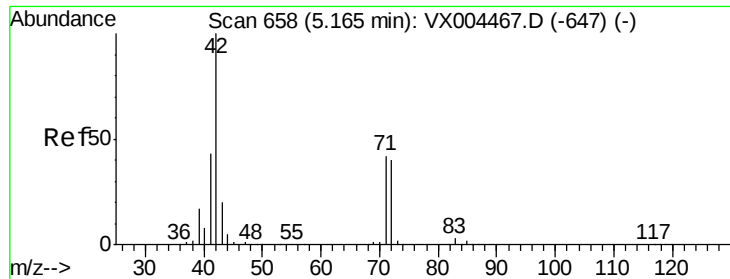


#28

Bromochloromethane
 Concen: 43.49 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX004695.D
 Acq: 19 Sep 2018 10:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	82.9	67.5	101.3





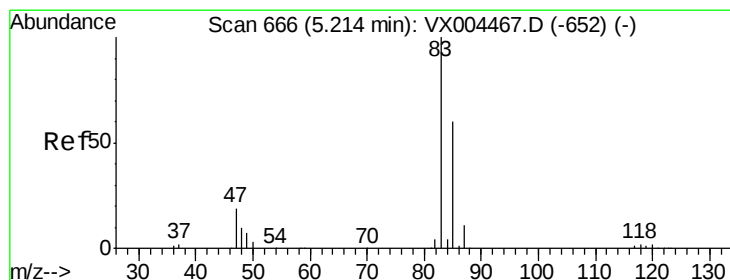
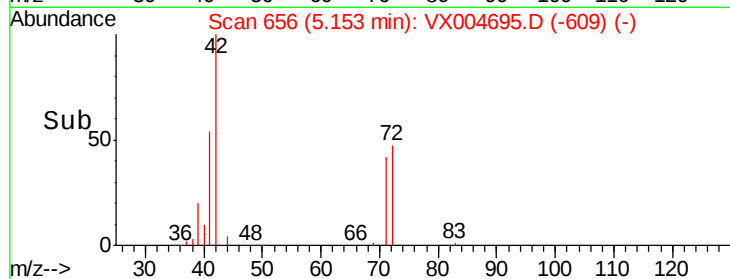
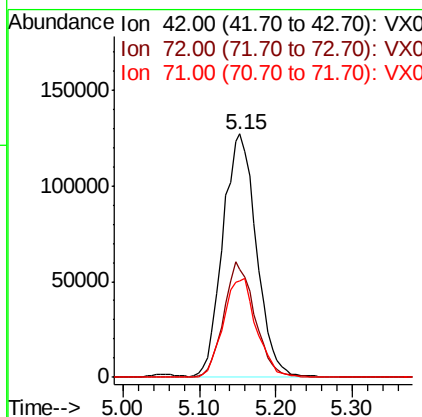
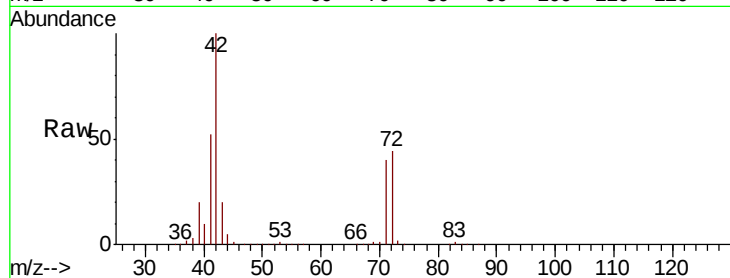
#29
Tetrahydrofuran
Concen: 233.47 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	385287
Ion Ratio		Lower	Upper
42	100		
72	44.3	37.4	56.0
71	40.2	34.5	51.7

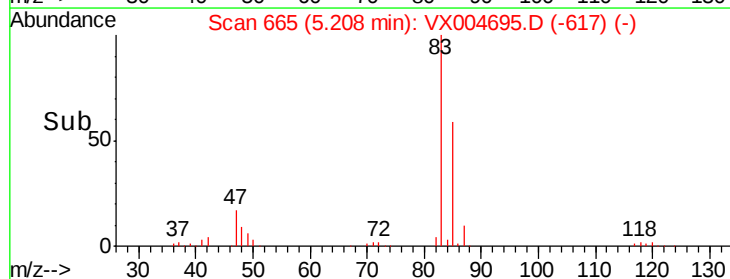
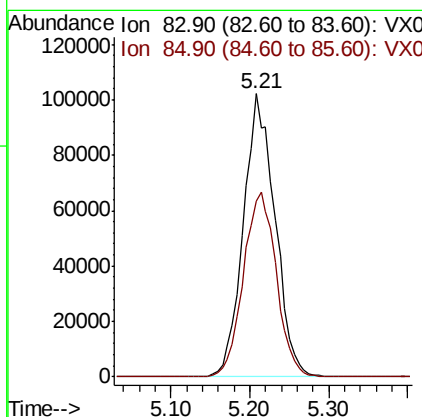
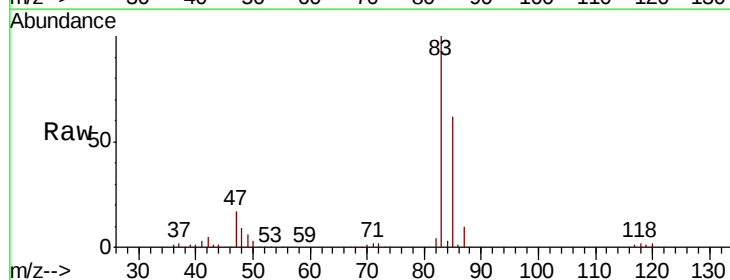
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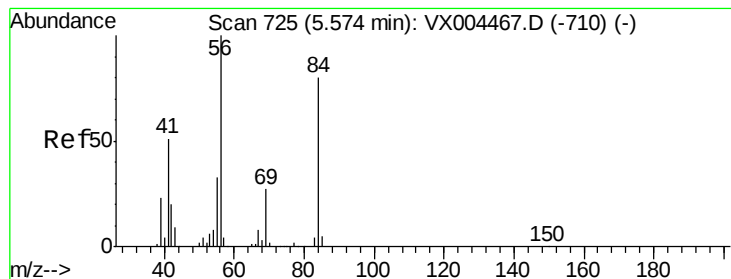
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#30
Chloroform
Concen: 48.80 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Tgt Ion:	83	Resp:	284347
Ion Ratio		Lower	Upper
83	100		
85	62.3	52.6	79.0





#31

Cyclohexane

Concen: 49.46 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :

MSVOA_X

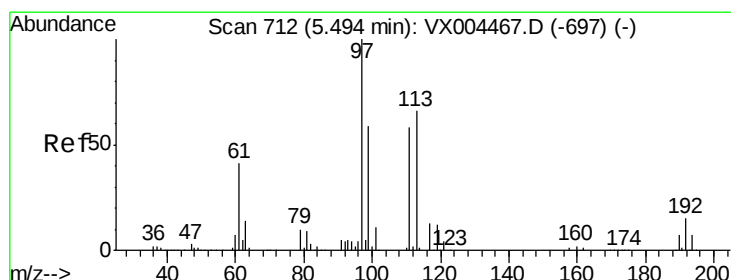
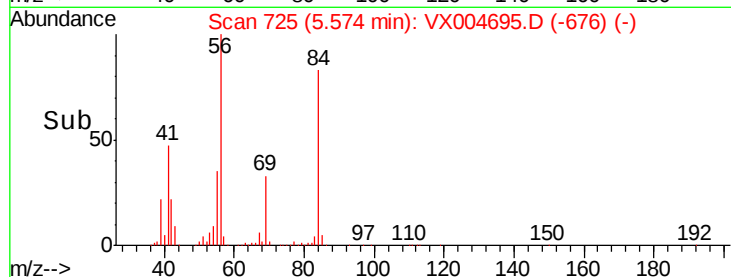
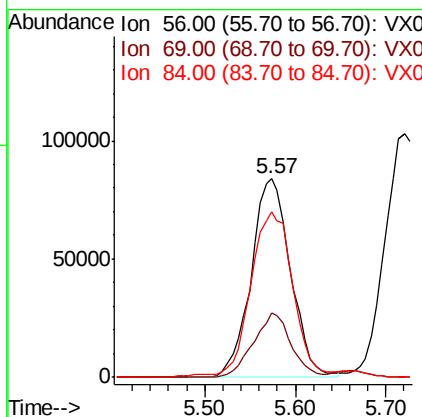
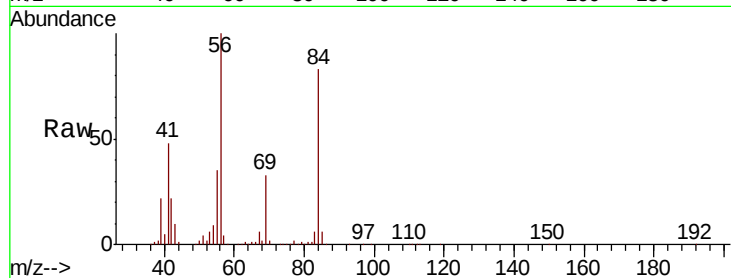
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	252038
Ion	Ratio	Lower	Upper
56	100		
69	32.6	25.4	38.2
84	82.2	71.4	107.2

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#32

1,1,1-Trichloroethane

Concen: 48.21 ug/l

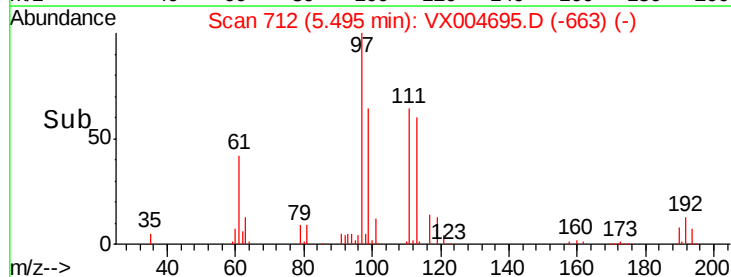
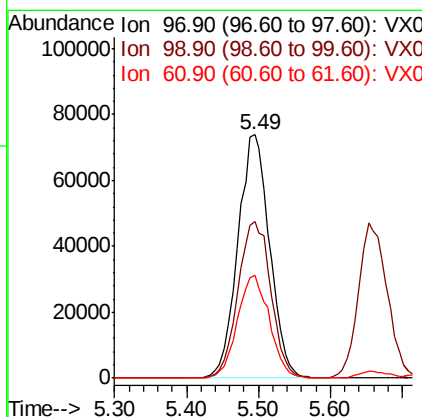
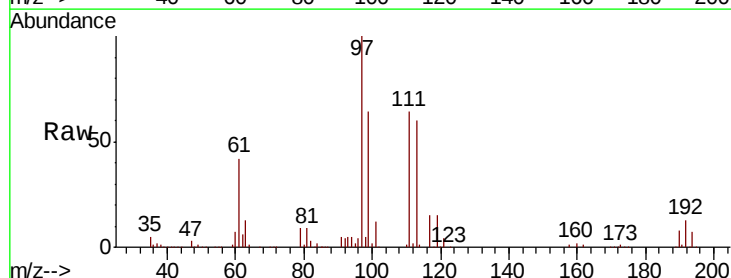
RT: 5.49 min Scan# 712

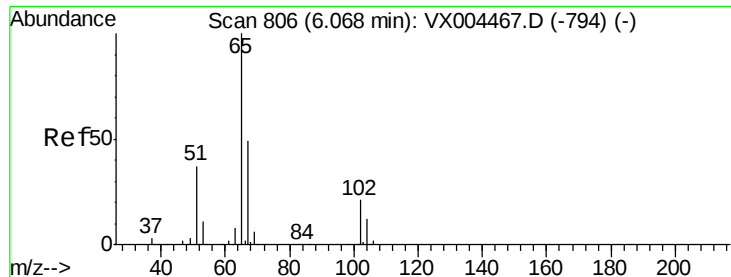
Delta R.T. 0.00 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Tgt Ion:	97	Resp:	226243
Ion	Ratio	Lower	Upper
97	100		
99	66.6	52.0	78.0
61	42.6	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 44.15 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Tot Ion: 65 Resp: 155536

Ion Ratio Lower Upper

65 100

67 57.0 0.0 106.8

Instrument :

MSVOA_X

ClientSampleId :

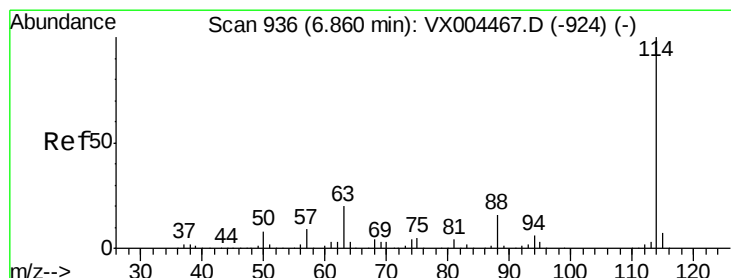
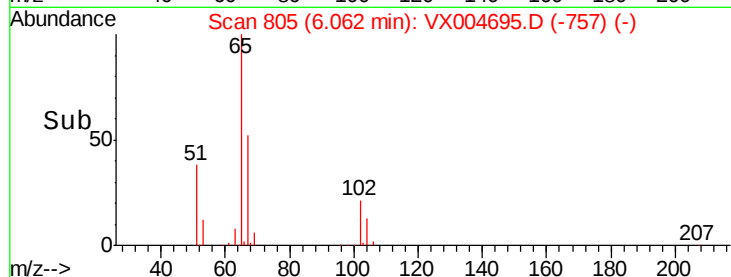
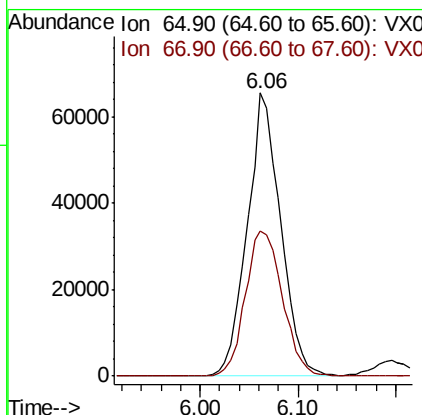
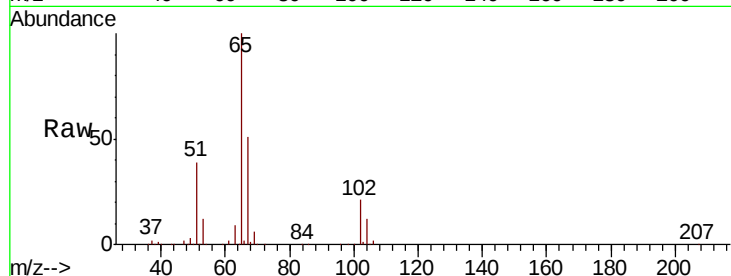
VSTDCCC050

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

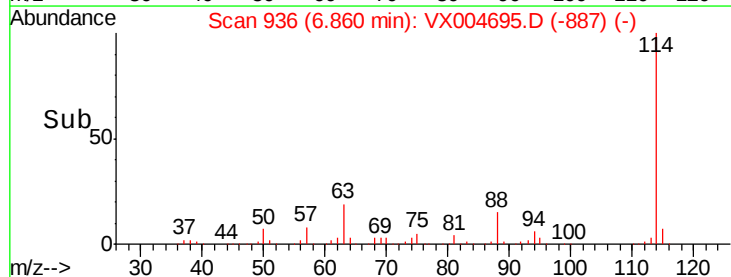
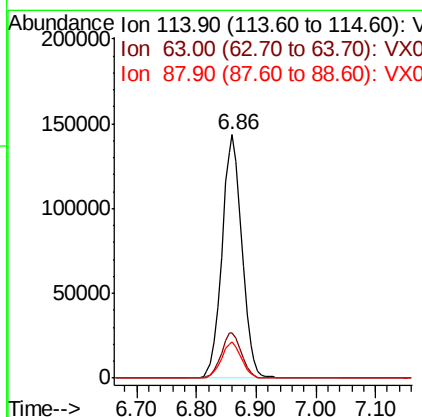
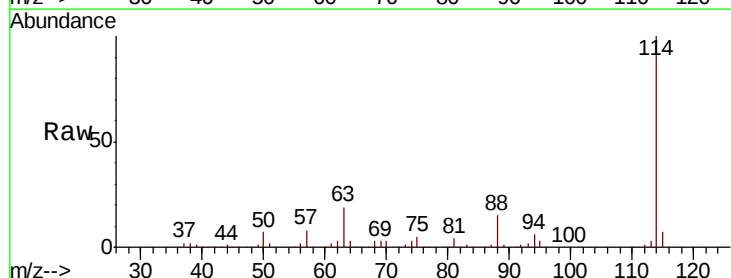
Tgt Ion: 114 Resp: 333159

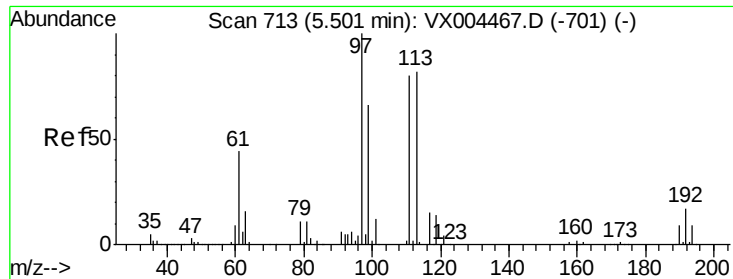
Ion Ratio Lower Upper

114 100

63 18.8 0.0 39.0

88 15.0 0.0 30.4





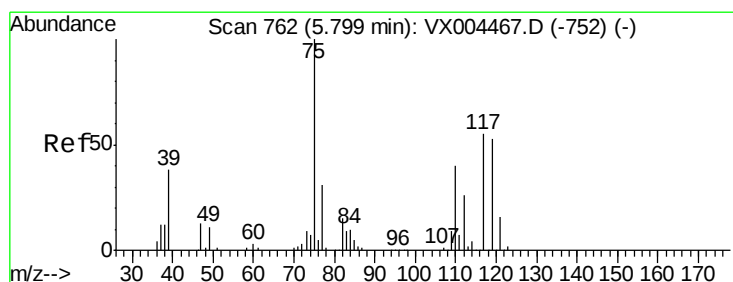
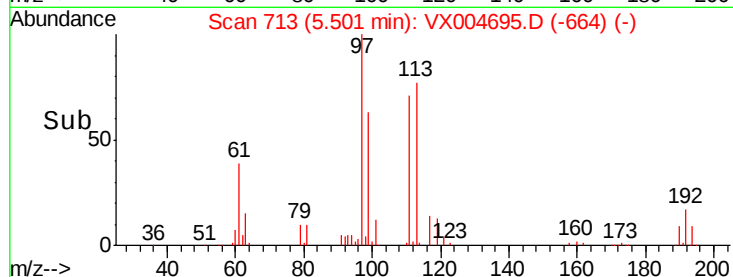
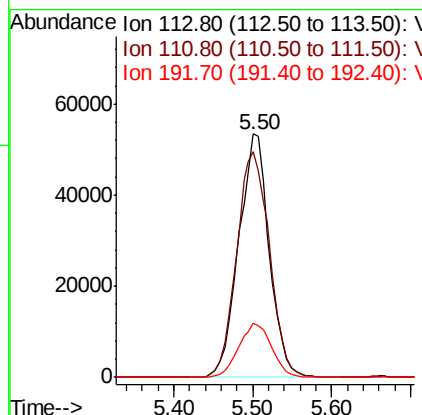
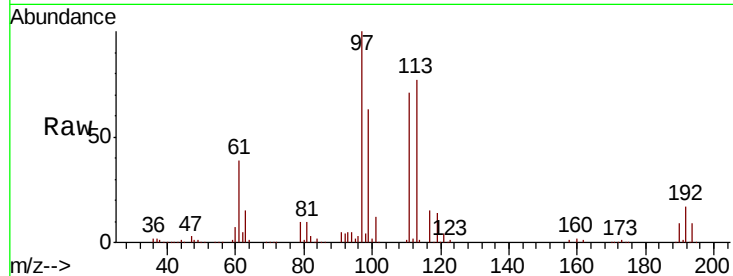
#35
 Dibromofluoromethane
 Concen: 47.06 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004695.D
 Acq: 19 Sep 2018 10:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	143480		
111	99.9	82.4	123.6	
192	23.8	19.4	29.2	

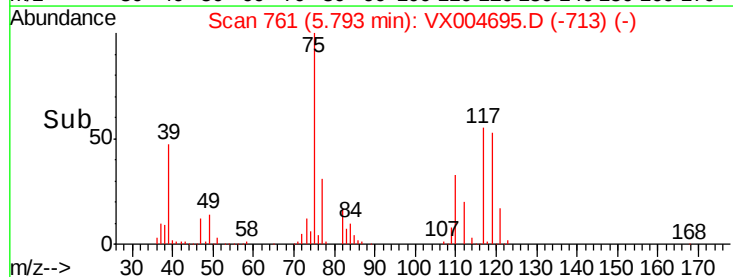
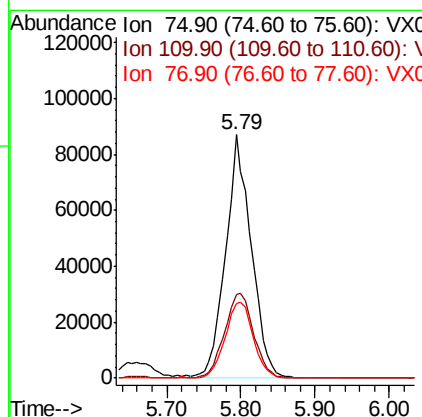
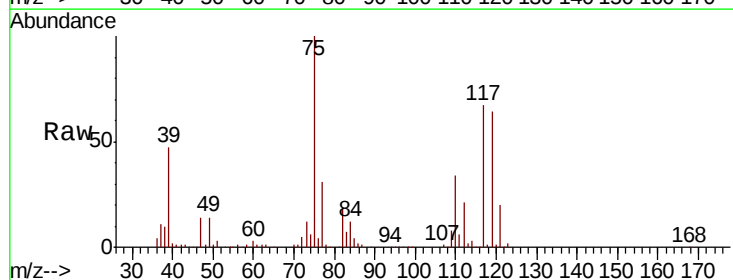
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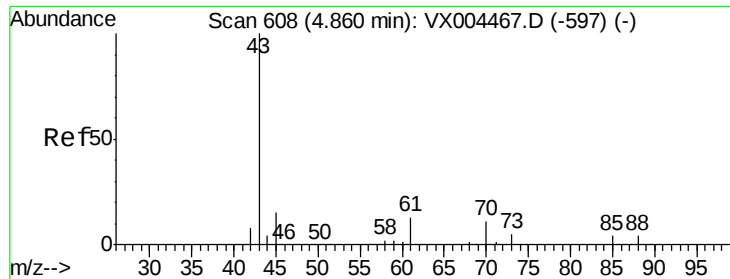
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#36
 1,1-Dichloropropene
 Concen: 51.71 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX004695.D
 Acq: 19 Sep 2018 10:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	209142		
110	39.3	18.0	54.0	
77	34.2	24.6	36.8	





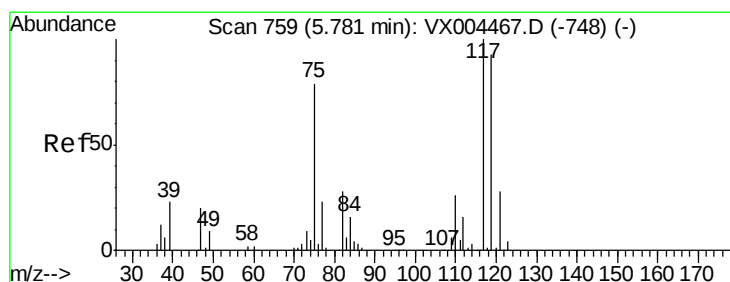
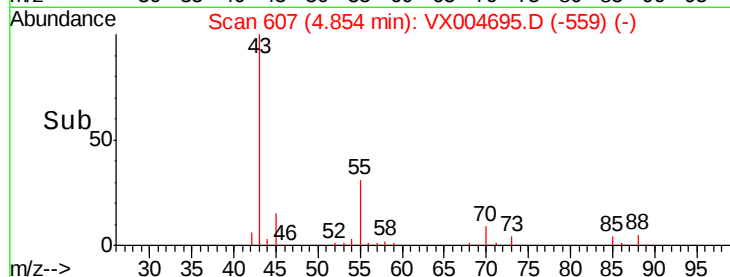
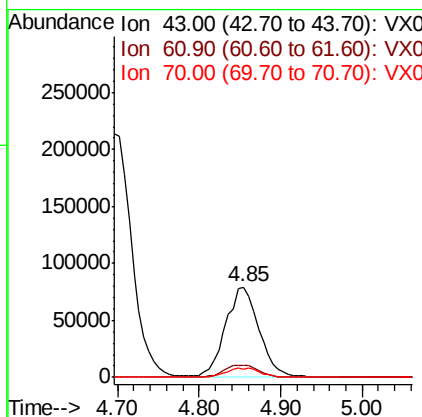
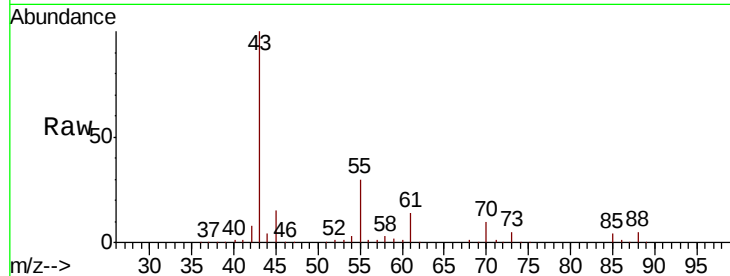
#37
Ethyl Acetate
Concen: 48.71 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.5	17.3
70	10.8	9.0	13.6

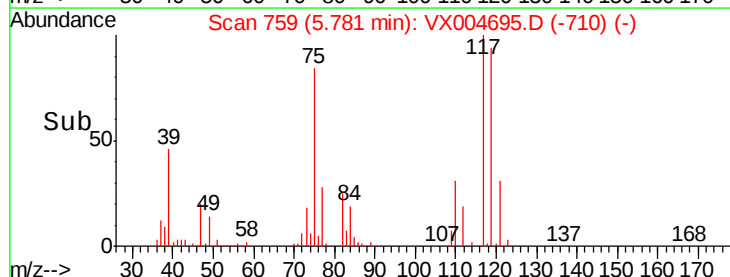
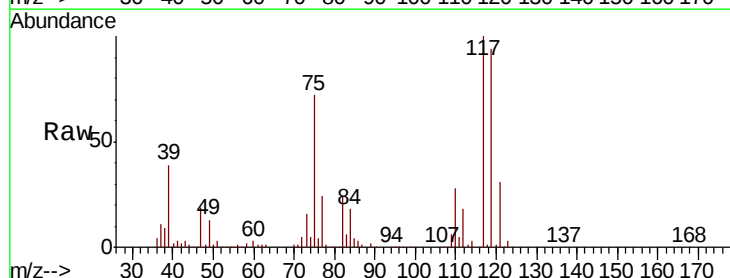
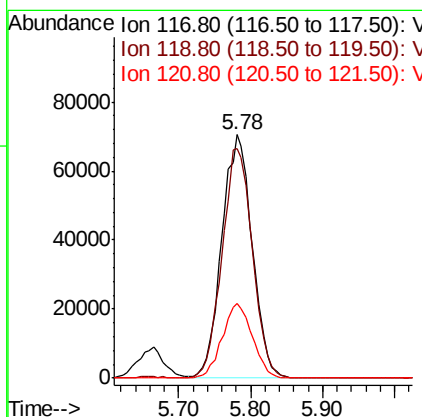
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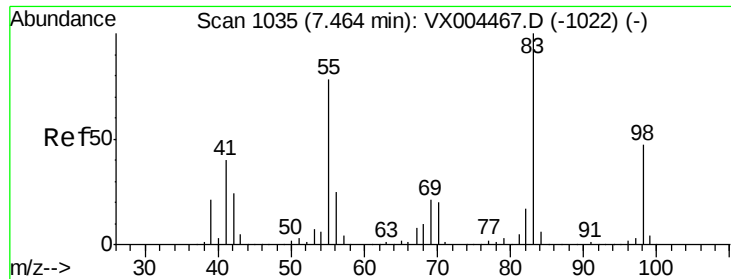
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#38
Carbon Tetrachloride
Concen: 52.28 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	78.8	118.2
121	30.7	24.9	37.3





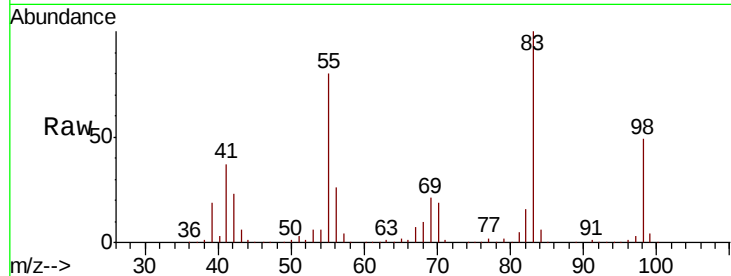
#39
Methvlcvclohexane
Concen: 56.64 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

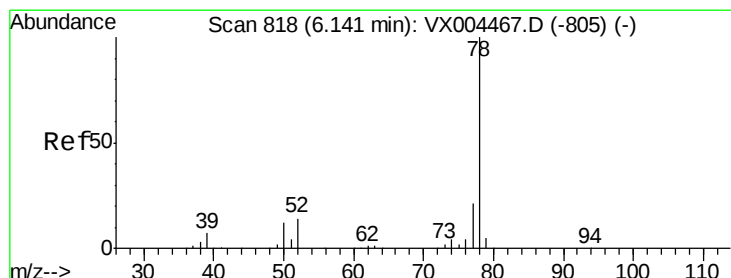
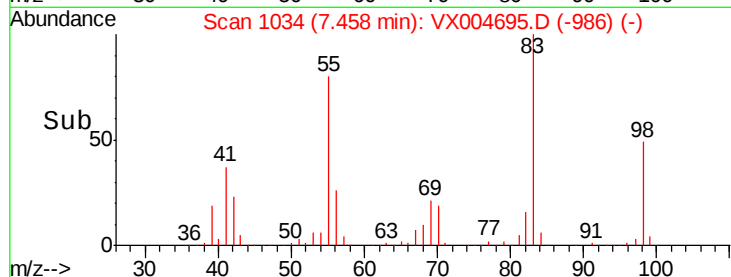
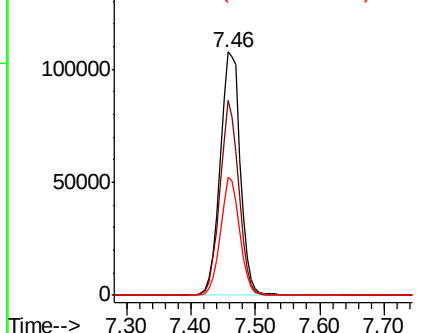
Tot Ion	Ratio	Resp	Lower	Upper
83	100	239050		
55	80.1	61.0	91.4	
98	48.7	39.6	59.4	

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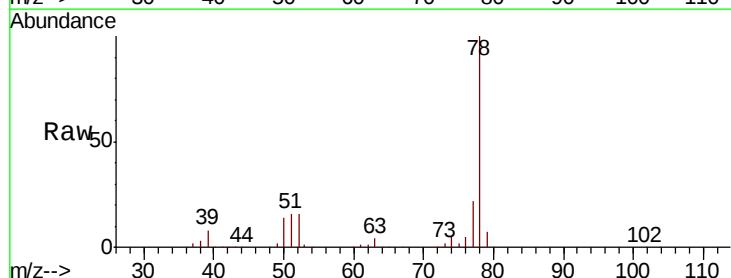


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

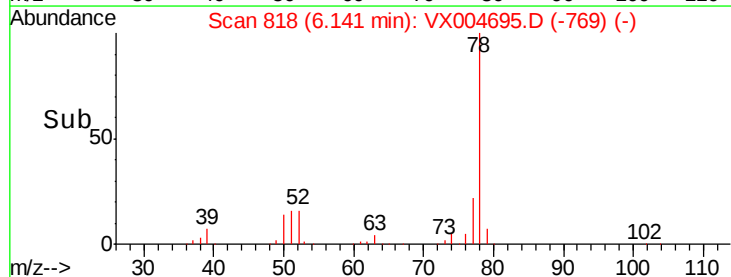
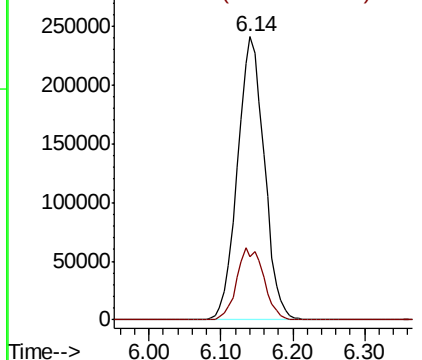


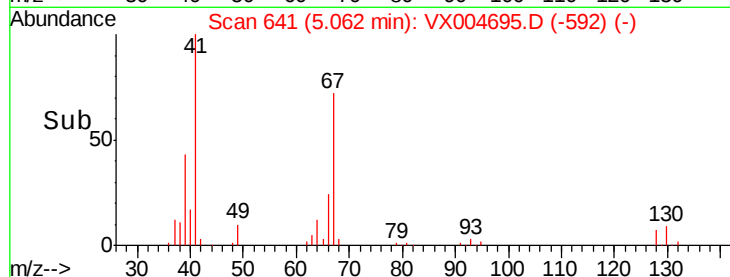
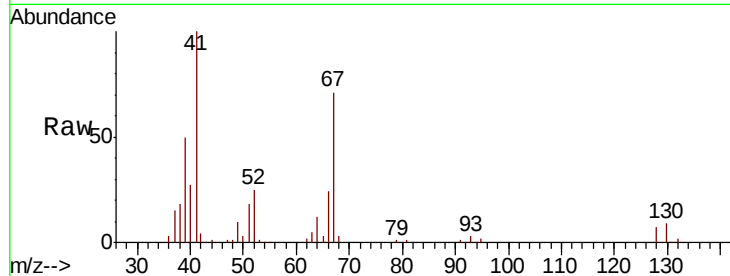
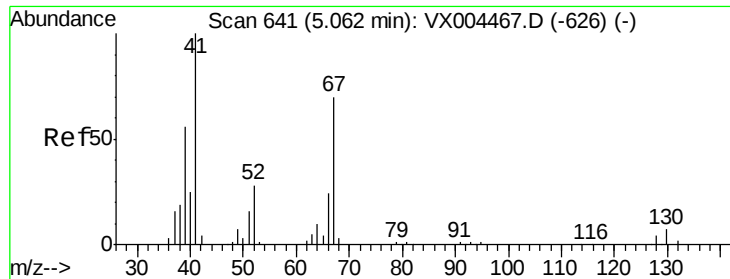
#40
Benzene
Concen: 51.99 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	623939		
77	22.4	19.0	28.4	



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





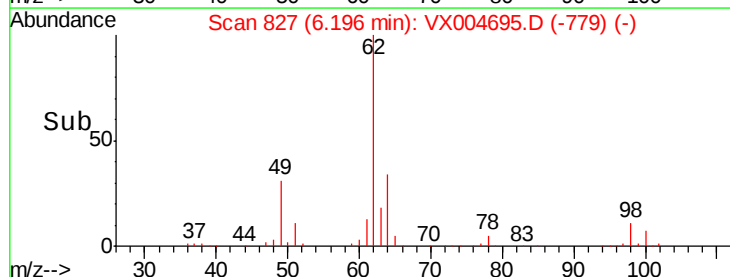
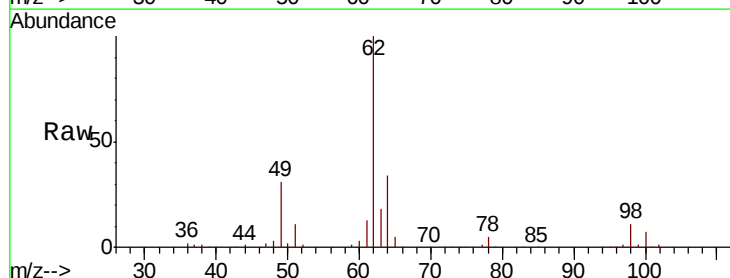
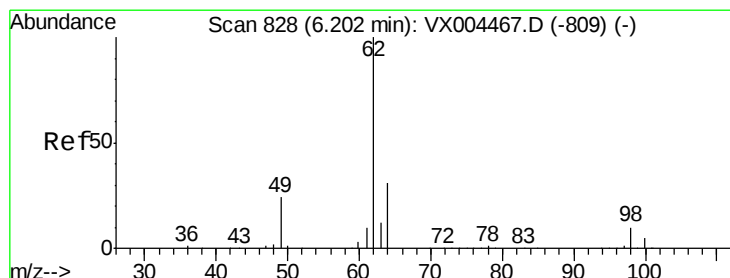
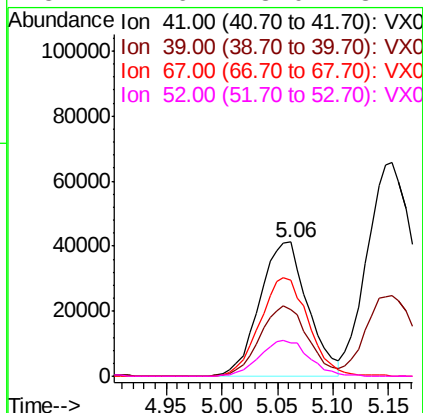
#41
Methacrylonitrile
Concen: 48.84 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.1	42.4	63.6	
67	74.3	59.2	88.8	
52	27.6	23.0	34.4	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

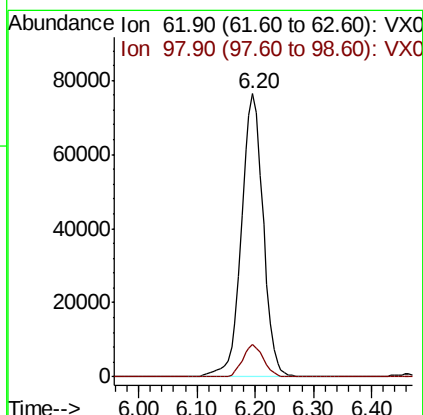
Manual Integrations
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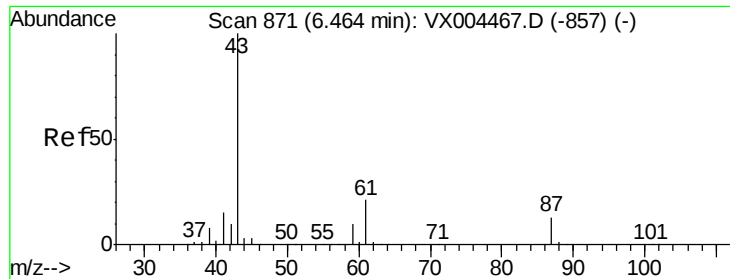
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#42
1,2-Dichloroethane
Concen: 49.55 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.01 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.9	0.0	20.6	





#43

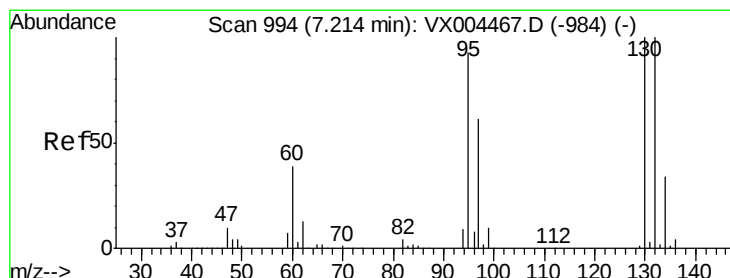
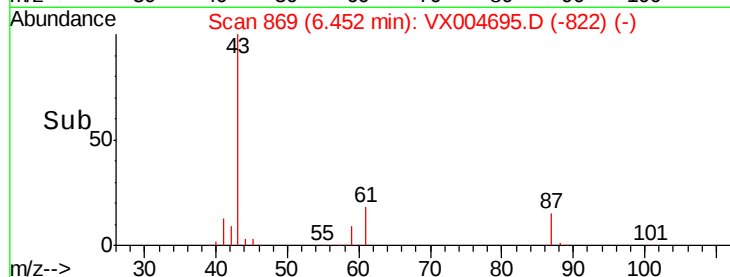
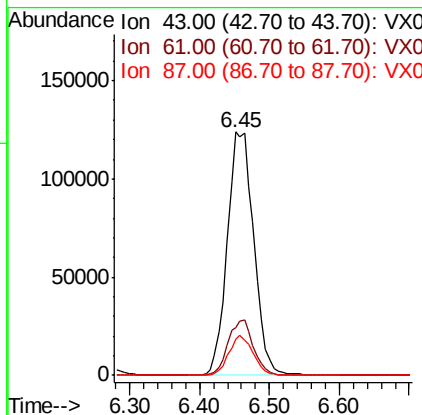
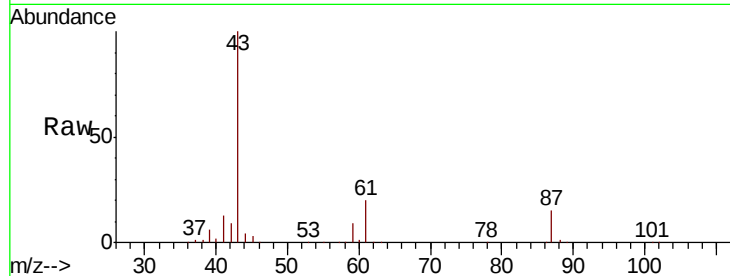
Isopropyl Acetate
 Concen: 53.16 ug/l
 RT: 6.45 min Scan# 869
 Delta R.T. -0.01 min
 Lab File: VX004695.D
 Acq: 19 Sep 2018 10:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.9	17.0	25.4
87	15.0	11.4	17.2

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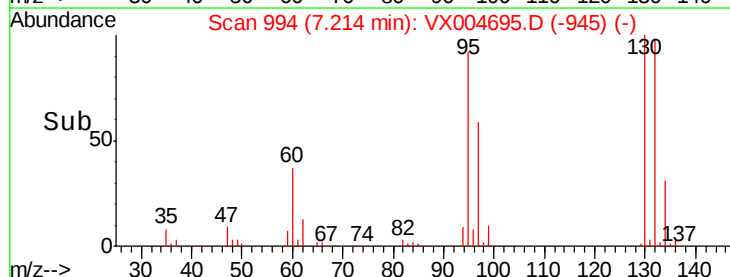
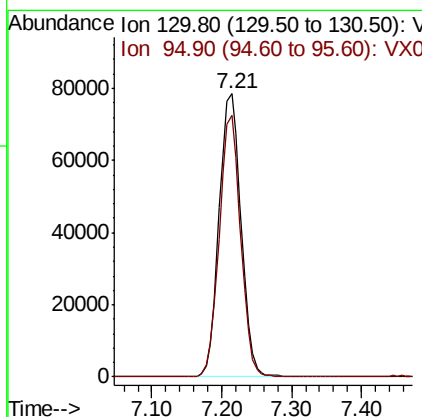
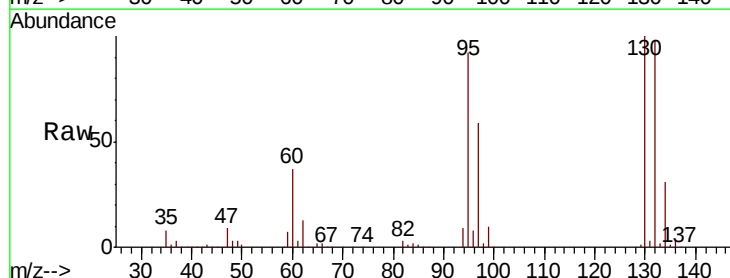
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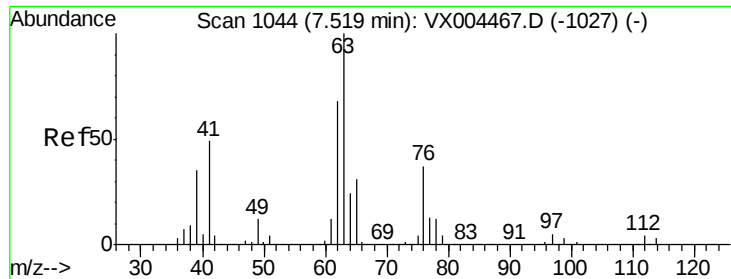


#44

Trichloroethene
 Concen: 54.98 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX004695.D
 Acq: 19 Sep 2018 10:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.2	0.0	181.6





#45

1,2-Dichloropropane

Concen: 51.45 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 148569

Ion Ratio Lower Upper

63 100

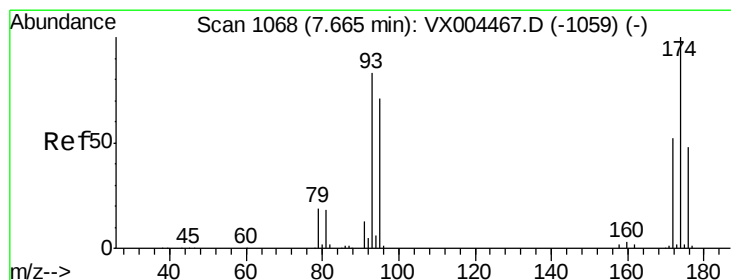
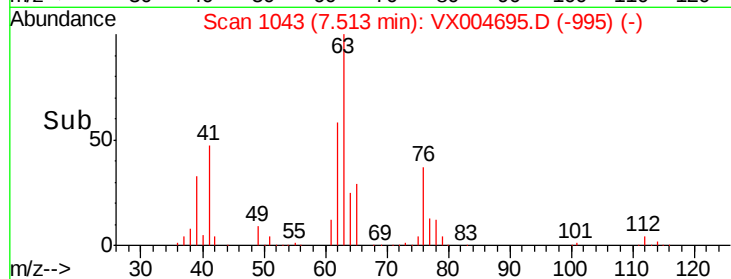
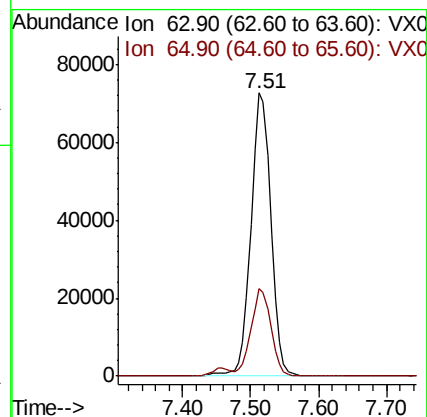
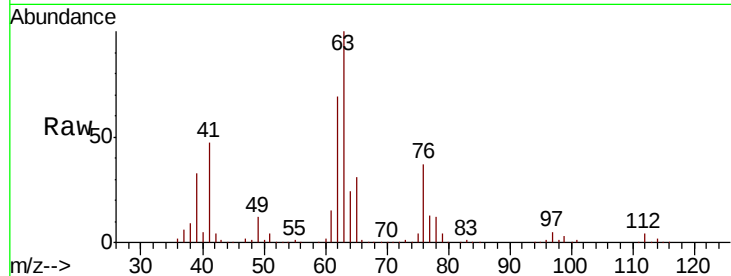
65 30.8 24.3 36.5

Manual Integrations

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#46

Dibromomethane

Concen: 50.83 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

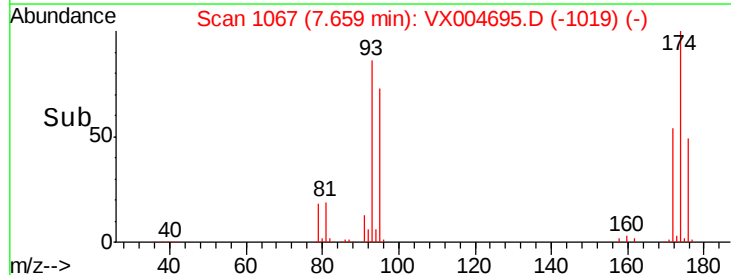
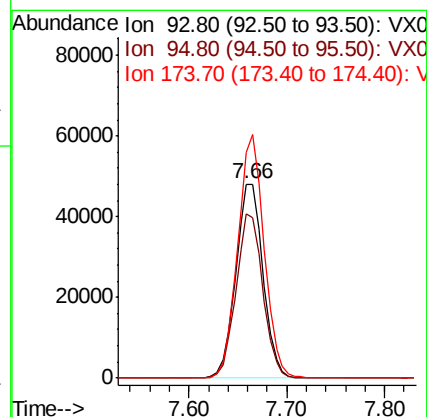
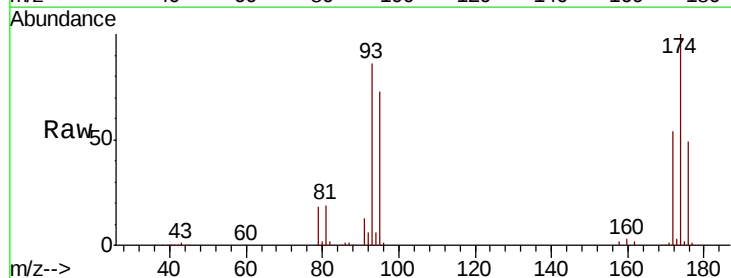
Tgt Ion: 93 Resp: 92738

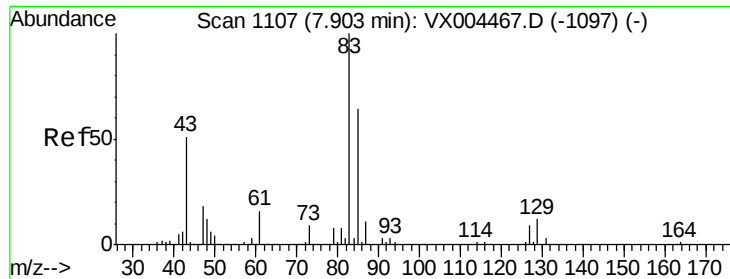
Ion Ratio Lower Upper

93 100

95 83.5 65.5 98.3

174 122.0 94.2 141.4





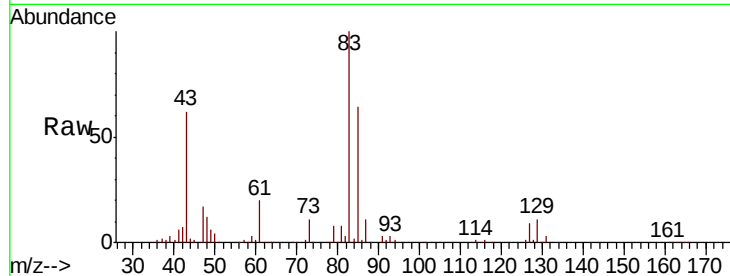
#47
Bromodichloromethane
Concen: 51.60 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

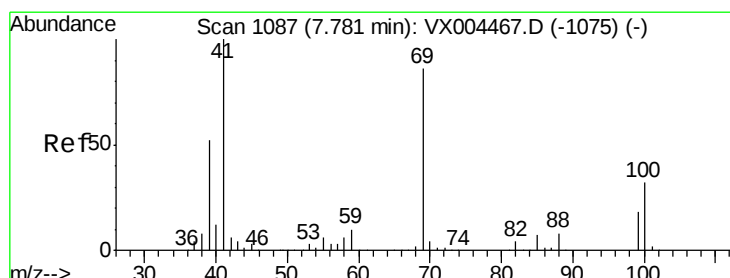
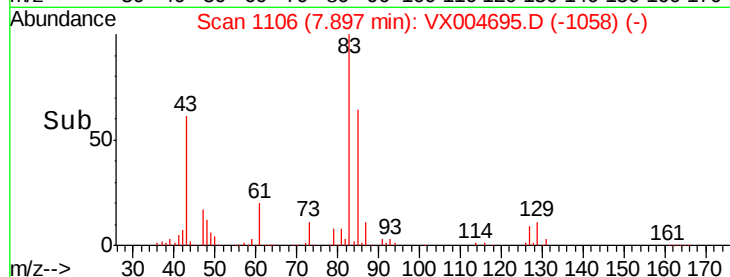
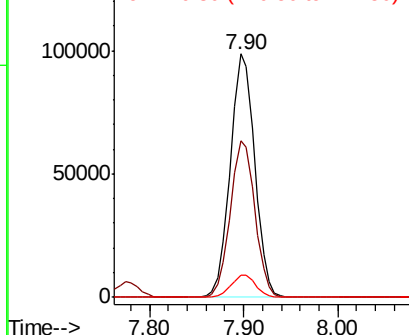
Tot Ion	83	Resp	178009
Ion Ratio	Lower	Upper	
83	100		
85	64.1	50.9	76.3
127	9.0	7.3	10.9

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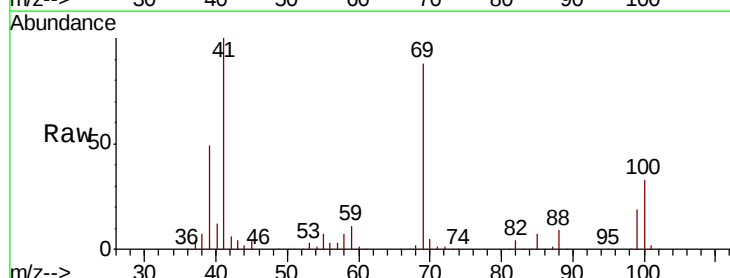


Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V

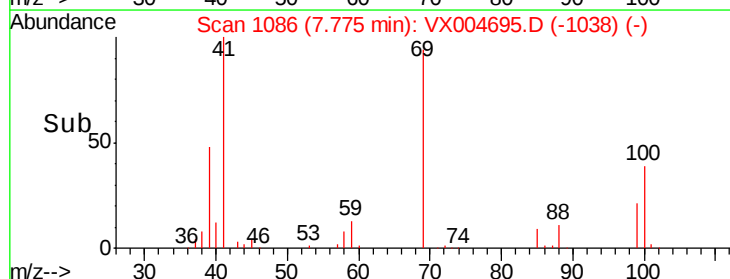
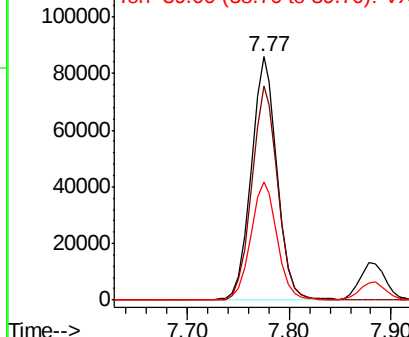


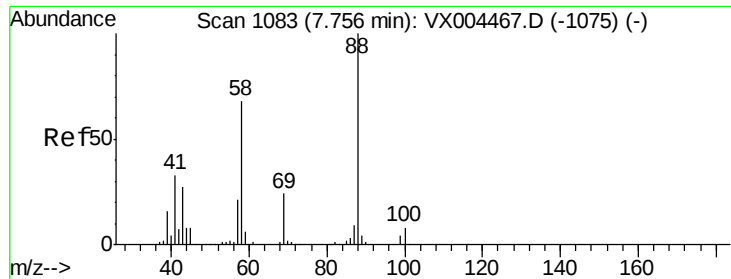
#48
Methyl methacrylate
Concen: 50.03 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.01 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Tgt Ion	41	Resp	151275
Ion Ratio	Lower	Upper	
41	100		
69	89.2	70.2	105.4
39	49.7	42.7	64.1



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





#49

1,4-Dioxane

Concen: 1020.95 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.00 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :

MSVOA_X

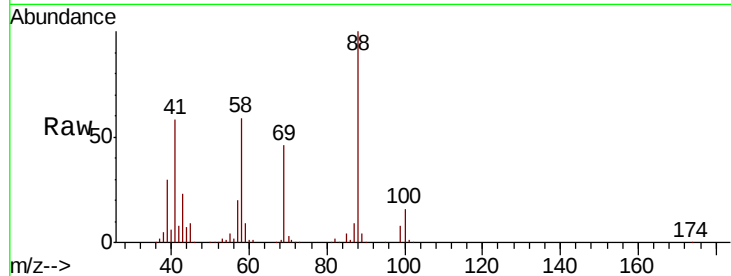
ClientSampled :

VSTDCCC050

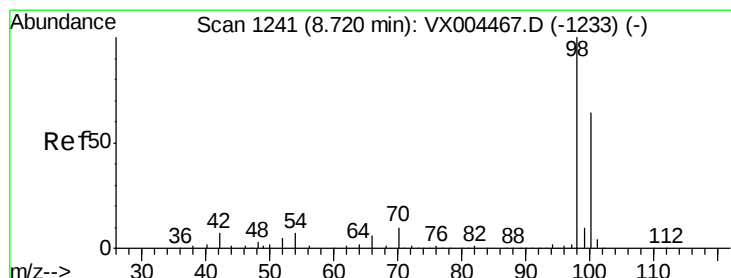
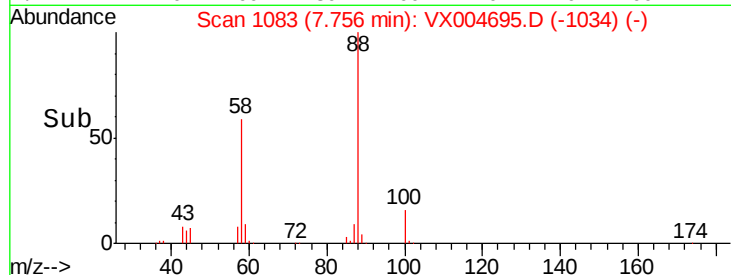
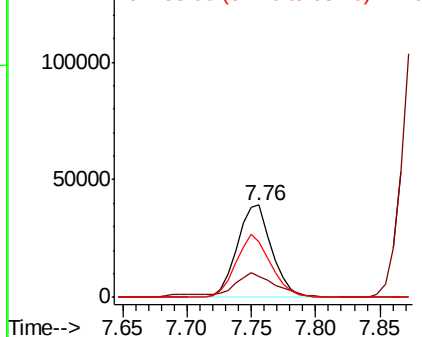
Tot Ion:	88	Resp:	73068
Ion	Ratio	Lower	Upper
88	100		
43	29.6	24.7	37.1
58	68.4	55.3	82.9

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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: 46.60 ug/l

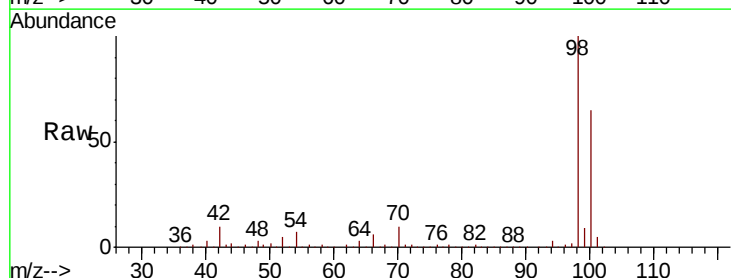
RT: 8.71 min Scan# 1240

Delta R.T. -0.01 min

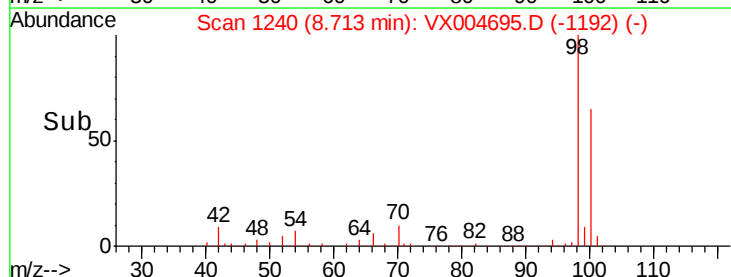
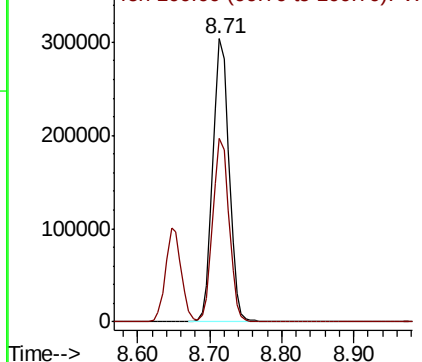
Lab File: VX004695.D

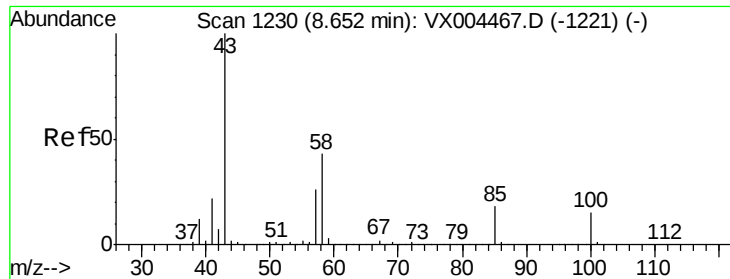
Acq: 19 Sep 2018 10:04

Tgt Ion:	98	Resp:	476481
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): V





#51

4-Methyl-2-Pentanone

Concen: 223.09 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 961929

Ion Ratio Lower Upper

43 100

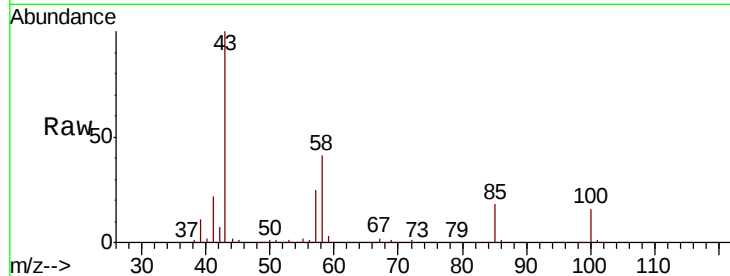
58 41.0 33.1 49.7

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

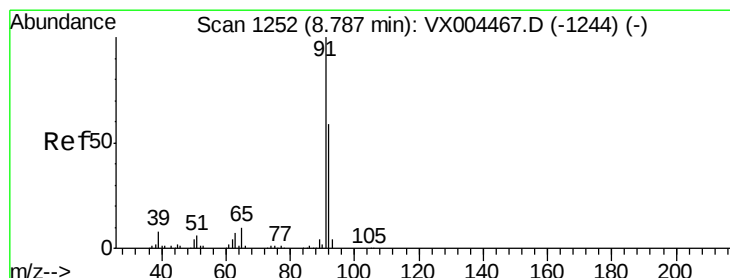
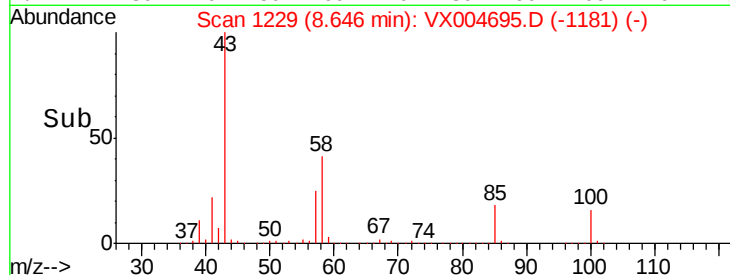
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 50.42 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX004695.D

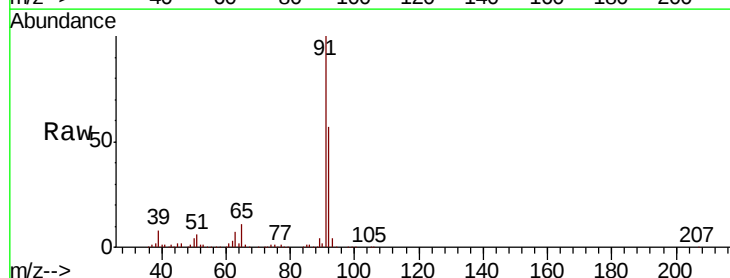
Acq: 19 Sep 2018 10:04

Tgt Ion: 92 Resp: 356489

Ion Ratio Lower Upper

92 100

91 173.4 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

400000

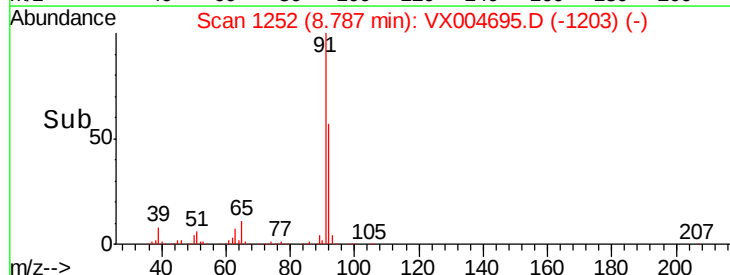
300000

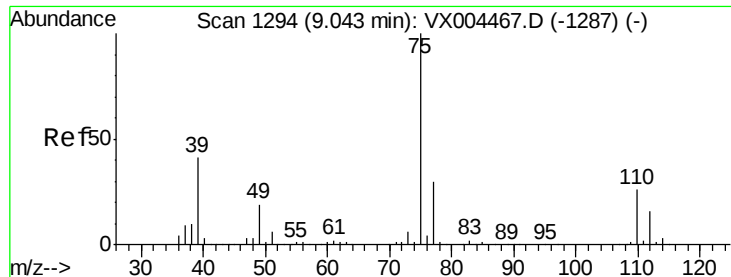
200000

100000

0

Time-->





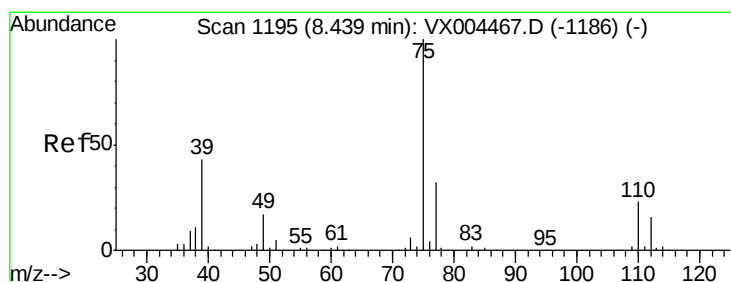
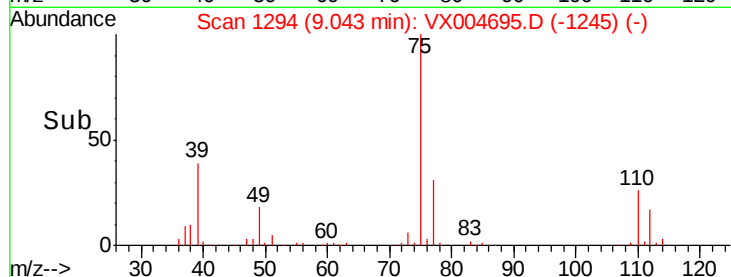
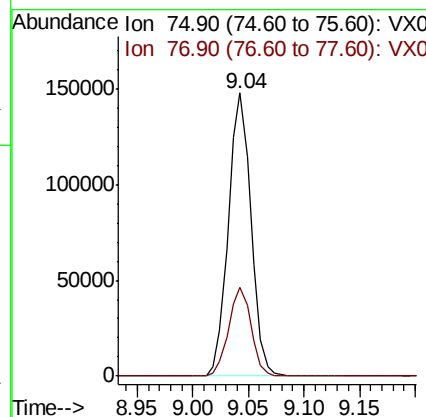
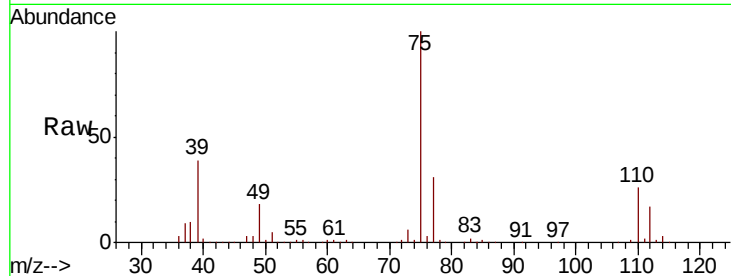
#53
t-1,3-Dichloropropene
Concen: 51.65 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 208150
Ion Ratio Lower Upper
75 100
77 31.5 24.6 37.0

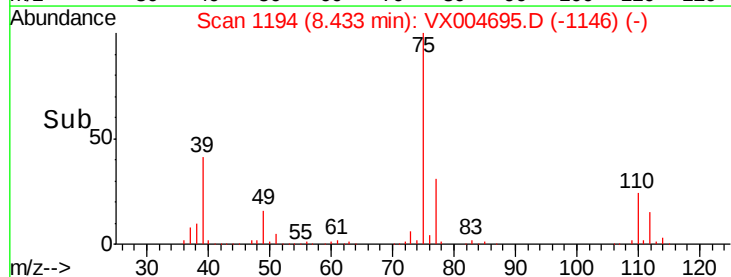
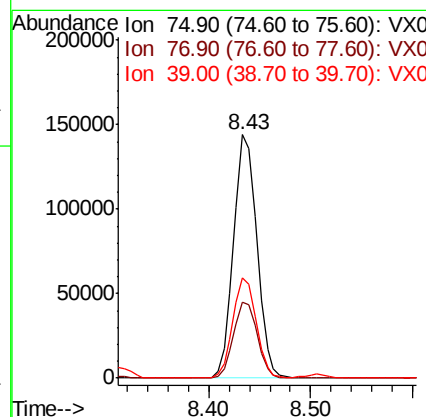
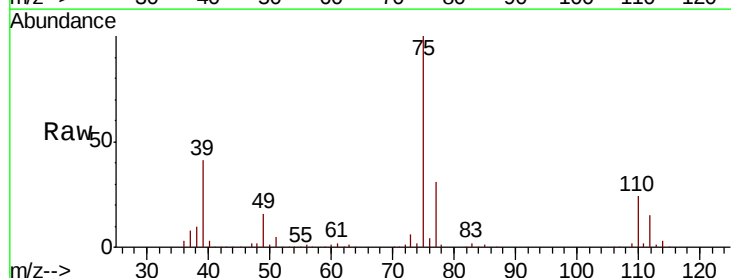
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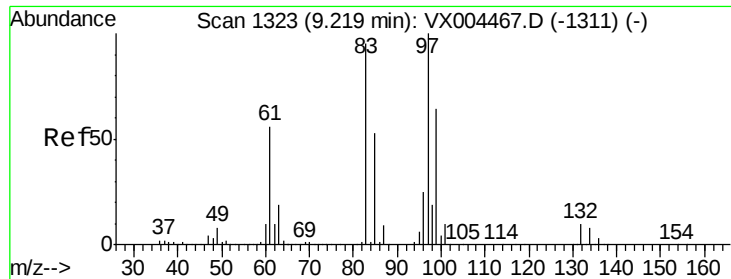
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#54
cis-1,3-Dichloropropene
Concen: 55.29 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.01 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Tgt Ion: 75 Resp: 227127
Ion Ratio Lower Upper
75 100
77 31.3 26.2 39.2
39 40.9 36.4 54.6





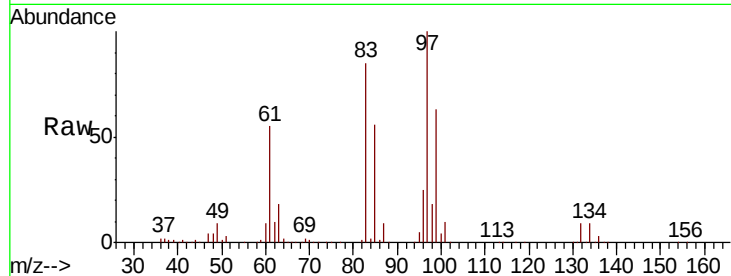
#55
 1,1,2-Trichloroethane
 Concen: 47.44 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX004695.D
 Acq: 19 Sep 2018 10:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

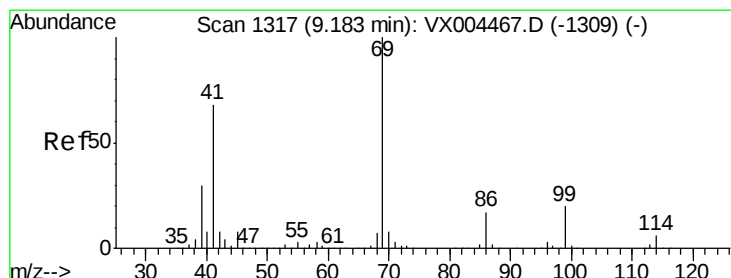
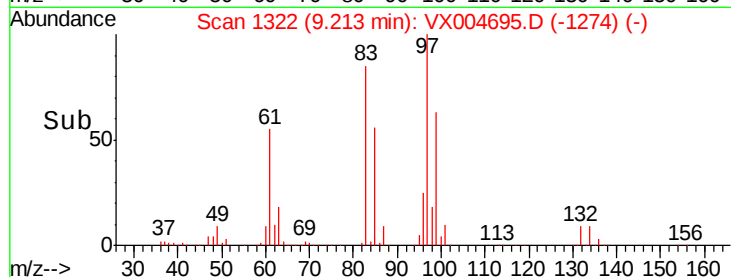
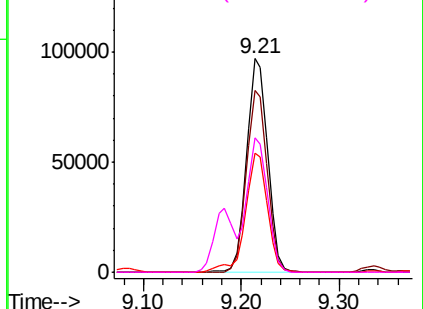
Tot Ion:	97	Resp:	144431
Ion Ratio	Lower	Upper	
97	100		
83	85.1	66.4	99.6
85	55.7	43.3	64.9
99	63.1	49.0	73.4

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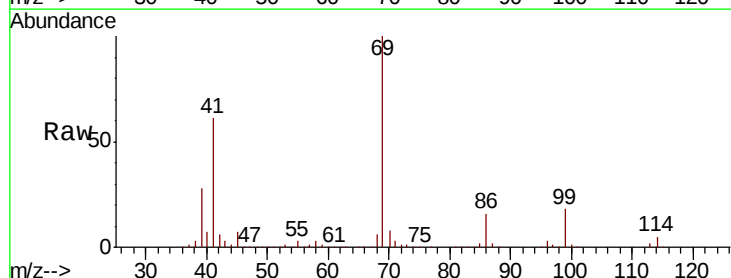


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

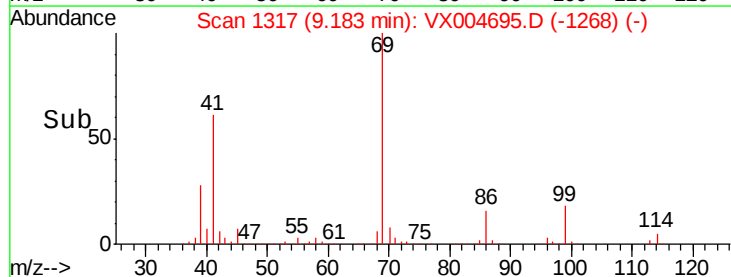
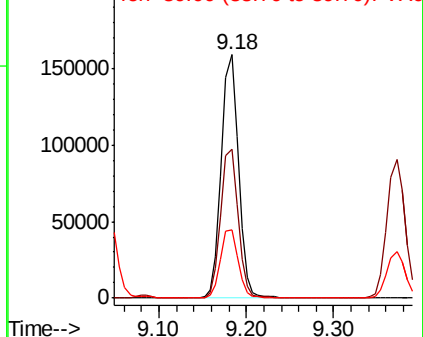


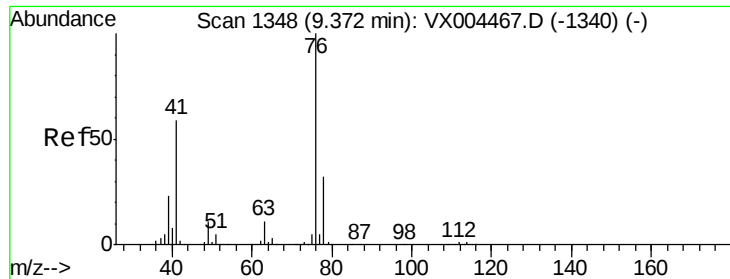
#56
 Ethyl methacrylate
 Concen: 50.32 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX004695.D
 Acq: 19 Sep 2018 10:04

Tgt Ion:	69	Resp:	216713
Ion Ratio	Lower	Upper	
69	100		
41	62.0	51.0	76.4
39	29.0	26.1	39.1



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





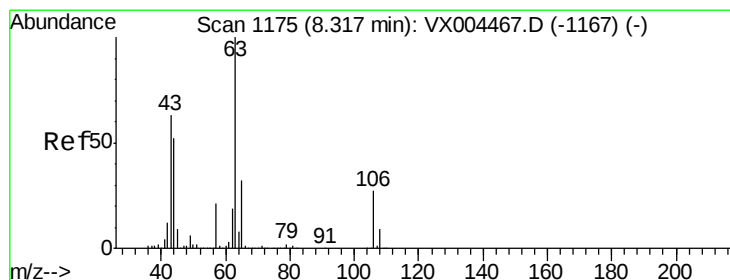
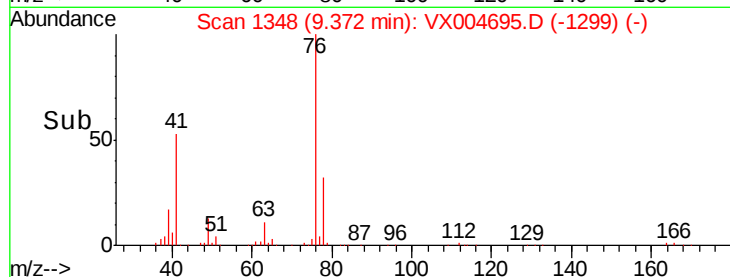
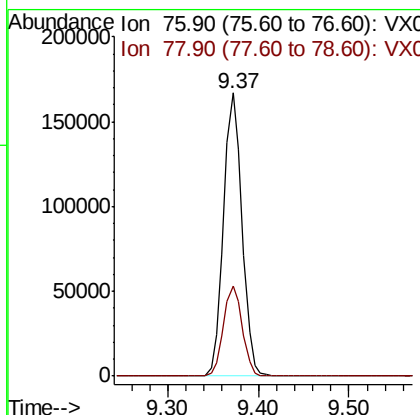
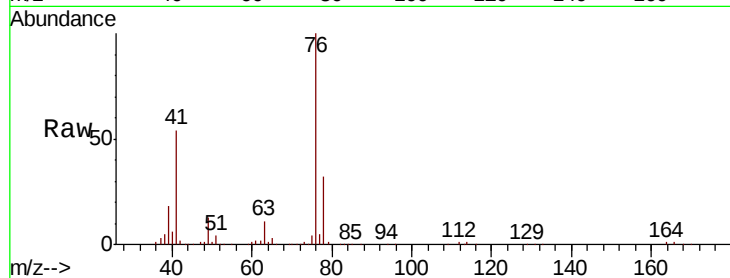
#57
 1,3-Dichloropropane
 Concen: 47.95 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX004695.D
 Acq: 19 Sep 2018 10:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.5	38.3

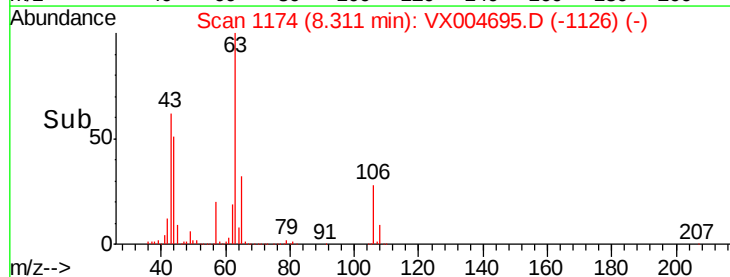
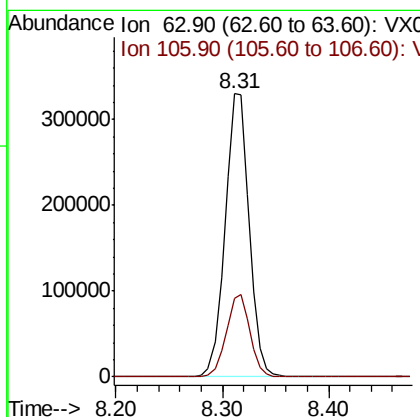
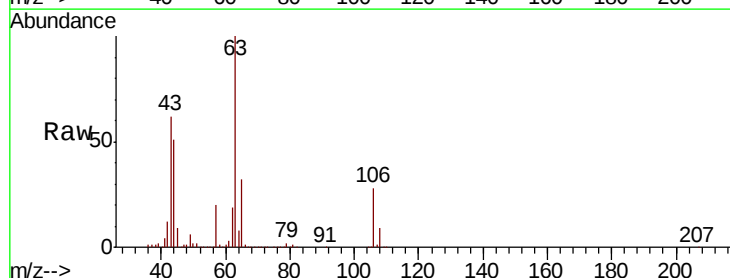
Manual Integrations
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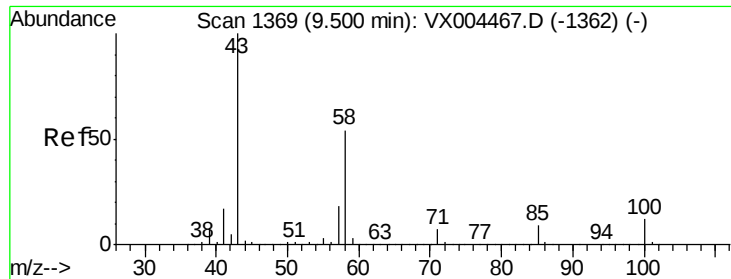
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#58
 2-Chloroethyl Vinyl ether
 Concen: 237.88 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VX004695.D
 Acq: 19 Sep 2018 10:04

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.6	23.9	35.9





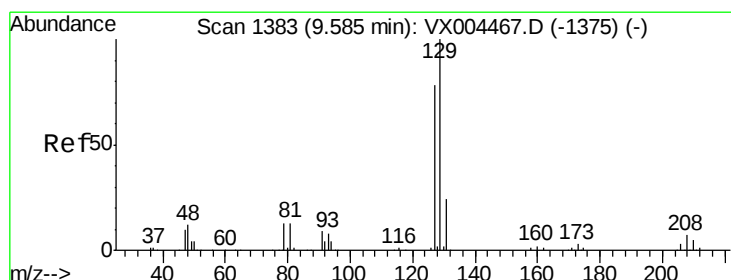
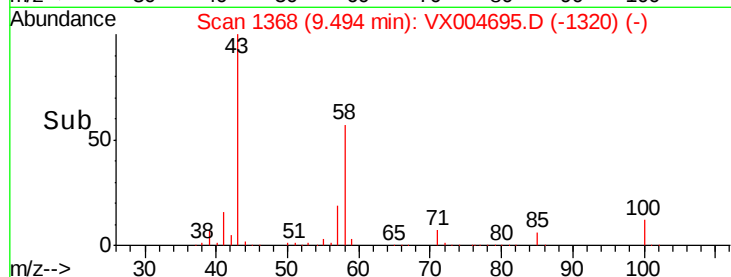
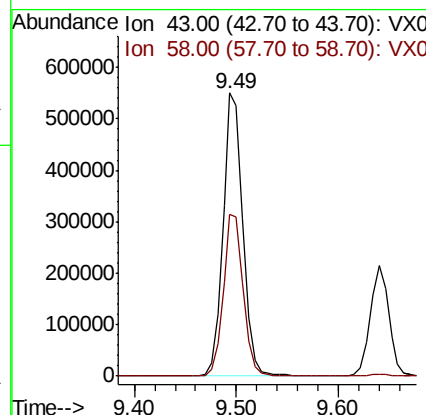
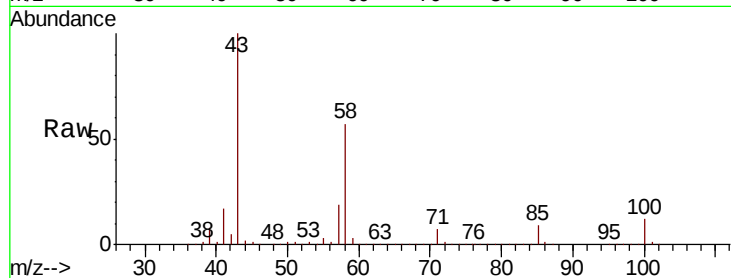
#59
2-Hexanone
Concen: 226.10 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 747801
Ion Ratio Lower Upper
43 100
58 57.5 29.0 87.0

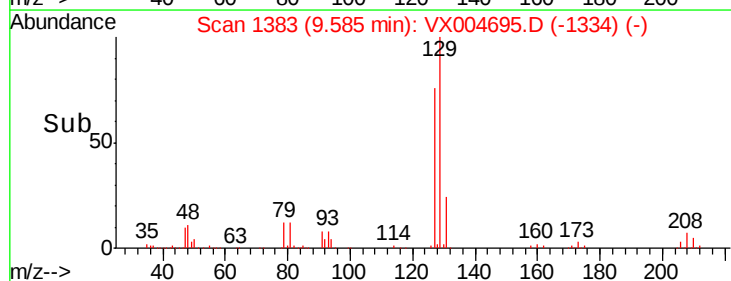
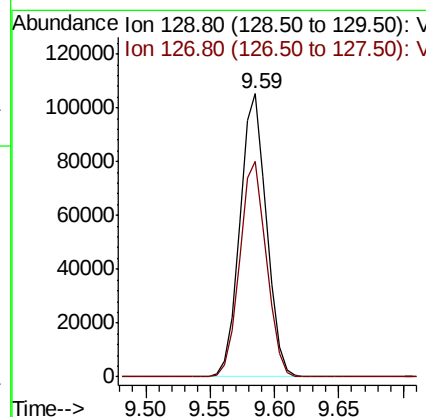
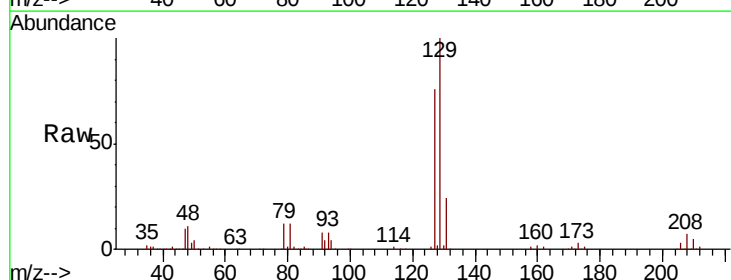
Manual Integrations
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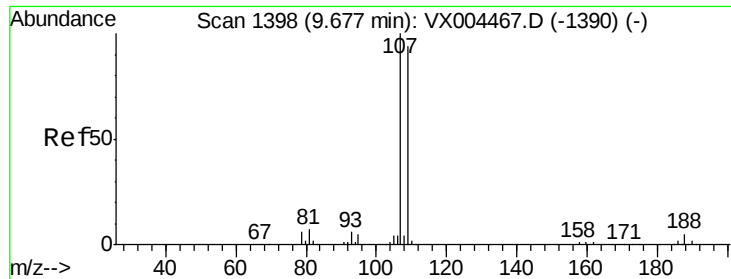
MMDadoda
9/20/2018 1:42:34 PM



#60
Dibromochloromethane
Concen: 52.34 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Tgt Ion: 129 Resp: 150023
Ion Ratio Lower Upper
129 100
127 76.5 38.5 115.5





#61

1,2-Dibromoethane

Concen: 51.26 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 149087

Ion Ratio Lower Upper

107 100

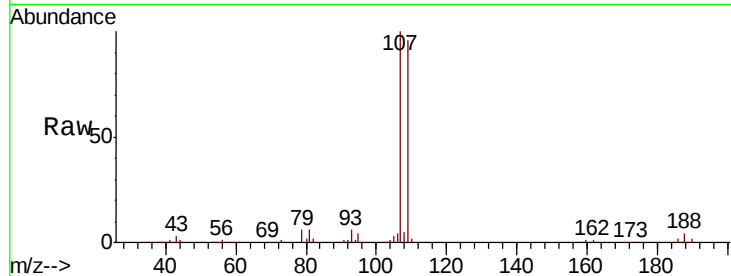
109 94.7 76.0 114.0

Manual Integrations

APPROVED

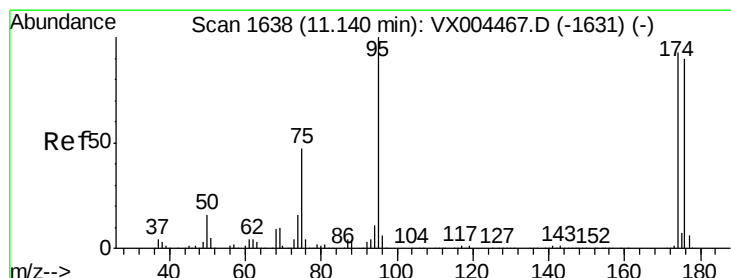
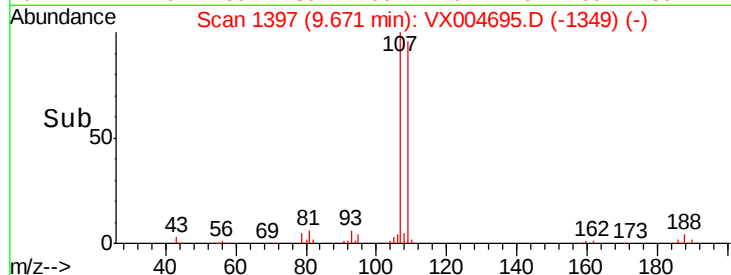
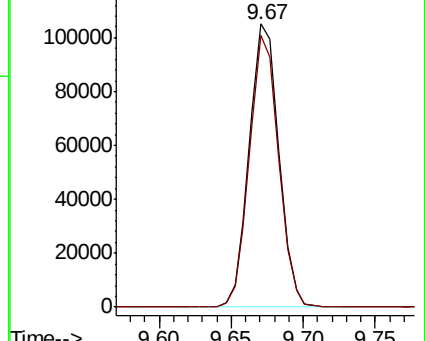
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.36 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

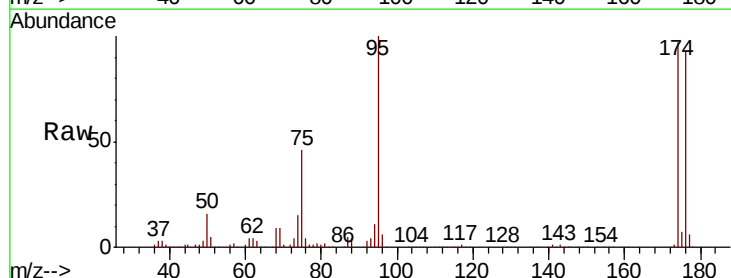
Tgt Ion: 95 Resp: 180123

Ion Ratio Lower Upper

95 100

174 94.4 0.0 185.2

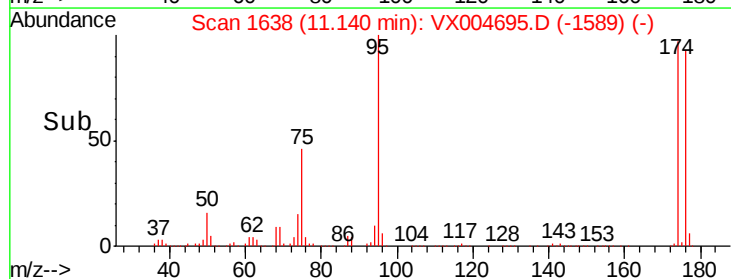
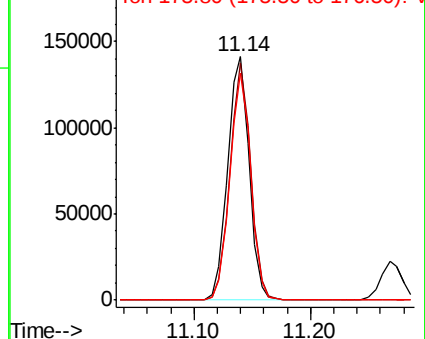
176 91.5 0.0 178.6

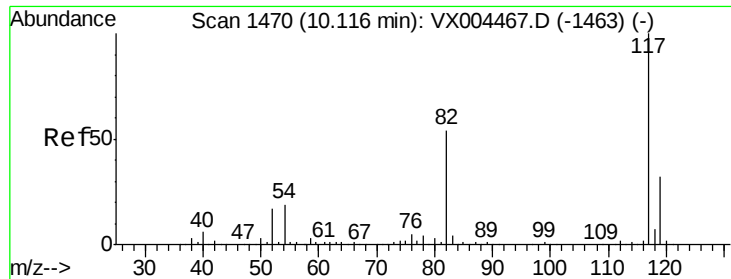


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





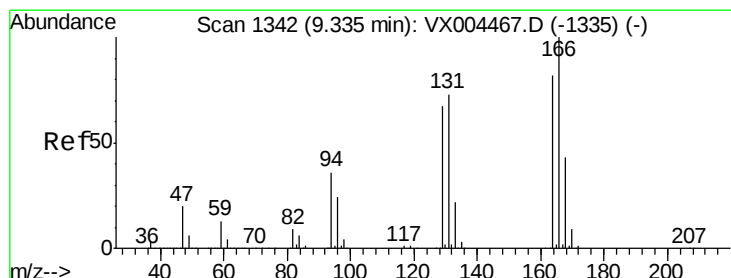
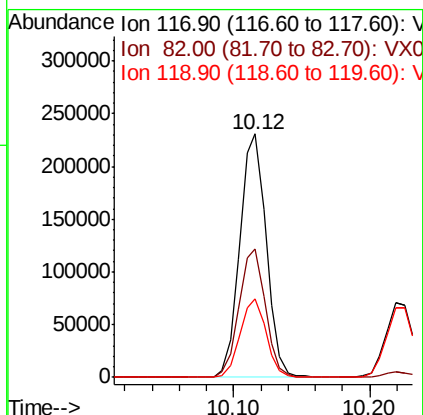
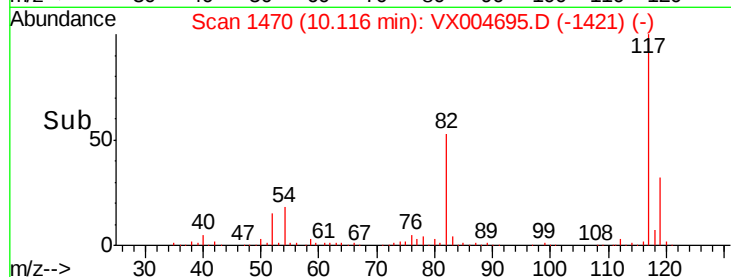
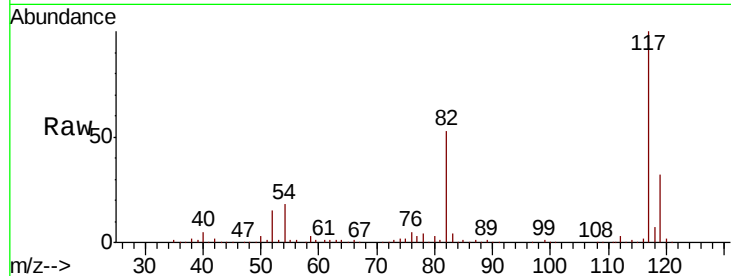
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	47.8	71.6
119	32.4	29.3	43.9

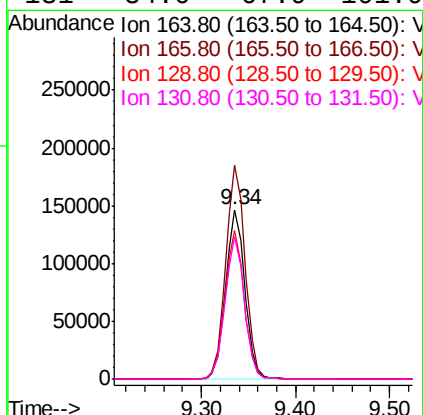
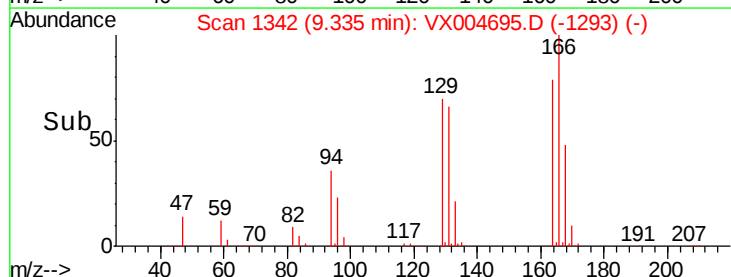
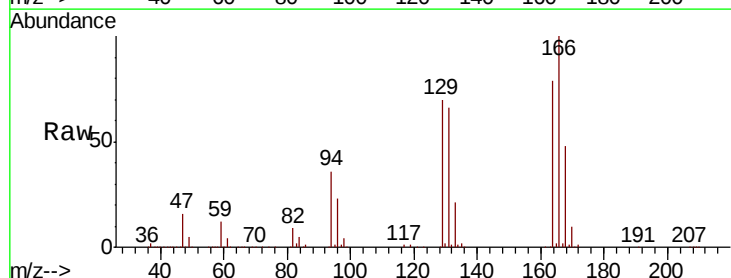
Manual Integrations
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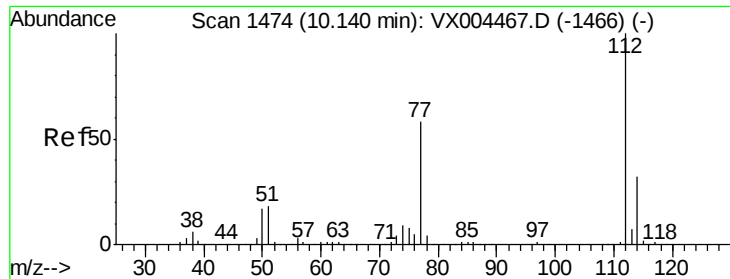
MMDadoda
9/20/2018 1:42:34 PM



#64
Tetrachloroethene
Concen: 53.09 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	102.8	154.2
129	88.2	69.4	104.0
131	84.0	67.9	101.9





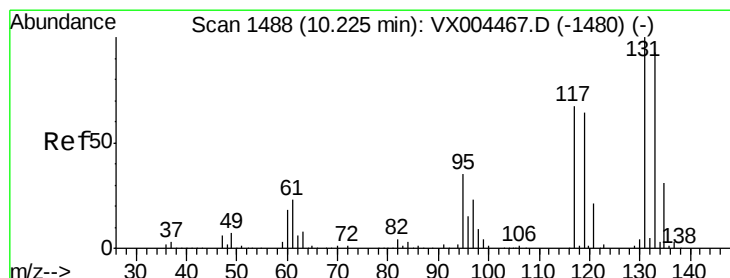
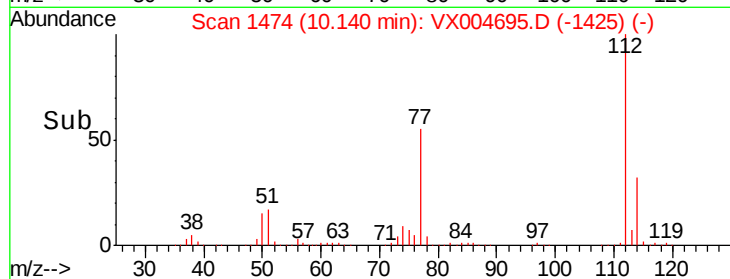
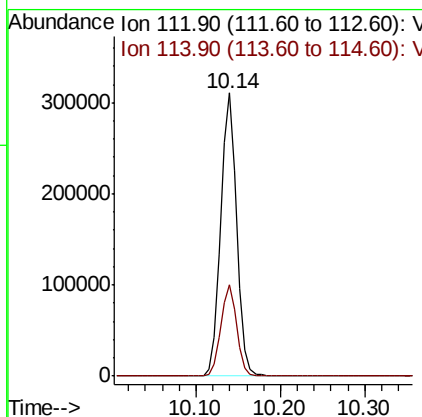
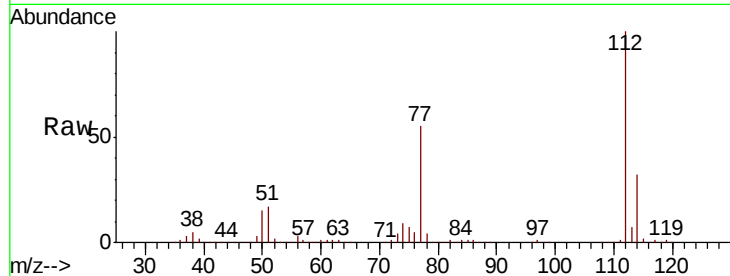
#65
Chlorobenzene
Concen: 52.57 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 408715
Ion Ratio Lower Upper
112 100
114 32.3 27.8 41.8

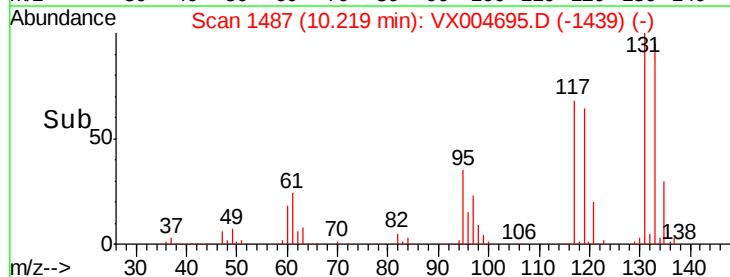
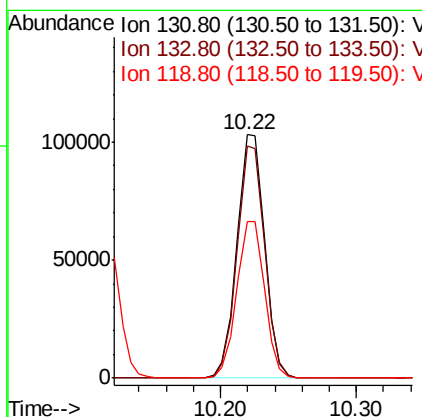
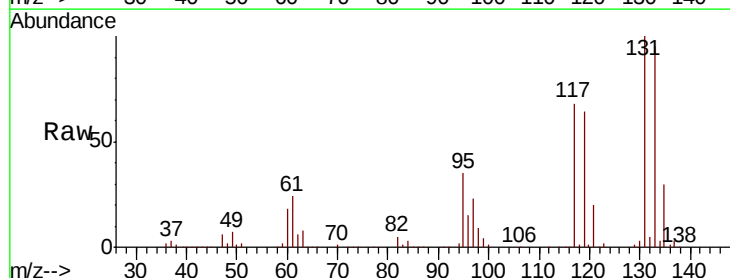
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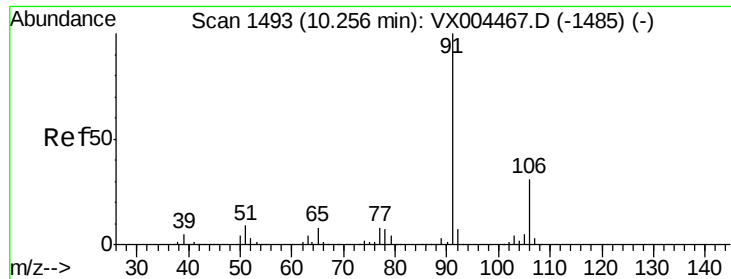
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.48 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Tgt Ion:131 Resp: 146073
Ion Ratio Lower Upper
131 100
133 95.1 48.1 144.4
119 65.0 32.9 98.6





#67

Ethyl Benzene

Concen: 54.59 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 690087

Ion Ratio Lower Upper

91 100

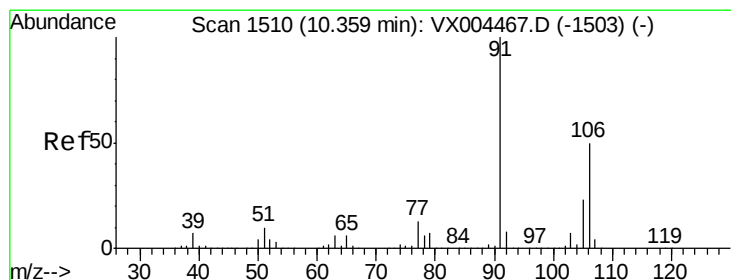
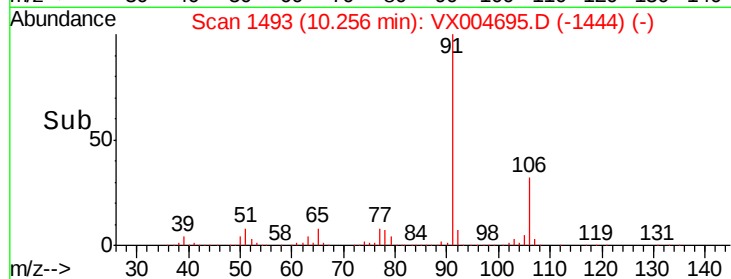
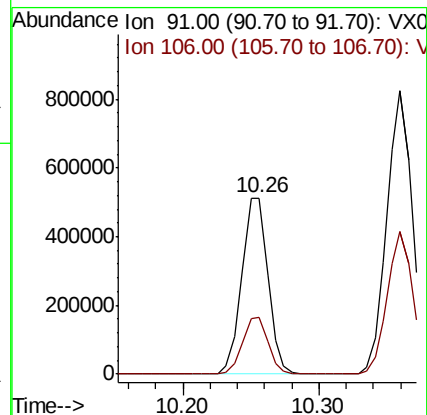
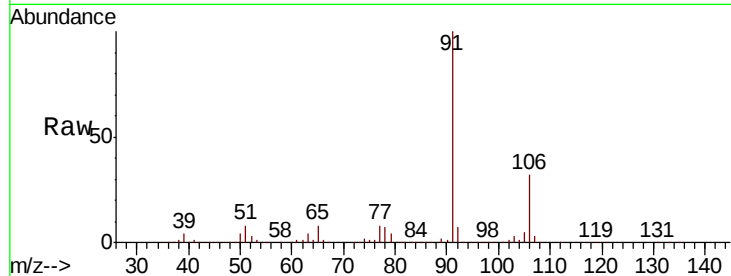
106 31.9 25.9 38.9

Manual Integrations

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MMDadoda

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#68

m/p-Xylenes

Concen: 112.26 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX004695.D

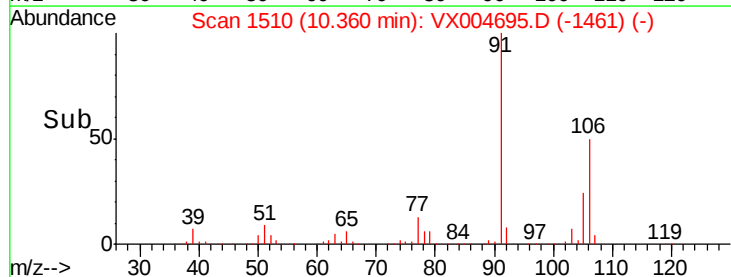
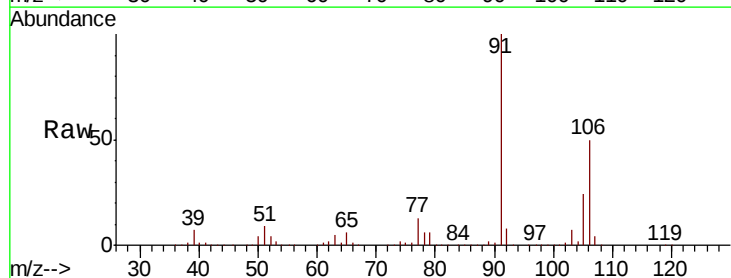
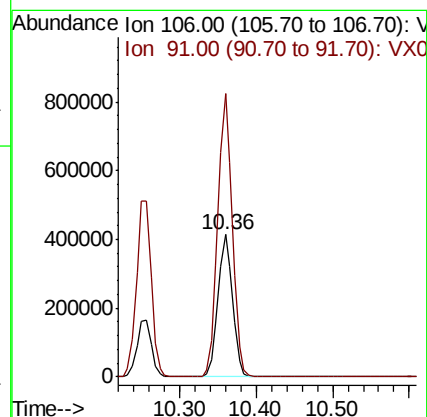
Acq: 19 Sep 2018 10:04

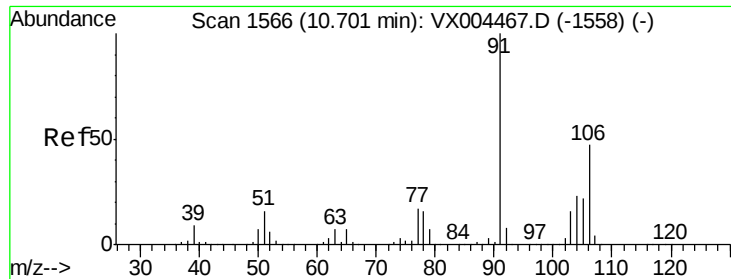
Tgt Ion: 106 Resp: 546661

Ion Ratio Lower Upper

106 100

91 198.8 157.1 235.7





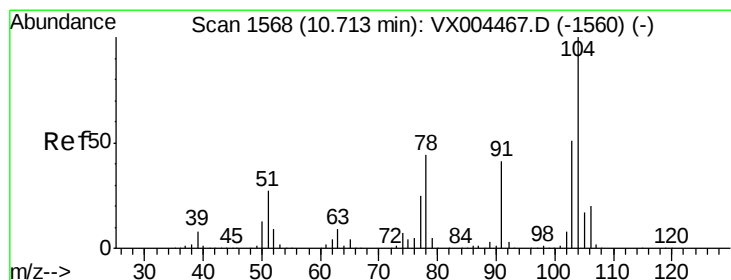
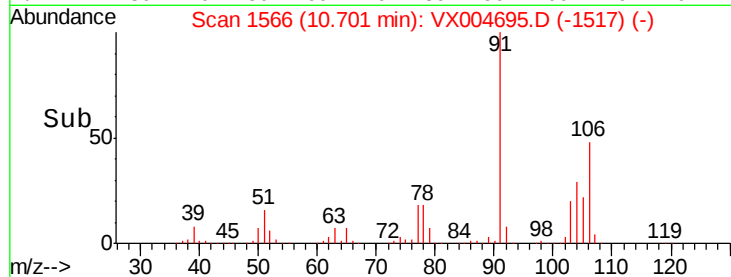
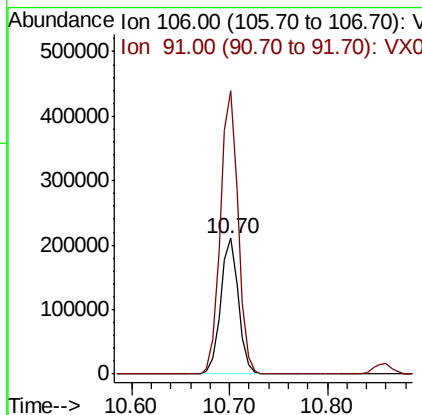
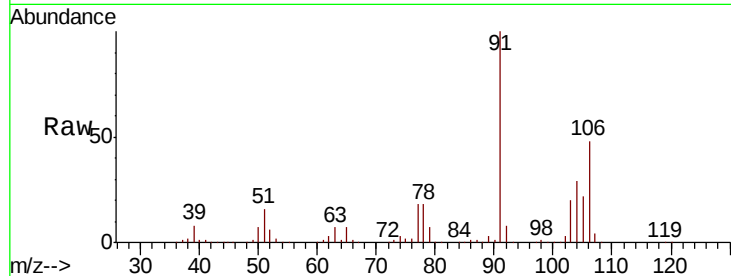
#69
o-Xylene
Concen: 56.23 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
263257	106	100		
	91	209.7	105.1	315.1

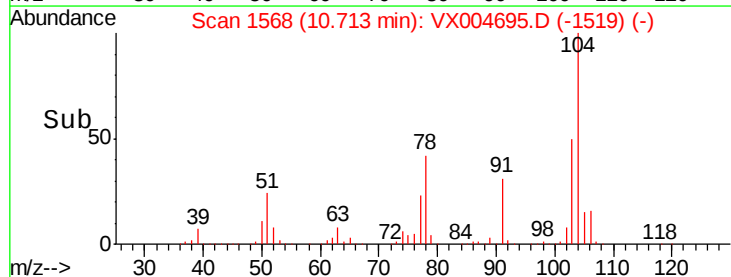
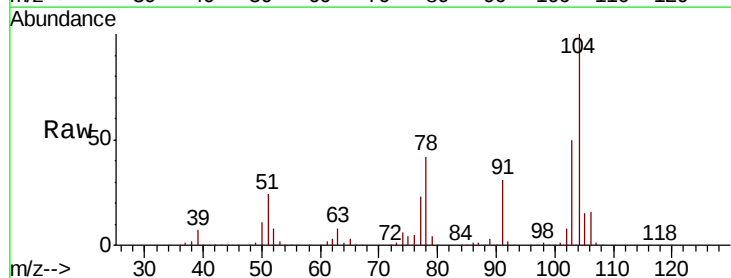
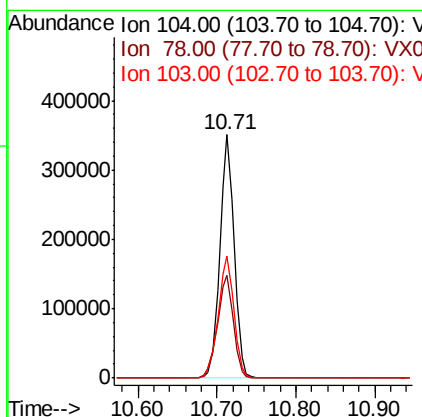
Manual Integrations
APPROVED

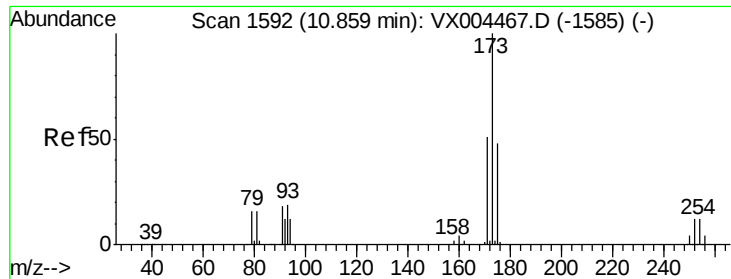
MMDadoda
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#70
Styrene
Concen: 57.21 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Tgt Ion	Ion	Ratio	Lower	Upper
443725	104	100		
	78	47.0	37.4	56.0
	103	55.2	43.8	65.6





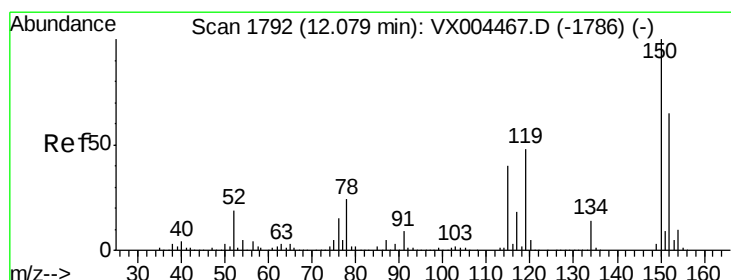
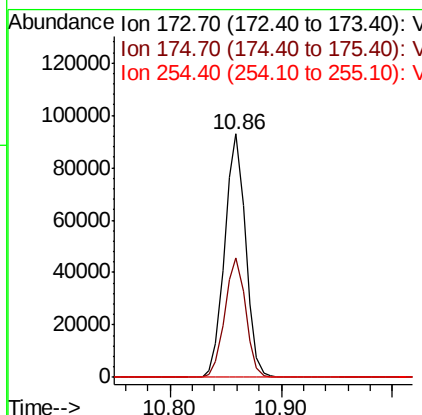
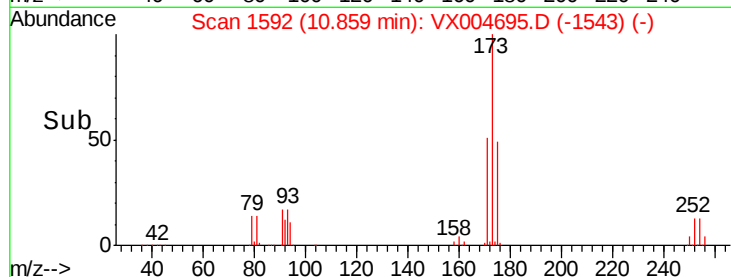
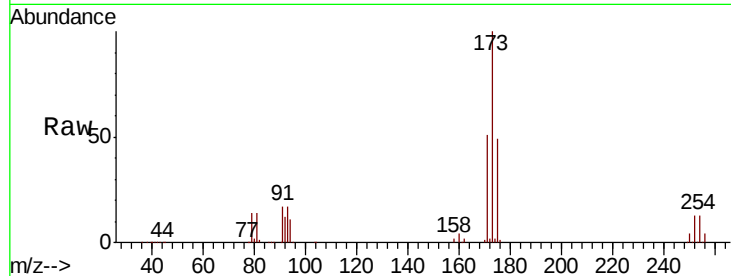
#71
Bromoform
Concen: 54.72 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.1	72.3
254	0.2	0.2	0.2

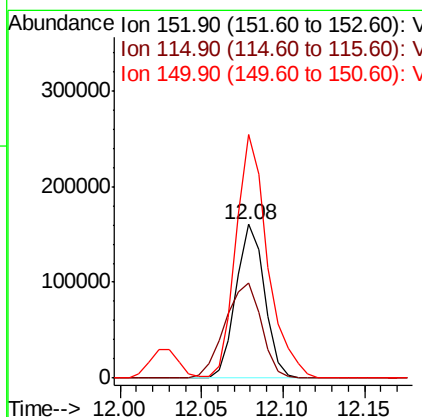
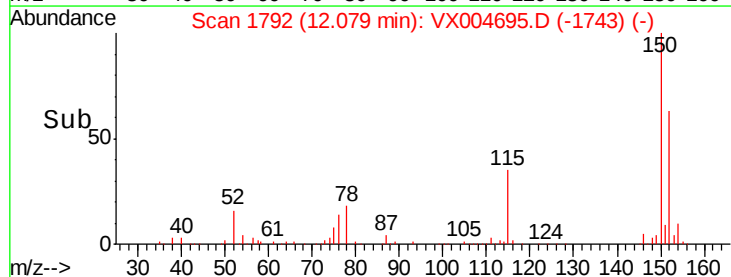
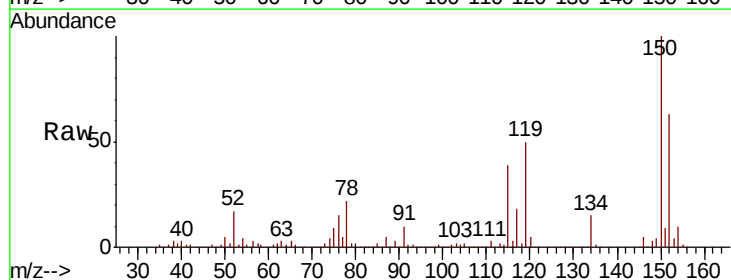
Manual Integrations
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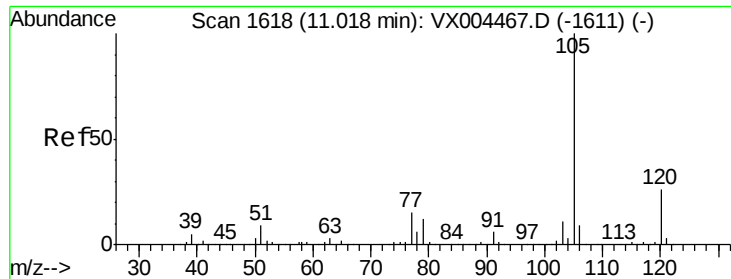
MMDadoda
9/20/2018 1:42:34 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	79.0	39.0	117.0
150	174.7	0.0	351.0





#73

Isopropylbenzene

Concen: 55.14 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 713593

Ion Ratio Lower Upper

105 100

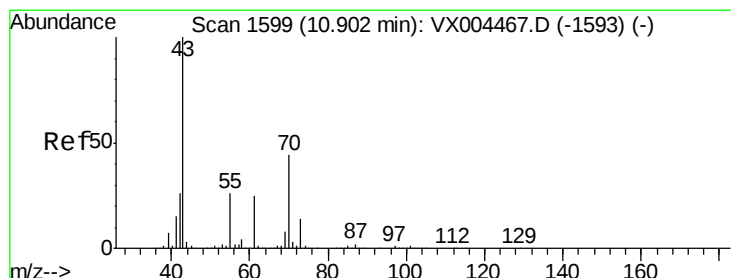
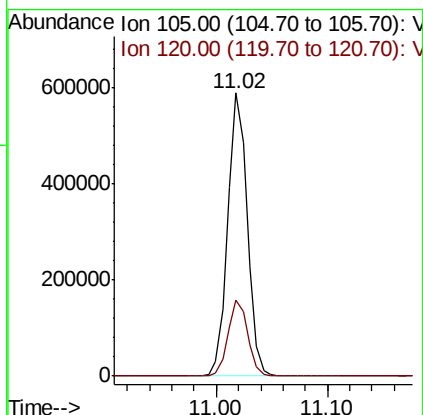
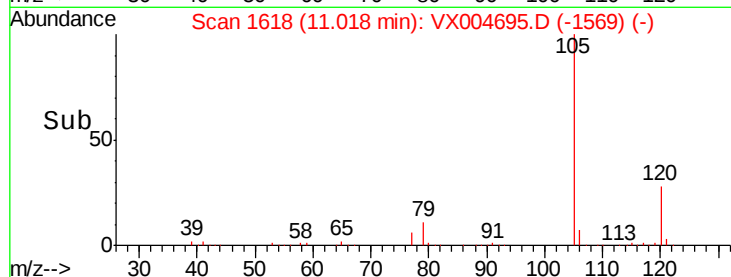
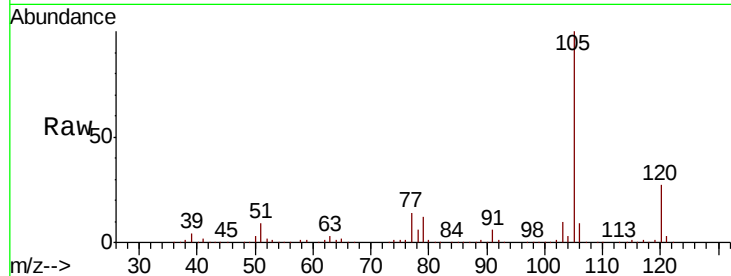
120 27.2 13.5 40.4

Manual Integrations

APPROVED

MMDadoda

9/20/2018 1:42:34 PM



#74

N-ethyl acetate

Concen: 50.87 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Tgt Ion: 43 Resp: 277093

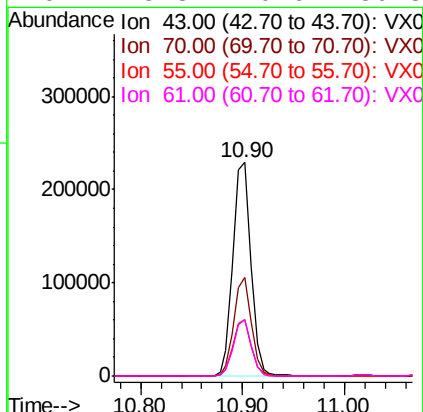
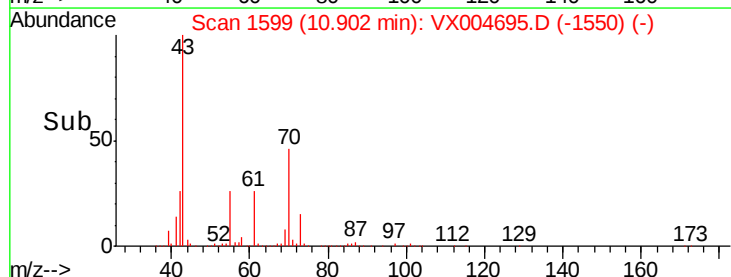
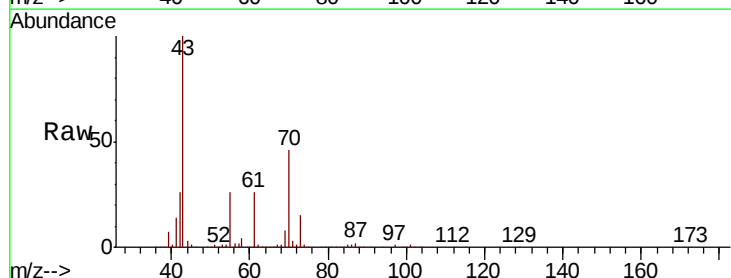
Ion Ratio Lower Upper

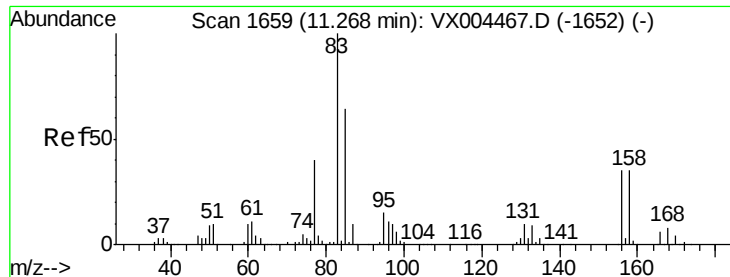
43 100

70 44.8 37.4 56.0

55 26.3 21.8 32.8

61 25.8 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 46.84 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :

MSVOA_X

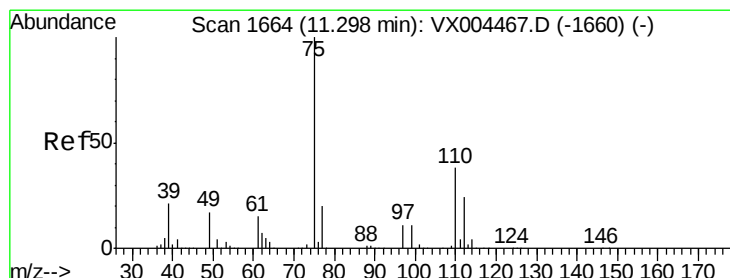
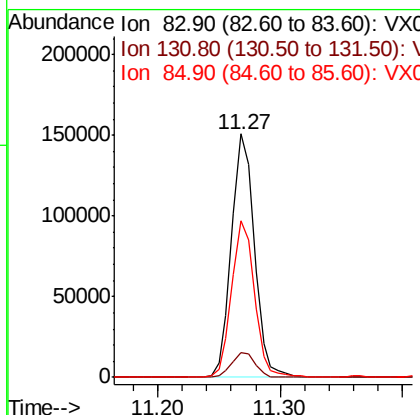
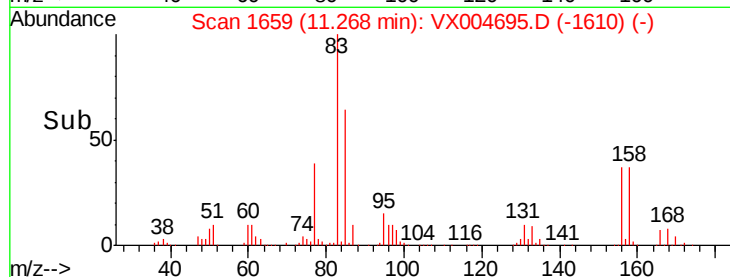
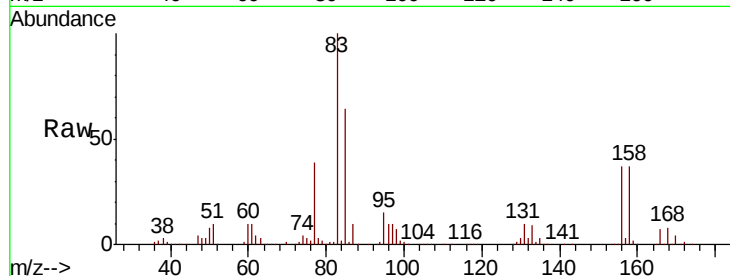
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	195522
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.2	15.6
85	64.0	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.47 ug/l m

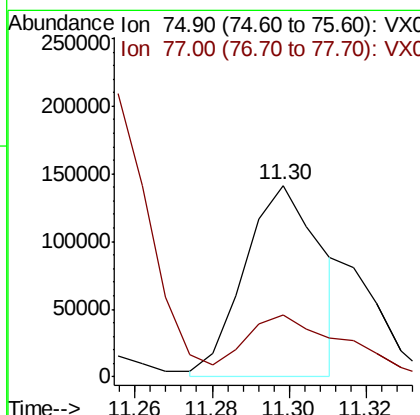
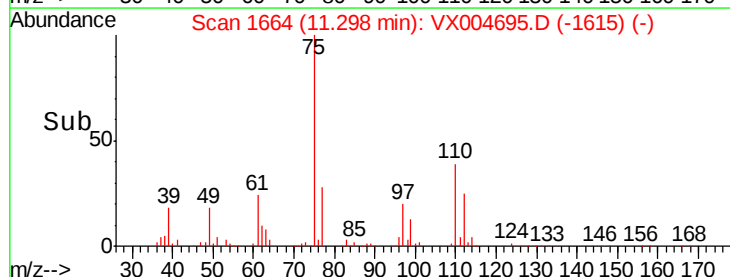
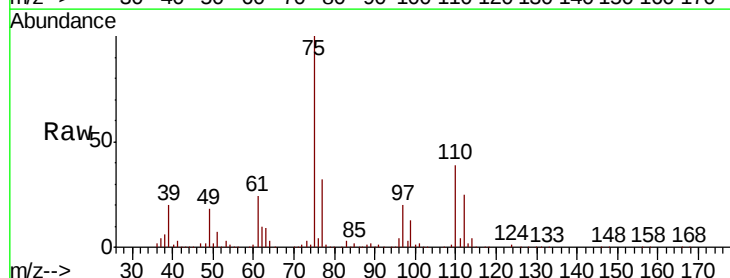
RT: 11.30 min Scan# 1664

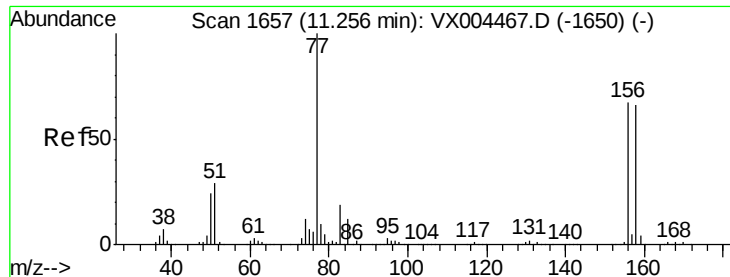
Delta R.T. 0.00 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Tgt Ion:	75	Resp:	195570
Ion Ratio	Lower	Upper	
75	100		
77	41.6	20.2	60.6





#77

Bromobenzene

Concen: 53.41 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 191045

Ion Ratio Lower Upper

156 100

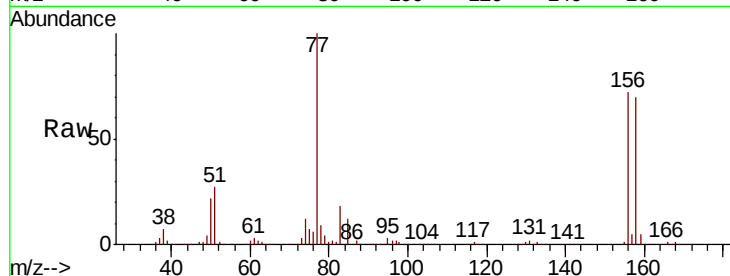
77 140.3 71.5 214.3

158 97.5 48.9 146.8

Manual Integrations
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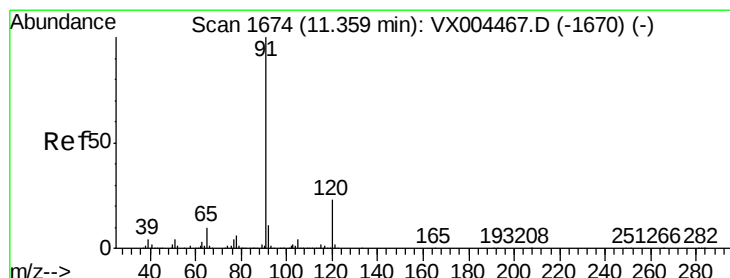
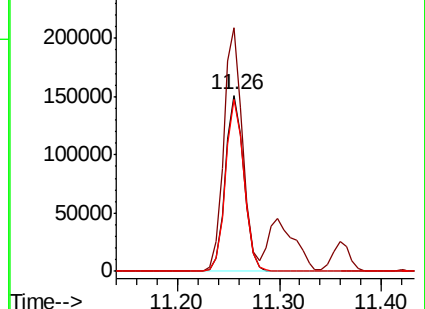
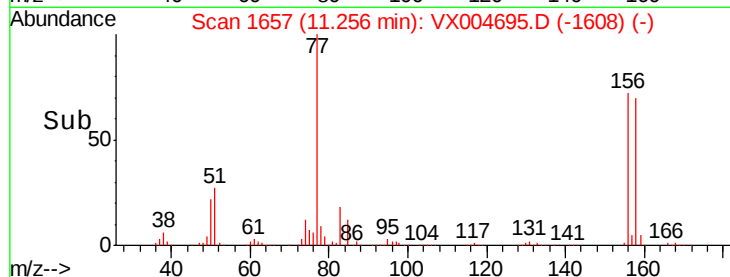
9/20/2018 1:42:34 PM



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: 55.73 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004695.D

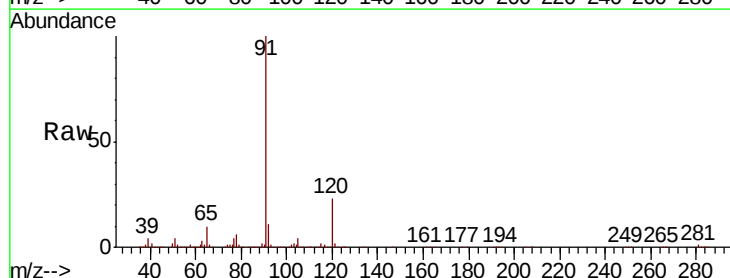
Acq: 19 Sep 2018 10:04

Tgt Ion: 91 Resp: 829226

Ion Ratio Lower Upper

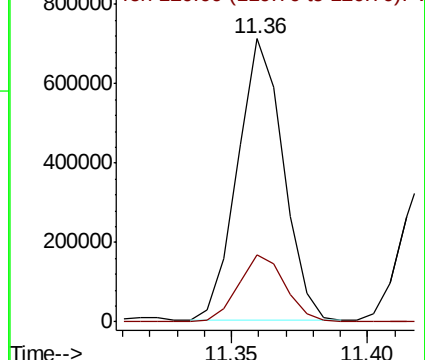
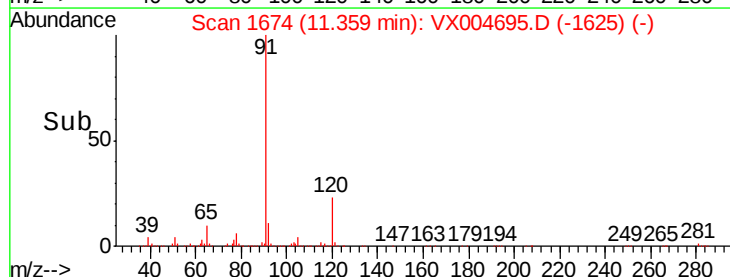
91 100

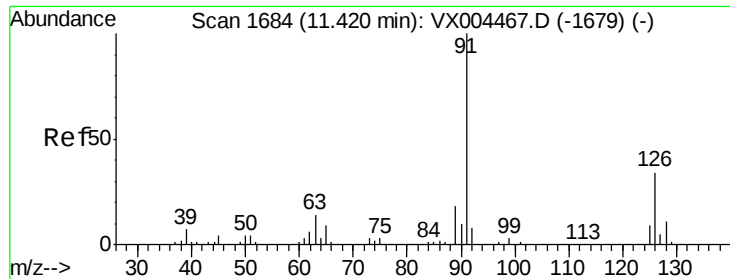
120 24.2 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.78 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 476337

Ion Ratio Lower Upper

91 100

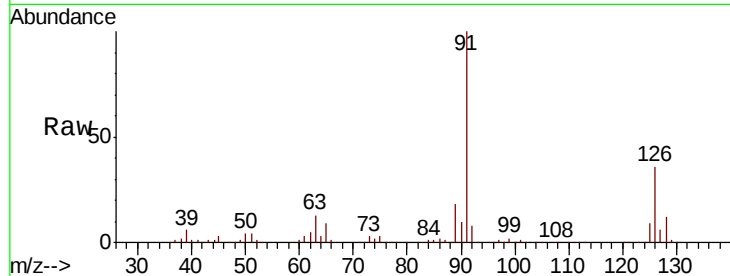
126 36.4 17.9 53.7

Manual Integrations

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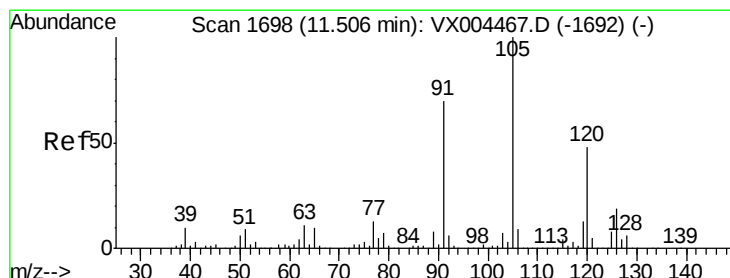
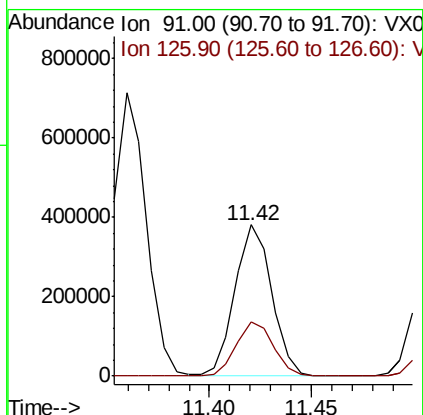
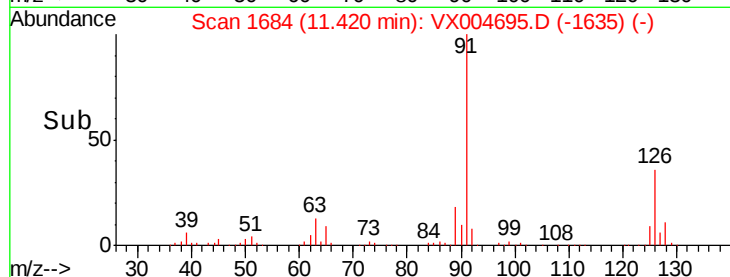
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Abundance Ion 91.00 (90.70 to 91.70): VX004467.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX004467.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 55.94 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004695.D

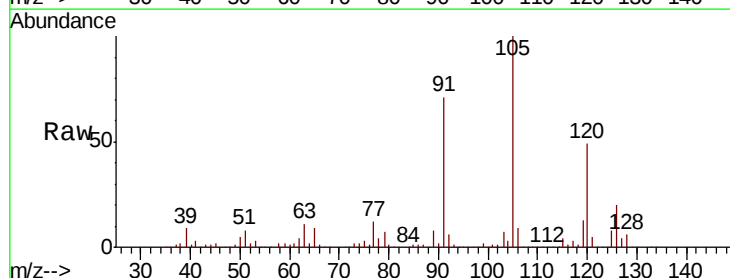
Acq: 19 Sep 2018 10:04

Tgt Ion:105 Resp: 608519

Ion Ratio Lower Upper

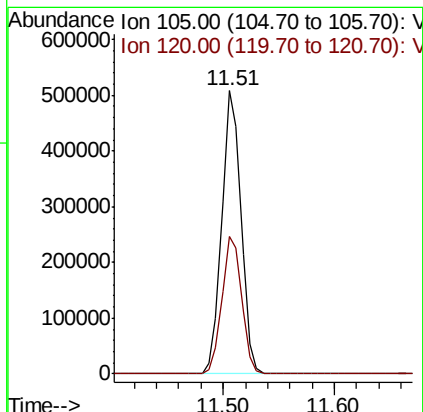
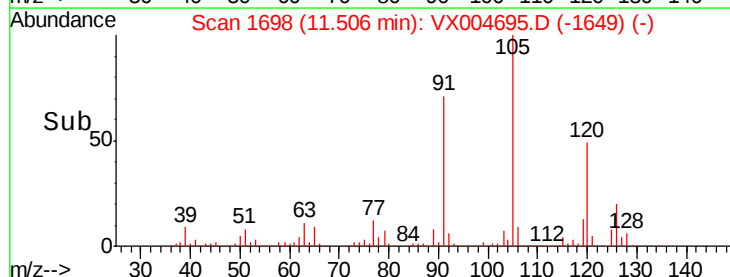
105 100

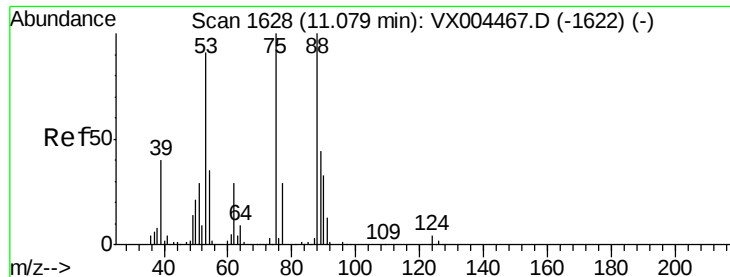
120 49.6 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX004467.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX004467.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 56.06 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :

MSVOA_X

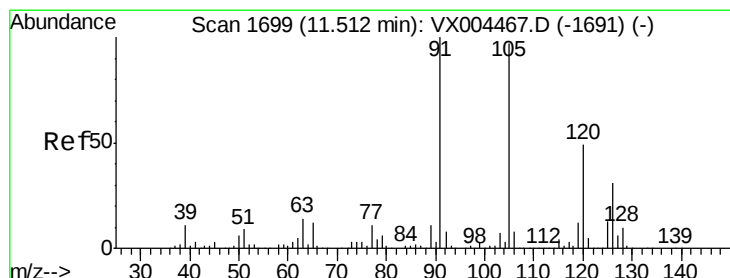
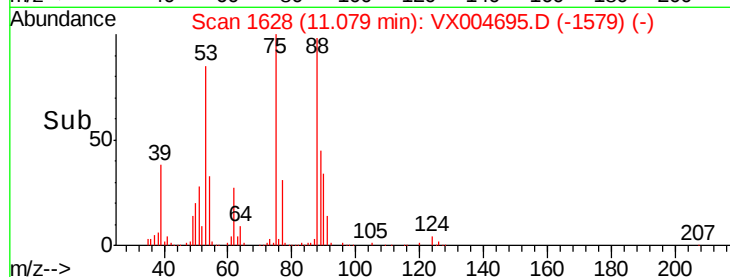
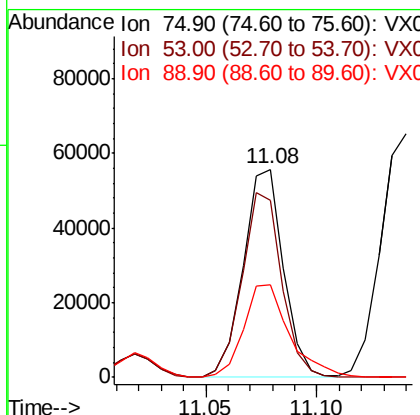
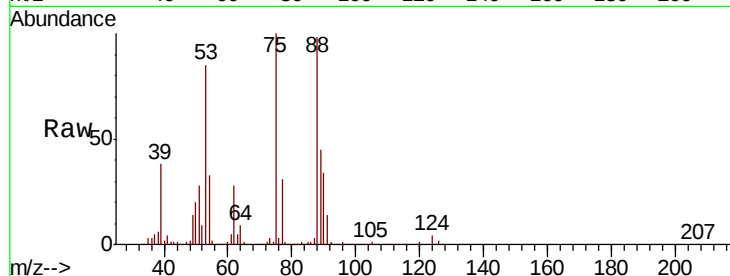
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	69524
Ion	Ratio	Lower	Upper
75	100		
53	89.5	80.1	120.1
89	51.4	37.2	55.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 53.31 ug/l

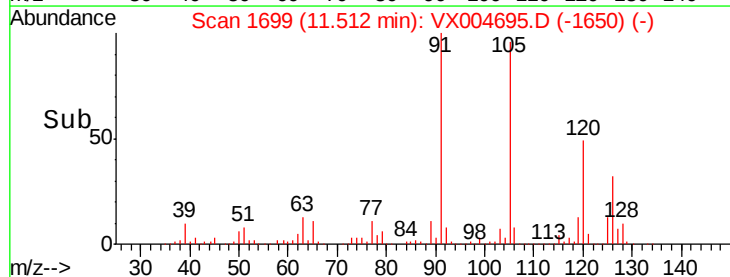
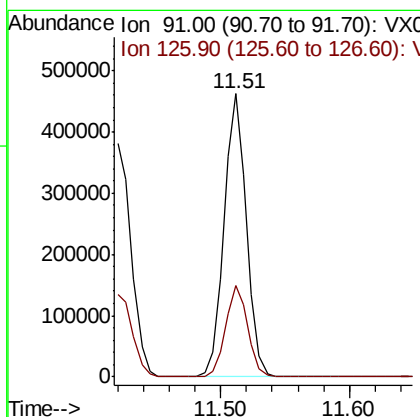
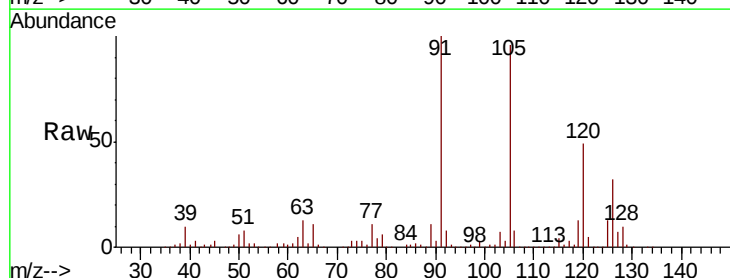
RT: 11.51 min Scan# 1699

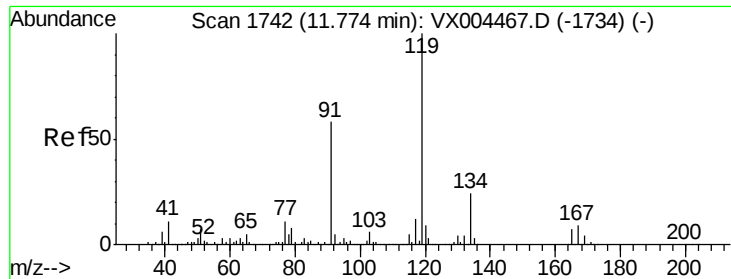
Delta R.T. 0.00 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Tgt Ion:	91	Resp:	561495
Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.5	46.5





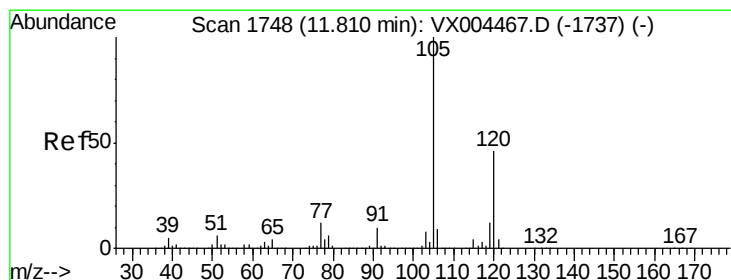
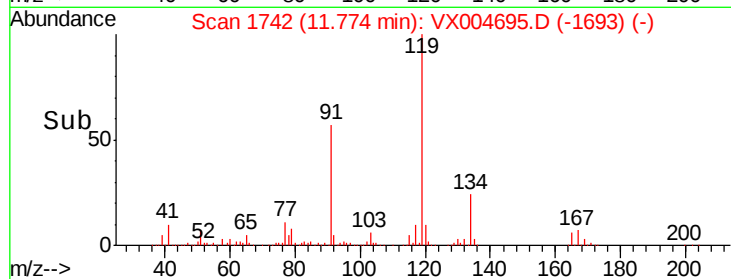
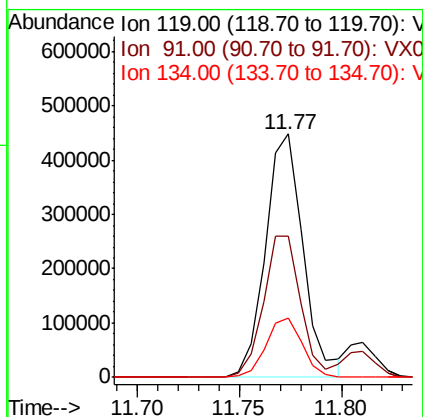
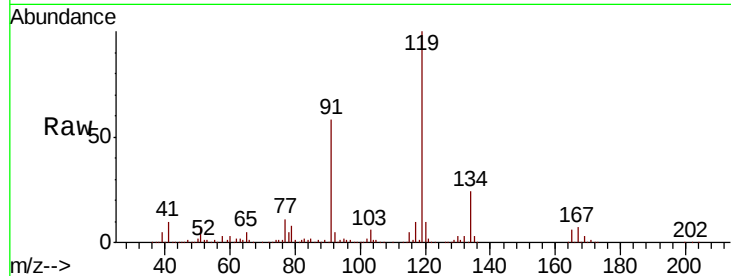
#83
tert-Butylbenzene
Concen: 55.67 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	576580		
91	57.3	27.0	81.0	
134	23.5	11.7	35.1	

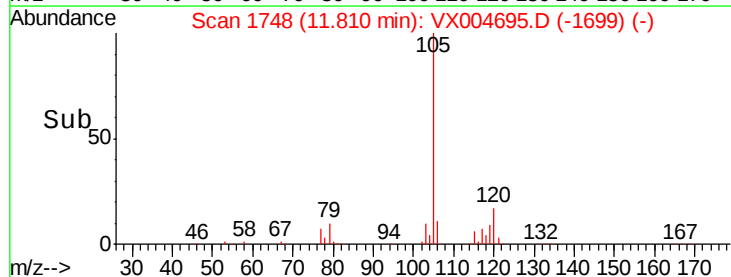
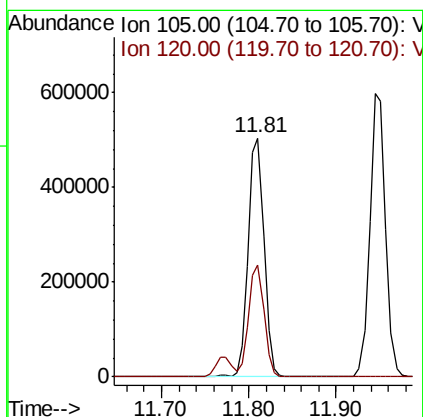
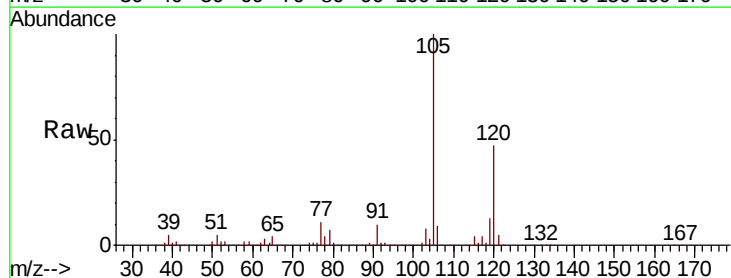
Manual Integrations
APPROVED

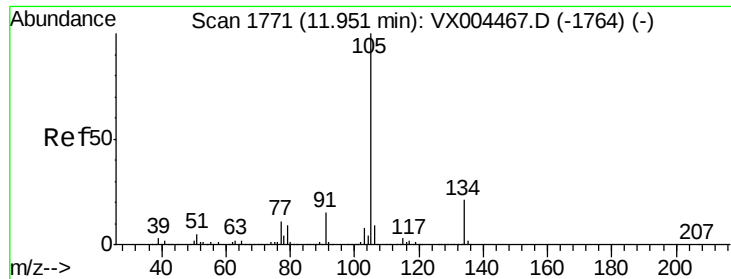
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 56.47 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	627209		
120	45.9	23.2	69.6	





#85

sec-Butylbenzene

Concen: 56.87 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 750534

Ion Ratio Lower Upper

105 100

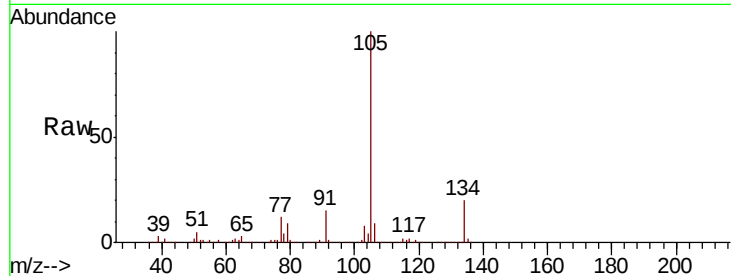
134 20.9 10.5 31.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

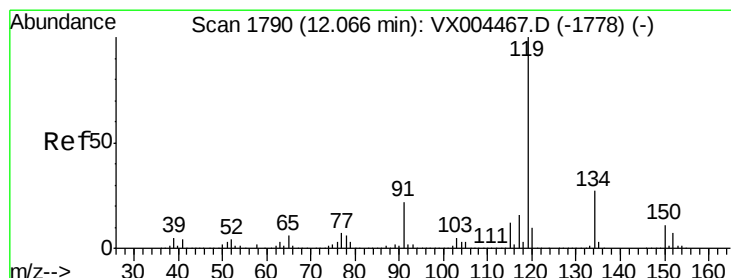
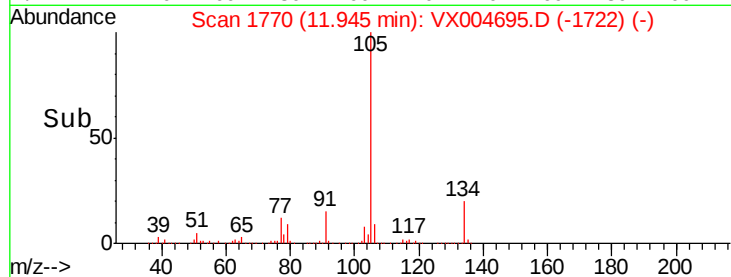
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 58.09 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

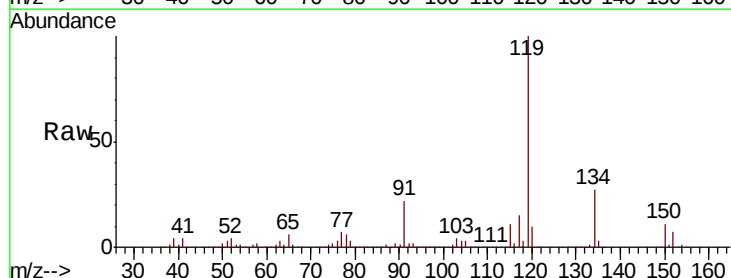
Tgt Ion:119 Resp: 676981

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

91 22.0 10.9 32.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.07

800000

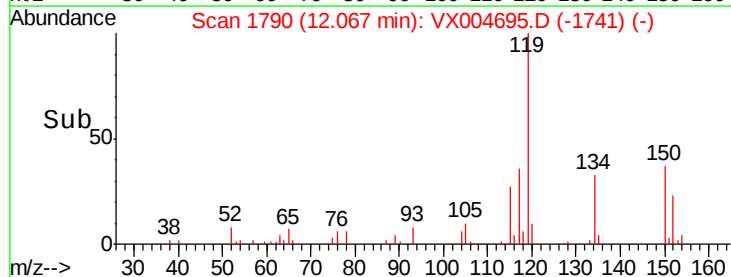
600000

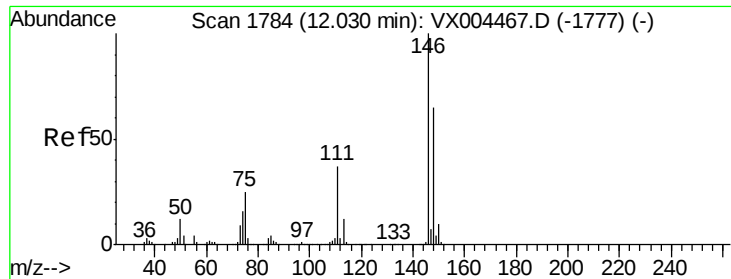
400000

200000

0

Time-->





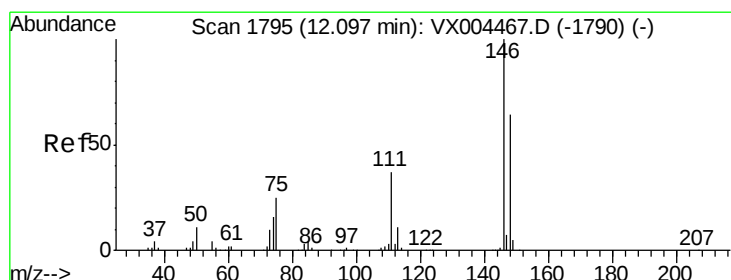
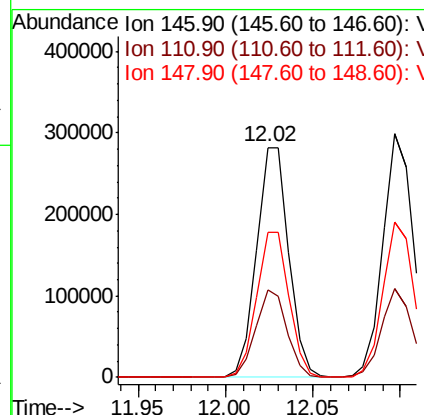
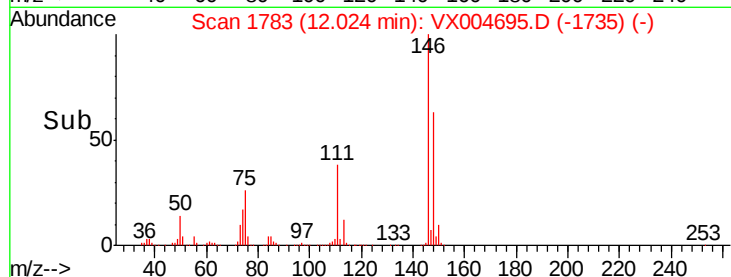
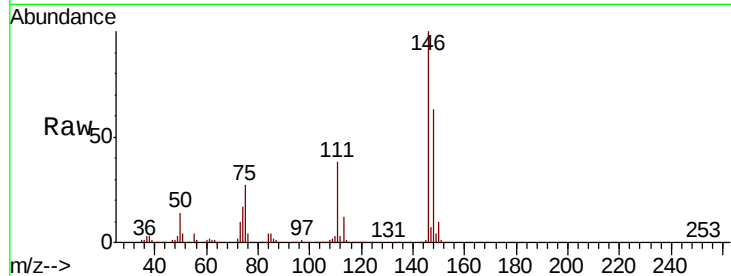
#87
 1,3-Dichlorobenzene
 Concen: 54.21 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX004695.D
 Acq: 19 Sep 2018 10:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.7	56.1
148	63.6	32.1	96.5

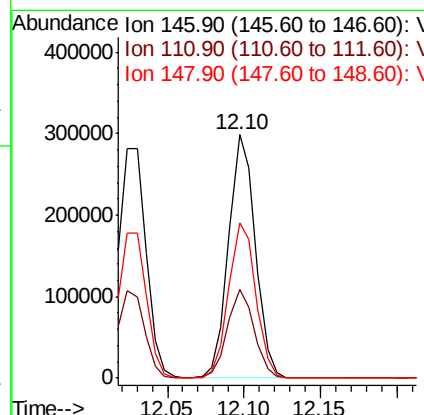
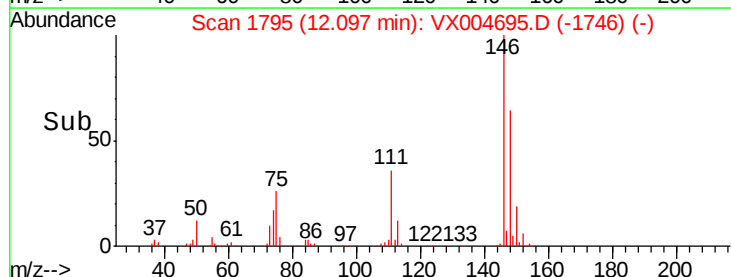
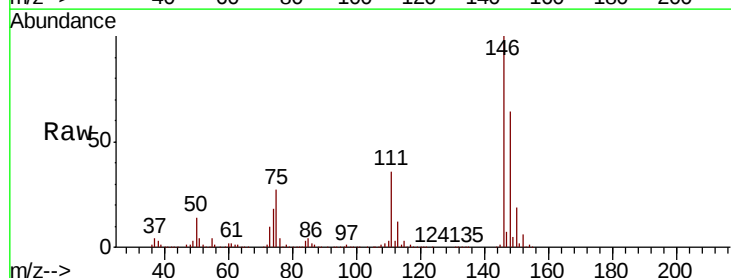
Manual Integrations
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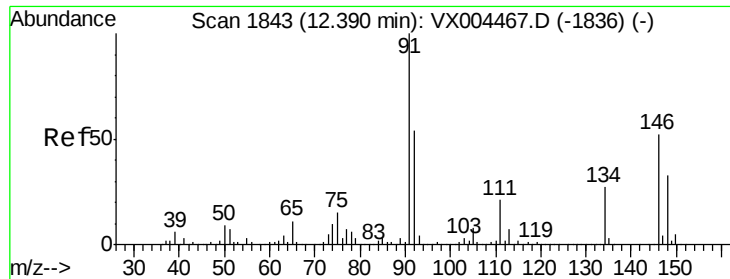
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#88
 1,4-Dichlorobenzene
 Concen: 52.46 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX004695.D
 Acq: 19 Sep 2018 10:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.1	54.1
148	65.1	32.0	96.0





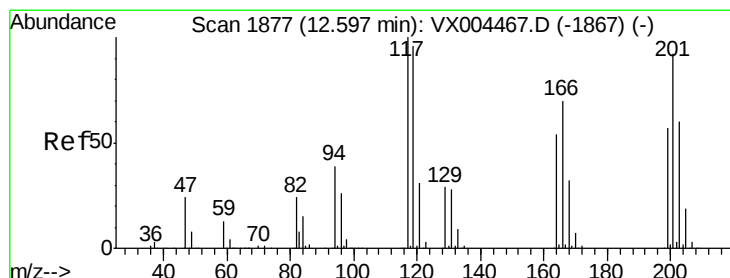
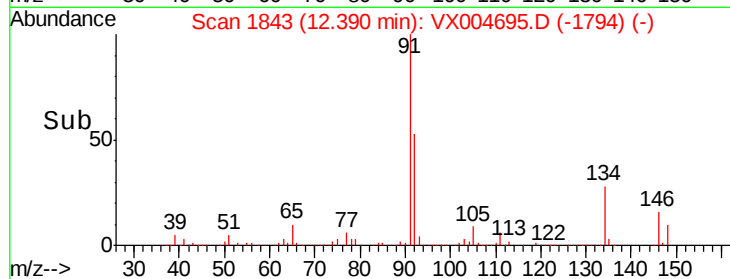
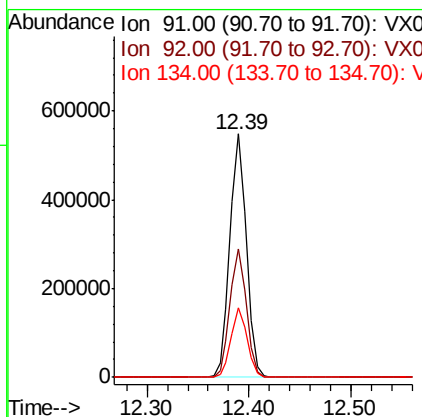
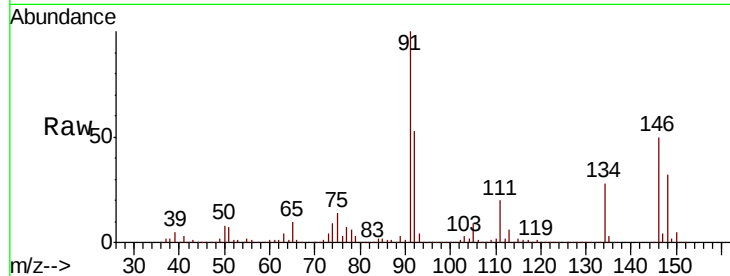
#89
n-Butylbenzene
Concen: 57.38 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	27.3	81.9
134	27.9	13.6	40.7

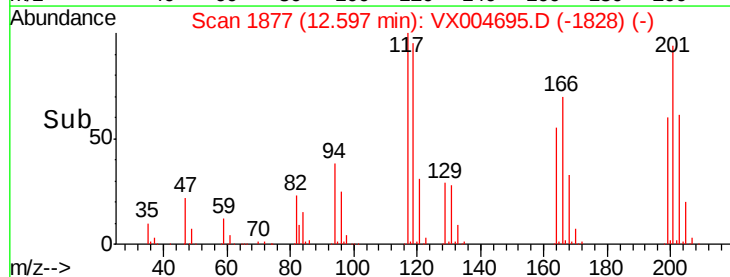
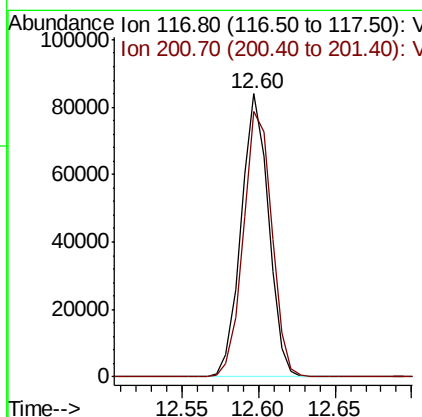
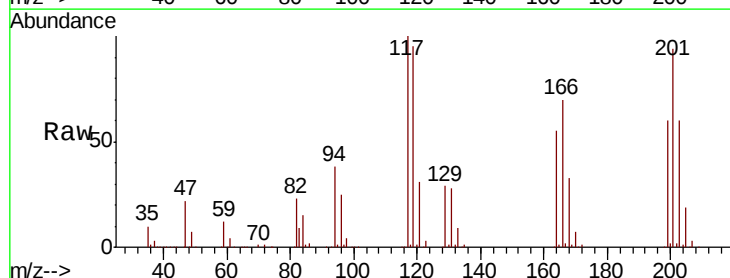
Manual Integrations
APPROVED

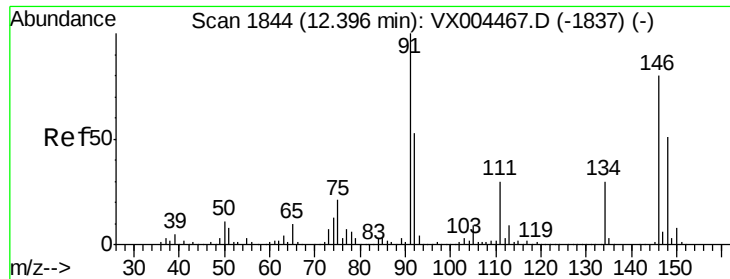
MMDadoda
9/20/2018 1:42:34 PM



#90
Hexachloroethane
Concen: 55.89 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.4	46.9	140.6





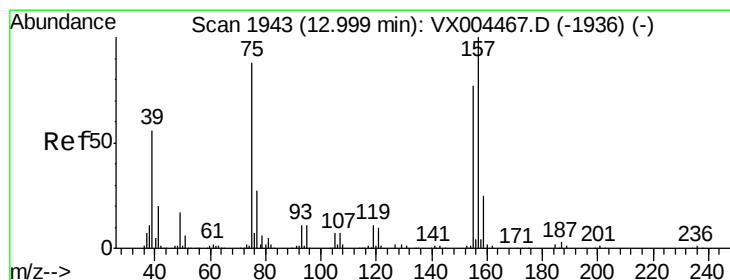
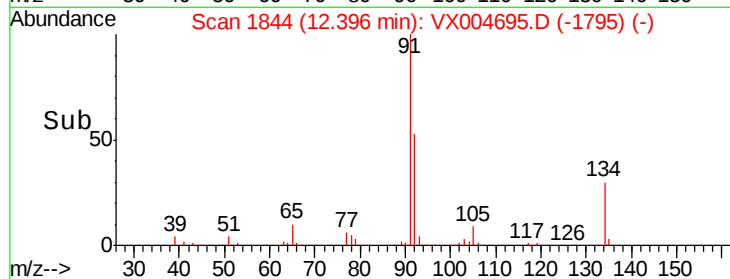
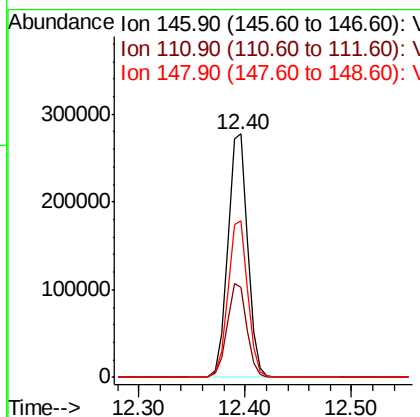
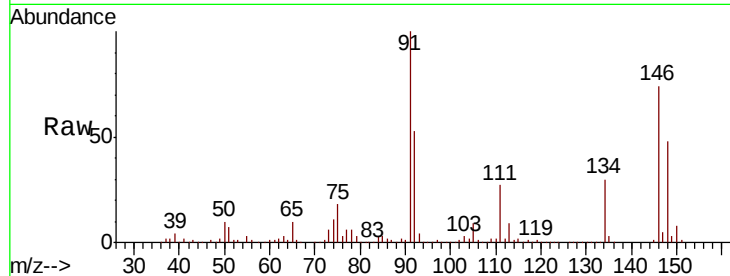
#91
 1,2-Dichlorobenzene
 Concen: 53.46 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: VX004695.D
 Acq: 19 Sep 2018 10:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	361100		
111	38.3	19.4	58.1	
148	64.1	32.8	98.3	

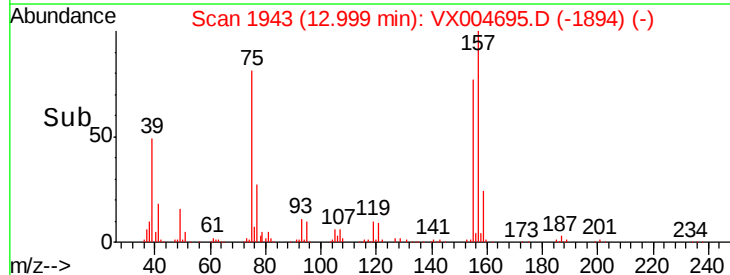
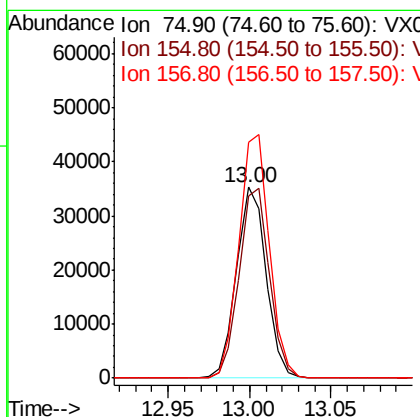
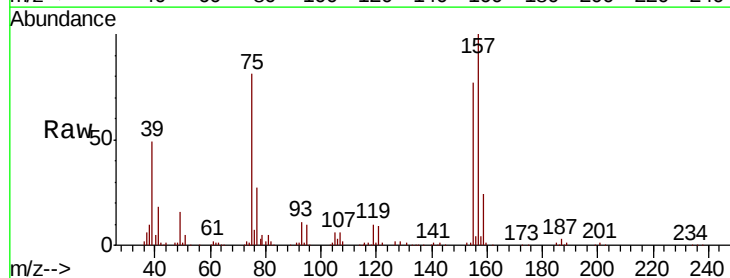
Manual Integrations
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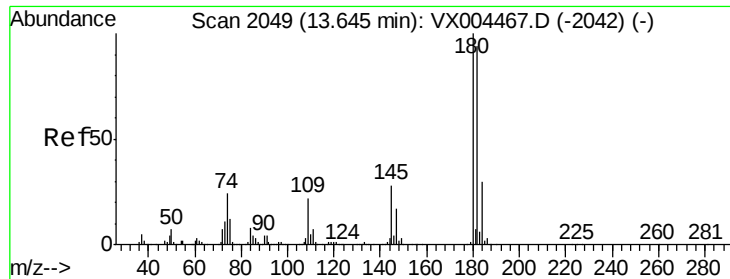
MMDadoda
 9/20/2018 1:42:34 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.21 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX004695.D
 Acq: 19 Sep 2018 10:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	44751		
155	101.6	48.0	144.2	
157	131.2	61.4	184.1	





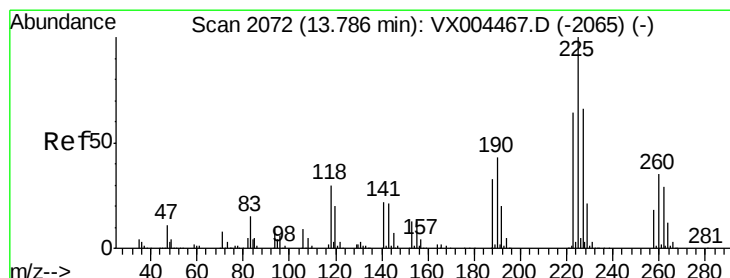
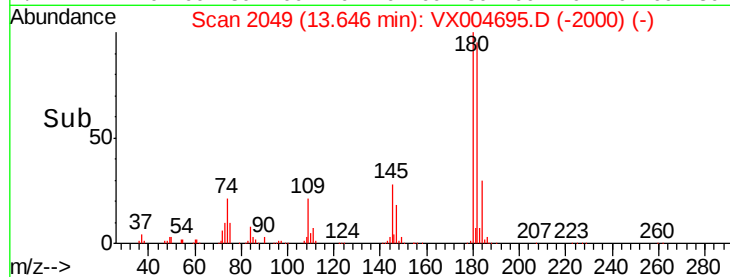
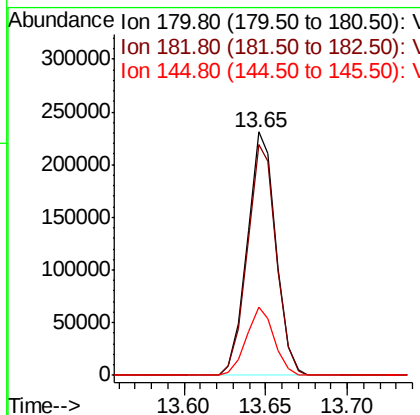
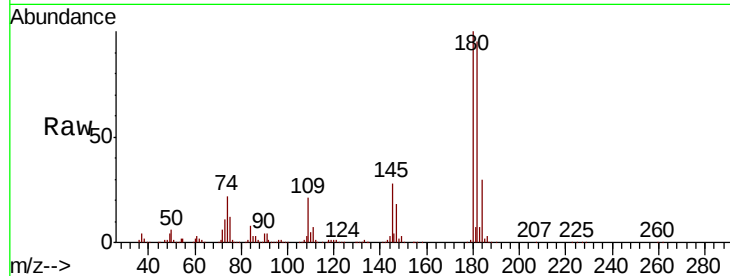
#93
 1,2,4-Trichlorobenzene
 Concen: 59.12 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004695.D
 Acq: 19 Sep 2018 10:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	282777		
182	95.5	48.4	145.0	
145	27.2	14.3	42.9	

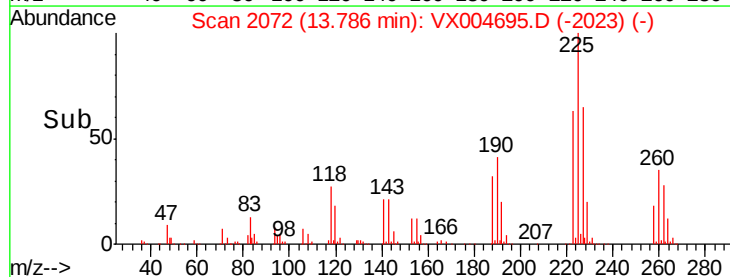
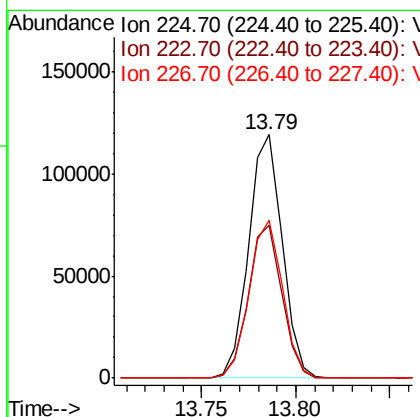
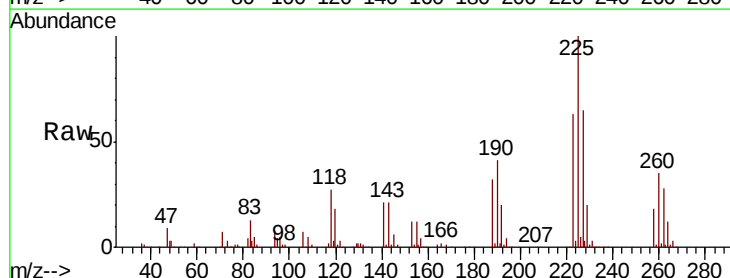
Manual Integrations
 APPROVED

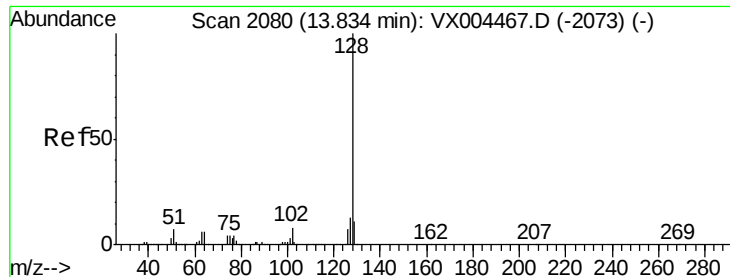
MMDadoda
 9/20/2018 1:42:34 PM



#94
 Hexachlorobutadiene
 Concen: 59.08 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004695.D
 Acq: 19 Sep 2018 10:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	147594		
223	62.4	30.1	90.5	
227	64.4	30.8	92.4	





#95

Naphthalene

Concen: 57.27 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :

MSVOA_X

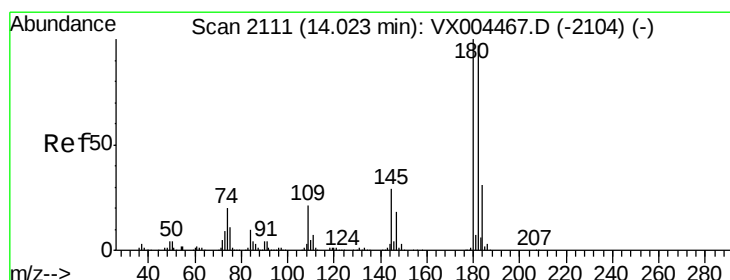
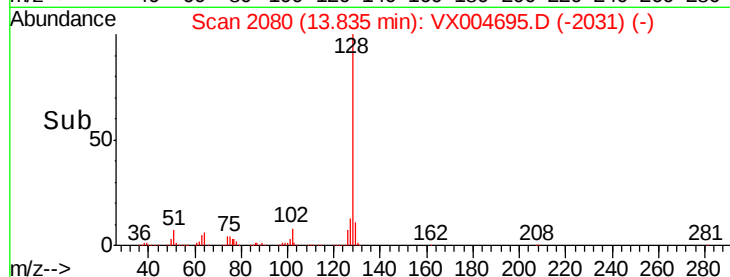
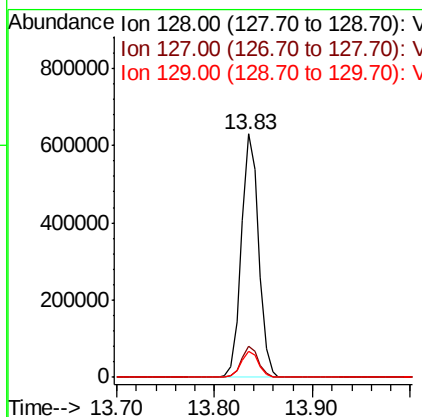
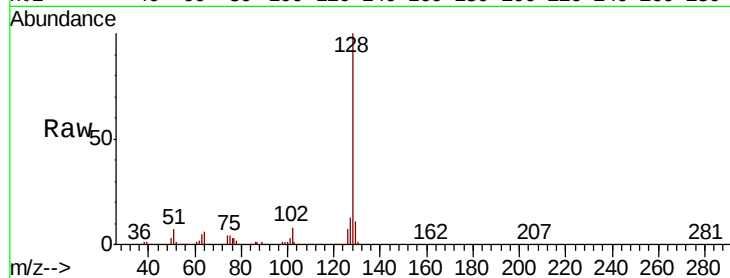
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	768287
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 57.21 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Tgt Ion:	180	Resp:	281116
Ion Ratio	Lower	Upper	
180	100		
182	95.4	48.5	145.6
145	29.0	14.9	44.9

