

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092618\
 Data File : VX004727.D
 Acq On : 26 Sep 2018 14:16
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX092618

Manual Integrations
 APPROVED

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 10/1/2018 1:31:00 PM

Quant Time: Sep 27 01:17:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	306506	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	394137	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	363426	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	223846	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	188466	43.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.08%	
35) Dibromofluoromethane	5.50	113	166608	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
50) Toluene-d8	8.71	98	557533	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
62) 4-Bromofluorobenzene	11.14	95	208629	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	221684	53.046	ug/l	99
3) Chloromethane	1.32	50	259009	51.084	ug/l	99
4) Vinyl Chloride	1.40	62	239614	50.387	ug/l	97
5) Bromomethane	1.64	94	150020	53.200	ug/l	97
6) Chloroethane	1.71	64	141015	54.628	ug/l	98
7) Trichlorofluoromethane	1.92	101	314007	53.337	ug/l	97
8) Diethyl Ether	2.19	74	122820	48.022	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	174826	52.132	ug/l	97
10) Methyl Iodide	2.51	142	219572	48.930	ug/l	99
11) Tert butyl alcohol	3.08	59	298160	243.544	ug/l	99
12) 1,1-Dichloroethene	2.37	96	168416	50.711	ug/l	97
13) Acrolein	2.29	56	212619	244.095	ug/l	98
14) Allyl chloride	2.73	41	379739	52.404	ug/l	93
15) Acrylonitrile	3.15	53	629028	233.401	ug/l	95
16) Acetone	2.45	43	663990	259.755	ug/l	91
17) Carbon Disulfide	2.56	76	502528	50.356	ug/l	100
18) Methyl Acetate	2.78	43	300049	46.329	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	592292	51.703	ug/l	93
20) Methylene Chloride	2.85	84	179966	48.395	ug/l	93
21) trans-1,2-Dichloroethene	3.16	96	170291	46.841	ug/l	88
22) Diisopropyl ether	3.87	45	641986	52.612	ug/l	96
23) Vinyl Acetate	3.82	43	2906455	260.216	ug/l	97
24) 1,1-Dichloroethane	3.69	63	334308	45.929	ug/l	99
25) 2-Butanone	4.70	43	990160	262.785	ug/l #	88
26) 2,2-Dichloropropane	4.58	77	277195	54.688	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	205506	50.600	ug/l	99
28) Bromochloromethane	5.01	49	164534	48.002	ug/l	90
29) Tetrahydrofuran	5.15	42	595191	254.148	ug/l	92
30) Chloroform	5.21	83	315385	45.847	ug/l	97
31) Cyclohexane	5.57	56	302783	54.350	ug/l	86
32) 1,1,1-Trichloroethane	5.49	97	270473	48.144	ug/l	100
36) 1,1-Dichloropropene	5.79	75	246609	54.111	ug/l	99
37) Ethyl Acetate	4.87	43	326125	53.908	ug/l	98
38) Carbon Tetrachloride	5.78	117	237565	49.588	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	280046	60.177	ug/l #	84
40) Benzene	6.14	78	754845	52.904	ug/l	97
41) Methacrylonitrile	5.06	41	180791	53.887	ug/l	96
42) 1,2-Dichloroethane	6.20	62	255608	50.676	ug/l	97
43) Isopropyl Acetate	6.46	43	458566	52.517	ug/l	98
44) Trichloroethene	7.21	130	177551	50.620	ug/l	92
45) 1,2-Dichloropropane	7.52	63	179312	51.247	ug/l	98
46) Dibromomethane	7.66	93	113329	51.537	ug/l	99
47) Bromodichloromethane	7.90	83	216632	52.618	ug/l	100
48) Methyl methacrylate	7.78	41	226631	57.184	ug/l	95
49) 1,4-Dioxane	7.76	88	106468	1081.318	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	1523520	277.110	ug/l	96
52) Toluene	8.79	92	414999	52.933	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	251702	54.101	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	272299	55.878	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	170783	49.730	ug/l	97
56) Ethyl methacrylate	9.18	69	272184	48.908	ug/l	94
57) 1,3-Dichloropropane	9.37	76	290208	50.774	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	761232	256.841	ug/l	95
59) 2-Hexanone	9.50	43	1225954	267.588	ug/l	94
60) Dibromochloromethane	9.59	129	177369	51.644	ug/l	100
61) 1,2-Dibromoethane	9.68	107	177398	48.234	ug/l	99
64) Tetrachloroethene	9.34	164	172874	48.331	ug/l	97
65) Chlorobenzene	10.14	112	465053	49.902	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	165567	50.535	ug/l	99
67) Ethyl Benzene	10.26	91	793533	53.633	ug/l	97
68) m/p-Xylenes	10.36	106	626451	108.351	ug/l	95
69) o-Xylene	10.70	106	298519	56.214	ug/l	97
70) Styrene	10.71	104	505796	50.886	ug/l	97
71) Bromoform	10.86	173	144095	51.373	ug/l	100
73) Isopropylbenzene	11.02	105	793472	56.237	ug/l	100
74) N-amyl acetate	10.90	43	391119	50.419	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	280478	48.835	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	256309m	51.086	ug/l	
77) Bromobenzene	11.26	156	212891	51.948	ug/l	98
78) n-propylbenzene	11.36	91	928111	57.331	ug/l	100
79) 2-Chlorotoluene	11.42	91	554405	54.942	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	690112	53.379	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.08	75	86463	47.121	ug/l	98
82) 4-Chlorotoluene	11.51	91	664380	55.937	ug/l	99
83) tert-Butylbenzene	11.77	119	664895	57.236	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	711624	53.374	ug/l	98
85) sec-Butylbenzene	11.94	105	812118	57.396	ug/l	98
86) p-Isopropyltoluene	12.07	119	737210	57.507	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	399470	52.202	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	408703	51.737	ug/l	99
89) n-Butylbenzene	12.39	91	678112	58.244	ug/l	98
90) Hexachloroethane	12.60	117	111602	52.287	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	400041	50.023	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	63310	50.203	ug/l	96

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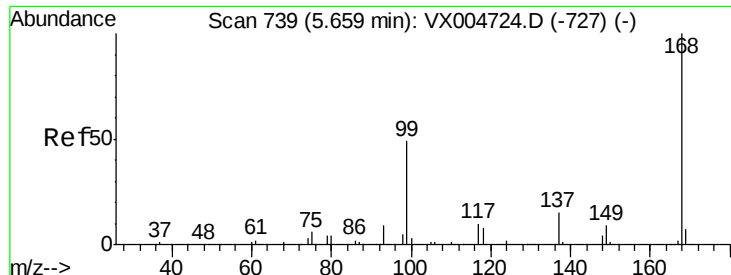
Manual Integrations
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10/1/2018 1:31:00 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
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QLast Update : Wed Sep 26 14:17:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	311506	55.528	ug/l	99
94) Hexachlorobutadiene	13.79	225	152114	52.290	ug/l	96
95) Naphthalene	13.83	128	968467	51.985	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	313631	54.120	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004727.D

Acq: 26 Sep 2018 14:16

Instrument :

MSVOA_X

ClientSampleId :

ICVVX092618

Tot Ion:168 Resp: 306506

Ion Ratio Lower Upper

168 100

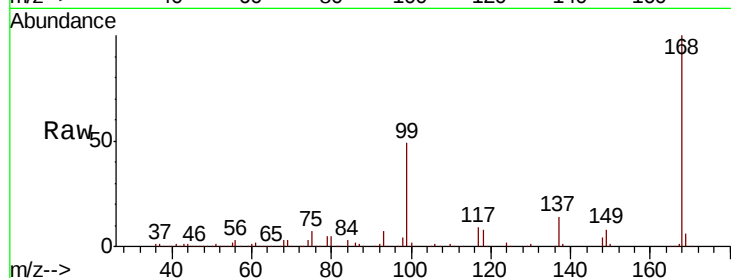
99 49.0 39.9 59.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

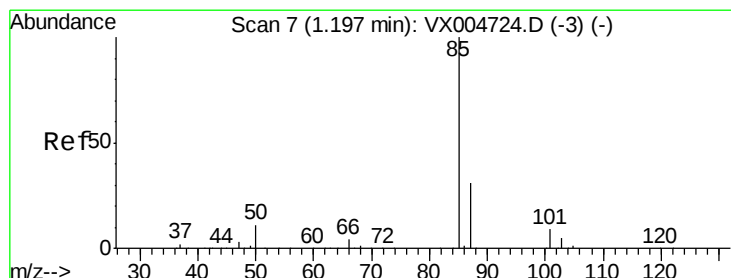
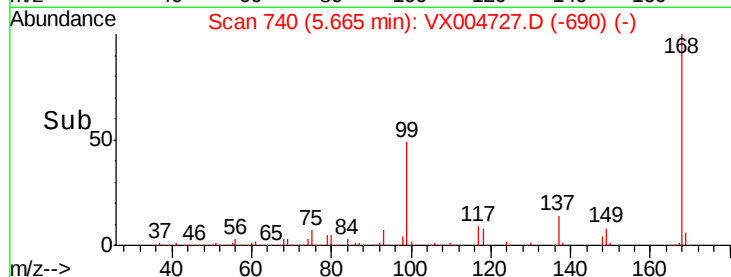
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 53.046 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX004727.D

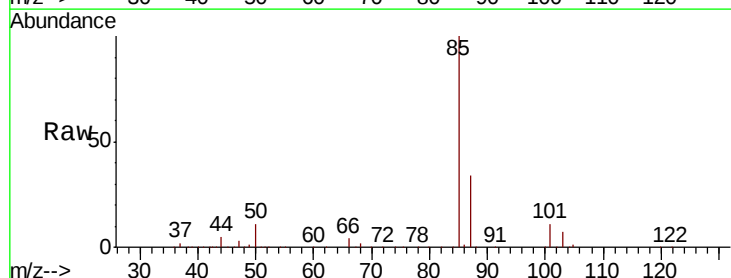
Acq: 26 Sep 2018 14:16

Tgt Ion: 85 Resp: 221684

Ion Ratio Lower Upper

85 100

87 34.2 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

200000

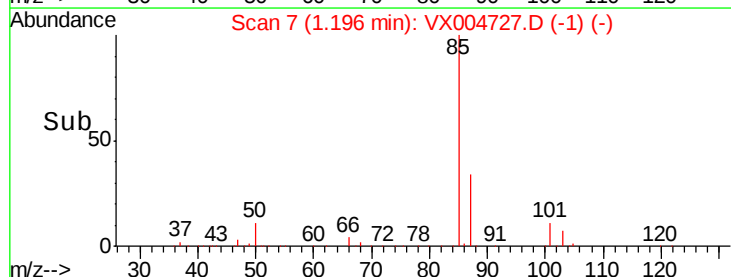
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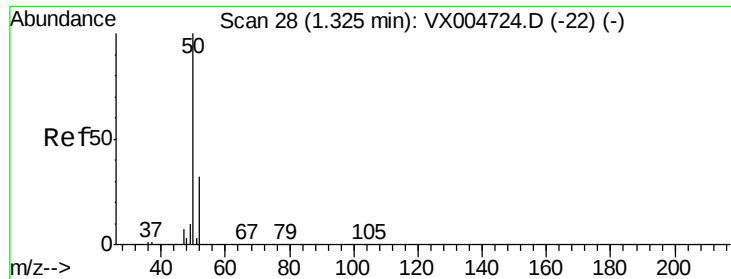
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50000

0

Time-->





#3

Chloromethane

Concen: 51.084 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX004727.D

Acq: 26 Sep 2018 14:16

Instrument :

MSVOA_X

ClientSampleId :

ICVVX092618

Tot Ion: 50 Resp: 259009

Ion Ratio Lower Upper

50 100

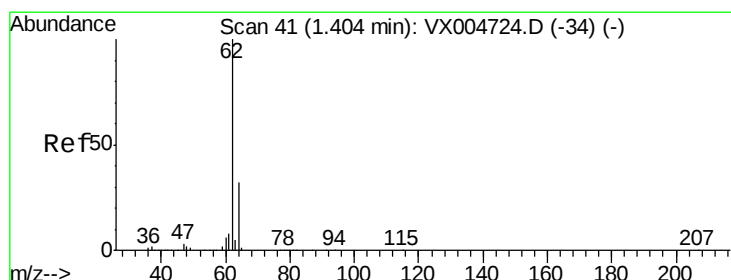
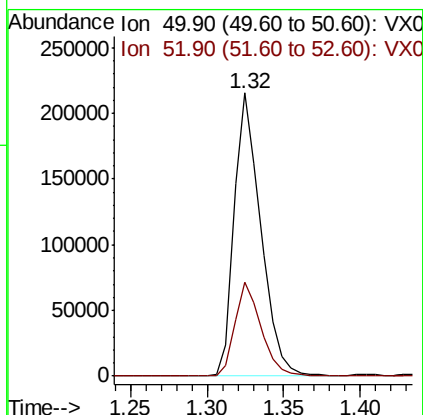
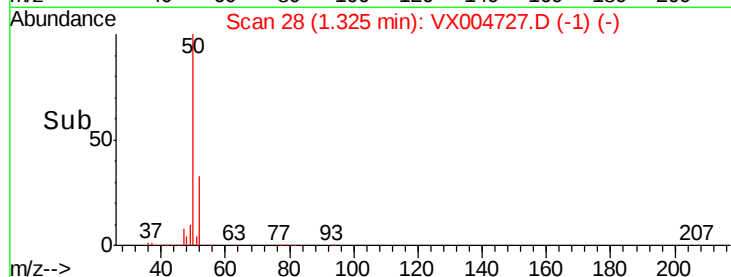
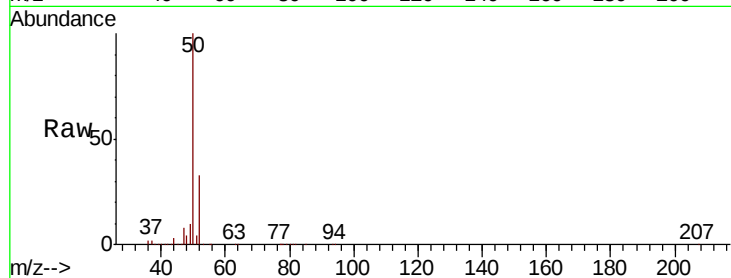
52 33.0 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.387 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004727.D

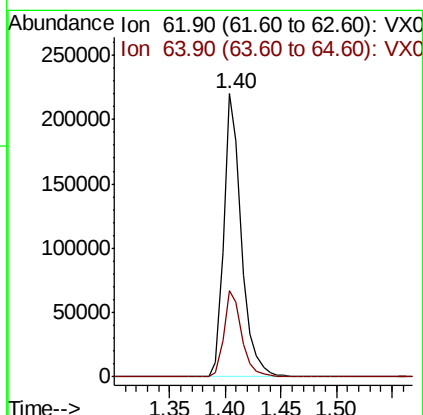
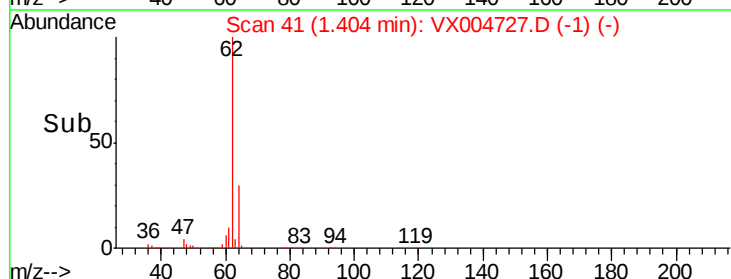
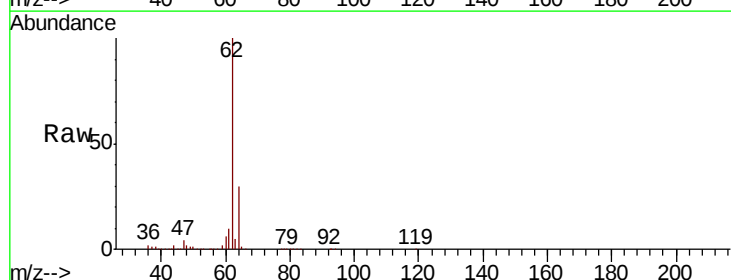
Acq: 26 Sep 2018 14:16

Tgt Ion: 62 Resp: 239614

Ion Ratio Lower Upper

62 100

64 30.4 25.8 38.8





#5

Bromomethane

Concen: 53.200 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004727.D

Acq: 26 Sep 2018 14:16

Instrument :

MSVOA_X

ClientSampleId :

ICVVX092618

Tot Ion: 94 Resp: 150020

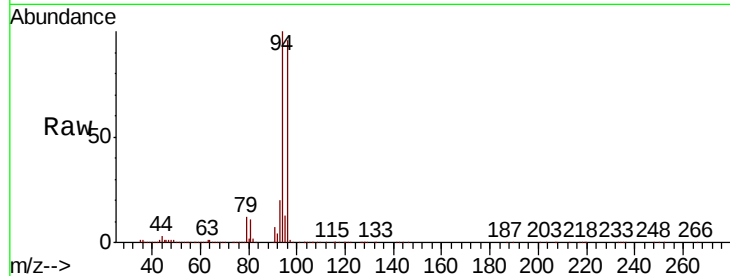
Ion Ratio Lower Upper

94 100

96 96.4 74.5 111.7

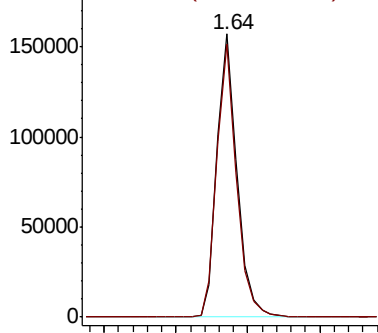
Manual Integrations
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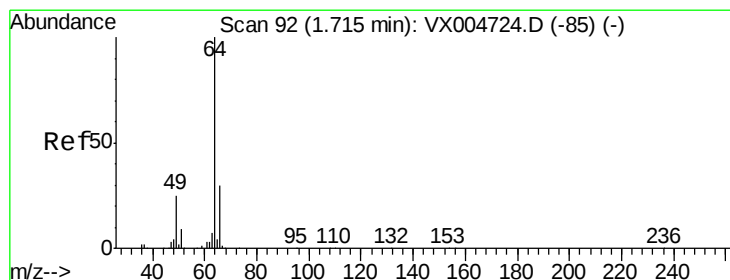
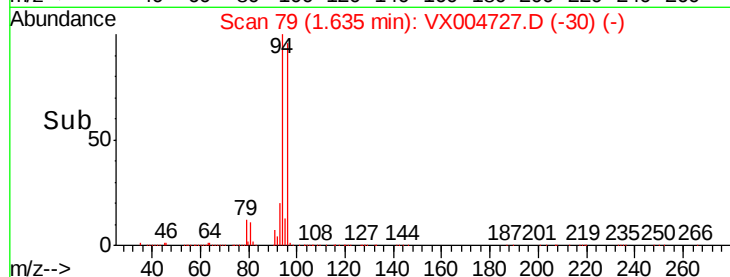


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 54.628 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX004727.D

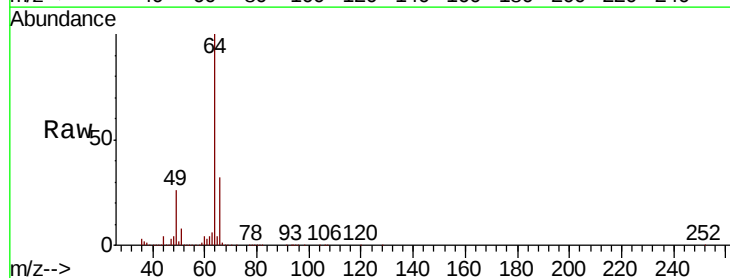
Acq: 26 Sep 2018 14:16

Tgt Ion: 64 Resp: 141015

Ion Ratio Lower Upper

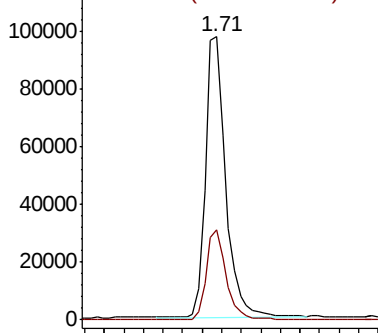
64 100

66 31.9 24.6 36.8

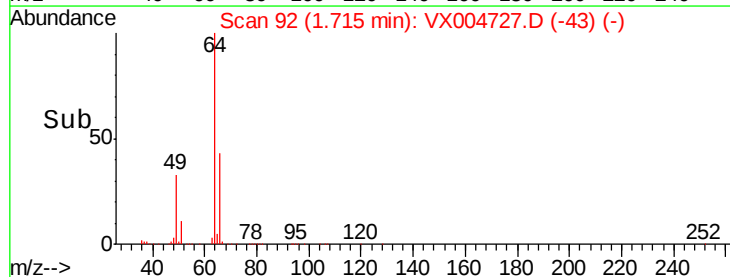


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->





#7

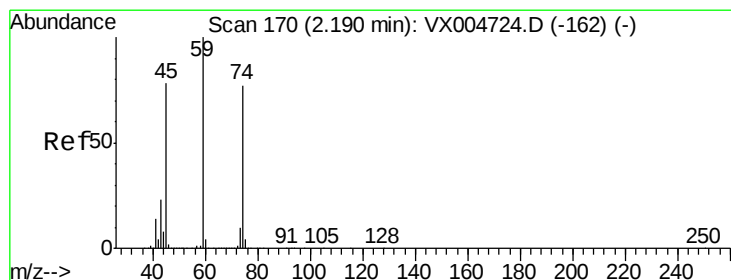
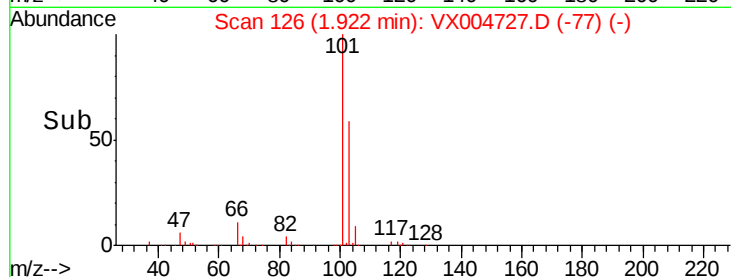
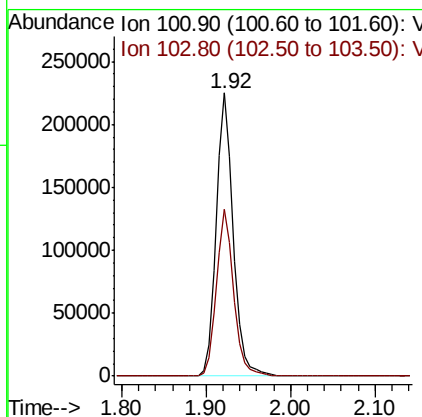
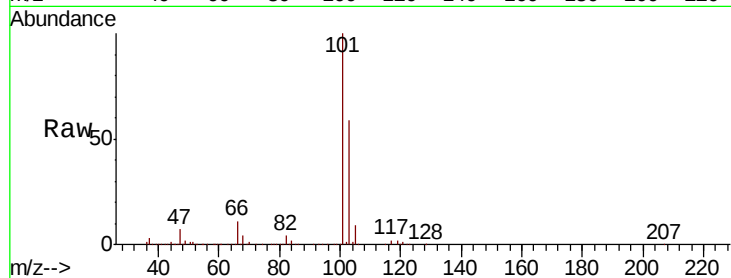
Trichlorofluoromethane
 Concen: 53.337 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX004727.D
 Acq: 26 Sep 2018 14:16

Instrument :
 MSVOA_X
 ClientSampled :
 ICVVX092618

Tot Ion	Ratio	Lower	Upper
101	100		
103	58.9	48.9	73.3

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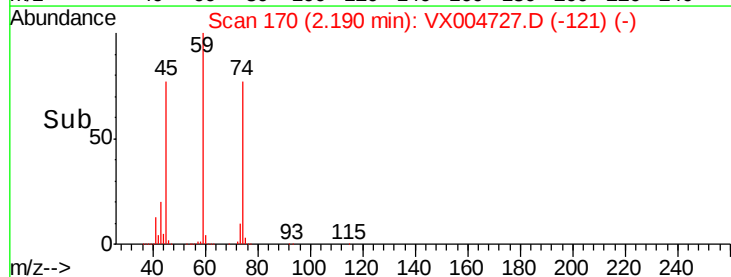
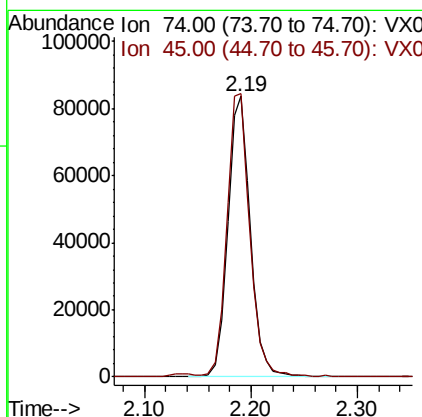
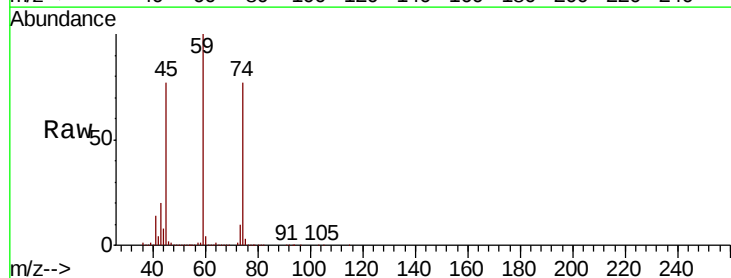
MMDadoda
 10/1/2018 1:31:00 PM

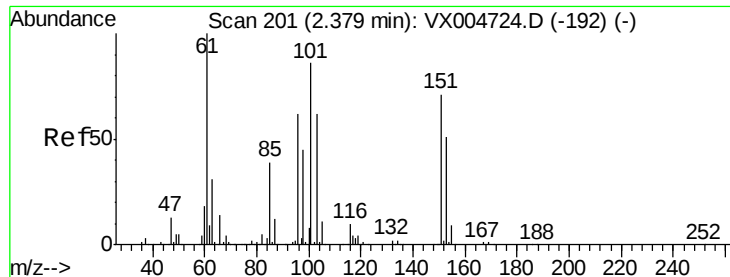


#8

Diethyl Ether
 Concen: 48.022 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX004727.D
 Acq: 26 Sep 2018 14:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.6	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.132 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX004727.D

Acq: 26 Sep 2018 14:16

Instrument :

MSVOA_X

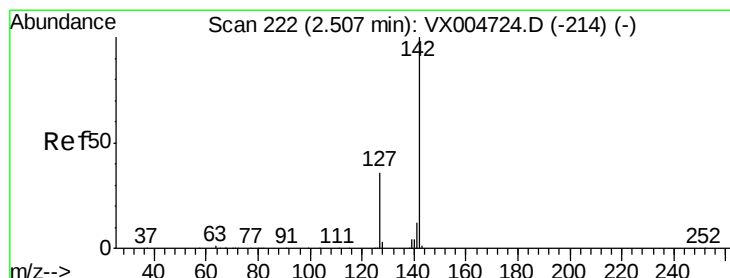
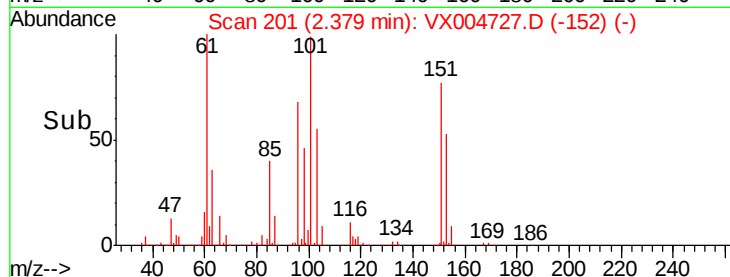
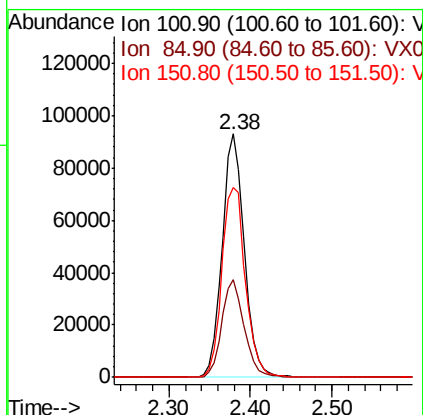
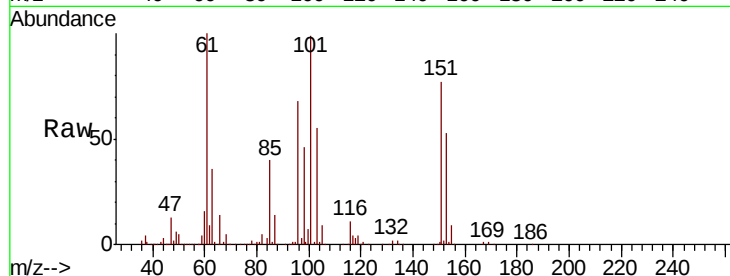
ClientSampleId :

ICVVX092618

Tot Ion:	101	Resp:	174826
Ion Ratio	Lower	Upper	
101	100		
85	40.4	34.2	51.4
151	83.0	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 48.930 ug/l

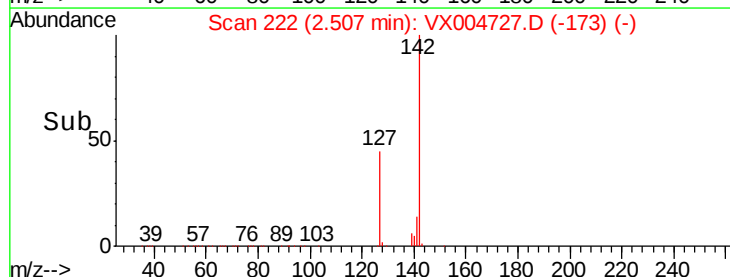
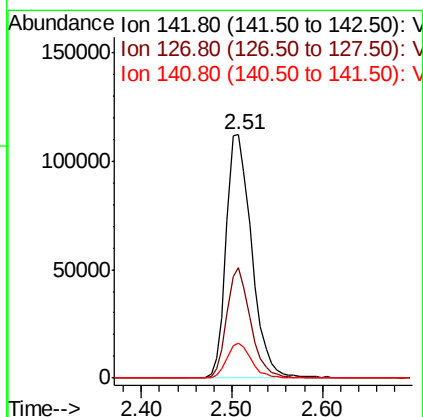
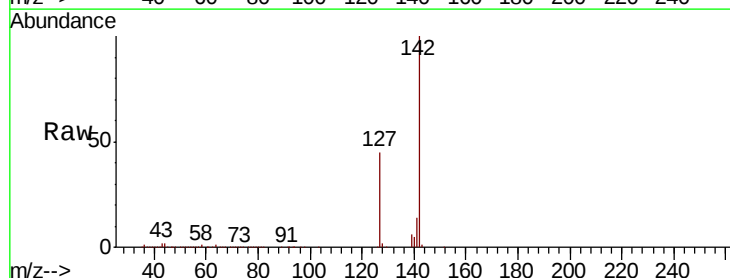
RT: 2.51 min Scan# 222

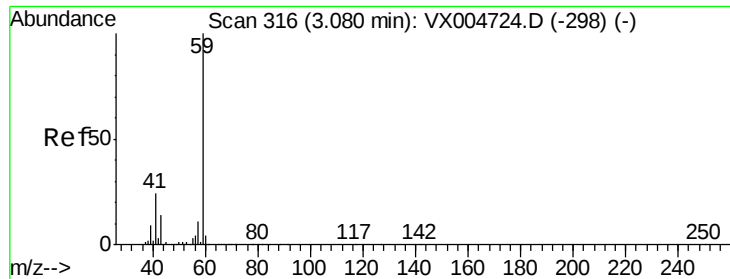
Delta R.T. 0.00 min

Lab File: VX004727.D

Acq: 26 Sep 2018 14:16

Tgt Ion:	142	Resp:	219572
Ion Ratio	Lower	Upper	
142	100		
127	42.7	33.8	50.6
141	13.7	11.4	17.0





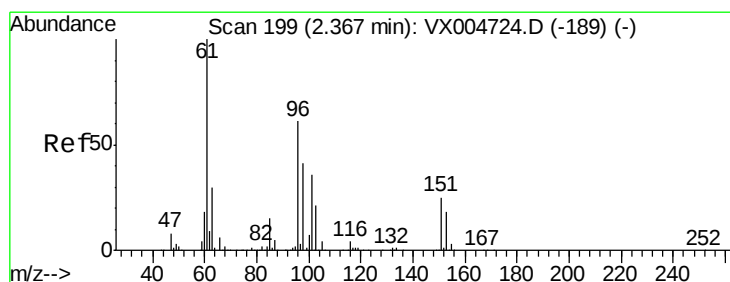
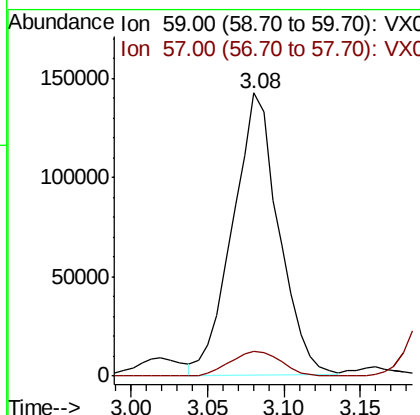
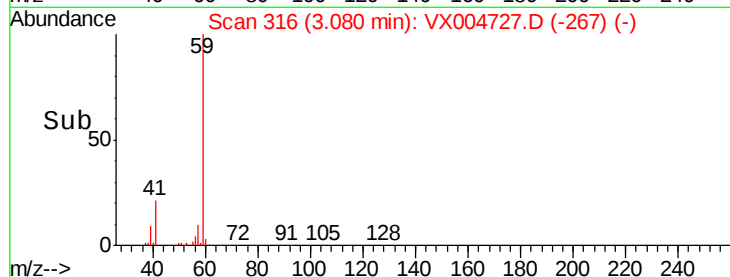
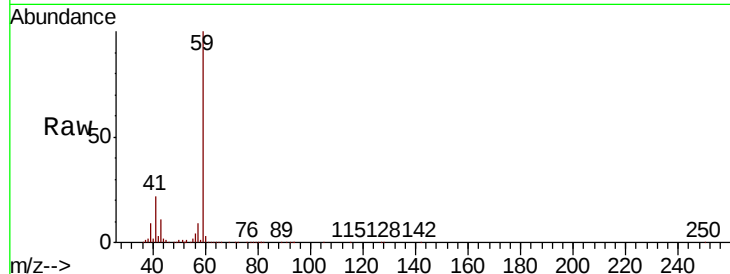
#11
Tert butyl alcohol
Concen: 243.544 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX004727.D
Acq: 26 Sep 2018 14:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX092618

Tot Ion	Ratio	Resp	Lower	Upper
59	100	298160		
57	9.8		8.2	12.4

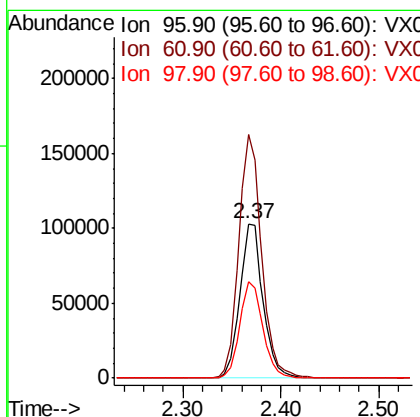
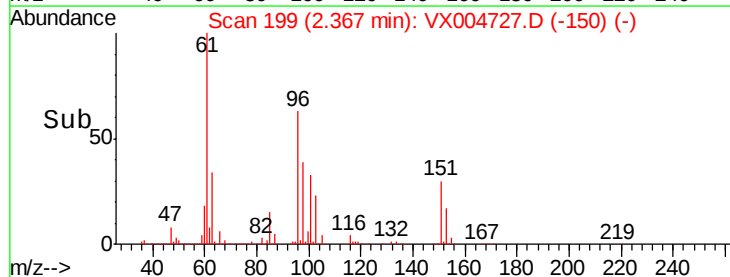
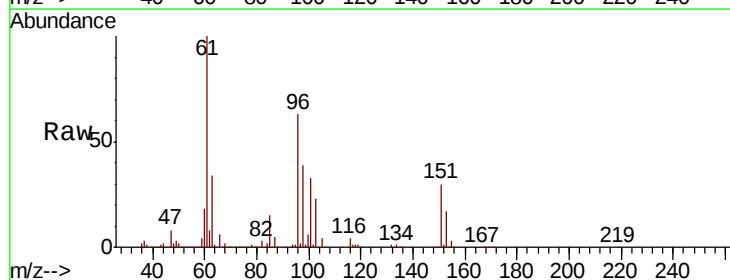
Manual Integrations
APPROVED

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10/1/2018 1:31:00 PM



#12
1,1-Dichloroethene
Concen: 50.711 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX004727.D
Acq: 26 Sep 2018 14:16

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	168416		
61	157.6		128.8	193.2
98	62.1		52.2	78.2





#13

Acrolein

Concen: 244.095 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004727.D

Acq: 26 Sep 2018 14:16

Instrument :

MSVOA_X

ClientSampleId :

ICVVX092618

Tot Ion: 56 Resp: 212619

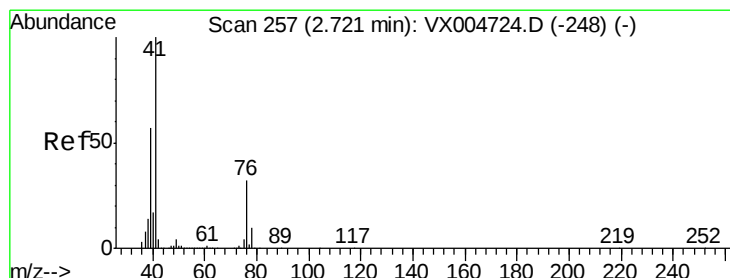
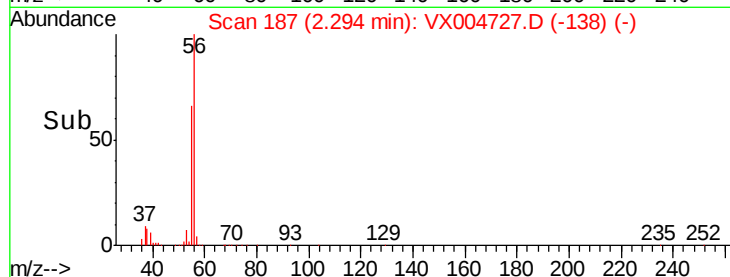
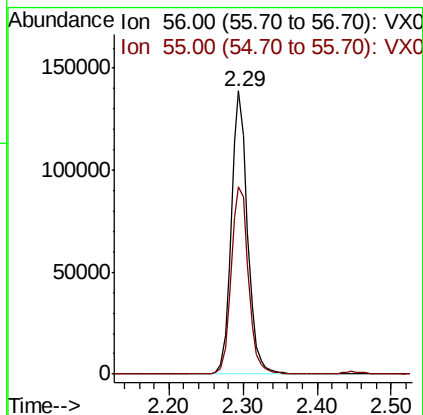
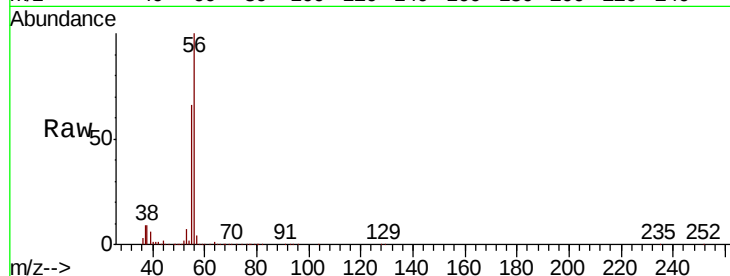
Ion Ratio Lower Upper

56 100

55 69.7 54.7 82.1

Manual Integrations
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#14

Allyl chloride

Concen: 52.404 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX004727.D

Acq: 26 Sep 2018 14:16

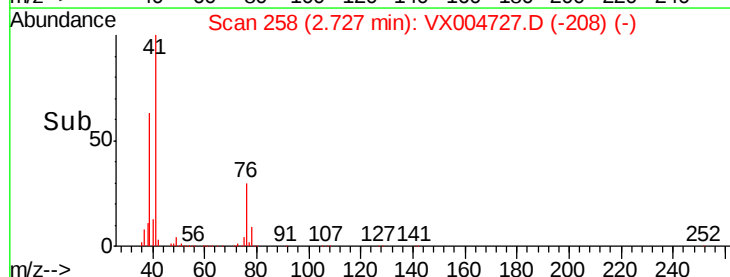
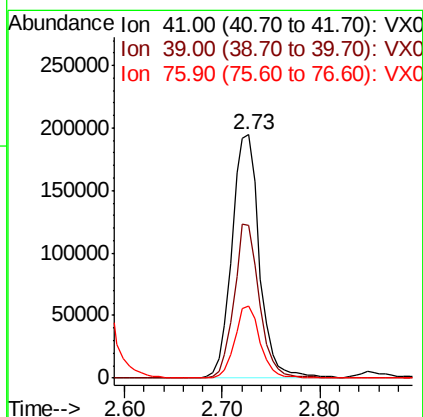
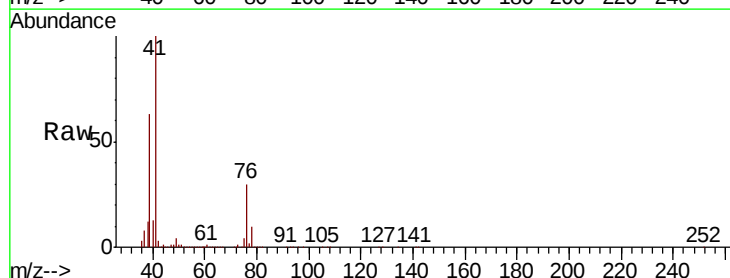
Tgt Ion: 41 Resp: 379739

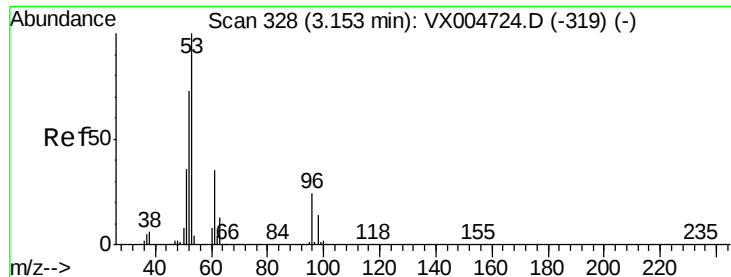
Ion Ratio Lower Upper

41 100

39 58.0 48.9 73.3

76 27.0 26.7 40.1





#15

Acrylonitrile

Concen: 233.401 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX004727.D

Acq: 26 Sep 2018 14:16

Instrument :

MSVOA_X

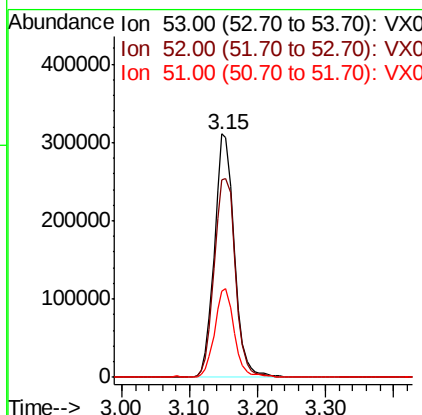
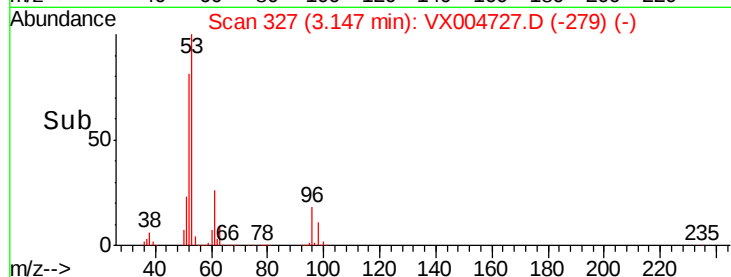
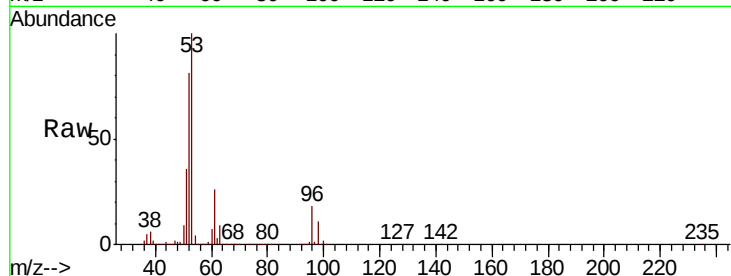
ClientSampleId :

ICVVX092618

Tot Ion	53	Resp	629028
Ion	Ratio	Lower	Upper
53	100		
52	86.8	65.2	97.8
51	36.1	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 259.755 ug/l

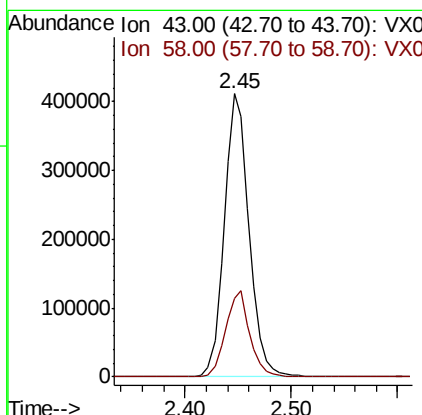
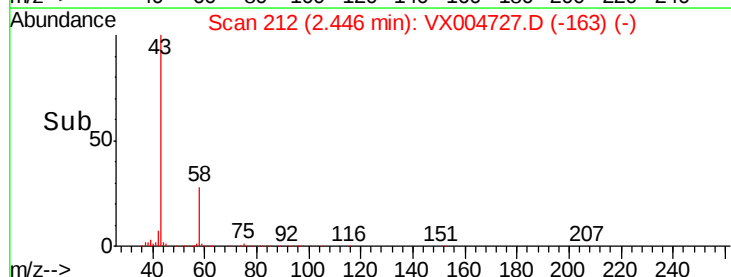
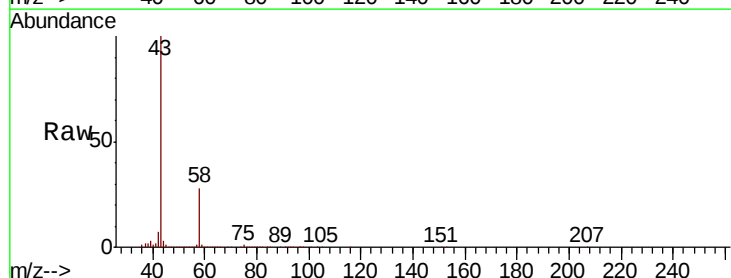
RT: 2.45 min Scan# 212

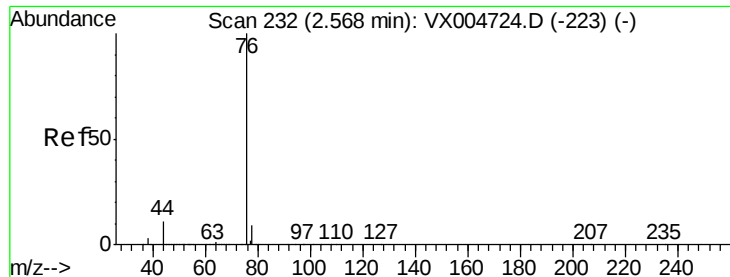
Delta R.T. 0.00 min

Lab File: VX004727.D

Acq: 26 Sep 2018 14:16

Tgt Ion	43	Resp	663990
Ion	Ratio	Lower	Upper
43	100		
58	27.8	26.2	39.4





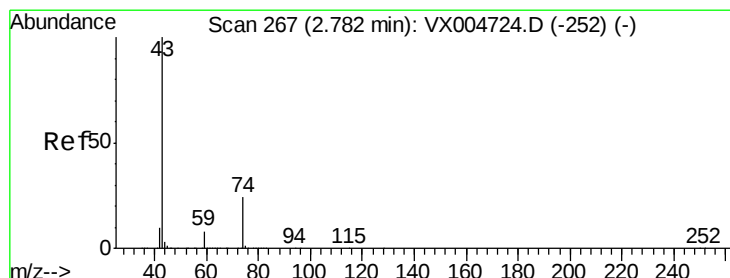
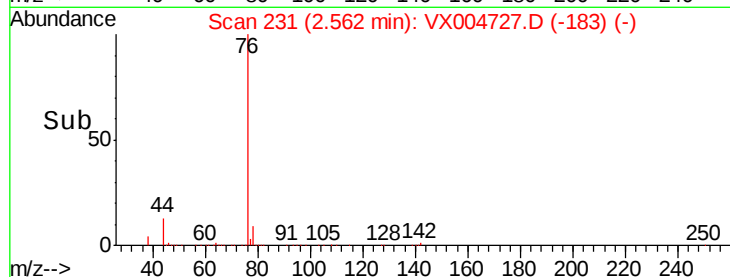
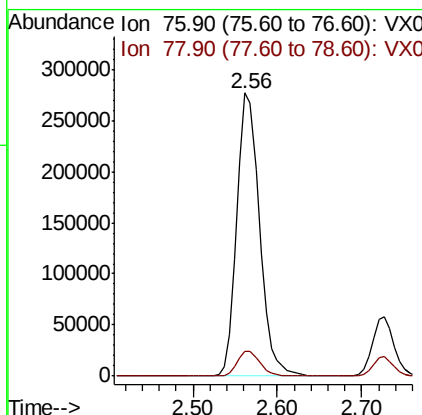
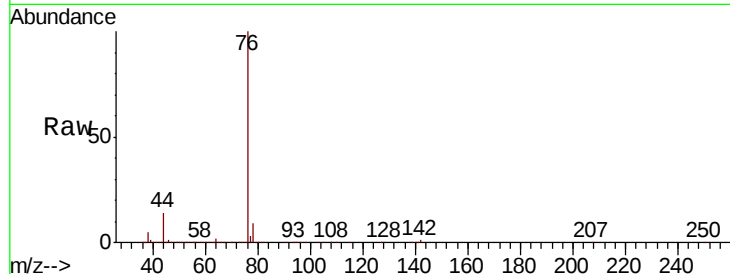
#17
Carbon Disulfide
Concen: 50.356 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX004727.D
Acq: 26 Sep 2018 14:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX092618

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.6

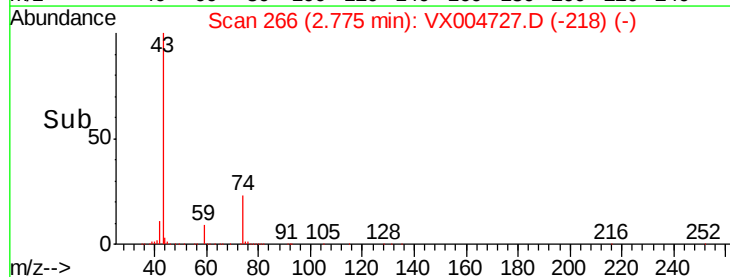
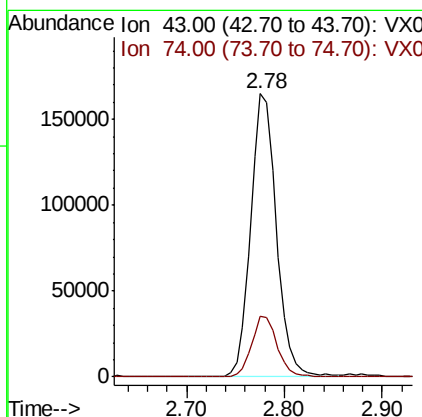
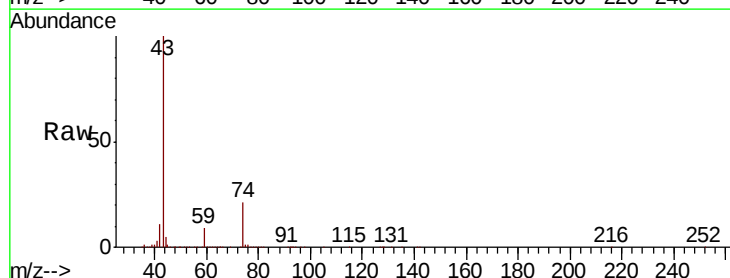
Manual Integrations
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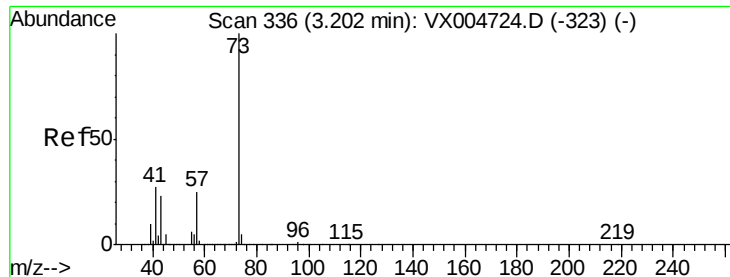
MMDadoda
10/1/2018 1:31:00 PM



#18
Methyl Acetate
Concen: 46.329 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX004727.D
Acq: 26 Sep 2018 14:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.6	19.4	29.2





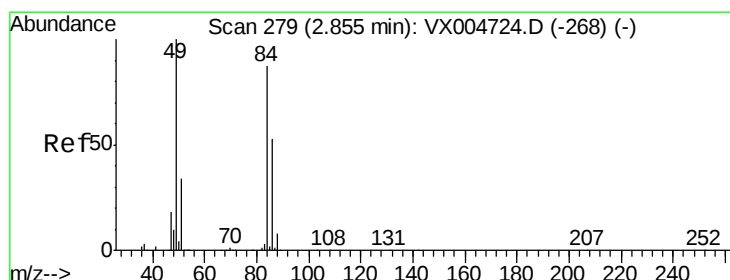
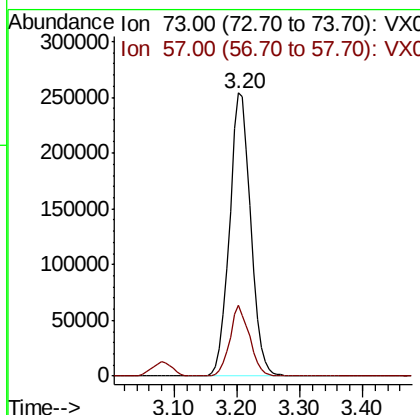
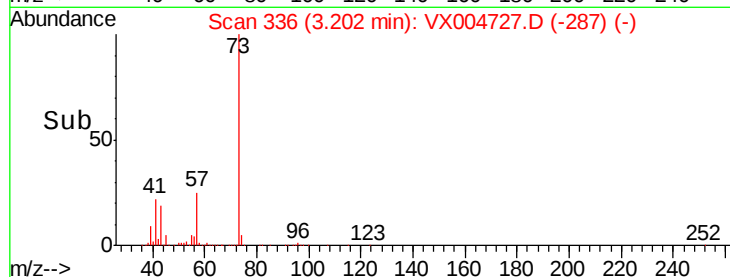
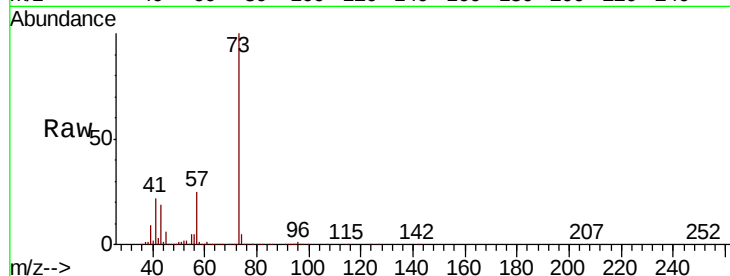
#19
Methyl tert-butyl Ether
Concen: 51.703 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX004727.D
Acq: 26 Sep 2018 14:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX092618

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.9	17.1	25.7

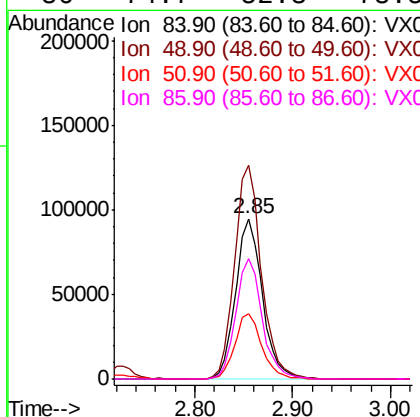
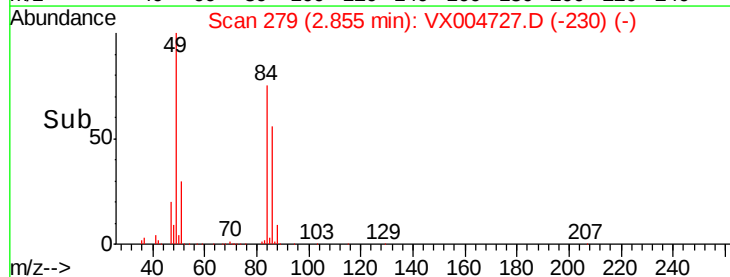
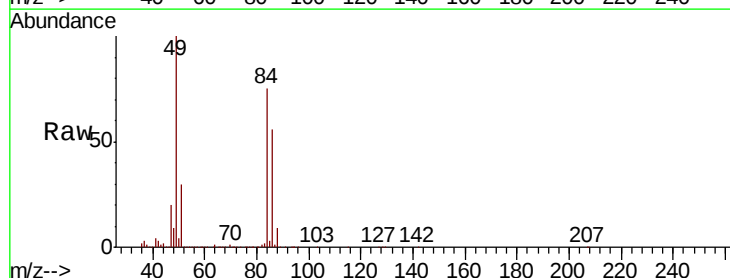
Manual Integrations
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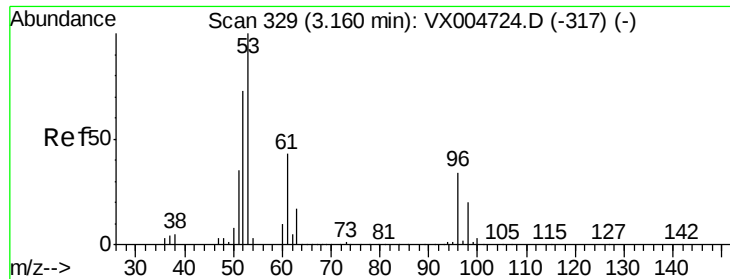
MMDadoda
10/1/2018 1:31:00 PM



#20
Methylene Chloride
Concen: 48.395 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004727.D
Acq: 26 Sep 2018 14:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.1	101.2	151.8
51	40.4	29.5	44.3
86	74.7	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 46.841 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX004727.D

Acq: 26 Sep 2018 14:16

Instrument :

MSVOA_X

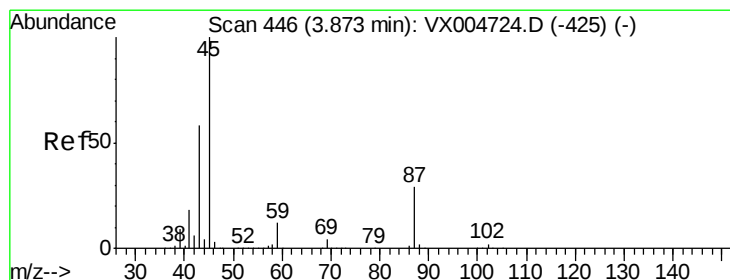
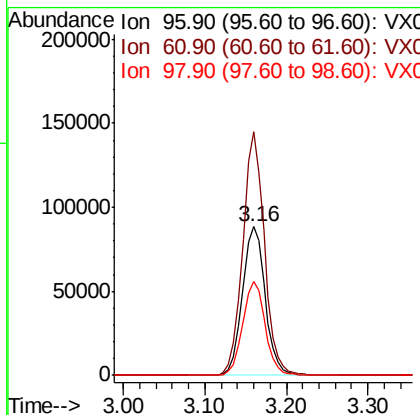
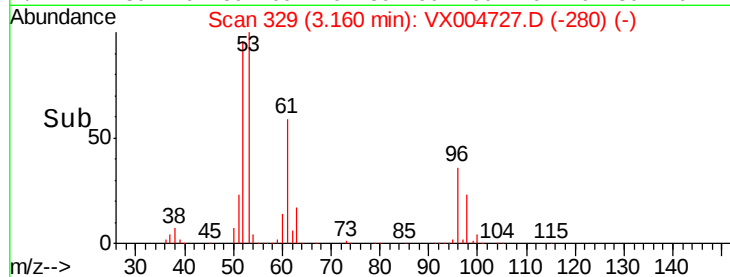
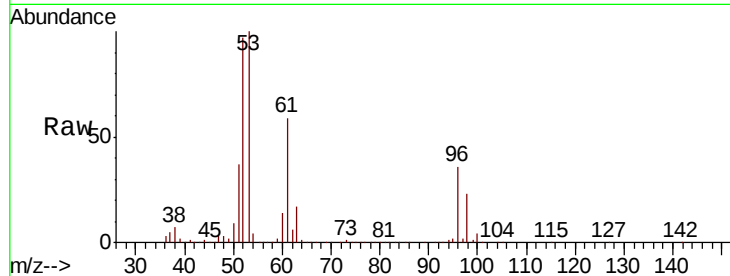
ClientSampleId :

ICVVX092618

Tot Ion:	96	Resp:	170291
Ion	Ratio	Lower	Upper
96	100		
61	163.7	113.8	170.6
98	63.6	51.8	77.8

Manual Integrations
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10/1/2018 1:31:00 PM



#22

Diisopropyl ether

Concen: 52.612 ug/l

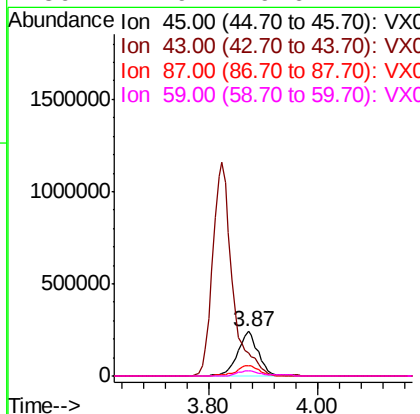
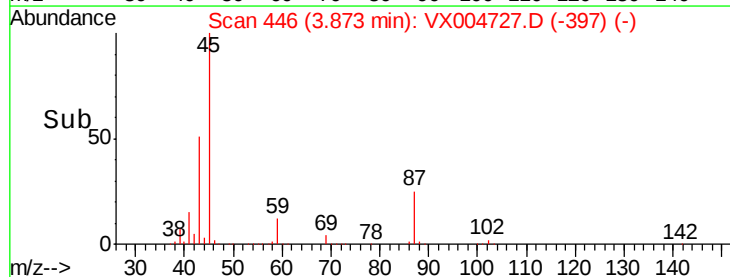
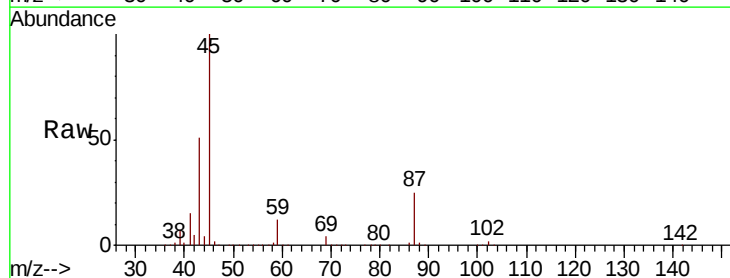
RT: 3.87 min Scan# 446

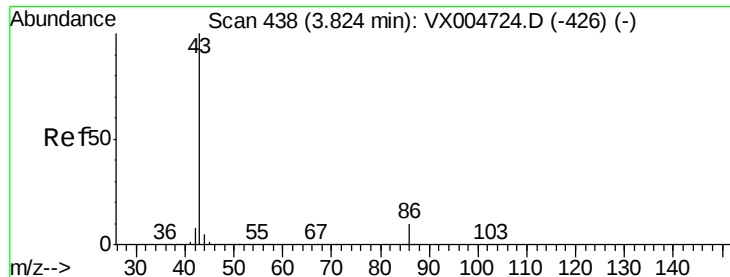
Delta R.T. -0.00 min

Lab File: VX004727.D

Acq: 26 Sep 2018 14:16

Tgt Ion:	45	Resp:	641986
Ion	Ratio	Lower	Upper
45	100		
43	50.8	42.8	64.2
87	24.6	22.6	34.0
59	11.9	9.6	14.4





#23

Vinyl Acetate

Concen: 260.216 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX004727.D

Acq: 26 Sep 2018 14:16

Instrument :

MSVOA_X

ClientSampleID :

ICVVX092618

Tot Ion: 43 Resp: 2906455

Ion Ratio Lower Upper

43 100

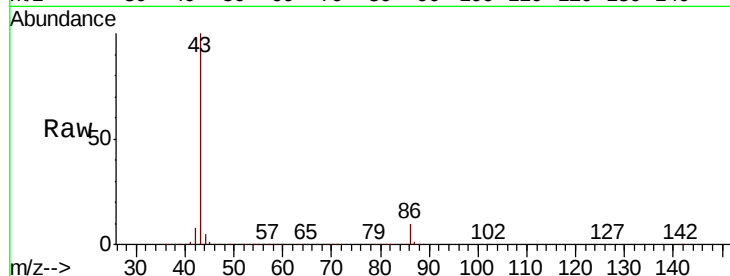
86 9.8 8.9 13.3

Manual Integrations

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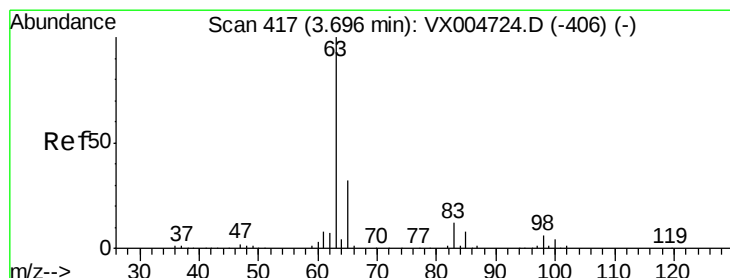
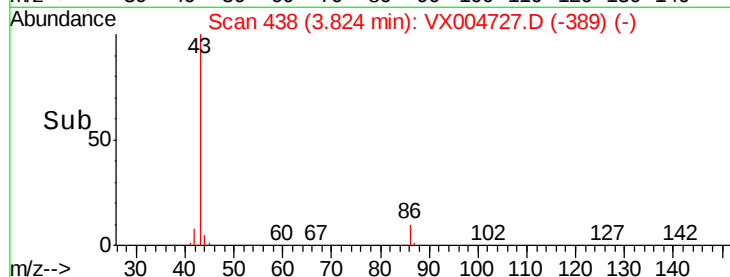
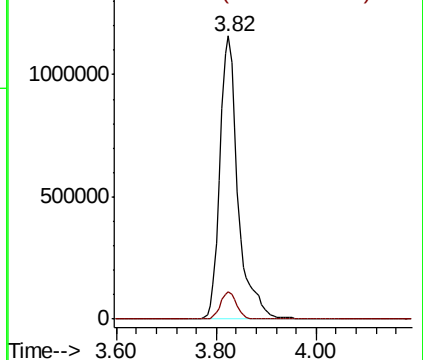
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 45.929 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX004727.D

Acq: 26 Sep 2018 14:16

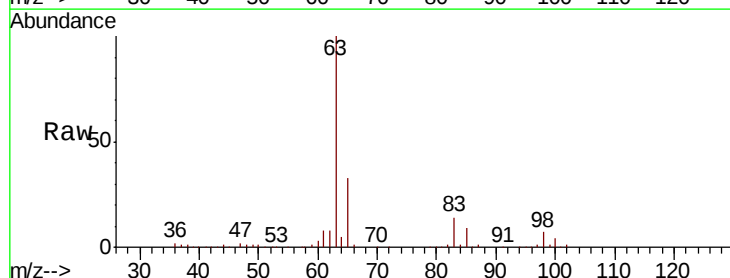
Tgt Ion: 63 Resp: 334308

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.4

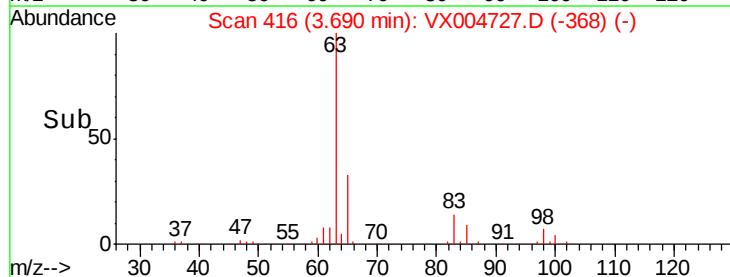
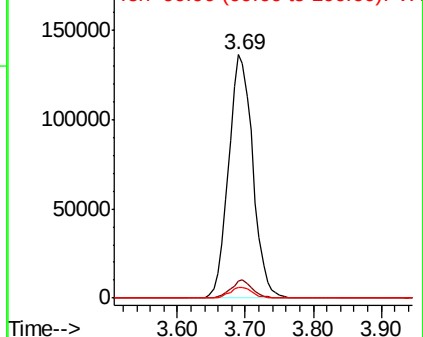
100 4.2 2.4 7.1

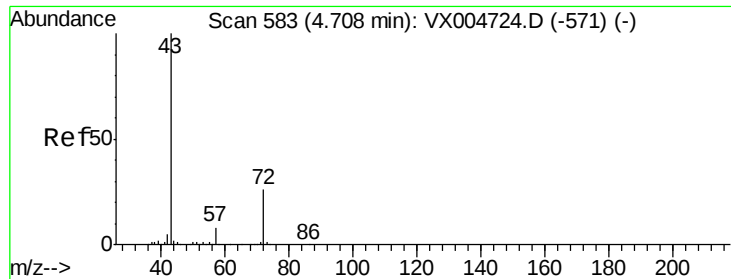


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 262.785 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX004727.D

Acq: 26 Sep 2018 14:16

Instrument :

MSVOA_X

ClientSampleId :

ICVVX092618

Tot Ion: 43 Resp: 990160

Ion Ratio Lower Upper

43 100

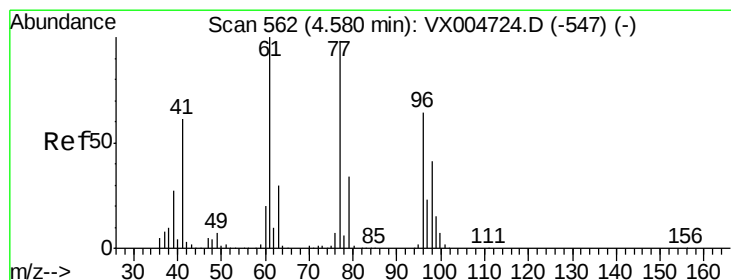
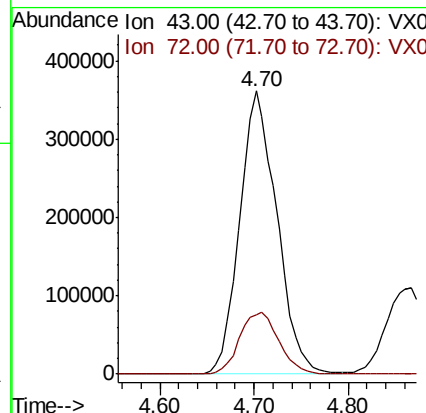
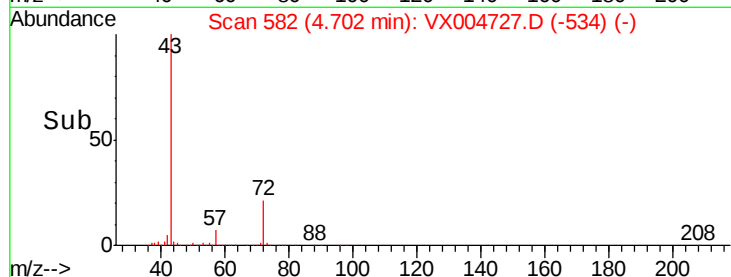
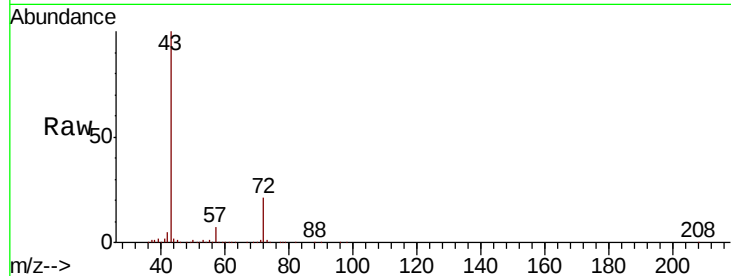
72 21.1 22.0 33.0#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 54.688 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX004727.D

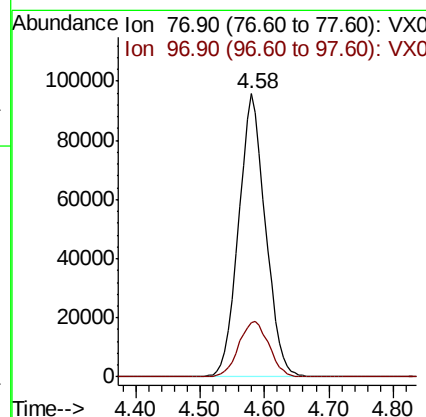
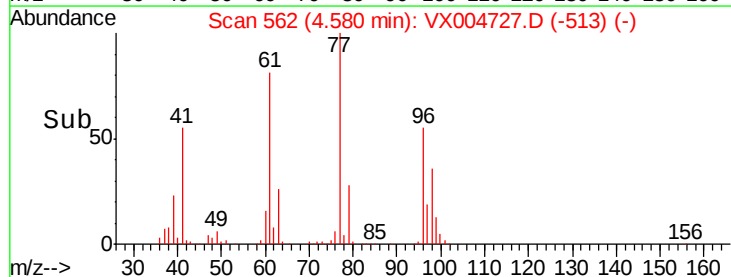
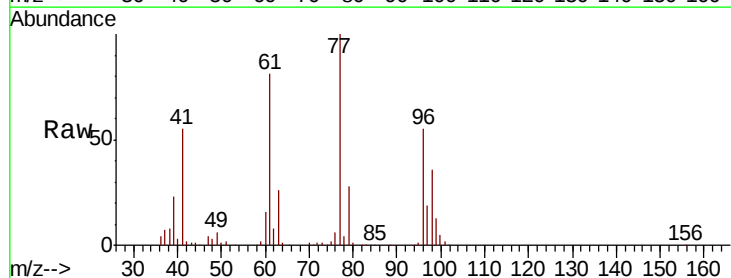
Acq: 26 Sep 2018 14:16

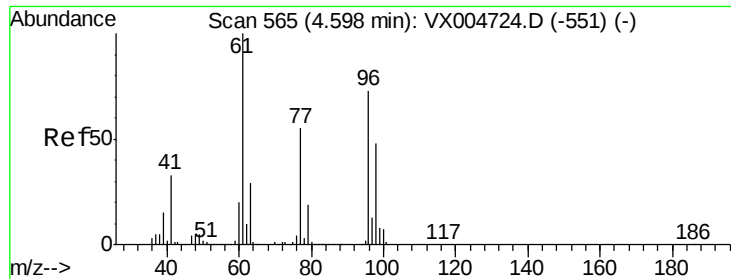
Tgt Ion: 77 Resp: 277195

Ion Ratio Lower Upper

77 100

97 21.9 11.7 35.0





#27

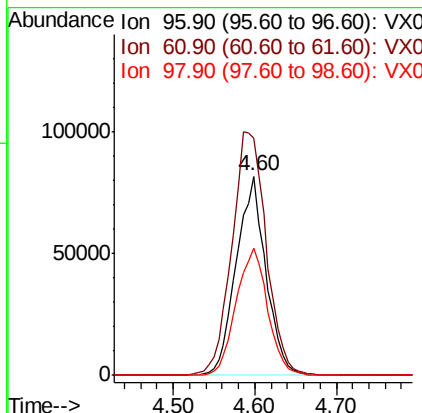
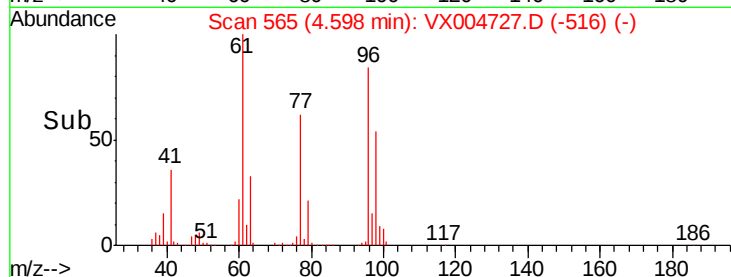
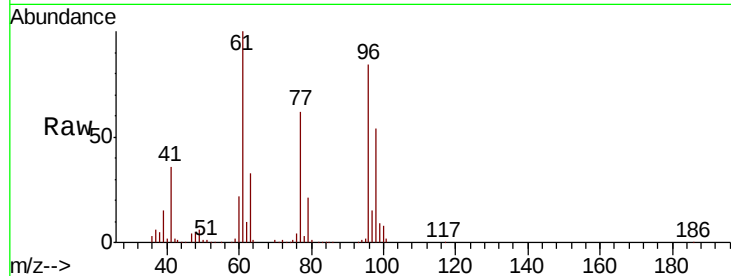
cis-1,2-Dichloroethene
 Concen: 50.600 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX004727.D
 Acq: 26 Sep 2018 14:16

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX092618

Tot Ion	Ratio	Resp	Lower	Upper
96	100	205506		
61	141.8	0.0	282.6	
98	67.8	0.0	130.2	

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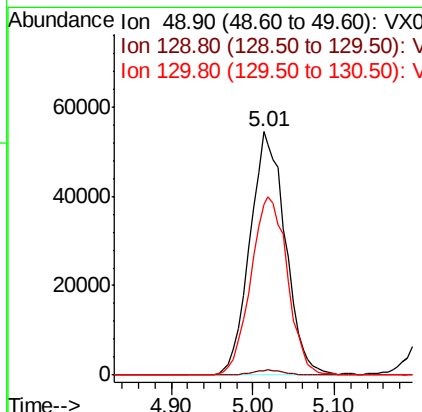
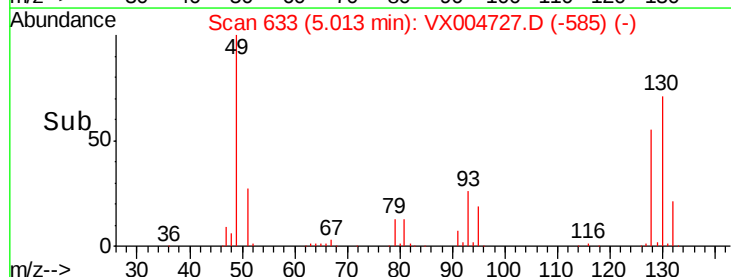
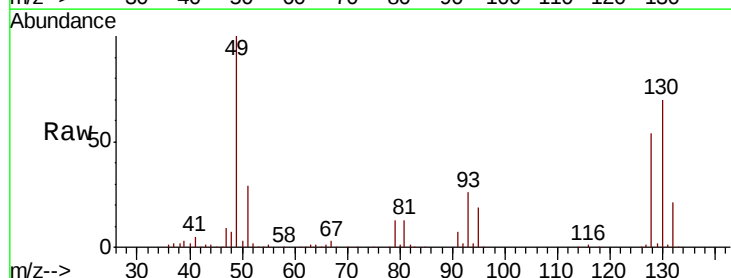
MMDadoda
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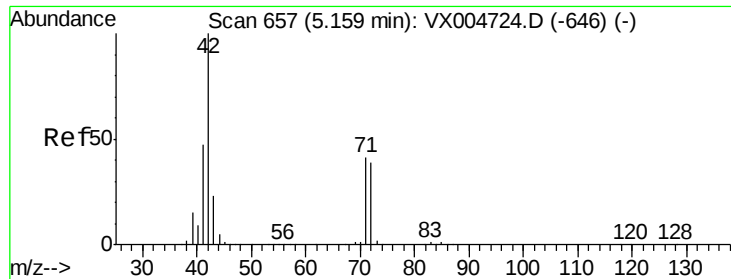


#28

Bromochloromethane
 Concen: 48.002 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX004727.D
 Acq: 26 Sep 2018 14:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	164534		
129	1.9	0.0	4.2	
130	75.6	67.5	101.3	





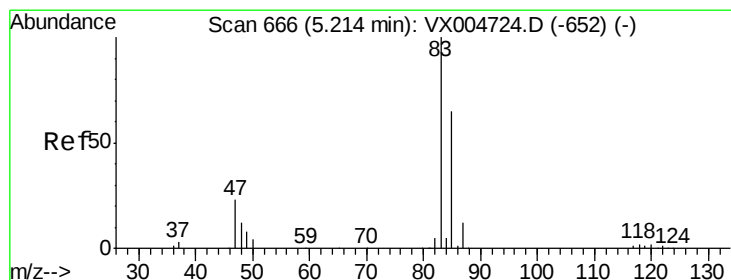
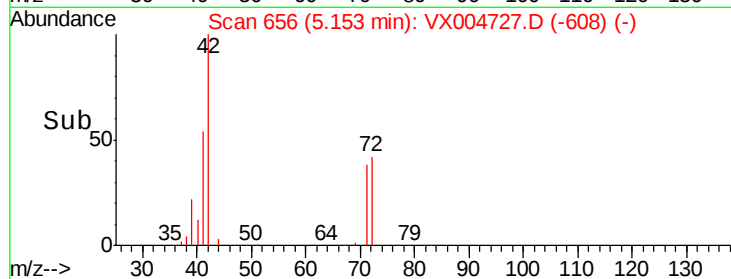
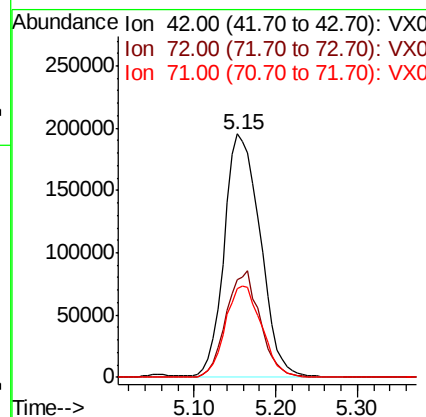
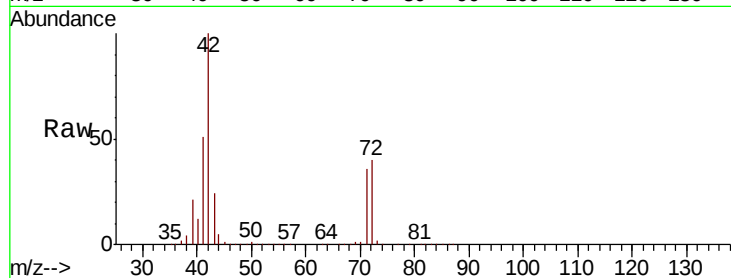
#29
Tetrahydrofuran
Concen: 254.148 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX004727.D
Acq: 26 Sep 2018 14:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX092618

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	37.4	56.0
71	38.1	34.5	51.7

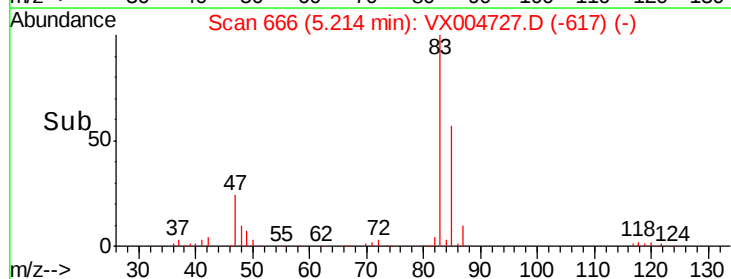
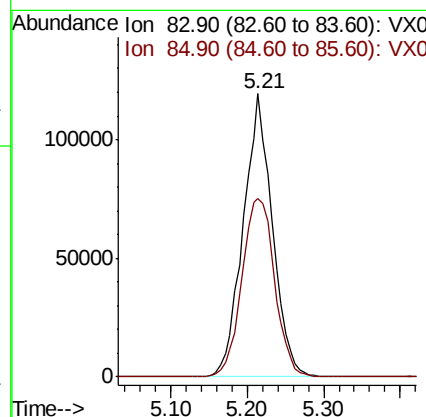
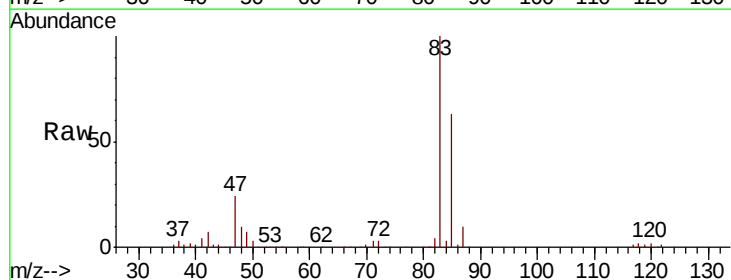
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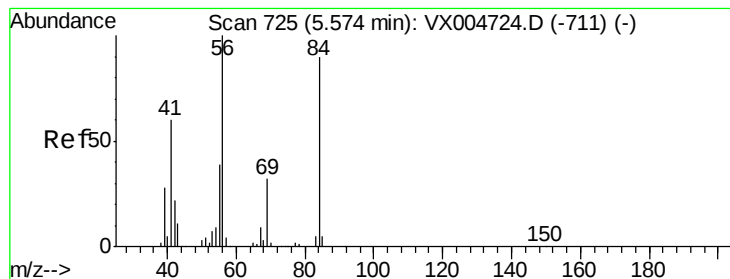
MMDadoda
10/1/2018 1:31:00 PM



#30
Chloroform
Concen: 45.847 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX004727.D
Acq: 26 Sep 2018 14:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.6	79.0





#31

Cyclohexane

Concen: 54.350 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX004727.D

Acq: 26 Sep 2018 14:16

Instrument :

MSVOA_X

ClientSampleId :

ICVVX092618

Tot Ion: 56 Resp: 302783

Ion Ratio Lower Upper

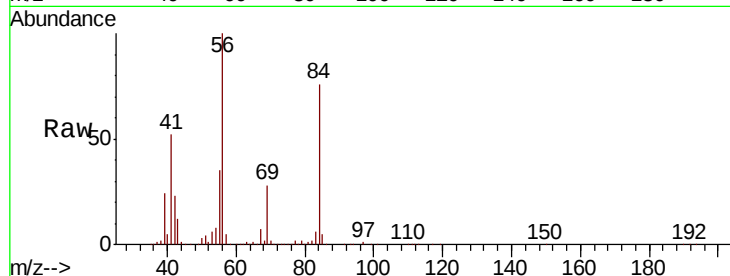
56 100

69 27.8 25.4 38.2

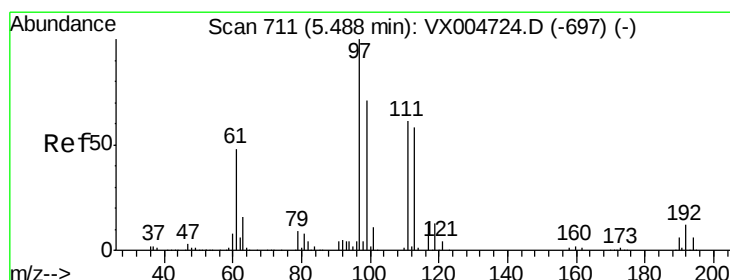
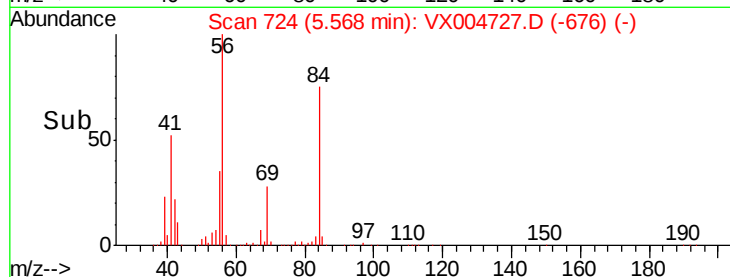
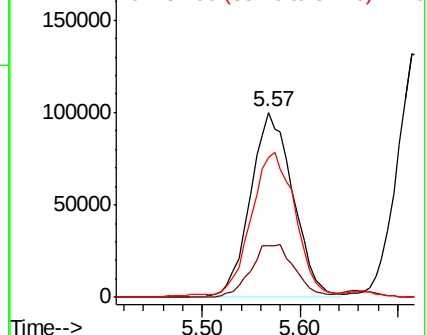
84 74.2 71.4 107.2

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



#32

1,1,1-Trichloroethane

Concen: 48.144 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

Lab File: VX004727.D

Acq: 26 Sep 2018 14:16

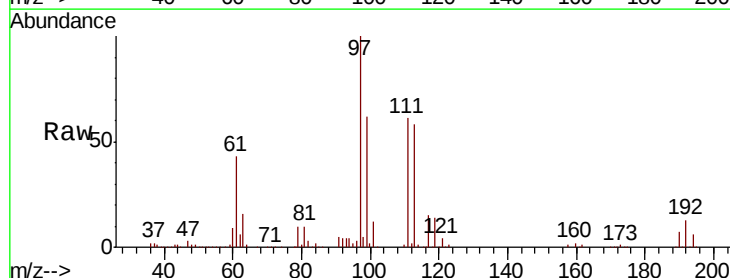
Tgt Ion: 97 Resp: 270473

Ion Ratio Lower Upper

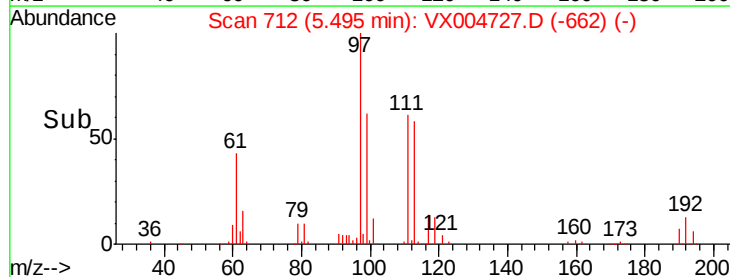
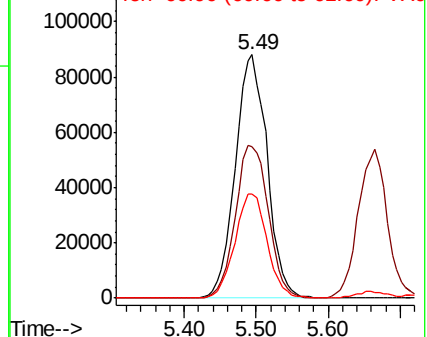
97 100

99 65.2 52.0 78.0

61 43.5 34.9 52.3



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





#33

1,2-Dichloroethane-d4

Concen: 43.044 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004727.D

Acq: 26 Sep 2018 14:16

Instrument :

MSVOA_X

ClientSampleId :

ICVVX092618

Tot Ion: 65 Resp: 188466

Ion Ratio Lower Upper

65 100

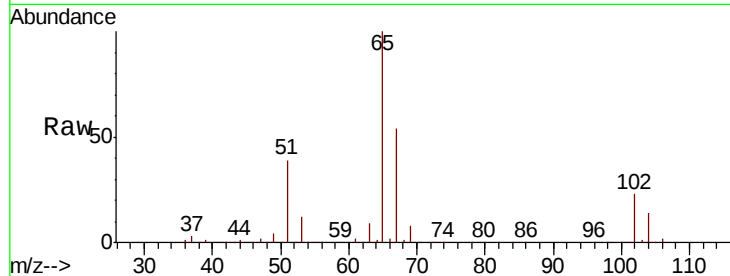
67 58.2 0.0 106.8

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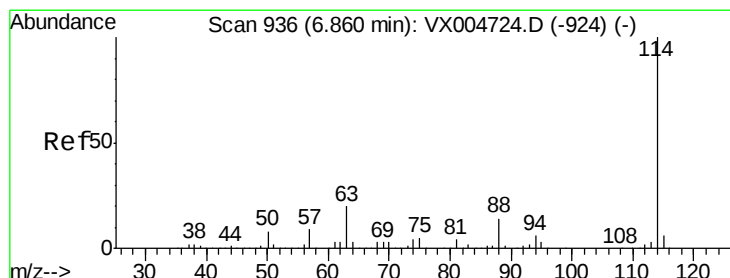
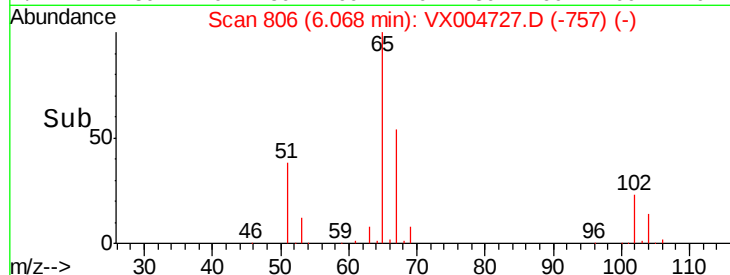
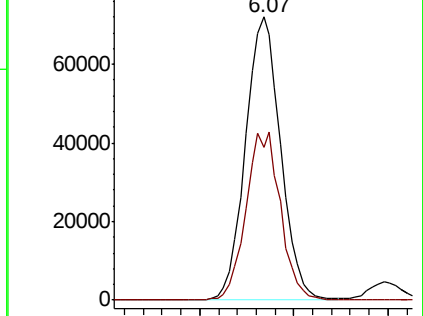
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX004727.D

Acq: 26 Sep 2018 14:16

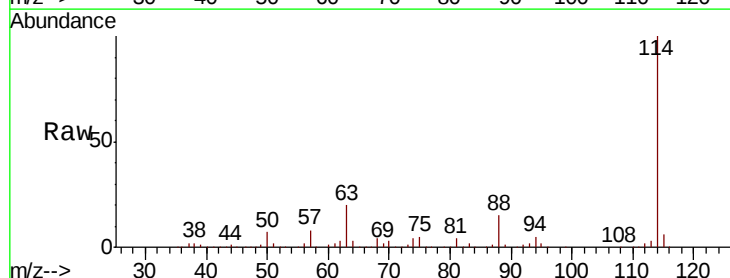
Tgt Ion: 114 Resp: 394137

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.0

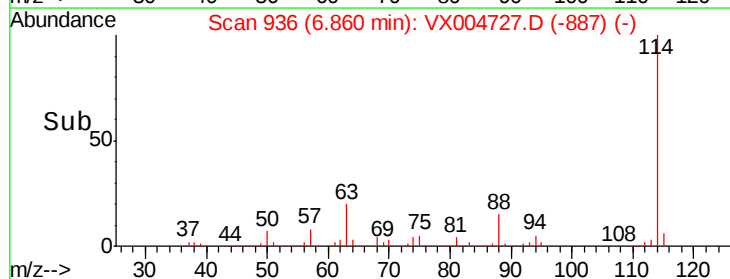
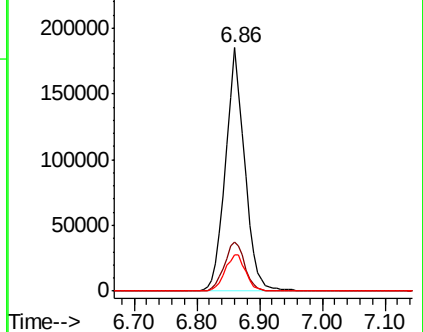
88 14.8 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.877 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX004727.D

Acq: 26 Sep 2018 14:16

Instrument :

MSVOA_X

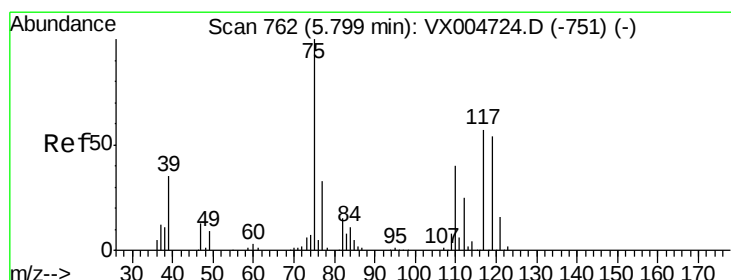
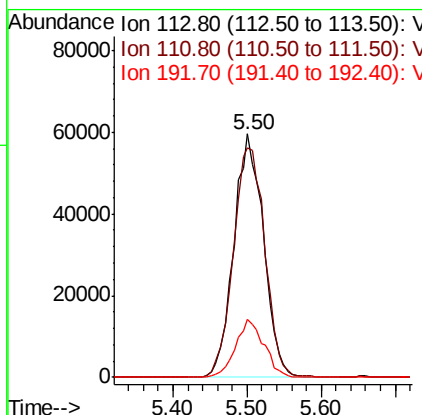
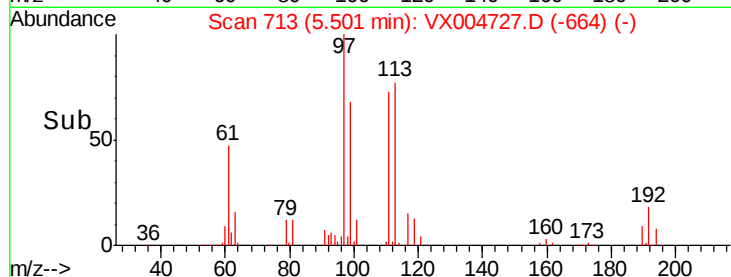
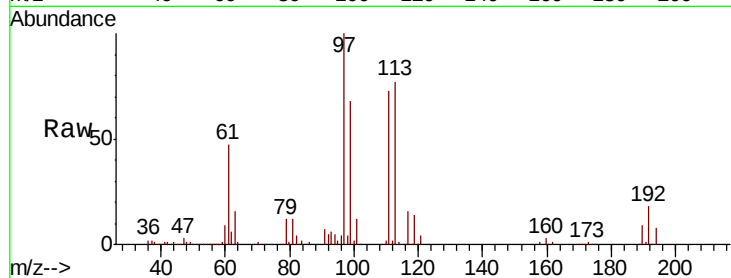
ClientSampleId :

ICVVX092618

Tot Ion:	113	Resp:	166608
Ion Ratio	Lower	Upper	
113	100		
111	100.4	82.4	123.6
192	22.8	19.4	29.2

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#36

1,1-Dichloropropene

Concen: 54.111 ug/l

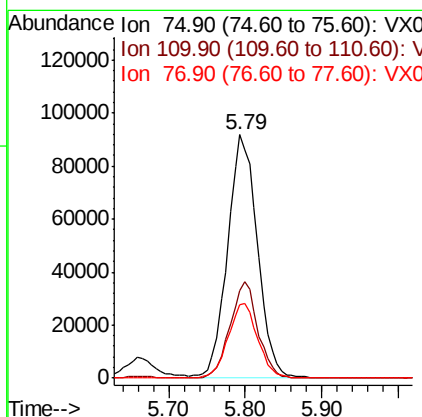
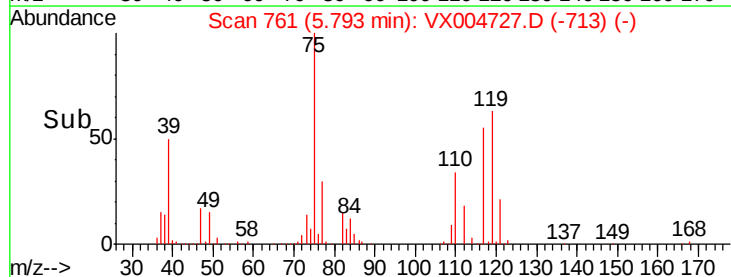
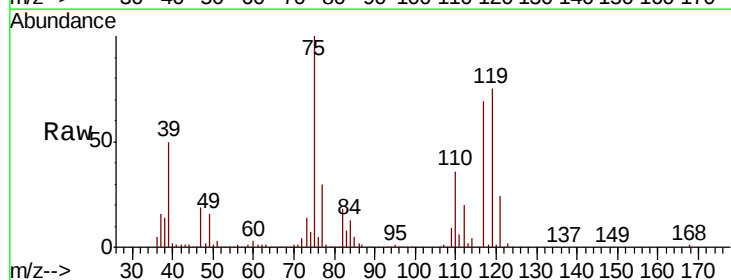
RT: 5.79 min Scan# 761

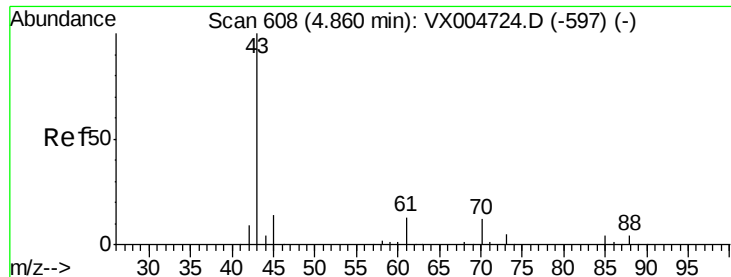
Delta R.T. -0.01 min

Lab File: VX004727.D

Acq: 26 Sep 2018 14:16

Tgt Ion:	75	Resp:	246609
Ion Ratio	Lower	Upper	
75	100		
110	37.1	18.0	54.0
77	30.7	24.6	36.8





#37

Ethyl Acetate

Concen: 53.908 ug/l

RT: 4.87 min Scan# 609

Delta R.T. 0.01 min

Lab File: VX004727.D

Acq: 26 Sep 2018 14:16

Instrument :

MSVOA_X

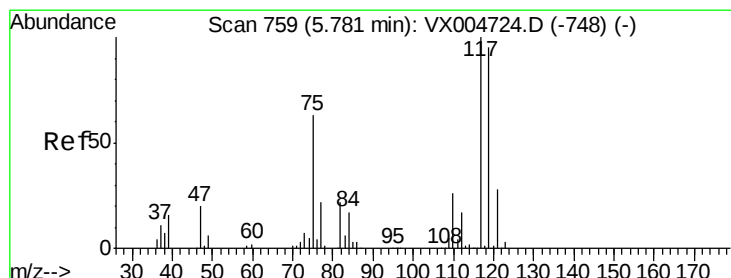
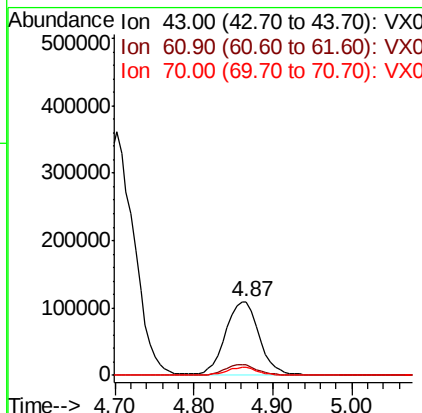
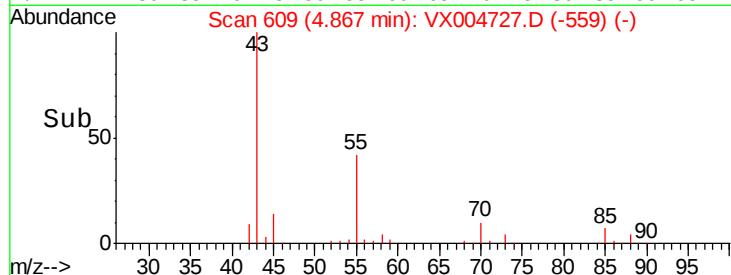
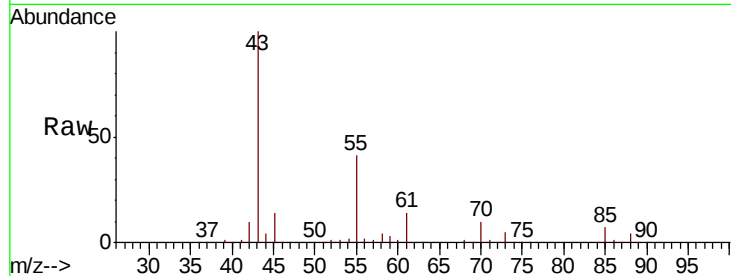
ClientSampleId :

ICVVX092618

Tot Ion:	43	Resp:	326125
Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.5	17.3
70	10.1	9.0	13.6

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 49.588 ug/l

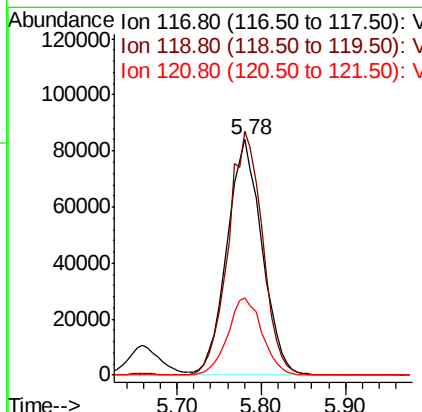
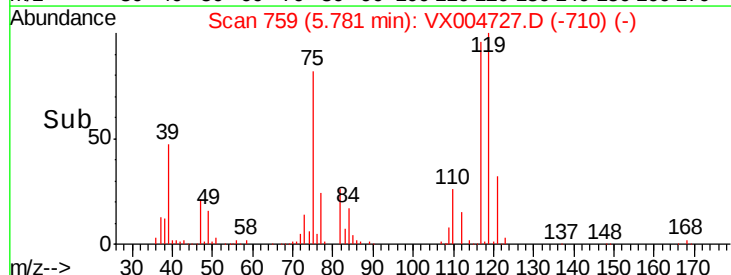
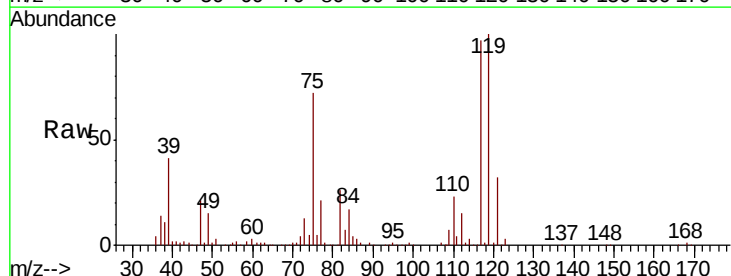
RT: 5.78 min Scan# 759

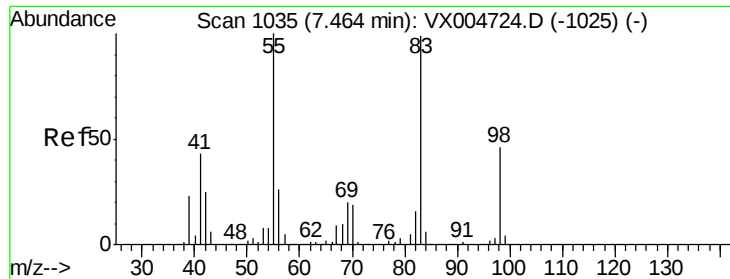
Delta R.T. 0.00 min

Lab File: VX004727.D

Acq: 26 Sep 2018 14:16

Tgt Ion:	117	Resp:	237565
Ion	Ratio	Lower	Upper
117	100		
119	103.2	78.8	118.2
121	32.9	24.9	37.3





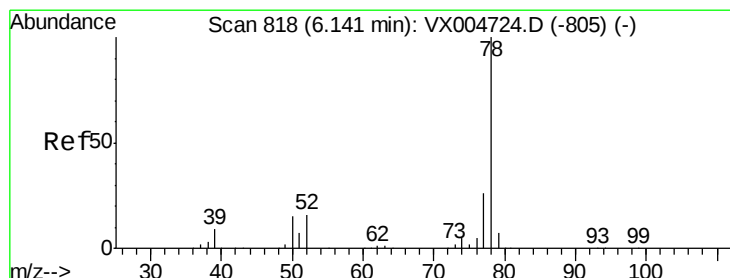
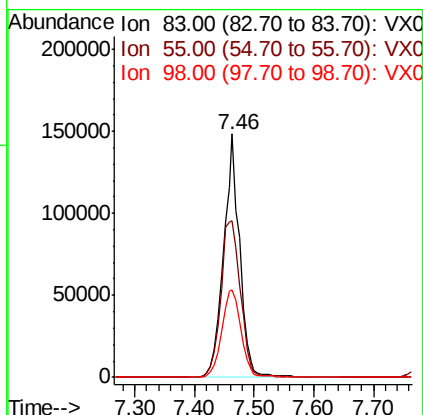
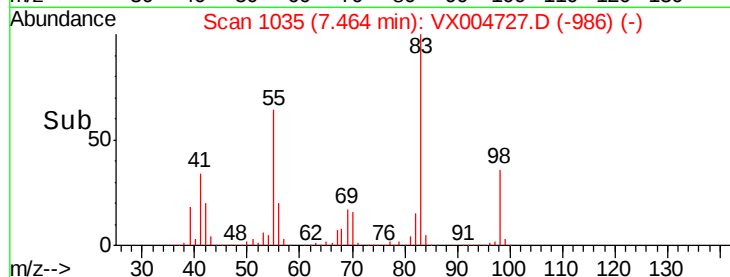
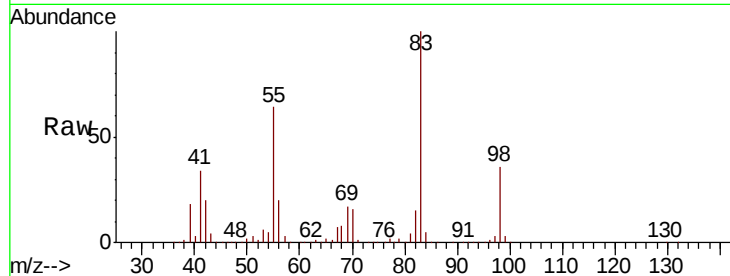
#39
Methvlcvclohexane
Concen: 60.177 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX004727.D
Acq: 26 Sep 2018 14:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX092618

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	64.1	61.0	91.4	
98	36.1	39.6	59.4	

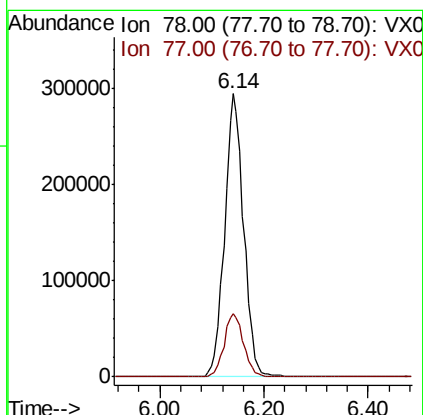
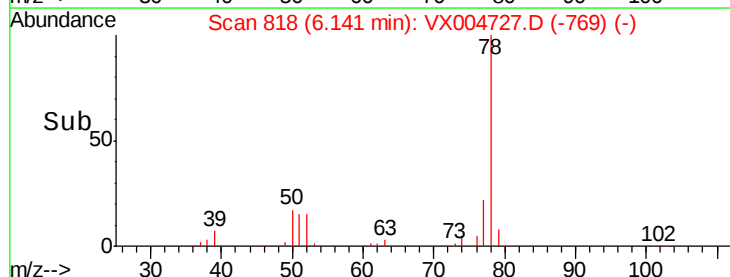
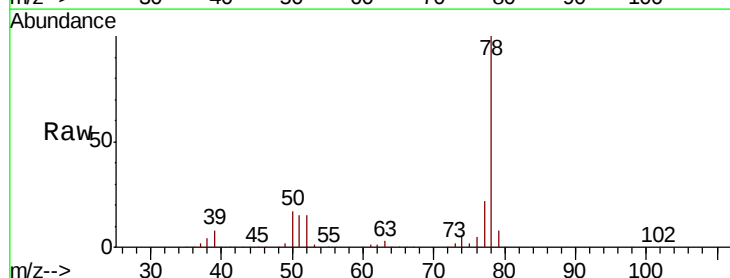
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#40
Benzene
Concen: 52.904 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004727.D
Acq: 26 Sep 2018 14:16

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	22.2	19.0	28.4	





#41

Methacrylonitrile

Concen: 53.887 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.00 min

Lab File: VX004727.D

Acq: 26 Sep 2018 14:16

Instrument :

MSVOA_X

ClientSampleId :

ICVVX092618

Tot Ion: 41 Resp: 180791

Ion Ratio Lower Upper

41 100

39 53.5 42.4 63.6

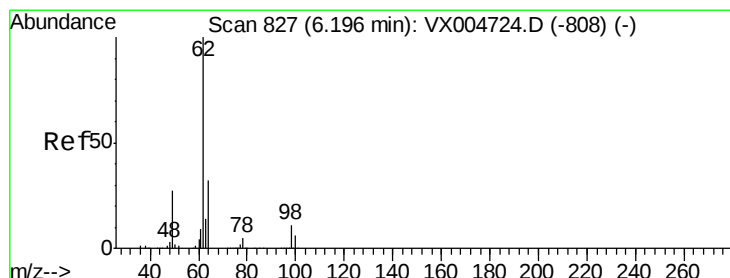
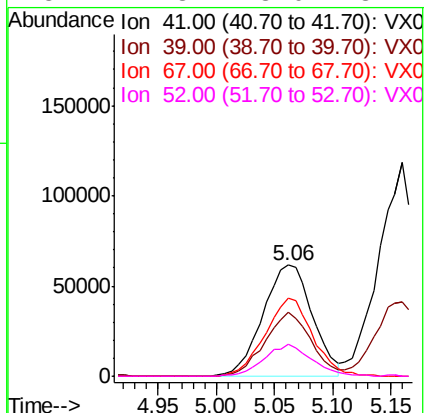
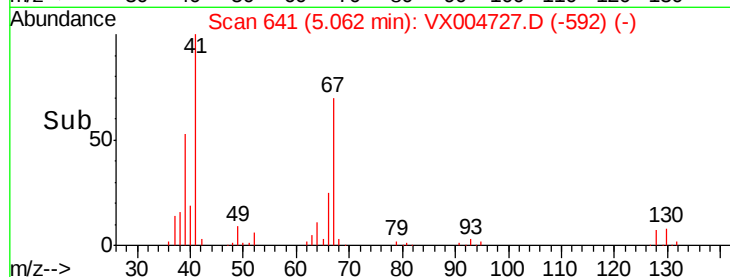
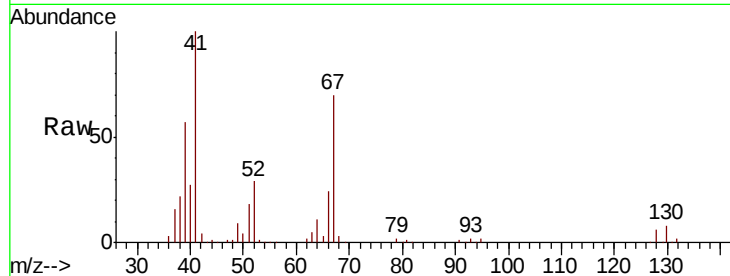
67 68.0 59.2 88.8

52 27.3 23.0 34.4

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#42

1,2-Dichloroethane

Concen: 50.676 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

Lab File: VX004727.D

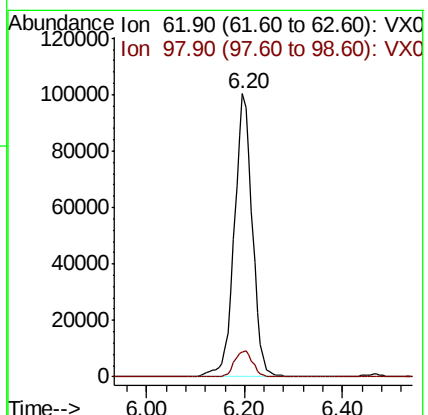
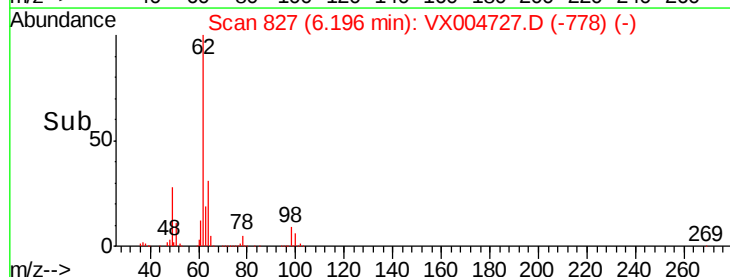
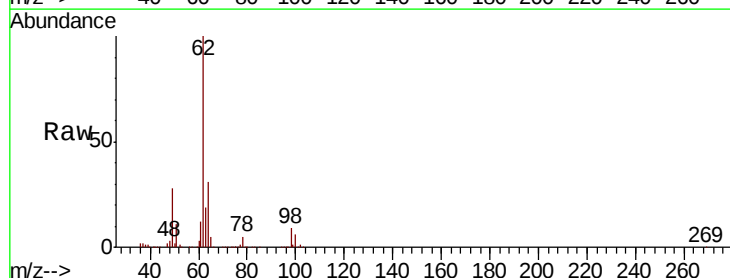
Acq: 26 Sep 2018 14:16

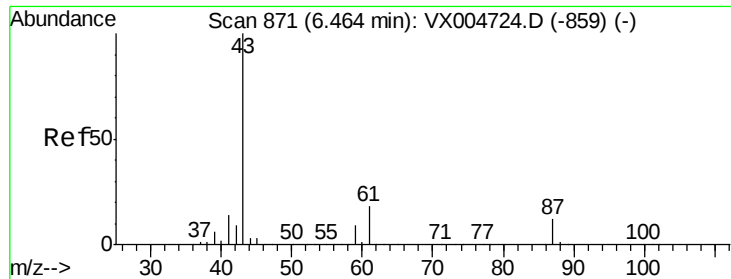
Tgt Ion: 62 Resp: 255608

Ion Ratio Lower Upper

62 100

98 9.4 0.0 20.6





#43

Isopropyl Acetate

Concen: 52.517 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.00 min

Lab File: VX004727.D

Acq: 26 Sep 2018 14:16

Instrument :

MSVOA_X

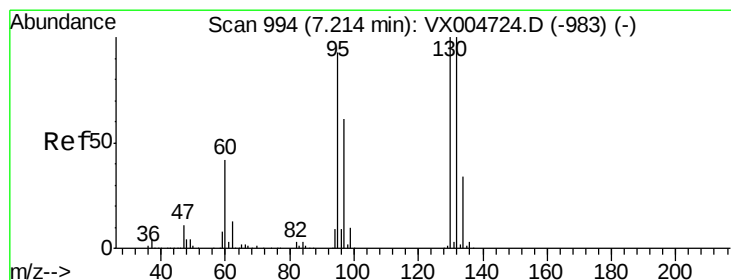
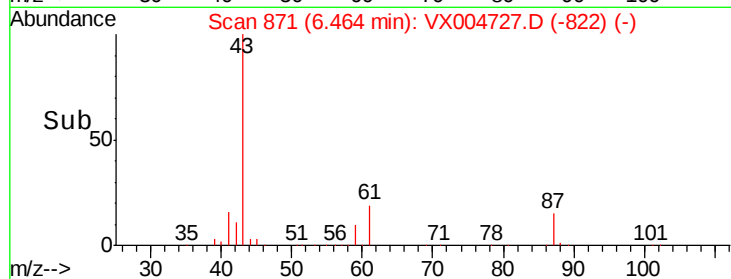
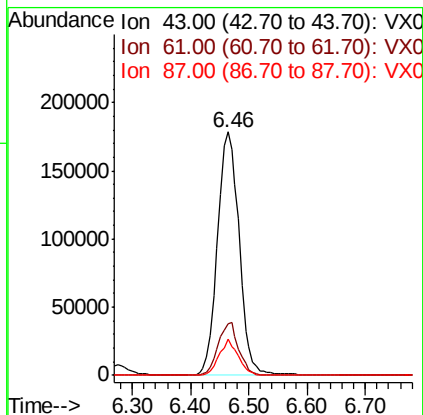
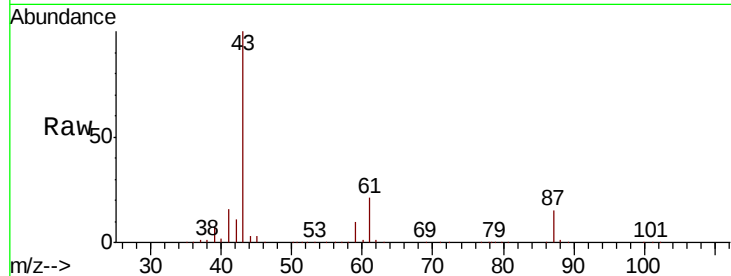
ClientSampleId :

ICVVX092618

Tot Ion:	43	Resp:	458566
Ion	Ratio	Lower	Upper
43	100		
61	20.9	17.0	25.4
87	13.1	11.4	17.2

Manual Integrations
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10/1/2018 1:31:00 PM



#44

Trichloroethene

Concen: 50.620 ug/l

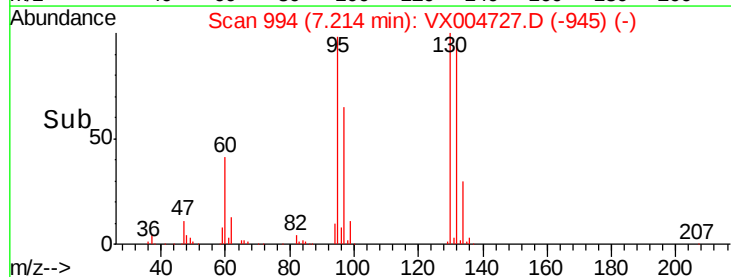
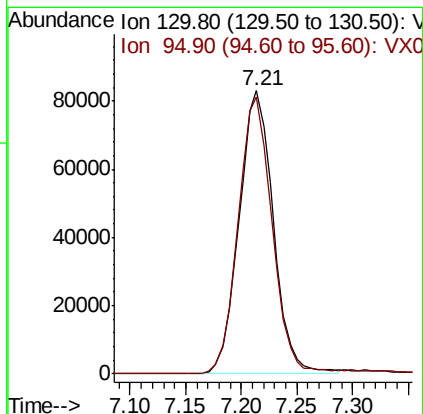
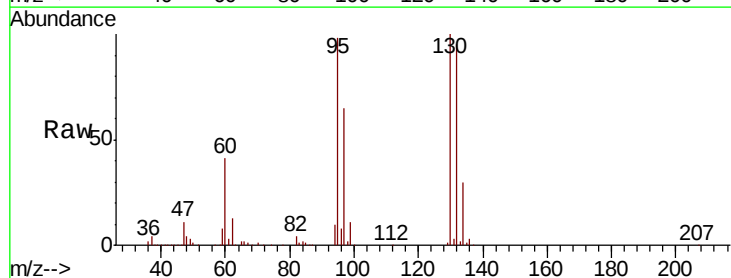
RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX004727.D

Acq: 26 Sep 2018 14:16

Tgt Ion:	130	Resp:	177551
Ion	Ratio	Lower	Upper
130	100		
95	97.9	0.0	181.6





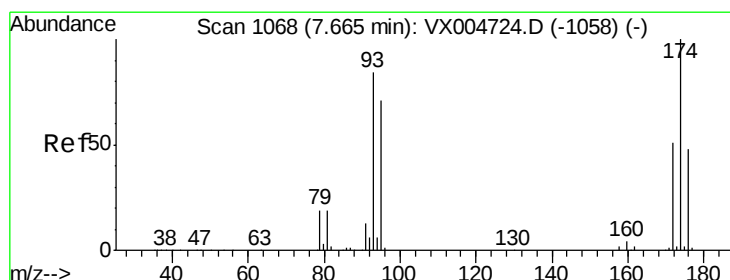
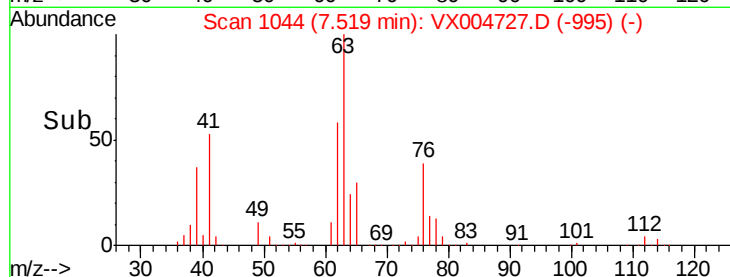
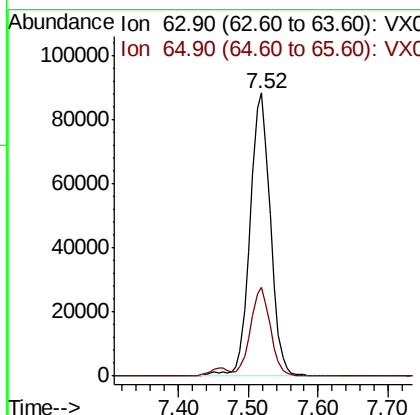
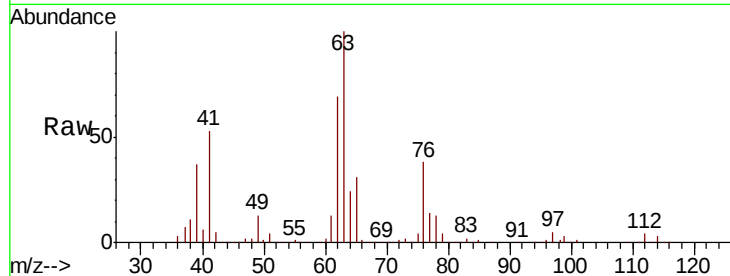
#45
 1,2-Dichloropropane
 Concen: 51.247 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX004727.D
 Acq: 26 Sep 2018 14:16

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX092618

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.3	36.5

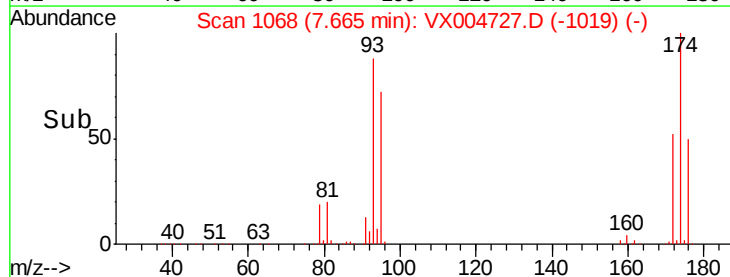
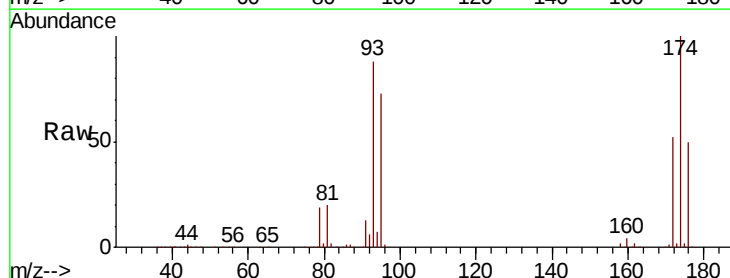
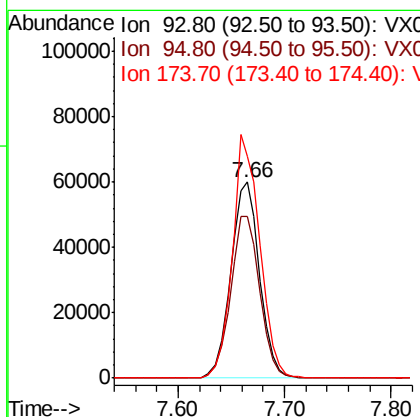
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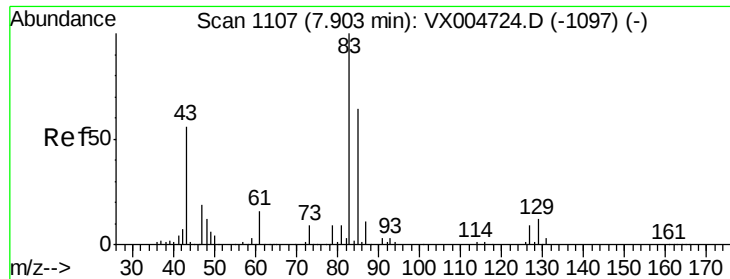
MMDadoda
 10/1/2018 1:31:00 PM



#46
 Dibromomethane
 Concen: 51.537 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX004727.D
 Acq: 26 Sep 2018 14:16

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.1	65.5	98.3
174	118.3	94.2	141.4





#47

Bromodichloromethane

Concen: 52.618 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX004727.D

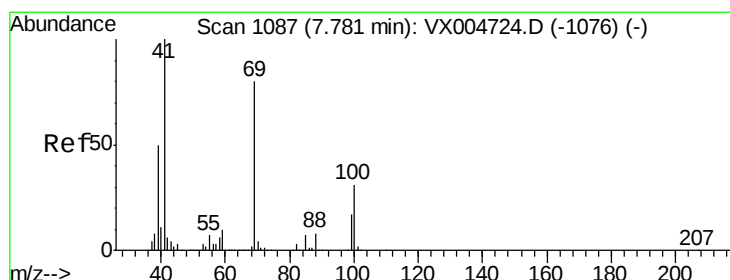
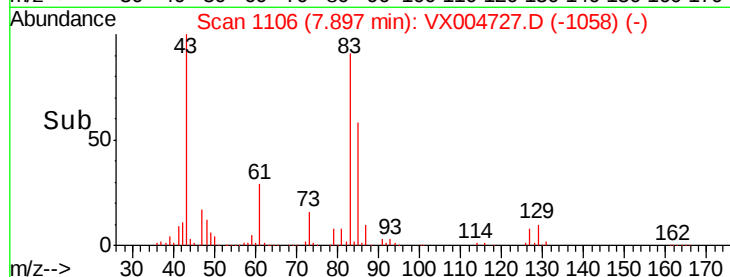
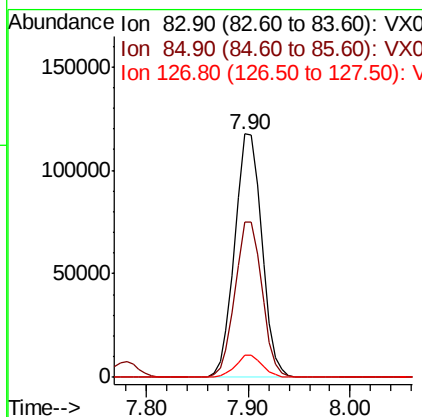
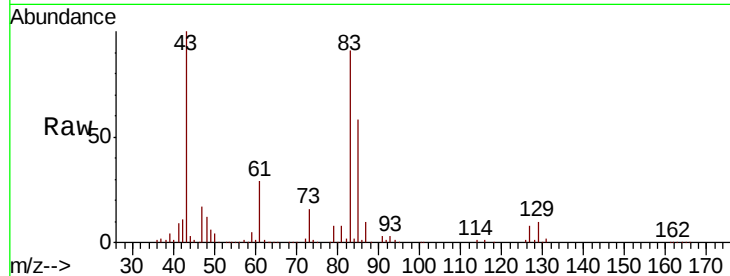
Acq: 26 Sep 2018 14:16

Tot Ion:	83	Resp:	216632
Ion Ratio	Lower	Upper	
83	100		
85	63.6	50.9	76.3
127	9.3	7.3	10.9

Instrument :
MSVOA_X
ClientSampleId :
ICVVX092618

Manual Integrations
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#48

Methyl methacrylate

Concen: 57.184 ug/l

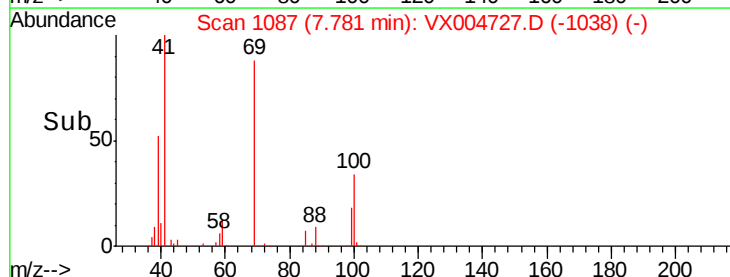
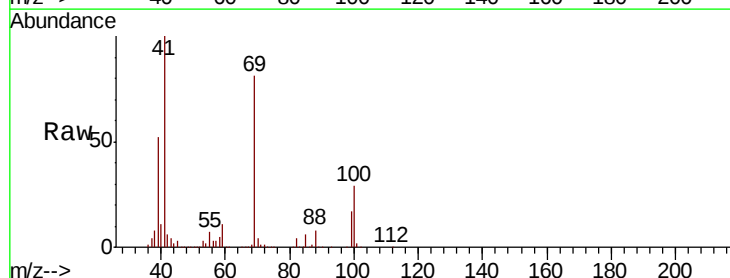
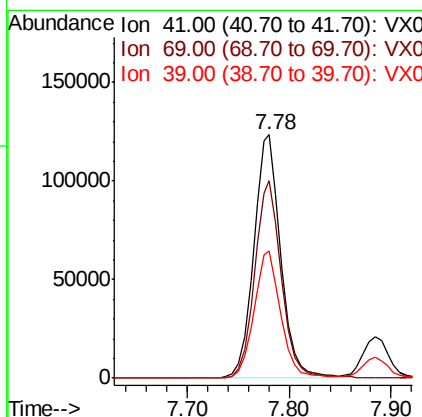
RT: 7.78 min Scan# 1087

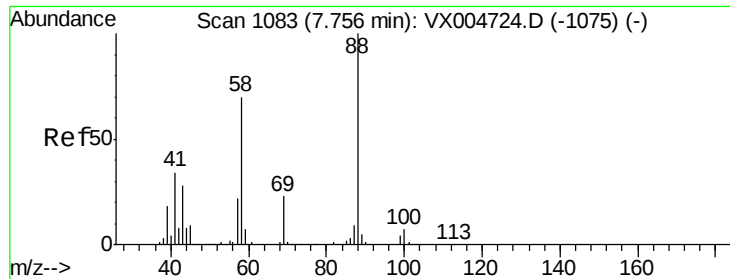
Delta R.T. -0.00 min

Lab File: VX004727.D

Acq: 26 Sep 2018 14:16

Tgt Ion:	41	Resp:	226631
Ion Ratio	Lower	Upper	
41	100		
69	80.9	70.2	105.4
39	51.8	42.7	64.1





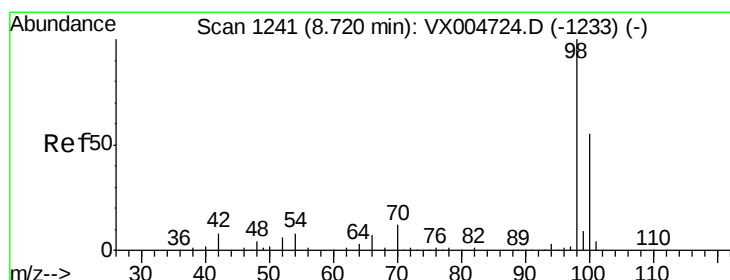
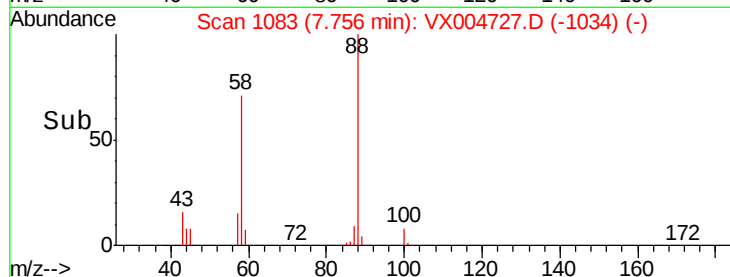
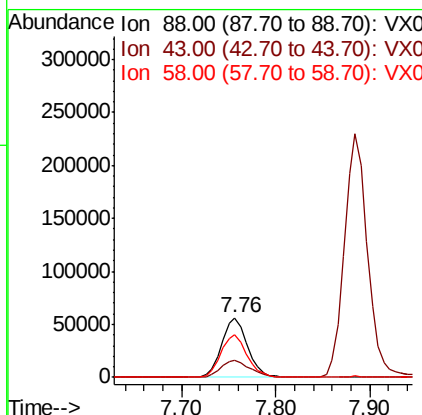
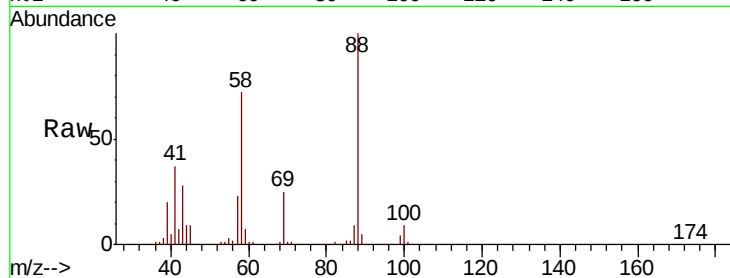
#49
 1,4-Dioxane
 Concen: 1081.318 ug/l
 RT: 7.76 min Scan# 1083
 Delta R.T. -0.00 min
 Lab File: VX004727.D
 Acq: 26 Sep 2018 14:16

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX092618

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.3	24.7	37.1
58	72.8	55.3	82.9

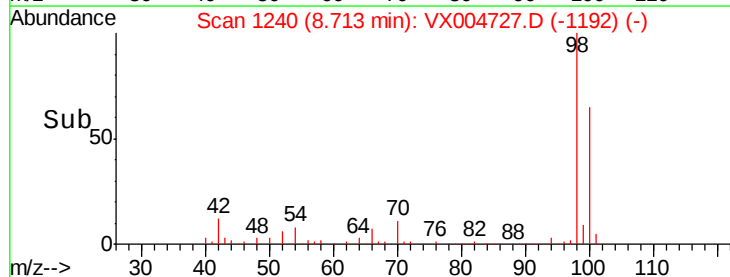
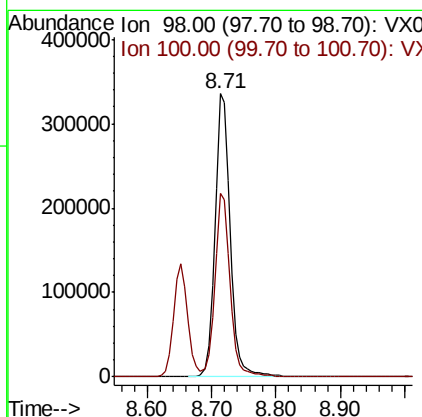
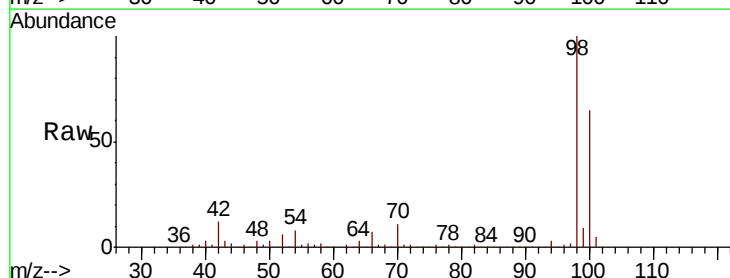
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#50
 Toluene-d8
 Concen: 50.206 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.01 min
 Lab File: VX004727.D
 Acq: 26 Sep 2018 14:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.9	79.3





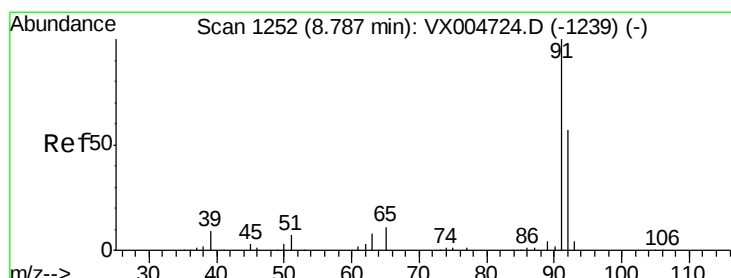
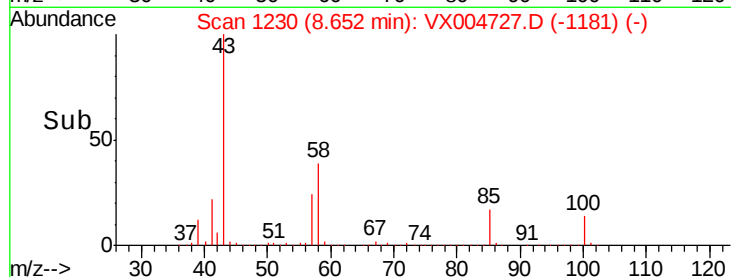
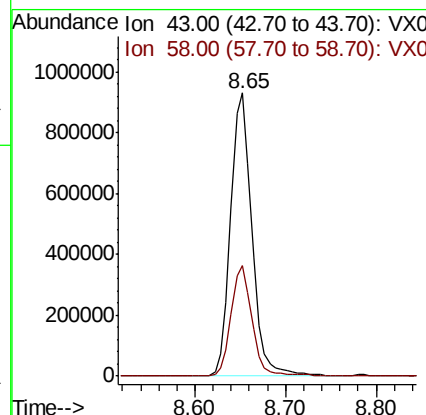
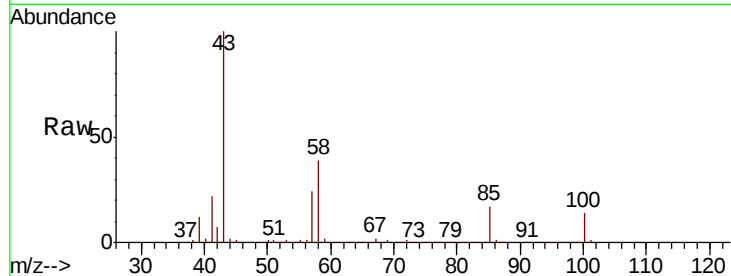
#51
4-Methyl-2-Pentanone
Concen: 277.110 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VX004727.D
Acq: 26 Sep 2018 14:16

Instrument :
MSVOA_X
ClientSampled :
ICVVX092618

Tot Ion: 43 Resp: 1523520
Ion Ratio Lower Upper
43 100
58 38.8 33.1 49.7

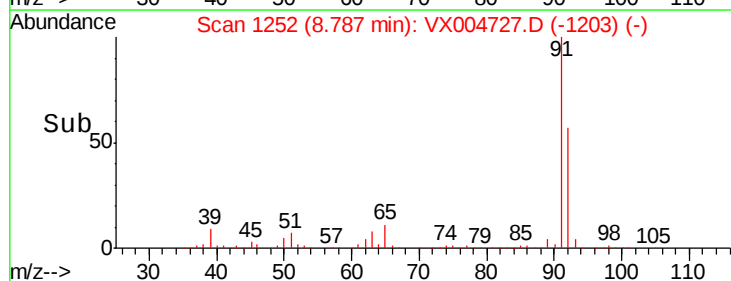
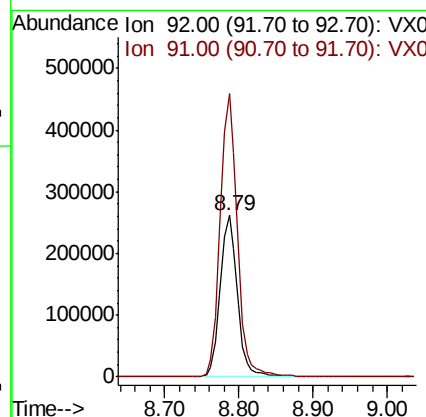
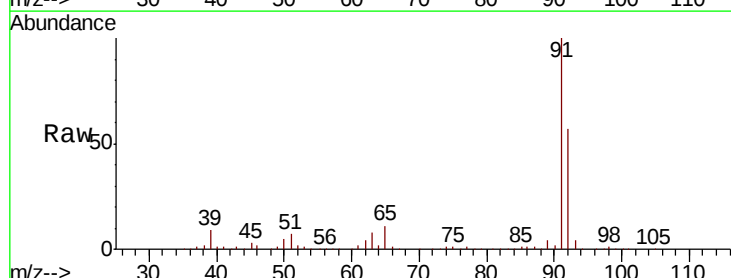
Manual Integrations
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#52
Toluene
Concen: 52.933 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX004727.D
Acq: 26 Sep 2018 14:16

Tgt Ion: 92 Resp: 414999
Ion Ratio Lower Upper
92 100
91 175.5 136.4 204.6





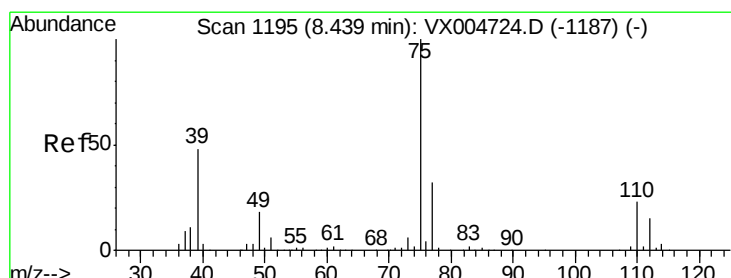
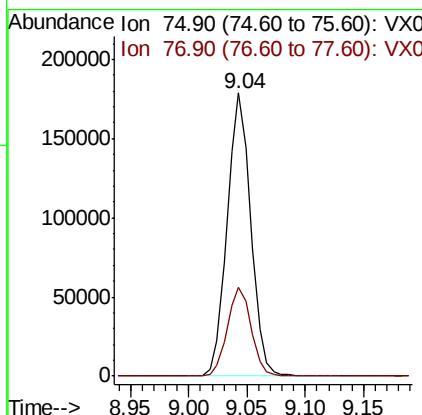
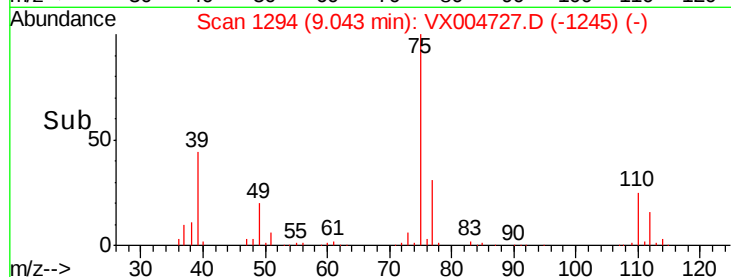
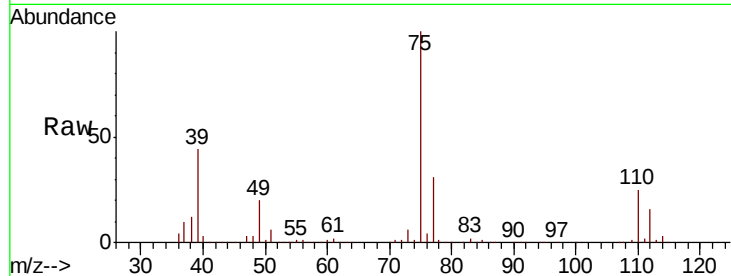
#53
t-1,3-Dichloropropene
Concen: 54.101 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX004727.D
Acq: 26 Sep 2018 14:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX092618

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.6	37.0

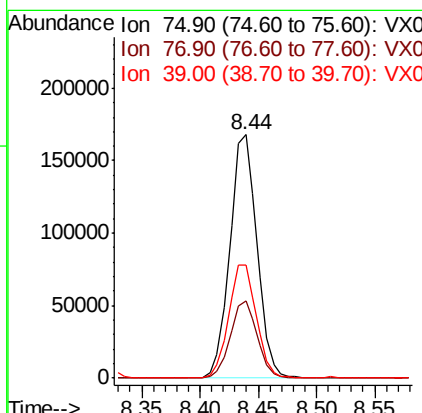
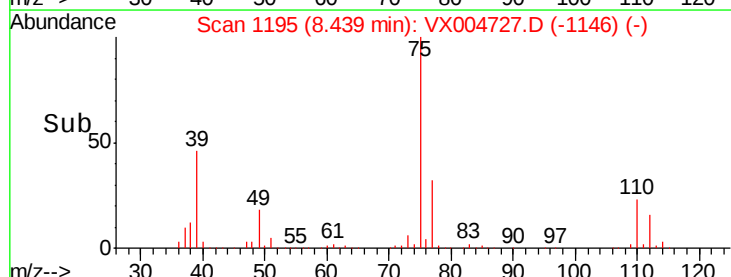
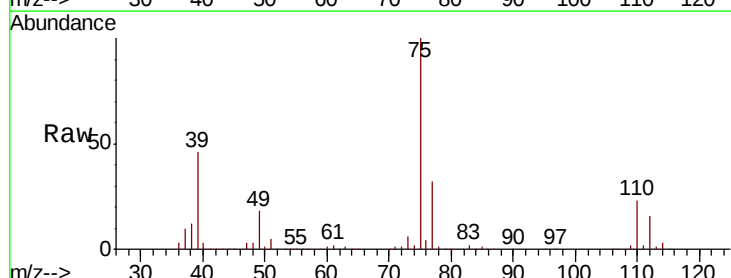
Manual Integrations
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#54
cis-1,3-Dichloropropene
Concen: 55.878 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX004727.D
Acq: 26 Sep 2018 14:16

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	26.2	39.2
39	46.2	36.4	54.6





#55

1,1,2-Trichloroethane

Concen: 49.730 ug/l

RT: 9.22 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004727.D

Acq: 26 Sep 2018 14:16

Instrument :

MSVOA_X

ClientSampleId :

ICVVX092618

Tot Ion: 97 Resp: 170783

Ion Ratio Lower Upper

97 100

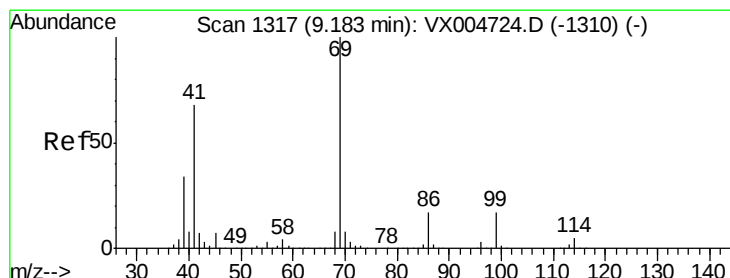
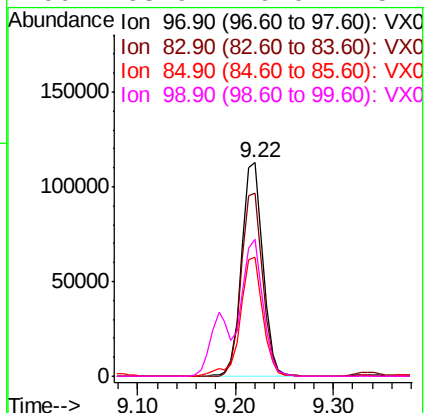
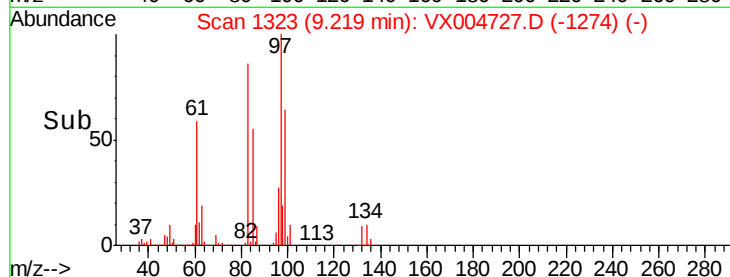
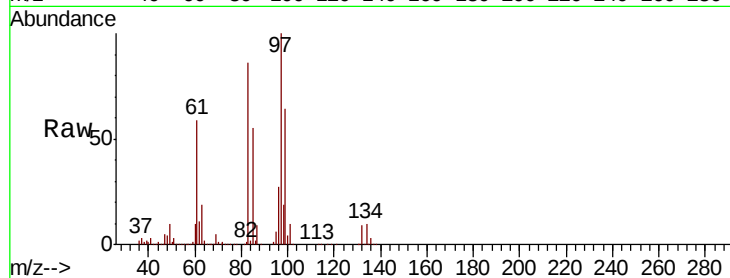
83 85.7 66.4 99.6

85 55.5 43.3 64.9

99 63.9 49.0 73.4

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#56

Ethyl methacrylate

Concen: 48.908 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VX004727.D

Acq: 26 Sep 2018 14:16

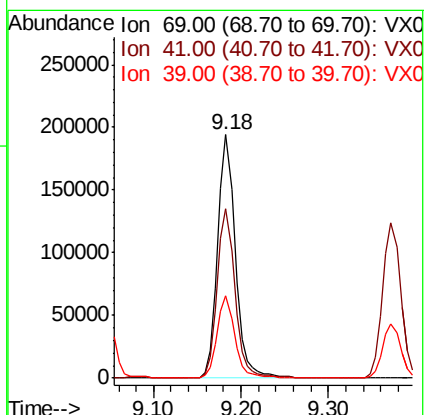
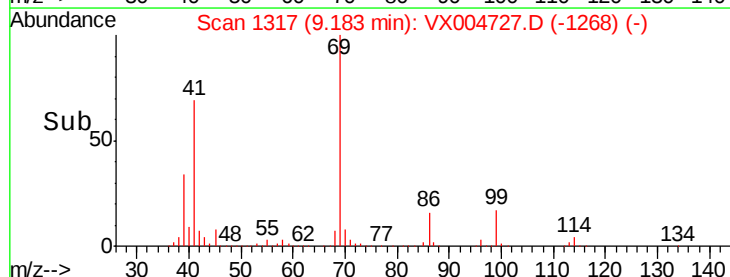
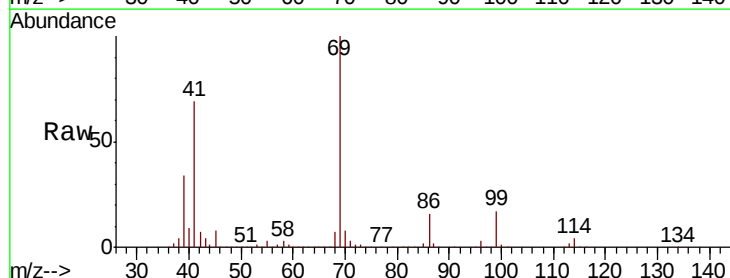
Tgt Ion: 69 Resp: 272184

Ion Ratio Lower Upper

69 100

41 70.4 51.0 76.4

39 33.8 26.1 39.1





#57

1,3-Dichloropropane

Concen: 50.774 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX004727.D

Acq: 26 Sep 2018 14:16

Instrument :

MSVOA_X

ClientSampleId :

ICVVX092618

Tot Ion: 76 Resp: 290208

Ion Ratio Lower Upper

76 100

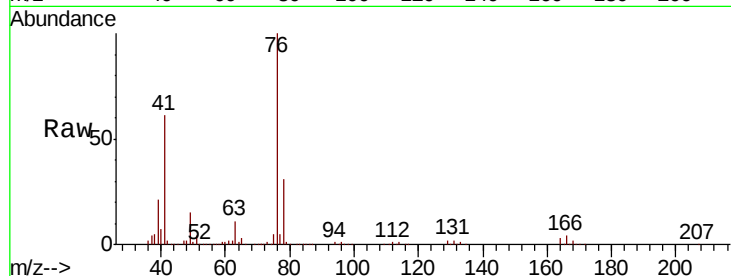
78 31.8 25.5 38.3

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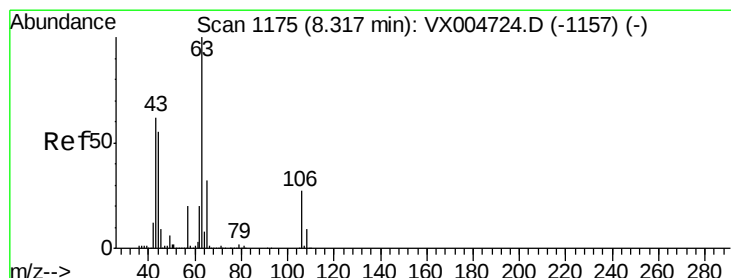
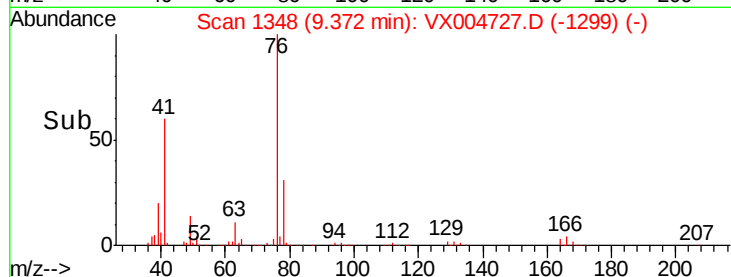
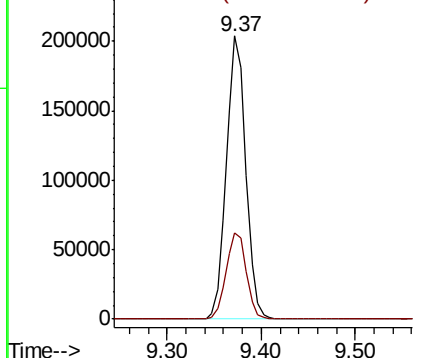
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 256.841 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VX004727.D

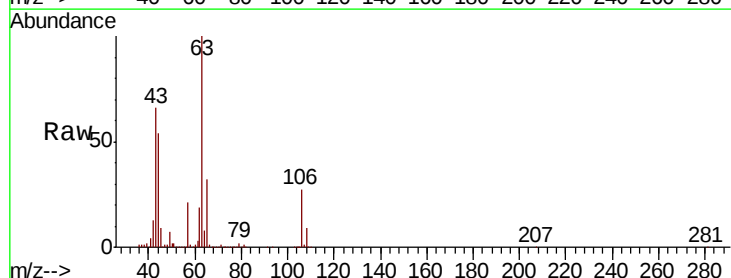
Acq: 26 Sep 2018 14:16

Tgt Ion: 63 Resp: 761232

Ion Ratio Lower Upper

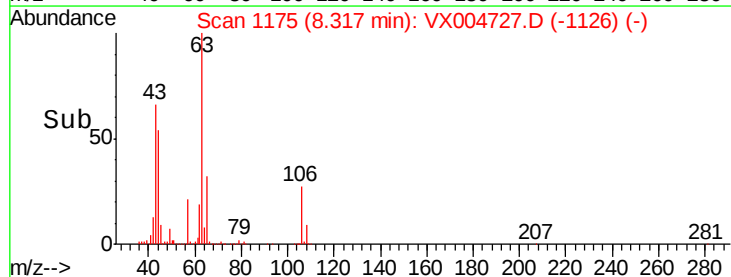
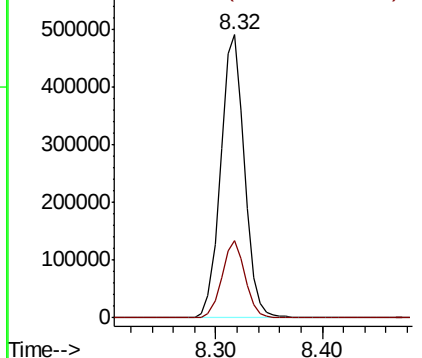
63 100

106 27.0 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





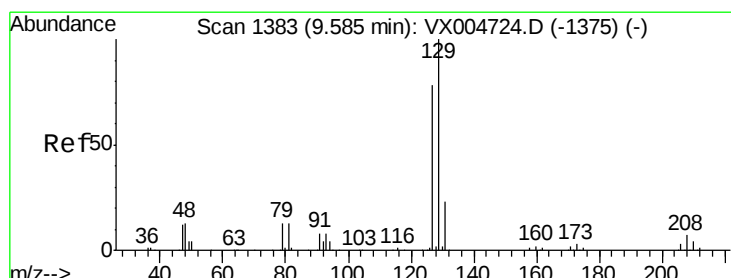
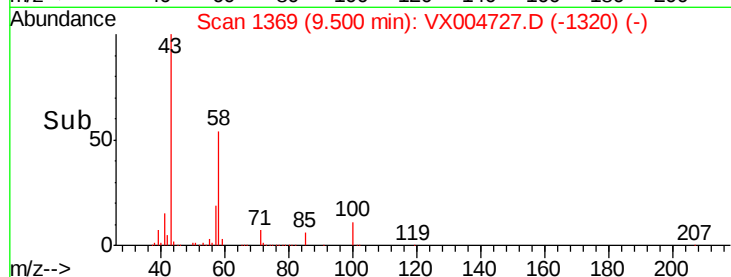
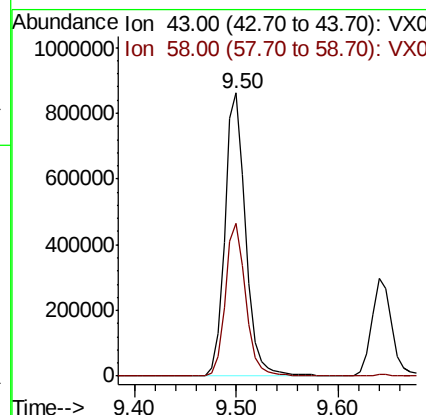
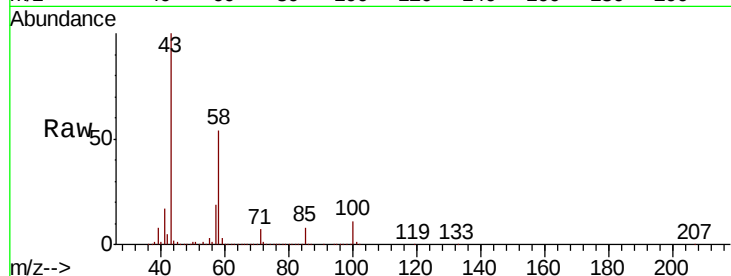
#59
2-Hexanone
Concen: 267.588 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX004727.D
Acq: 26 Sep 2018 14:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX092618

Tot Ion: 43 Resp: 1225954
Ion Ratio Lower Upper
43 100
58 53.3 29.0 87.0

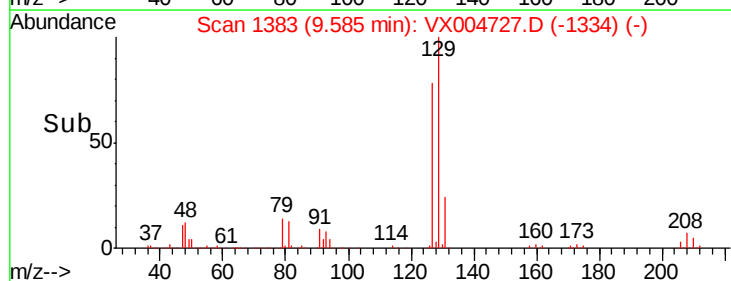
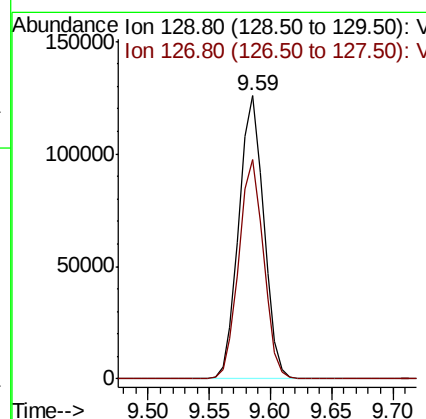
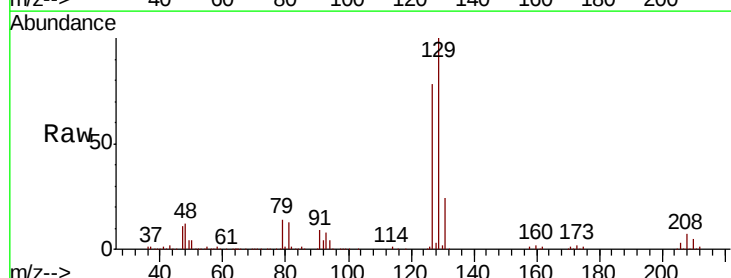
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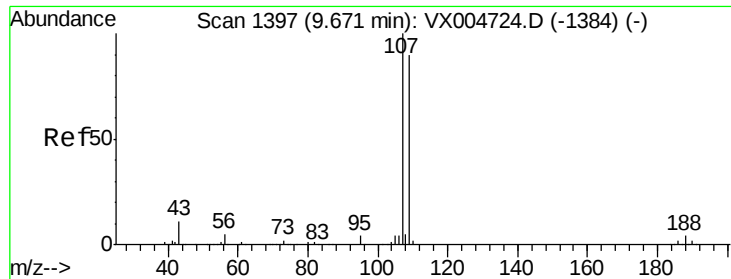
MMDadoda
10/1/2018 1:31:00 PM



#60
Dibromochloromethane
Concen: 51.644 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX004727.D
Acq: 26 Sep 2018 14:16

Tgt Ion: 129 Resp: 177369
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.5





#61

1,2-Dibromoethane

Concen: 48.234 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX004727.D

Acq: 26 Sep 2018 14:16

Instrument :

MSVOA_X

ClientSampled :

ICVVX092618

Tot Ion:107 Resp: 177398

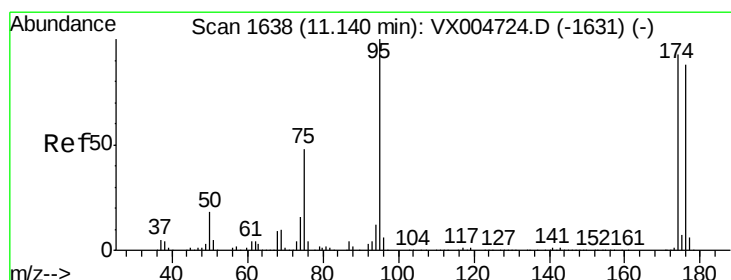
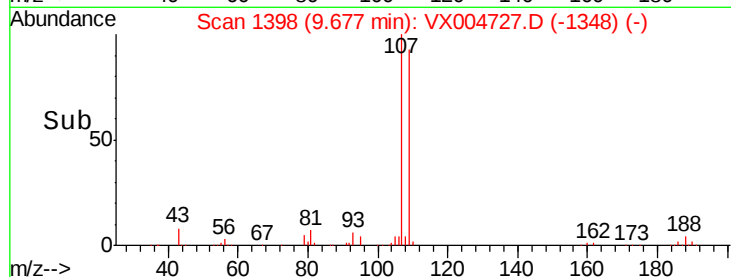
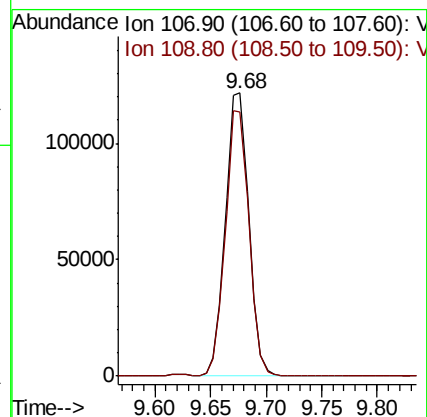
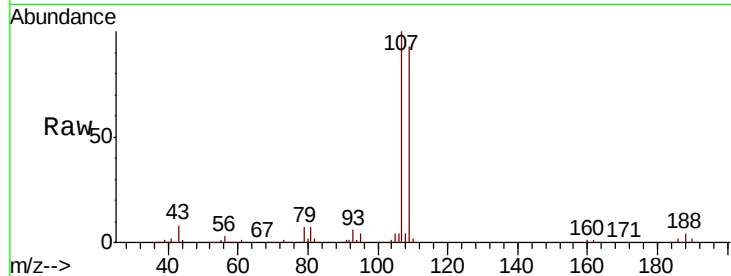
Ion Ratio Lower Upper

107 100

109 94.5 76.0 114.0

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 52.149 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004727.D

Acq: 26 Sep 2018 14:16

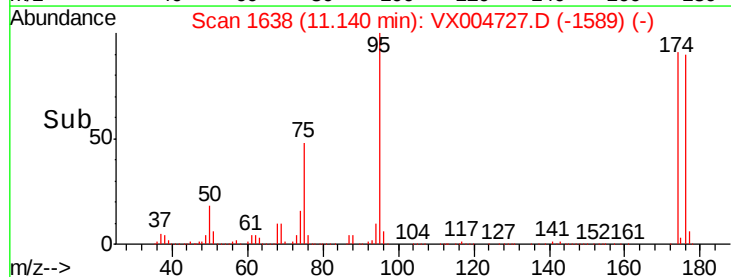
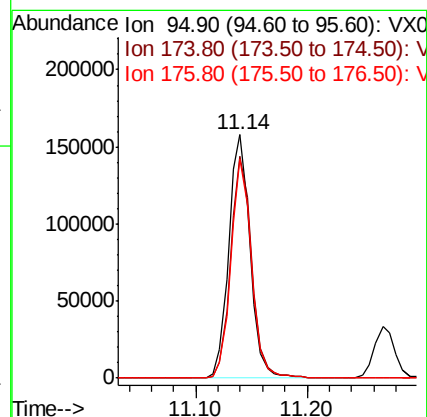
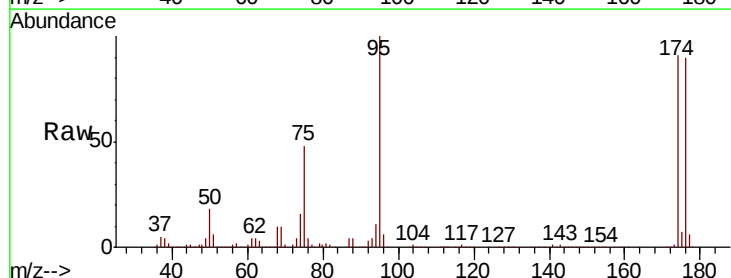
Tgt Ion: 95 Resp: 208629

Ion Ratio Lower Upper

95 100

174 90.2 0.0 185.2

176 87.2 0.0 178.6





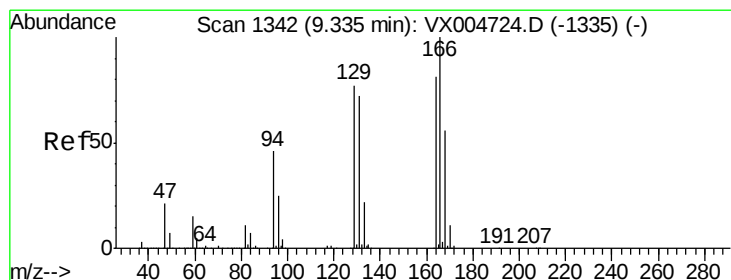
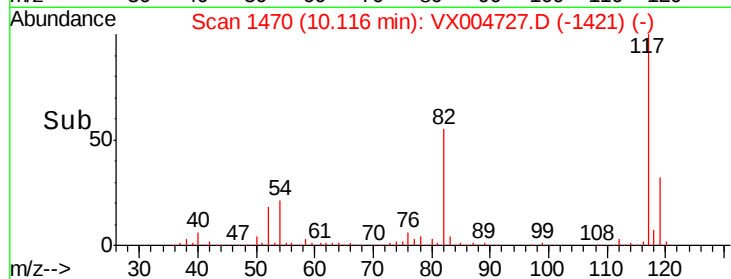
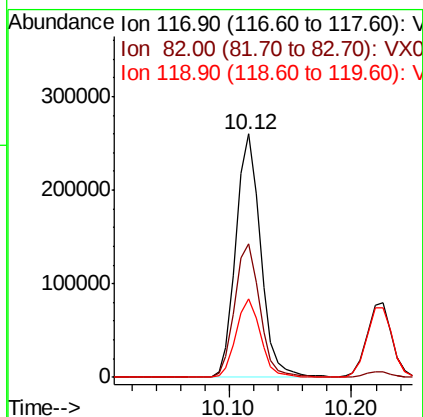
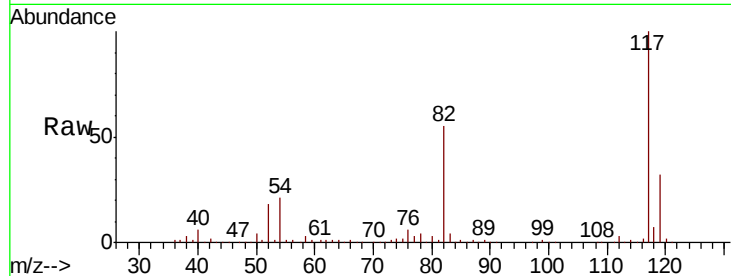
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004727.D
Acq: 26 Sep 2018 14:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX092618

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	47.8	71.6
119	32.2	29.3	43.9

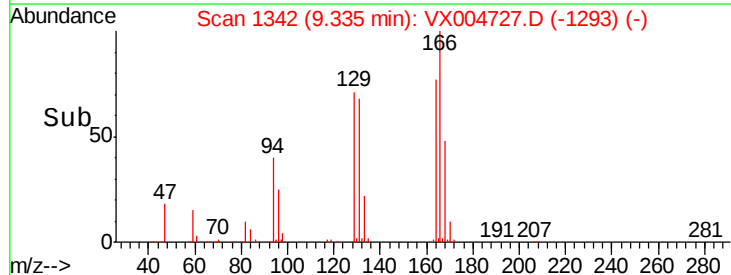
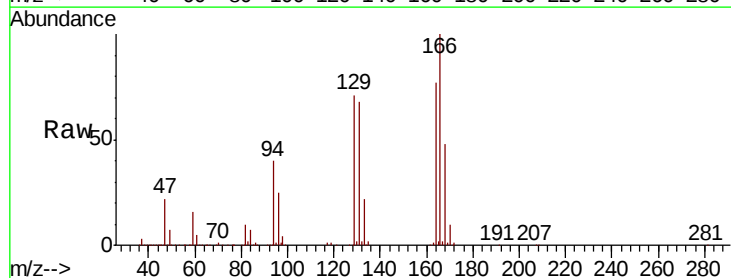
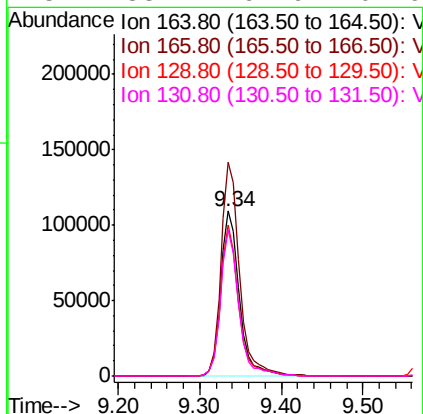
Manual Integrations
APPROVED

MMDadoda
10/1/2018 1:31:00 PM



#64
Tetrachloroethene
Concen: 48.331 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004727.D
Acq: 26 Sep 2018 14:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	102.8	154.2
129	91.5	69.4	104.0
131	88.7	67.9	101.9





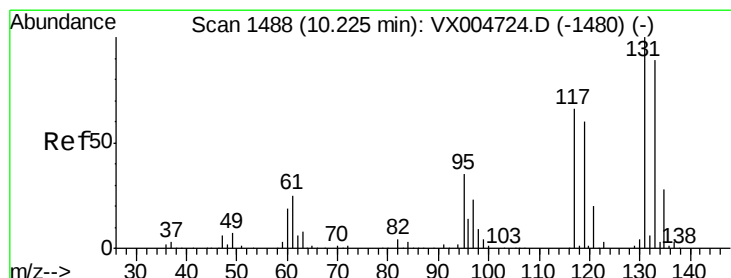
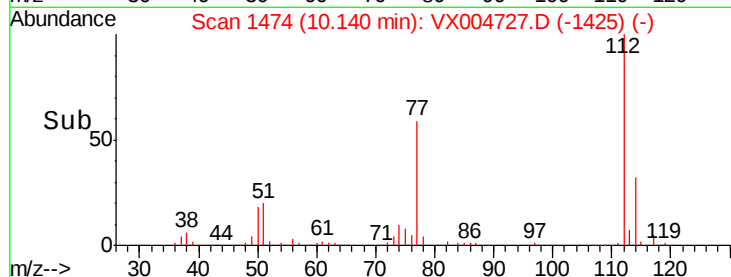
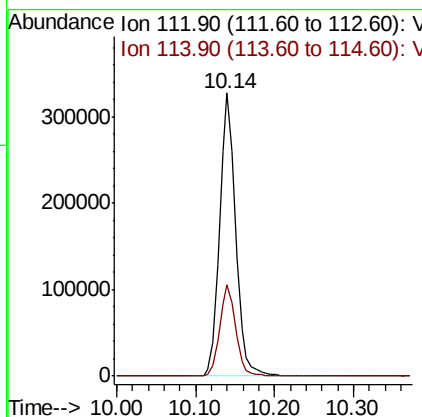
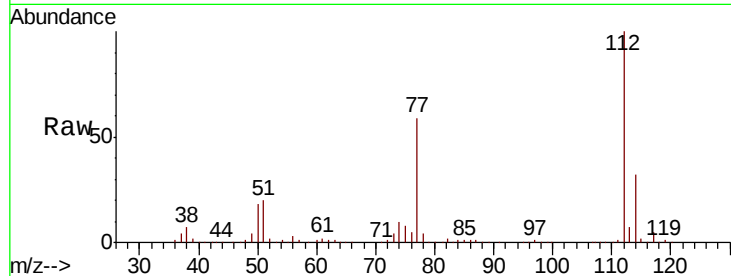
#65
Chlorobenzene
Concen: 49.902 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX004727.D
Acq: 26 Sep 2018 14:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX092618

Tot Ion:112 Resp: 465053
Ion Ratio Lower Upper
112 100
114 32.2 27.8 41.8

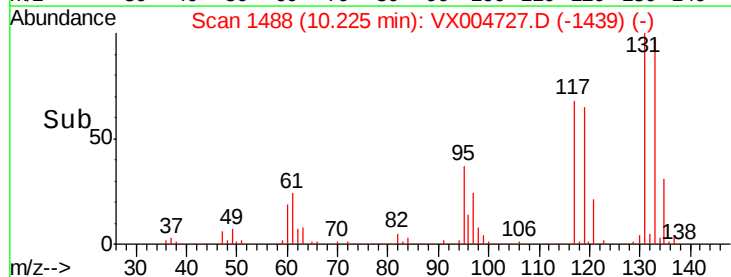
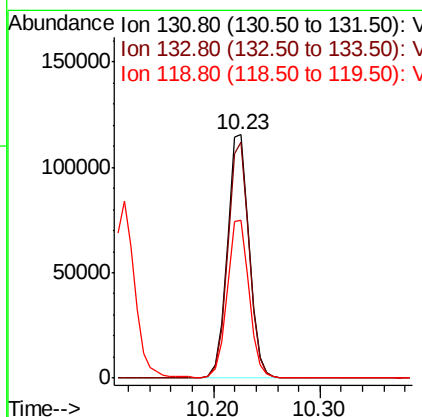
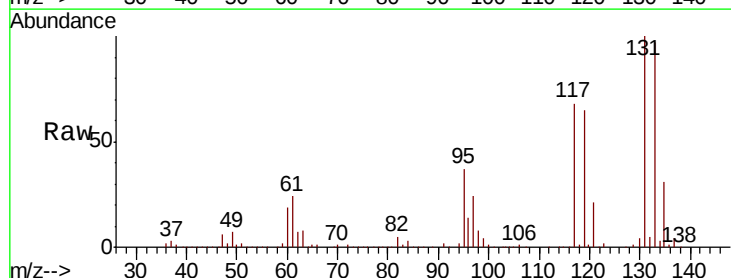
Manual Integrations
APPROVED

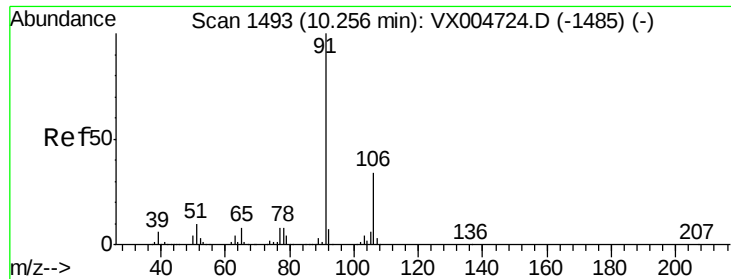
MMDadoda
10/1/2018 1:31:00 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.535 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VX004727.D
Acq: 26 Sep 2018 14:16

Tgt Ion:131 Resp: 165567
Ion Ratio Lower Upper
131 100
133 95.4 48.1 144.4
119 65.3 32.9 98.6





#67

Ethyl Benzene

Concen: 53.633 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VX004727.D

Acq: 26 Sep 2018 14:16

Instrument :

MSVOA_X

ClientSampled :

ICVVX092618

Tot Ion: 91 Resp: 793533

Ion Ratio Lower Upper

91 100

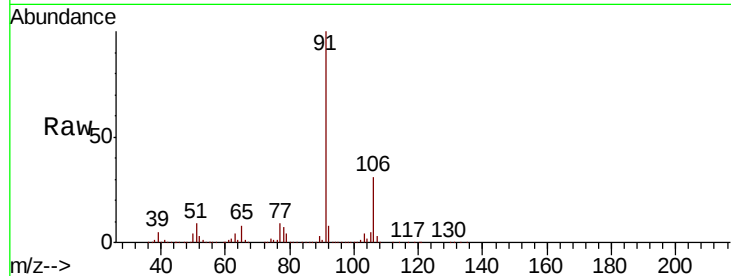
106 31.0 25.9 38.9

Manual Integrations

APPROVED

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10/1/2018 1:31:00 PM



Abundance Ion 91.00 (90.70 to 91.70): VX004727.D (-1485) (-)

Ion 106.00 (105.70 to 106.70): VX004727.D (-1485) (-)

1000000

800000

600000

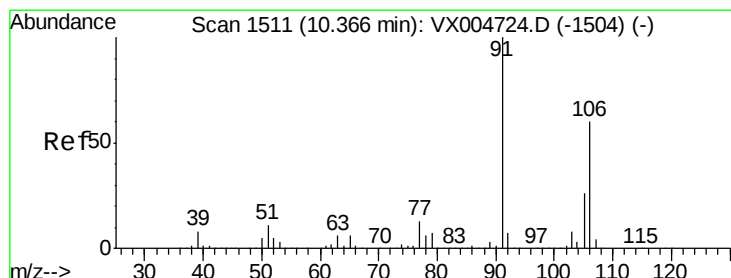
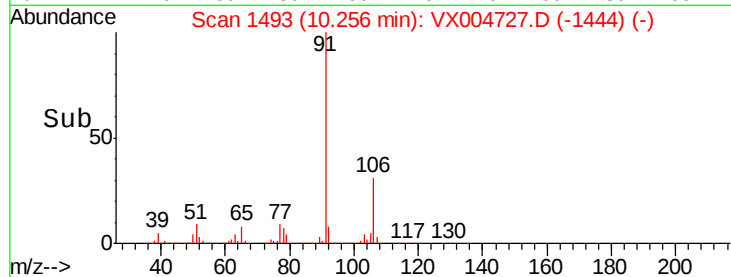
400000

200000

0

10.20 10.26 10.30

Time-->



#68

m/p-Xylenes

Concen: 108.351 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VX004727.D

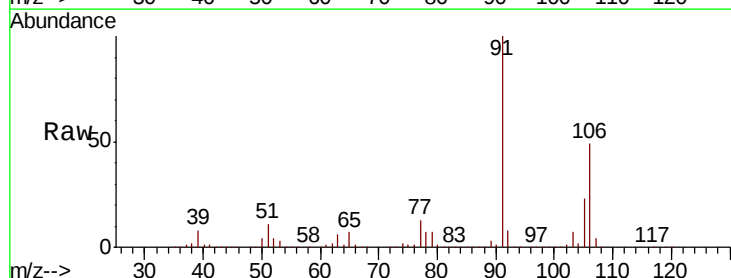
Acq: 26 Sep 2018 14:16

Tgt Ion: 106 Resp: 626451

Ion Ratio Lower Upper

106 100

91 203.5 157.1 235.7



Abundance Ion 106.00 (105.70 to 106.70): VX004727.D (-1504) (-)

Ion 91.00 (90.70 to 91.70): VX004727.D (-1504) (-)

1000000

800000

600000

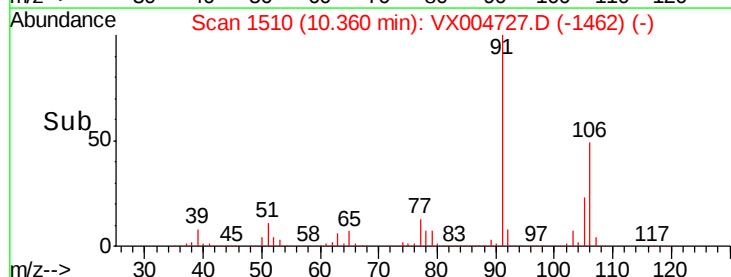
400000

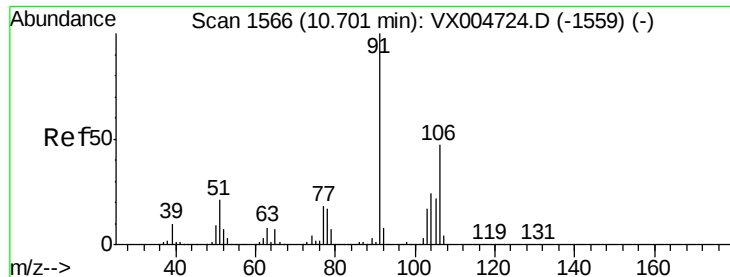
200000

0

10.30 10.36 10.40 10.50

Time-->





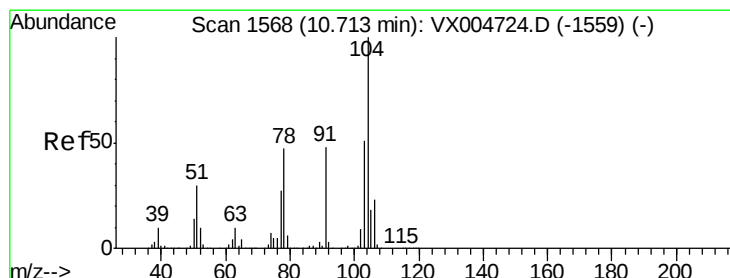
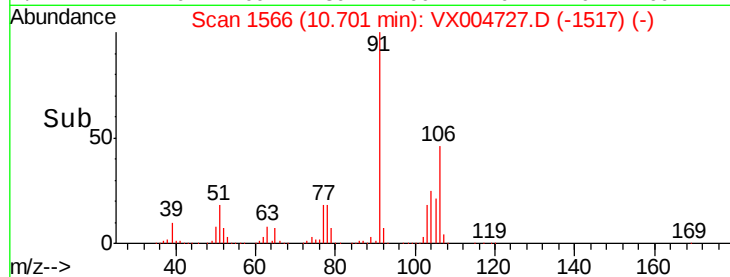
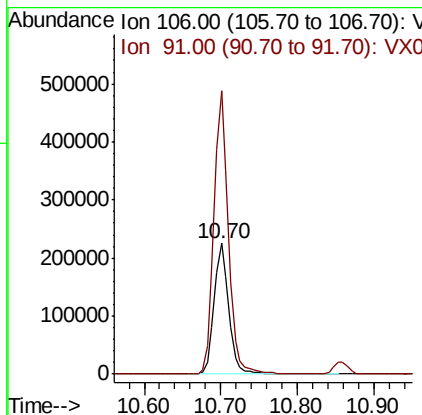
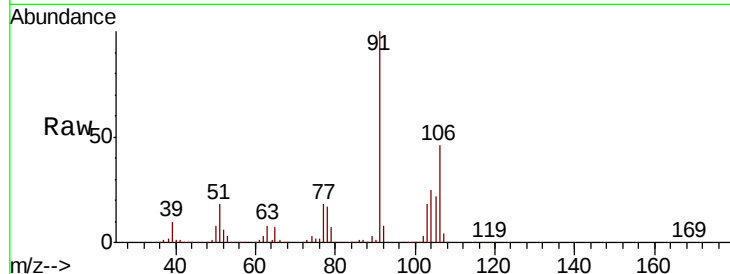
#69
o-Xylene
Concen: 56.214 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004727.D
Acq: 26 Sep 2018 14:16

Instrument :
MSVOA_X
ClientSampled :
ICVVX092618

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.1	105.1	315.1

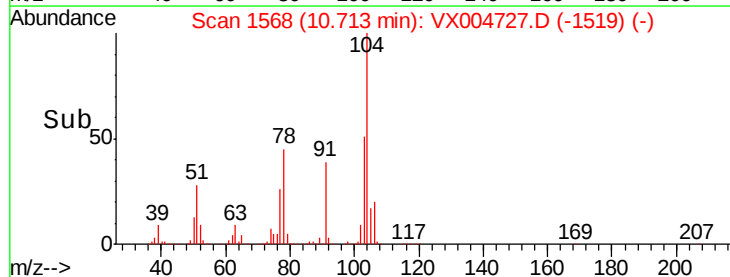
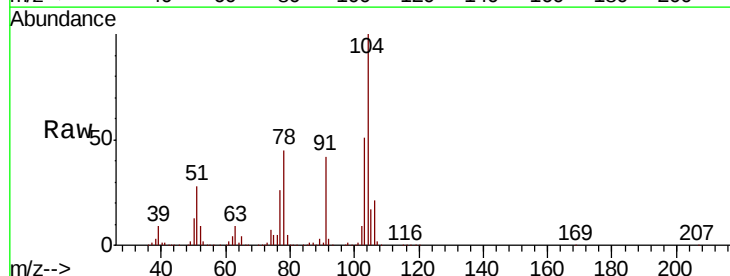
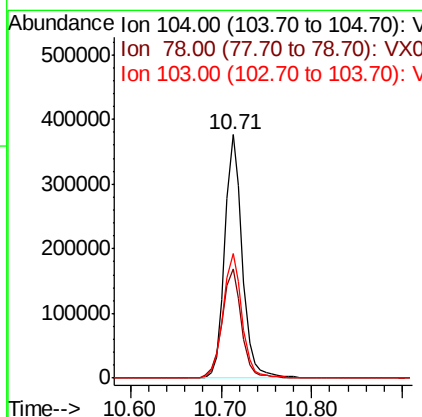
Manual Integrations
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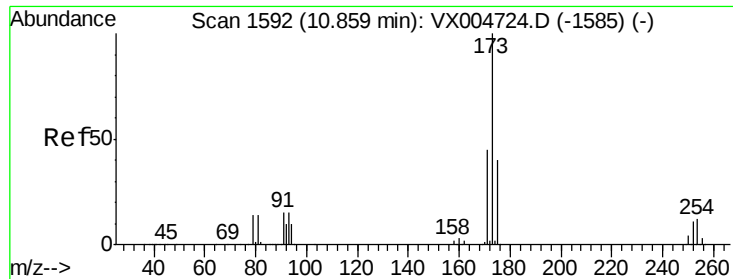
MMDadoda
10/1/2018 1:31:00 PM



#70
Styrene
Concen: 50.886 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004727.D
Acq: 26 Sep 2018 14:16

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.8	37.4	56.0
103	55.8	43.8	65.6





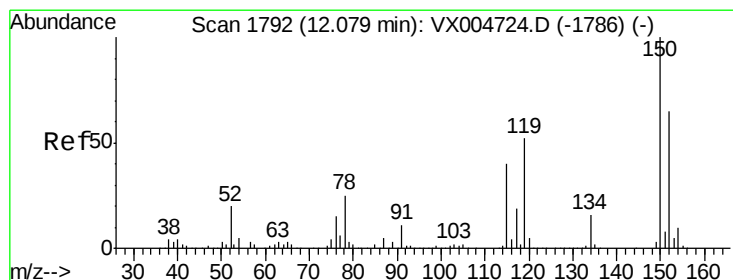
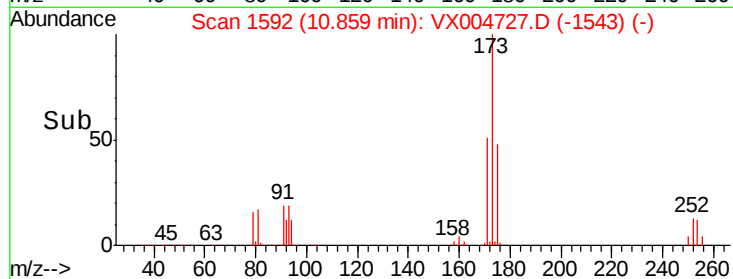
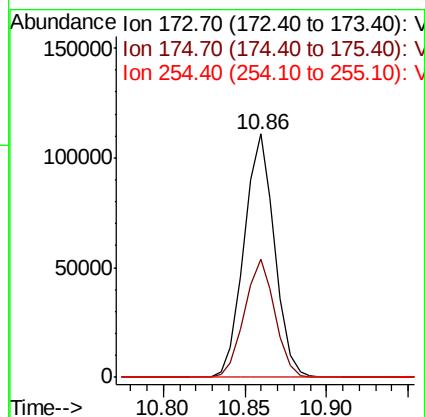
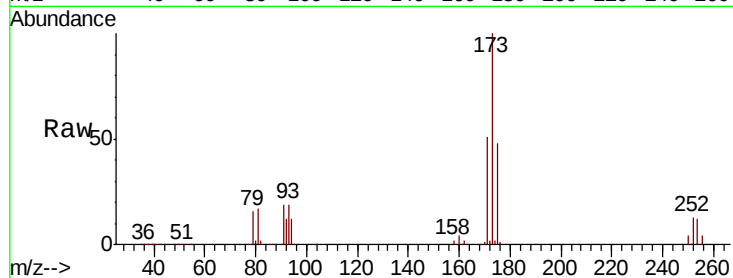
#71
Bromoform
Concen: 51.373 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX004727.D
Acq: 26 Sep 2018 14:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX092618

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.1	72.3
254	0.2	0.2	0.2

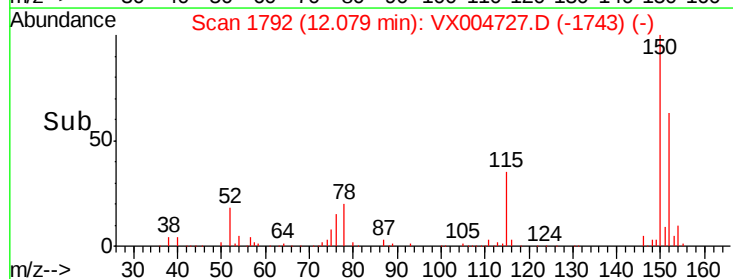
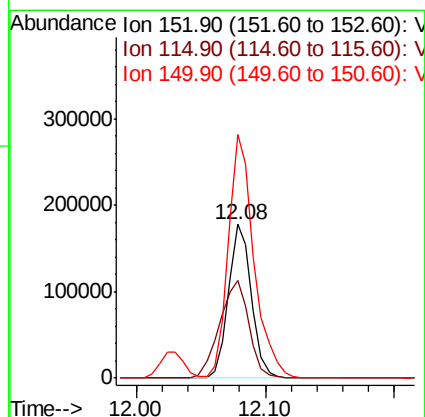
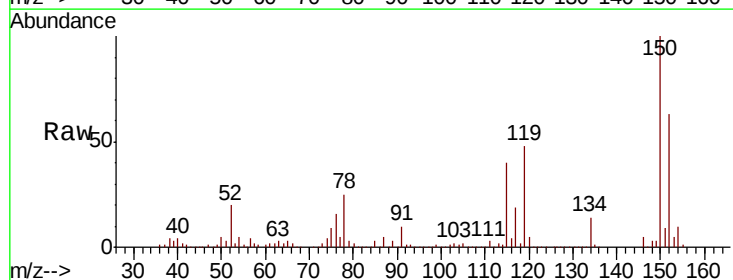
Manual Integrations
APPROVED

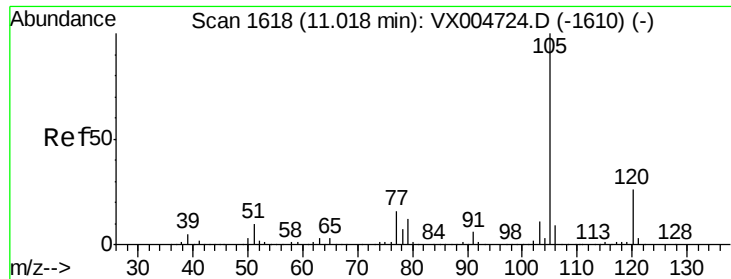
MMDadoda
10/1/2018 1:31:00 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004727.D
Acq: 26 Sep 2018 14:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	80.6	39.0	117.0
150	176.1	0.0	351.0





#73

Isopropylbenzene

Concen: 56.237 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004727.D

Acq: 26 Sep 2018 14:16

Instrument :

MSVOA_X

ClientSampleId :

ICVVX092618

Tot Ion: 105 Resp: 793472

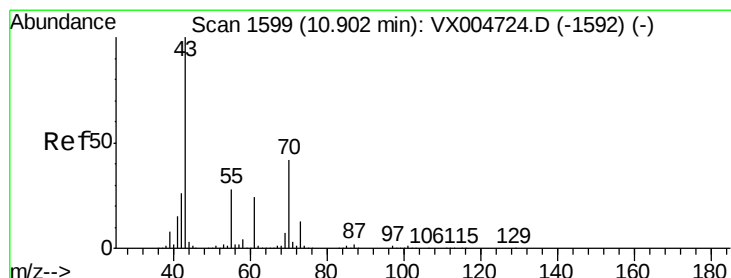
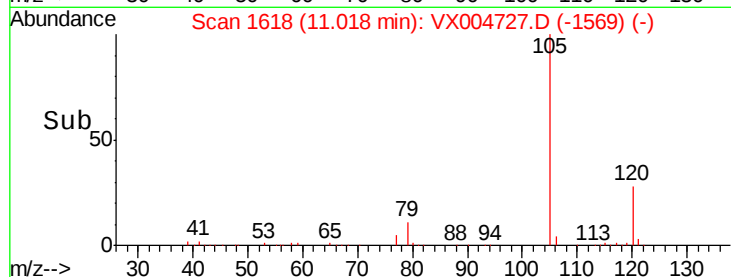
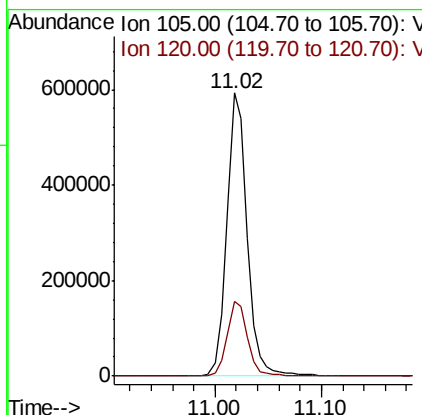
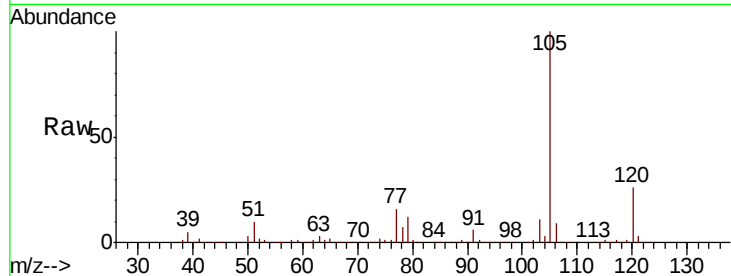
Ion Ratio Lower Upper

105 100

120 26.8 13.5 40.4

Manual Integrations
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10/1/2018 1:31:00 PM



#74

N-ethyl acetate

Concen: 50.419 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX004727.D

Acq: 26 Sep 2018 14:16

Tgt Ion: 43 Resp: 391119

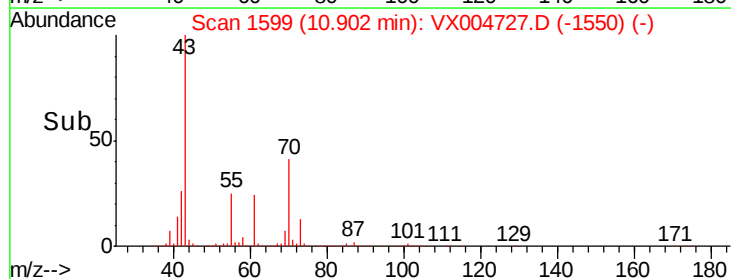
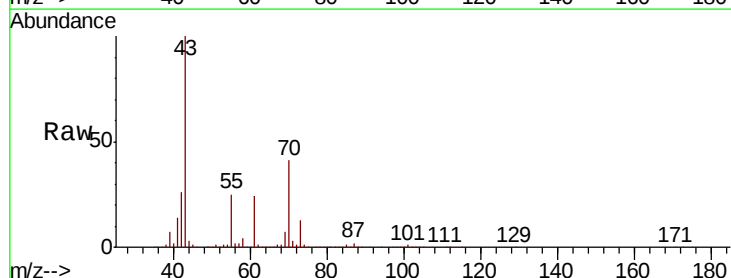
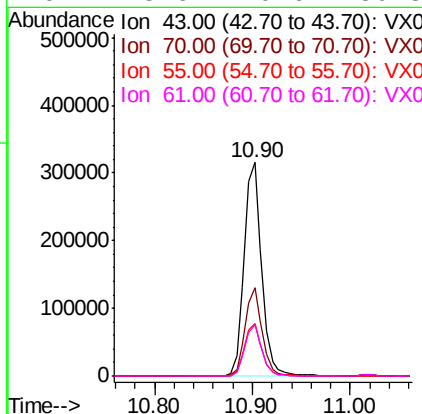
Ion Ratio Lower Upper

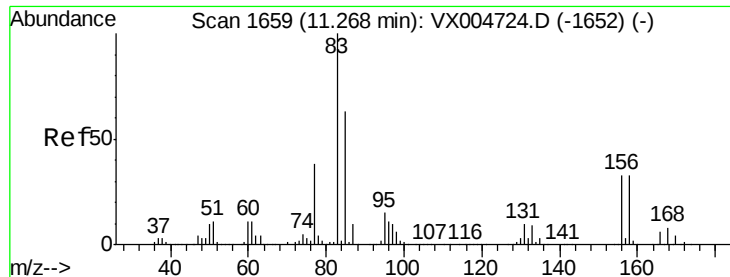
43 100

70 40.3 37.4 56.0

55 24.9 21.8 32.8

61 23.6 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 48.835 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX004727.D

Acq: 26 Sep 2018 14:16

Instrument :

MSVOA_X

ClientSampleId :

ICVVX092618

Tot Ion: 83 Resp: 280478

Ion Ratio Lower Upper

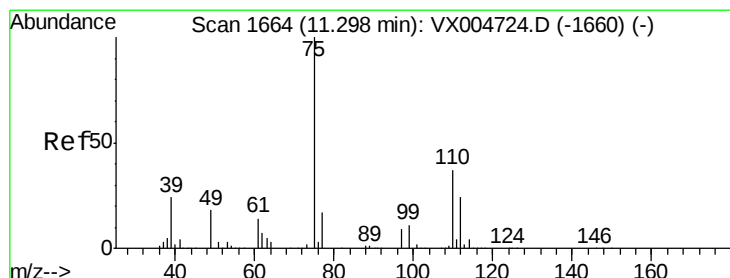
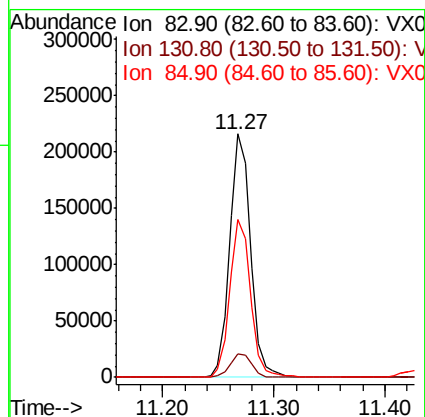
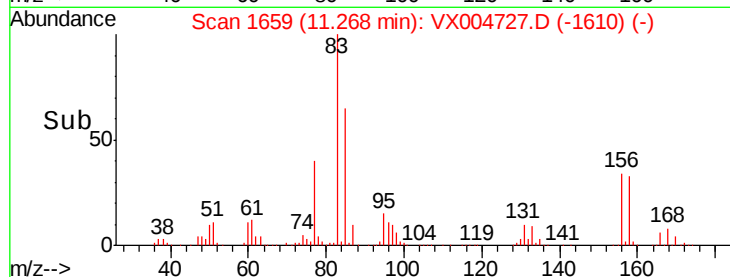
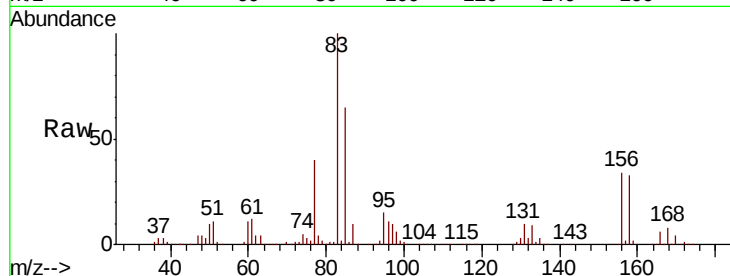
83 100

131 10.1 5.2 15.6

85 64.7 32.3 96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.086 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX004727.D

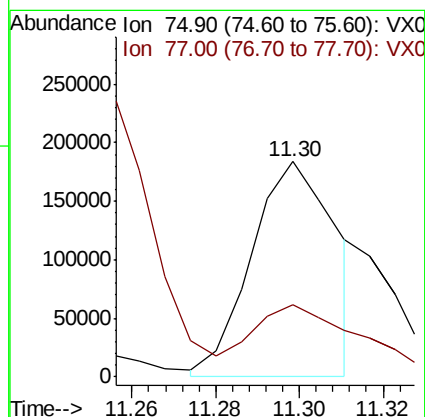
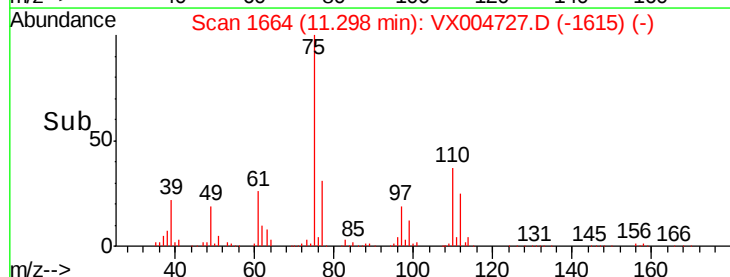
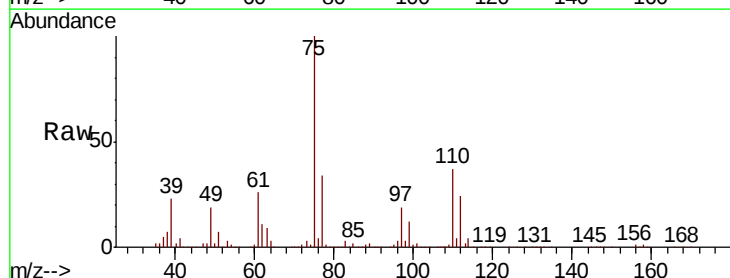
Acq: 26 Sep 2018 14:16

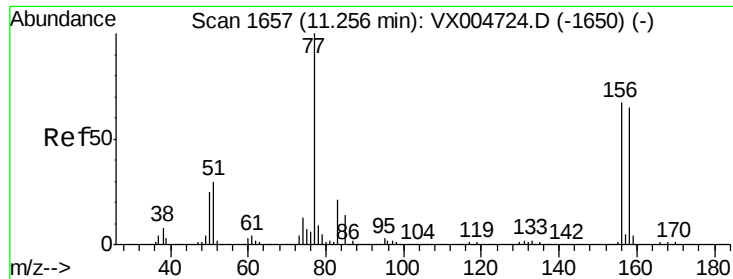
Tgt Ion: 75 Resp: 256309

Ion Ratio Lower Upper

75 100

77 42.8 20.2 60.6





#77

Bromobenzene

Concen: 51.948 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004727.D

Acq: 26 Sep 2018 14:16

Instrument :

MSVOA_X

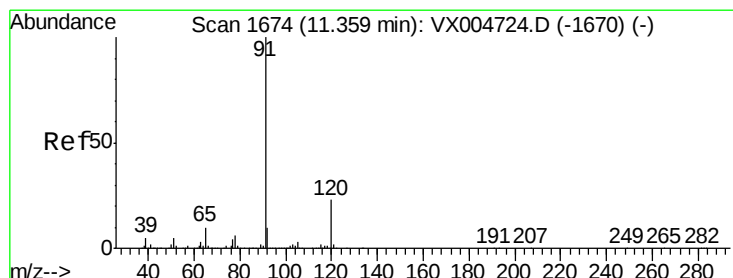
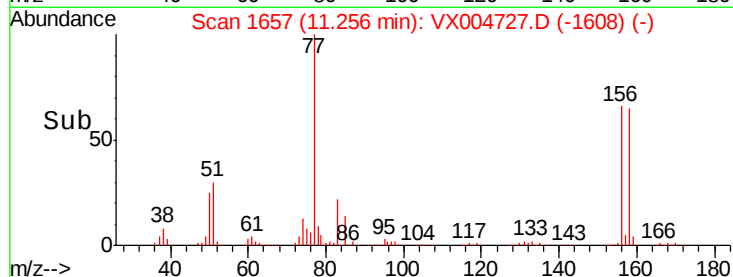
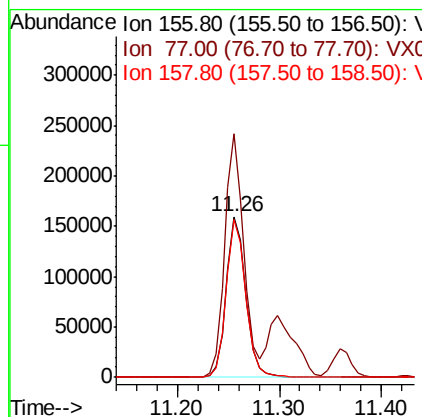
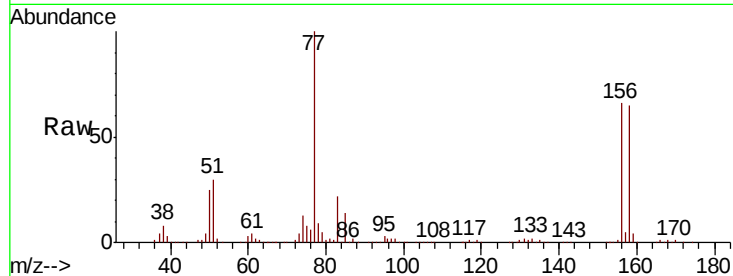
ClientSampleId :

ICVVX092618

Tot Ion:	156	Resp:	212891
Ion Ratio	Lower	Upper	
156	100		
77	147.1	71.5	214.3
158	98.1	48.9	146.8

Manual Integrations
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10/1/2018 1:31:00 PM



#78

n-propylbenzene

Concen: 57.331 ug/l

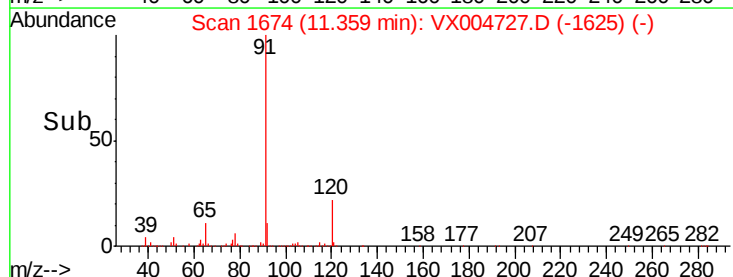
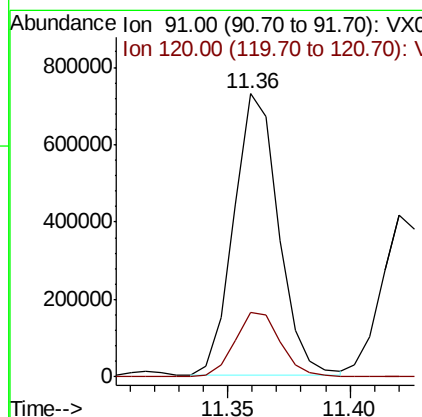
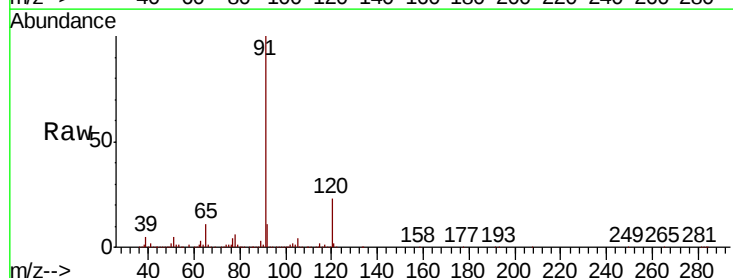
RT: 11.36 min Scan# 1674

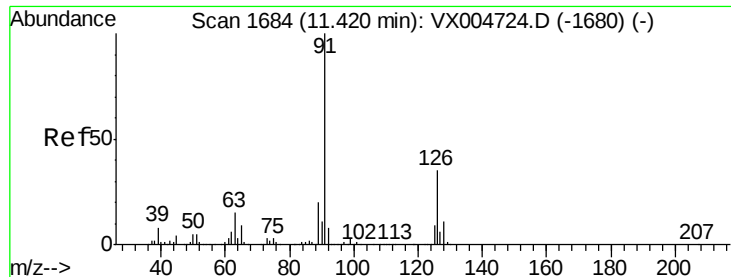
Delta R.T. 0.00 min

Lab File: VX004727.D

Acq: 26 Sep 2018 14:16

Tgt Ion:	91	Resp:	928111
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.9	35.9





#79

2-Chlorotoluene

Concen: 54.942 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004727.D

Acq: 26 Sep 2018 14:16

Instrument :

MSVOA_X

ClientSampleId :

ICVVX092618

Tot Ion: 91 Resp: 554405

Ion Ratio Lower Upper

91 100

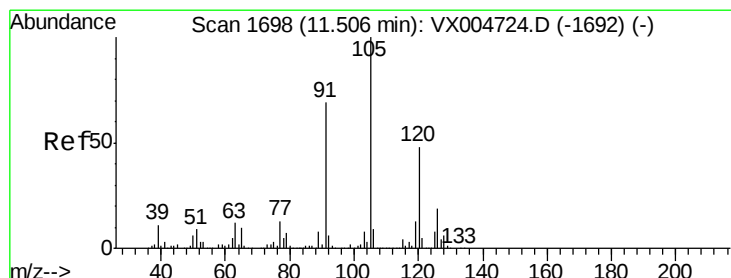
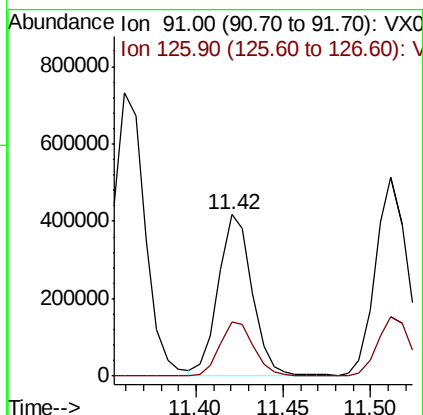
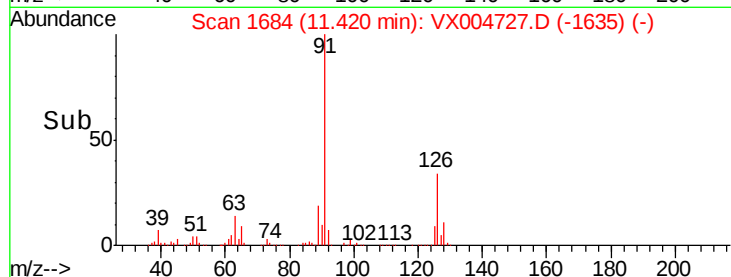
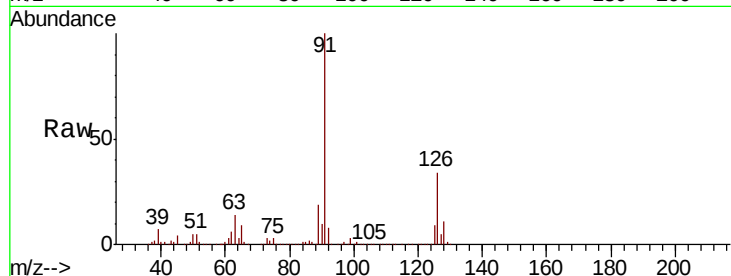
126 34.9 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 53.379 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004727.D

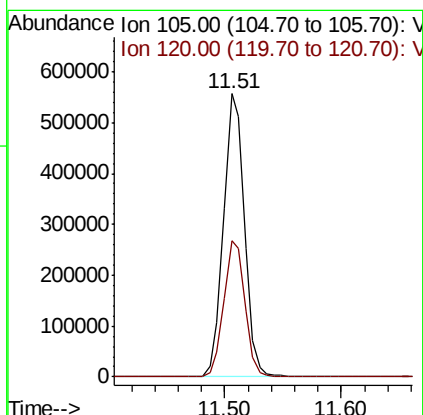
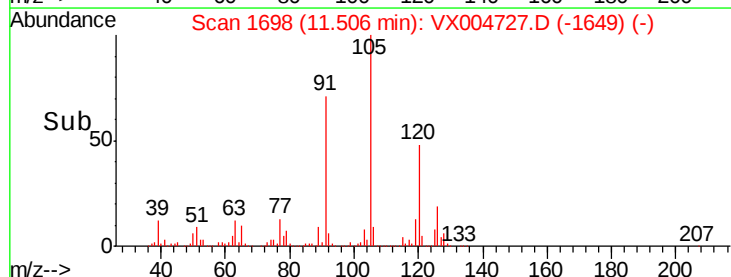
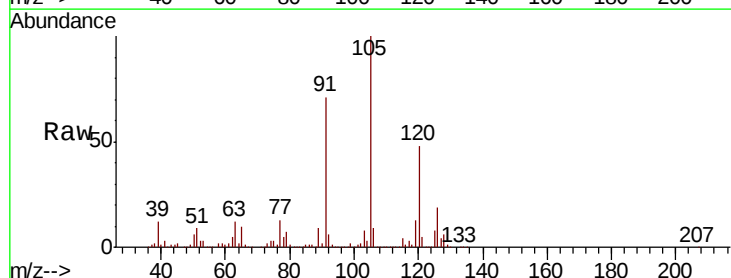
Acq: 26 Sep 2018 14:16

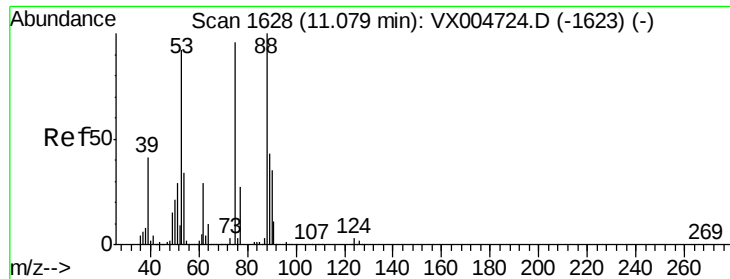
Tgt Ion: 105 Resp: 690112

Ion Ratio Lower Upper

105 100

120 48.9 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 47.121 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VX004727.D

Acq: 26 Sep 2018 14:16

Instrument :

MSVOA_X

ClientSampleId :

ICVVX092618

Tot Ion: 75 Resp: 86463

Ion Ratio Lower Upper

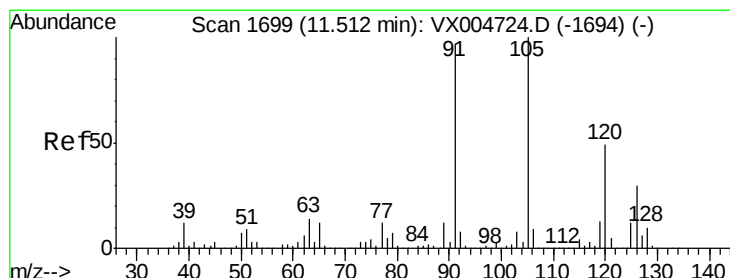
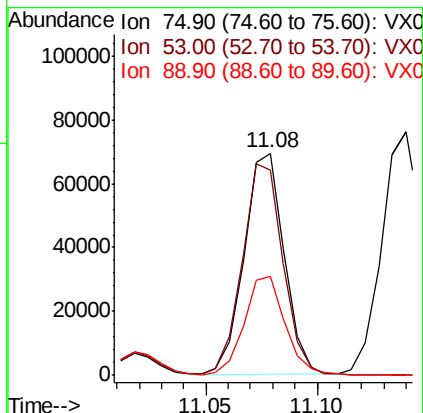
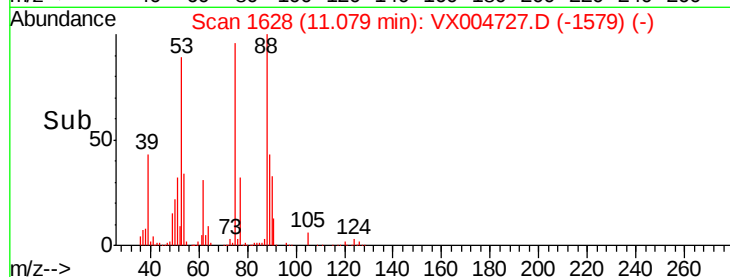
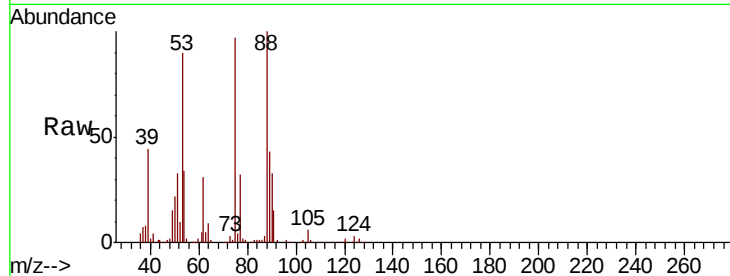
75 100

53 97.5 80.1 120.1

89 46.3 37.2 55.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 55.937 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX004727.D

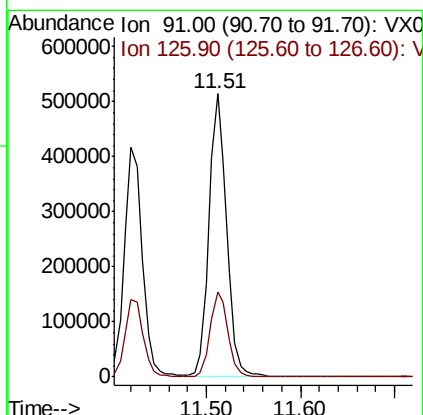
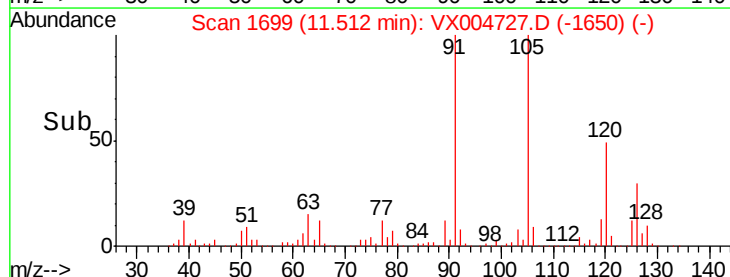
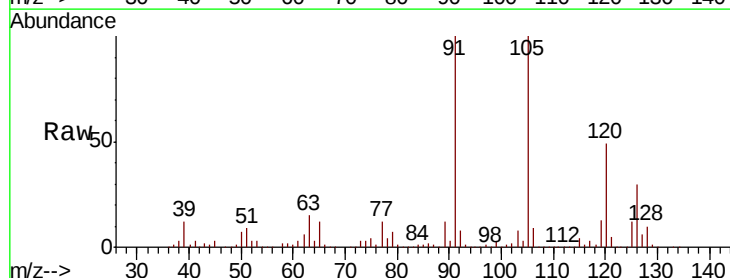
Acq: 26 Sep 2018 14:16

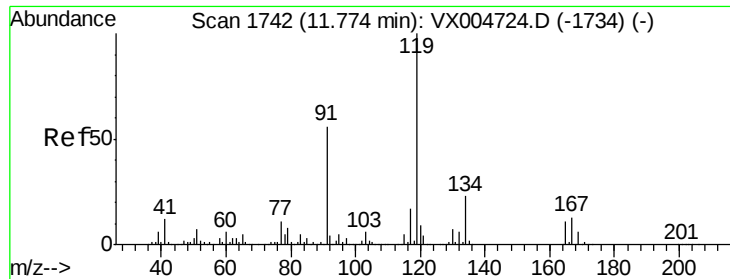
Tgt Ion: 91 Resp: 664380

Ion Ratio Lower Upper

91 100

126 30.4 15.5 46.5





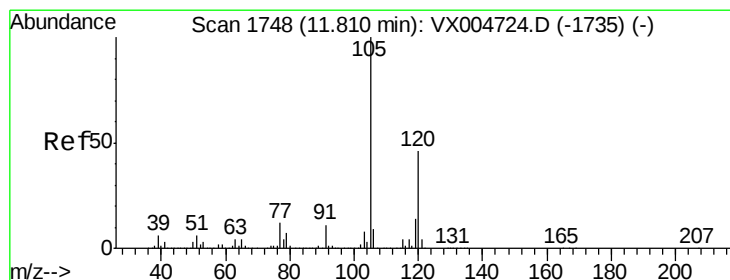
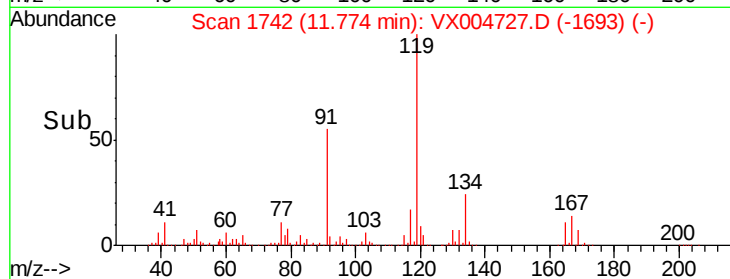
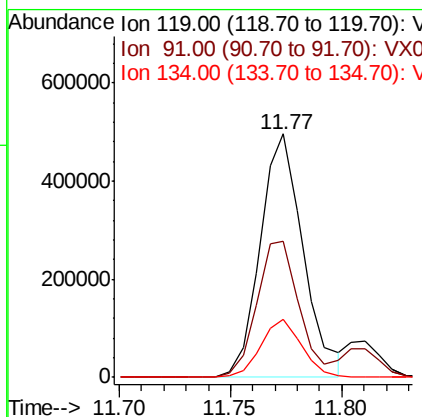
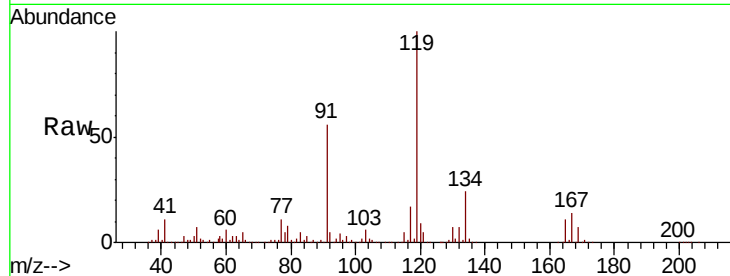
#83
tert-Butylbenzene
Concen: 57.236 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX004727.D
Acq: 26 Sep 2018 14:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX092618

Tot Ion	Ratio	Resp	Lower	Upper
119	100	664895		
91	54.9	27.0	81.0	
134	22.9	11.7	35.1	

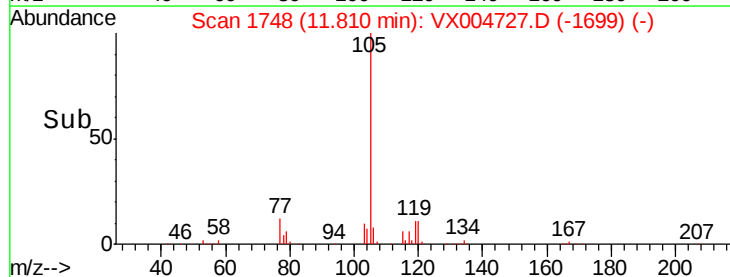
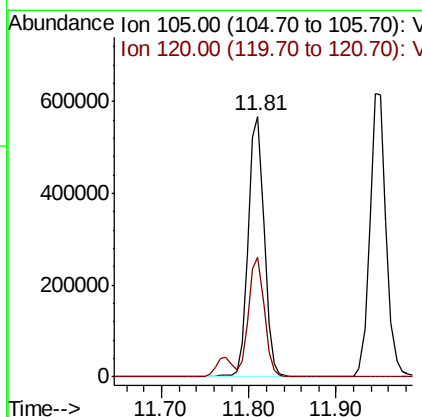
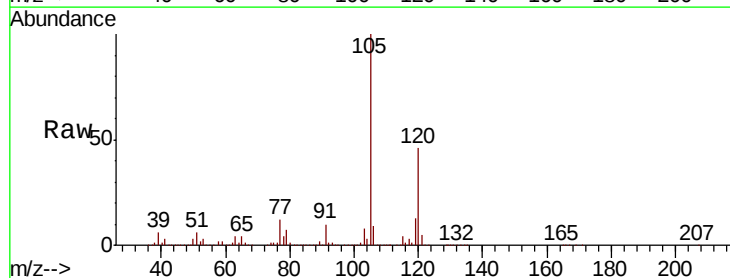
Manual Integrations
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#84
1,2,4-Trimethylbenzene
Concen: 53.374 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VX004727.D
Acq: 26 Sep 2018 14:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	711624		
120	45.3	23.2	69.6	





#85

sec-Butylbenzene

Concen: 57.396 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004727.D

Acq: 26 Sep 2018 14:16

Instrument :

MSVOA_X

ClientSampleId :

ICVVX092618

Tot Ion:105 Resp: 812118

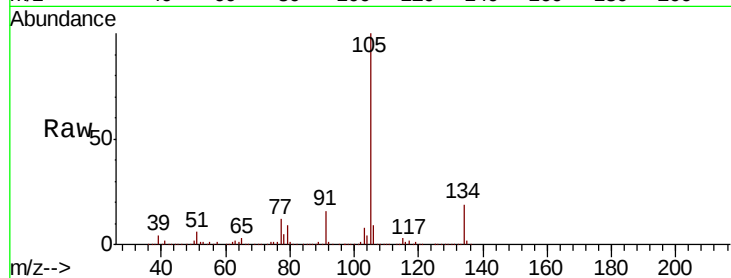
Ion Ratio Lower Upper

105 100

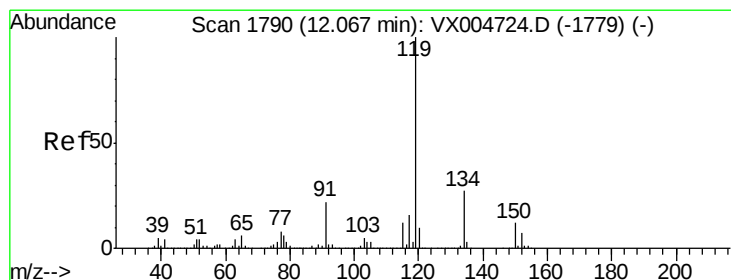
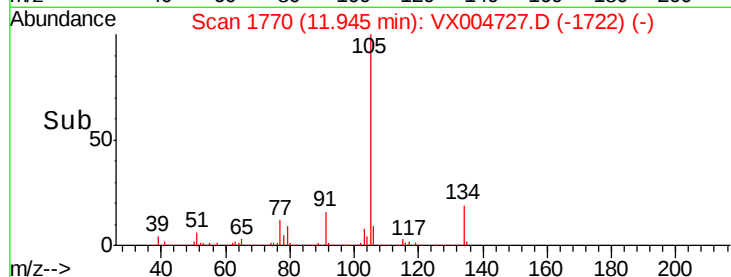
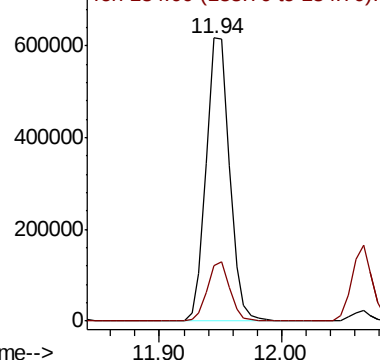
134 20.2 10.5 31.5

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



#86

p-Isopropyltoluene

Concen: 57.507 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004727.D

Acq: 26 Sep 2018 14:16

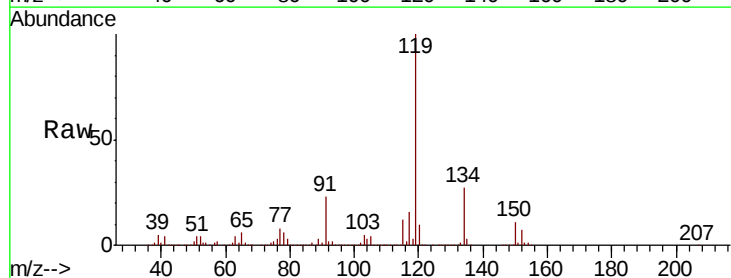
Tgt Ion:119 Resp: 737210

Ion Ratio Lower Upper

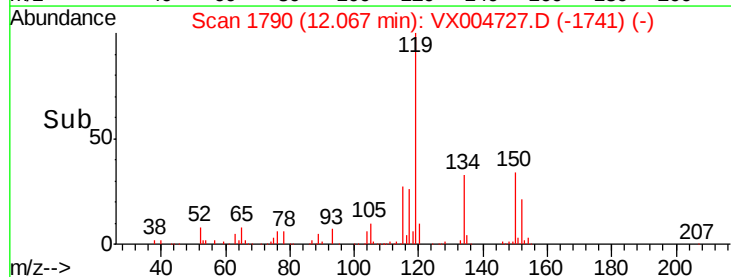
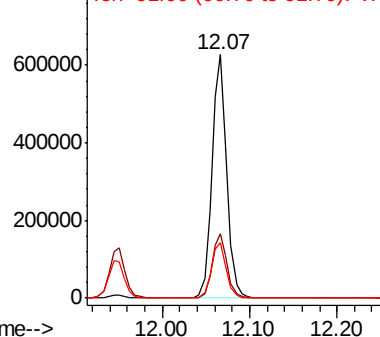
119 100

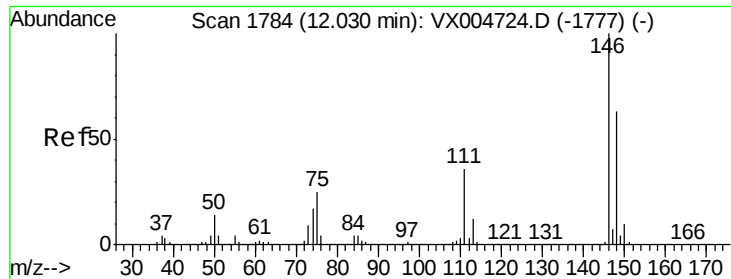
134 26.5 13.4 40.2

91 23.2 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





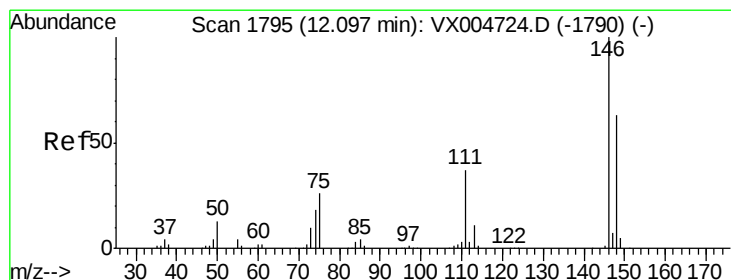
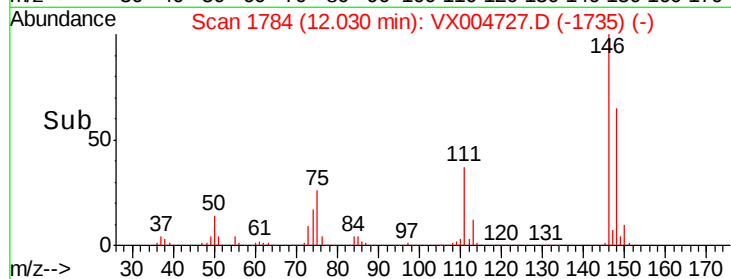
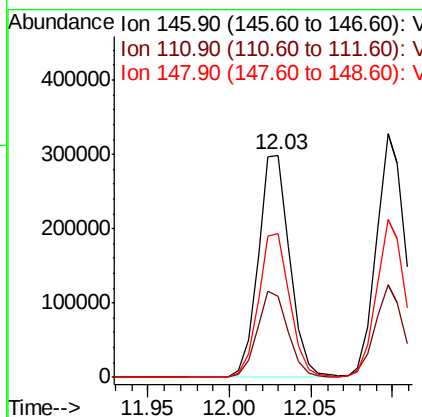
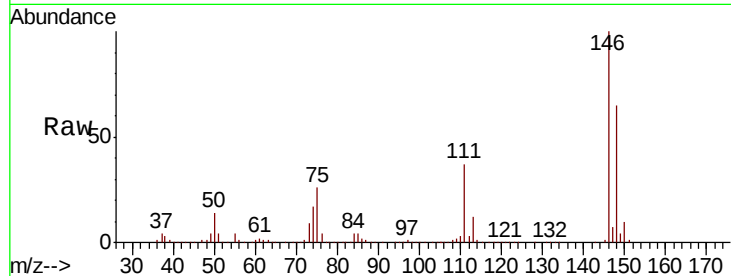
#87
 1,3-Dichlorobenzene
 Concen: 52.202 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX004727.D
 Acq: 26 Sep 2018 14:16

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX092618

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.7	56.1
148	64.5	32.1	96.5

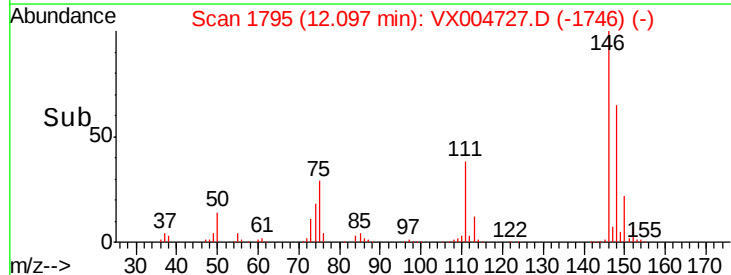
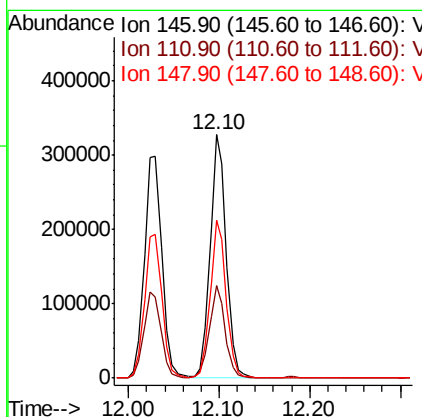
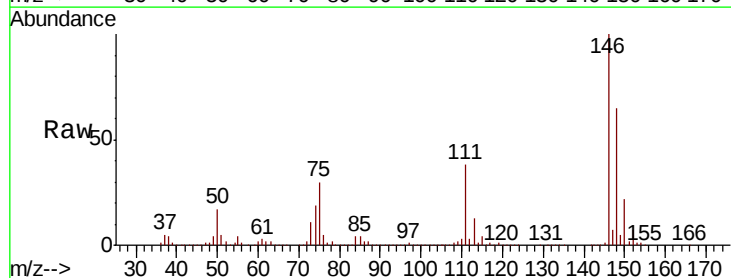
Manual Integrations
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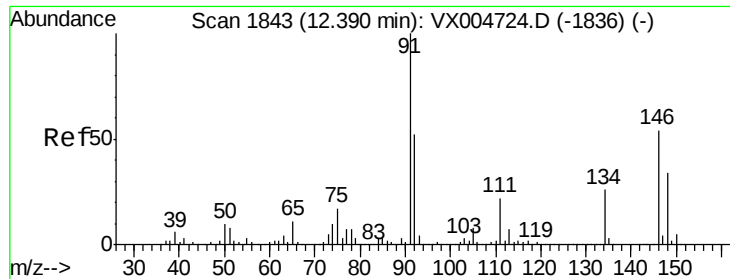
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 10/1/2018 1:31:00 PM



#88
 1,4-Dichlorobenzene
 Concen: 51.737 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004727.D
 Acq: 26 Sep 2018 14:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.1	54.1
148	64.2	32.0	96.0





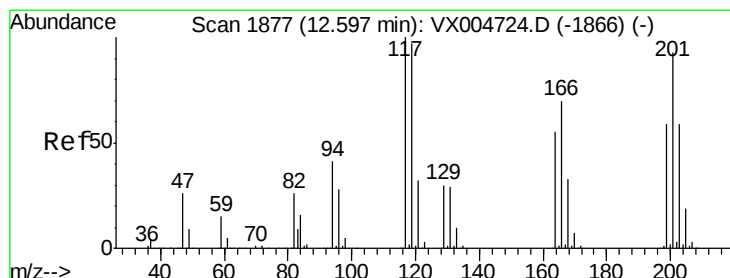
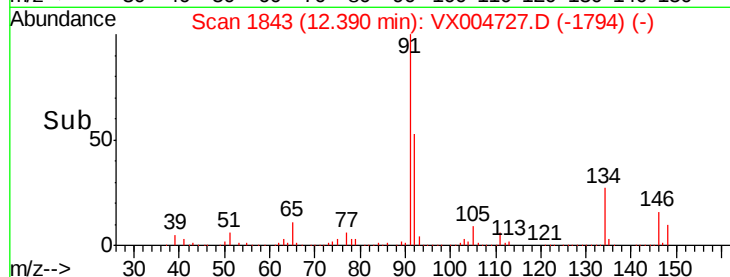
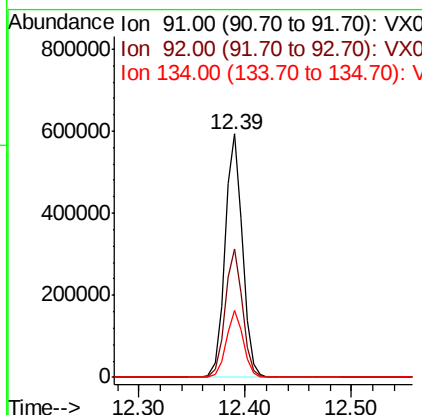
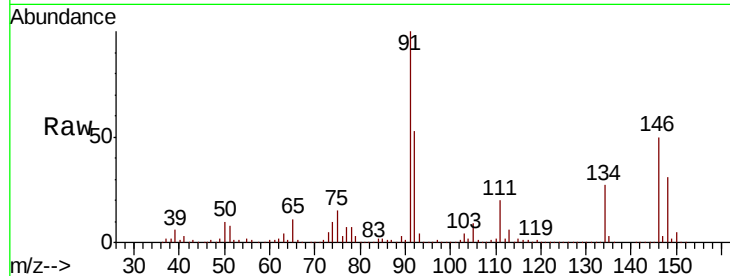
#89
n-Butylbenzene
Concen: 58.244 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX004727.D
Acq: 26 Sep 2018 14:16

Instrument :
MSVOA_X
ClientSampled :
ICVVX092618

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	27.3	81.9
134	26.6	13.6	40.7

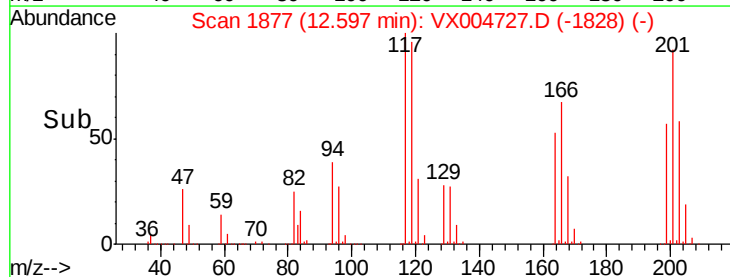
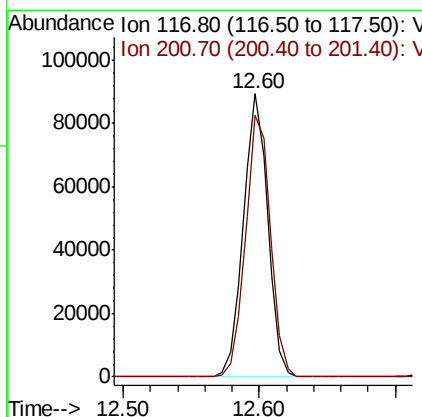
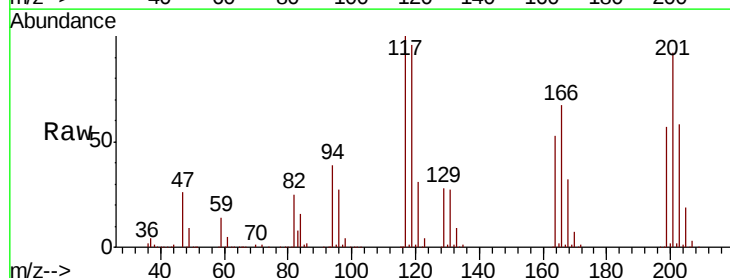
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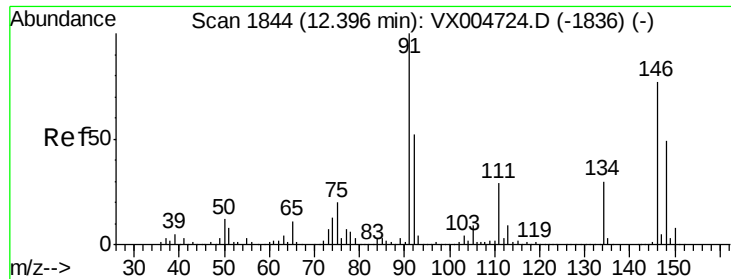
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#90
Hexachloroethane
Concen: 52.287 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX004727.D
Acq: 26 Sep 2018 14:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.9	46.9	140.6





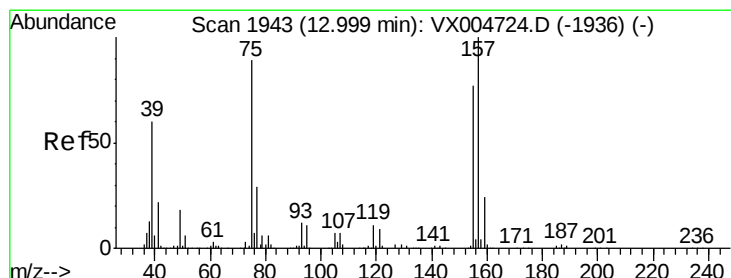
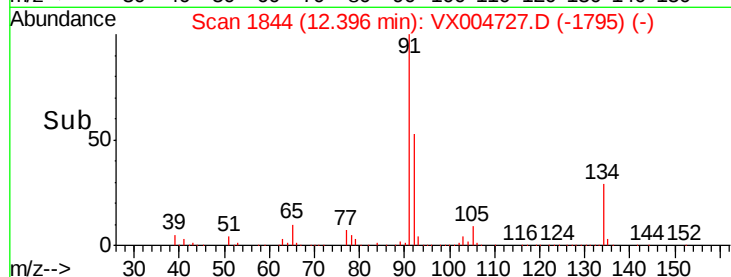
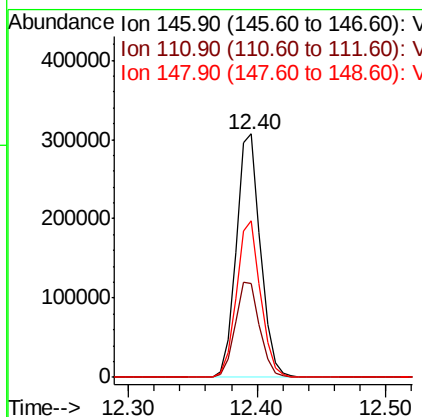
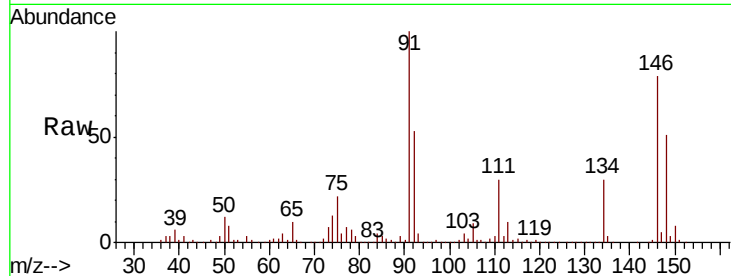
#91
1,2-Dichlorobenzene
Concen: 50.023 ug/l
RT: 12.40 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VX004727.D
Acq: 26 Sep 2018 14:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX092618

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.4	58.1
148	64.0	32.8	98.3

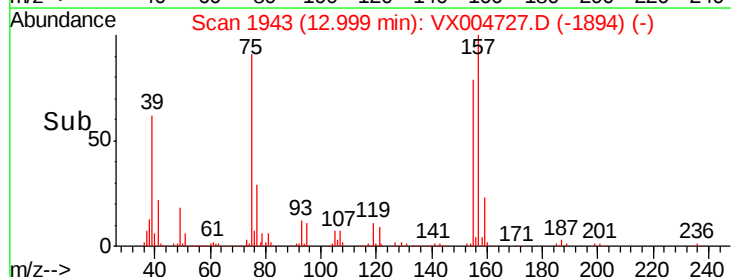
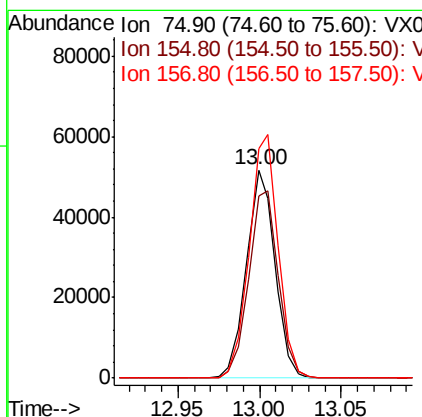
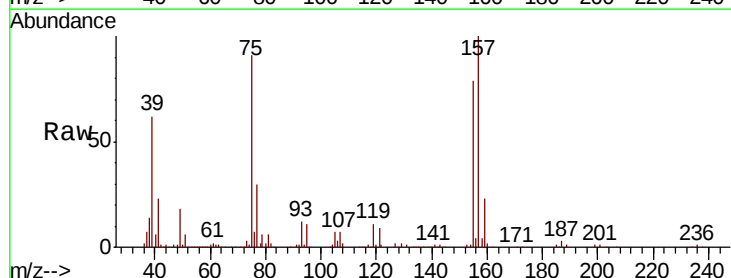
Manual Integrations
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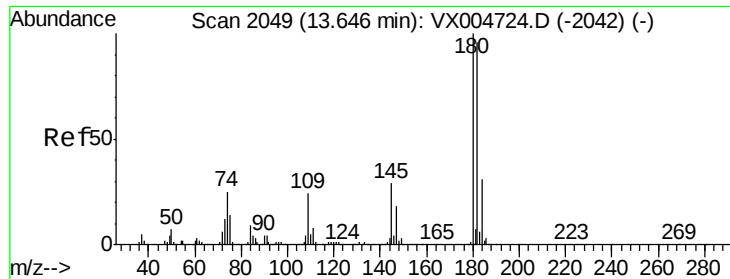
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#92
1,2-Dibromo-3-Chloropropane
Concen: 50.203 ug/l
RT: 13.00 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VX004727.D
Acq: 26 Sep 2018 14:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.3	48.0	144.2
157	118.0	61.4	184.1





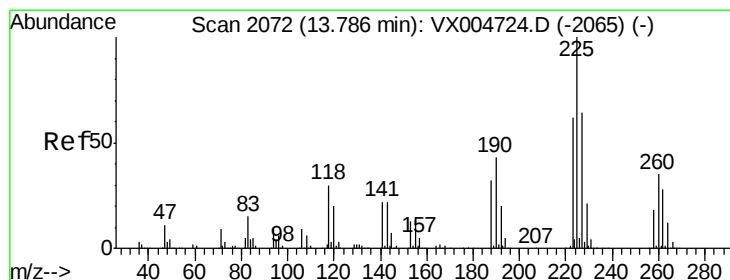
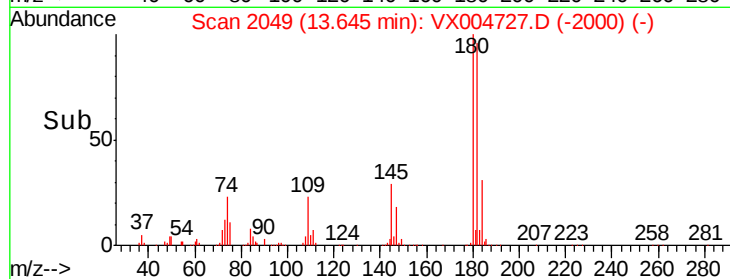
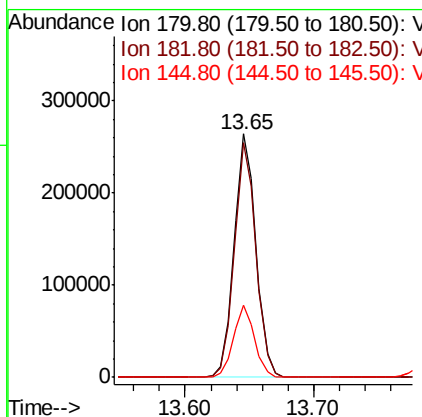
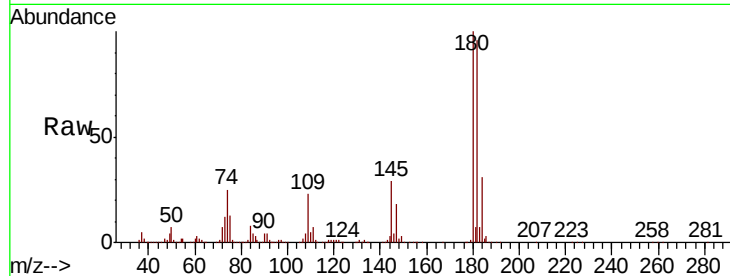
#93
 1,2,4-Trichlorobenzene
 Concen: 55.528 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004727.D
 Acq: 26 Sep 2018 14:16

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX092618

Tot Ion	Ratio	Resp	Lower	Upper
180	100	311506		
182	95.4	48.4	145.0	
145	28.5	14.3	42.9	

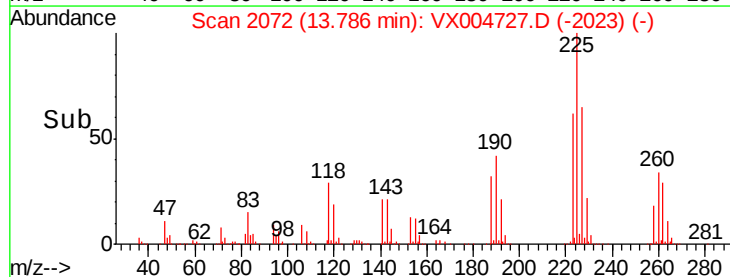
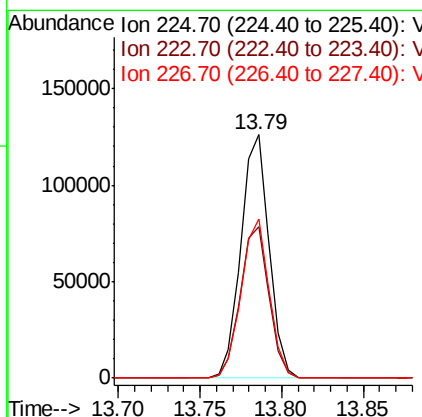
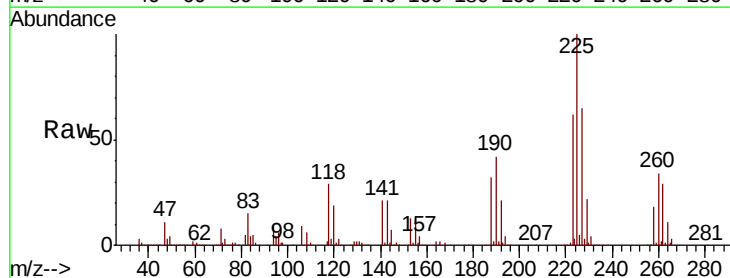
Manual Integrations
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 10/1/2018 1:31:00 PM



#94
 Hexachlorobutadiene
 Concen: 52.290 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004727.D
 Acq: 26 Sep 2018 14:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	152114		
223	63.3	30.1	90.5	
227	64.9	30.8	92.4	





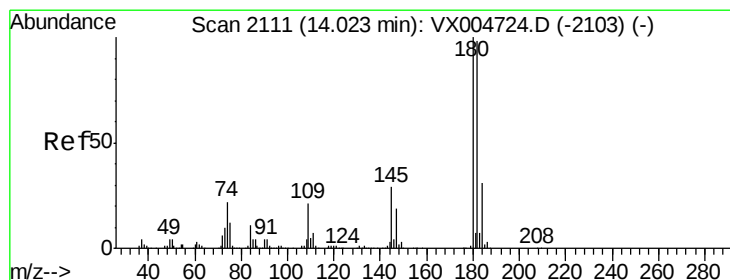
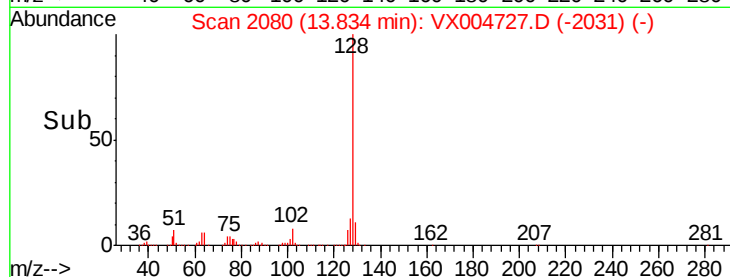
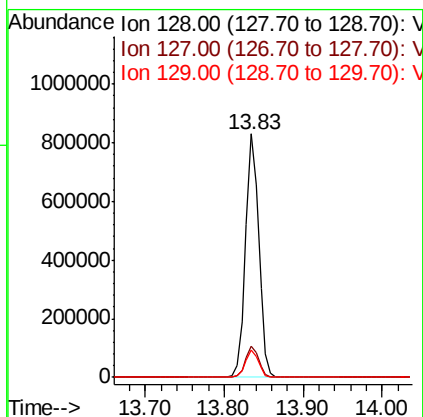
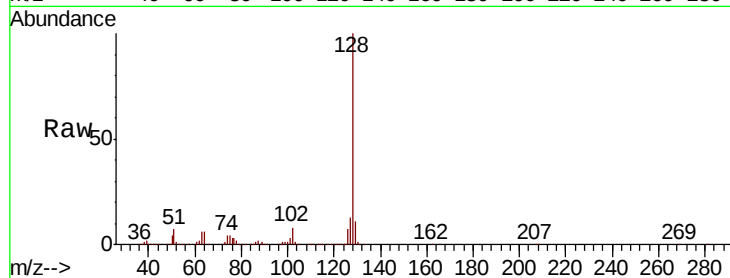
#95
Naphthalene
Concen: 51.985 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004727.D
Acq: 26 Sep 2018 14:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX092618

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/1/2018 1:31:00 PM



#96
1,2,3-Trichlorobenzene
Concen: 54.120 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX004727.D
Acq: 26 Sep 2018 14:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.5	145.6
145	29.6	14.9	44.9

