

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102918\
 Data File : VX005667.D
 Acq On : 29 Oct 2018 18:17
 Operator : JC/MD
 Sample : VX1029MBS01
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029MBS01

Manual Integrations
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MMDadoda
 10/30/2018 10:50:56 AM

Quant Time: Oct 30 03:54:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	243437	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	376306	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	334113	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	182824	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	137144	46.15	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.30%	
35) Dibromofluoromethane	5.50	113	106260	41.70	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	83.40%	
50) Toluene-d8	8.71	98	397698	43.44	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	86.88%	
62) 4-Bromofluorobenzene	11.14	95	153195	44.31	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	88.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	51936	21.614	ug/l	92
3) Chloromethane	1.32	50	52713	17.226	ug/l	100
4) Vinyl Chloride	1.40	62	55014	18.284	ug/l	92
5) Bromomethane	1.64	94	27559	14.720	ug/l	98
6) Chloroethane	1.71	64	35052	18.236	ug/l	90
7) Trichlorofluoromethane	1.93	101	74364	17.787	ug/l	97
8) Diethyl Ether	2.19	74	30900	18.520	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	41530	17.313	ug/l	99
10) Methyl Iodide	2.51	142	34170	15.621	ug/l	97
11) Tert butyl alcohol	3.07	59	77281	96.643	ug/l	98
12) 1,1-Dichloroethene	2.37	96	40370	17.666	ug/l	90
13) Acrolein	2.29	56	51993	127.462	ug/l	99
14) Allyl chloride	2.73	41	87787	17.213	ug/l	98
15) Acrylonitrile	3.15	53	155805	86.890	ug/l	99
16) Acetone	2.45	43	142899	91.004	ug/l	98
17) Carbon Disulfide	2.57	76	115159	16.532	ug/l	99
18) Methyl Acetate	2.78	43	75477	18.538	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	151206	18.550	ug/l	100
20) Methylene Chloride	2.85	84	46838	17.810	ug/l	91
21) trans-1,2-Dichloroethene	3.16	96	43126	17.285	ug/l	97
22) Diisopropyl ether	3.87	45	163679	18.378	ug/l	97
23) Vinyl Acetate	3.82	43	690242	88.000	ug/l	99
24) 1,1-Dichloroethane	3.69	63	86424	17.849	ug/l	100
25) 2-Butanone	4.70	43	214275	89.611	ug/l	93
26) 2,2-Dichloropropane	4.59	77	63449	16.973	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	51188	19.030	ug/l	95
28) Bromochloromethane	5.03	49	47163	20.139	ug/l	97
29) Tetrahydrofuran	5.15	42	141220	90.752	ug/l	99
30) Chloroform	5.22	83	77914	17.202	ug/l	95
31) Cyclohexane	5.57	56	74976	18.715	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	68747	17.197	ug/l	99
36) 1,1-Dichloropropene	5.80	75	57977	15.876	ug/l	96
37) Ethyl Acetate	4.85	43	81547	17.499	ug/l	99
38) Carbon Tetrachloride	5.78	117	59697	15.521	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	65416	16.222	ug/l #	87
40) Benzene	6.14	78	187048	17.868	ug/l	99
41) Methacrylonitrile	5.06	41	40915	15.762	ug/l	97
42) 1,2-Dichloroethane	6.20	62	63832	16.051	ug/l	99
43) Isopropyl Acetate	6.46	43	114444	16.388	ug/l	96
44) Trichloroethene	7.21	130	47140	16.529	ug/l	93
45) 1,2-Dichloropropane	7.51	63	46575	16.548	ug/l	96
46) Dibromomethane	7.66	93	29822	16.406	ug/l	99
47) Bromodichloromethane	7.90	83	54268	15.382	ug/l	99
48) Methyl methacrylate	7.77	41	56076	16.483	ug/l	98
49) 1,4-Dioxane	7.76	88	25953	349.091	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	388055	82.685	ug/l	99
52) Toluene	8.79	92	107984	16.973	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	59789	15.680	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	66734	16.256	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	44689	16.660	ug/l	98
56) Ethyl methacrylate	9.18	69	67774	16.939	ug/l	99
57) 1,3-Dichloropropane	9.37	76	74163	16.340	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	201097	89.993	ug/l	99
59) 2-Hexanone	9.49	43	309561	83.658	ug/l	98
60) Dibromochloromethane	9.58	129	43676	15.606	ug/l	98
61) 1,2-Dibromoethane	9.67	107	46626	16.802	ug/l	100
64) Tetrachloroethene	9.34	164	48724	17.567	ug/l	98
65) Chlorobenzene	10.14	112	122601	17.232	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	42911	16.541	ug/l	99
67) Ethyl Benzene	10.25	91	207859	17.757	ug/l	100
68) m/p-Xylenes	10.36	106	161193	35.493	ug/l	99
69) o-Xylene	10.70	106	79480	18.602	ug/l	100
70) Styrene	10.71	104	129544	18.111	ug/l	99
71) Bromoform	10.86	173	35053	15.142	ug/l #	99
73) Isopropylbenzene	11.02	105	213963	19.145	ug/l	99
74) N-amyl acetate	10.90	43	101732	18.371	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	71532	17.349	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	68231m	17.614	ug/l	
77) Bromobenzene	11.26	156	57050	18.317	ug/l	98
78) n-propylbenzene	11.36	91	246904	19.321	ug/l	99
79) 2-Chlorotoluene	11.42	91	144136	18.191	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	181094	18.942	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	19223	16.215	ug/l	97
82) 4-Chlorotoluene	11.51	91	171657	18.373	ug/l	100
83) tert-Butylbenzene	11.77	119	180802	18.972	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	187549	19.356	ug/l	100
85) sec-Butylbenzene	11.94	105	220668	19.406	ug/l	100
86) p-Isopropyltoluene	12.07	119	198397	19.517	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	105828	18.069	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	106673	17.449	ug/l	99
89) n-Butylbenzene	12.39	91	173367	18.892	ug/l	99
90) Hexachloroethane	12.60	117	29103	16.600	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	105288	17.768	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	17260	17.313	ug/l #	54

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Quant Title : SW846 8260
QLast Update : Thu Oct 25 02:52:45 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	82049	19.101	ug/l	99
94) Hexachlorobutadiene	13.78	225	37757	16.962	ug/l	99
95) Naphthalene	13.83	128	254162	20.356	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	84409	19.385	ug/l	97

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

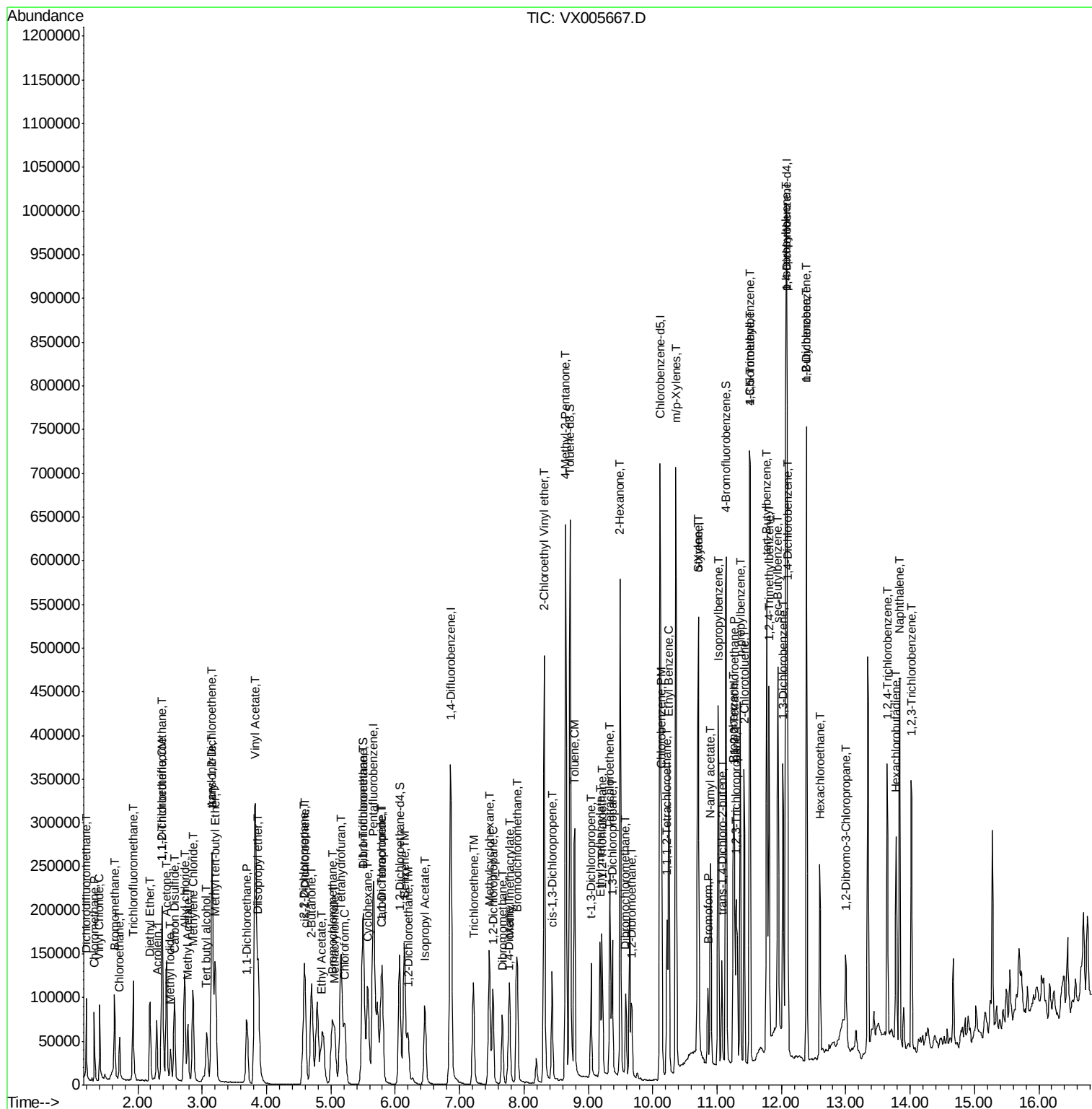
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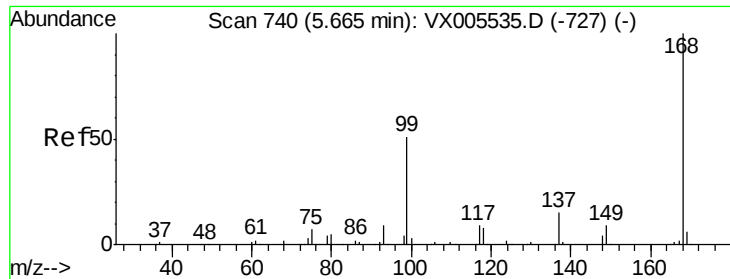
Instrument :
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 Client Sampled :
 VX1029MBS01

Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX005667.D

Acq: 29 Oct 2018 18:17

Instrument :

MSVOA_X

ClientSampleId :

VX1029MBS01

Tot Ion:168 Resp: 243437

Ion Ratio Lower Upper

168 100

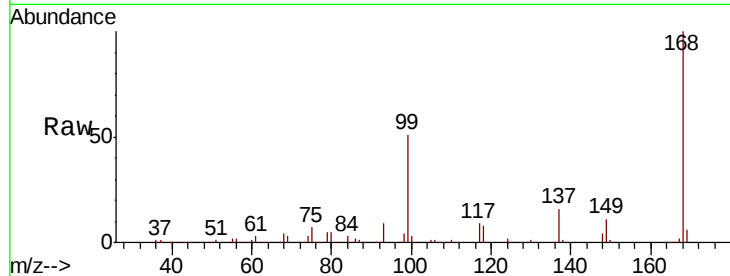
99 51.1 40.7 61.1

Manual Integrations

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10/30/2018 10:50:56 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

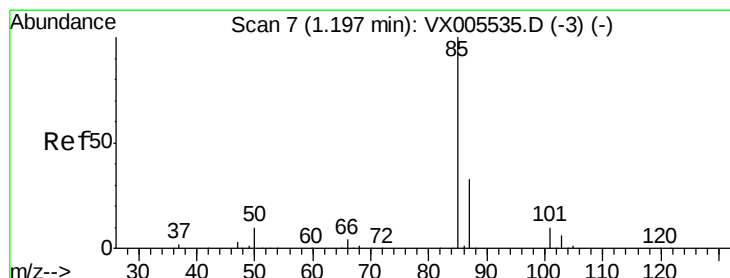
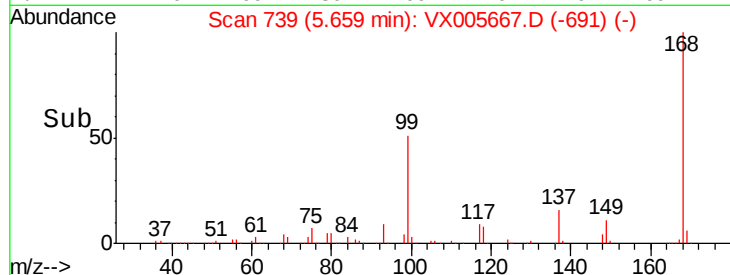
40000

20000

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Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 21.614 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005667.D

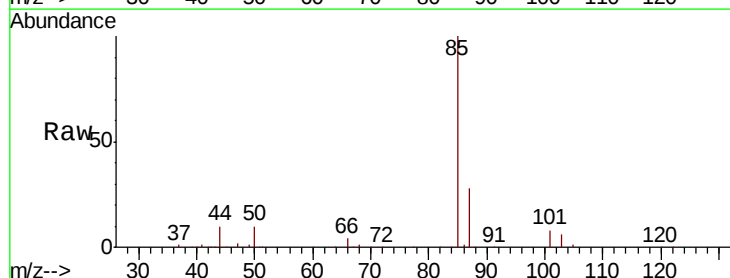
Acq: 29 Oct 2018 18:17

Tgt Ion: 85 Resp: 51936

Ion Ratio Lower Upper

85 100

87 28.2 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

50000

40000

30000

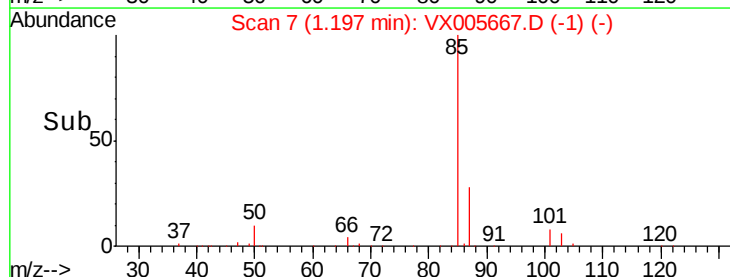
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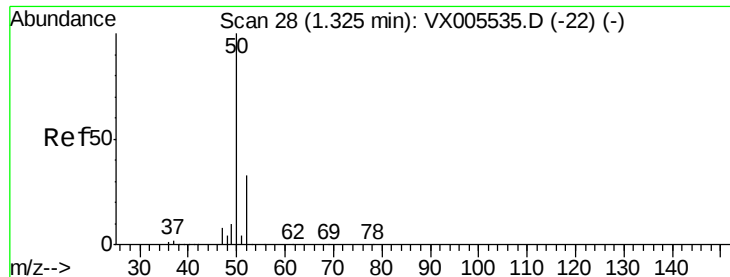
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Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 17.226 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005667.D

Acq: 29 Oct 2018 18:17

Instrument :

MSVOA_X

ClientSampleId :

VX1029MBS01

Tot Ion: 50 Resp: 52713

Ion Ratio Lower Upper

50 100

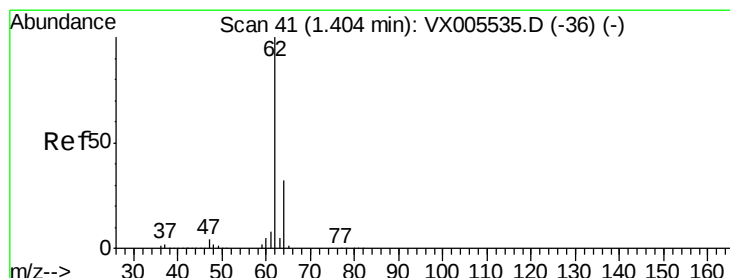
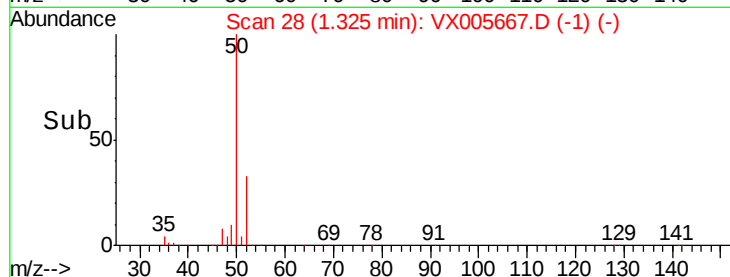
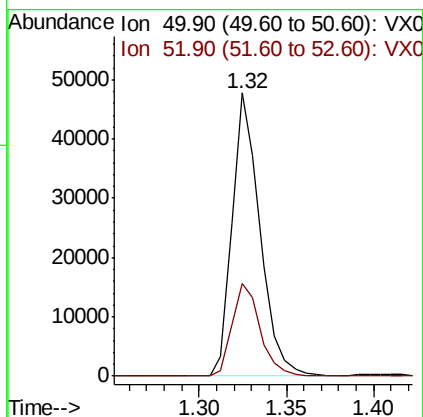
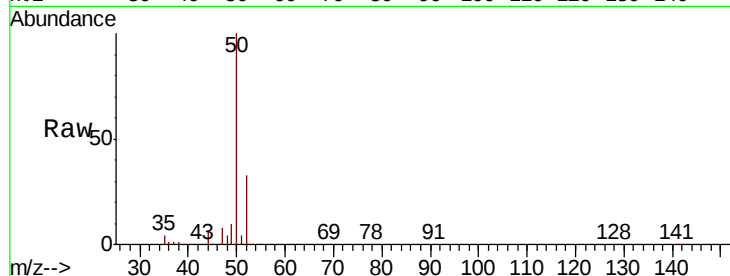
52 32.8 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.284 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005667.D

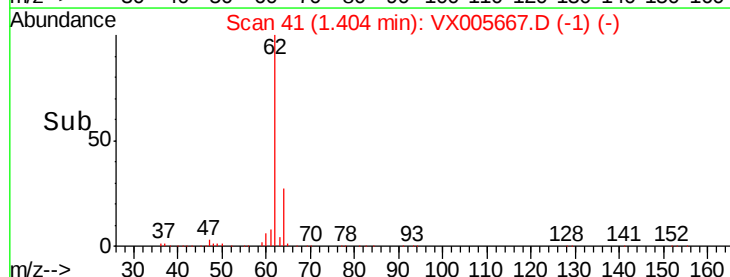
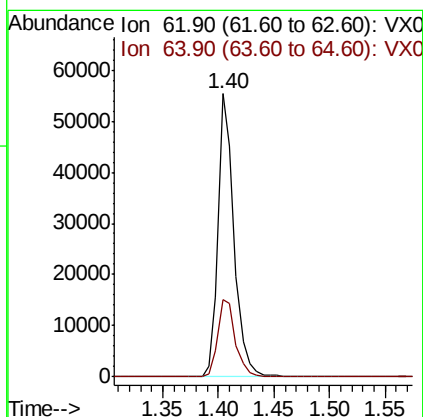
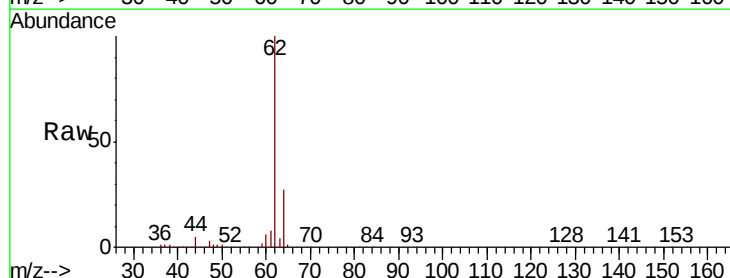
Acq: 29 Oct 2018 18:17

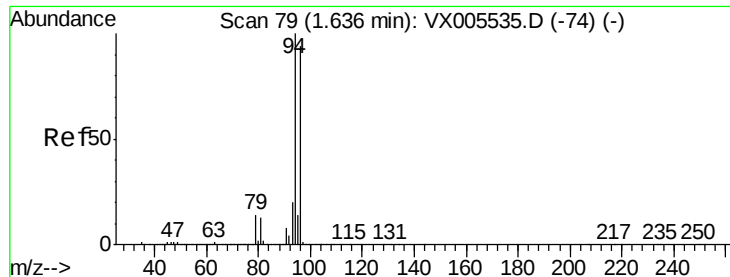
Tgt Ion: 62 Resp: 55014

Ion Ratio Lower Upper

62 100

64 27.1 25.3 37.9





#5

Bromomethane

Concen: 14.720 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005667.D

Acq: 29 Oct 2018 18:17

Instrument :

MSVOA_X

ClientSampleId :

VX1029MBS01

Tot Ion: 94 Resp: 27559

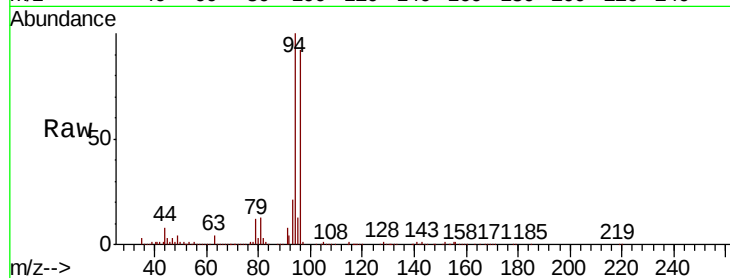
Ion Ratio Lower Upper

94 100

96 92.0 75.2 112.8

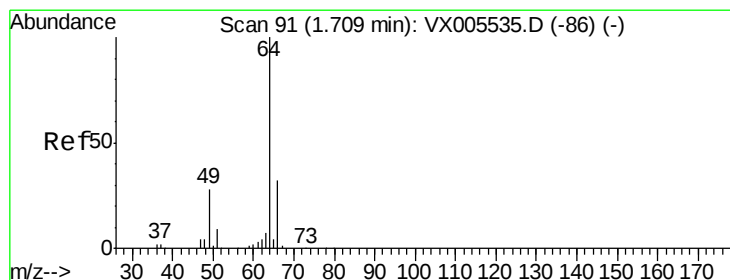
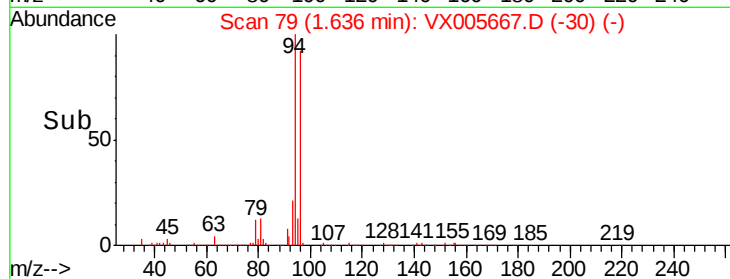
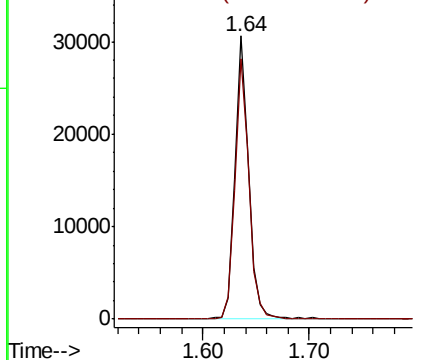
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.236 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005667.D

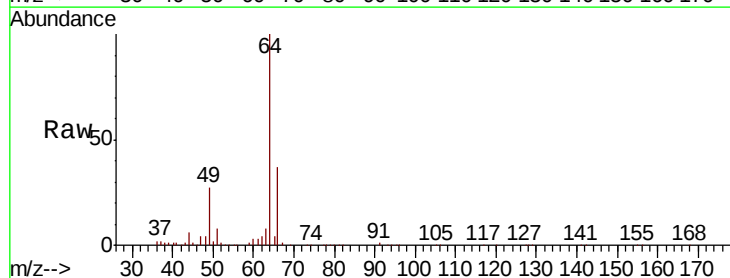
Acq: 29 Oct 2018 18:17

Tgt Ion: 64 Resp: 35052

Ion Ratio Lower Upper

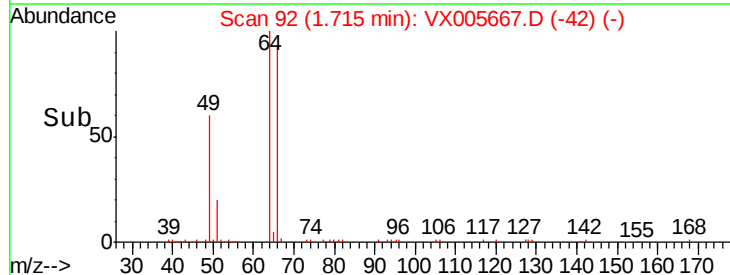
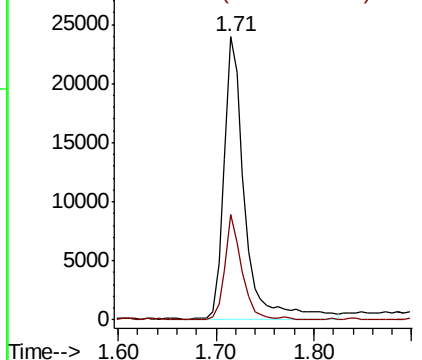
64 100

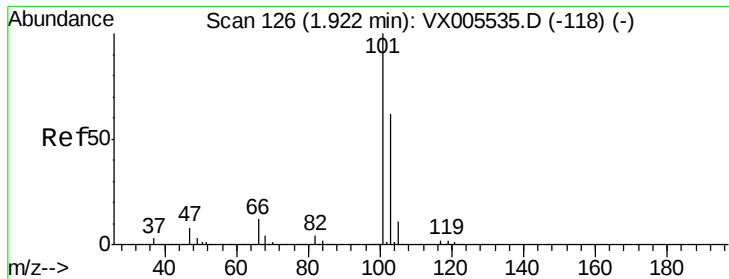
66 37.5 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

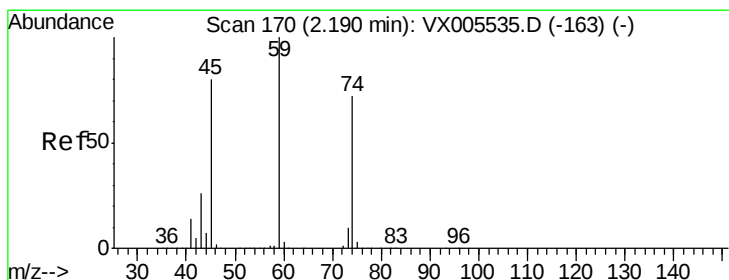
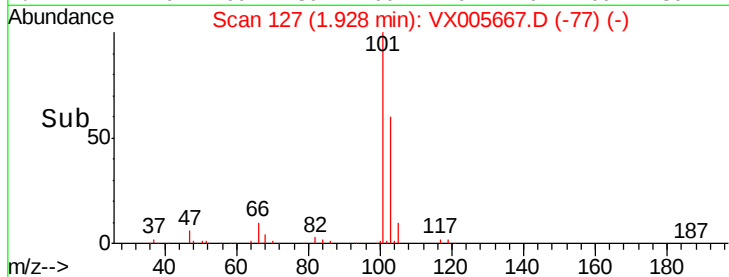
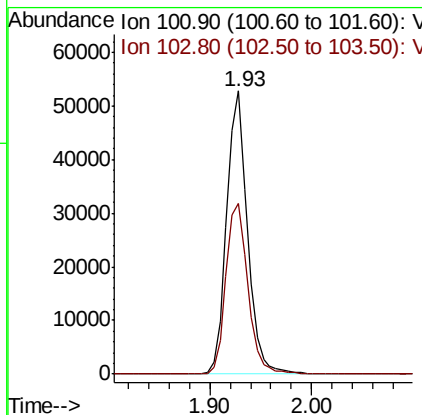
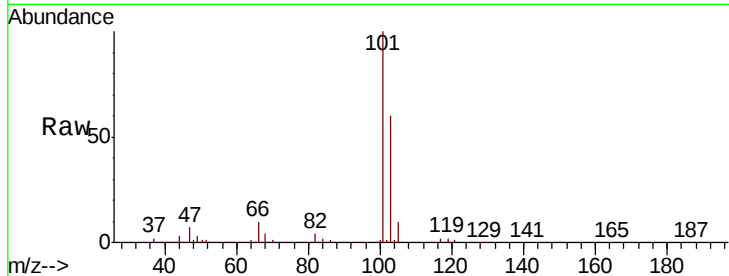
Trichlorofluoromethane
 Concen: 17.787 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX005667.D
 Acq: 29 Oct 2018 18:17

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	60.3	50.0	75.0

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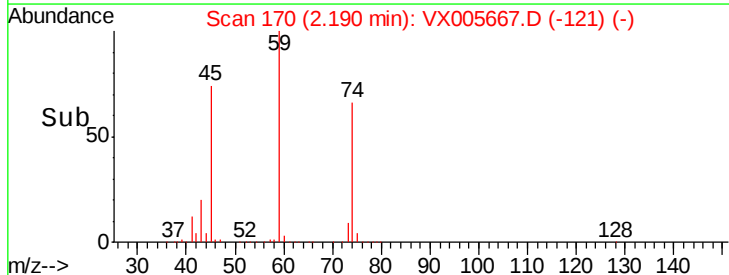
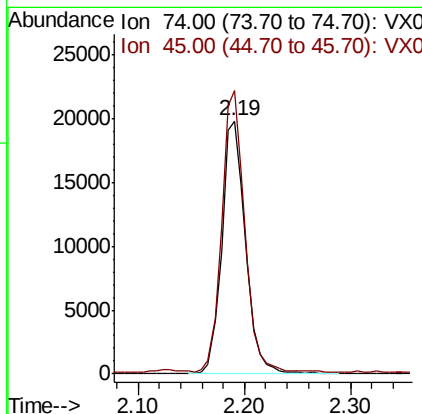
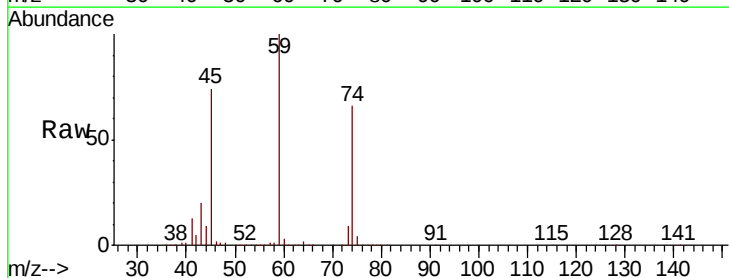
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 10/30/2018 10:50:56 AM



#8

Diethyl Ether
 Concen: 18.520 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX005667.D
 Acq: 29 Oct 2018 18:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.7	54.1	162.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.313 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005667.D

Acq: 29 Oct 2018 18:17

Instrument :

MSVOA_X

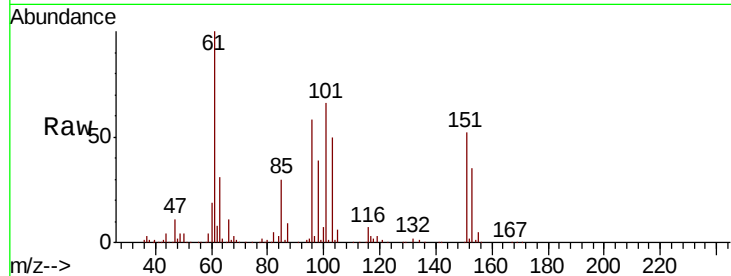
ClientSampleId :

VX1029MBS01

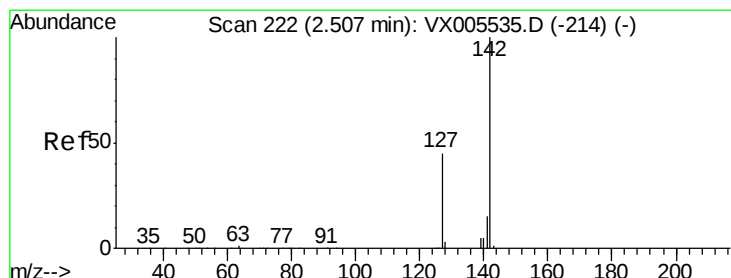
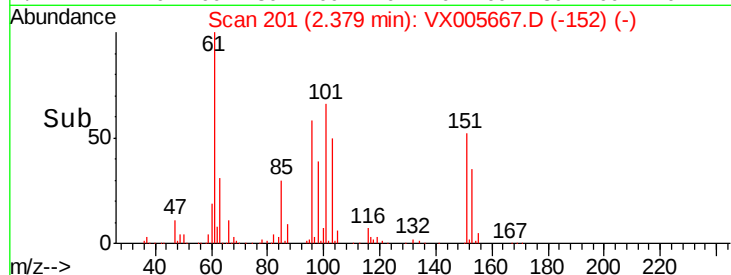
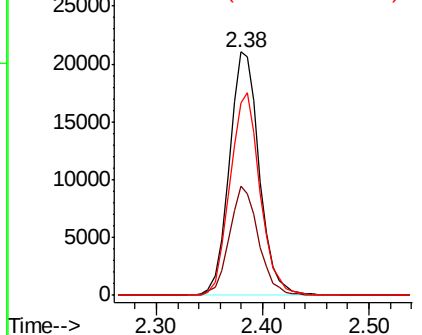
Tot Ion:	101	Resp:	41530
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.0	52.4
151	83.7	66.2	99.2

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



#10

Methyl Iodide

Concen: 15.621 ug/l

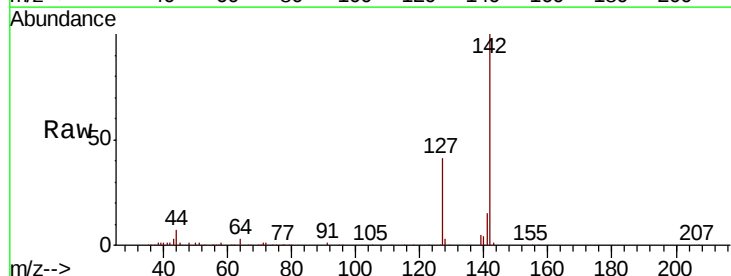
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

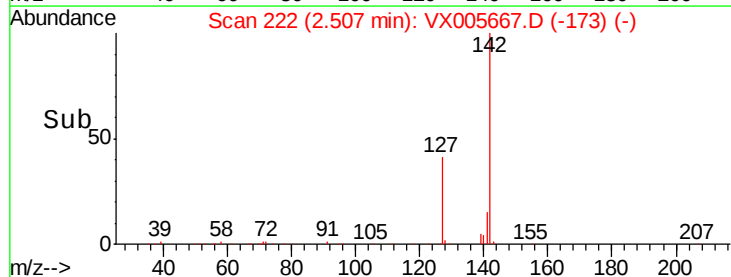
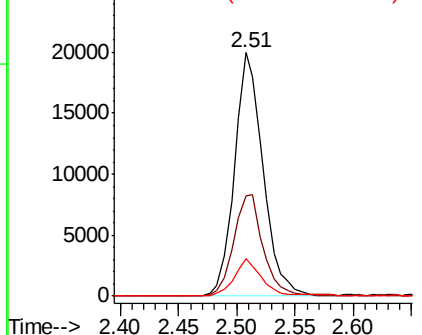
Lab File: VX005667.D

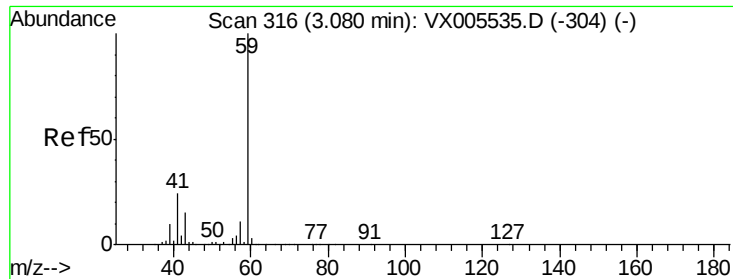
Acq: 29 Oct 2018 18:17

Tgt Ion:	142	Resp:	34170
Ion Ratio	Lower	Upper	
142	100		
127	43.1	36.0	54.0
141	14.1	11.7	17.5



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





#11

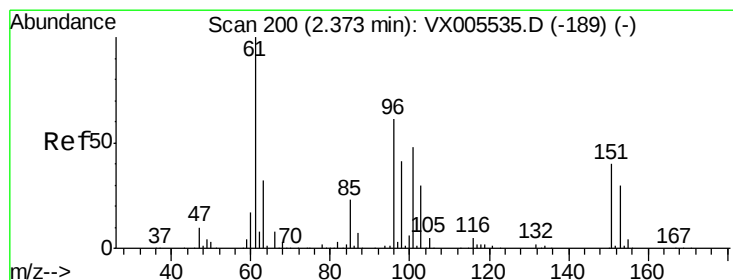
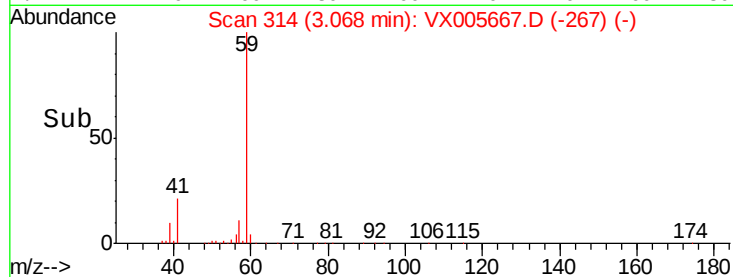
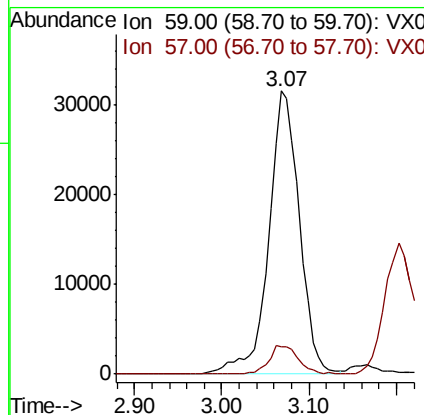
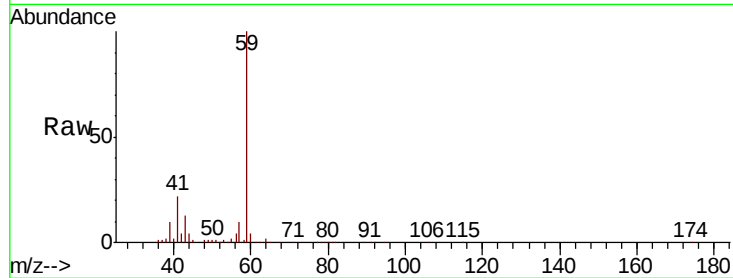
Tert butyl alcohol
Concen: 96.643 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX005667.D
Acq: 29 Oct 2018 18:17

Instrument :
MSVOA_X
ClientSampleId :
VX1029MBS01

Tot Ion	59	Resp	77281
Ion Ratio	100	Lower	Upper
57	10.0	8.5	12.7

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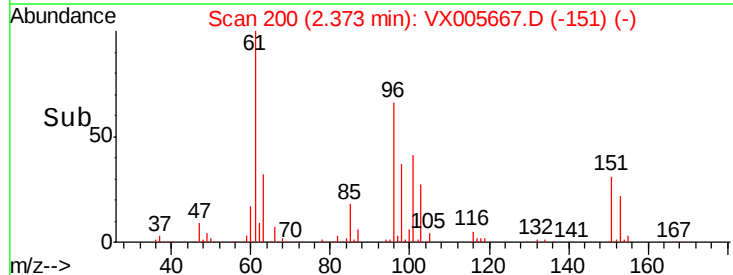
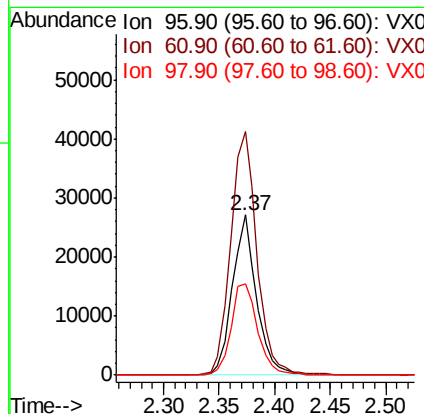
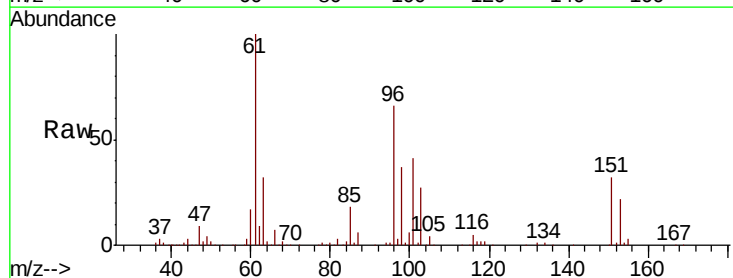
MMDadoda
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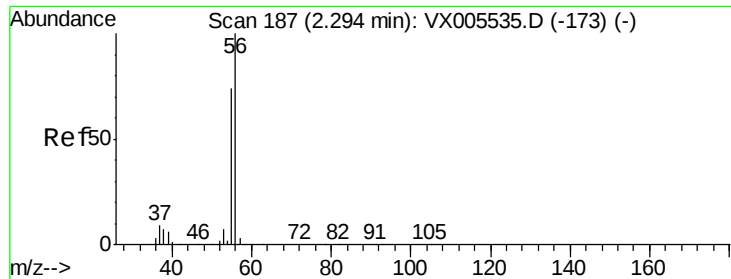


#12

1,1-Dichloroethene
Concen: 17.666 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005667.D
Acq: 29 Oct 2018 18:17

Tgt Ion	96	Resp	40370
Ion Ratio	100	Lower	Upper
61	152.3	131.8	197.8
98	57.0	53.4	80.2





#13

Acrolein

Concen: 127.462 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX005667.D

Acq: 29 Oct 2018 18:17

Instrument :

MSVOA_X

ClientSampleId :

VX1029MBS01

Tot Ion: 56 Resp: 51993

Ion Ratio Lower Upper

56 100

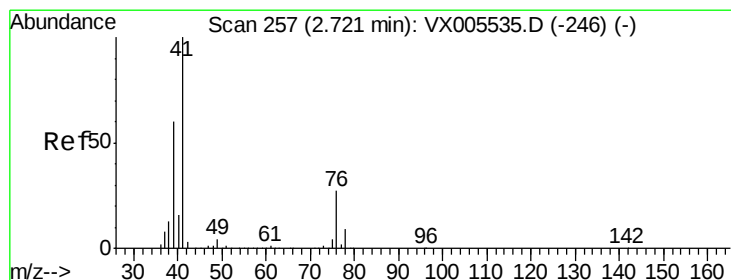
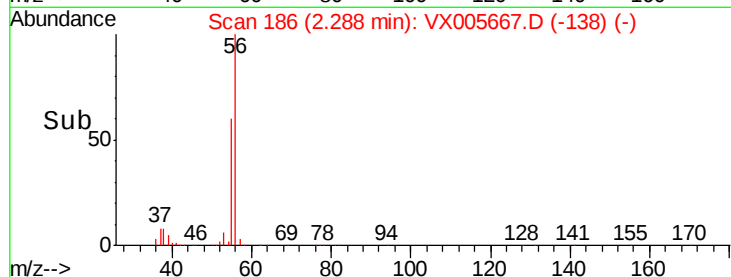
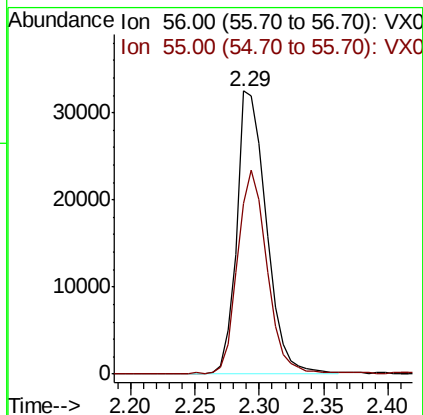
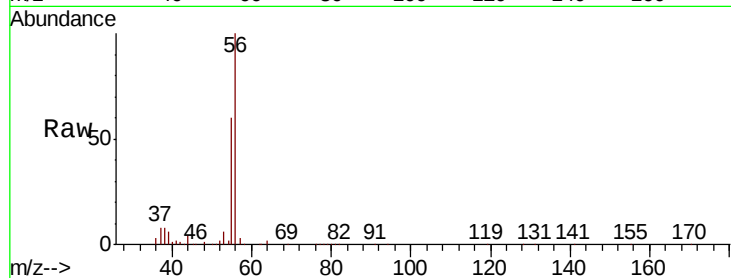
55 71.0 57.3 85.9

Manual Integrations

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#14

Allyl chloride

Concen: 17.213 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005667.D

Acq: 29 Oct 2018 18:17

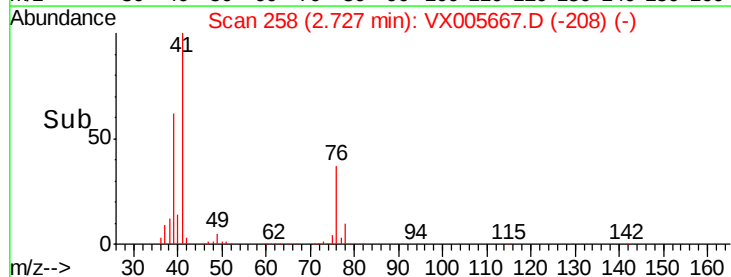
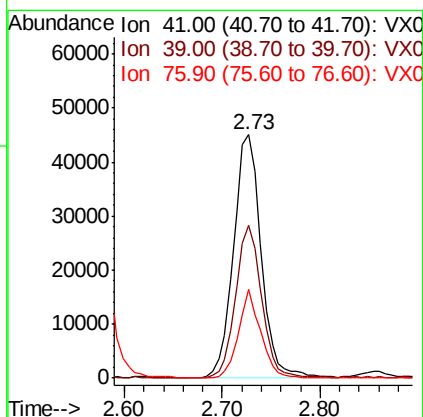
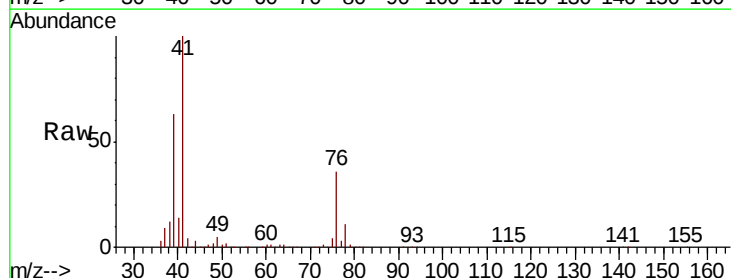
Tgt Ion: 41 Resp: 87787

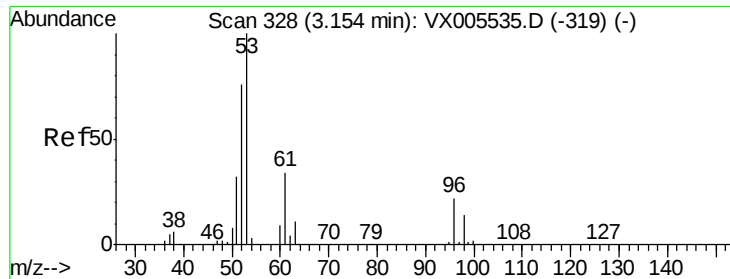
Ion Ratio Lower Upper

41 100

39 59.0 48.2 72.4

76 29.3 21.9 32.9





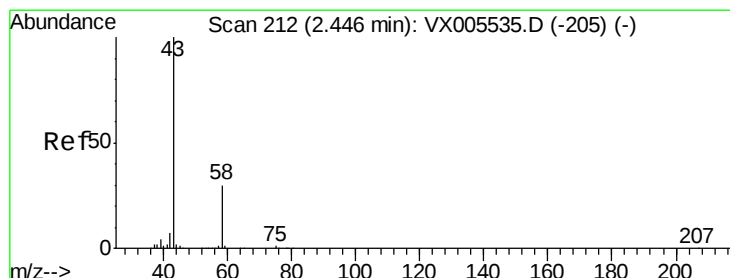
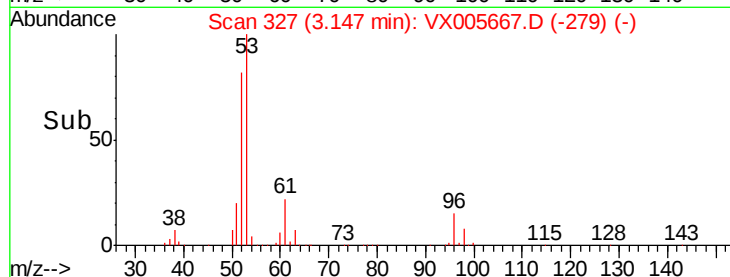
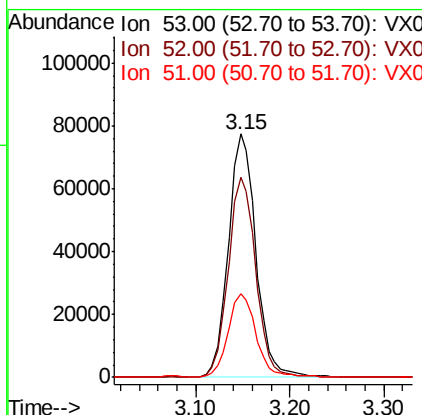
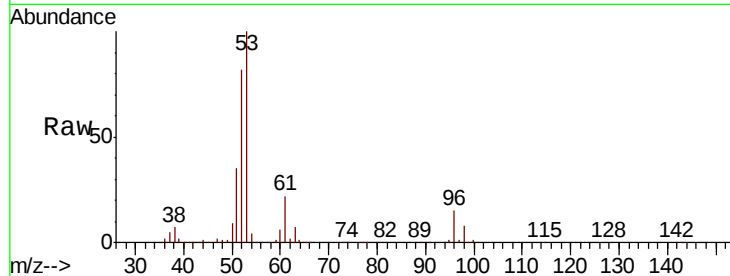
#15
 Acrylonitrile
 Concen: 86.890 ug/l
 RT: 3.15 min Scan# 327
 Delta R.T. -0.01 min
 Lab File: VX005667.D
 Acq: 29 Oct 2018 18:17

Instrument :
 MSVOA_X
 ClientSampleID :
 VX1029MBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.6	99.8
51	35.2	28.4	42.6

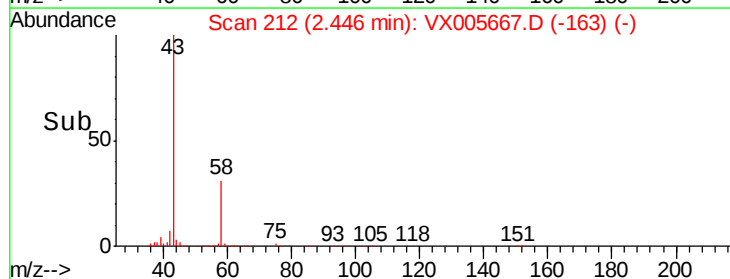
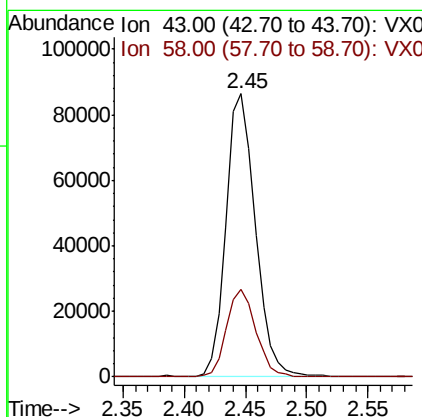
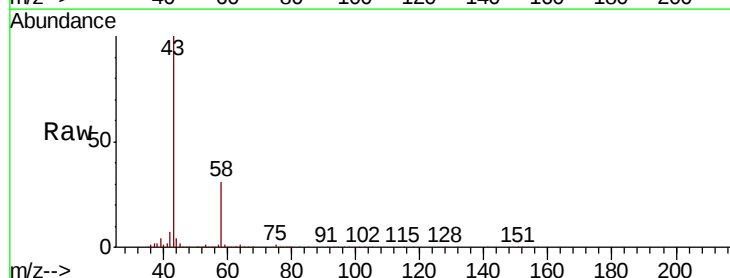
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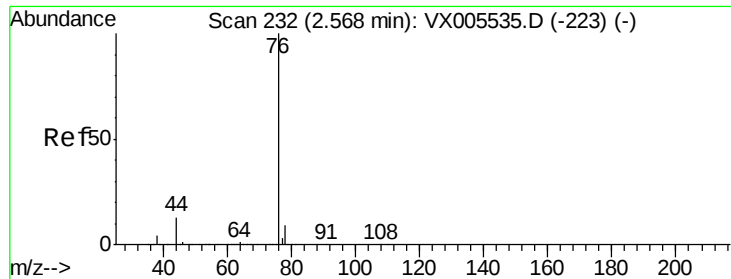
MMDadoda
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#16
 Acetone
 Concen: 91.004 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX005667.D
 Acq: 29 Oct 2018 18:17

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.0	23.8	35.6





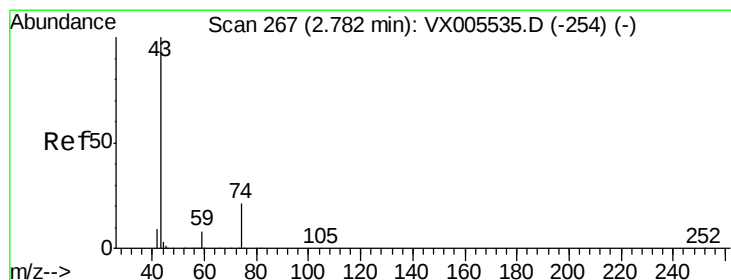
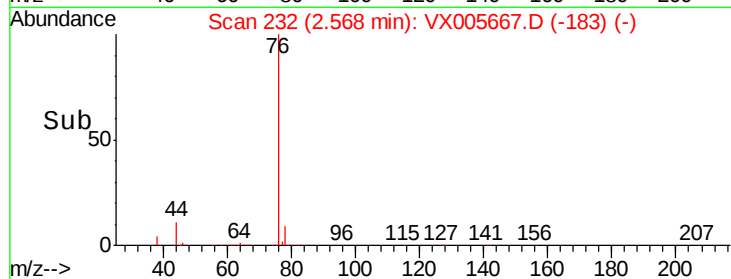
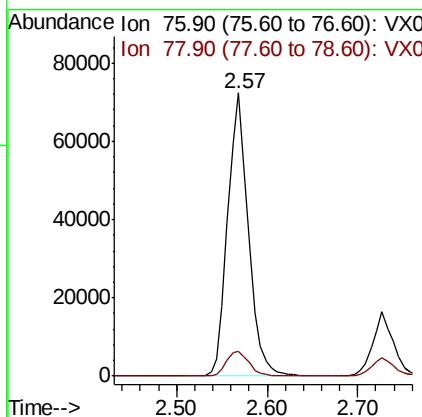
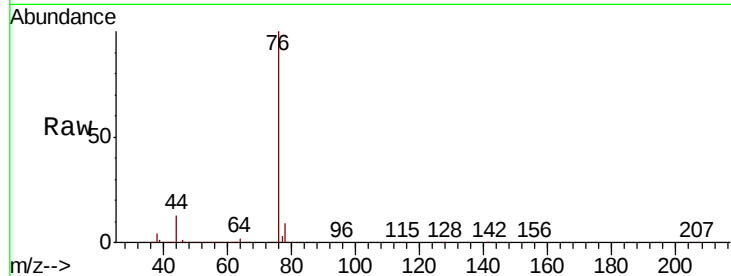
#17
Carbon Disulfide
Concen: 16.532 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005667.D
Acq: 29 Oct 2018 18:17

Instrument :
MSVOA_X
ClientSampleId :
VX1029MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9

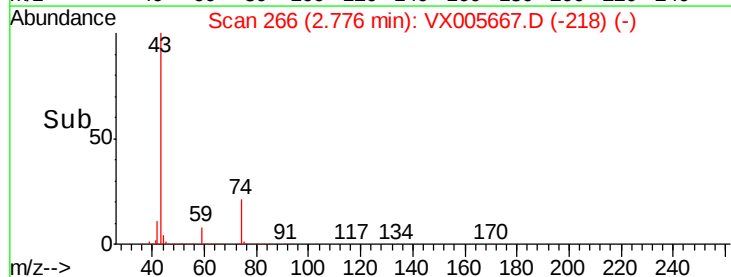
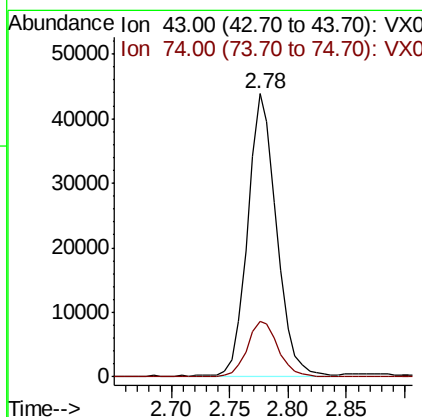
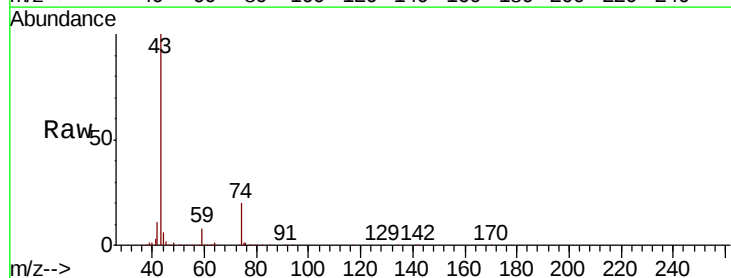
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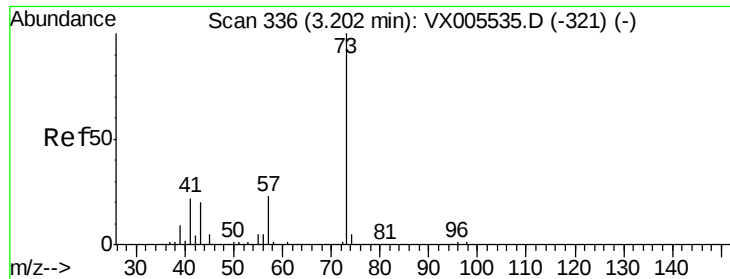
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#18
Methyl Acetate
Concen: 18.538 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005667.D
Acq: 29 Oct 2018 18:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.2	16.8	25.2





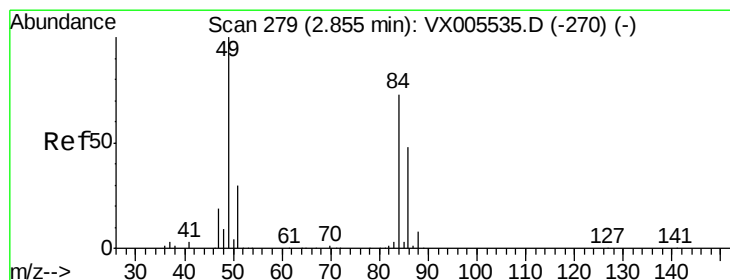
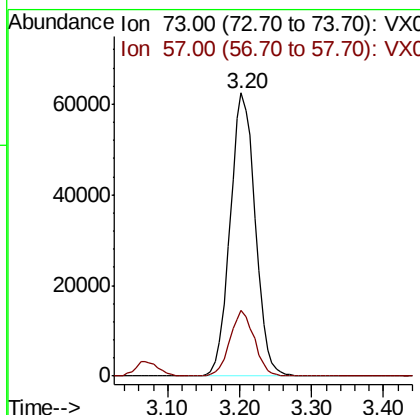
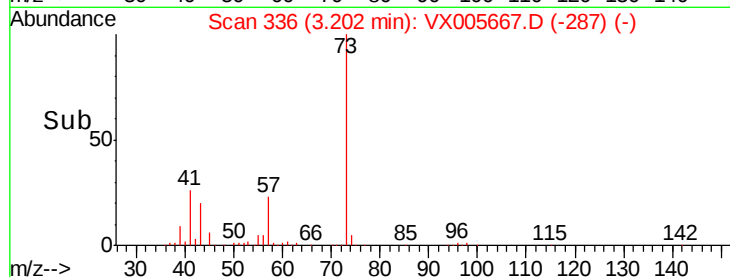
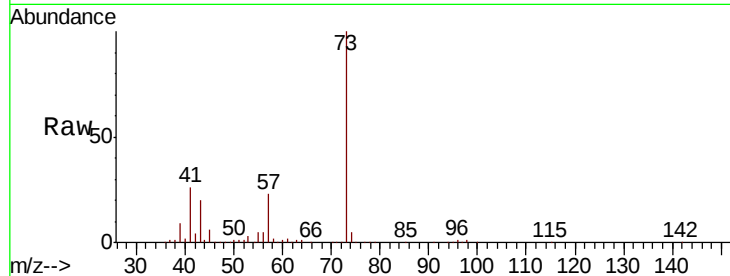
#19
Methyl tert-butyl Ether
Concen: 18.550 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX005667.D
Acq: 29 Oct 2018 18:17

Instrument :
MSVOA_X
ClientSampleId :
VX1029MBS01

Tot Ion: 73 Resp: 151206
Ion Ratio Lower Upper
73 100
57 23.3 18.8 28.2

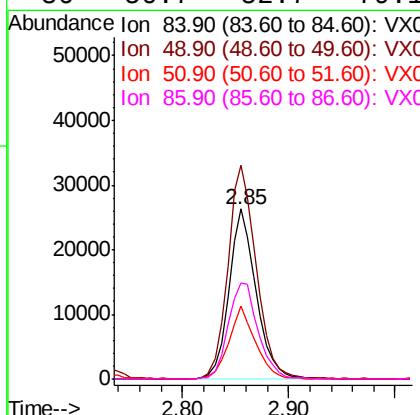
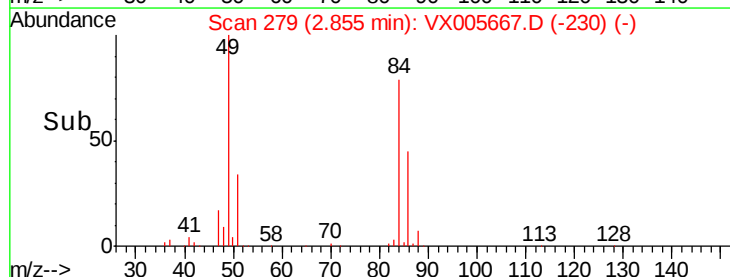
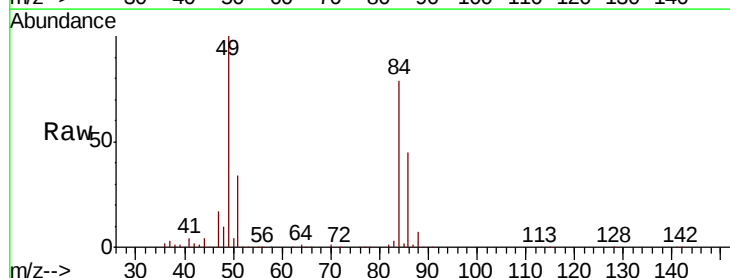
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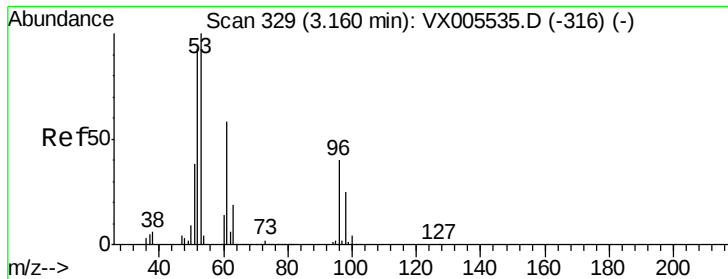
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#20
Methylene Chloride
Concen: 17.810 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX005667.D
Acq: 29 Oct 2018 18:17

Tgt Ion: 84 Resp: 46838
Ion Ratio Lower Upper
84 100
49 125.8 109.5 164.3
51 42.7 33.3 49.9
86 56.7 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 17.285 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX005667.D

Acq: 29 Oct 2018 18:17

Instrument :

MSVOA_X

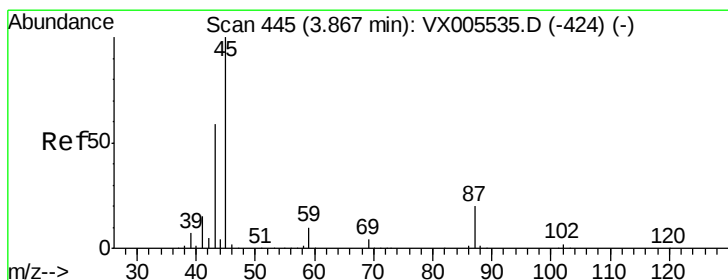
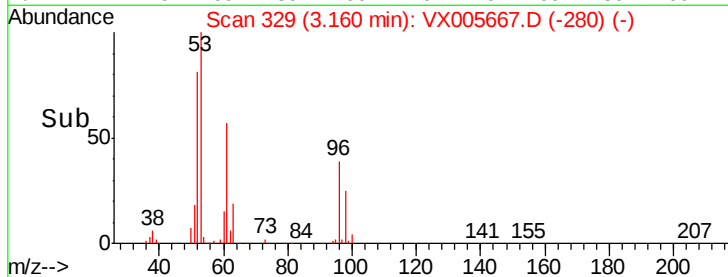
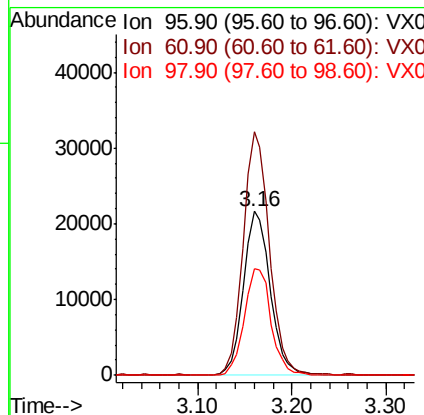
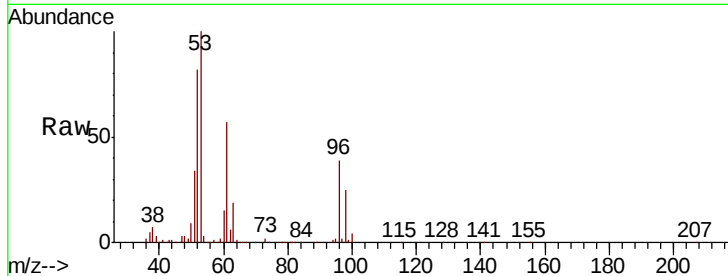
ClientSampleId :

VX1029MBS01

Tot Ion:	96	Resp:	43126
Ion	Ratio	Lower	Upper
96	100		
61	148.1	115.6	173.4
98	64.7	50.2	75.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.378 ug/l

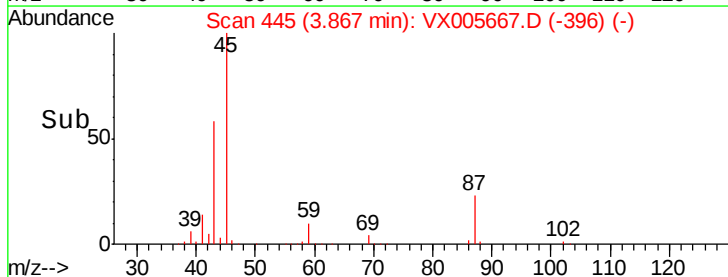
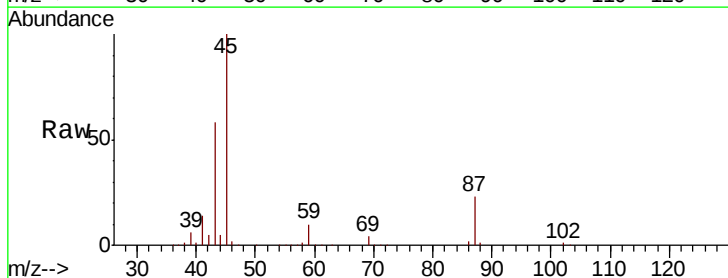
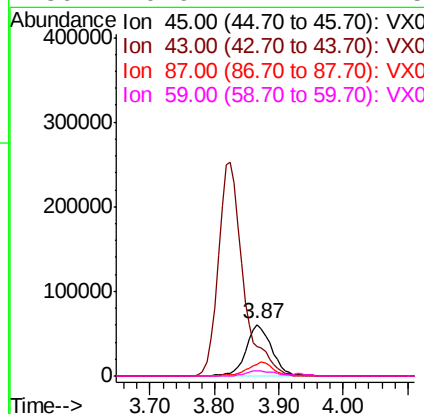
RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX005667.D

Acq: 29 Oct 2018 18:17

Tgt Ion:	45	Resp:	163679
Ion	Ratio	Lower	Upper
45	100		
43	58.0	47.4	71.2
87	22.8	15.9	23.9
59	9.9	7.7	11.5





#23

Vinyl Acetate

Concen: 88.000 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX005667.D

Acq: 29 Oct 2018 18:17

Instrument :

MSVOA_X

ClientSampleId :

VX1029MBS01

Tot Ion: 43 Resp: 690242

Ion Ratio Lower Upper

43 100

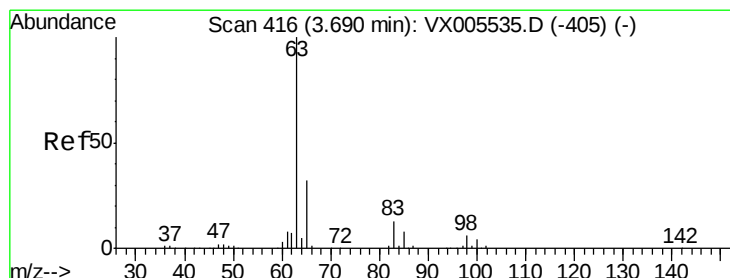
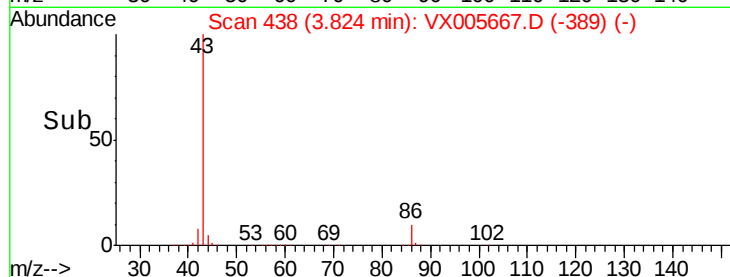
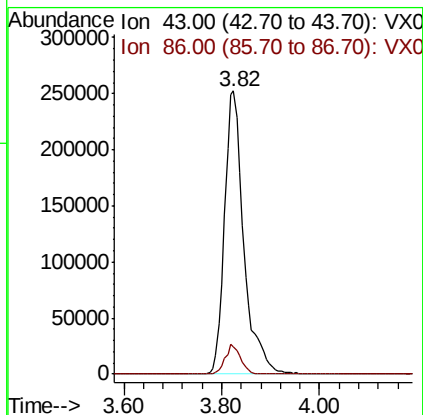
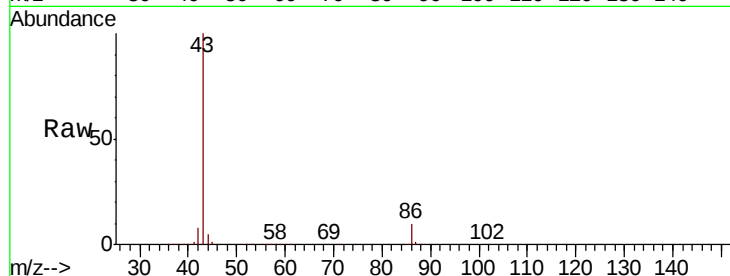
86 9.7 7.4 11.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 17.849 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX005667.D

Acq: 29 Oct 2018 18:17

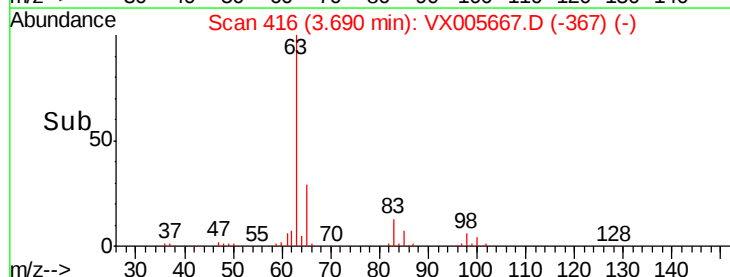
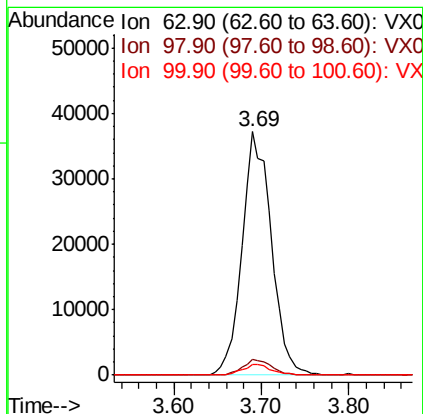
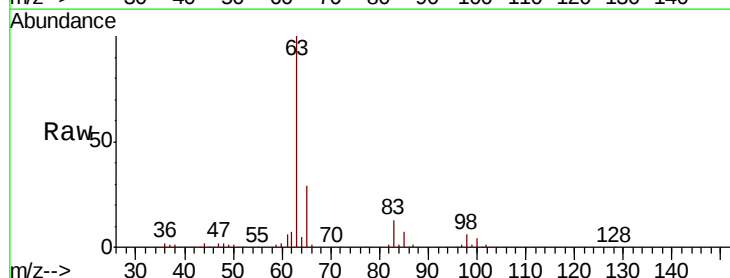
Tgt Ion: 63 Resp: 86424

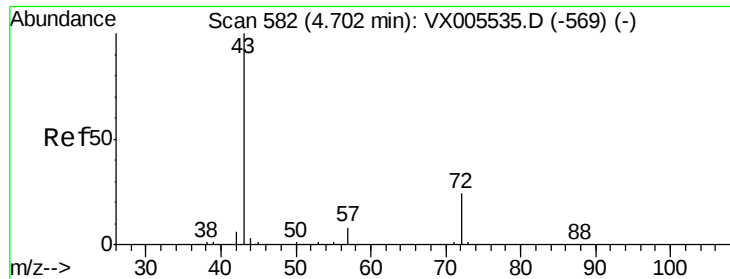
Ion Ratio Lower Upper

63 100

98 6.2 3.2 9.6

100 4.1 2.1 6.2





#25

2-Butanone

Concen: 89.611 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX005667.D

Acq: 29 Oct 2018 18:17

Instrument :

MSVOA_X

ClientSampleId :

VX1029MBS01

Tot Ion: 43 Resp: 214275

Ion Ratio Lower Upper

43 100

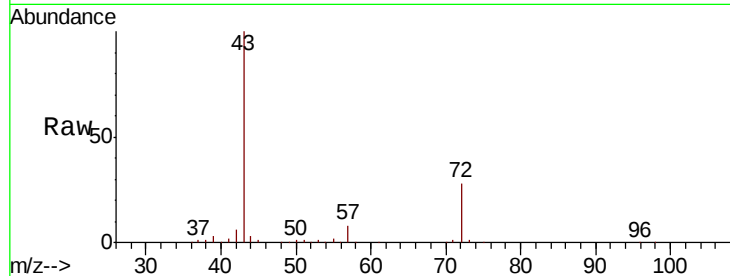
72 27.7 19.2 28.8

Manual Integrations

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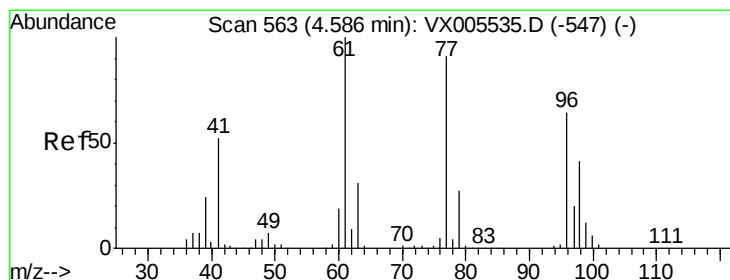
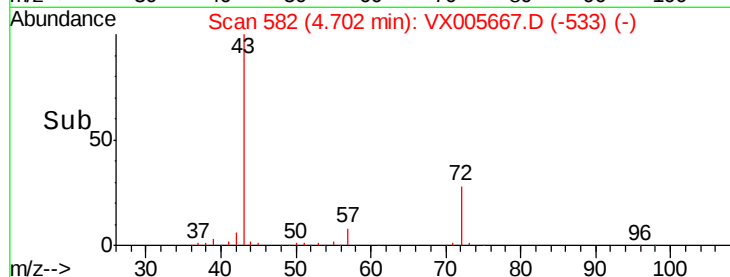
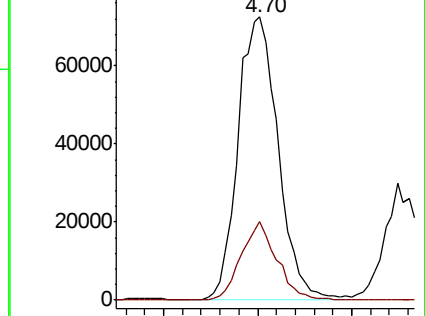
MMDadoda

10/30/2018 10:50:56 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 16.973 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX005667.D

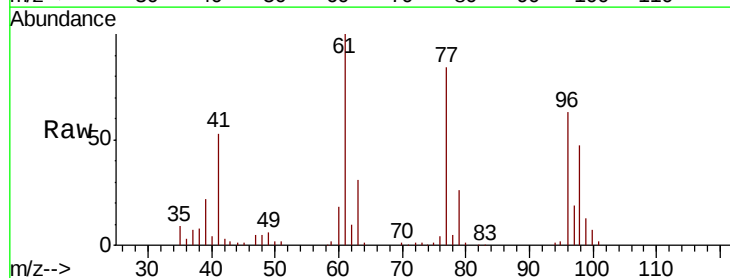
Acq: 29 Oct 2018 18:17

Tgt Ion: 77 Resp: 63449

Ion Ratio Lower Upper

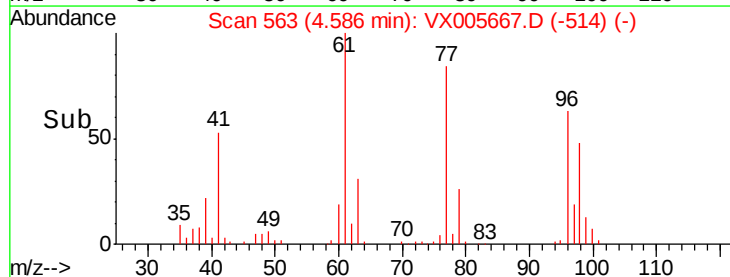
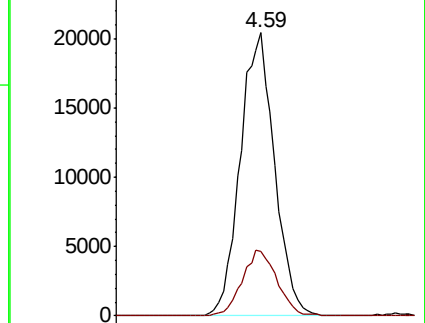
77 100

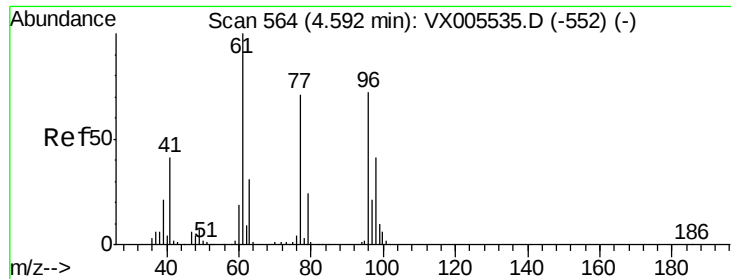
97 23.4 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

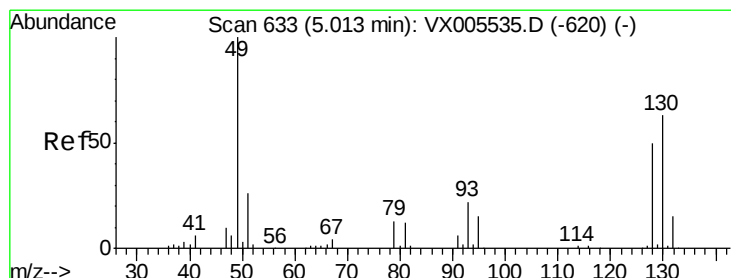
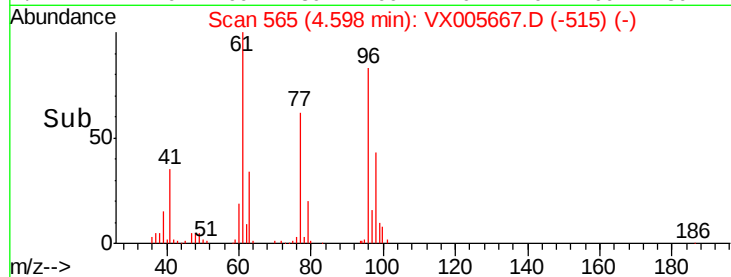
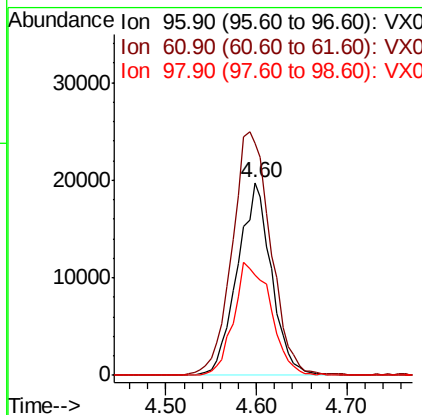
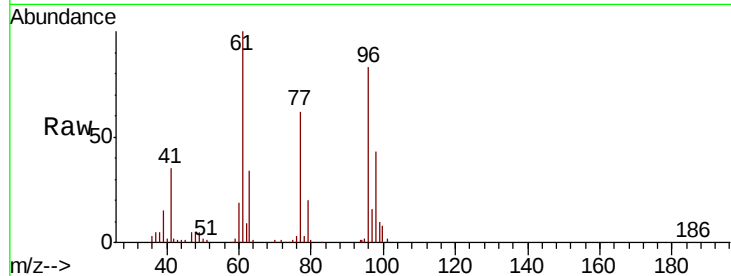
cis-1,2-Dichloroethene
Concen: 19.030 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX005667.D
Acq: 29 Oct 2018 18:17

Instrument :
MSVOA_X
ClientSampleId :
VX1029MBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	143.8	0.0	304.6	
98	64.0	0.0	127.4	

Manual Integrations
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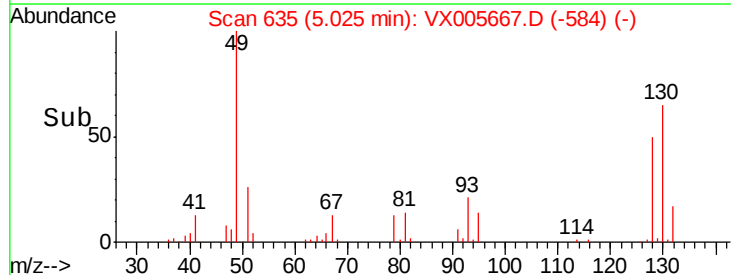
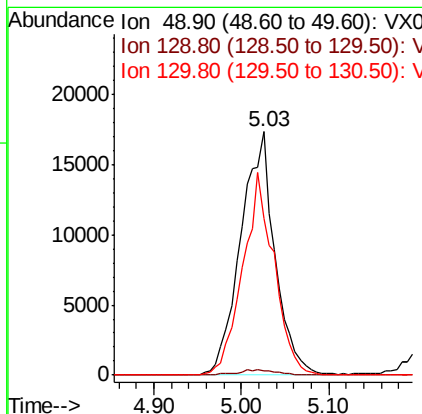
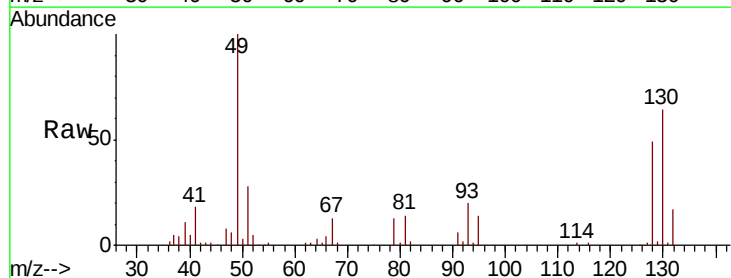
MMDadoda
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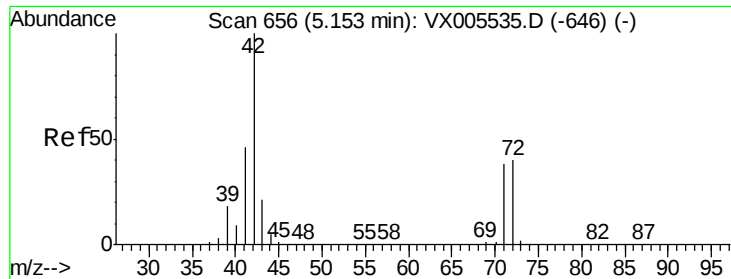


#28

Bromochloromethane
Concen: 20.139 ug/l
RT: 5.03 min Scan# 635
Delta R.T. 0.01 min
Lab File: VX005667.D
Acq: 29 Oct 2018 18:17

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.4	0.0	4.0	
130	76.0	58.9	88.3	





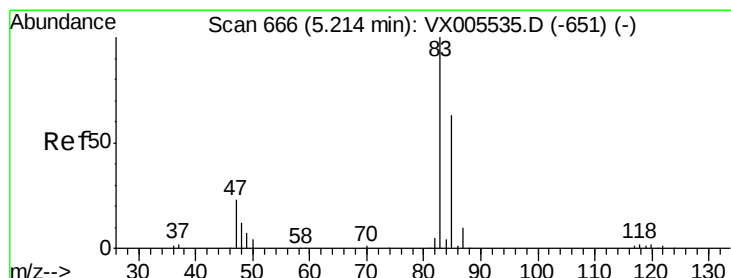
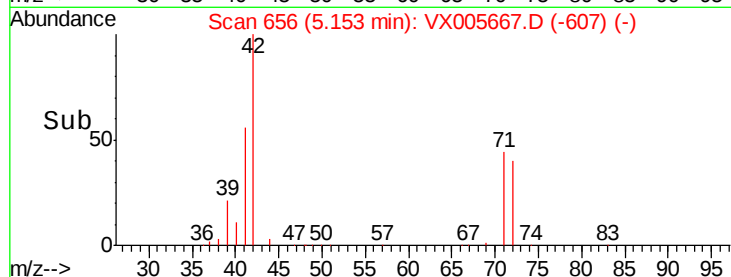
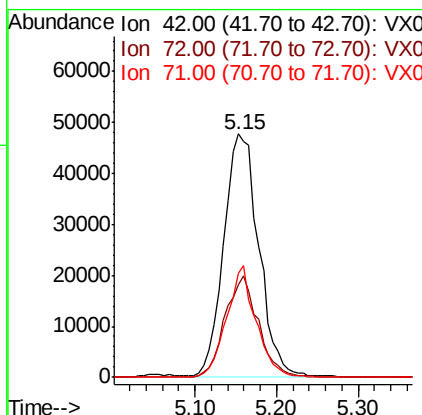
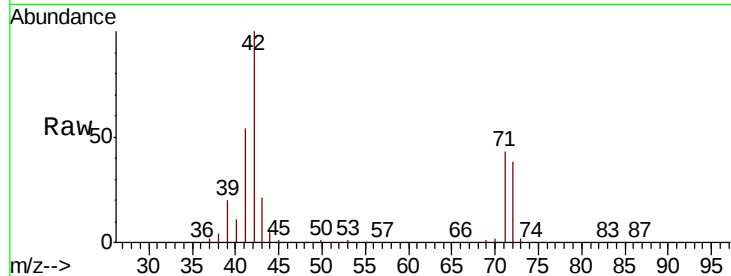
#29
Tetrahydrofuran
Concen: 90.752 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX005667.D
Acq: 29 Oct 2018 18:17

Instrument :
MSVOA_X
ClientSampleId :
VX1029MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.2	32.0	48.0
71	38.8	29.8	44.8

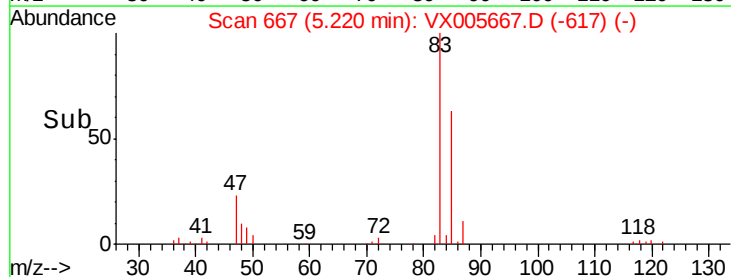
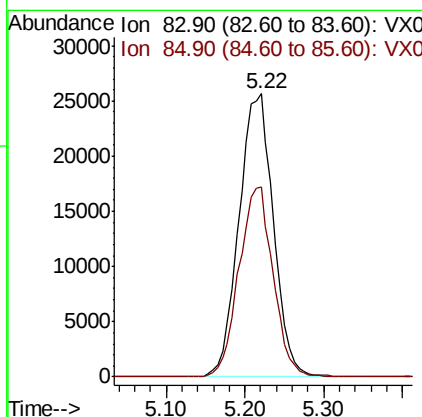
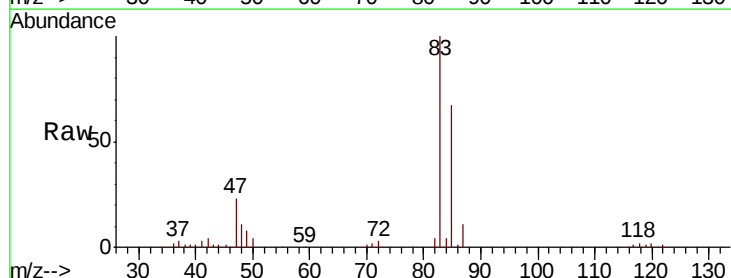
Manual Integrations
APPROVED

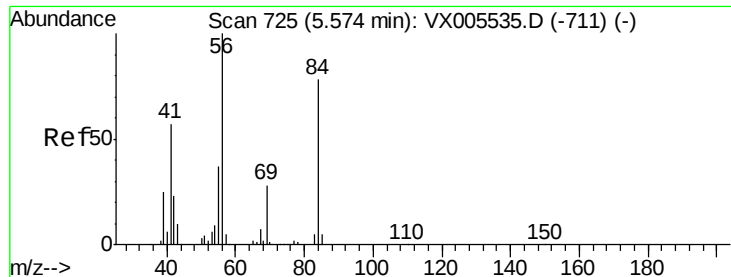
MMDadoda
10/30/2018 10:50:56 AM



#30
Chloroform
Concen: 17.202 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX005667.D
Acq: 29 Oct 2018 18:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.2	50.6	76.0





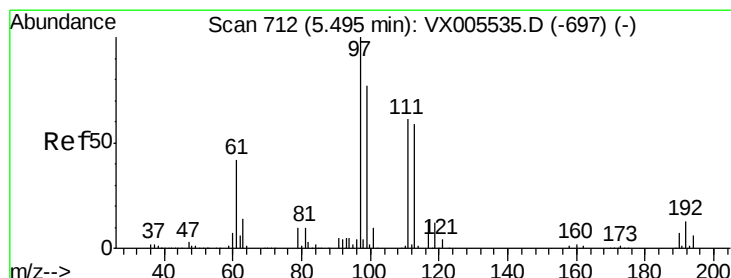
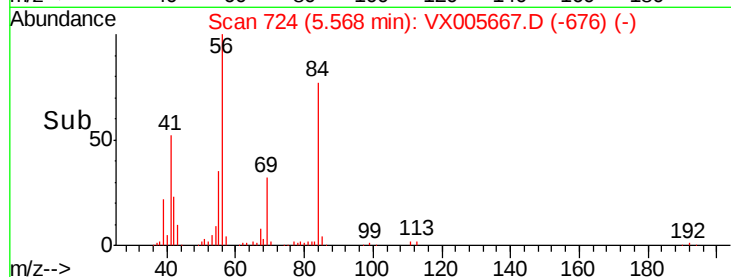
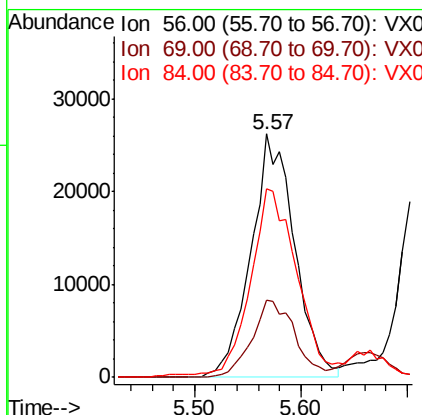
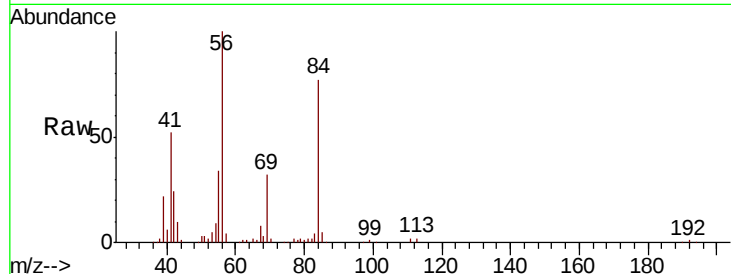
#31
Cyclohexane
Concen: 18.715 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.01 min
Lab File: VX005667.D
Acq: 29 Oct 2018 18:17

Instrument :
MSVOA_X
ClientSampleId :
VX1029MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.7	22.6	34.0
84	75.9	62.7	94.1

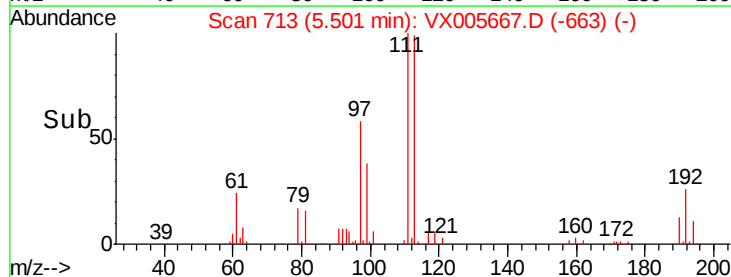
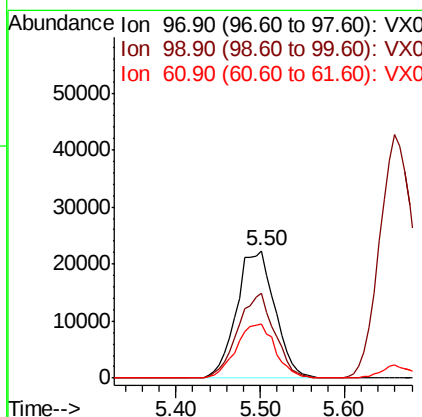
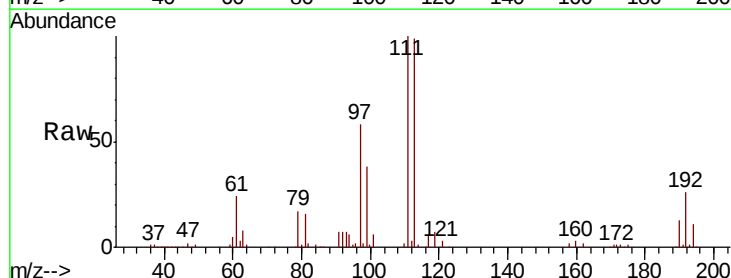
Manual Integrations
APPROVED

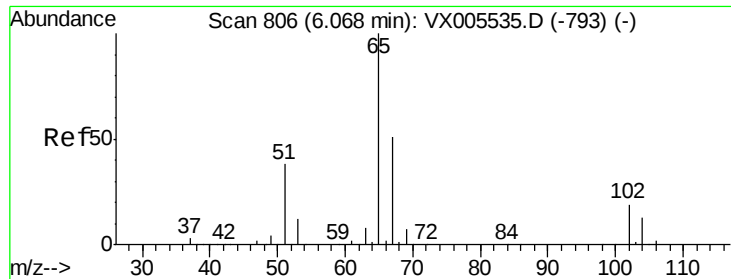
MMDadoda
10/30/2018 10:50:56 AM



#32
1,1,1-Trichloroethane
Concen: 17.197 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX005667.D
Acq: 29 Oct 2018 18:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.3	78.5
61	43.2	35.2	52.8





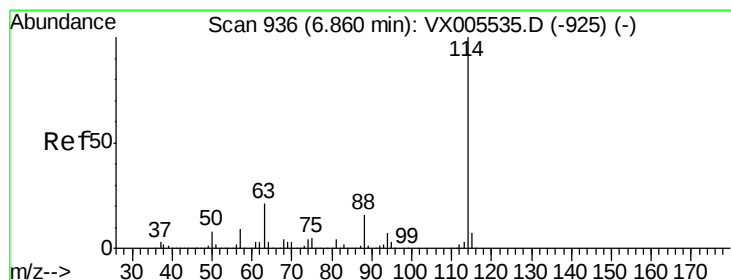
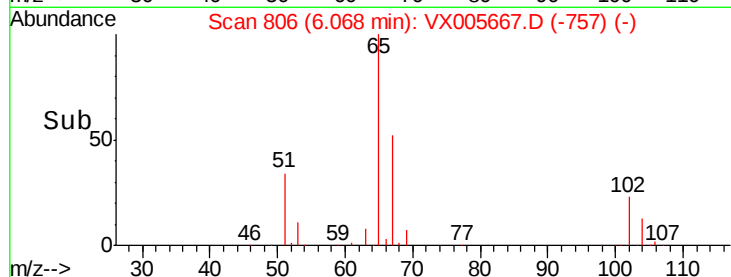
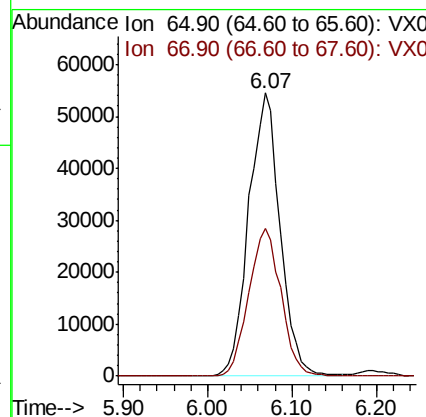
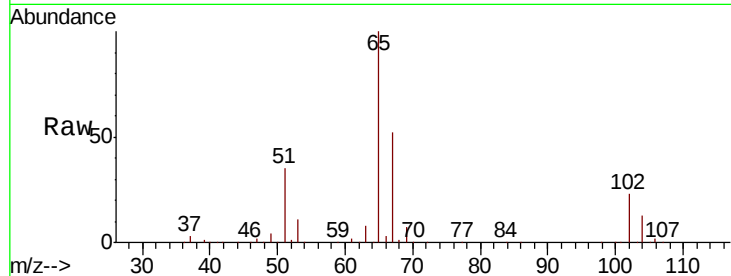
#33
 1,2-Dichloroethane-d4
 Concen: 46.151 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005667.D
 Acq: 29 Oct 2018 18:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	137144		
67	53.8	0.0	105.0	

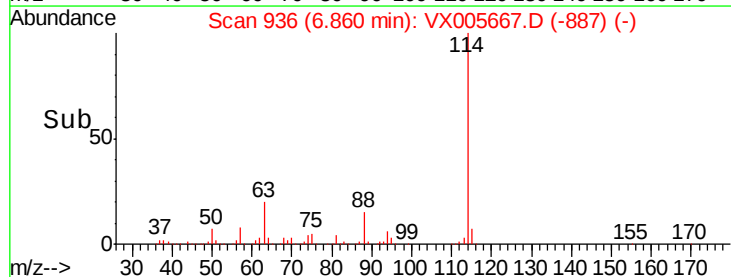
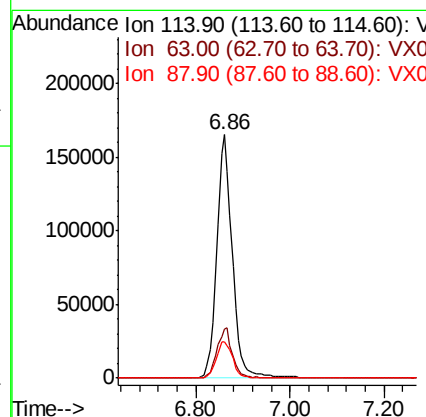
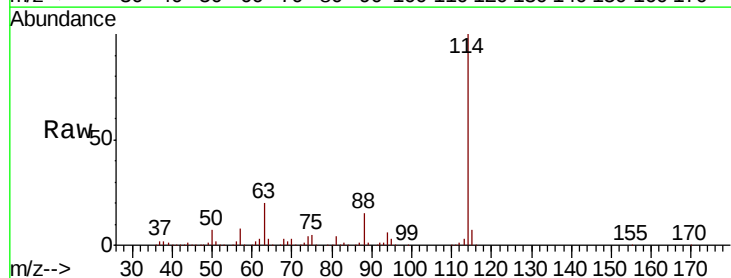
Manual Integrations
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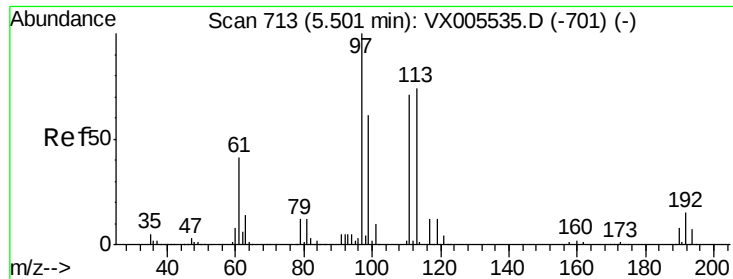
MMDadoda
 10/30/2018 10:50:56 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005667.D
 Acq: 29 Oct 2018 18:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	376306		
63	19.9	0.0	42.8	
88	14.9	0.0	31.2	





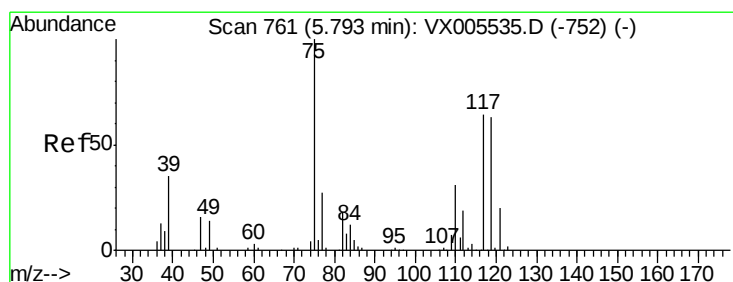
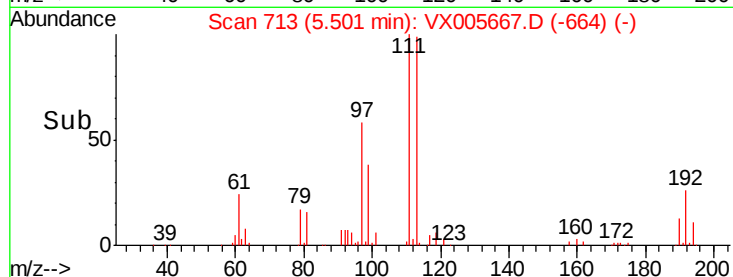
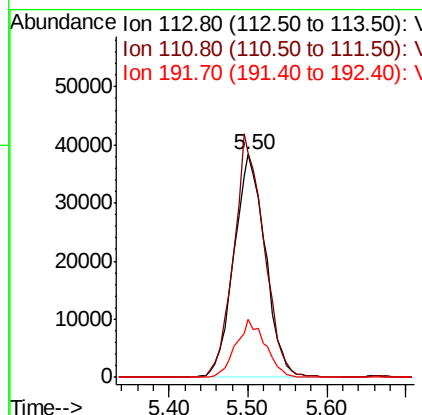
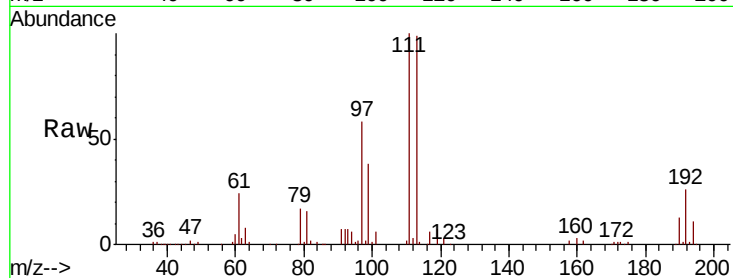
#35
Dibromofluoromethane
Concen: 41.703 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX005667.D
Acq: 29 Oct 2018 18:17

Instrument :
MSVOA_X
ClientSampleId :
VX1029MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	104.9	82.3	123.5	
192	24.4	17.9	26.9	

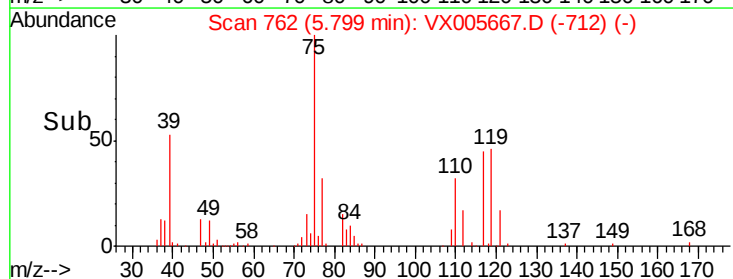
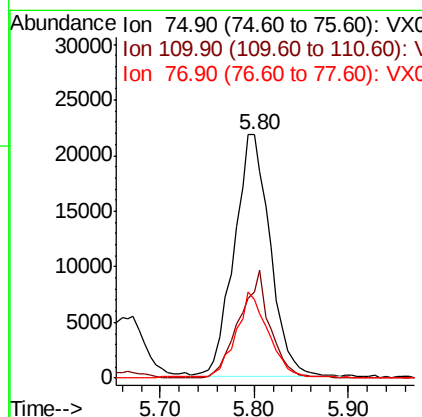
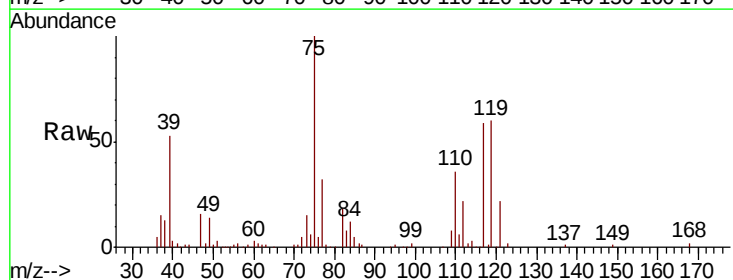
Manual Integrations
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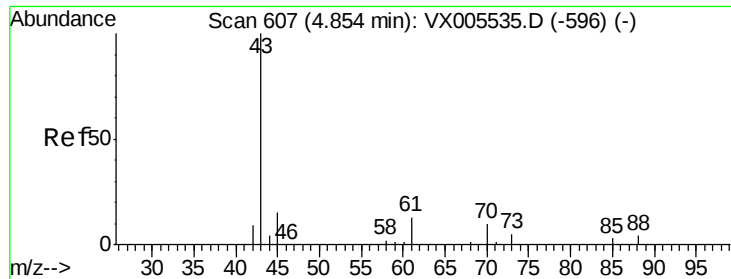
MMDadoda
10/30/2018 10:50:56 AM



#36
1,1-Dichloropropene
Concen: 15.876 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.01 min
Lab File: VX005667.D
Acq: 29 Oct 2018 18:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.3	17.4	52.2	
77	33.0	25.8	38.6	





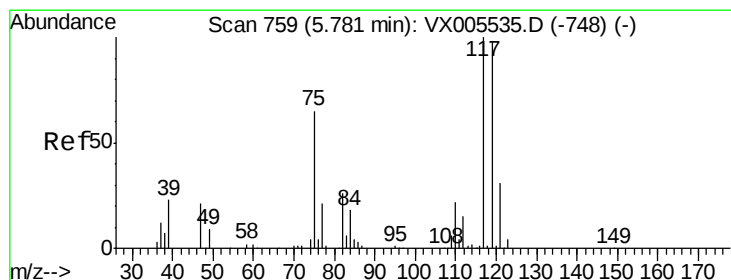
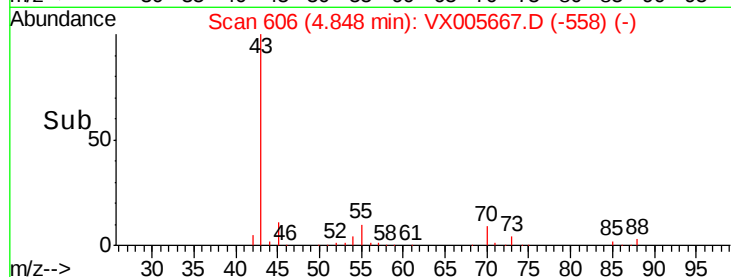
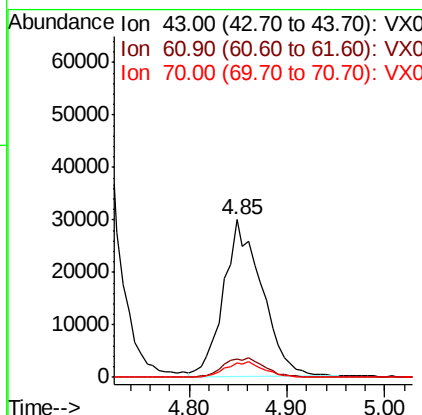
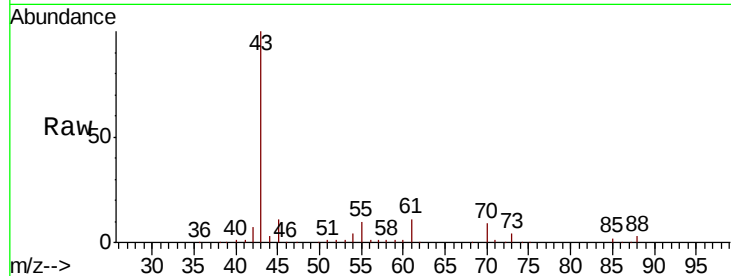
#37
Ethyl Acetate
Concen: 17.499 ug/l
RT: 4.85 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX005667.D
Acq: 29 Oct 2018 18:17

Instrument :
MSVOA_X
ClientSampleId :
VX1029MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.8	16.2
70	10.3	7.8	11.8

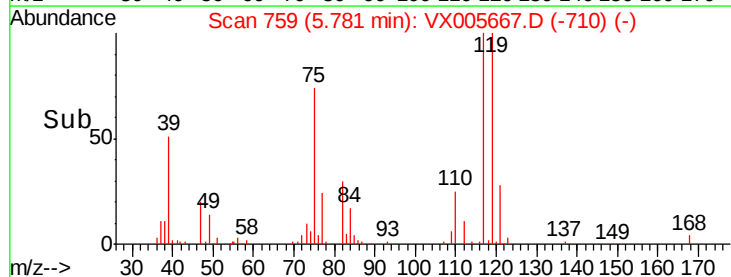
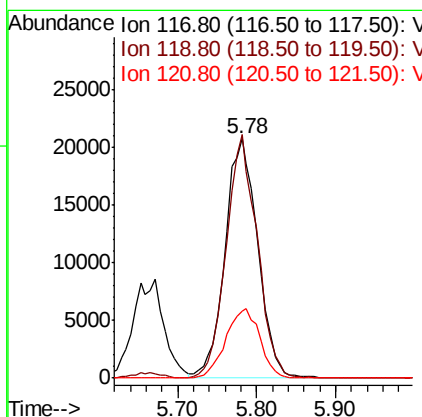
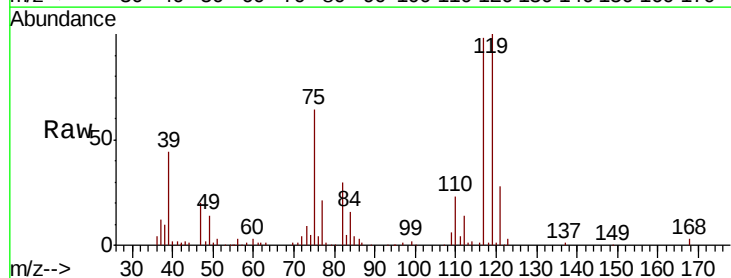
Manual Integrations
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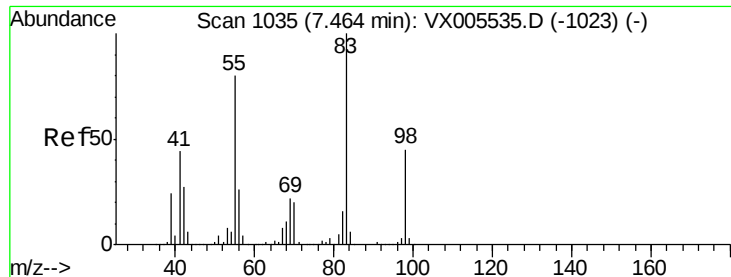
MMDadoda
10/30/2018 10:50:56 AM



#38
Carbon Tetrachloride
Concen: 15.521 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX005667.D
Acq: 29 Oct 2018 18:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.7	78.1	117.1
121	28.1	24.6	36.8





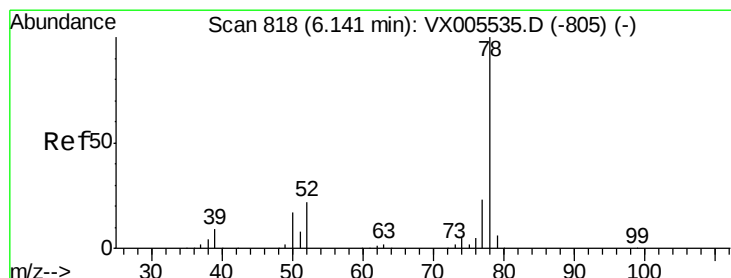
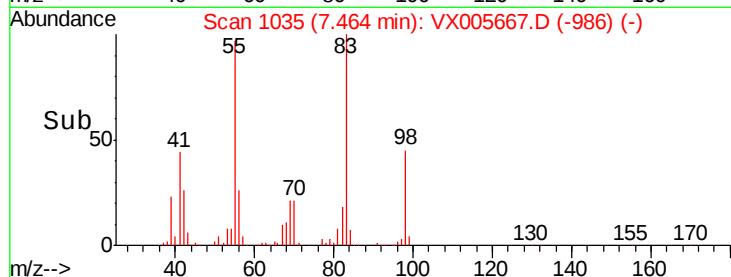
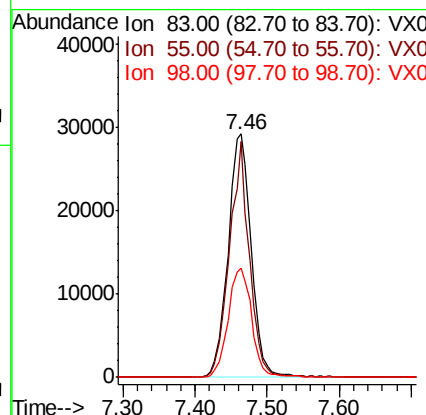
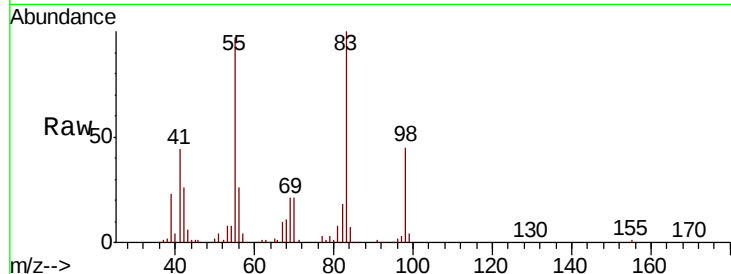
#39
Methvlcvclohexane
Concen: 16.222 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX005667.D
Acq: 29 Oct 2018 18:17

Instrument :
MSVOA_X
ClientSampleId :
VX1029MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	97.1	63.7	95.5#
98	45.0	36.2	54.2

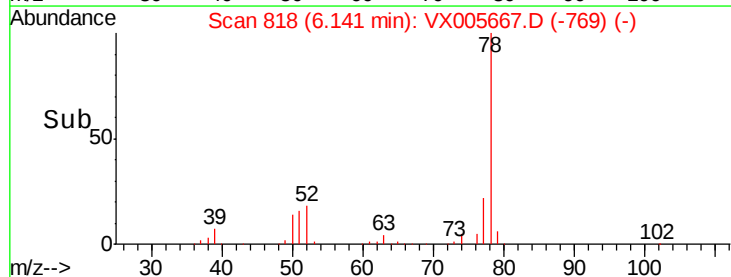
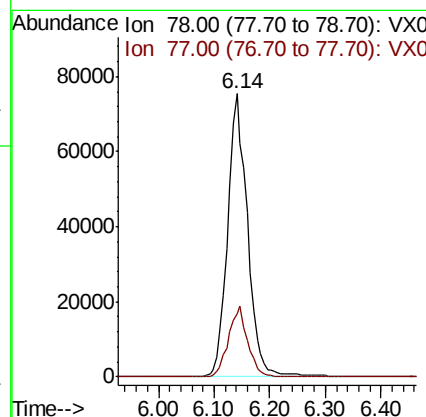
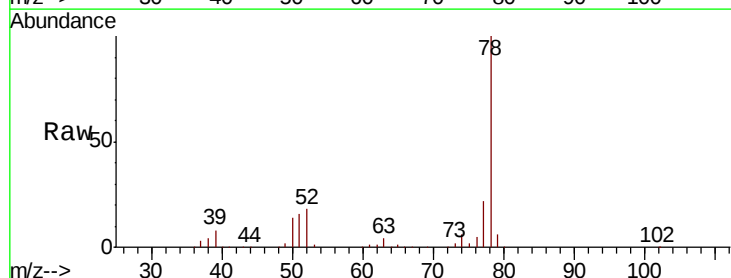
Manual Integrations
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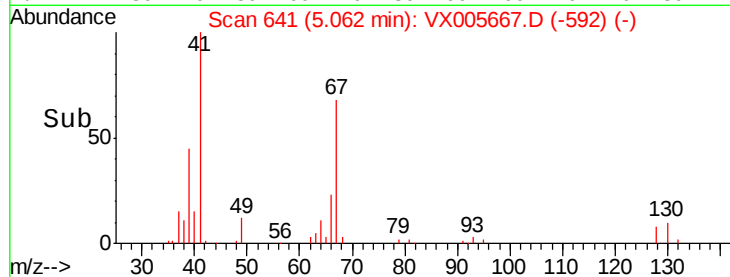
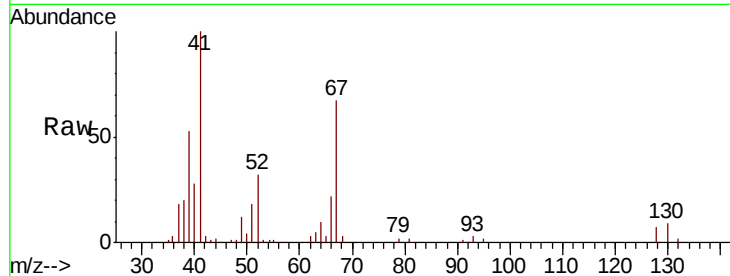
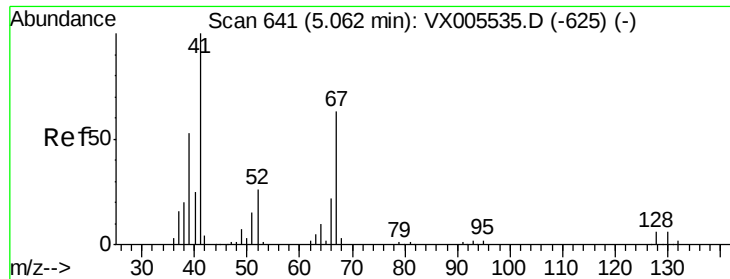
MMDadoda
10/30/2018 10:50:56 AM



#40
Benzene
Concen: 17.868 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX005667.D
Acq: 29 Oct 2018 18:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	18.4	27.6





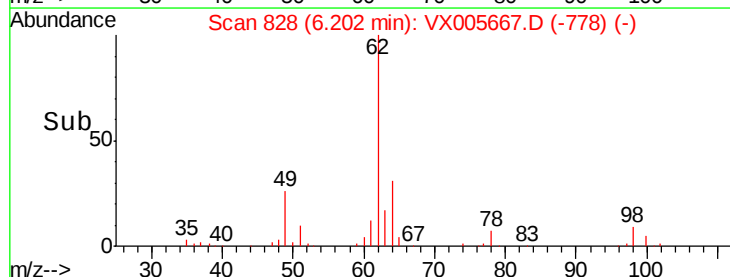
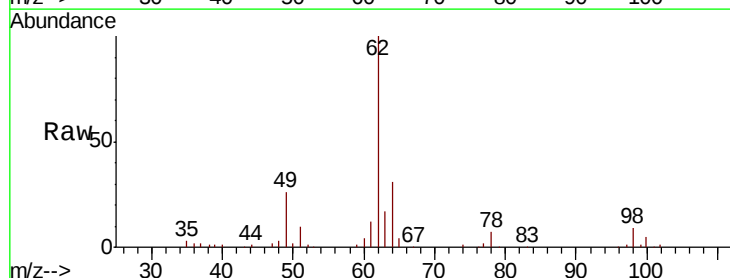
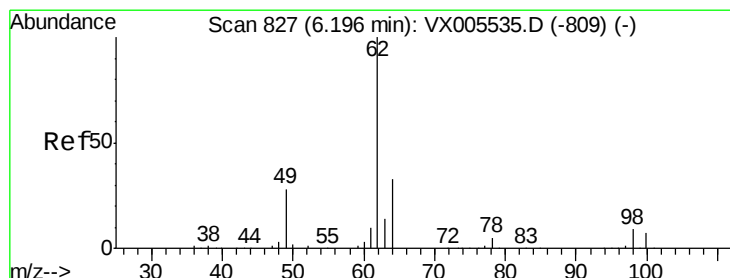
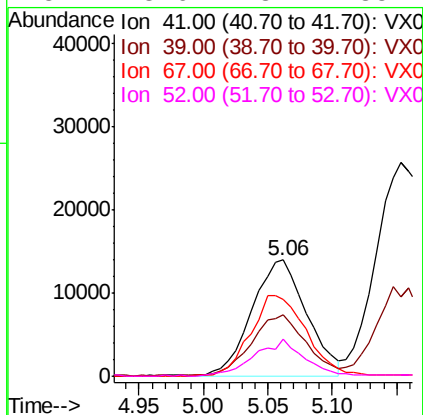
#41
Methacrylonitrile
Concen: 15.762 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX005667.D
Acq: 29 Oct 2018 18:17

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		40915		
39	52.4	42.2	63.2		
67	72.2	53.4	80.0		
52	28.6	23.4	35.2		

Instrument :
MSVOA_X
ClientSampleId :
VX1029MBS01

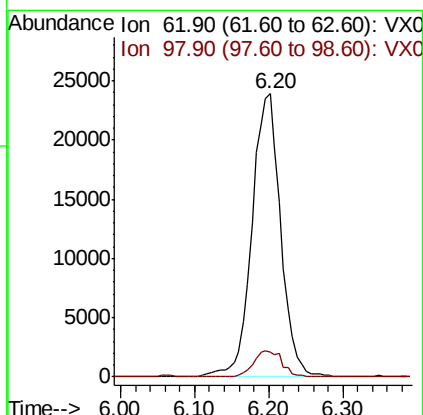
Manual Integrations
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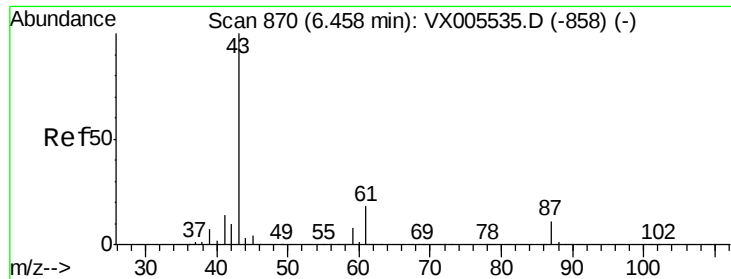
MMDadoda
10/30/2018 10:50:56 AM



#42
1,2-Dichloroethane
Concen: 16.051 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX005667.D
Acq: 29 Oct 2018 18:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		63832		
98	9.2	0.0	17.8		





#43

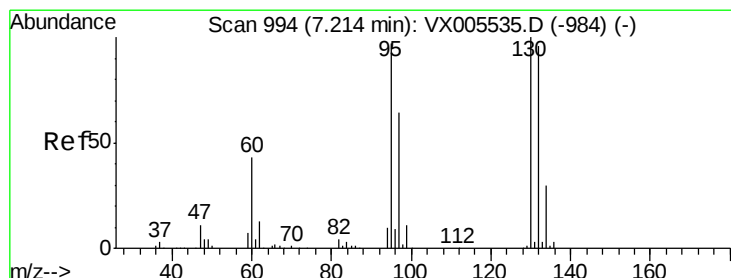
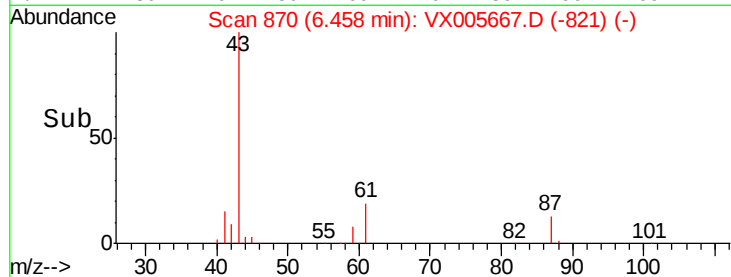
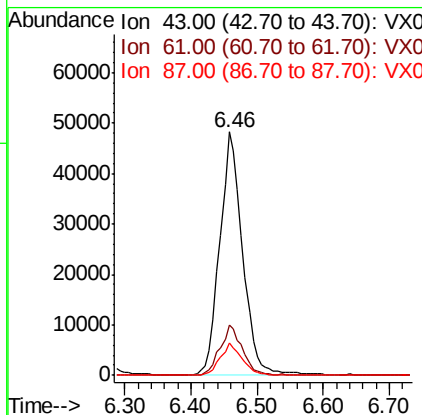
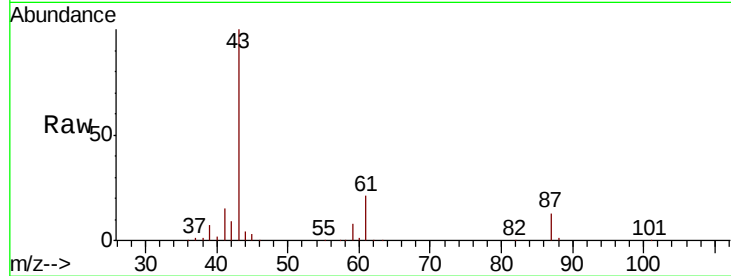
Isopropyl Acetate
 Concen: 16.388 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX005667.D
 Acq: 29 Oct 2018 18:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029MBS01

Tot Ion	43	61	87
Resp	114444		
Ratio	100	20.6	12.7
Lower		14.6	9.6
Upper		22.0	14.4

Manual Integrations
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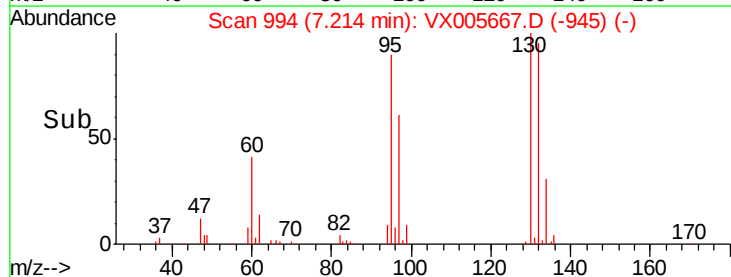
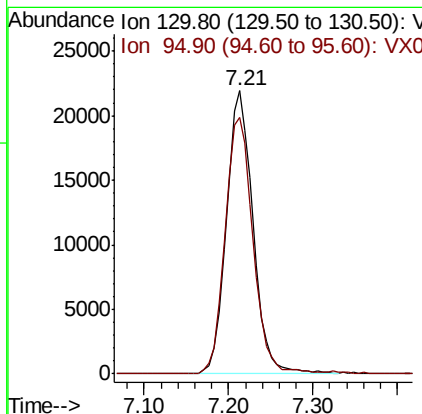
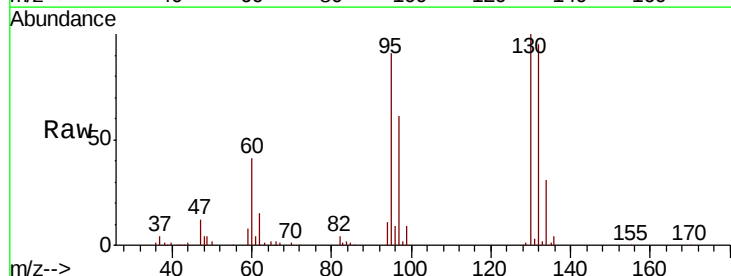
MMDadoda
 10/30/2018 10:50:56 AM

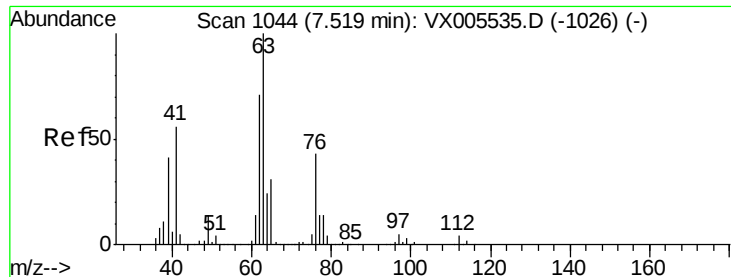


#44

Trichloroethene
 Concen: 16.529 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX005667.D
 Acq: 29 Oct 2018 18:17

Tgt Ion	130	95
Resp	47140	
Ratio	100	90.6
Lower		0.0
Upper		194.2





#45

1,2-Dichloropropane

Concen: 16.548 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX005667.D

Acq: 29 Oct 2018 18:17

Instrument :

MSVOA_X

ClientSampleId :

VX1029MBS01

Tot Ion: 63 Resp: 46575

Ion Ratio Lower Upper

63 100

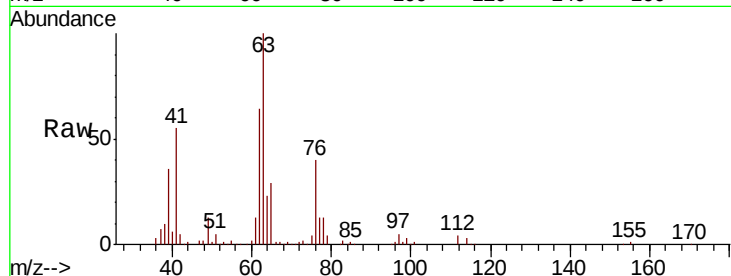
65 28.6 24.8 37.2

Manual Integrations

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MMDadoda

10/30/2018 10:50:56 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

25000

20000

15000

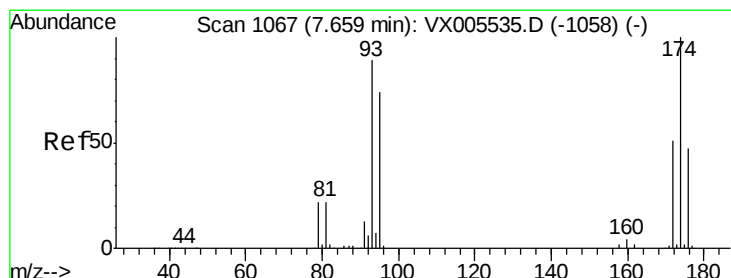
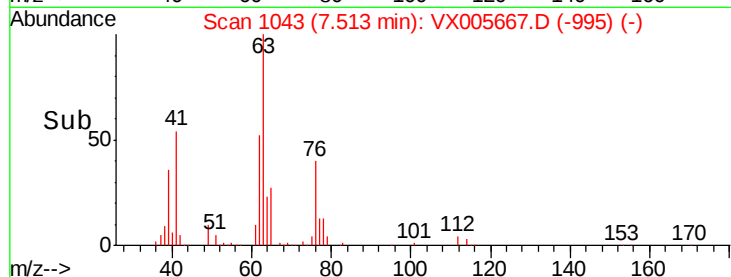
10000

5000

0

7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 16.406 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX005667.D

Acq: 29 Oct 2018 18:17

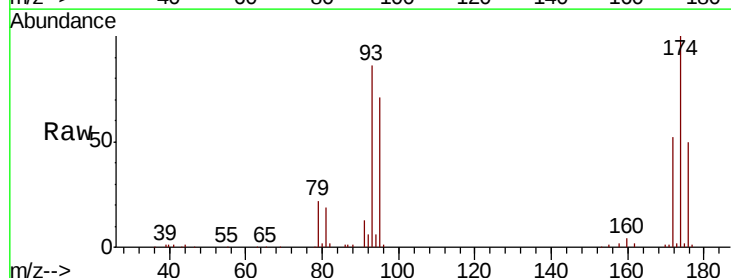
Tgt Ion: 93 Resp: 29822

Ion Ratio Lower Upper

93 100

95 82.8 67.4 101.0

174 114.3 91.5 137.3



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

20000

15000

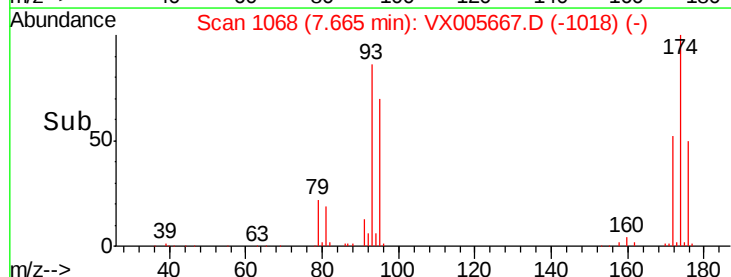
10000

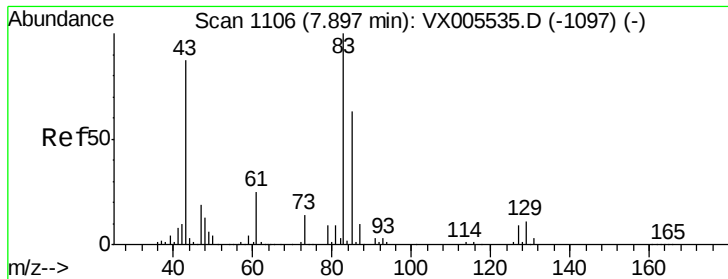
5000

0

7.55 7.60 7.65 7.70 7.75

Time-->





#47

Bromodichloromethane

Concen: 15.382 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX005667.D

Acq: 29 Oct 2018 18:17

Instrument :

MSVOA_X

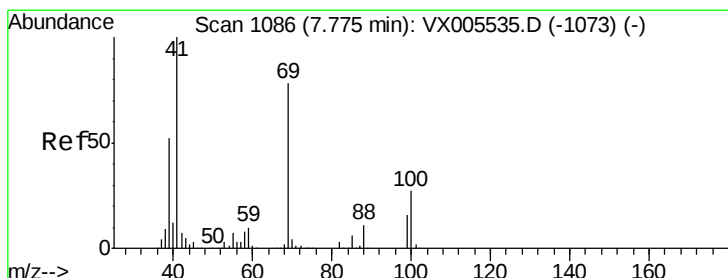
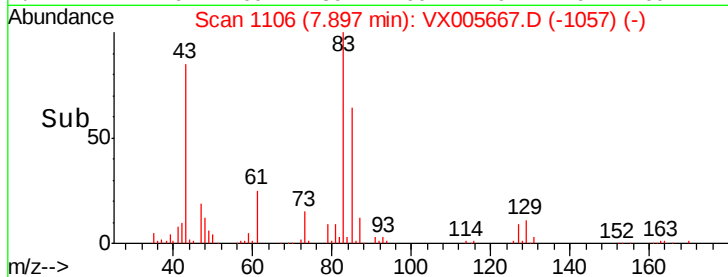
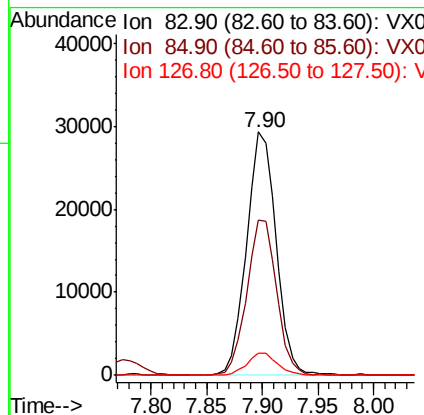
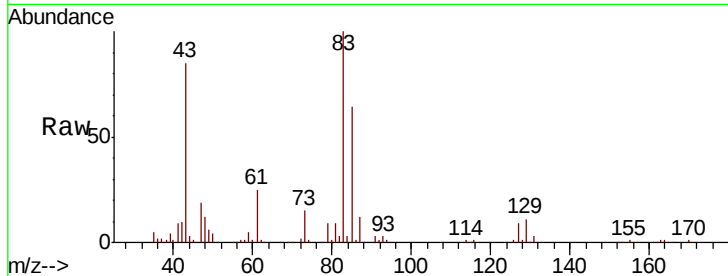
ClientSampleId :

VX1029MBS01

Tot Ion:	83	Resp:	54268
Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.2	75.4
127	9.3	6.9	10.3

Manual Integrations
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MMDadoda
10/30/2018 10:50:56 AM



#48

Methyl methacrylate

Concen: 16.483 ug/l

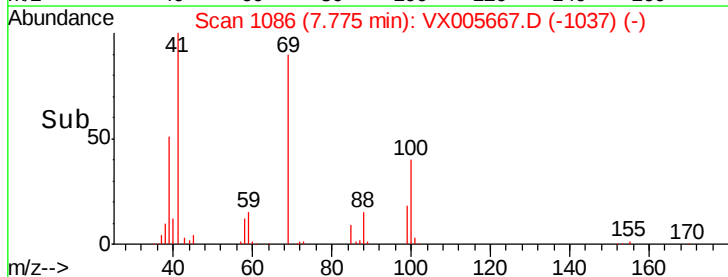
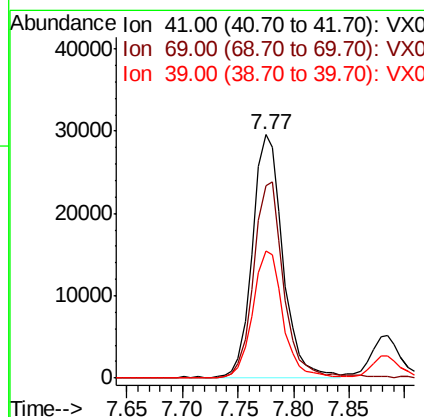
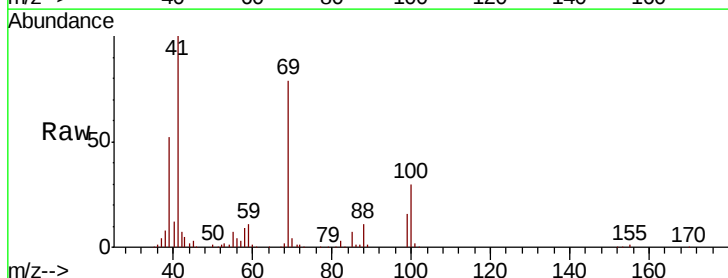
RT: 7.77 min Scan# 1086

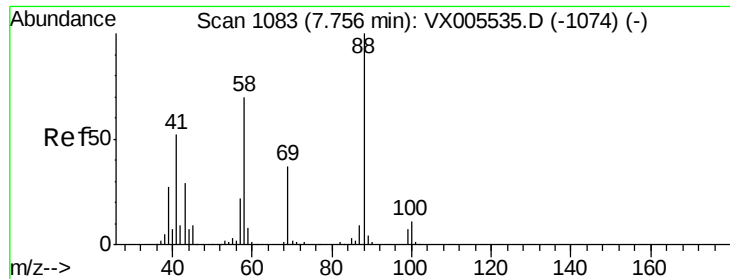
Delta R.T. -0.00 min

Lab File: VX005667.D

Acq: 29 Oct 2018 18:17

Tgt Ion:	41	Resp:	56076
Ion	Ratio	Lower	Upper
41	100		
69	80.8	63.2	94.8
39	51.7	42.2	63.2





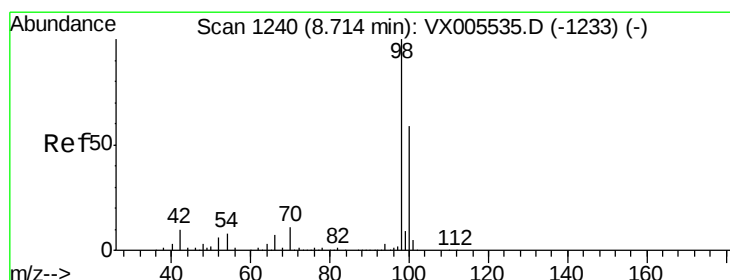
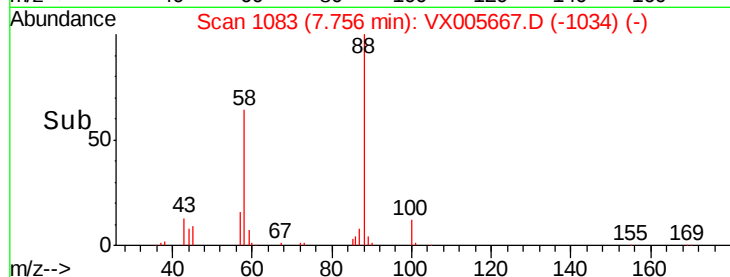
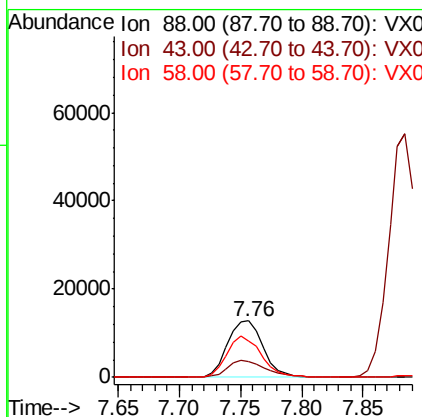
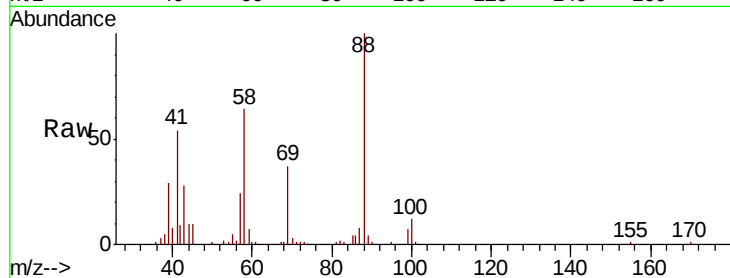
#49
1,4-Dioxane
Concen: 349.091 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005667.D
Acq: 29 Oct 2018 18:17

Instrument :
MSVOA_X
ClientSampleId :
VX1029MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.7	27.4	41.0
58	72.5	59.4	89.2

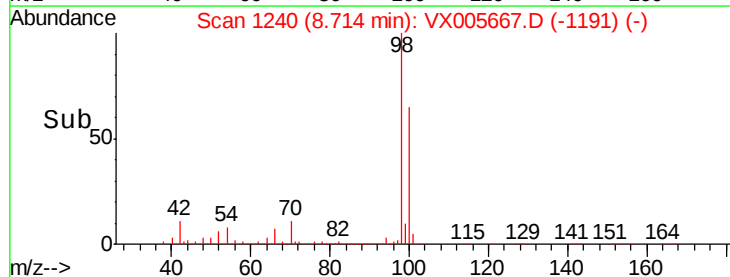
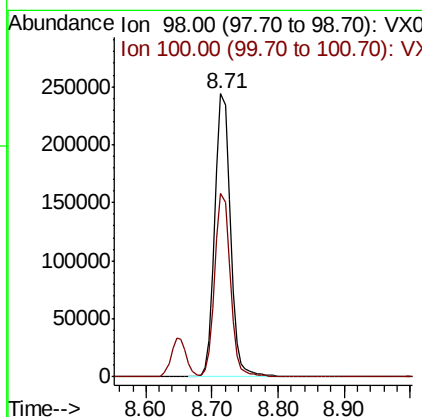
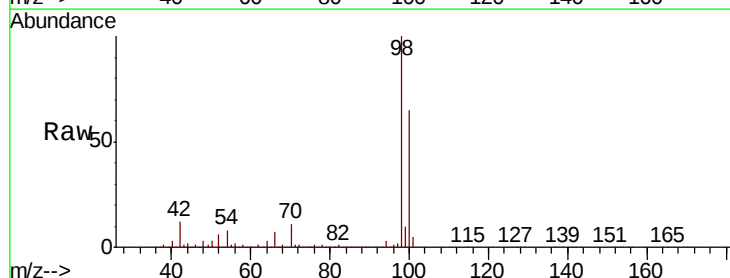
Manual Integrations
APPROVED

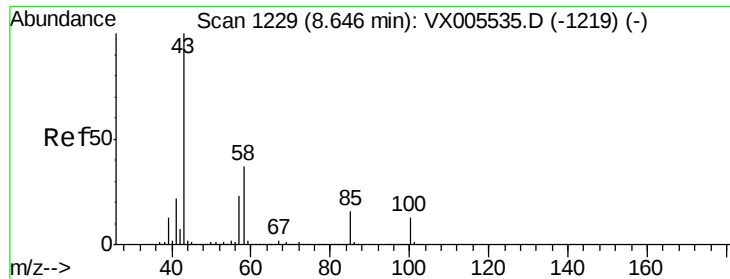
MMDadoda
10/30/2018 10:50:56 AM



#50
Toluene-d8
Concen: 43.438 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005667.D
Acq: 29 Oct 2018 18:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 82.685 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX005667.D

Acq: 29 Oct 2018 18:17

Instrument :

MSVOA_X

ClientSampled :

VX1029MBS01

Tot Ion: 43 Resp: 388055

Ion Ratio Lower Upper

43 100

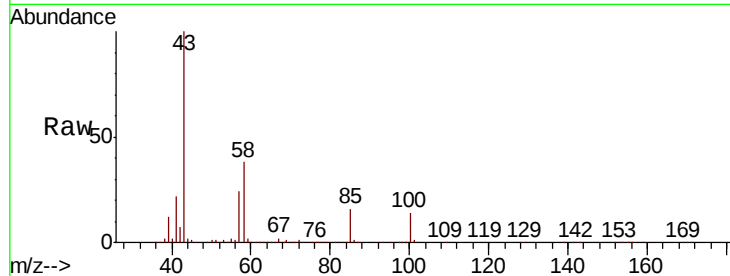
58 37.7 29.7 44.5

Manual Integrations

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MMDadoda

10/30/2018 10:50:56 AM



Abundance Ion 43.00 (42.70 to 43.70): VX005535.D (-1219) (-)

Ion 58.00 (57.70 to 58.70): VX005535.D (-1219) (-)

8.65

250000

200000

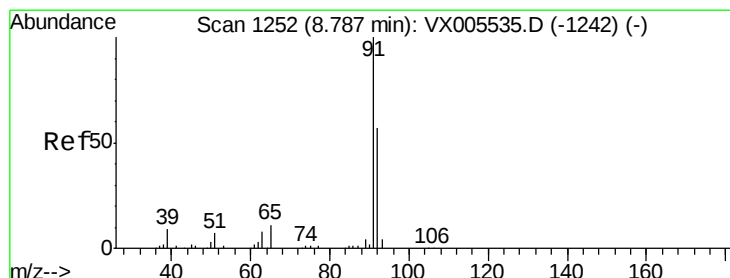
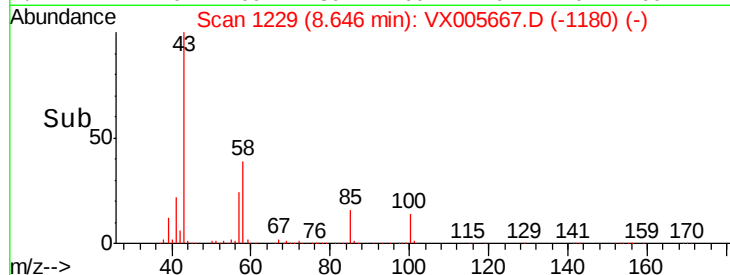
150000

100000

50000

0

Time--> 8.50 8.60 8.70 8.80



#52

Toluene

Concen: 16.973 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005667.D

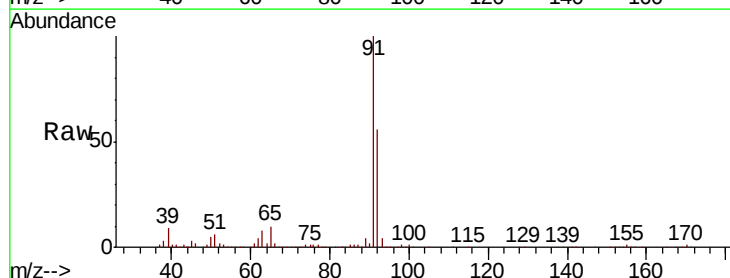
Acq: 29 Oct 2018 18:17

Tgt Ion: 92 Resp: 107984

Ion Ratio Lower Upper

92 100

91 173.6 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX005535.D (-1242) (-)

Ion 91.00 (90.70 to 91.70): VX005535.D (-1242) (-)

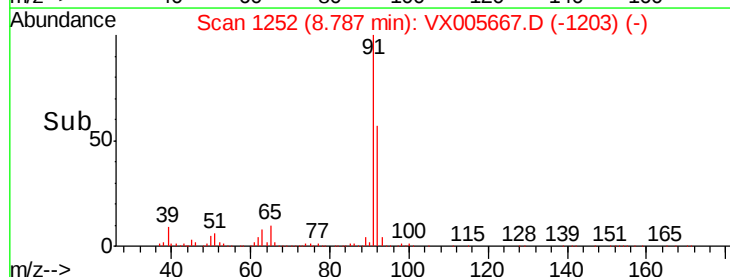
8.79

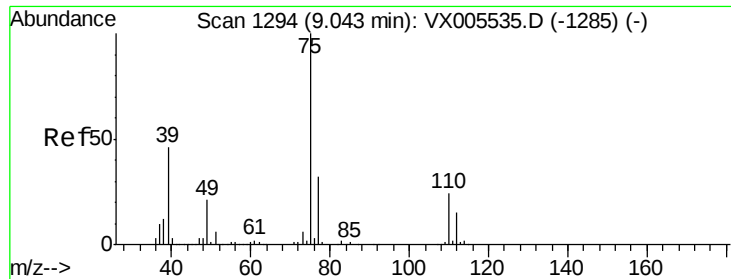
100000

50000

0

Time--> 8.70 8.80 8.90





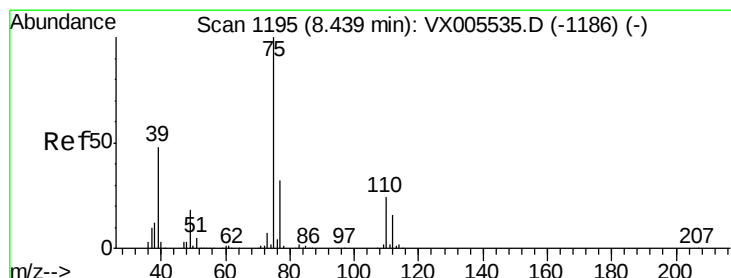
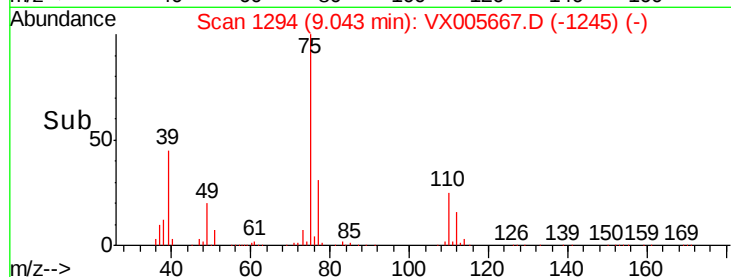
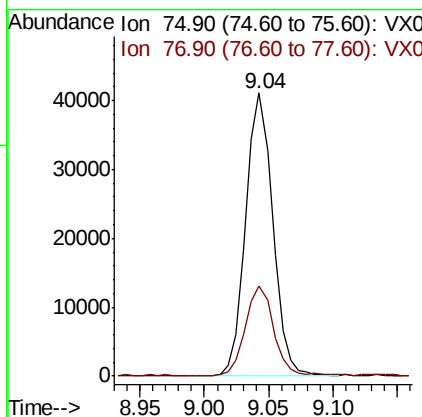
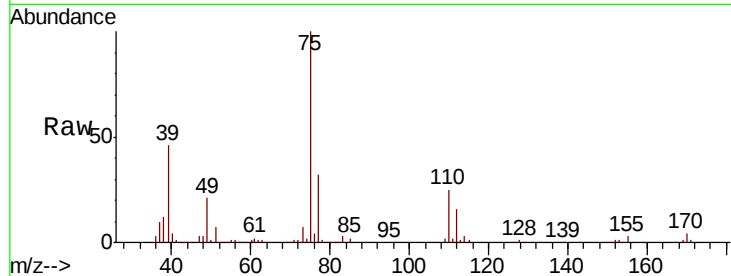
#53
t-1,3-Dichloropropene
Concen: 15.680 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005667.D
Acq: 29 Oct 2018 18:17

Instrument :
MSVOA_X
ClientSampleId :
VX1029MBS01

Tot Ion: 75 Resp: 59789
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.2

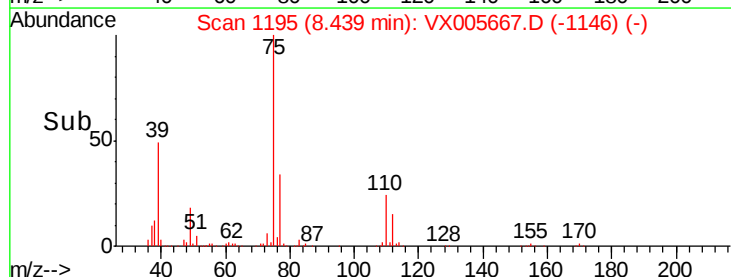
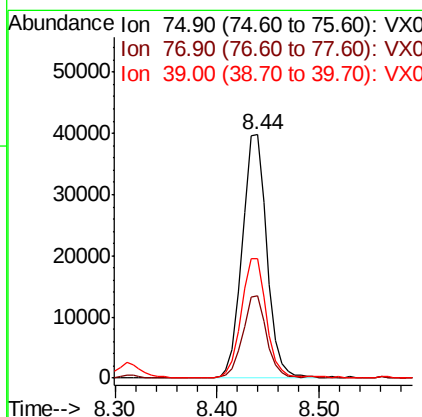
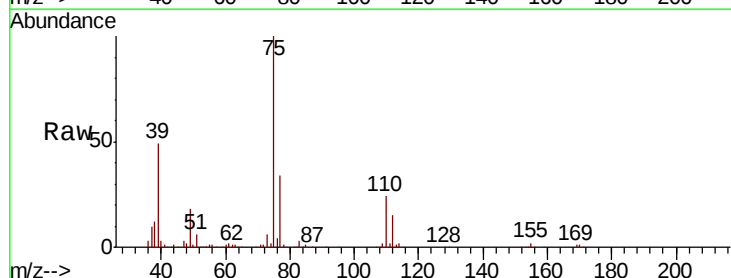
Manual Integrations
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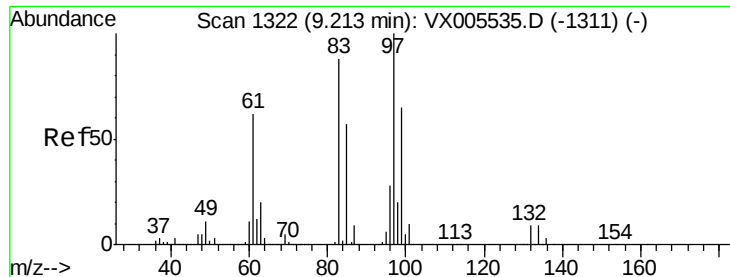
MMDadoda
10/30/2018 10:50:56 AM



#54
cis-1,3-Dichloropropene
Concen: 16.256 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX005667.D
Acq: 29 Oct 2018 18:17

Tgt Ion: 75 Resp: 66734
Ion Ratio Lower Upper
75 100
77 33.7 25.2 37.8
39 48.6 38.2 57.2





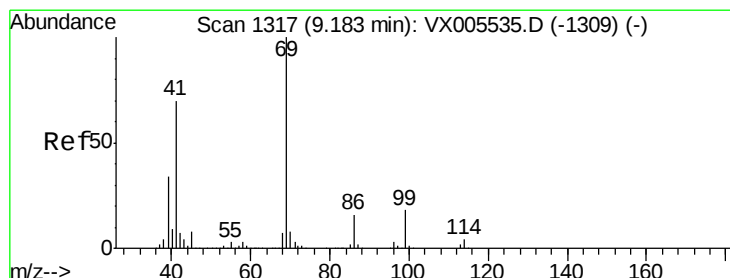
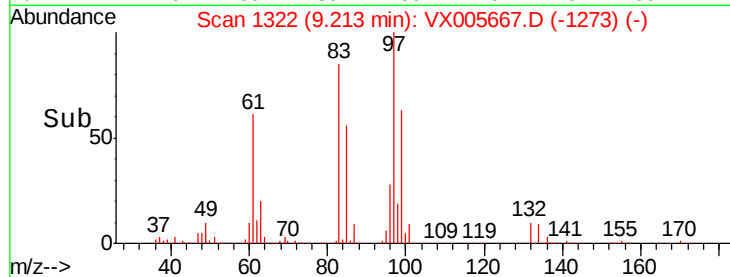
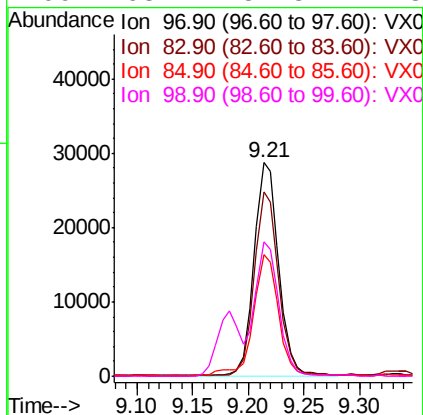
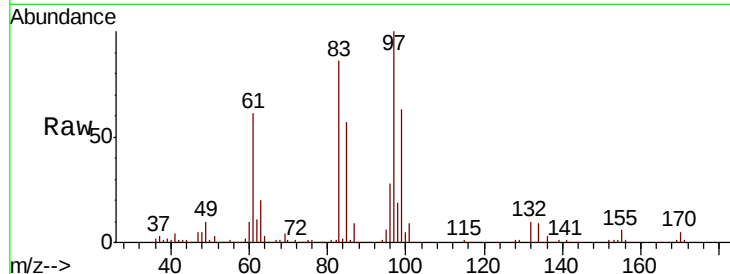
#55
 1,1,2-Trichloroethane
 Concen: 16.660 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX005667.D
 Acq: 29 Oct 2018 18:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029MBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.6	70.7	106.1
85	56.4	45.8	68.6
99	63.2	51.8	77.8

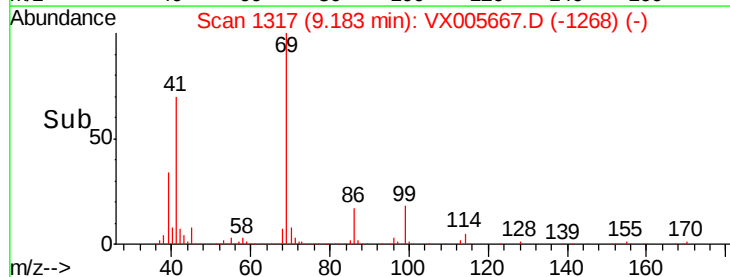
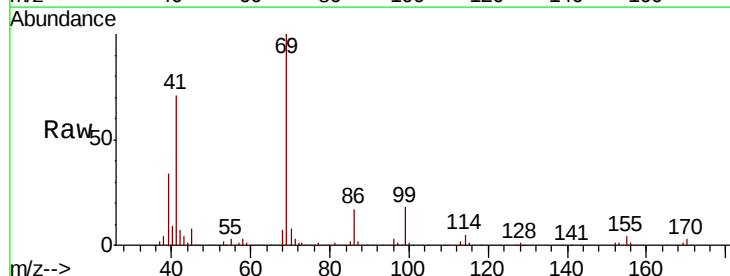
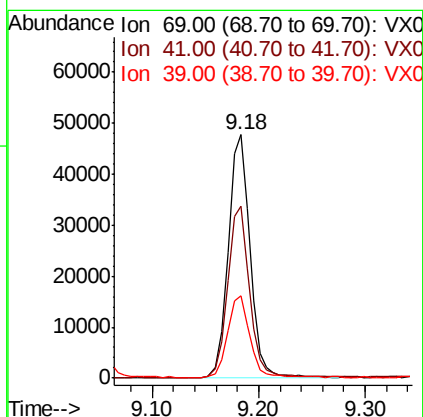
Manual Integrations
 APPROVED

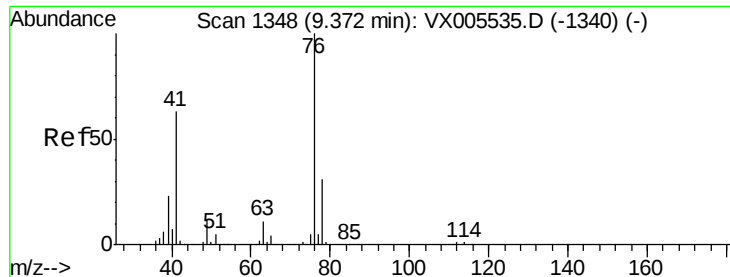
MMDadoda
 10/30/2018 10:50:56 AM



#56
 Ethyl methacrylate
 Concen: 16.939 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005667.D
 Acq: 29 Oct 2018 18:17

Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.6	57.0	85.6
39	33.9	28.3	42.5





#57

1,3-Dichloropropane

Concen: 16.340 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005667.D

Acq: 29 Oct 2018 18:17

Instrument :

MSVOA_X

ClientSampleId :

VX1029MBS01

Tot Ion: 76 Resp: 74163

Ion Ratio Lower Upper

76 100

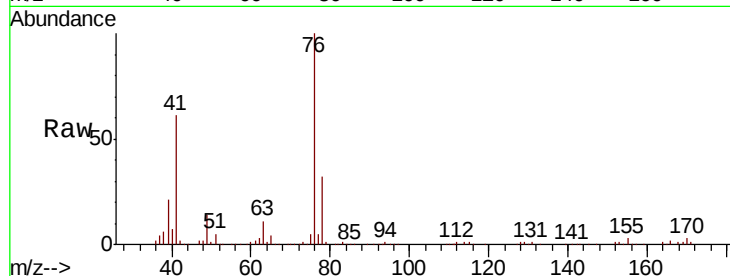
78 32.8 25.3 37.9

Manual Integrations

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MMDadoda

10/30/2018 10:50:56 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

60000

50000

40000

30000

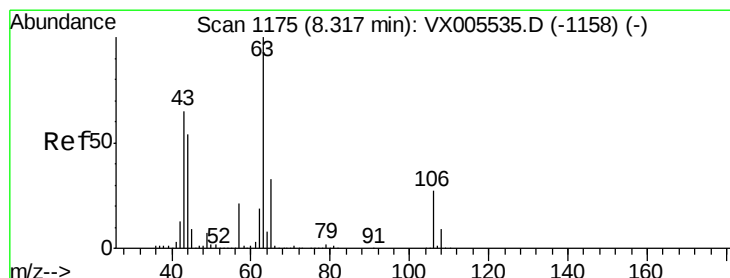
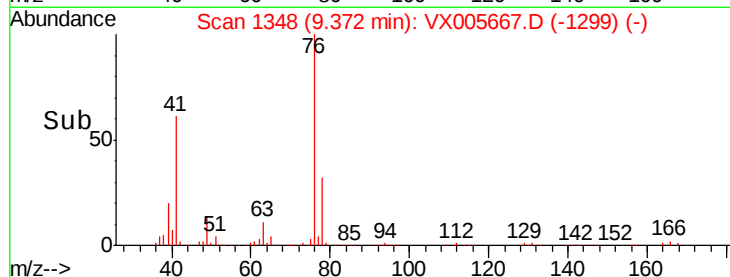
20000

10000

0

9.30 9.35 9.40 9.45 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 89.993 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VX005667.D

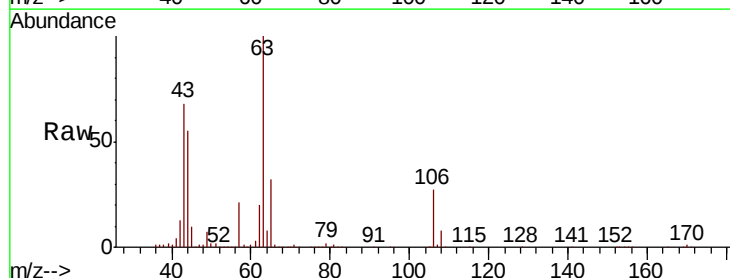
Acq: 29 Oct 2018 18:17

Tgt Ion: 63 Resp: 201097

Ion Ratio Lower Upper

63 100

106 27.1 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

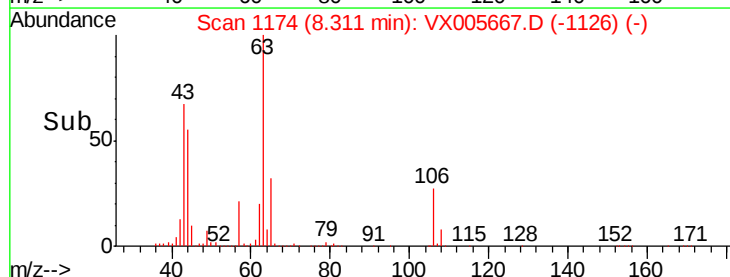
100000

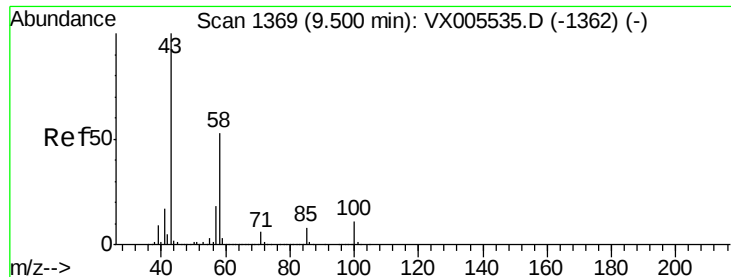
50000

0

8.20 8.30 8.40

Time-->





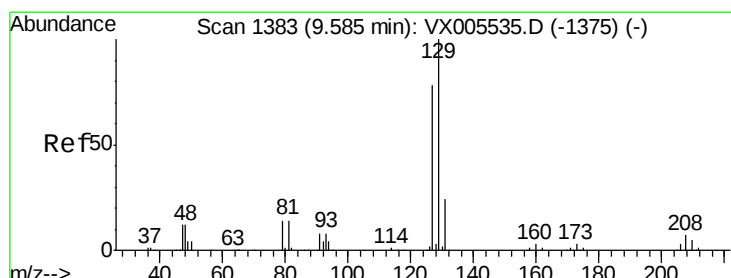
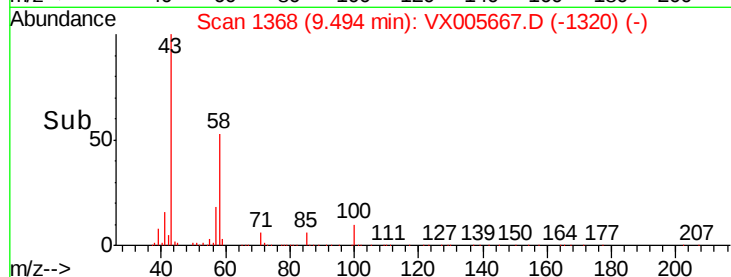
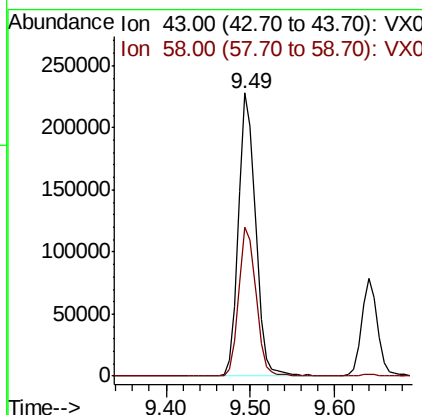
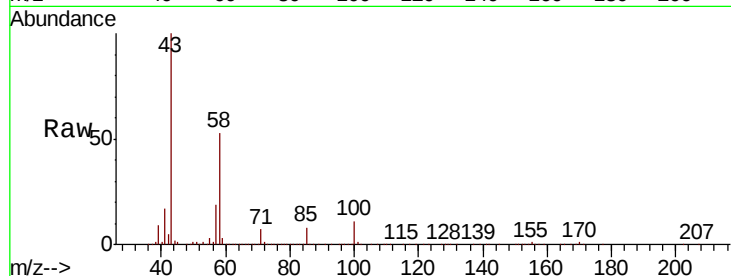
#59
2-Hexanone
Concen: 83.658 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005667.D
Acq: 29 Oct 2018 18:17

Instrument :
MSVOA_X
ClientSampleId :
VX1029MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.4	25.9	77.8

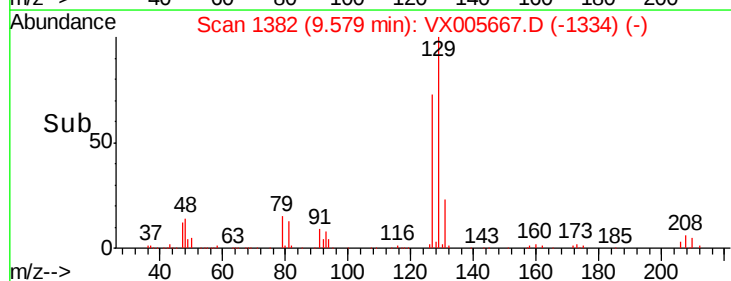
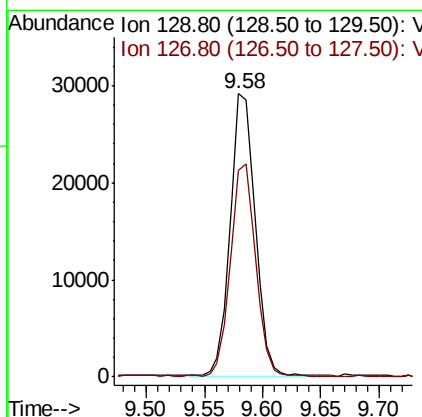
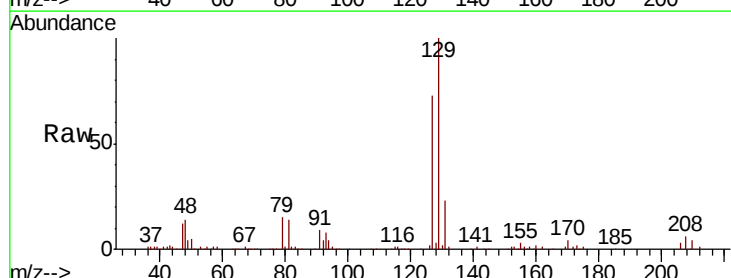
Manual Integrations
APPROVED

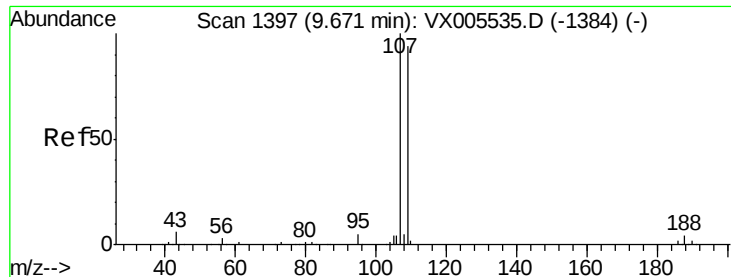
MMDadoda
10/30/2018 10:50:56 AM



#60
Dibromochloromethane
Concen: 15.606 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX005667.D
Acq: 29 Oct 2018 18:17

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.7	38.9	116.7





#61

1,2-Dibromoethane

Concen: 16.802 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005667.D

Acq: 29 Oct 2018 18:17

Instrument :

MSVOA_X

ClientSampleId :

VX1029MBS01

Tot Ion:107 Resp: 46626

Ion Ratio Lower Upper

107 100

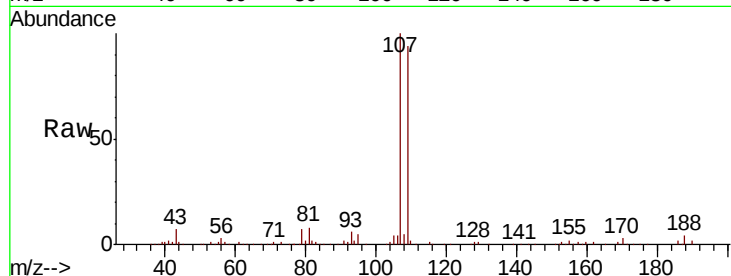
109 94.6 75.7 113.5

Manual Integrations

APPROVED

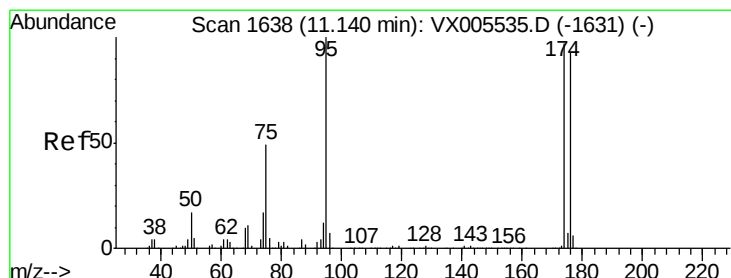
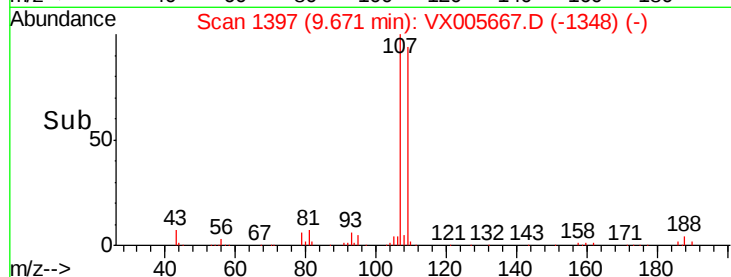
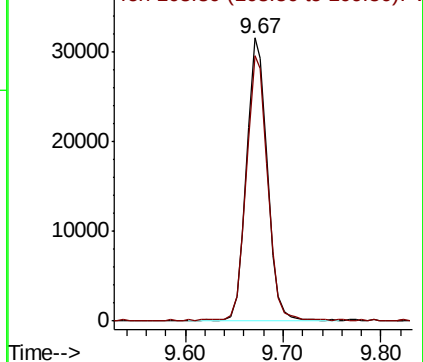
MMDadoda

10/30/2018 10:50:56 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.307 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005667.D

Acq: 29 Oct 2018 18:17

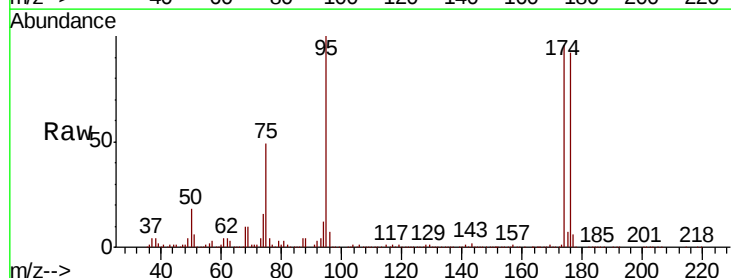
Tgt Ion: 95 Resp: 153195

Ion Ratio Lower Upper

95 100

174 91.7 0.0 184.4

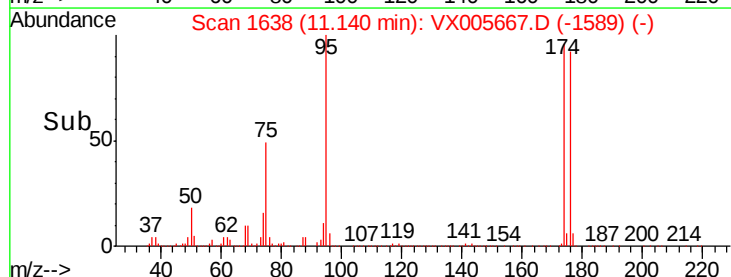
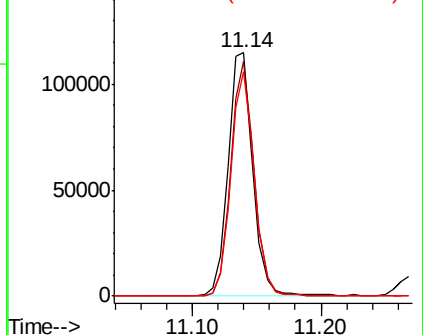
176 88.2 0.0 177.4

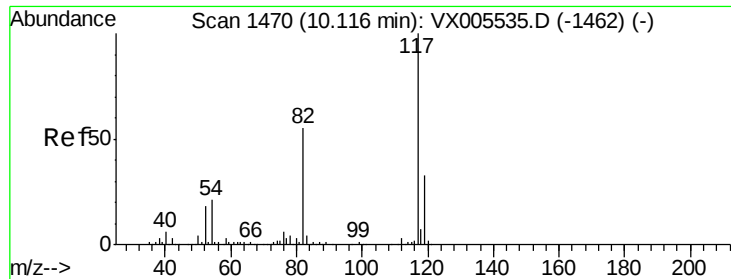


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





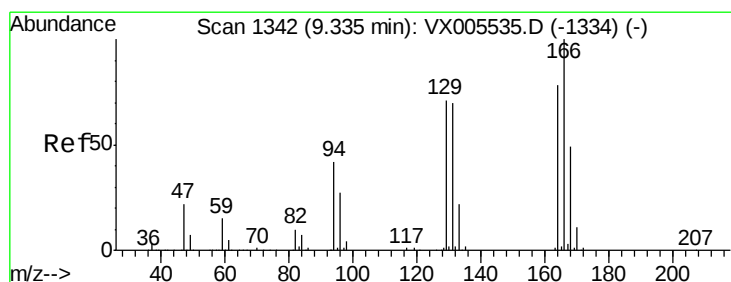
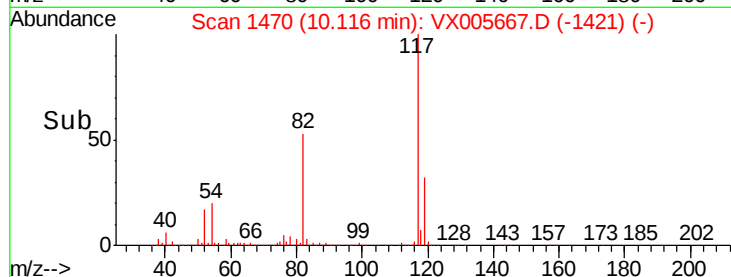
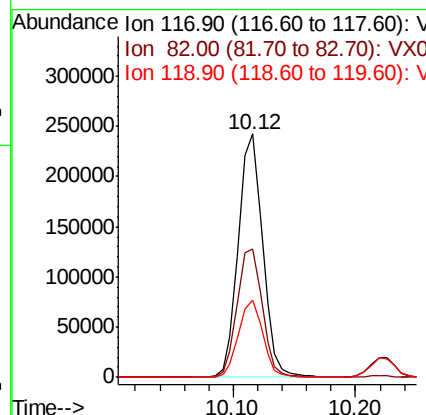
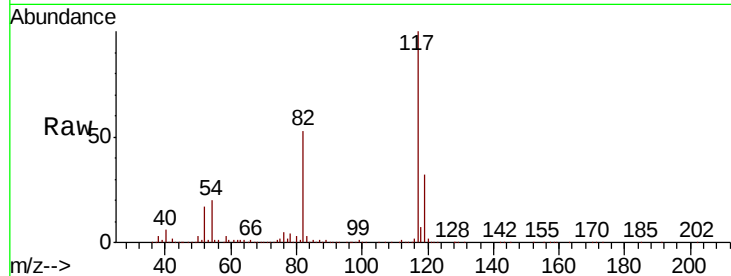
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005667.D
Acq: 29 Oct 2018 18:17

Instrument :
MSVOA_X
ClientSampleId :
VX1029MBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	334113		
82	52.9		44.1	66.1
119	31.7		26.2	39.2

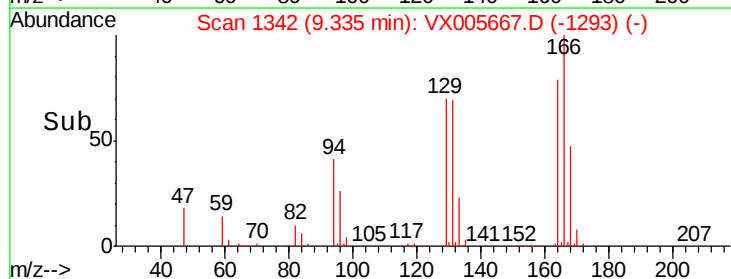
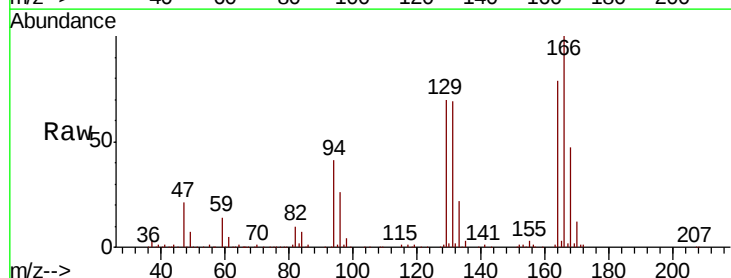
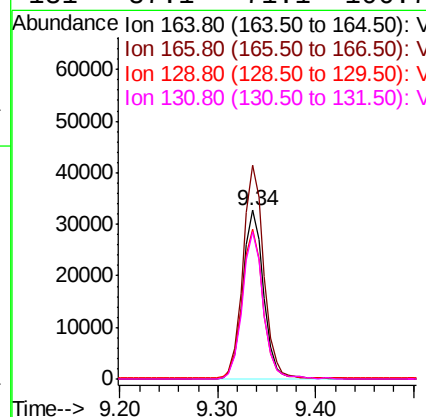
Manual Integrations
APPROVED

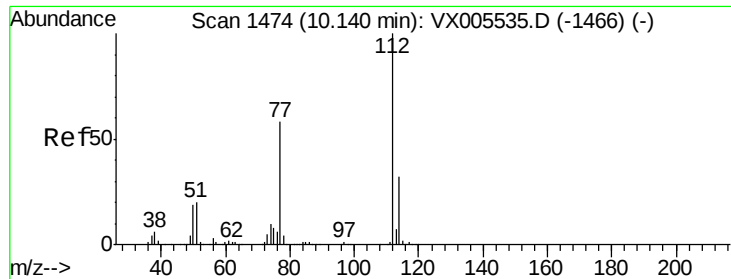
MMDadoda
10/30/2018 10:50:56 AM



#64
Tetrachloroethene
Concen: 17.567 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005667.D
Acq: 29 Oct 2018 18:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	48724		
166	126.3		101.9	152.9
129	88.3		72.6	109.0
131	87.1		71.1	106.7





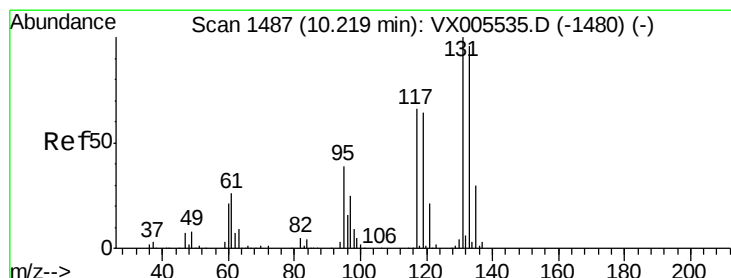
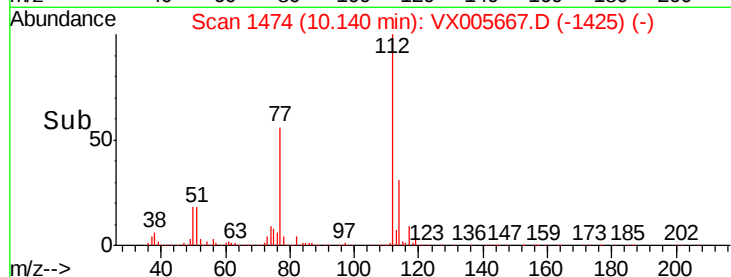
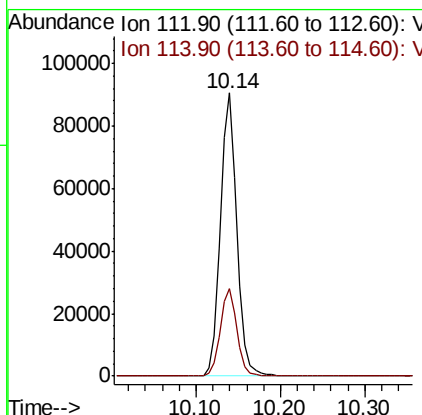
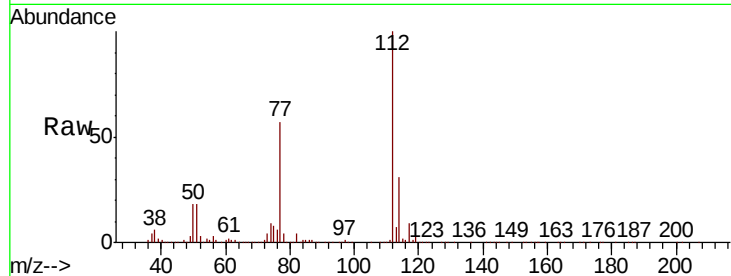
#65
Chlorobenzene
Concen: 17.232 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005667.D
Acq: 29 Oct 2018 18:17

Instrument :
MSVOA_X
ClientSampled :
VX1029MBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.9	25.8	38.6

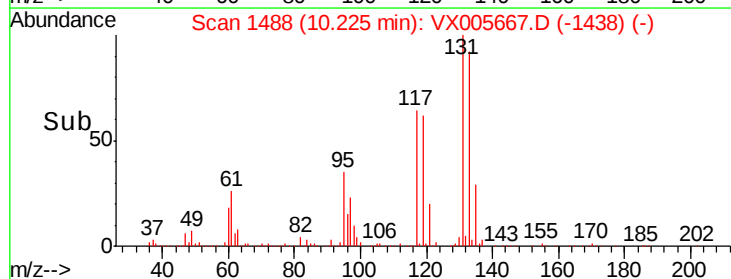
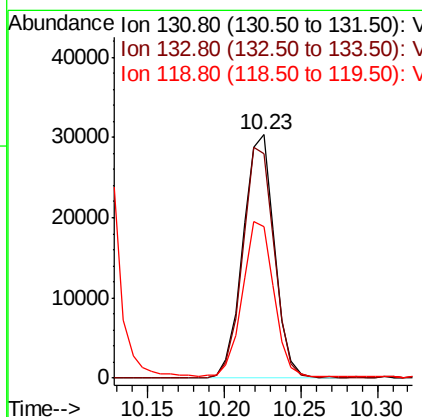
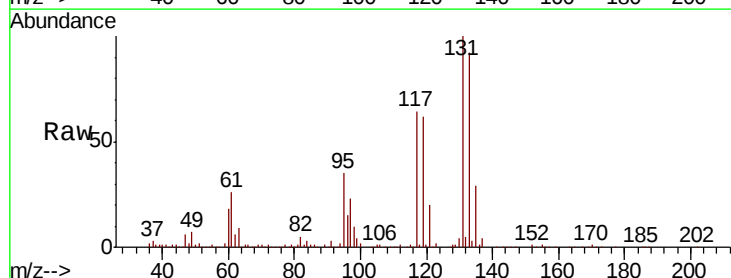
Manual Integrations
APPROVED

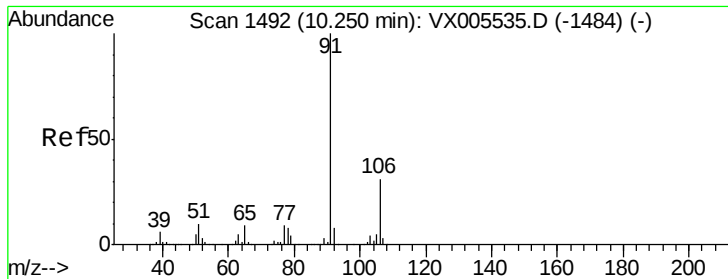
MMDadoda
10/30/2018 10:50:56 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 16.541 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VX005667.D
Acq: 29 Oct 2018 18:17

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.5	142.5
119	64.1	31.8	95.3





#67

Ethyl Benzene

Concen: 17.757 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX005667.D

Acq: 29 Oct 2018 18:17

Instrument :

MSVOA_X

ClientSampleId :

VX1029MBS01

Tot Ion: 91 Resp: 207859

Ion Ratio Lower Upper

91 100

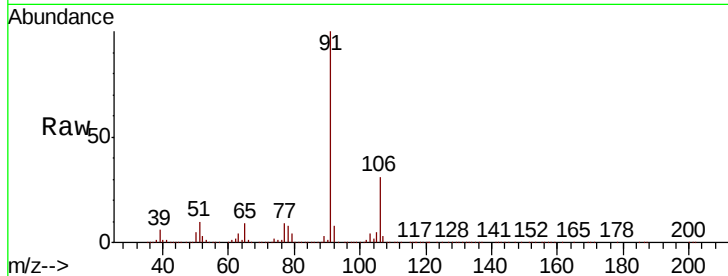
106 30.7 24.4 36.6

Manual Integrations

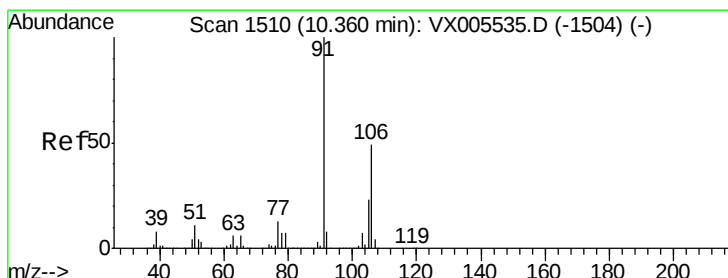
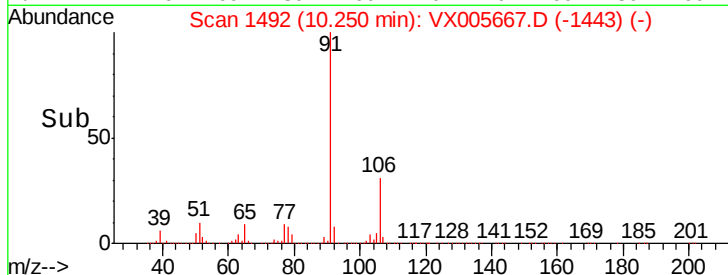
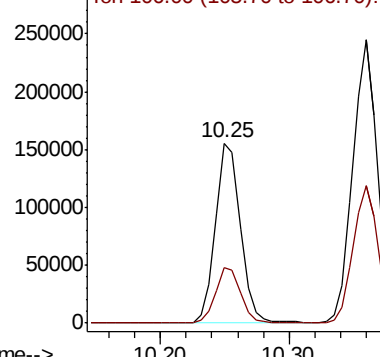
APPROVED

MMDadoda

10/30/2018 10:50:56 AM



Abundance Ion 91.00 (90.70 to 91.70): VX005535.D (-1484) (-)



#68

m/p-Xylenes

Concen: 35.493 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005667.D

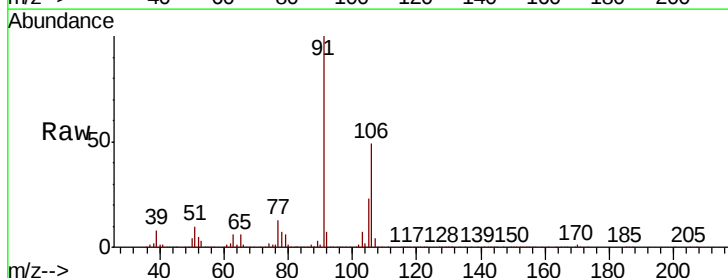
Acq: 29 Oct 2018 18:17

Tgt Ion: 106 Resp: 161193

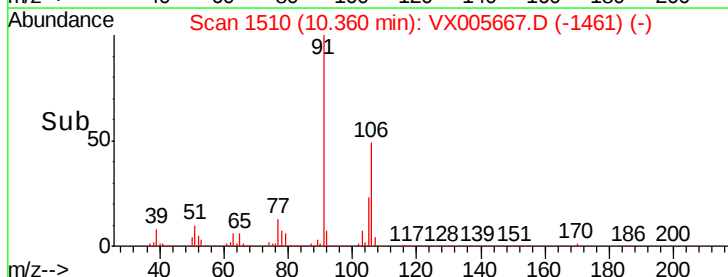
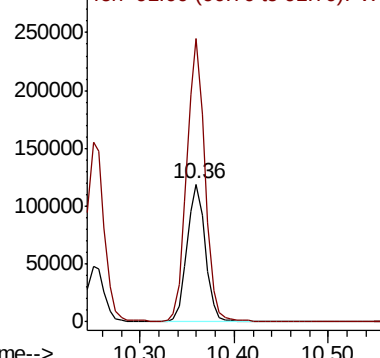
Ion Ratio Lower Upper

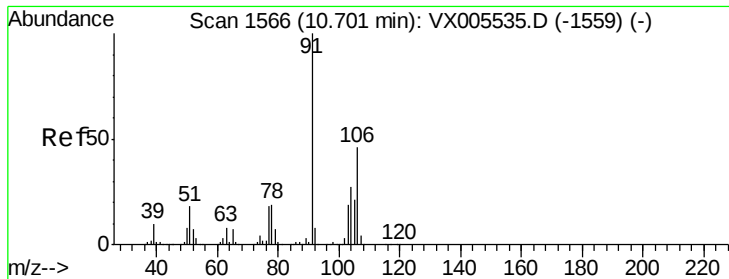
106 100

91 204.2 164.2 246.4



Abundance Ion 106.00 (105.70 to 106.70): VX005535.D (-1504) (-)





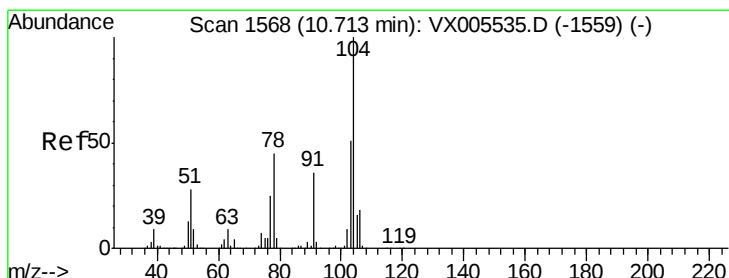
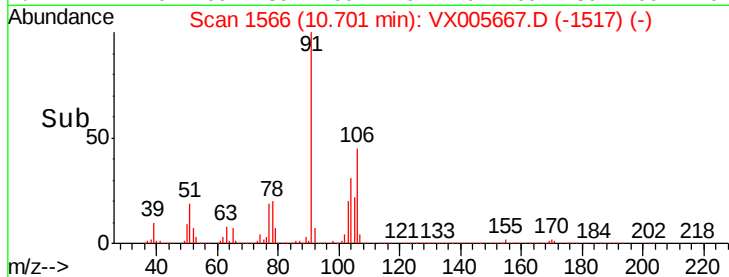
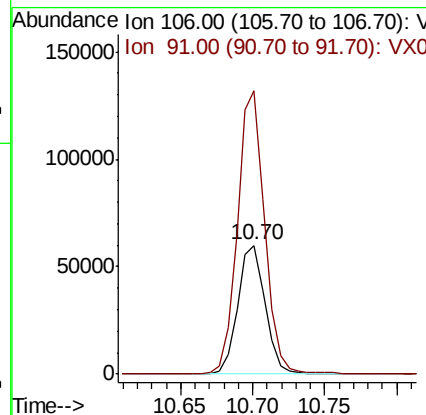
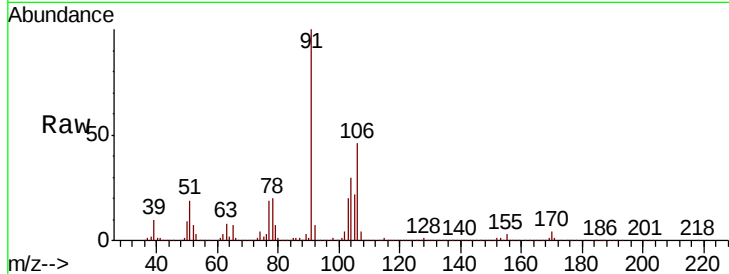
#69
o-Xylene
Concen: 18.602 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005667.D
Acq: 29 Oct 2018 18:17

Instrument :
MSVOA_X
ClientSampleId :
VX1029MBS01

Tot Ion:106 Resp: 79480
Ion Ratio Lower Upper
106 100
91 217.0 108.5 325.5

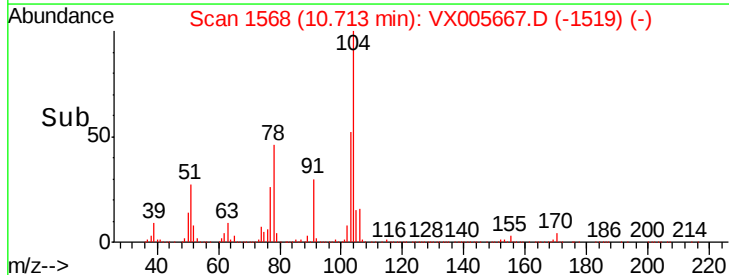
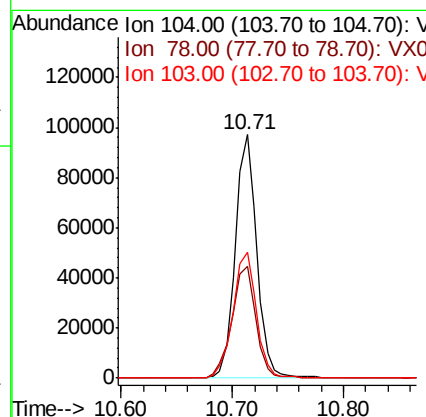
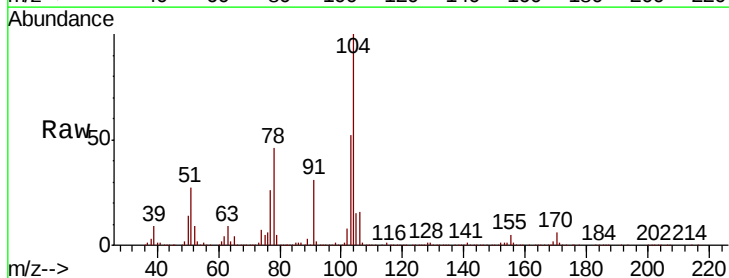
Manual Integrations
APPROVED

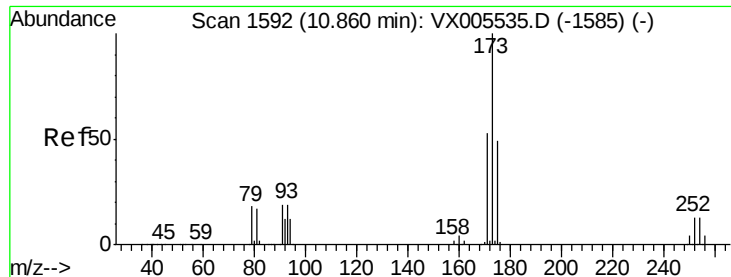
MMDadoda
10/30/2018 10:50:56 AM



#70
Styrene
Concen: 18.111 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005667.D
Acq: 29 Oct 2018 18:17

Tgt Ion:104 Resp: 129544
Ion Ratio Lower Upper
104 100
78 51.0 40.2 60.4
103 56.8 44.9 67.3





#71

Bromoform

Concen: 15.142 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005667.D

Acq: 29 Oct 2018 18:17

Instrument :

MSVOA_X

ClientSampleId :

VX1029MBS01

Tot Ion:173 Resp: 35053

Ion Ratio Lower Upper

173 100

175 50.2 24.8 74.3

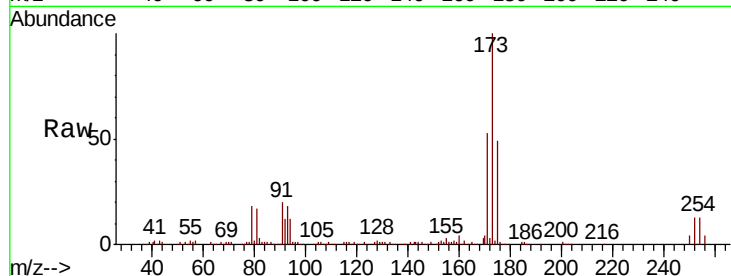
254 0.1 0.2 0.2#

Manual Integrations

APPROVED

MMDadoda

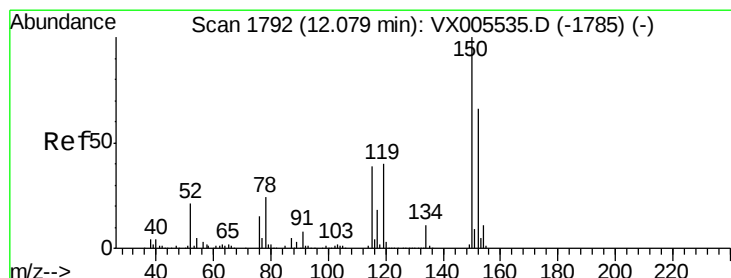
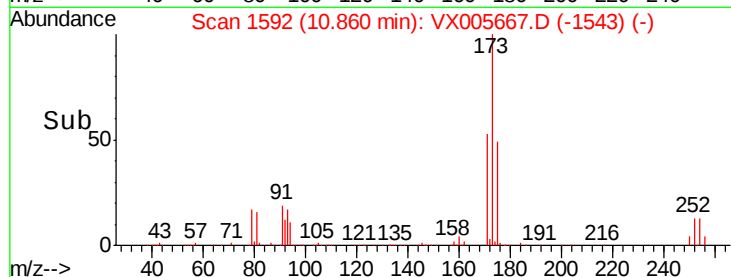
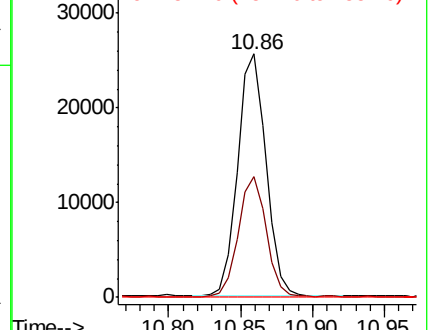
10/30/2018 10:50:56 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005667.D

Acq: 29 Oct 2018 18:17

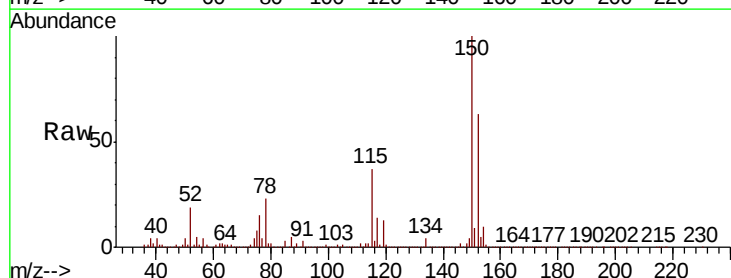
Tgt Ion:152 Resp: 182824

Ion Ratio Lower Upper

152 100

115 64.1 39.4 118.1

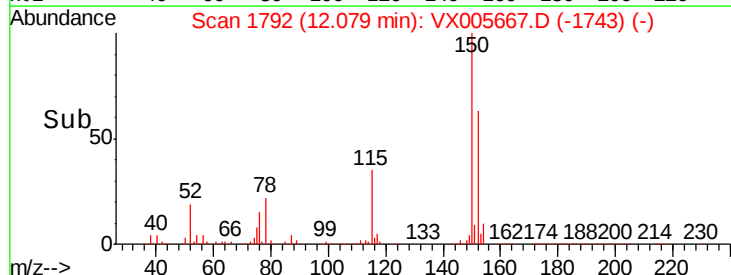
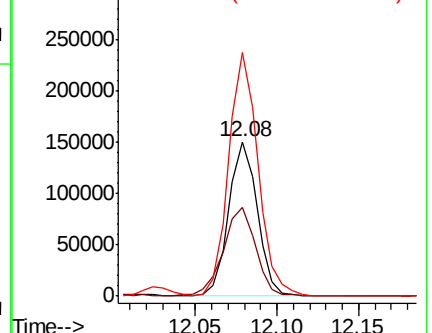
150 163.0 0.0 346.4

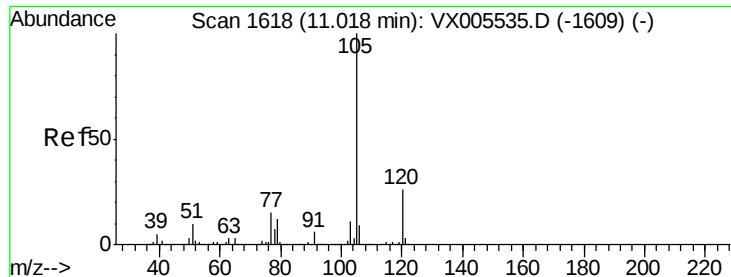


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.145 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005667.D

Acq: 29 Oct 2018 18:17

Instrument :

MSVOA_X

ClientSampleId :

VX1029MBS01

Tot Ion: 105 Resp: 213963

Ion Ratio Lower Upper

105 100

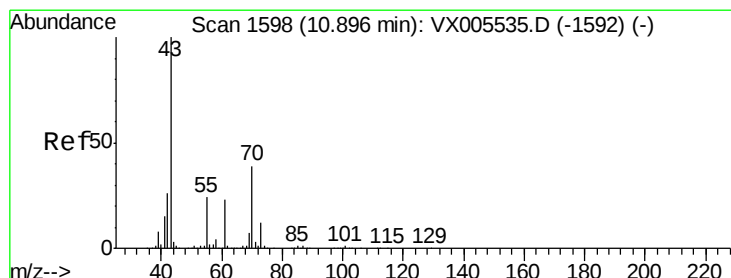
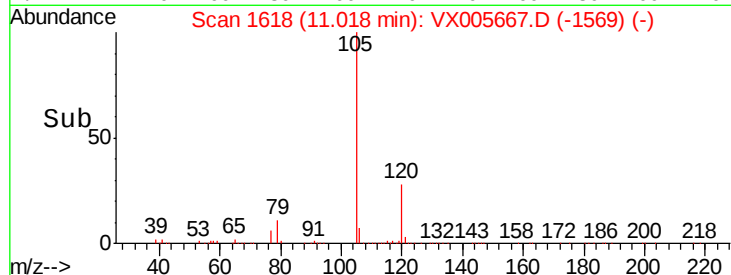
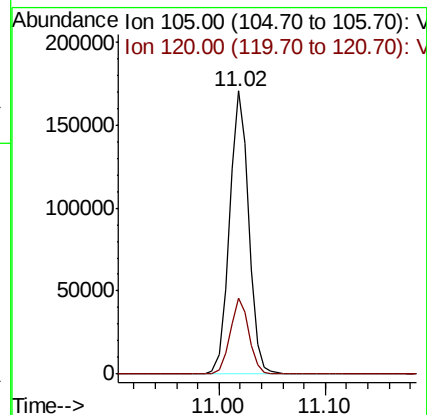
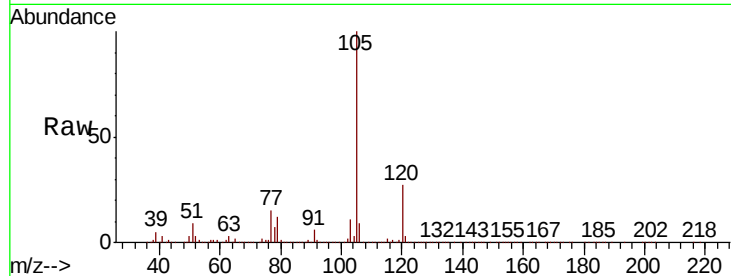
120 26.7 13.1 39.3

Manual Integrations

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MMDadoda

10/30/2018 10:50:56 AM



#74

N-ethyl acetate

Concen: 18.371 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX005667.D

Acq: 29 Oct 2018 18:17

Tgt Ion: 43 Resp: 101732

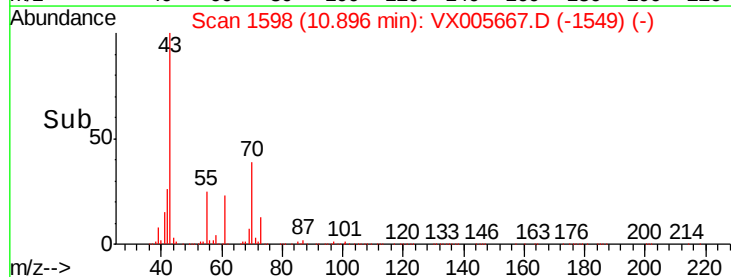
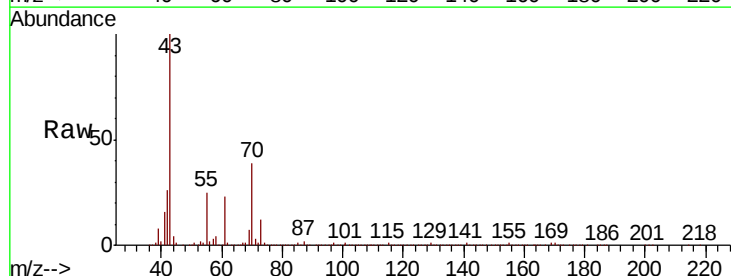
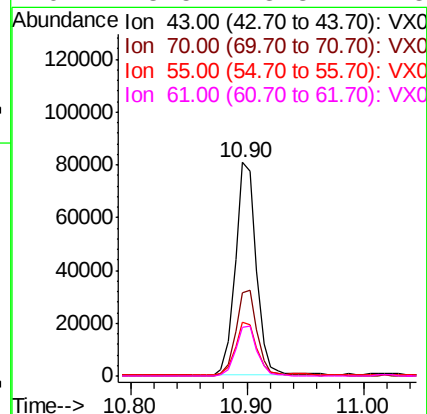
Ion Ratio Lower Upper

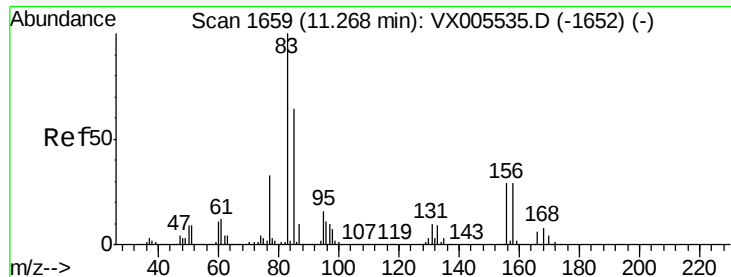
43 100

70 40.7 31.6 47.4

55 25.0 19.7 29.5

61 23.5 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 17.349 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005667.D

Acq: 29 Oct 2018 18:17

Instrument :

MSVOA_X

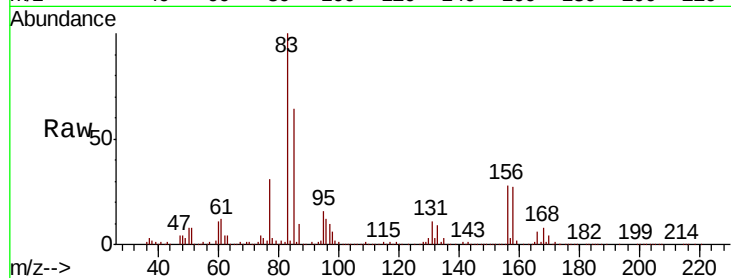
ClientSampleId :

VX1029MBS01

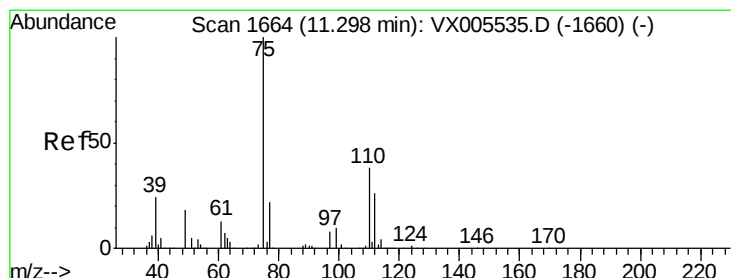
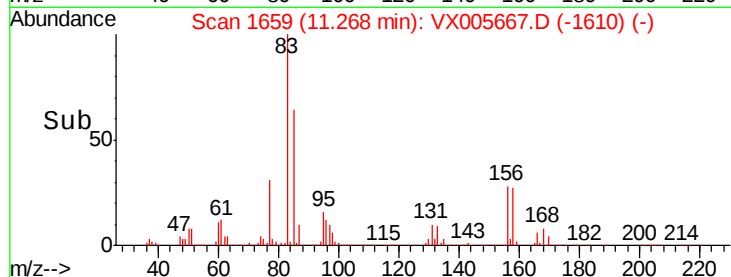
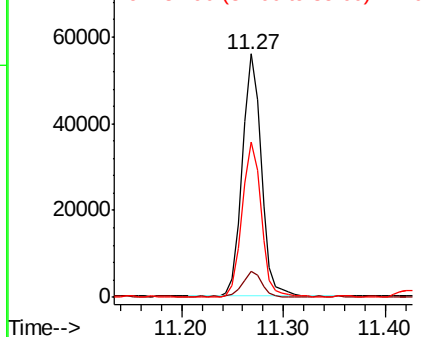
Tot Ion:	83	Resp:	71532
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.3	15.9
85	64.3	32.0	96.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 17.614 ug/l m

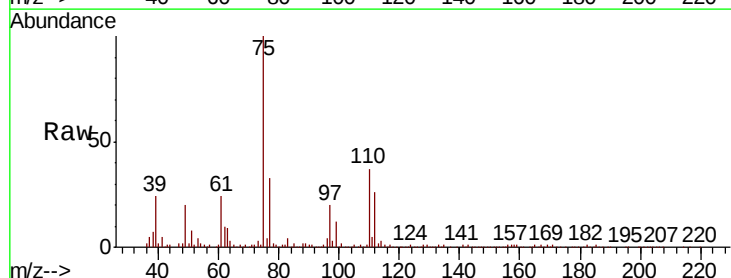
RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

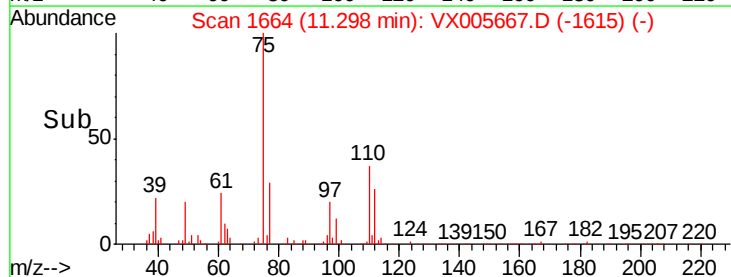
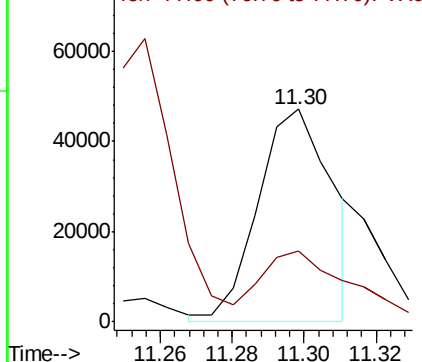
Lab File: VX005667.D

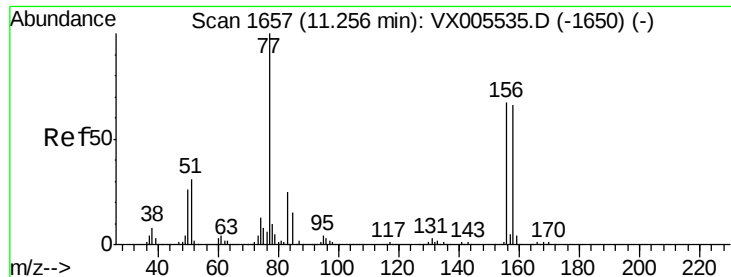
Acq: 29 Oct 2018 18:17

Tgt Ion:	75	Resp:	68231
Ion Ratio	Lower	Upper	
75	100		
77	38.6	20.5	61.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 18.317 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005667.D

Acq: 29 Oct 2018 18:17

Instrument :

MSVOA_X

ClientSampleId :

VX1029MBS01

Tot Ion:156 Resp: 57050

Ion Ratio Lower Upper

156 100

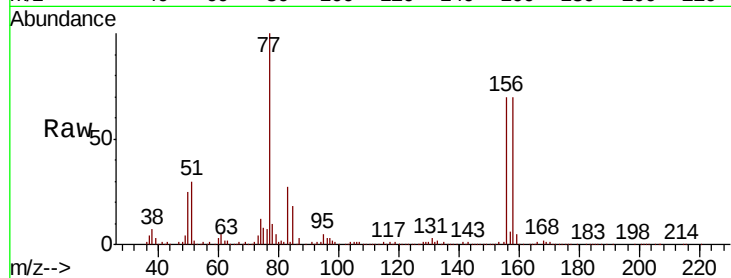
77 146.0 74.8 224.4

158 97.2 49.1 147.3

Manual Integrations
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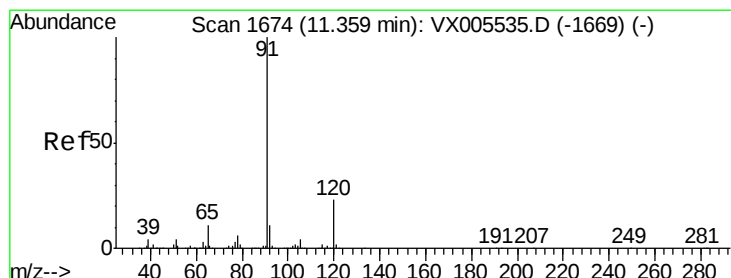
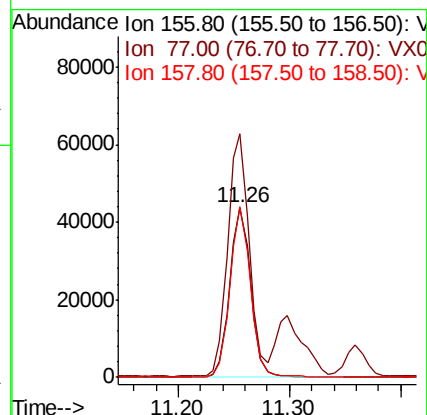
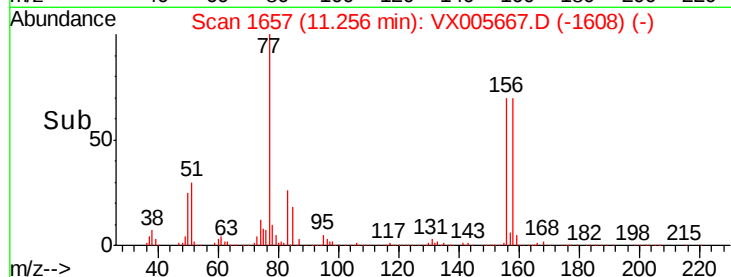
10/30/2018 10:50:56 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.321 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005667.D

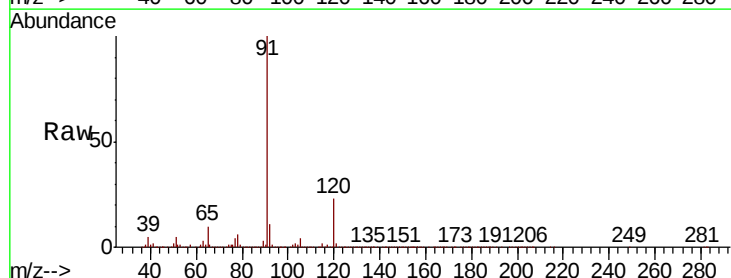
Acq: 29 Oct 2018 18:17

Tgt Ion: 91 Resp: 246904

Ion Ratio Lower Upper

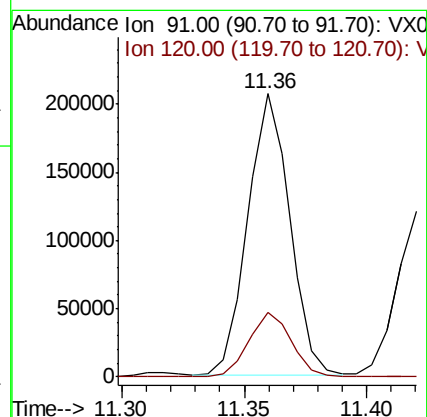
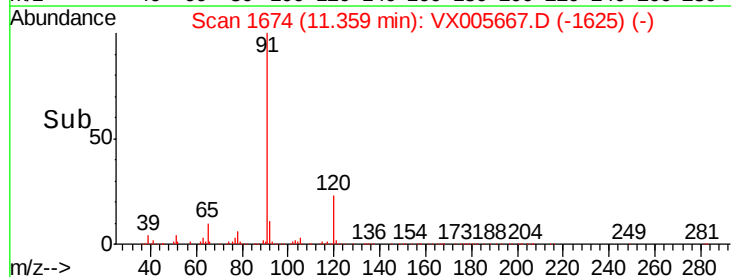
91 100

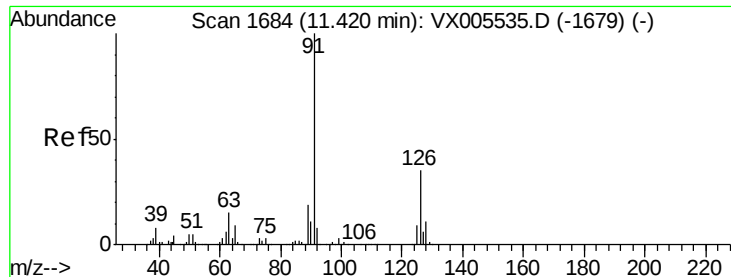
120 23.3 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.191 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005667.D

Acq: 29 Oct 2018 18:17

Instrument :

MSVOA_X

ClientSampleId :

VX1029MBS01

Tot Ion: 91 Resp: 144136

Ion Ratio Lower Upper

91 100

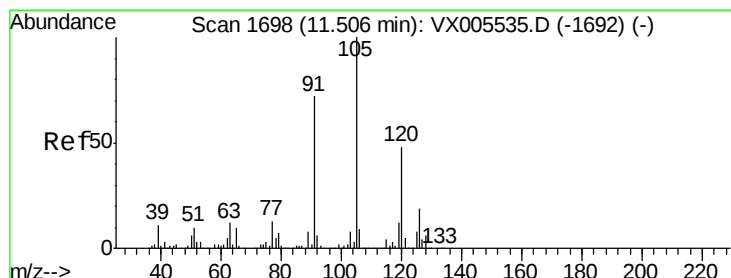
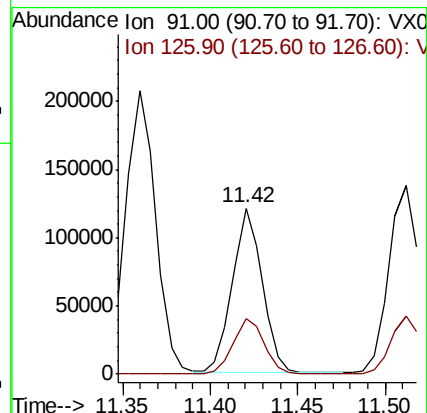
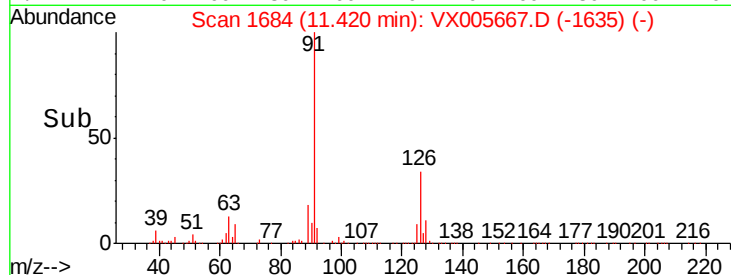
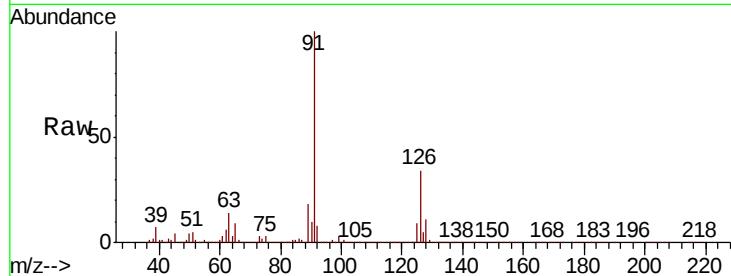
126 35.1 17.3 52.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 18.942 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005667.D

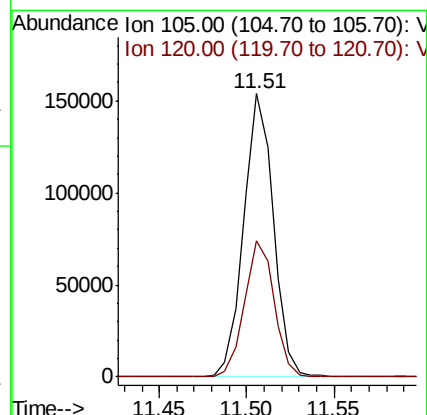
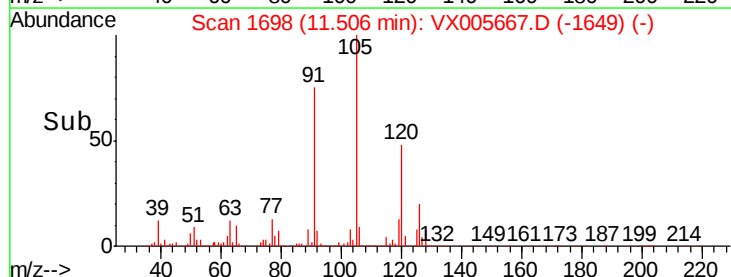
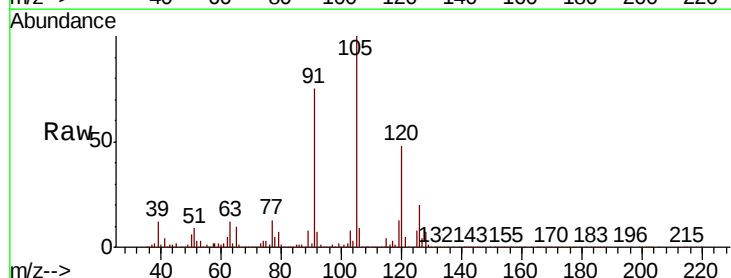
Acq: 29 Oct 2018 18:17

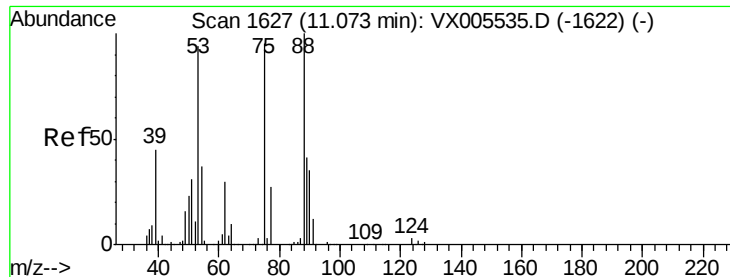
Tgt Ion: 105 Resp: 181094

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.2





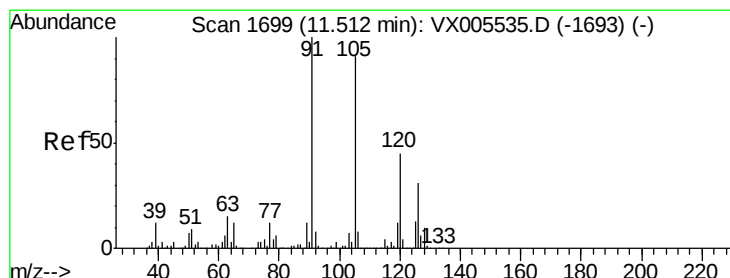
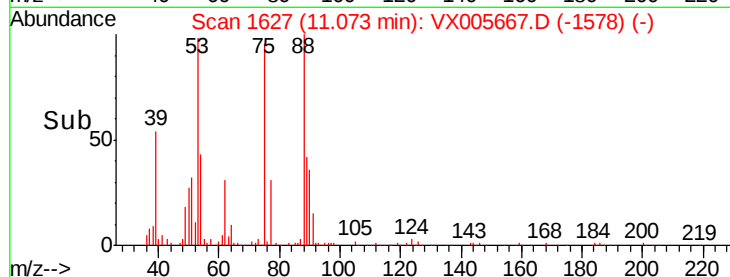
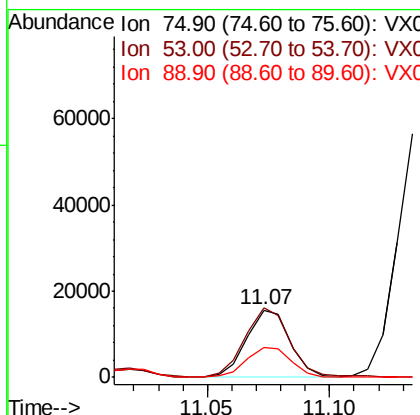
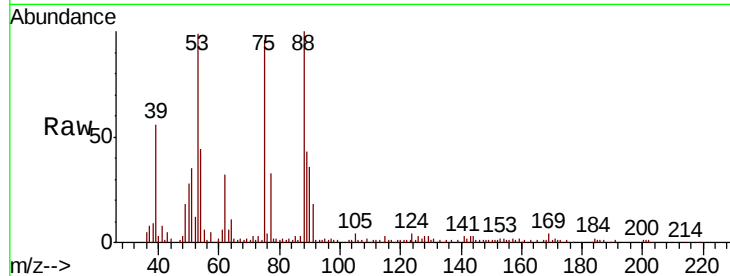
#81
trans-1,4-Dichloro-2-butene
Concen: 16.215 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX005667.D
Acq: 29 Oct 2018 18:17

Instrument :
MSVOA_X
ClientSampleId :
VX1029MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.3	80.2	120.2
89	48.4	39.8	59.8

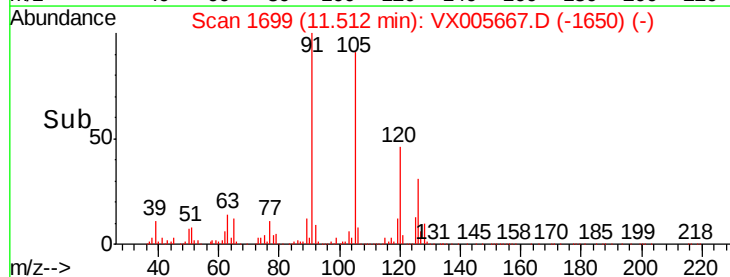
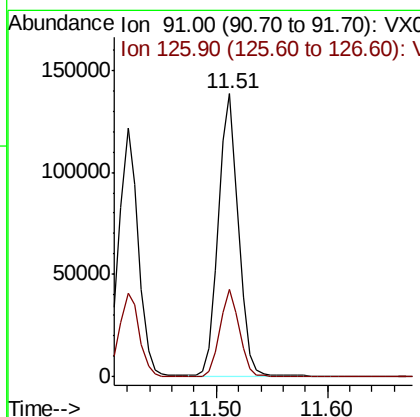
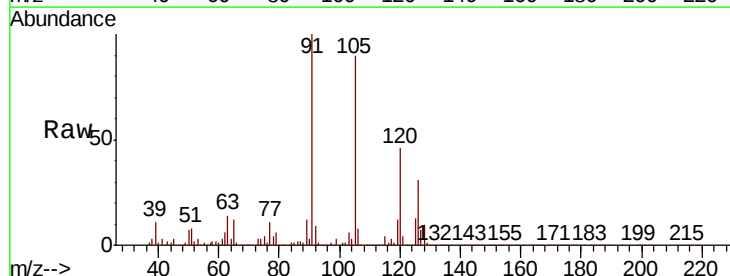
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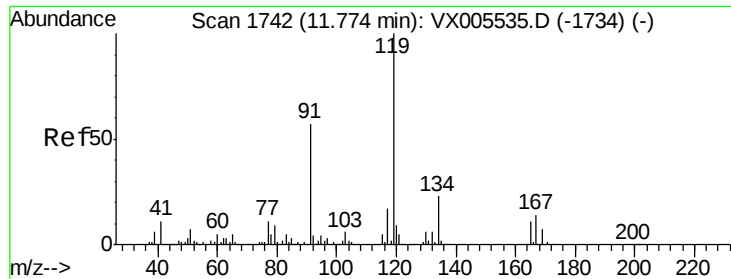
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#82
4-Chlorotoluene
Concen: 18.373 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX005667.D
Acq: 29 Oct 2018 18:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.2	15.2	45.6





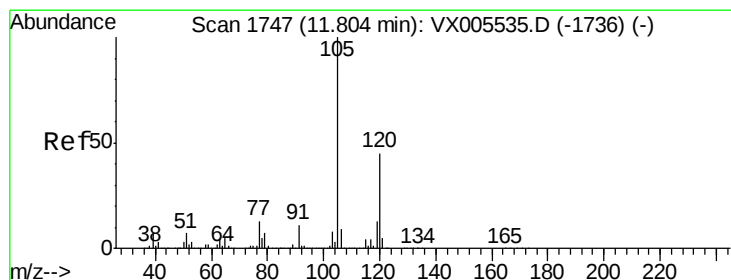
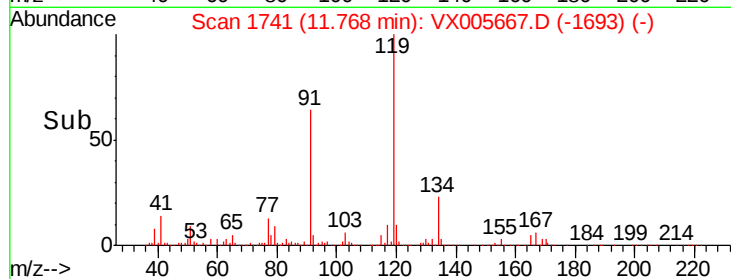
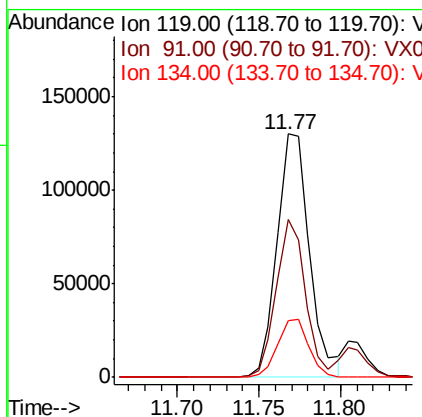
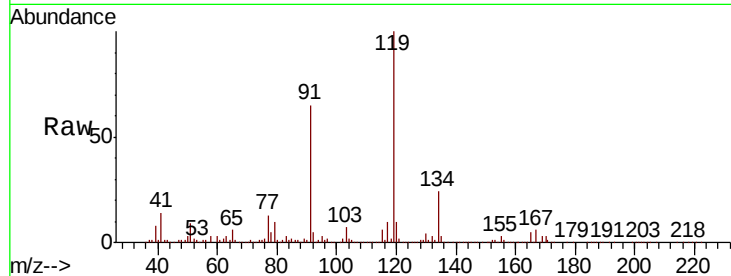
#83
tert-Butylbenzene
Concen: 18.972 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.01 min
Lab File: VX005667.D
Acq: 29 Oct 2018 18:17

Instrument :
MSVOA_X
ClientSampleId :
VX1029MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.9	28.5	85.5
134	22.9	11.3	33.8

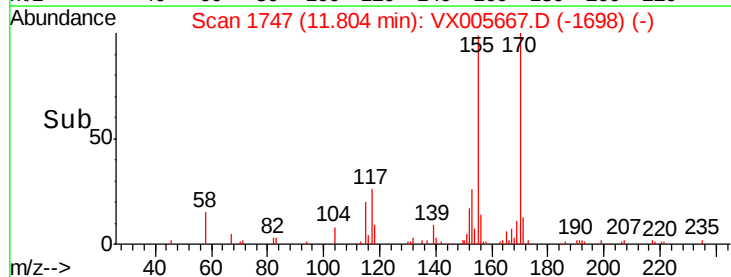
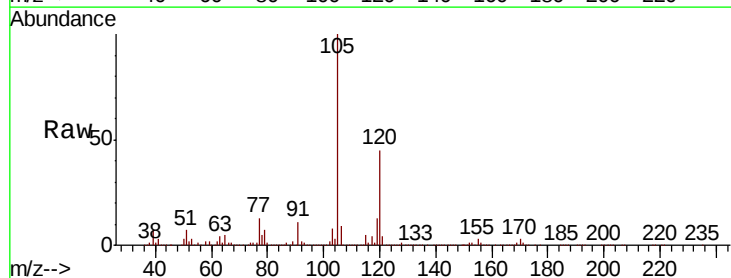
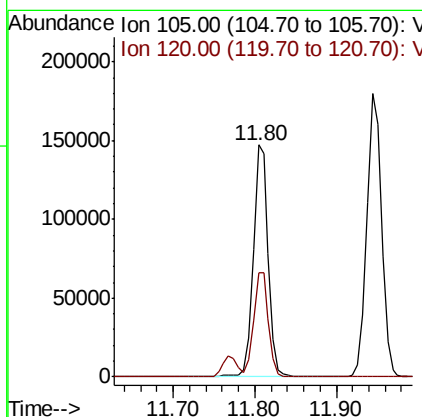
Manual Integrations
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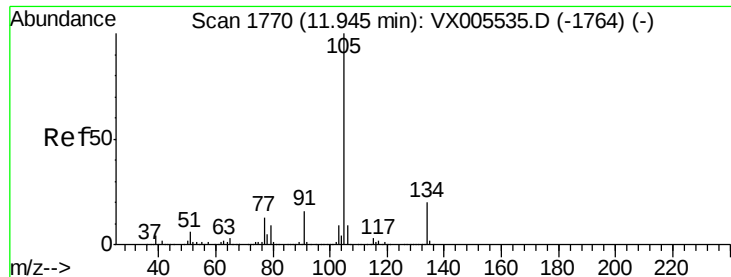
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 19.356 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX005667.D
Acq: 29 Oct 2018 18:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.4	67.0





#85

sec-Butylbenzene

Concen: 19.406 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005667.D

Acq: 29 Oct 2018 18:17

Instrument :

MSVOA_X

ClientSampleId :

VX1029MBS01

Tot Ion:105 Resp: 220668

Ion Ratio Lower Upper

105 100

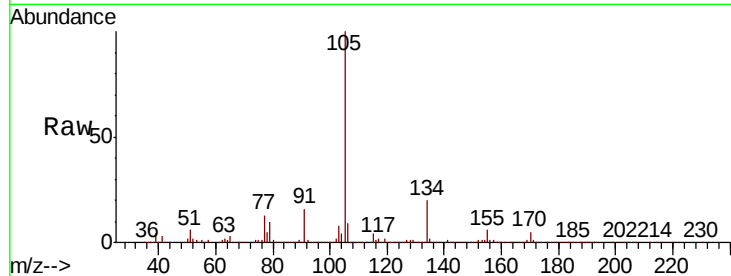
134 20.5 10.2 30.4

Manual Integrations

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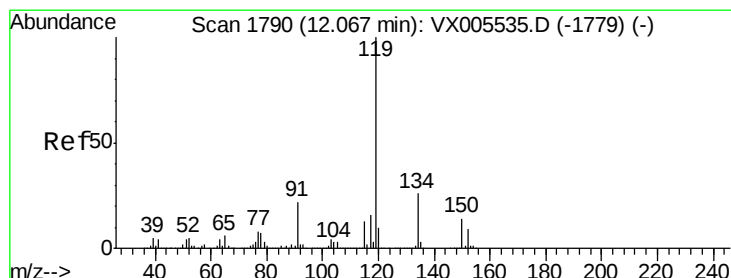
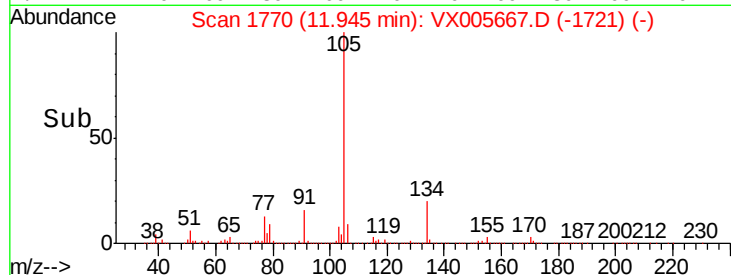
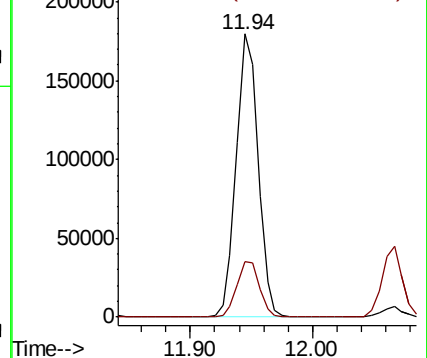
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.517 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005667.D

Acq: 29 Oct 2018 18:17

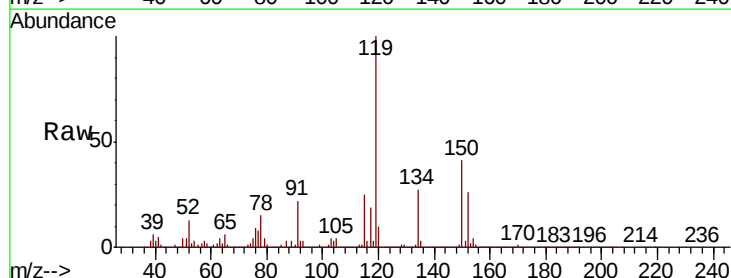
Tgt Ion:119 Resp: 198397

Ion Ratio Lower Upper

119 100

134 26.6 13.0 39.0

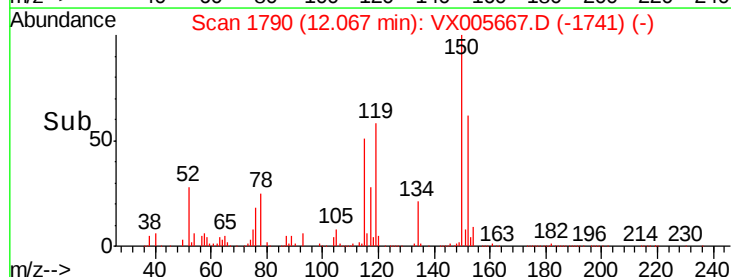
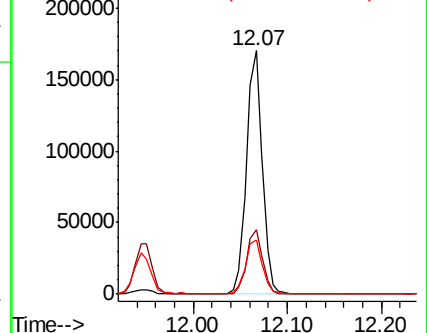
91 23.2 11.4 34.2

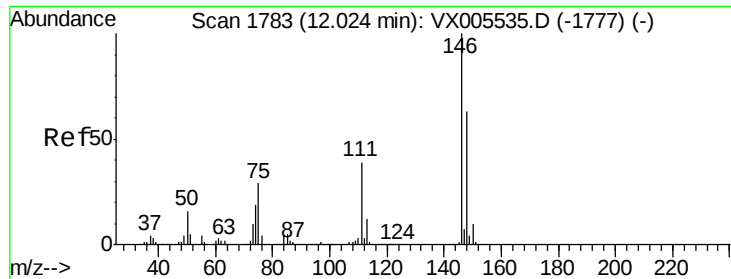


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 18.069 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX005667.D

Acq: 29 Oct 2018 18:17

Instrument :

MSVOA_X

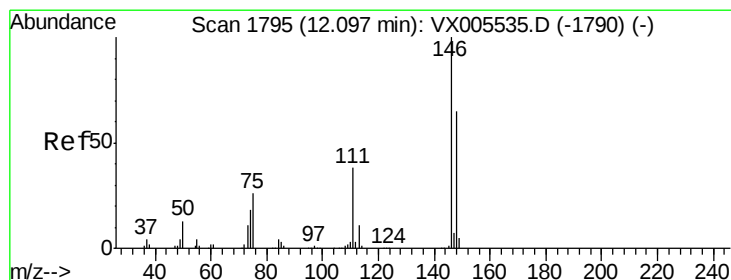
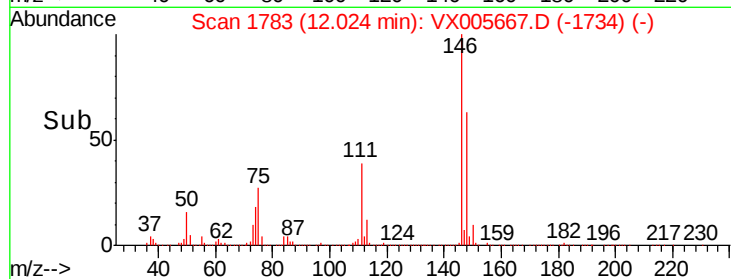
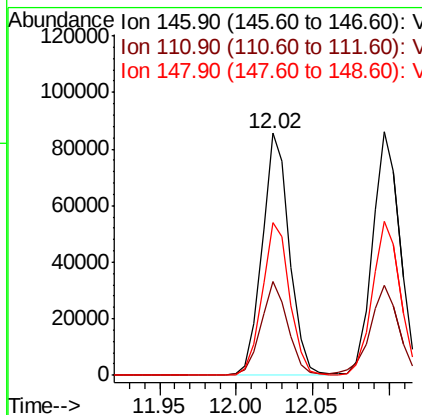
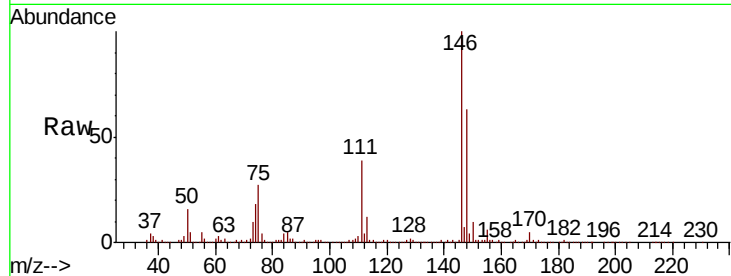
ClientSampleId :

VX1029MBS01

Tot Ion:	146	Resp:	105828
Ion Ratio	Lower	Upper	
146	100		
111	37.7	19.0	57.0
148	63.8	31.9	95.9

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 17.449 ug/l

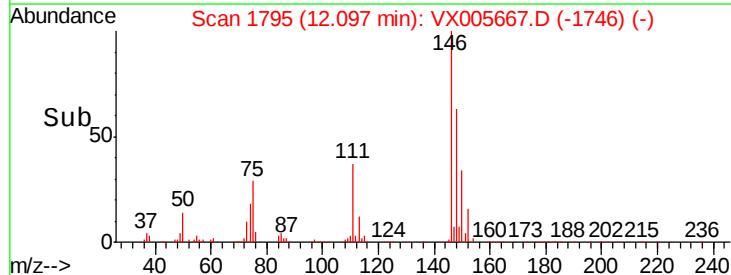
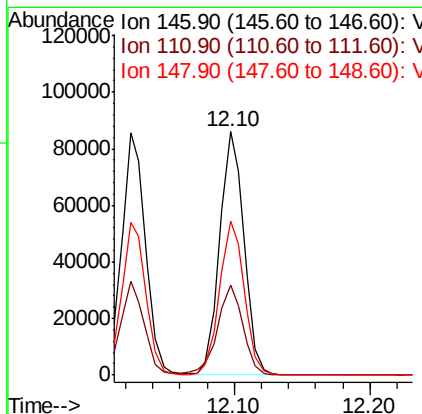
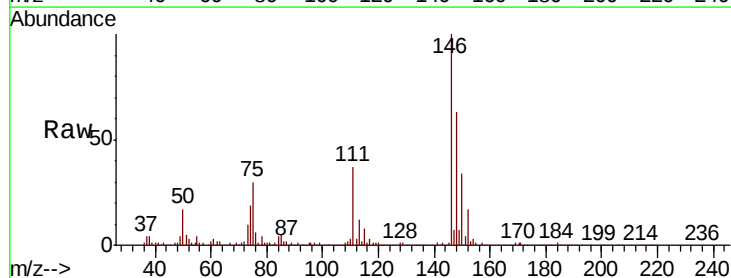
RT: 12.10 min Scan# 1795

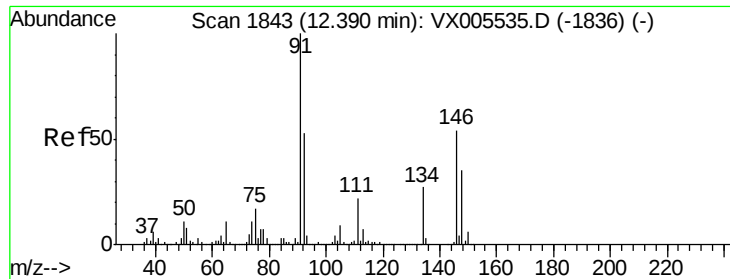
Delta R.T. -0.00 min

Lab File: VX005667.D

Acq: 29 Oct 2018 18:17

Tgt Ion:	146	Resp:	106673
Ion Ratio	Lower	Upper	
146	100		
111	38.2	18.6	55.8
148	64.6	32.1	96.3





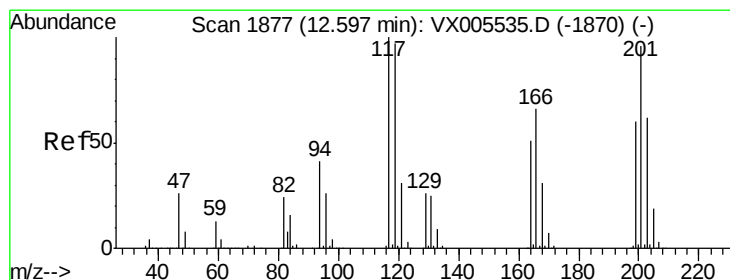
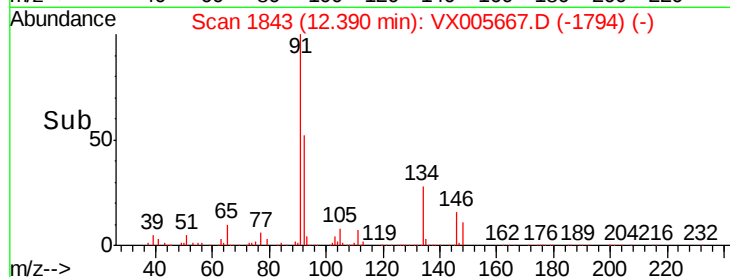
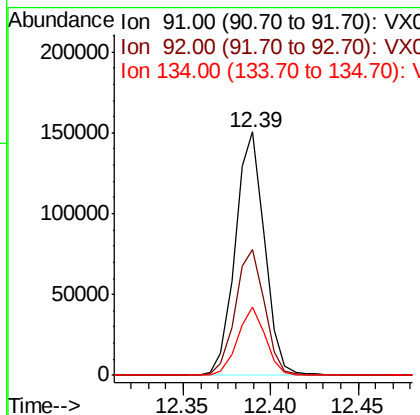
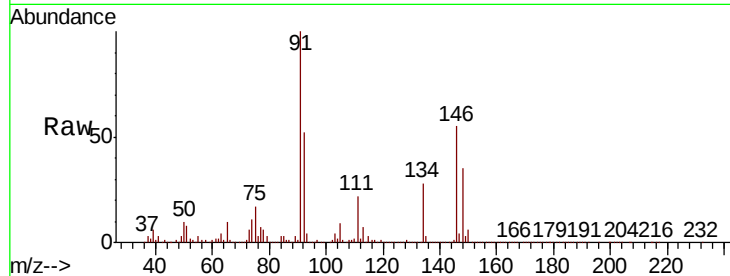
#89
n-Butylbenzene
Concen: 18.892 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005667.D
Acq: 29 Oct 2018 18:17

Instrument :
MSVOA_X
ClientSampleId :
VX1029MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.1	78.2
134	27.0	13.1	39.3

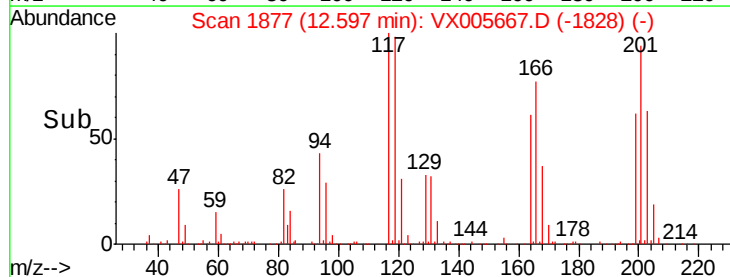
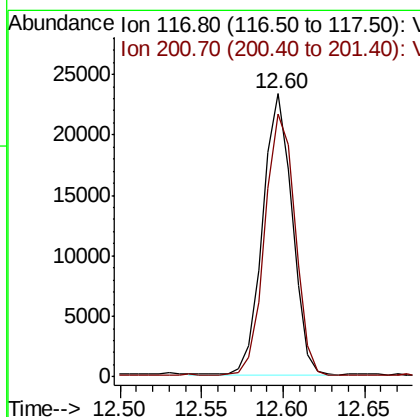
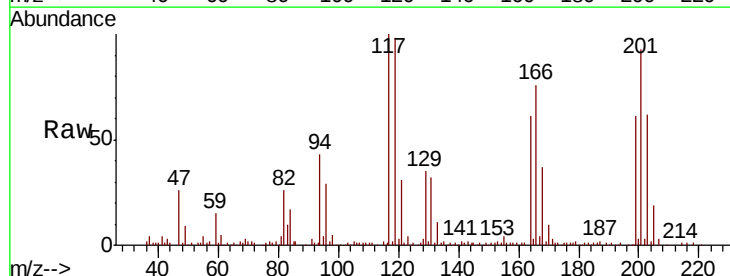
Manual Integrations
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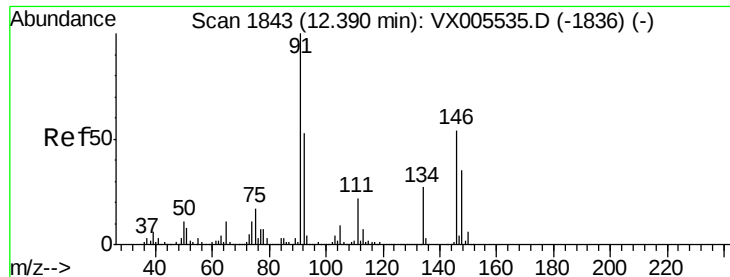
MMDadoda
10/30/2018 10:50:56 AM



#90
Hexachloroethane
Concen: 16.600 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005667.D
Acq: 29 Oct 2018 18:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.6	47.9	143.6





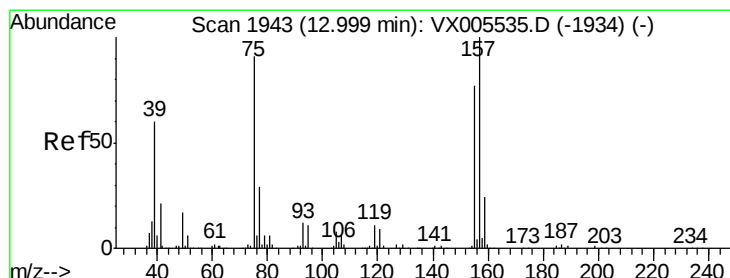
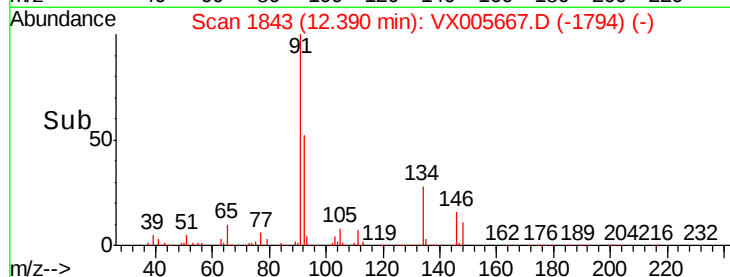
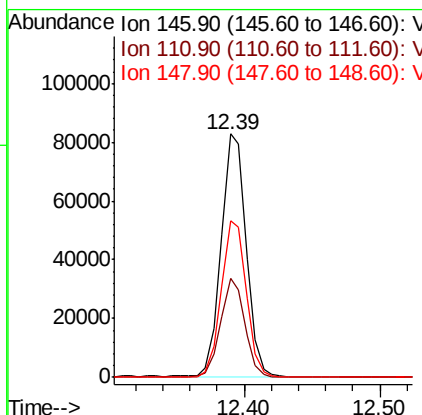
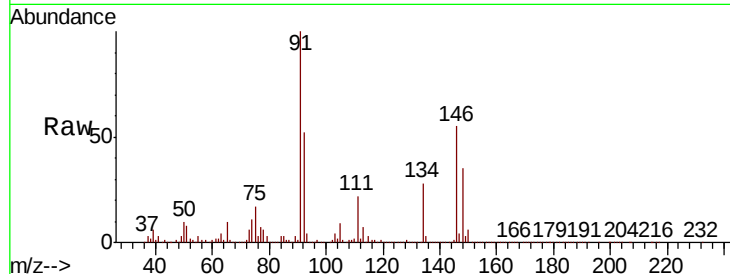
#91
 1,2-Dichlorobenzene
 Concen: 17.768 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005667.D
 Acq: 29 Oct 2018 18:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.0	59.9
148	64.6	32.2	96.6

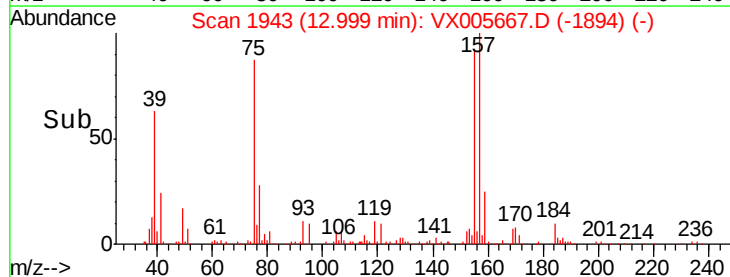
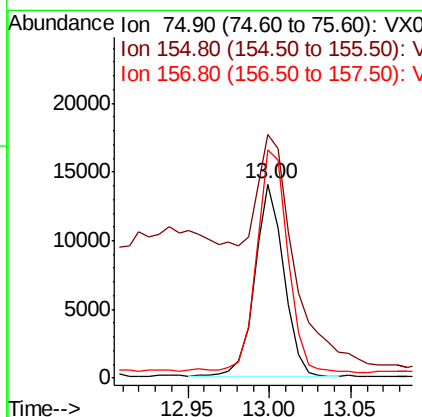
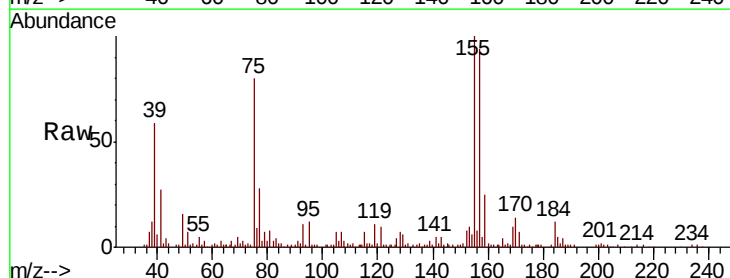
Manual Integrations
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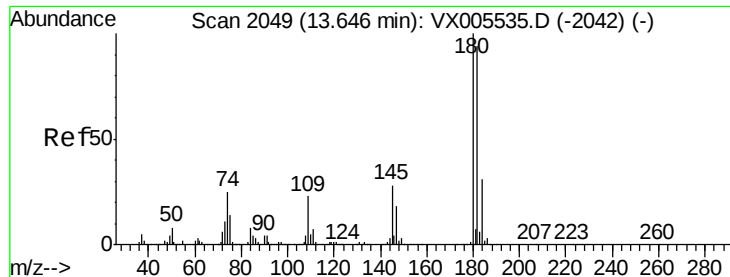
MMDadoda
 10/30/2018 10:50:56 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.313 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005667.D
 Acq: 29 Oct 2018 18:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	177.9	45.4	136.1#
157	124.7	57.4	172.0





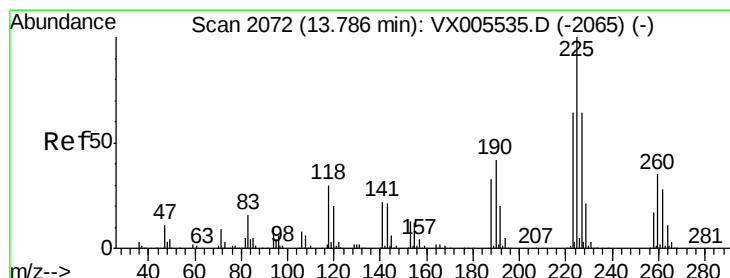
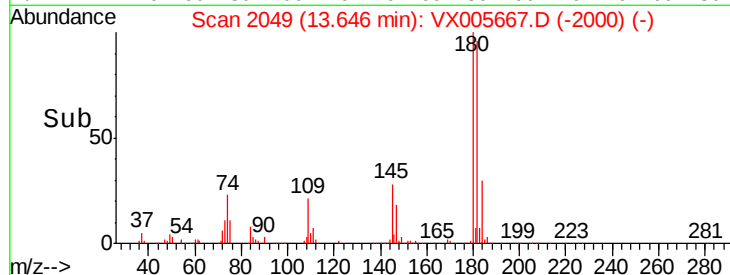
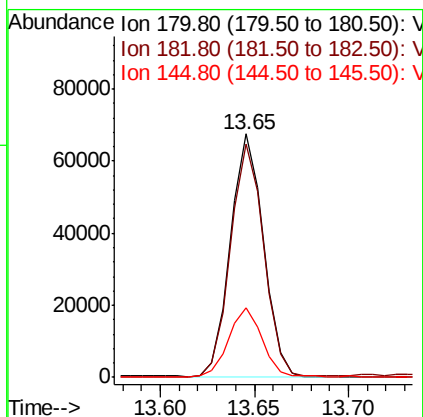
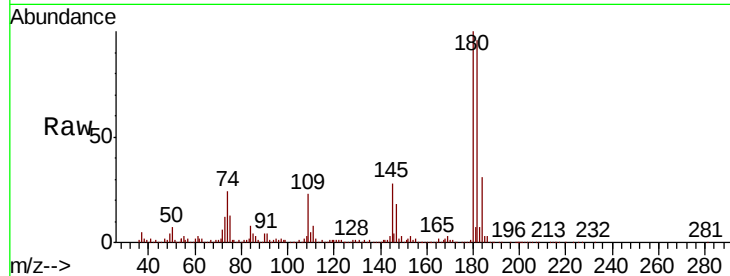
#93
 1,2,4-Trichlorobenzene
 Concen: 19.101 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005667.D
 Acq: 29 Oct 2018 18:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.6	142.8
145	28.4	14.1	42.2

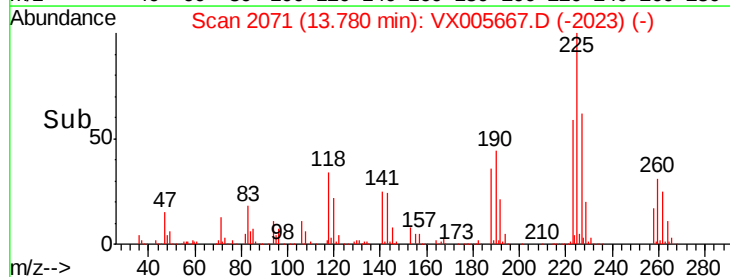
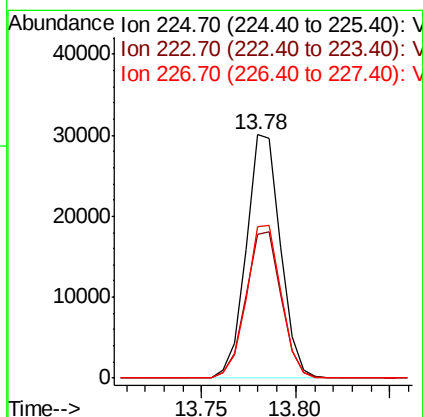
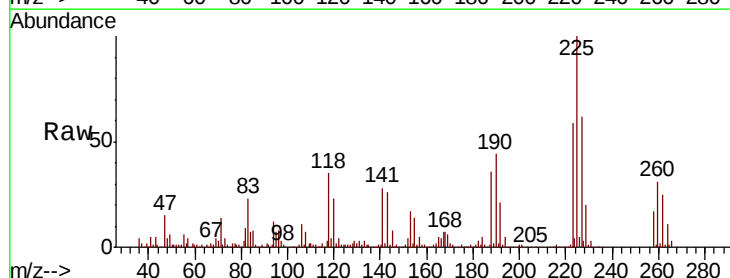
Manual Integrations
 APPROVED

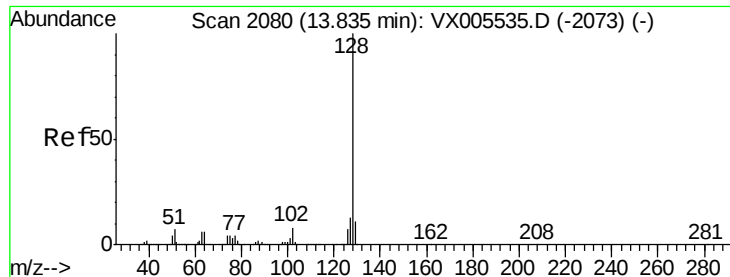
MMDadoda
 10/30/2018 10:50:56 AM



#94
 Hexachlorobutadiene
 Concen: 16.962 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX005667.D
 Acq: 29 Oct 2018 18:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.7	95.1
227	63.9	32.3	96.9





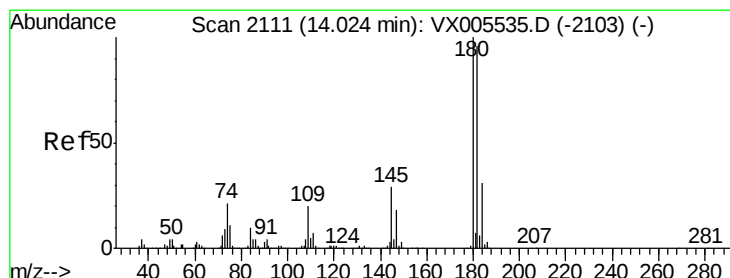
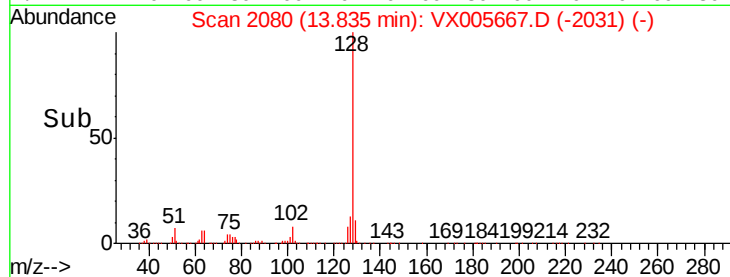
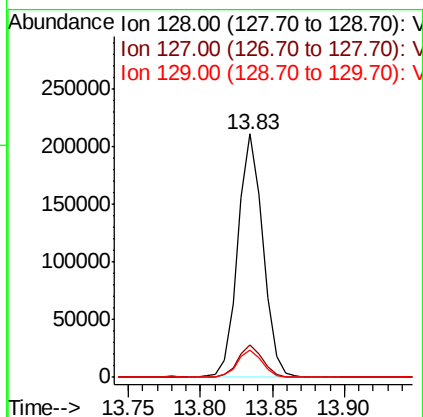
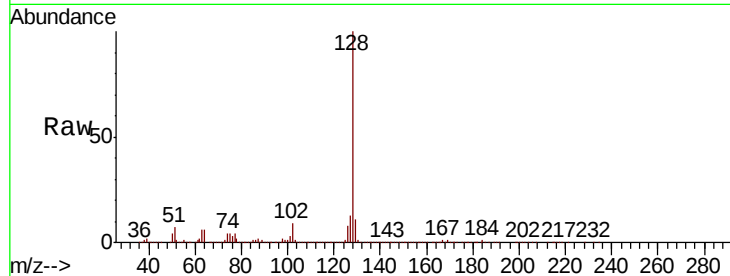
#95
Naphthalene
Concen: 20.356 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005667.D
Acq: 29 Oct 2018 18:17

Instrument :
MSVOA_X
ClientSampleId :
VX1029MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/30/2018 10:50:56 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.385 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX005667.D
Acq: 29 Oct 2018 18:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.2	48.0	144.2
145	30.5	15.1	45.3

