

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072518\
 Data File : VX003661.D
 Acq On : 25 Jul 2018 16:49
 Operator : JC/SP
 Sample : VX0725MBSD01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0725MBSD01

Manual Integrations
 APPROVED

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 7/27/2018 5:29:47 PM

Quant Time: Jul 27 04:23:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 02:16:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	139027	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	200343	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	181497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	96175	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	93614	45.46	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.92%	
35) Dibromofluoromethane	5.51	113	75870	46.33	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.66%	
50) Toluene-d8	8.72	98	295281	47.24	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.48%	
62) 4-Bromofluorobenzene	11.14	95	103938	45.59	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	25137	15.88	ug/l	100
3) Chloromethane	1.32	50	35729	17.13	ug/l	98
4) Vinyl Chloride	1.40	62	38360	17.98	ug/l	97
5) Bromomethane	1.64	94	23028	22.35	ug/l	98
6) Chloroethane	1.72	64	25701	17.32	ug/l	98
7) Trichlorofluoromethane	1.93	101	50130	18.26	ug/l	97
8) Diethyl Ether	2.19	74	22368	18.59	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	31745	18.78	ug/l	98
10) Methyl Iodide	2.51	142	38355	18.94	ug/l	98
11) Tert butyl alcohol	3.07	59	45881	93.20	ug/l	99
12) 1,1-Dichloroethene	2.37	96	29048	18.06	ug/l	92
13) Acrolein	2.29	56	19083	79.46	ug/l	99
14) Allyl chloride	2.73	41	58538	17.46	ug/l	96
15) Acrylonitrile	3.15	53	104118	87.54	ug/l	99
16) Acetone	2.45	43	79286	81.95	ug/l	99
17) Carbon Disulfide	2.57	76	75968	16.42	ug/l	100
18) Methyl Acetate	2.78	43	52354	17.92	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	107109	18.86	ug/l	98
20) Methylene Chloride	2.86	84	34527	18.01	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	31901	18.45	ug/l	99
22) Diisopropyl ether	3.87	45	115295	18.84	ug/l	89
23) Vinyl Acetate	3.82	43	485232	92.55	ug/l	100
24) 1,1-Dichloroethane	3.70	63	61558	17.84	ug/l	99
25) 2-Butanone	4.71	43	131172	87.76	ug/l	100
26) 2,2-Dichloropropane	4.59	77	44166	20.25	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	35339	18.82	ug/l	97
28) Bromochloromethane	5.02	49	22284	16.10	ug/l	94
29) Tetrahydrofuran	5.17	42	84757	87.11	ug/l	96
30) Chloroform	5.22	83	56068	17.92	ug/l	98
31) Cyclohexane	5.57	56	51045	18.43	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	45695	17.59	ug/l	98
36) 1,1-Dichloropropene	5.80	75	43993	18.79	ug/l	99
37) Ethyl Acetate	4.87	43	48472	17.21	ug/l	99
38) Carbon Tetrachloride	5.79	117	39930	17.69	ug/l	99

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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	50263	19.50	ug/l	99
40) Benzene	6.15	78	135224	19.51	ug/l	99
41) Methacrylonitrile	5.07	41	27713	17.77	ug/l	99
42) 1,2-Dichloroethane	6.20	62	45873	18.81	ug/l	100
43) Isopropyl Acetate	6.47	43	75466	18.37	ug/l	99
44) Trichloroethene	7.21	130	34251	18.43	ug/l	96
45) 1,2-Dichloropropane	7.52	63	32718	18.26	ug/l	99
46) Dibromomethane	7.67	93	20545	17.85	ug/l	99
47) Bromodichloromethane	7.90	83	37314	17.29	ug/l	98
48) Methyl methacrylate	7.78	41	38073	18.26	ug/l	98
49) 1,4-Dioxane	7.76	88	17308	372.16	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	248847	89.78	ug/l	100
52) Toluene	8.79	92	80069	18.59	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	43078	18.03	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	47985	18.25	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	32474	18.44	ug/l	98
56) Ethyl methacrylate	9.18	69	49521	18.90	ug/l	98
57) 1,3-Dichloropropane	9.37	76	53622	18.14	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	125507	95.32	ug/l	99
59) 2-Hexanone	9.50	43	186866	87.89	ug/l	100
60) Dibromochloromethane	9.59	129	29002	17.37	ug/l	99
61) 1,2-Dibromoethane	9.68	107	33143	18.08	ug/l	99
64) Tetrachloroethene	9.34	164	30738	18.52	ug/l	98
65) Chlorobenzene	10.14	112	87516	19.16	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	29172	18.37	ug/l	99
67) Ethyl Benzene	10.26	91	148262	19.39	ug/l	99
68) m/p-Xylenes	10.36	106	115268	39.30	ug/l	99
69) o-Xylene	10.70	106	54594	19.33	ug/l	99
70) Styrene	10.71	104	90445	19.07	ug/l	99
71) Bromoform	10.86	173	21131	16.83	ug/l #	99
73) Isopropylbenzene	11.02	105	147446	22.44	ug/l	100
74) N-amyl acetate	6.47	43	75466	22.02	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	48349	19.92	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	42805m	21.22	ug/l	
77) Bromobenzene	11.26	156	37742	21.15	ug/l	99
78) n-propylbenzene	11.36	91	168781	22.24	ug/l	100
79) 2-Chlorotoluene	11.42	91	99935	21.67	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	122869	22.10	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	13016	19.99	ug/l #	85
82) 4-Chlorotoluene	11.51	91	117333	21.60	ug/l	99
83) tert-Butylbenzene	11.77	119	112462	20.67	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	118802	20.79	ug/l	100
85) sec-Butylbenzene	11.95	105	134463	20.71	ug/l	100
86) p-Isopropyltoluene	12.07	119	121115	20.78	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	67633	20.35	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	64459	18.65	ug/l	99
89) n-Butylbenzene	12.39	91	104363	19.87	ug/l	99
90) Hexachloroethane	12.60	117	15979	18.11	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	63988	18.84	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	9244	18.30	ug/l	99

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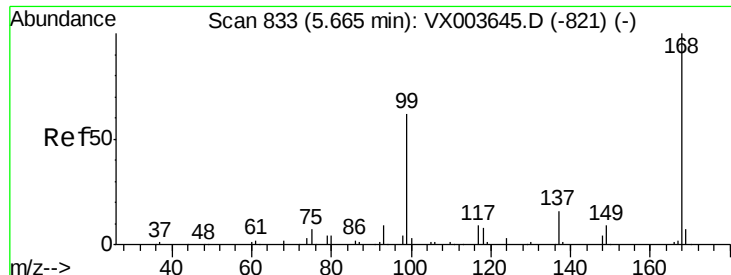
Manual Integrations
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7/27/2018 5:29:47 PM

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	44625	18.42	ug/l	100
94) Hexachlorobutadiene	13.79	225	20179	18.00	ug/l	99
95) Naphthalene	13.83	128	137074	18.70	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	44891	18.24	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003661.D

Acq: 25 Jul 2018 16:49

Instrument :

MSVOA_X

ClientSampleId :

VX0725MBS01

Tot Ion:168 Resp: 139027

Ion Ratio Lower Upper

168 100

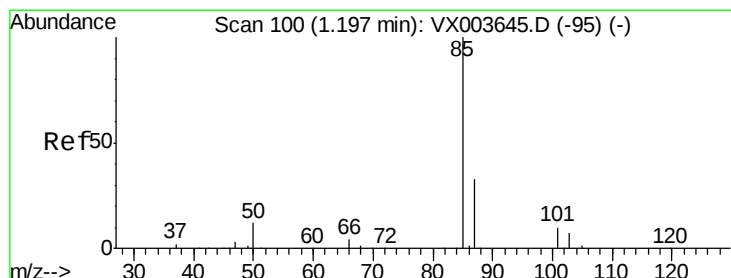
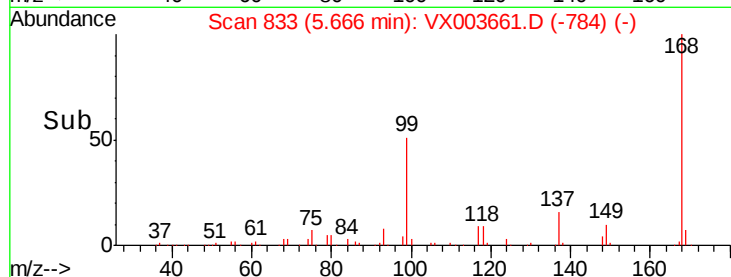
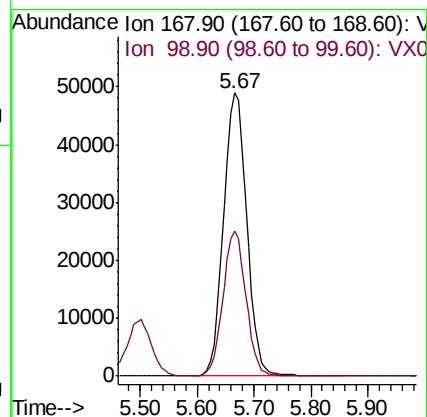
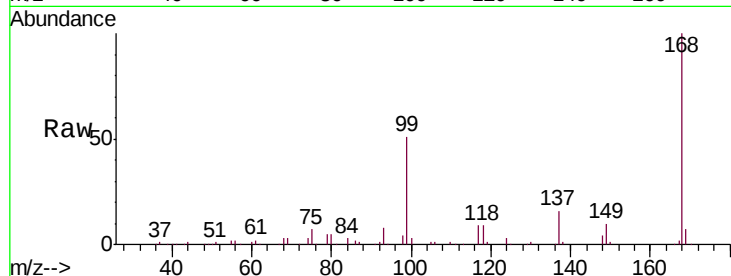
99 51.4 49.5 74.3

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 15.88 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003661.D

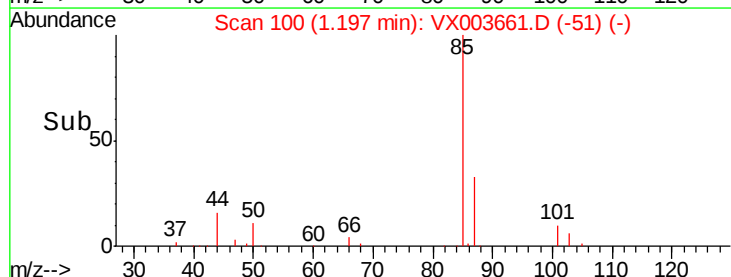
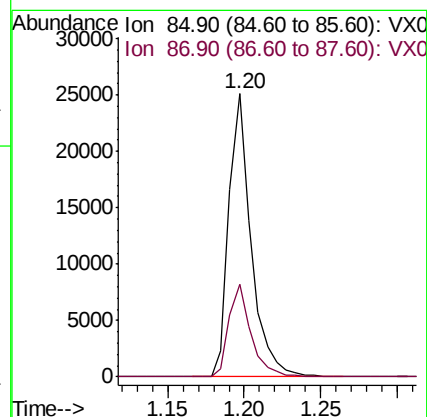
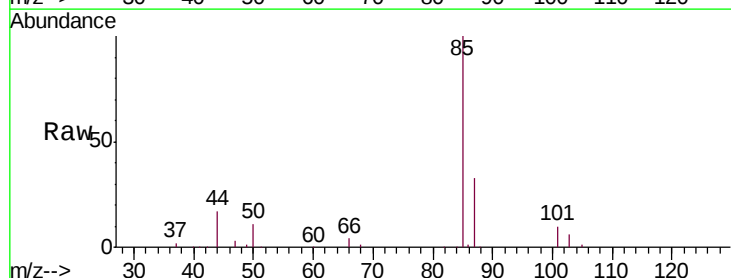
Acq: 25 Jul 2018 16:49

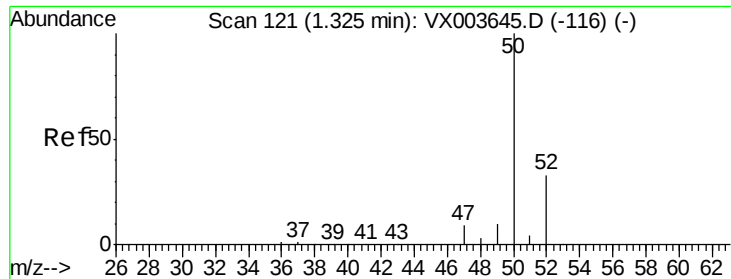
Tgt Ion: 85 Resp: 25137

Ion Ratio Lower Upper

85 100

87 32.8 16.5 49.5





#3

Chloromethane

Concen: 17.13 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003661.D

Acq: 25 Jul 2018 16:49

Instrument :

MSVOA_X

ClientSampleId :

VX0725MBSD01

Tot Ion: 50 Resp: 35729

Ion Ratio Lower Upper

50 100

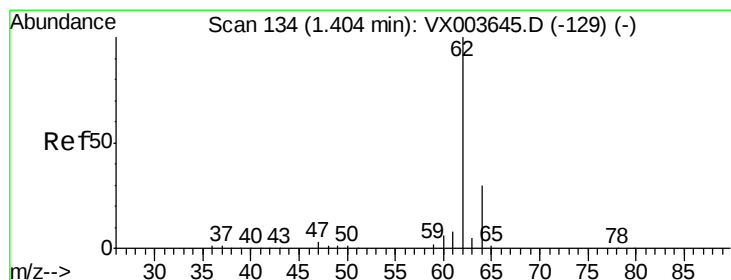
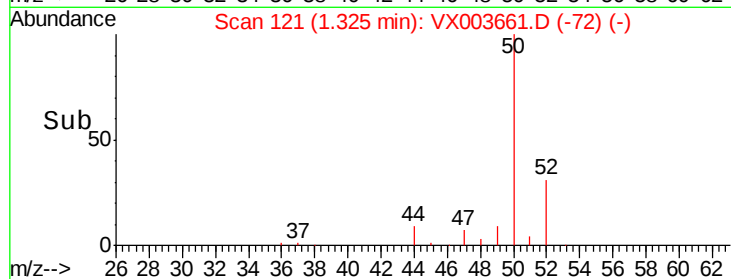
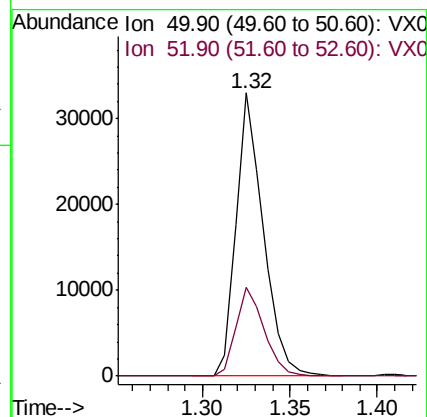
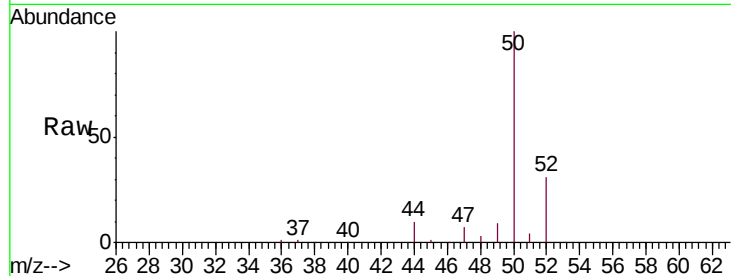
52 31.5 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.98 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003661.D

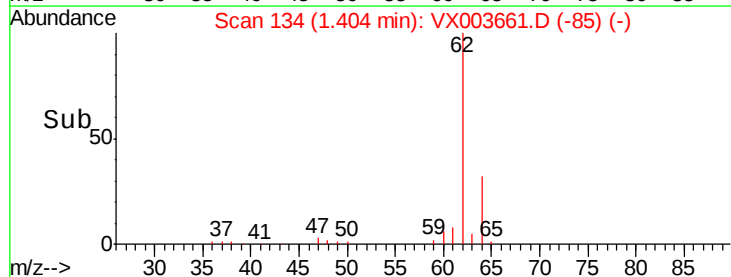
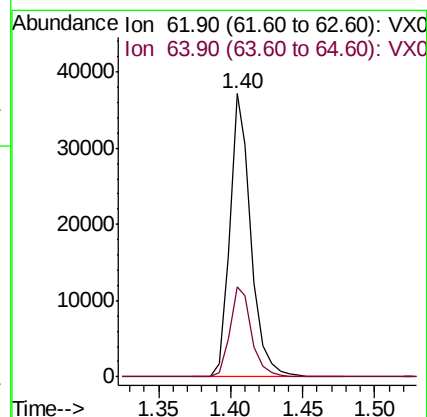
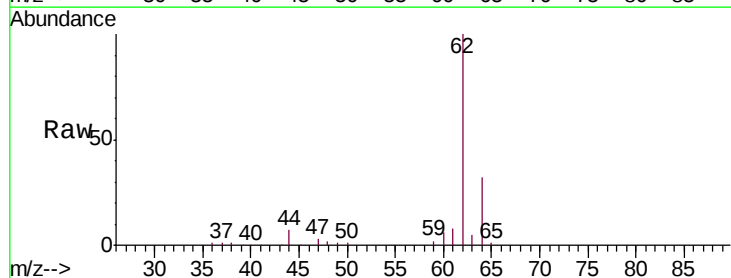
Acq: 25 Jul 2018 16:49

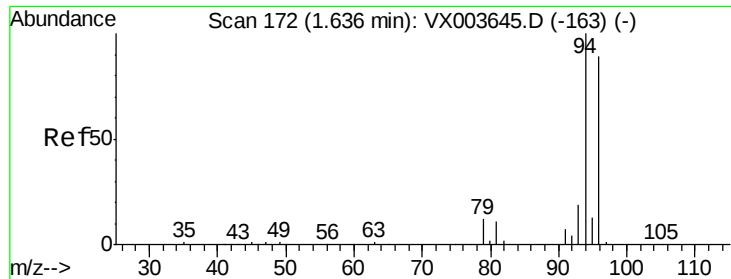
Tgt Ion: 62 Resp: 38360

Ion Ratio Lower Upper

62 100

64 31.9 24.4 36.6





#5

Bromomethane

Concen: 22.35 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003661.D

Acq: 25 Jul 2018 16:49

Instrument :

MSVOA_X

ClientSampleId :

VX0725MBSD01

Tot Ion: 94 Resp: 23028

Ion Ratio Lower Upper

94 100

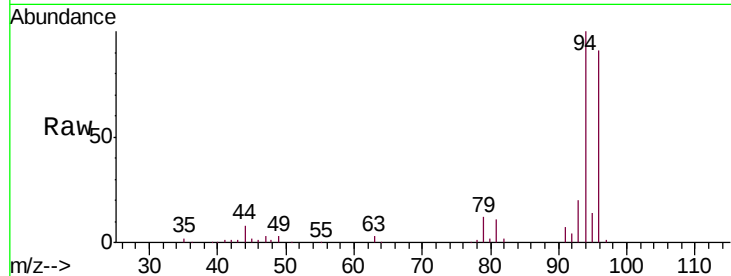
96 91.4 71.3 106.9

Manual Integrations

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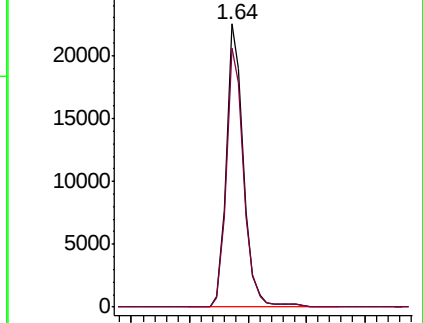
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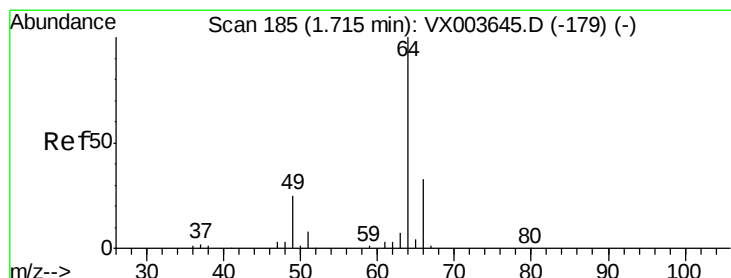
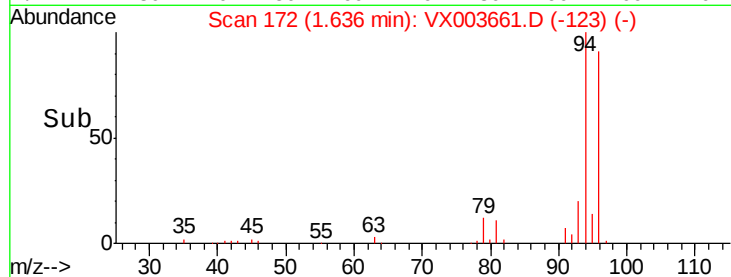


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time--> 1.55 1.60 1.65 1.70 1.75



#6

Chloroethane

Concen: 17.32 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003661.D

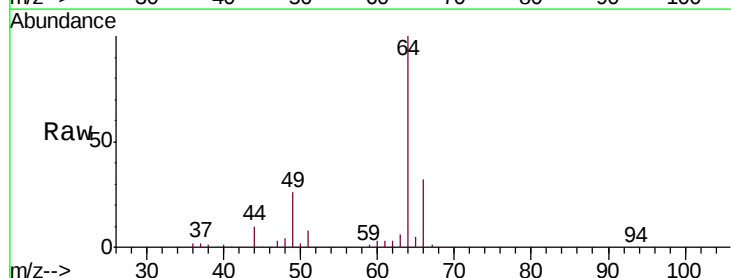
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Tgt Ion: 64 Resp: 25701

Ion Ratio Lower Upper

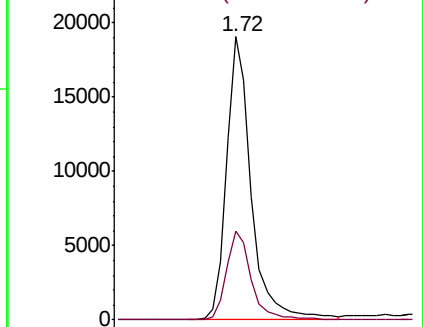
64 100

66 31.6 26.3 39.5

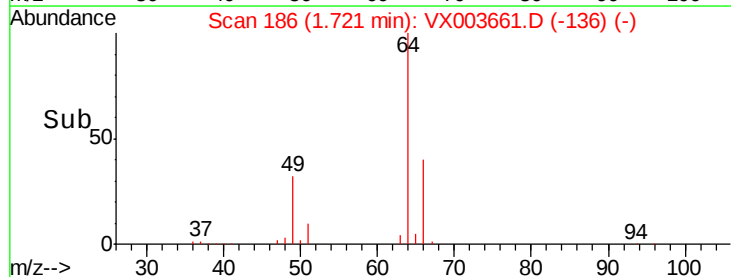


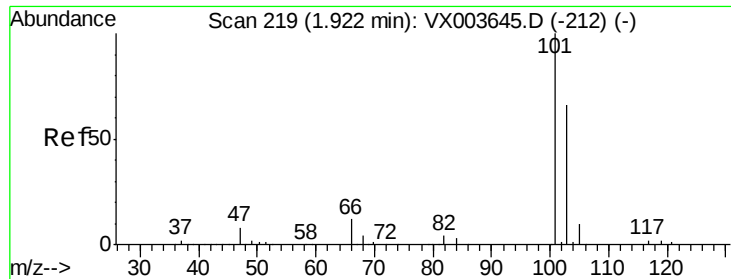
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time--> 1.65 1.70 1.75 1.80





#7

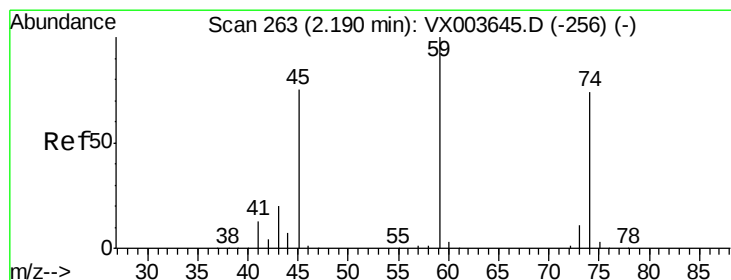
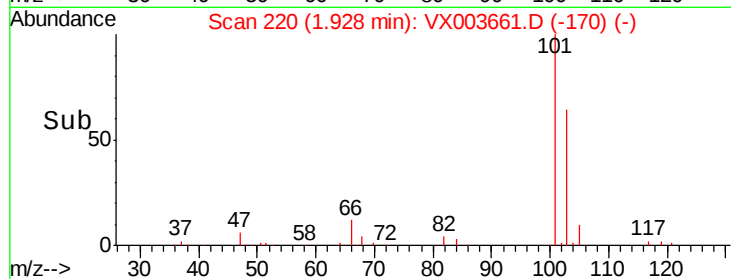
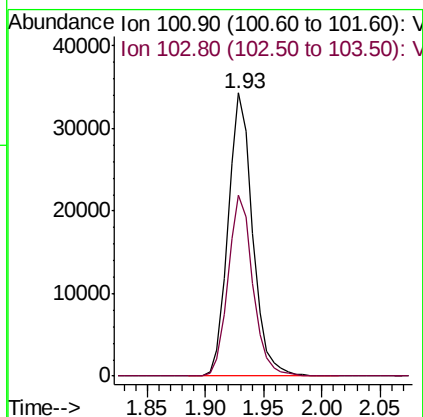
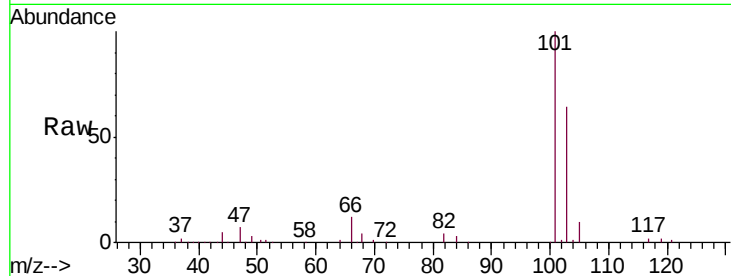
Trichlorofluoromethane
 Concen: 18.26 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX003661.D
 Acq: 25 Jul 2018 16:49

Instrument :
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 ClientSampleId :
 VX0725MBSD01

Tot Ion:101 Resp: 50130
 Ion Ratio Lower Upper
 101 100
 103 64.1 53.2 79.8

Manual Integrations
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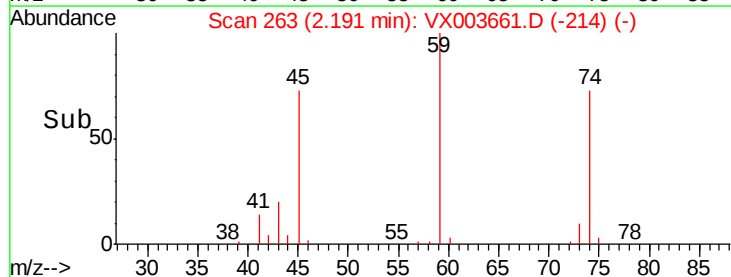
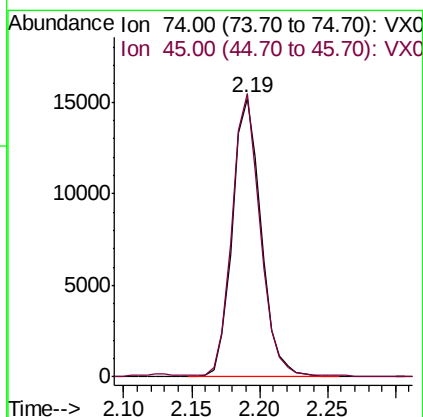
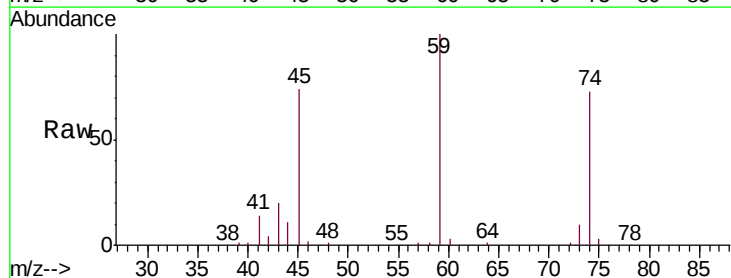
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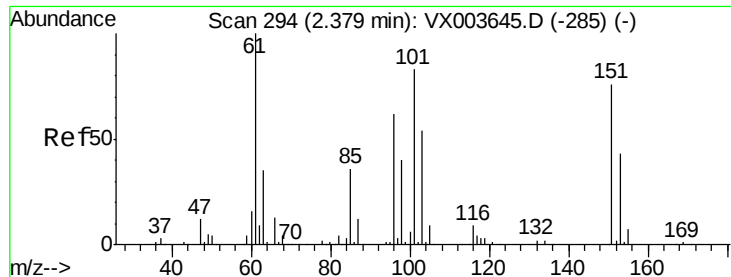


#8

Diethyl Ether
 Concen: 18.59 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003661.D
 Acq: 25 Jul 2018 16:49

Tgt Ion: 74 Resp: 22368
 Ion Ratio Lower Upper
 74 100
 45 100.8 51.0 153.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.78 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003661.D

Acq: 25 Jul 2018 16:49

Instrument :

MSVOA_X

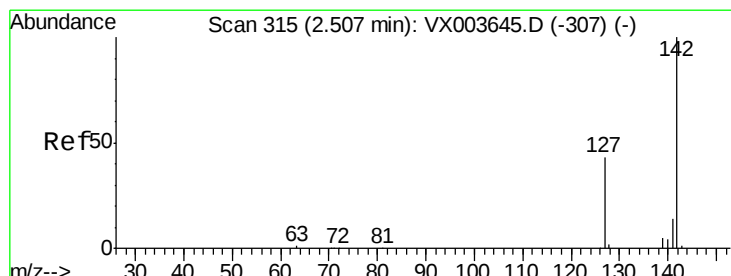
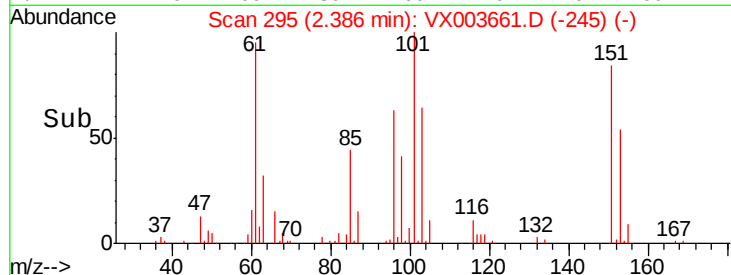
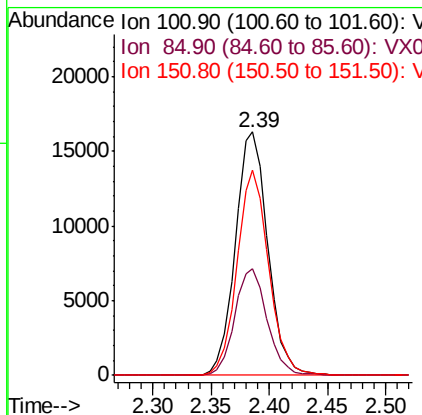
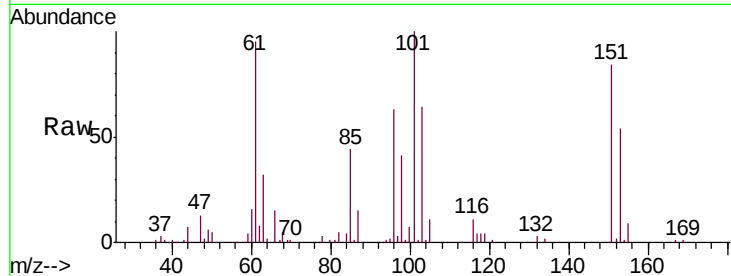
ClientSampleId :

VX0725MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.4	34.6	52.0
151	82.2	67.5	101.3

Manual Integrations
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MMDadoda
7/27/2018 5:29:47 PM



#10

Methyl Iodide

Concen: 18.94 ug/l

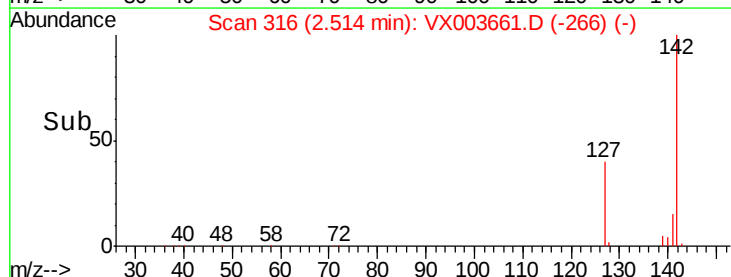
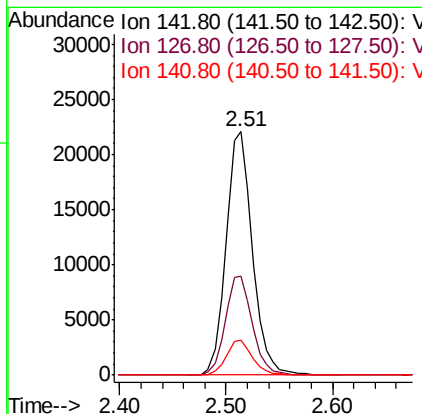
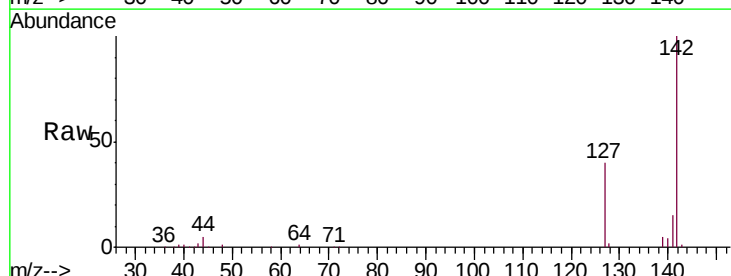
RT: 2.51 min Scan# 316

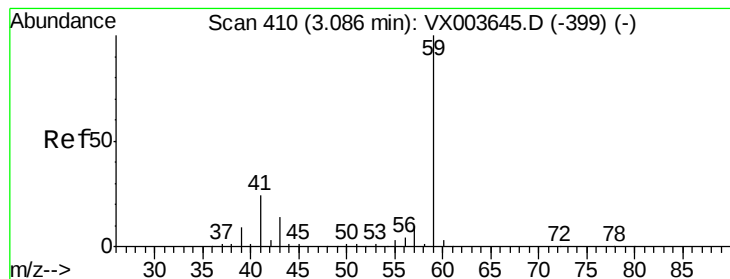
Delta R.T. 0.01 min

Lab File: VX003661.D

Acq: 25 Jul 2018 16:49

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.3	34.0	51.0
141	14.4	11.3	16.9





#11

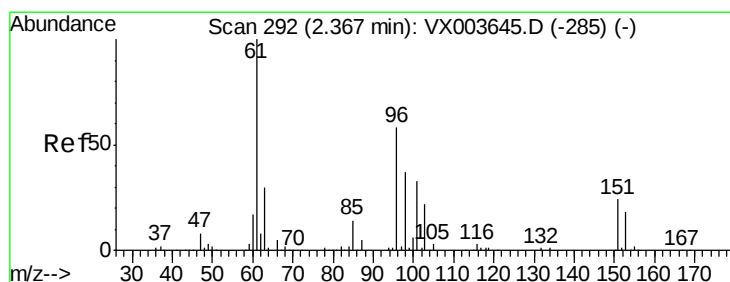
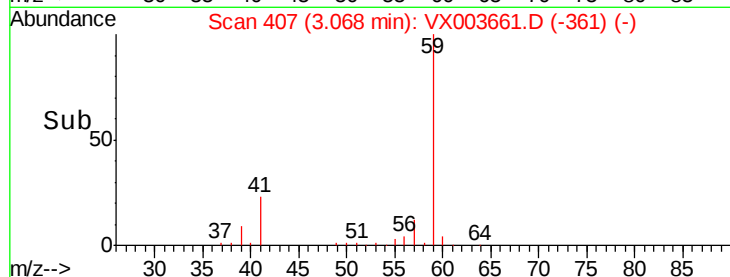
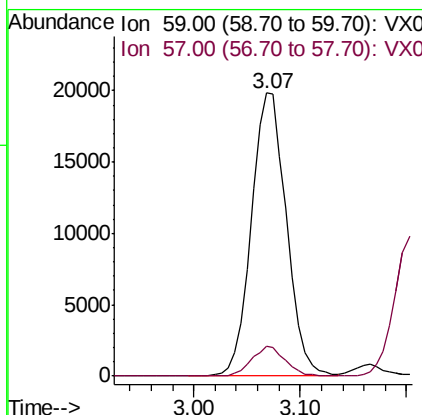
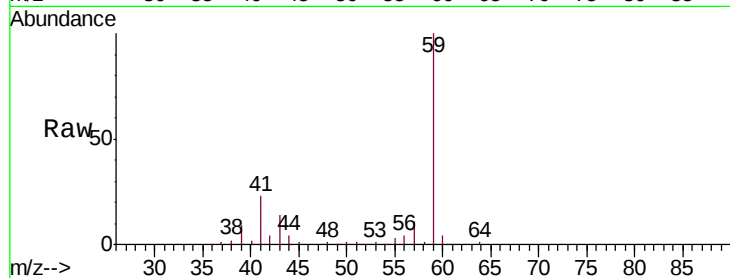
Tert butyl alcohol
 Concen: 93.20 ug/l
 RT: 3.07 min Scan# 407
 Delta R.T. -0.02 min
 Lab File: VX003661.D
 Acq: 25 Jul 2018 16:49

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0725MBS01

Tot Ion	59.00 (58.70 to 59.70): VX0	Resp	45881
Ion Ratio	100	Lower	Upper
59	100	8.2	12.4
57	9.9		

Manual Integrations
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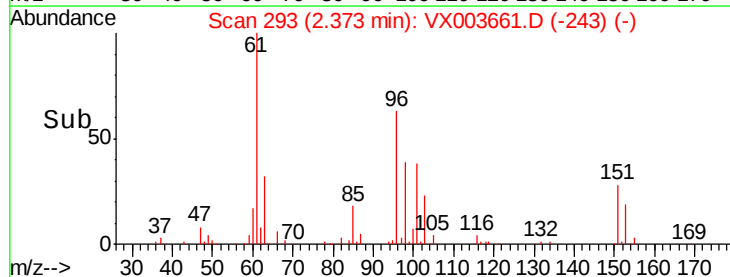
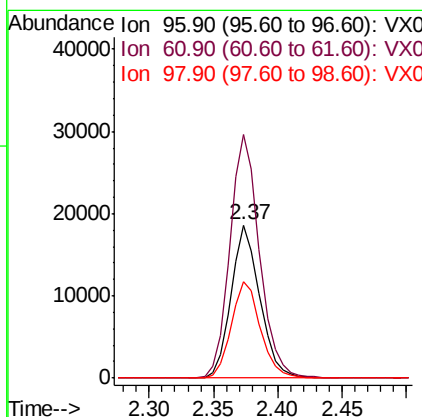
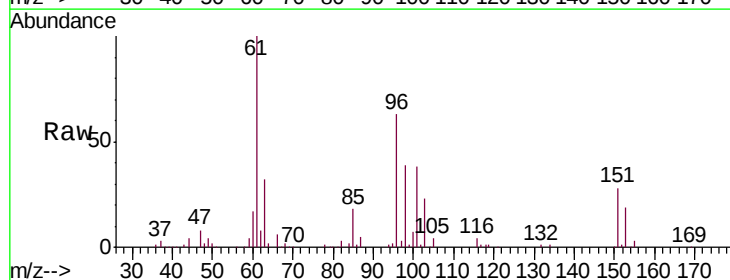
MMDadoda
 7/27/2018 5:29:47 PM

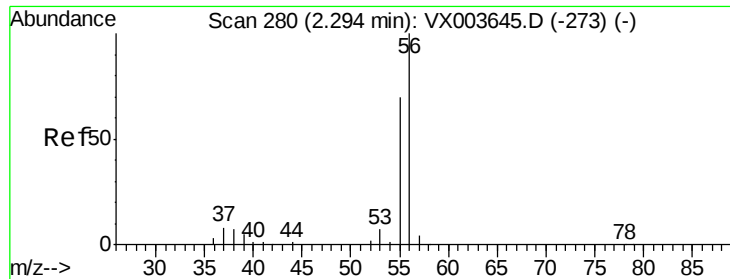


#12

1,1-Dichloroethene
 Concen: 18.06 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: VX003661.D
 Acq: 25 Jul 2018 16:49

Tgt Ion	96	Resp	29048
Ion Ratio	100	Lower	Upper
96	100	138.8	208.2
61	159.4		
98	62.9		





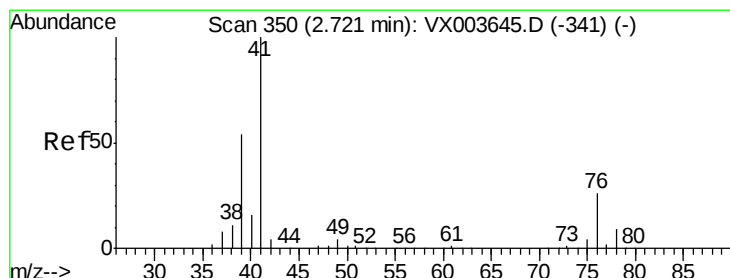
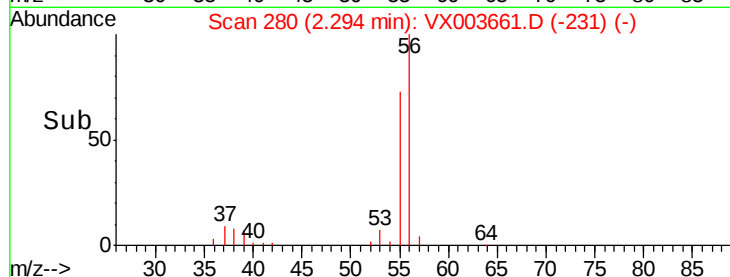
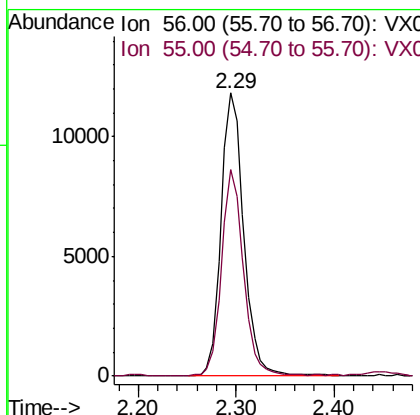
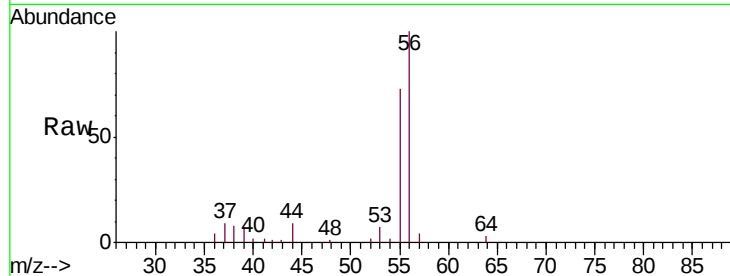
#13
Acrolein
Concen: 79.46 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX003661.D
Acq: 25 Jul 2018 16:49

Instrument :
MSVOA_X
ClientSampleId :
VX0725MBS01

Tot Ion: 56 Resp: 19083
Ion Ratio Lower Upper
56 100
55 70.5 55.4 83.2

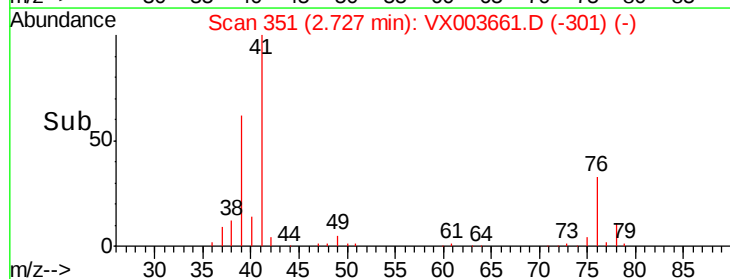
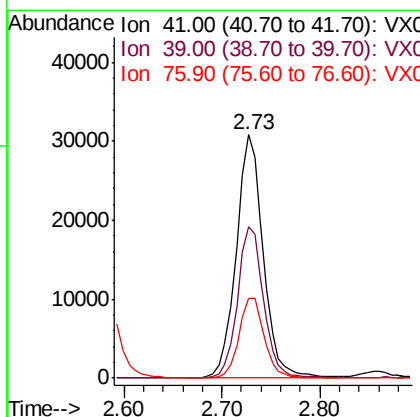
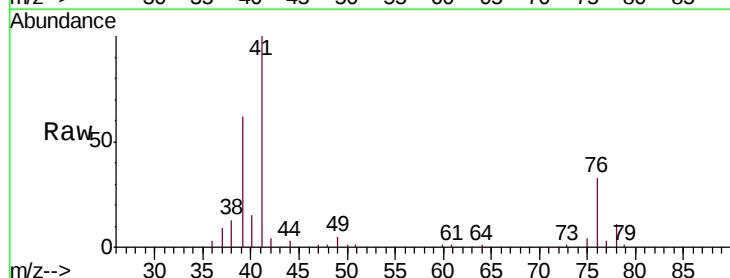
Manual Integrations
APPROVED

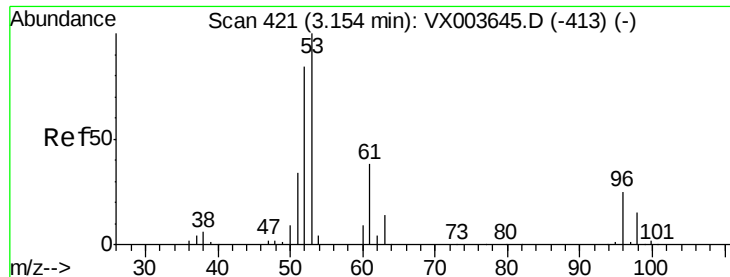
MMDadoda
7/27/2018 5:29:47 PM



#14
Allyl chloride
Concen: 17.46 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.01 min
Lab File: VX003661.D
Acq: 25 Jul 2018 16:49

Tgt Ion: 41 Resp: 58538
Ion Ratio Lower Upper
41 100
39 59.9 45.3 67.9
76 31.3 23.8 35.6





#15

Acrylonitrile

Concen: 87.54 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003661.D

Acq: 25 Jul 2018 16:49

Instrument :

MSVOA_X

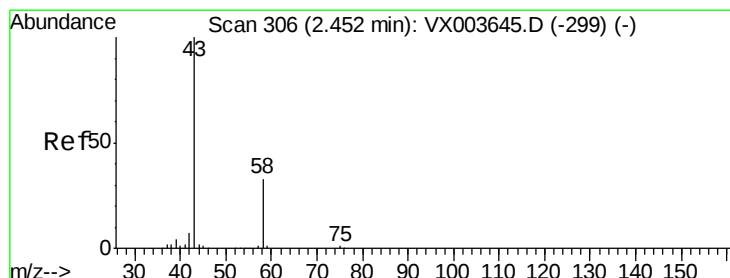
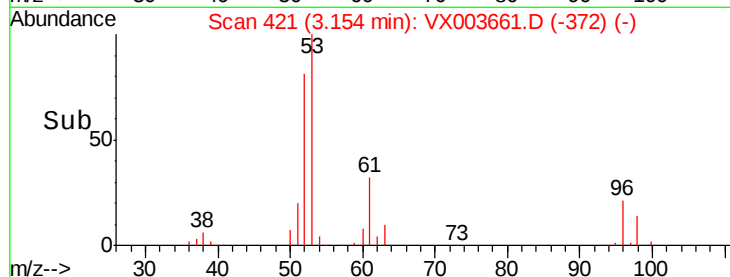
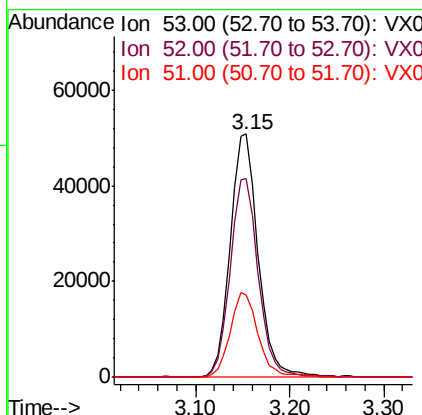
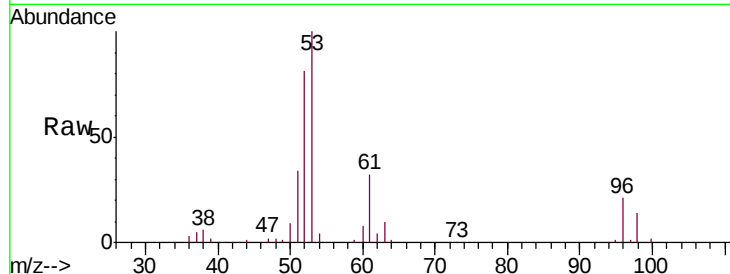
ClientSampleId :

VX0725MBSD01

Tot Ion:	53	Resp:	104118
Ion Ratio	Lower	Upper	
53	100		
52	83.3	66.1	99.1
51	35.6	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 81.95 ug/l

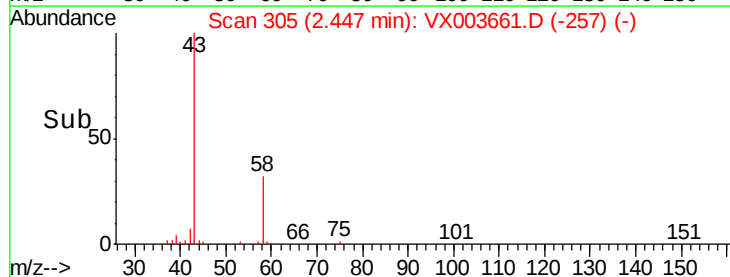
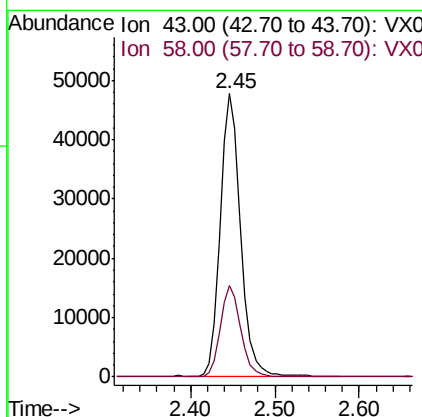
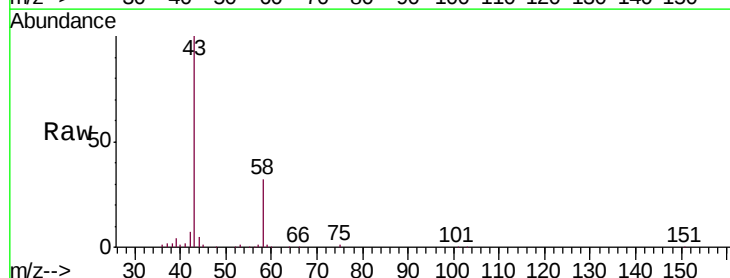
RT: 2.45 min Scan# 305

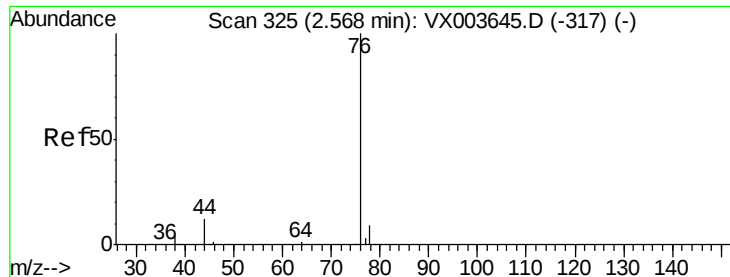
Delta R.T. -0.01 min

Lab File: VX003661.D

Acq: 25 Jul 2018 16:49

Tgt Ion:	43	Resp:	79286
Ion Ratio	Lower	Upper	
43	100		
58	32.3	26.1	39.1





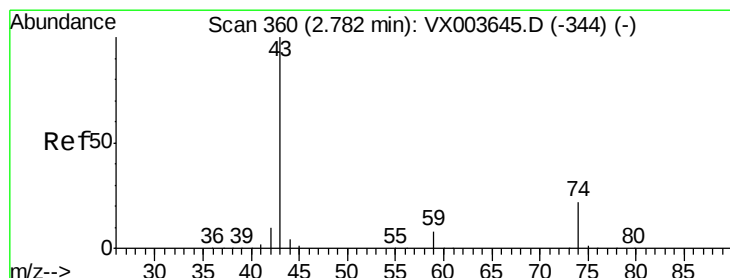
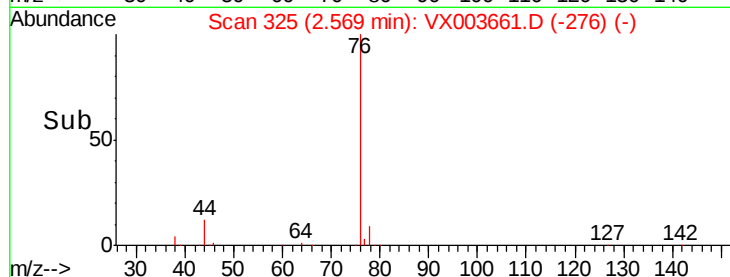
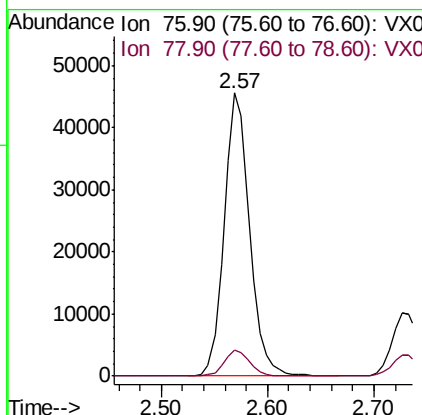
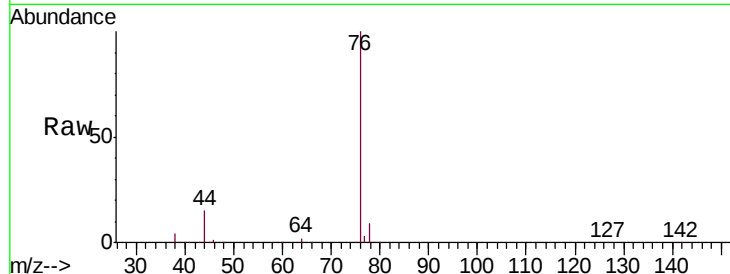
#17
Carbon Disulfide
Concen: 16.42 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003661.D
Acq: 25 Jul 2018 16:49

Instrument :
MSVOA_X
ClientSampleId :
VX0725MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

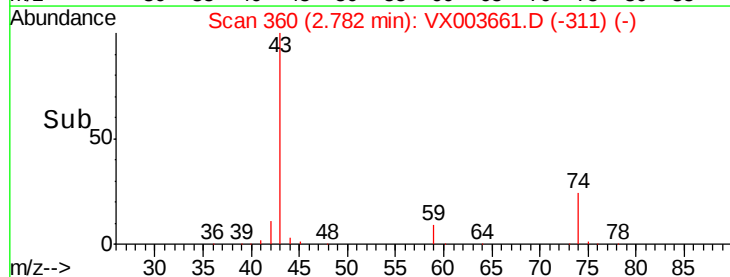
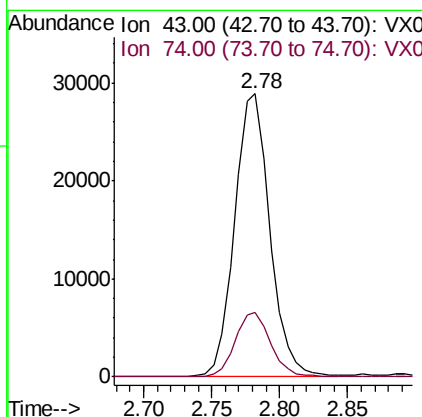
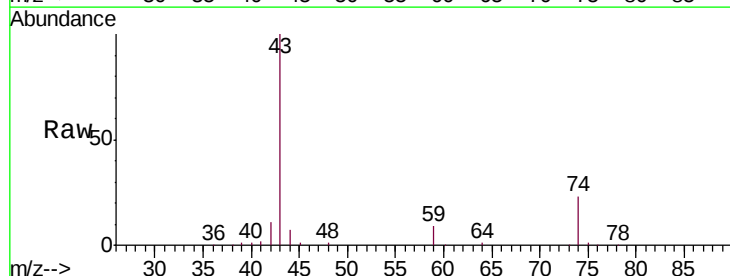
Manual Integrations
APPROVED

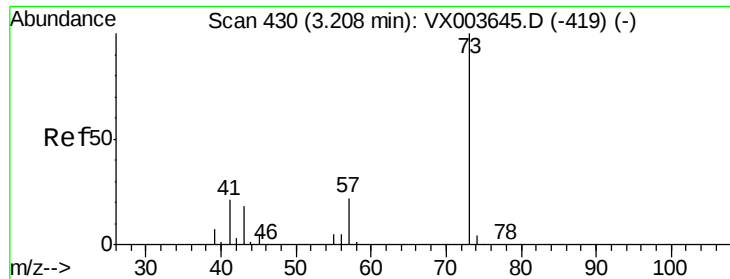
MMDadoda
7/27/2018 5:29:47 PM



#18
Methyl Acetate
Concen: 17.92 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003661.D
Acq: 25 Jul 2018 16:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	17.8	26.8





#19

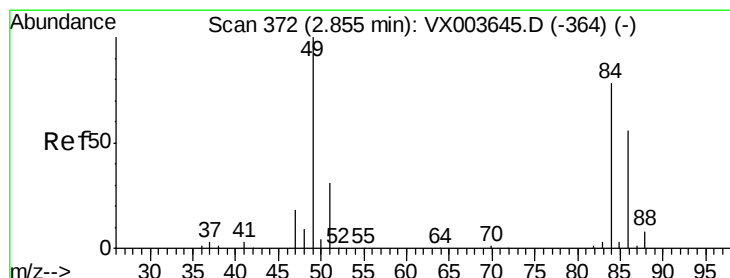
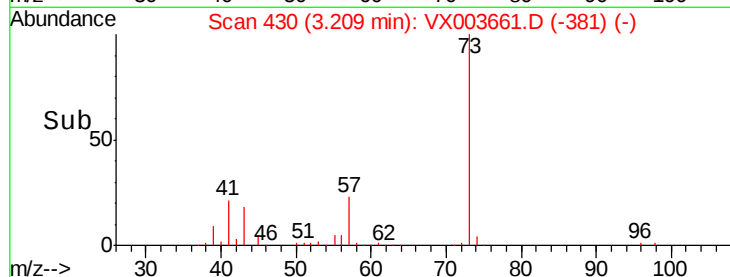
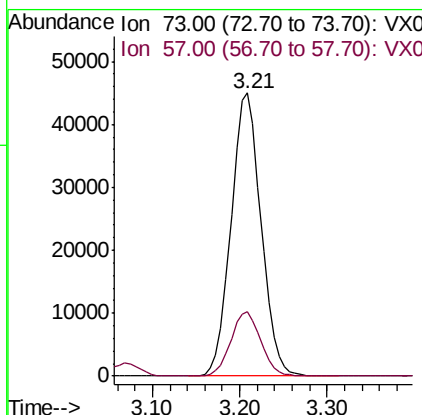
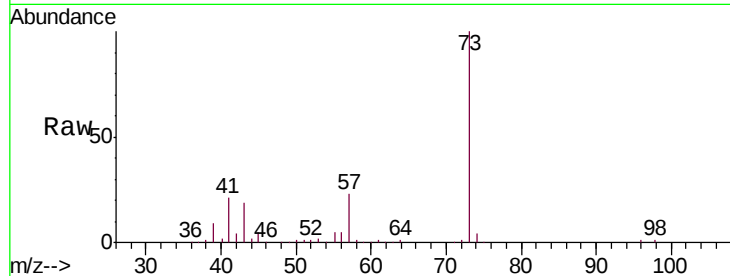
Methyl tert-butyl Ether
 Concen: 18.86 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: VX003661.D
 Acq: 25 Jul 2018 16:49

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0725MBS01

Tot Ion	73	Resp	107109
Ion Ratio	100	Lower	Upper
73	100		
57	22.8	17.4	26.2

Manual Integrations
 APPROVED

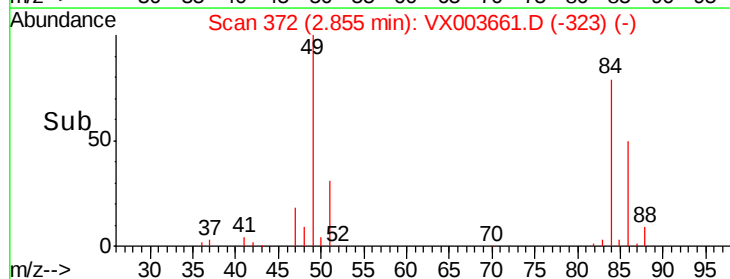
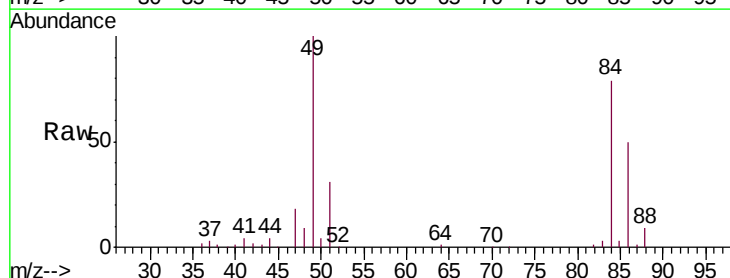
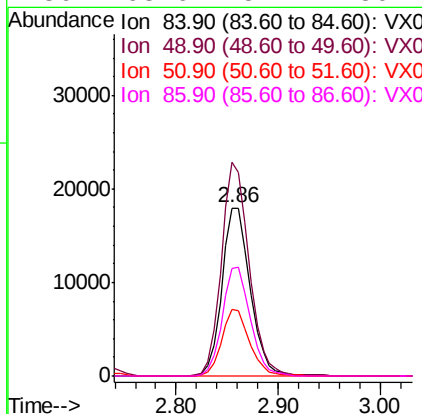
MMDadoda
 7/27/2018 5:29:47 PM

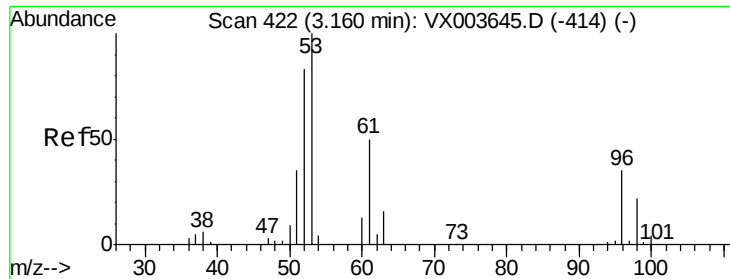


#20

Methylene Chloride
 Concen: 18.01 ug/l
 RT: 2.86 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VX003661.D
 Acq: 25 Jul 2018 16:49

Tgt Ion	84	Resp	34527
Ion Ratio	100	Lower	Upper
84	100		
49	127.1	102.3	153.5
51	39.3	31.8	47.8
86	63.6	57.4	86.2





#21

trans-1,2-Dichloroethene

Concen: 18.45 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX003661.D

Acq: 25 Jul 2018 16:49

Instrument :

MSVOA_X

ClientSampleId :

VX0725MBS01

Tot Ion: 96 Resp: 31901

Ion Ratio Lower Upper

96 100

61 143.8 115.0 172.4

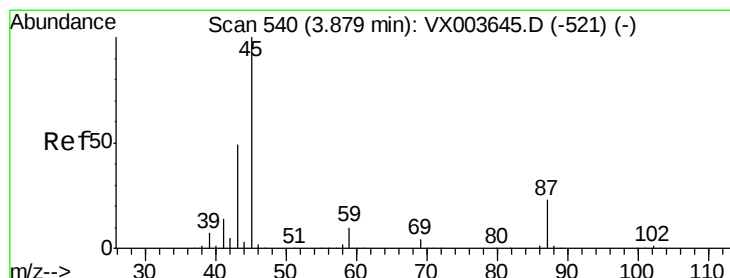
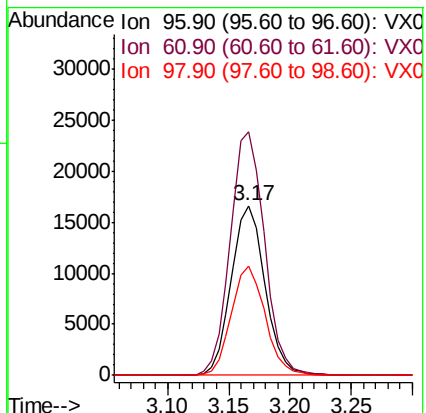
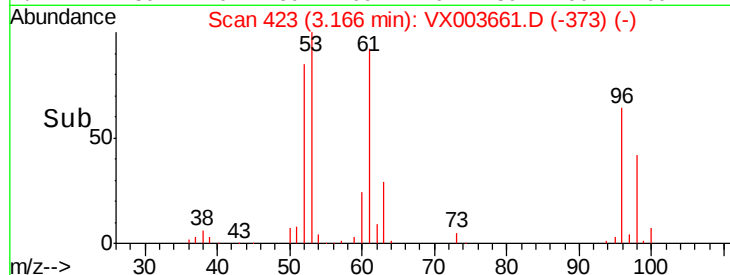
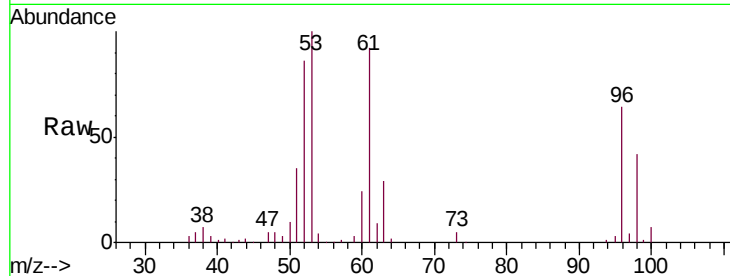
98 64.8 49.7 74.5

Manual Integrations

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#22

Diisopropyl ether

Concen: 18.84 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX003661.D

Acq: 25 Jul 2018 16:49

Tgt Ion: 45 Resp: 115295

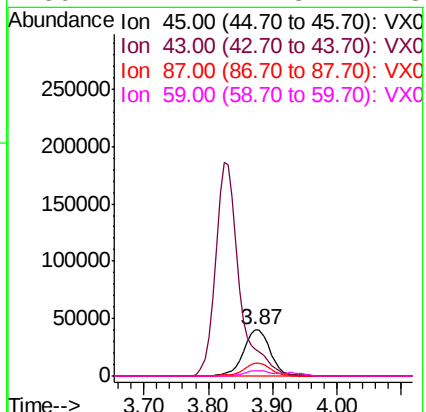
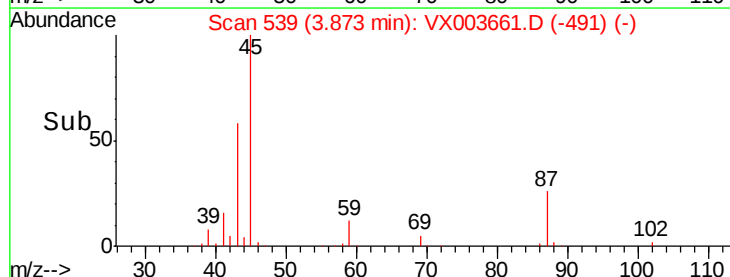
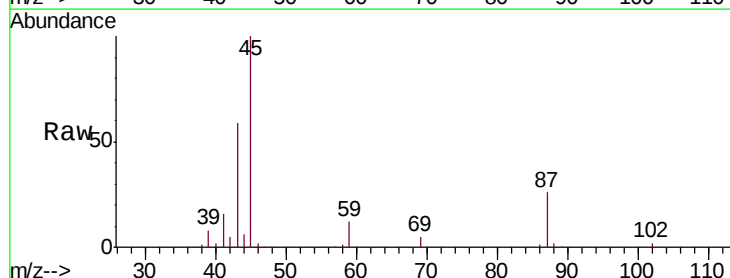
Ion Ratio Lower Upper

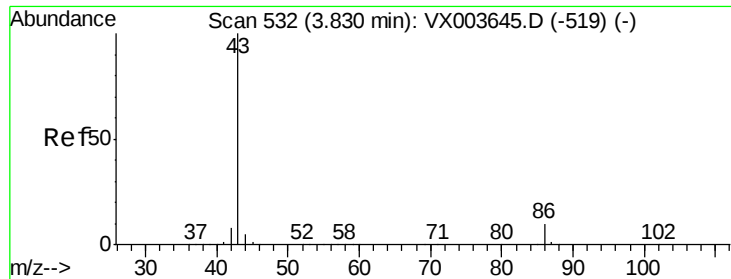
45 100

43 58.2 39.0 58.4

87 26.3 18.4 27.6

59 11.7 7.8 11.8





#23

Vinyl Acetate

Concen: 92.55 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX003661.D

Acq: 25 Jul 2018 16:49

Instrument :

MSVOA_X

ClientSampleId :

VX0725MBS01

Tot Ion: 43 Resp: 485232

Ion Ratio Lower Upper

43 100

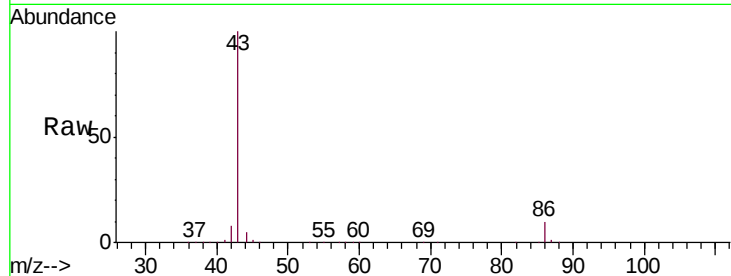
86 9.5 7.7 11.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

200000

150000

100000

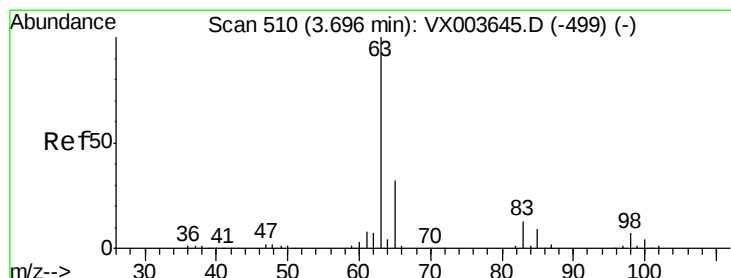
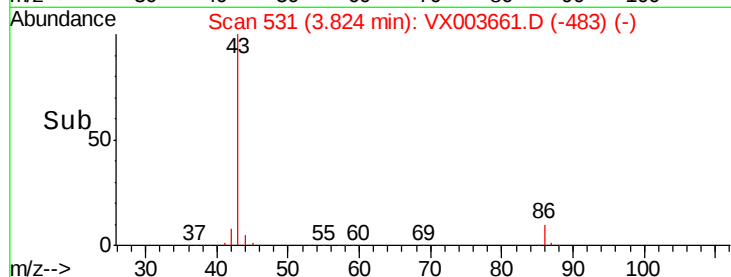
50000

0

3.80

4.00

Time-->



#24

1,1-Dichloroethane

Concen: 17.84 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003661.D

Acq: 25 Jul 2018 16:49

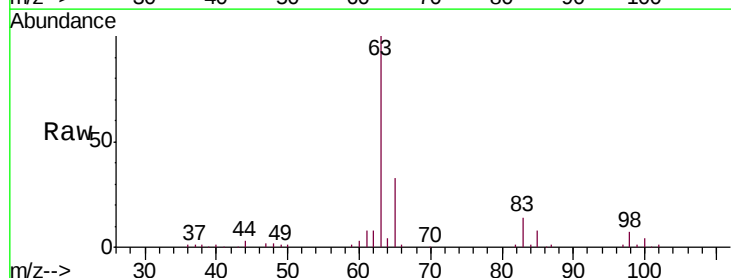
Tgt Ion: 63 Resp: 61558

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

100 3.8 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

30000

20000

10000

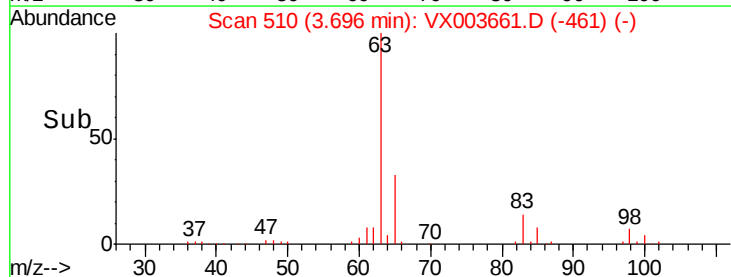
0

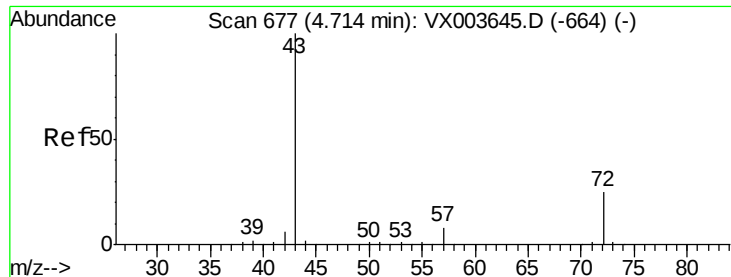
3.60

3.70

3.80

Time-->





#25

2-Butanone

Concen: 87.76 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX003661.D

Acq: 25 Jul 2018 16:49

Instrument :

MSVOA_X

ClientSampleId :

VX0725MBSD01

Tot Ion: 43 Resp: 131172

Ion Ratio Lower Upper

43 100

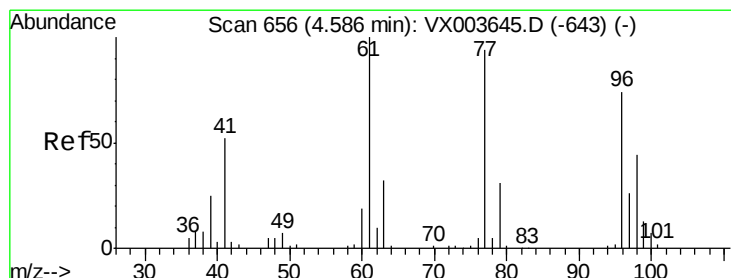
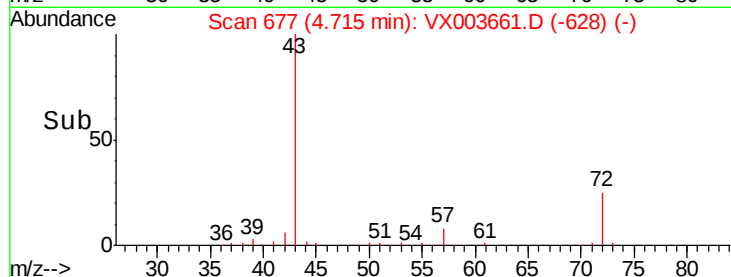
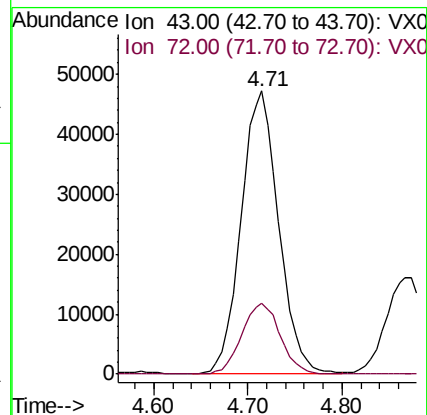
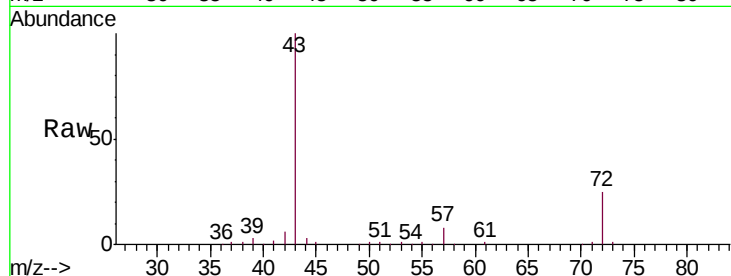
72 25.2 20.2 30.4

Manual Integrations

APPROVED

MMDadoda

7/27/2018 5:29:47 PM



#26

2,2-Dichloropropane

Concen: 20.25 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003661.D

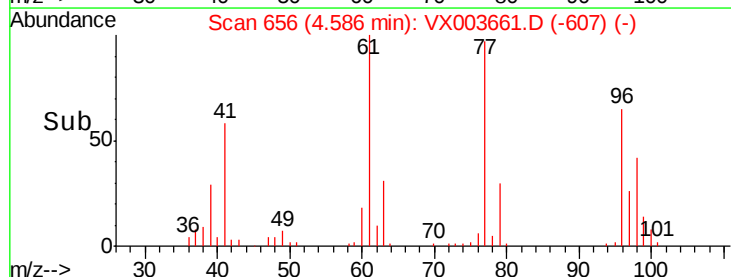
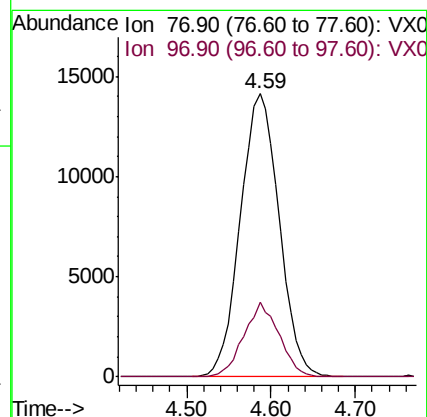
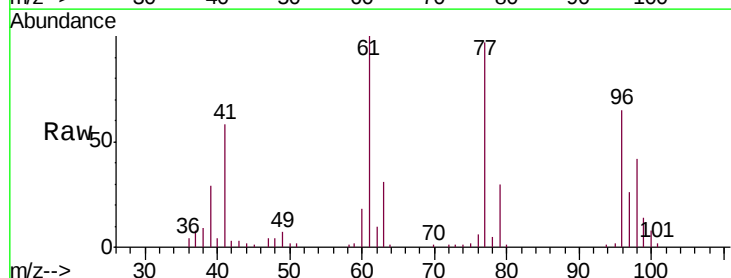
Acq: 25 Jul 2018 16:49

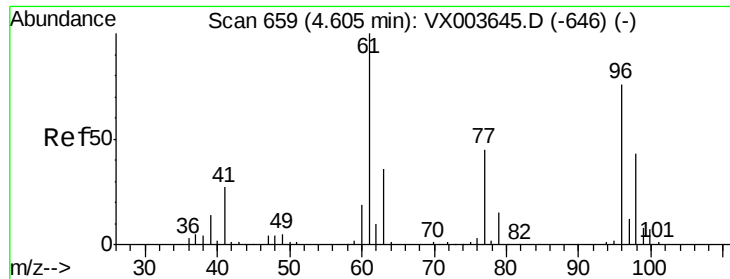
Tgt Ion: 77 Resp: 44166

Ion Ratio Lower Upper

77 100

97 24.0 12.0 36.0





#27

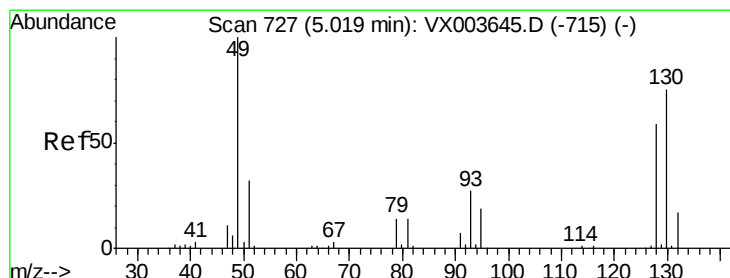
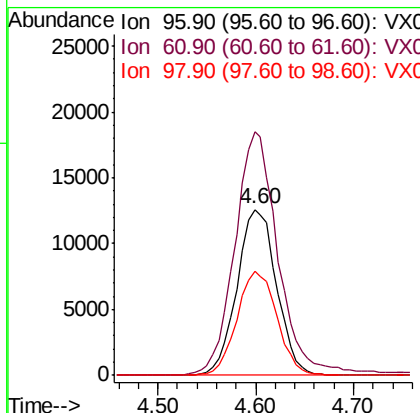
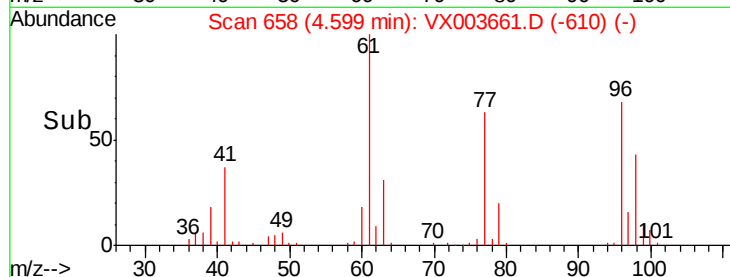
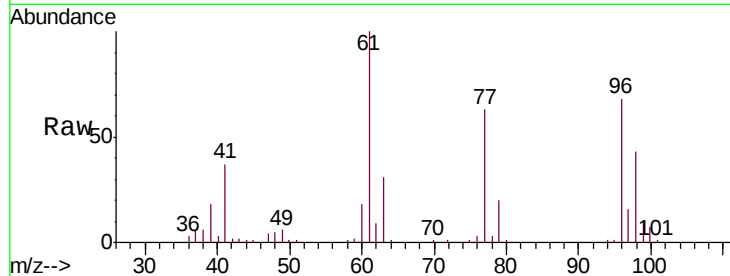
cis-1,2-Dichloroethene
Concen: 18.82 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX003661.D
Acq: 25 Jul 2018 16:49

Instrument :
MSVOA_X
ClientSampleId :
VX0725MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.9	0.0	313.6
98	63.3	0.0	125.6

Manual Integrations
APPROVED

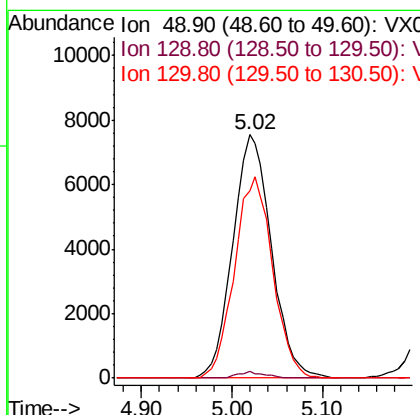
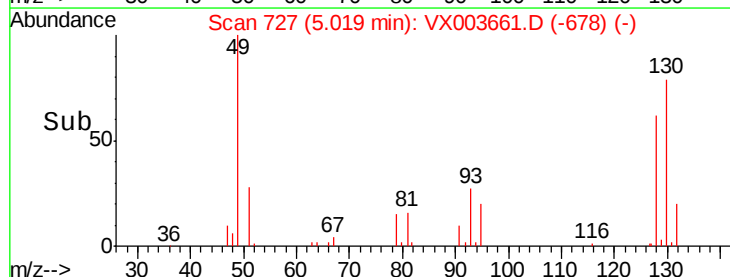
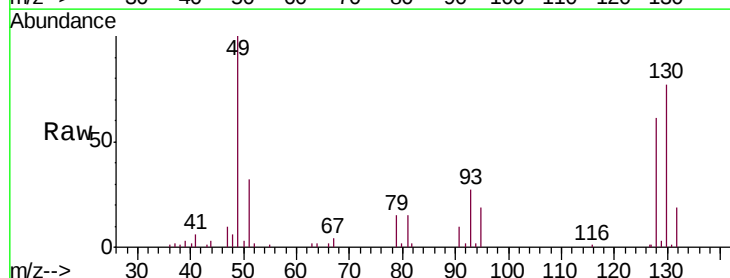
MMDadoda
7/27/2018 5:29:47 PM

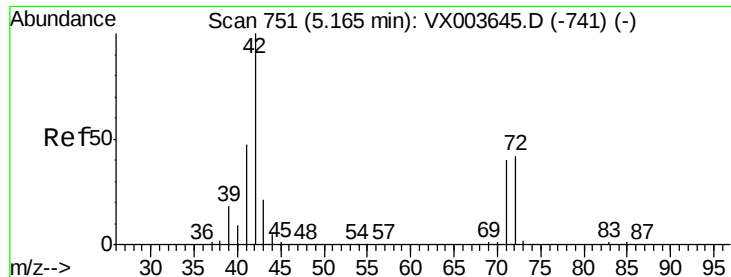


#28

Bromochloromethane
Concen: 16.10 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.00 min
Lab File: VX003661.D
Acq: 25 Jul 2018 16:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.2
130	81.6	61.0	91.6





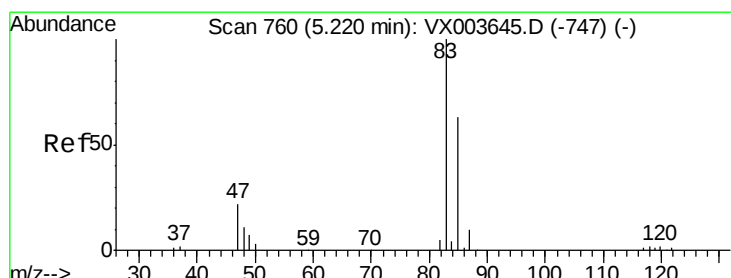
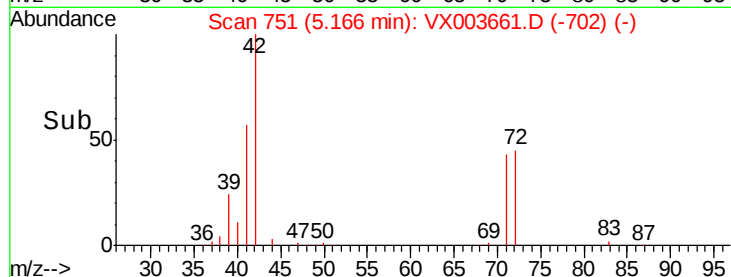
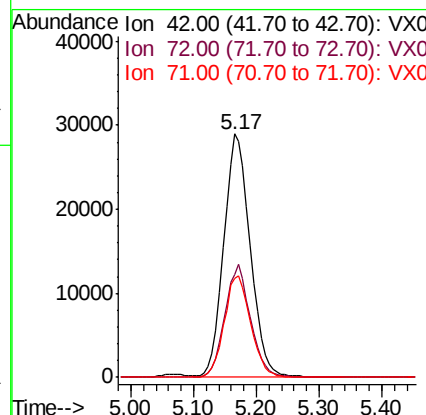
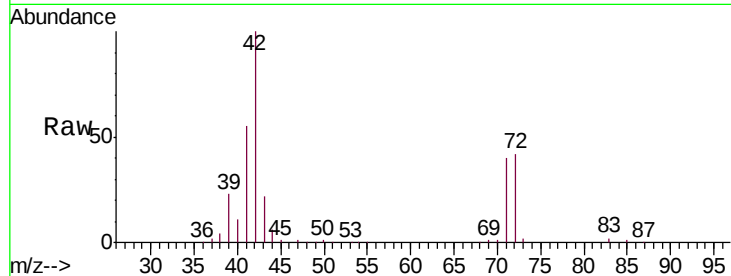
#29
Tetrahydrofuran
Concen: 87.11 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX003661.D
Acq: 25 Jul 2018 16:49

Instrument :
MSVOA_X
ClientSampleId :
VX0725MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	33.4	50.0
71	41.4	31.0	46.6

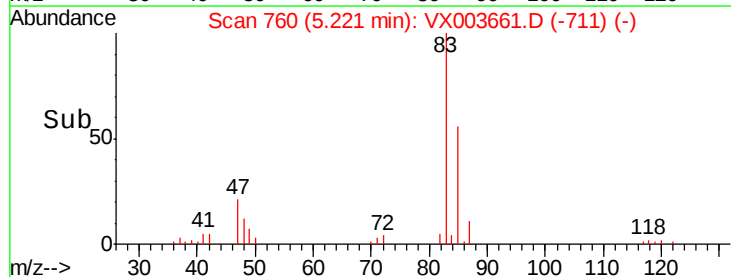
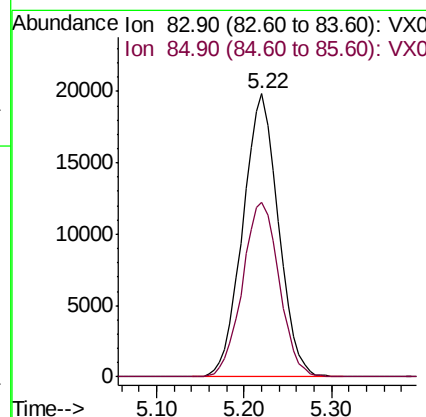
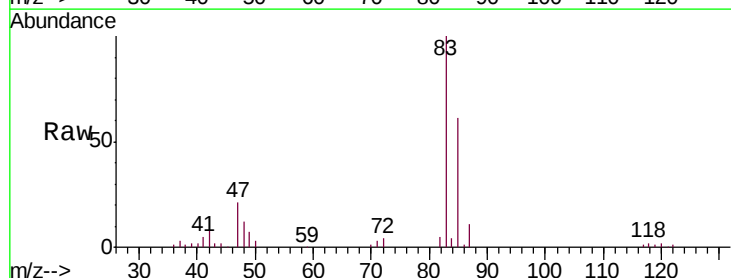
Manual Integrations
APPROVED

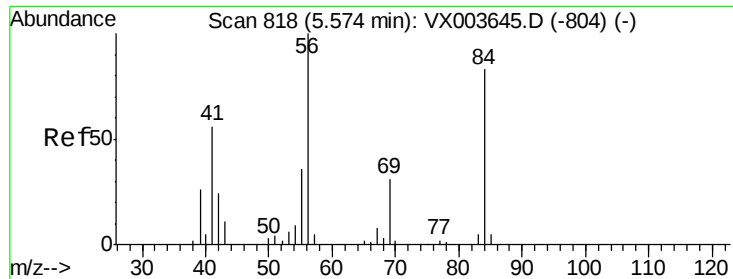
MMDadoda
7/27/2018 5:29:47 PM



#30
Chloroform
Concen: 17.92 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX003661.D
Acq: 25 Jul 2018 16:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.5	50.2	75.4





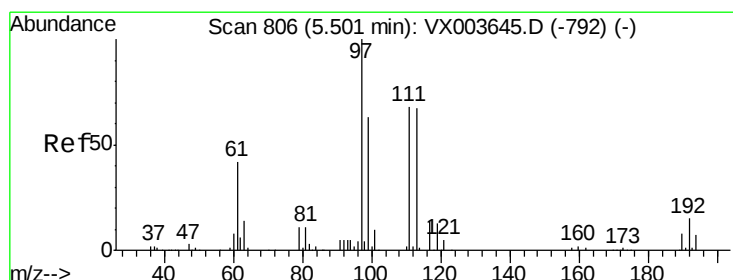
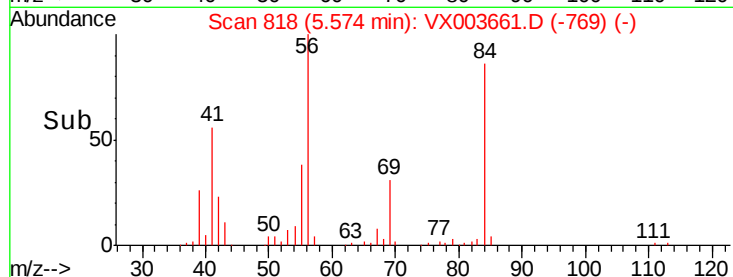
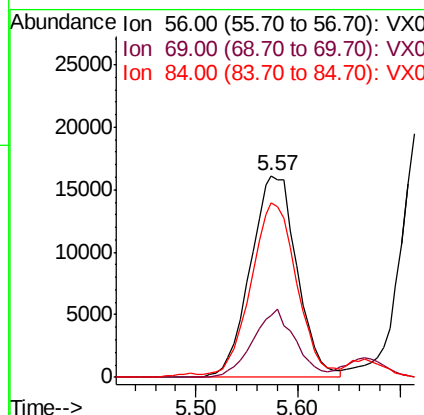
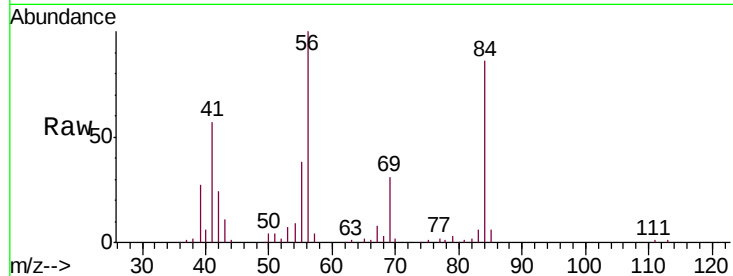
#31
Cyclohexane
Concen: 18.43 ug/l
RT: 5.57 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX003661.D
Acq: 25 Jul 2018 16:49

Instrument :
MSVOA_X
ClientSampleId :
VX0725MBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.6	25.0	37.6
84	84.4	66.5	99.7

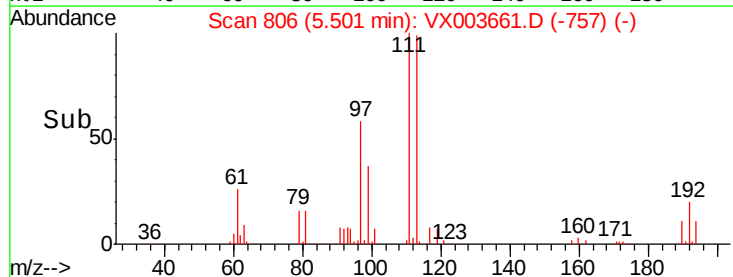
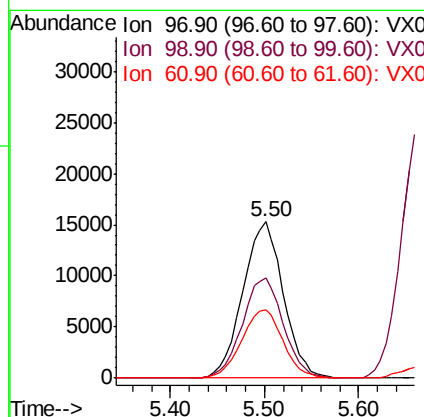
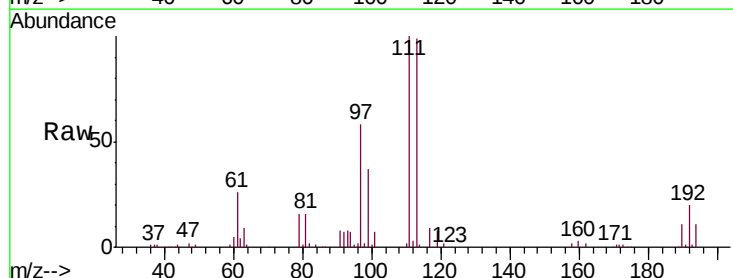
Manual Integrations
APPROVED

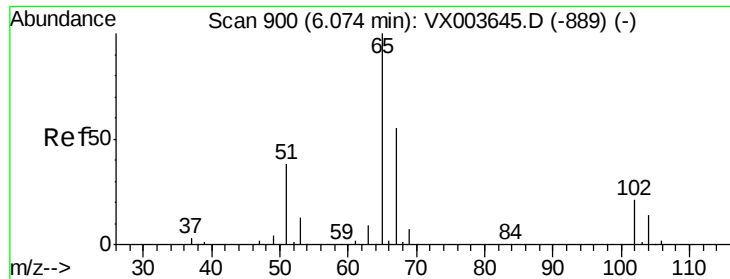
MMDadoda
7/27/2018 5:29:47 PM



#32
1,1,1-Trichloroethane
Concen: 17.59 ug/l
RT: 5.50 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX003661.D
Acq: 25 Jul 2018 16:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	50.4	75.6
61	44.7	34.5	51.7





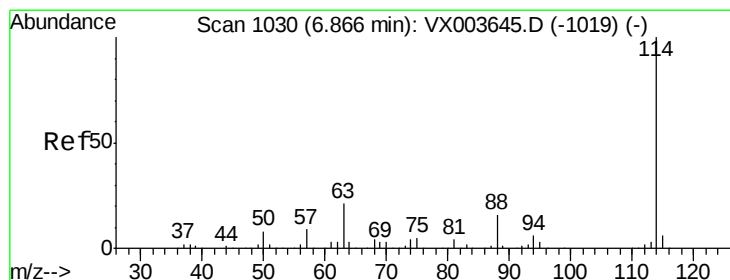
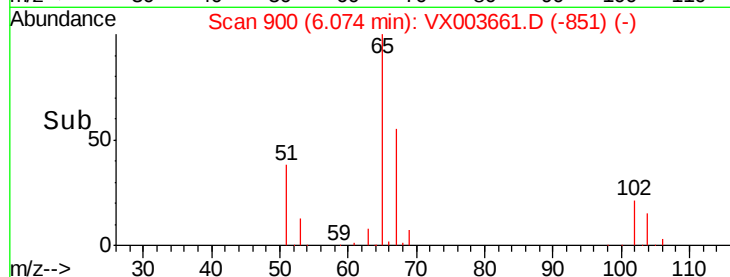
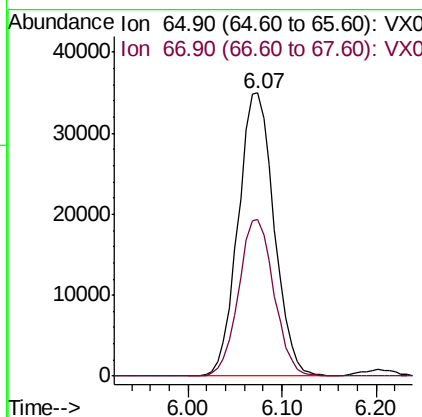
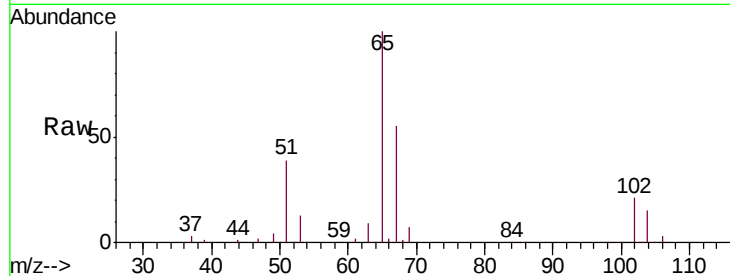
#33
 1,2-Dichloroethane-d4
 Concen: 45.46 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003661.D
 Acq: 25 Jul 2018 16:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0725MBSD01

Tot Ion: 65 Resp: 93614
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 107.8

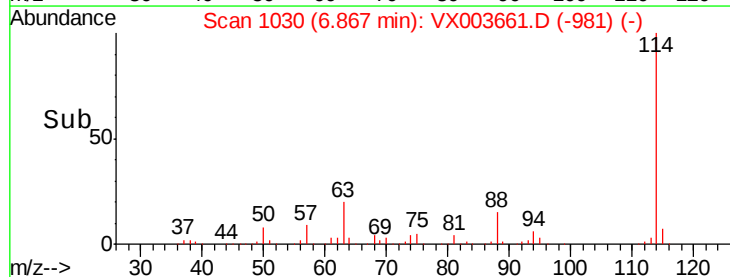
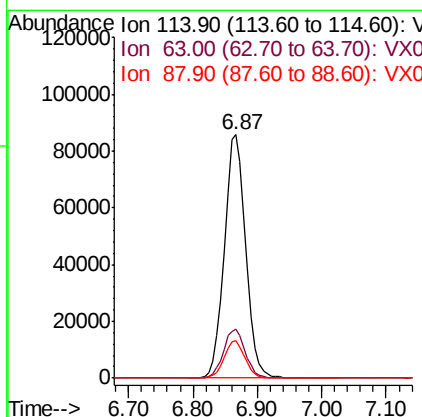
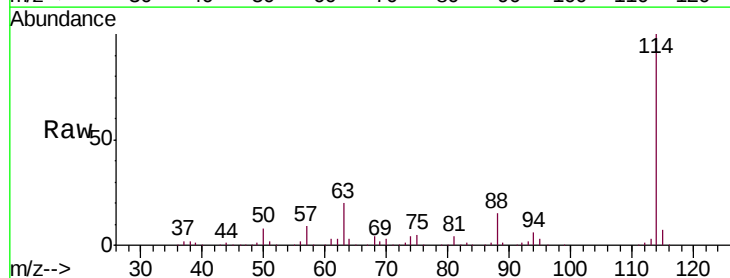
Manual Integrations
 APPROVED

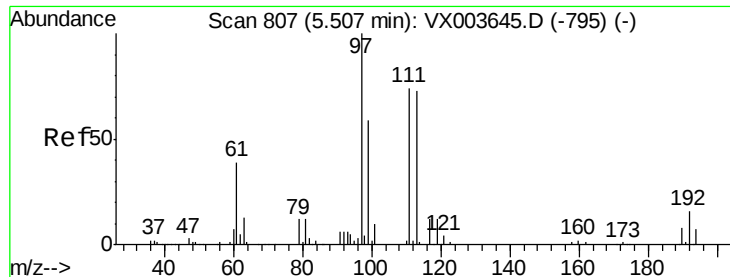
MMDadoda
 7/27/2018 5:29:47 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003661.D
 Acq: 25 Jul 2018 16:49

Tgt Ion: 114 Resp: 200343
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 41.0
 88 15.3 0.0 31.8





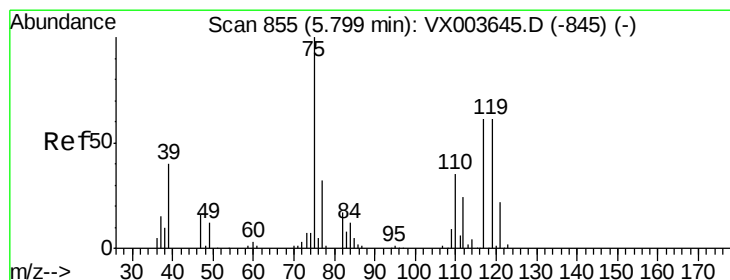
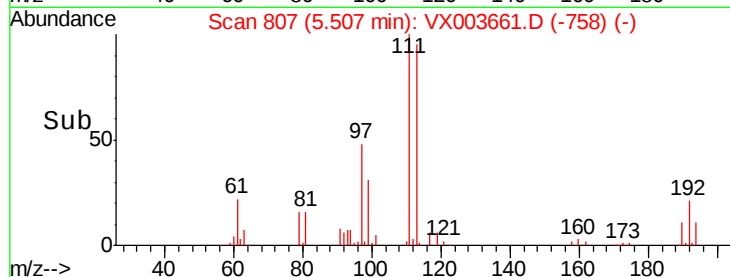
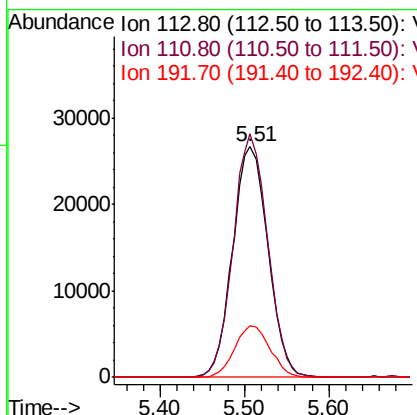
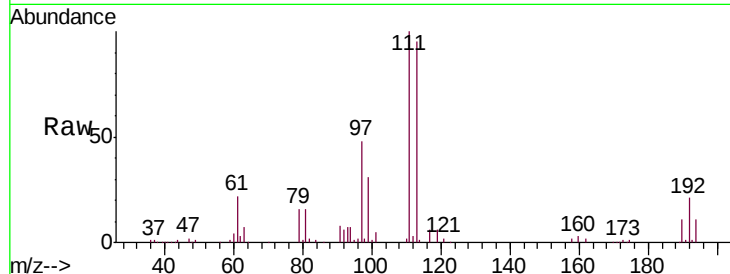
#35
 Dibromofluoromethane
 Concen: 46.33 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003661.D
 Acq: 25 Jul 2018 16:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0725MBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.2	121.8
192	22.3	18.2	27.4

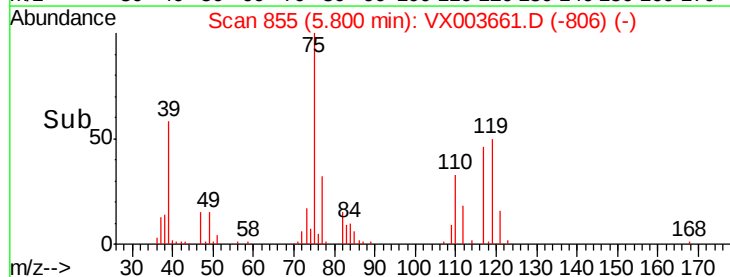
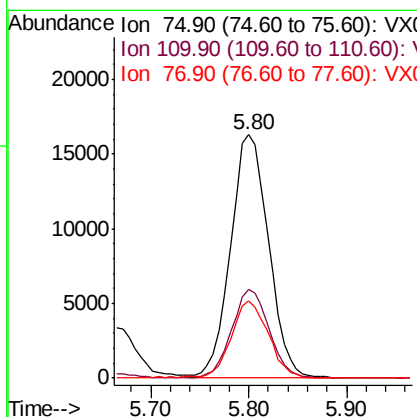
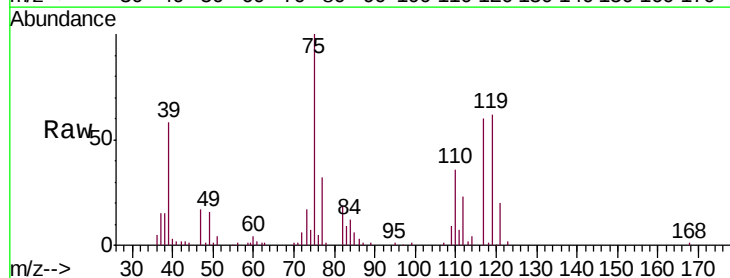
Manual Integrations
 APPROVED

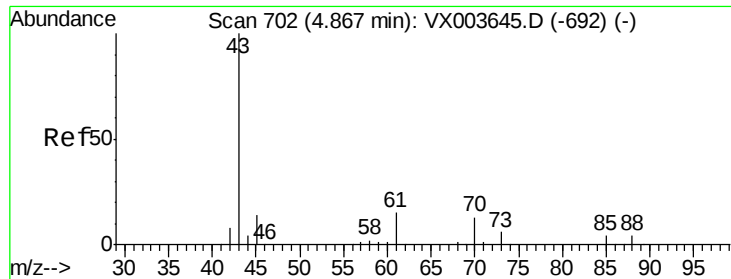
MMDadoda
 7/27/2018 5:29:47 PM



#36
 1,1-Dichloropropene
 Concen: 18.79 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX003661.D
 Acq: 25 Jul 2018 16:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.8	18.1	54.1
77	31.0	25.1	37.7





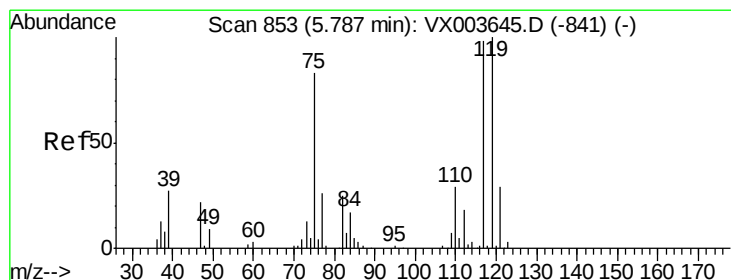
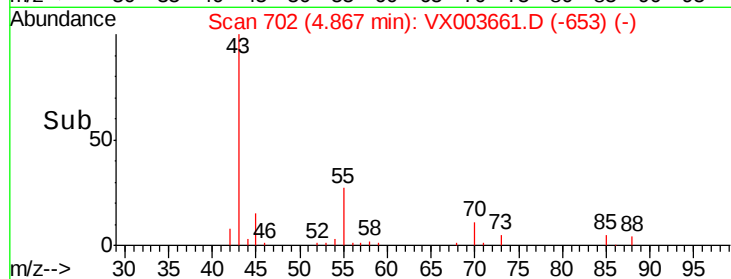
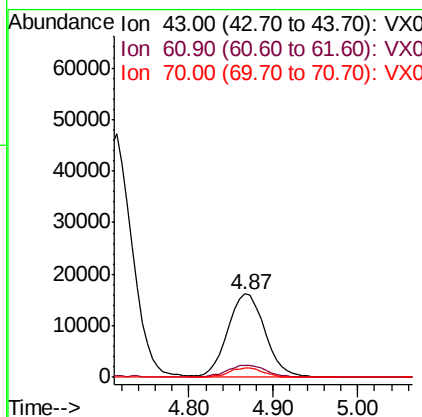
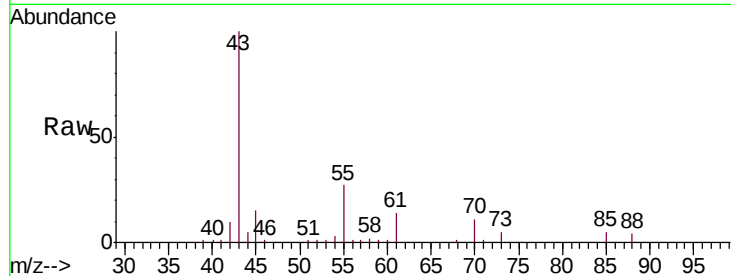
#37
Ethyl Acetate
Concen: 17.21 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX003661.D
Acq: 25 Jul 2018 16:49

Instrument :
MSVOA_X
ClientSampleId :
VX0725MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.9	17.9
70	10.8	8.6	12.8

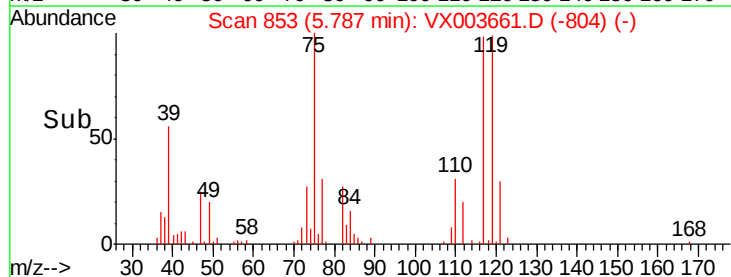
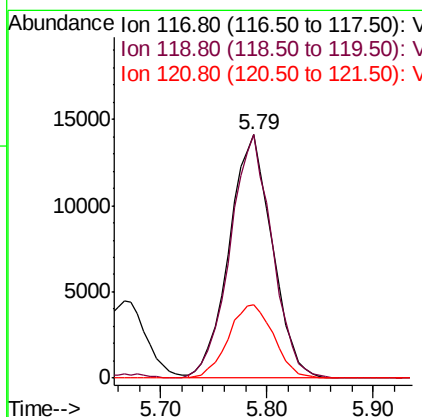
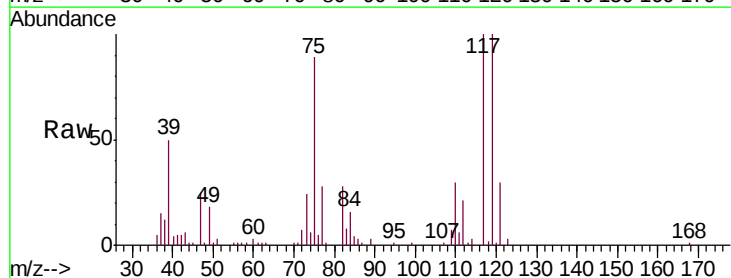
Manual Integrations
APPROVED

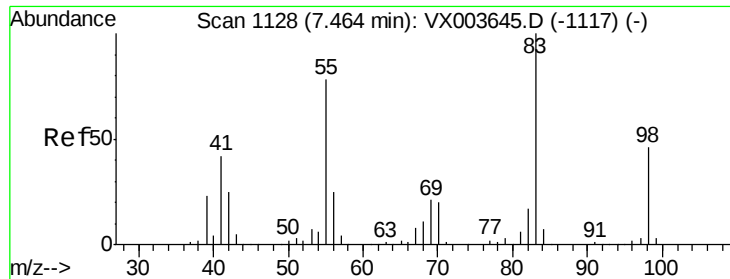
MMDadoda
7/27/2018 5:29:47 PM



#38
Carbon Tetrachloride
Concen: 17.69 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX003661.D
Acq: 25 Jul 2018 16:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.2	81.0	121.4
121	30.5	23.7	35.5





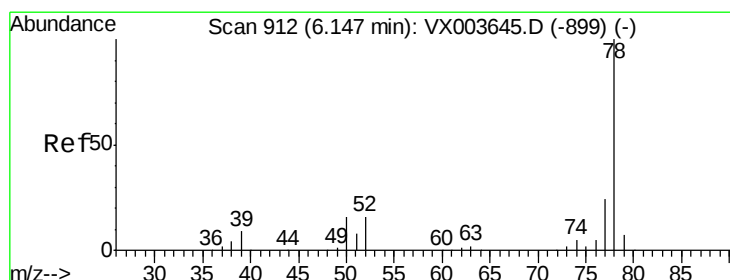
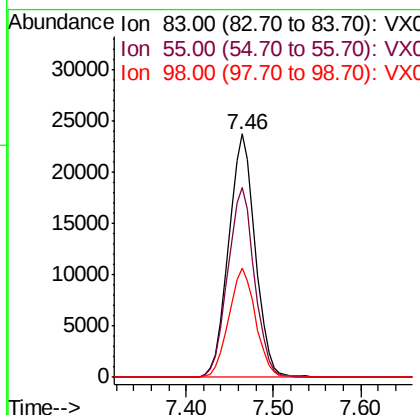
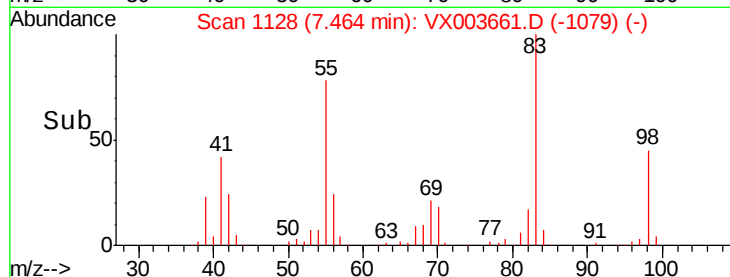
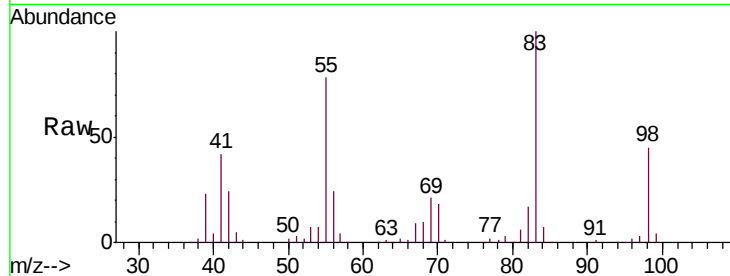
#39
Methylvlcyclohexane
Concen: 19.50 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003661.D
Acq: 25 Jul 2018 16:49

Instrument :
MSVOA_X
ClientSampleId :
VX0725MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.0	62.6	93.8
98	44.7	36.6	55.0

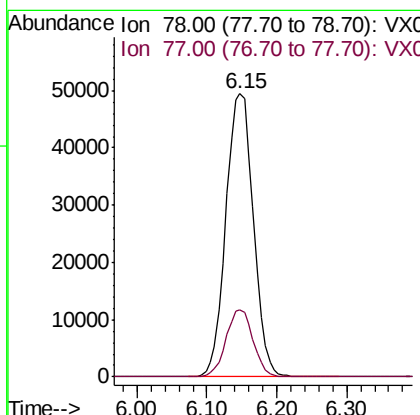
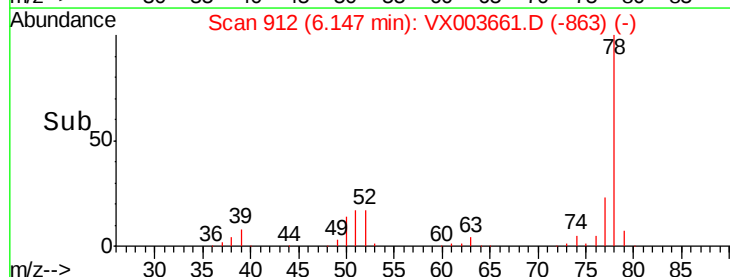
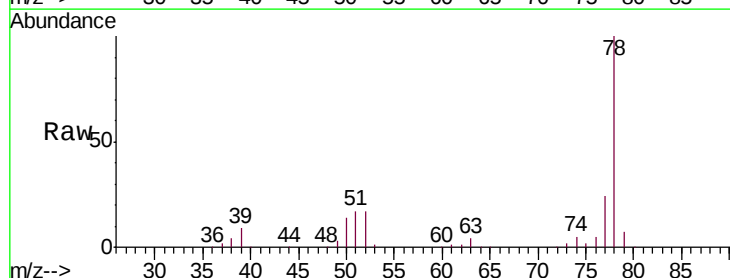
Manual Integrations
APPROVED

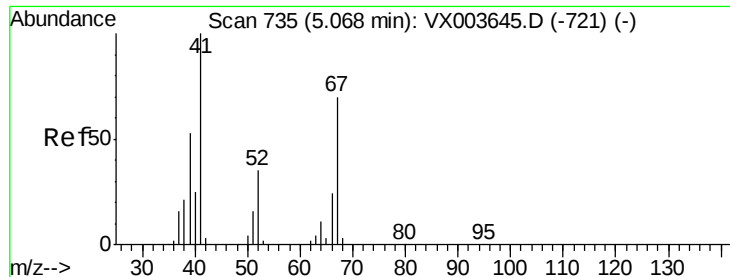
MMDadoda
7/27/2018 5:29:47 PM



#40
Benzene
Concen: 19.51 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003661.D
Acq: 25 Jul 2018 16:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.6





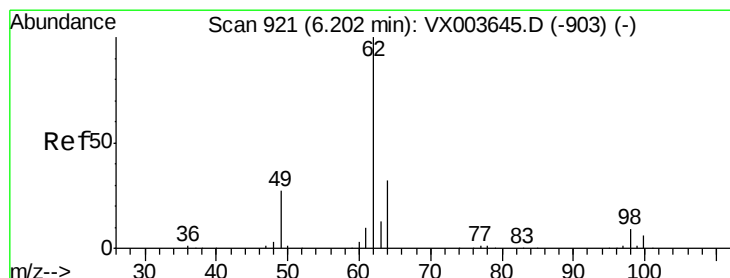
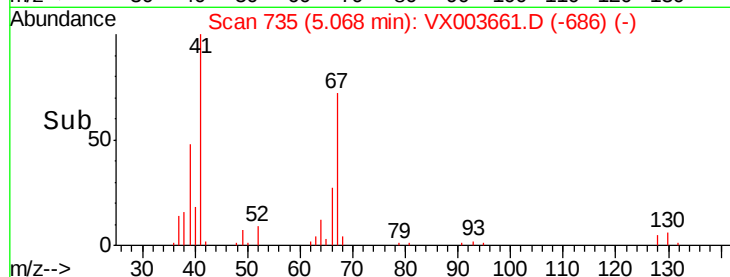
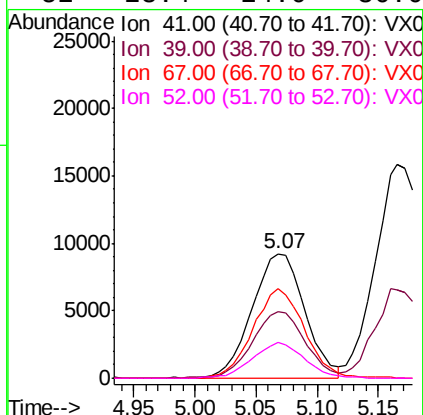
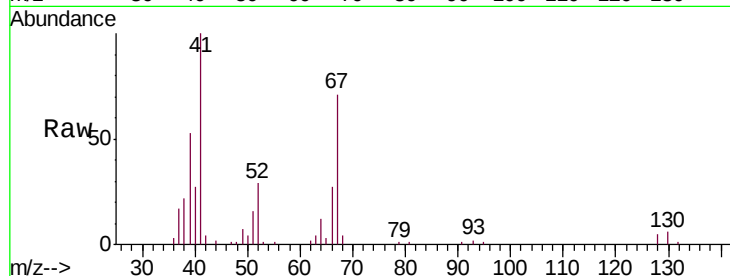
#41
Methacrylonitrile
Concen: 17.77 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003661.D
Acq: 25 Jul 2018 16:49

Instrument :
MSVOA_X
ClientSampleId :
VX0725MBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.7	42.2	63.4
67	70.0	56.6	84.8
52	28.4	24.0	36.0

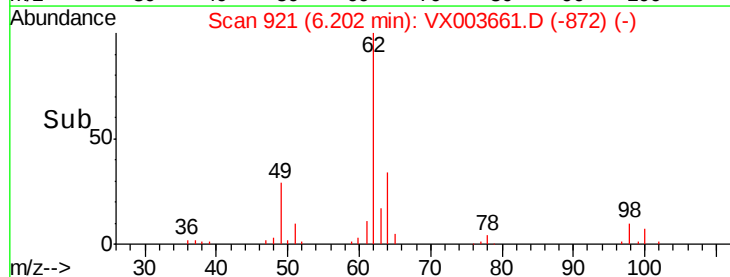
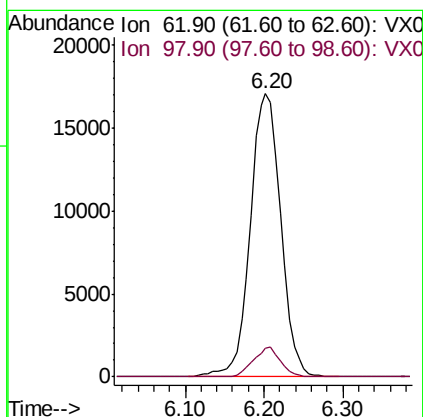
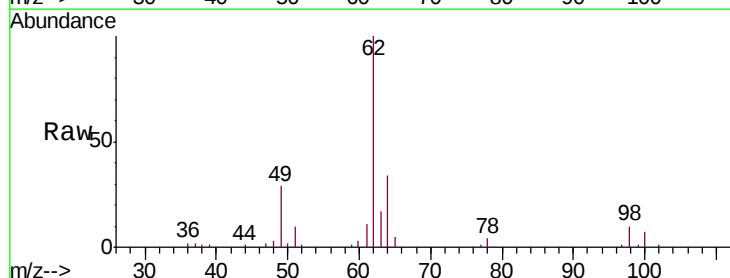
Manual Integrations
APPROVED

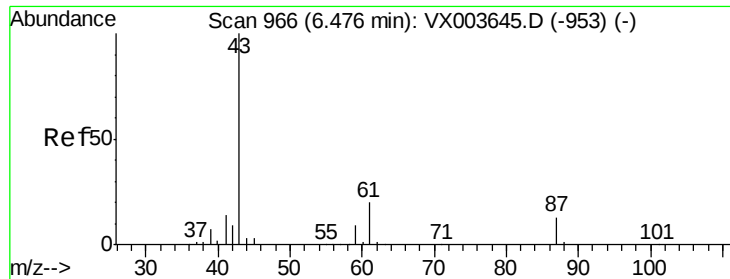
MMDadoda
7/27/2018 5:29:47 PM



#42
1,2-Dichloroethane
Concen: 18.81 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003661.D
Acq: 25 Jul 2018 16:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.4





#43

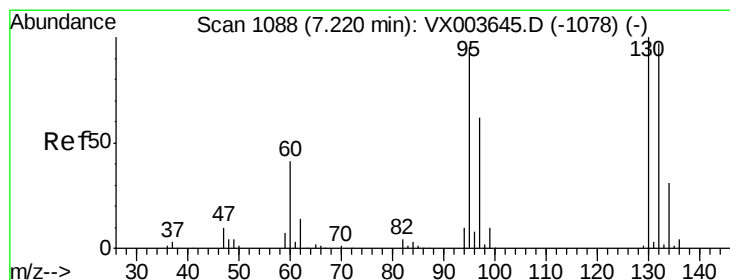
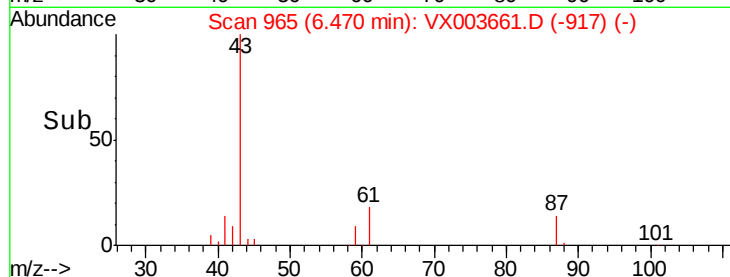
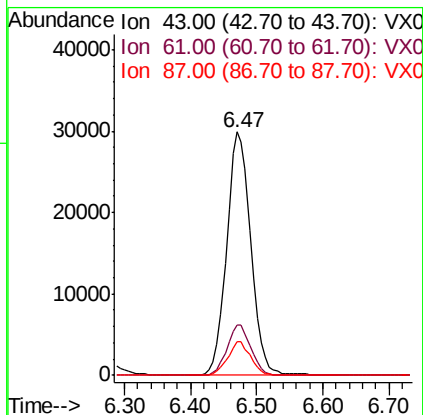
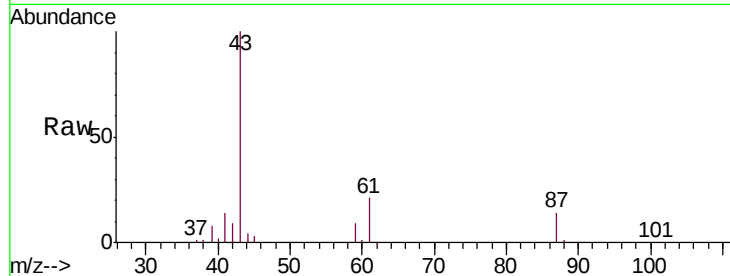
Isopropyl Acetate
 Concen: 18.37 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: VX003661.D
 Acq: 25 Jul 2018 16:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0725MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	15.9	23.9
87	13.0	10.1	15.1

Manual Integrations
 APPROVED

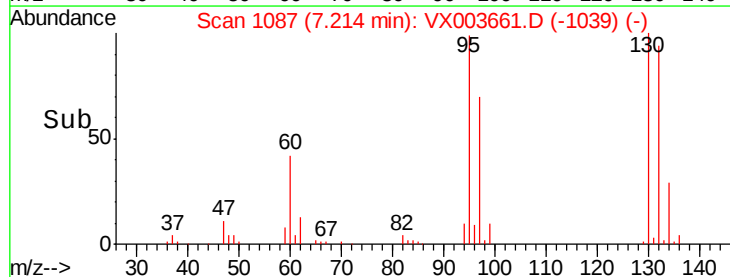
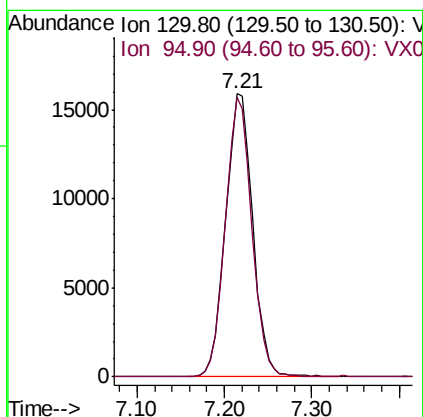
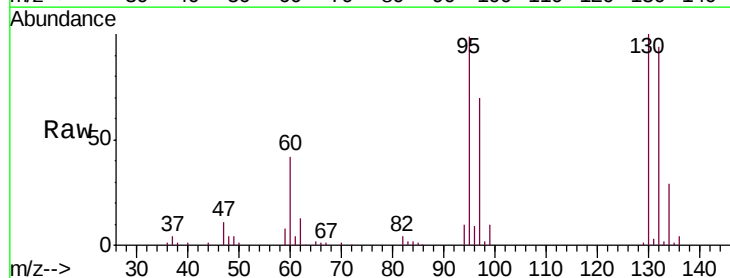
MMDadoda
 7/27/2018 5:29:47 PM

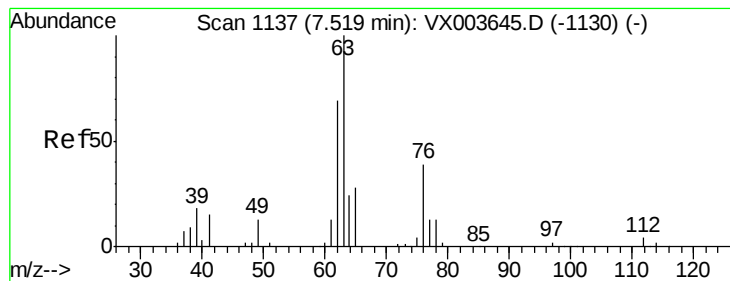


#44

Trichloroethene
 Concen: 18.43 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX003661.D
 Acq: 25 Jul 2018 16:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.7	0.0	190.0





#45

1,2-Dichloropropane

Concen: 18.26 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX003661.D

Acq: 25 Jul 2018 16:49

Instrument :

MSVOA_X

ClientSampled :

VX0725MBSD01

Tot Ion: 63 Resp: 32718

Ion Ratio Lower Upper

63 100

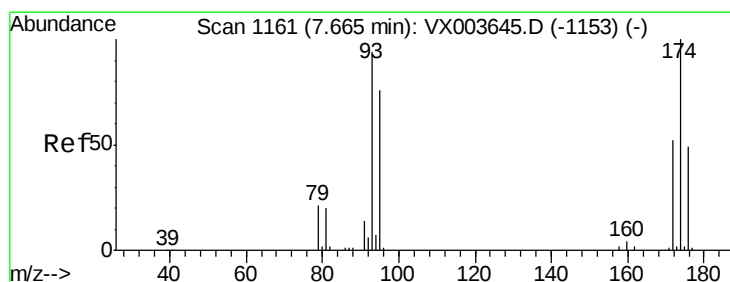
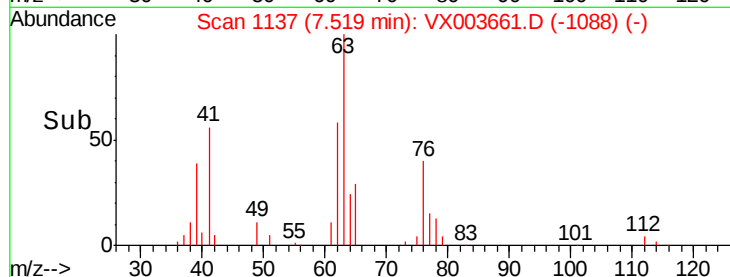
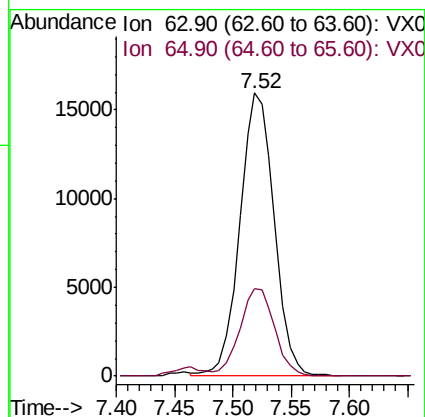
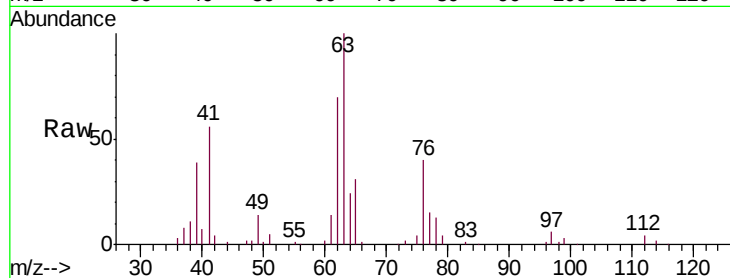
65 30.7 24.0 36.0

Manual Integrations

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#46

Dibromomethane

Concen: 17.85 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003661.D

Acq: 25 Jul 2018 16:49

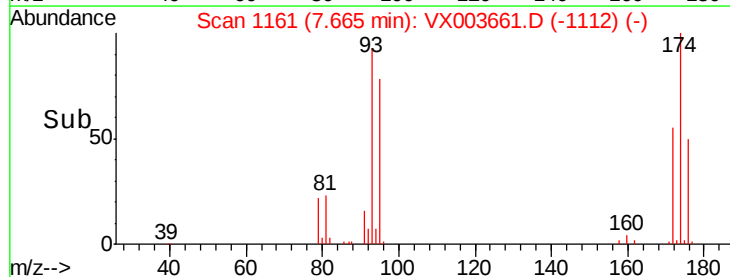
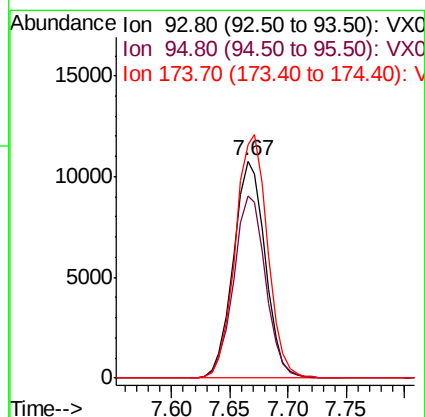
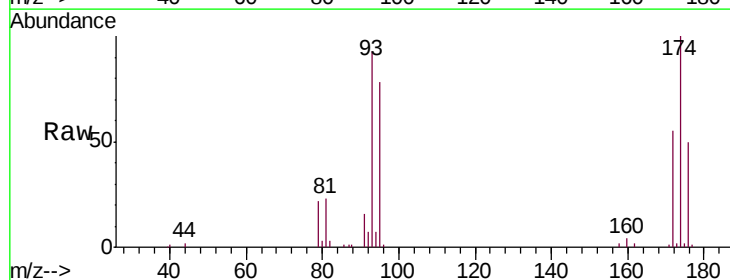
Tgt Ion: 93 Resp: 20545

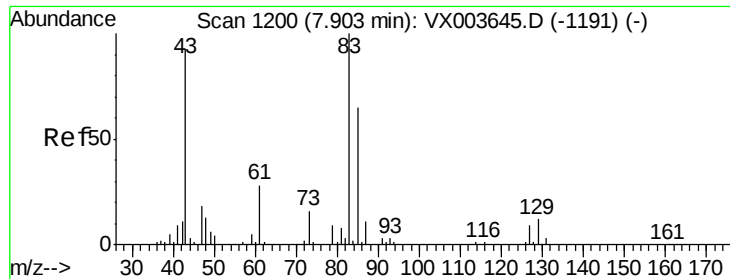
Ion Ratio Lower Upper

93 100

95 84.0 67.0 100.6

174 113.6 89.6 134.4





#47

Bromodichloromethane

Concen: 17.29 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003661.D

Acq: 25 Jul 2018 16:49

Instrument :

MSVOA_X

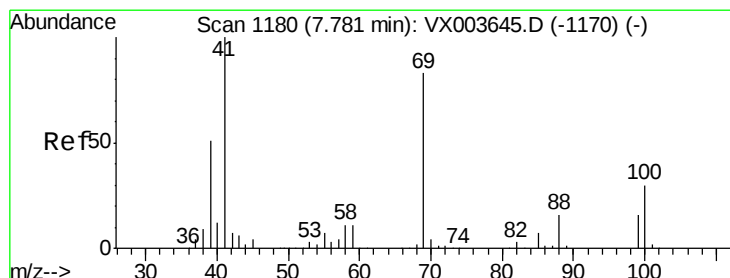
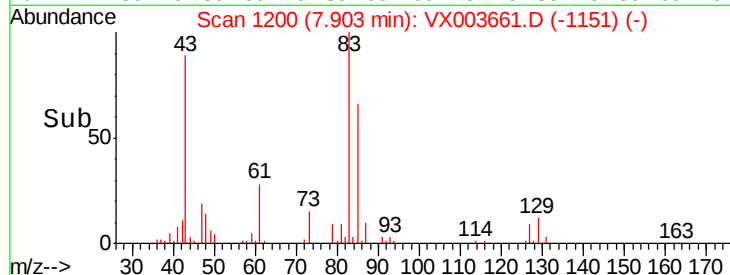
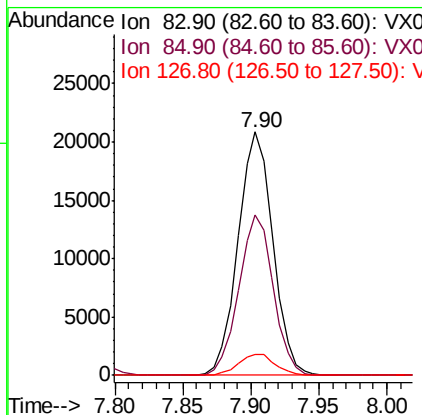
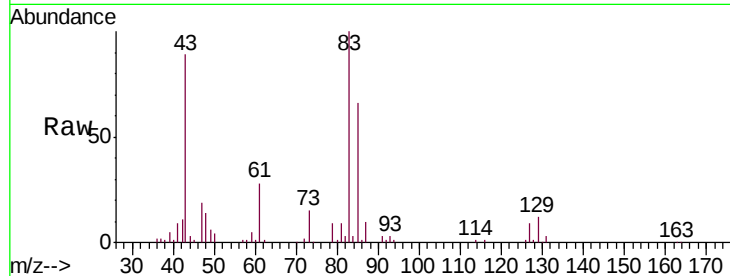
ClientSampleId :

VX0725MBS01

Tot Ion:	83	Resp:	37314
Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.8	77.6
127	8.7	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.26 ug/l

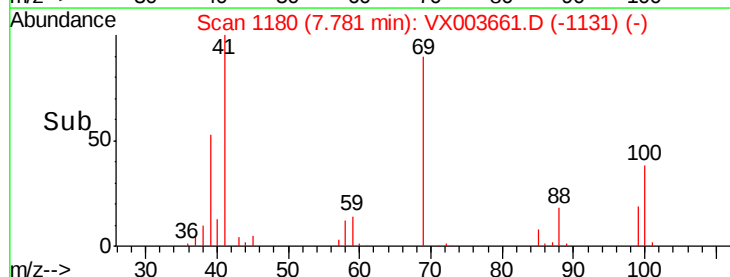
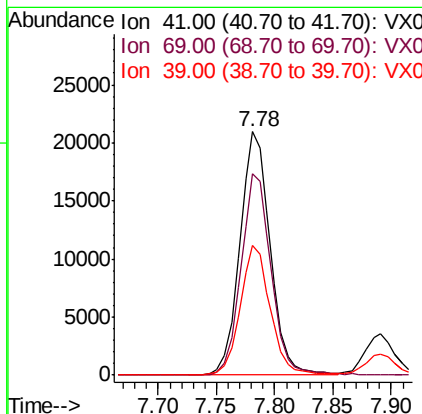
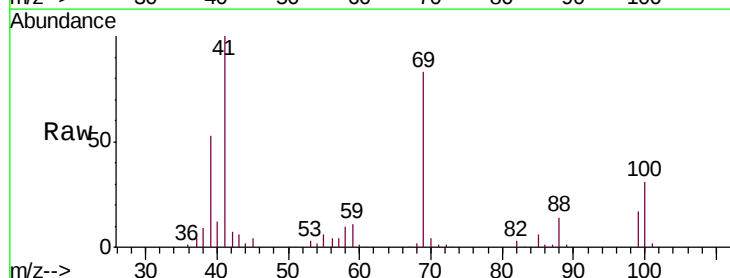
RT: 7.78 min Scan# 1180

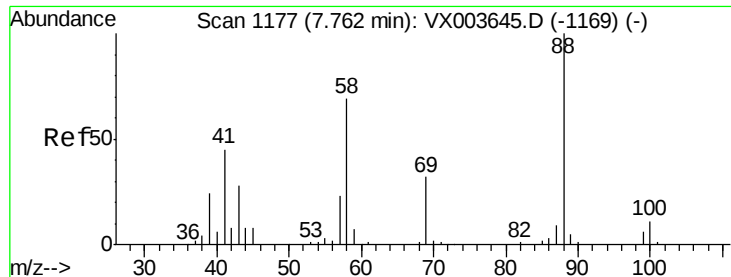
Delta R.T. 0.00 min

Lab File: VX003661.D

Acq: 25 Jul 2018 16:49

Tgt Ion:	41	Resp:	38073
Ion	Ratio	Lower	Upper
41	100		
69	81.9	66.9	100.3
39	52.9	41.2	61.8





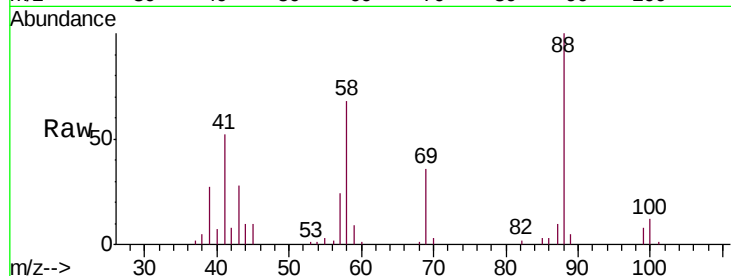
#49
1,4-Dioxane
Concen: 372.16 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX003661.D
Acq: 25 Jul 2018 16:49

Instrument :
MSVOA_X
ClientSampleId :
VX0725MBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.1	25.8	38.6
58	71.8	58.3	87.5

Manual Integrations
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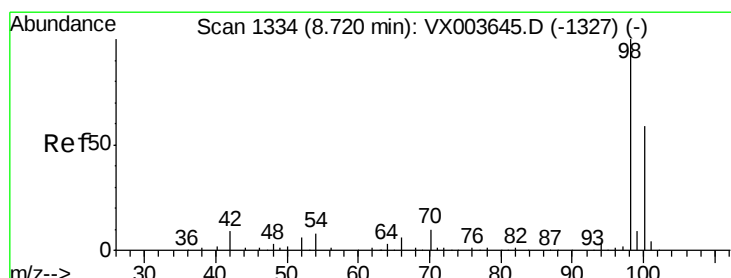
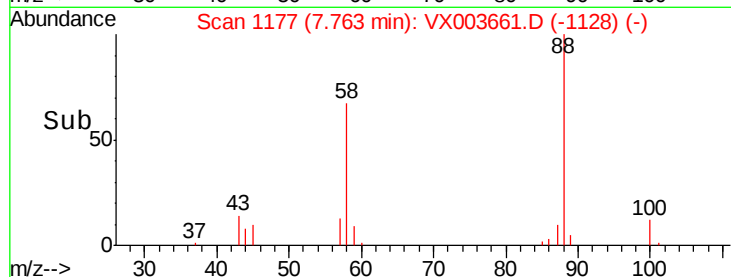
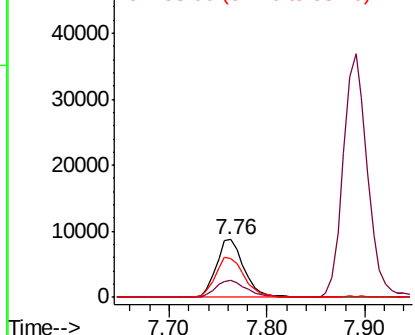


Abundance

Ion 88.00 (87.70 to 88.70): VX0

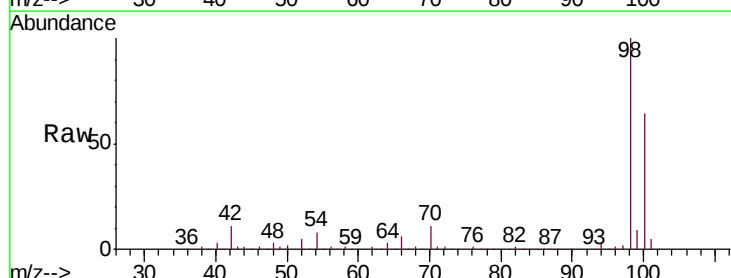
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 47.24 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003661.D
Acq: 25 Jul 2018 16:49

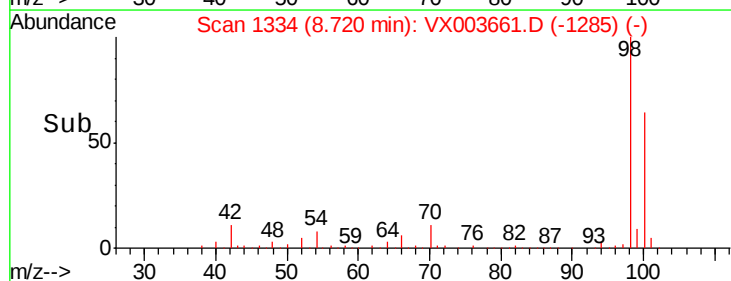
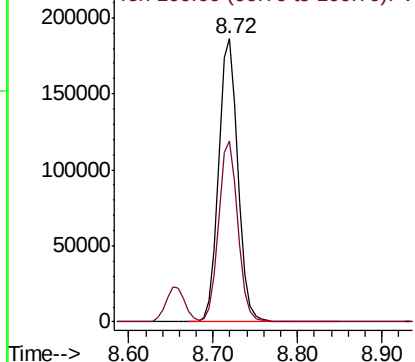
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	50.9	76.3

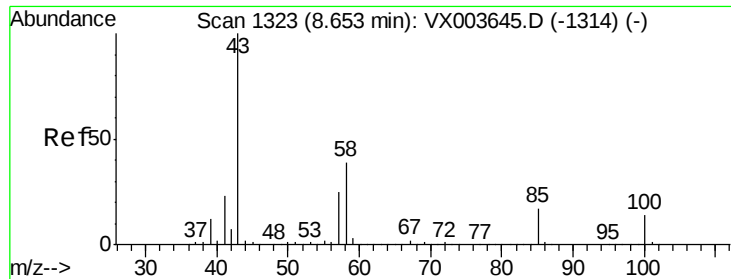


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 89.78 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003661.D

Acq: 25 Jul 2018 16:49

Instrument :

MSVOA_X

ClientSampleId :

VX0725MBSD01

Tot Ion: 43 Resp: 248847

Ion Ratio Lower Upper

43 100

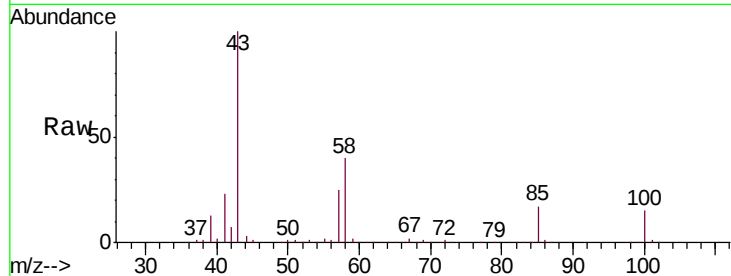
58 39.2 31.5 47.3

Manual Integrations

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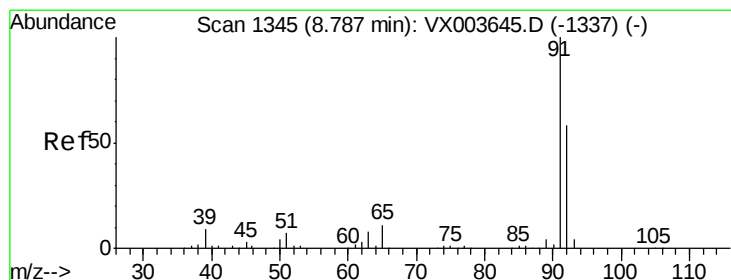
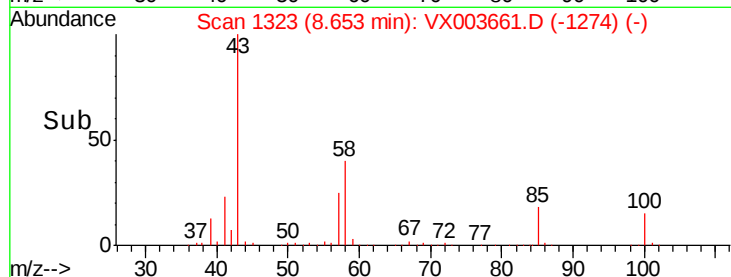
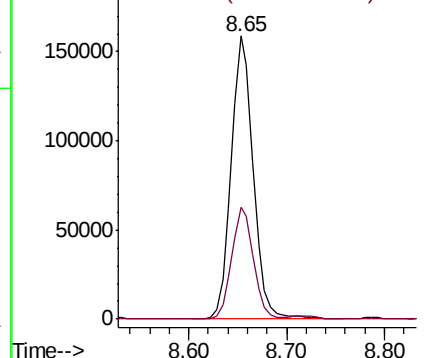
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 18.59 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003661.D

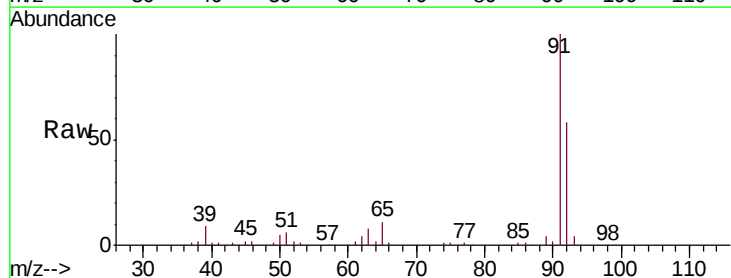
Acq: 25 Jul 2018 16:49

Tgt Ion: 92 Resp: 80069

Ion Ratio Lower Upper

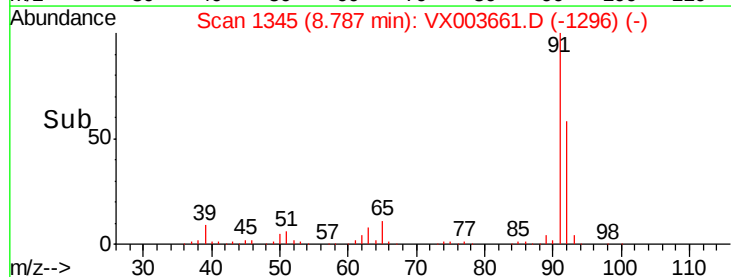
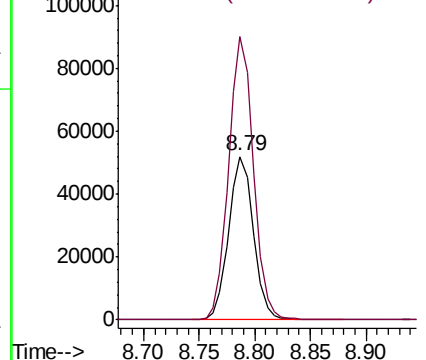
92 100

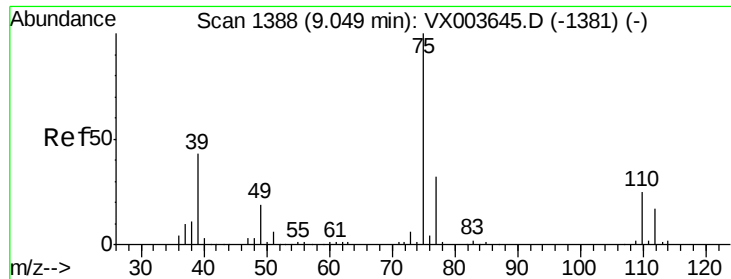
91 173.8 139.0 208.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





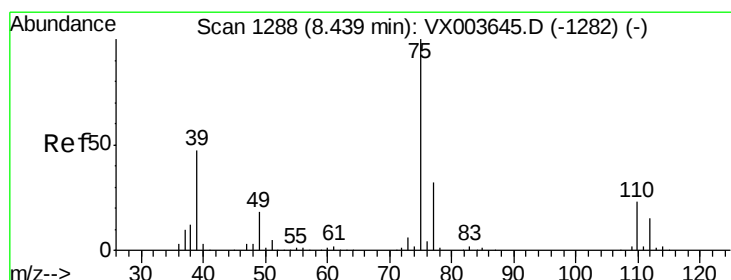
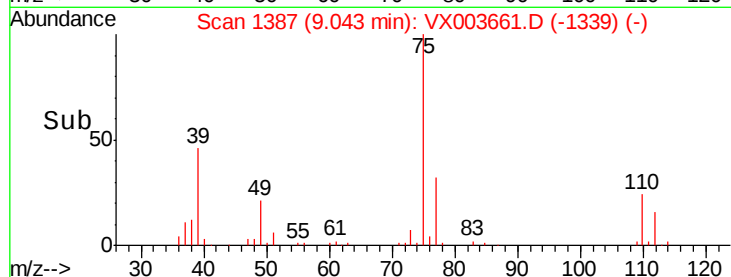
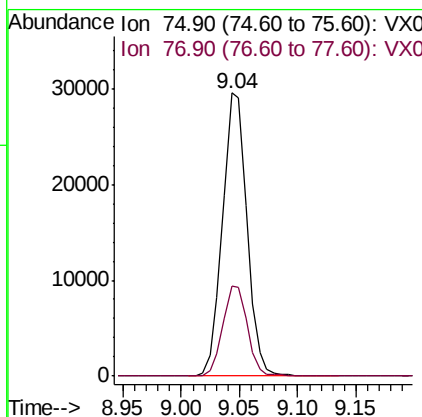
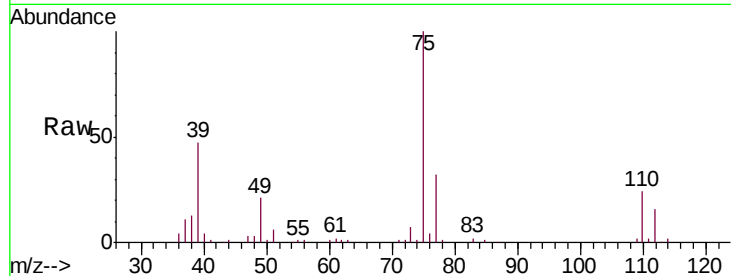
#53
 t-1,3-Dichloropropene
 Concen: 18.03 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: VX003661.D
 Acq: 25 Jul 2018 16:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0725MBSD01

Tot Ion: 75 Resp: 43078
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.8 38.6

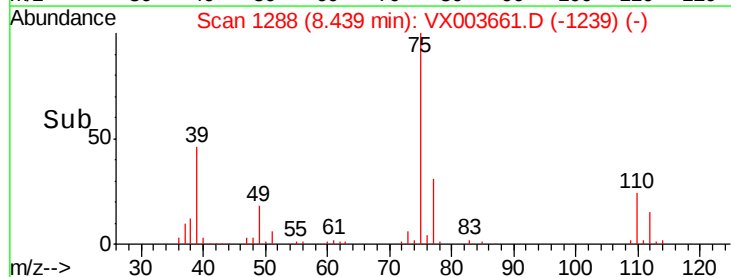
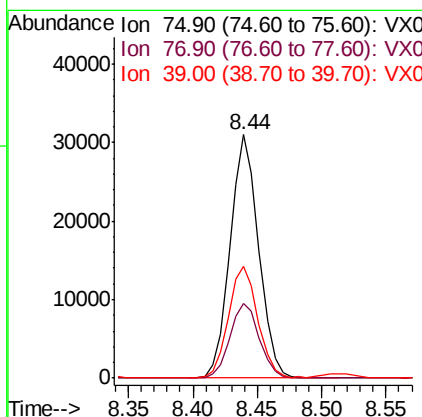
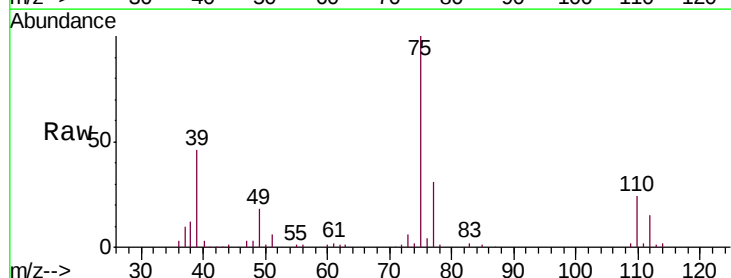
Manual Integrations
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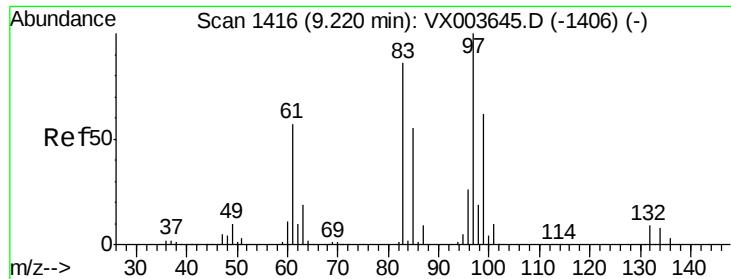
MMDadoda
 7/27/2018 5:29:47 PM



#54
 cis-1,3-Dichloropropene
 Concen: 18.25 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VX003661.D
 Acq: 25 Jul 2018 16:49

Tgt Ion: 75 Resp: 47985
 Ion Ratio Lower Upper
 75 100
 77 30.5 25.2 37.8
 39 46.1 38.0 57.0





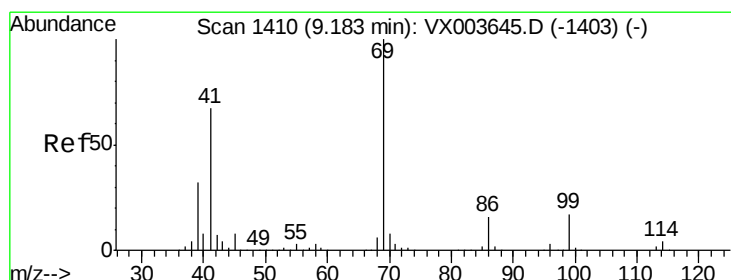
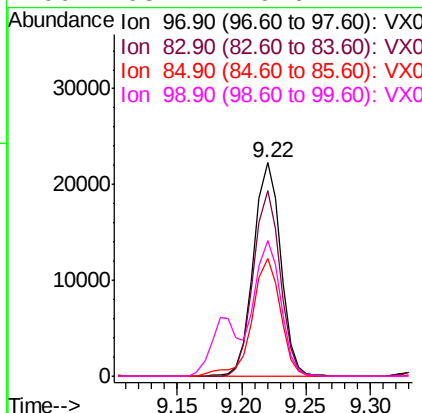
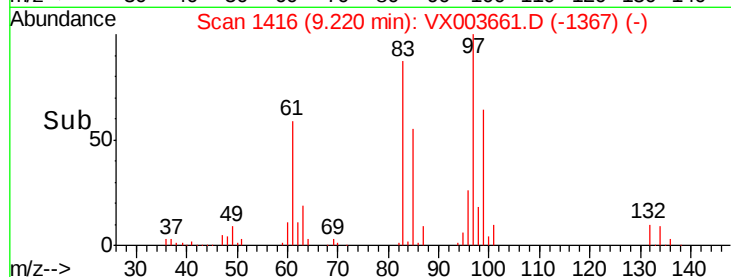
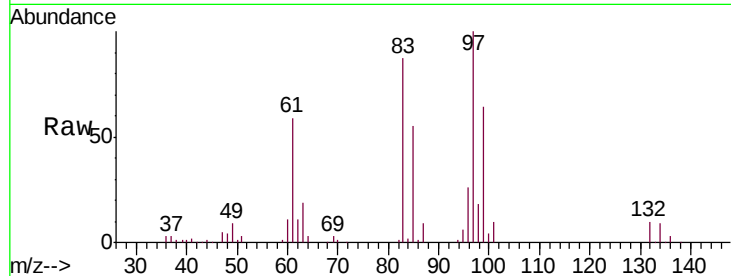
#55
 1,1,2-Trichloroethane
 Concen: 18.44 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003661.D
 Acq: 25 Jul 2018 16:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0725MBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.2	68.7	103.1
85	55.4	43.7	65.5
99	63.7	49.6	74.4

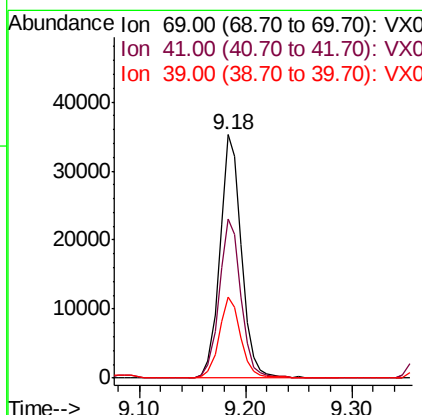
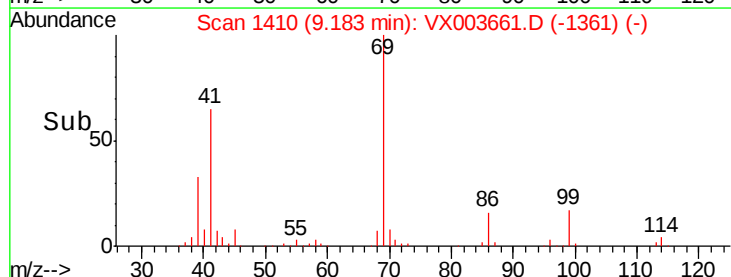
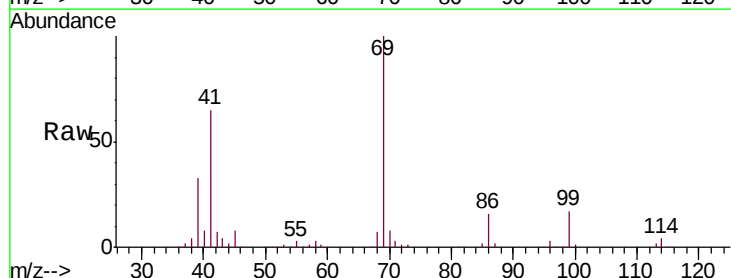
Manual Integrations
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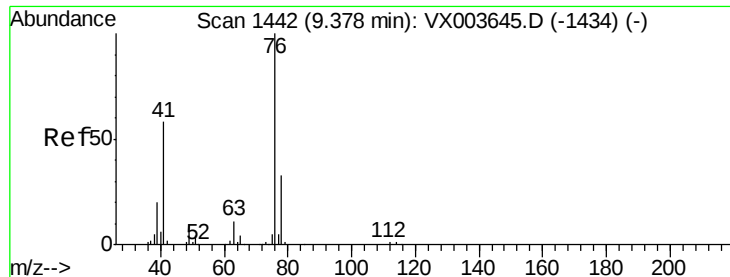
MMDadoda
 7/27/2018 5:29:47 PM



#56
 Ethyl methacrylate
 Concen: 18.90 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003661.D
 Acq: 25 Jul 2018 16:49

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.5	53.8	80.6
39	34.0	25.8	38.8





#57

1,3-Dichloropropane

Concen: 18.14 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VX003661.D

Acq: 25 Jul 2018 16:49

Instrument :

MSVOA_X

ClientSampleId :

VX0725MBSD01

Tot Ion: 76 Resp: 53622

Ion Ratio Lower Upper

76 100

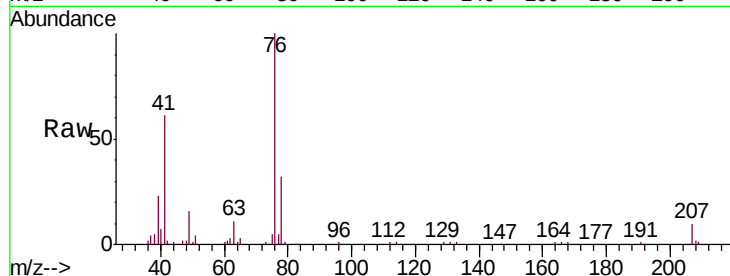
78 32.4 25.6 38.4

Manual Integrations

APPROVED

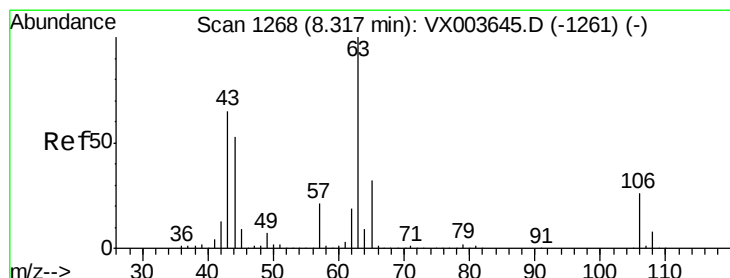
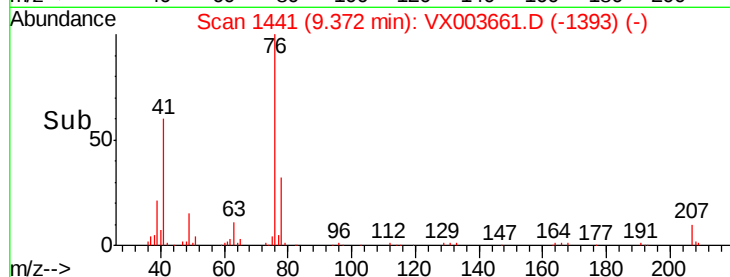
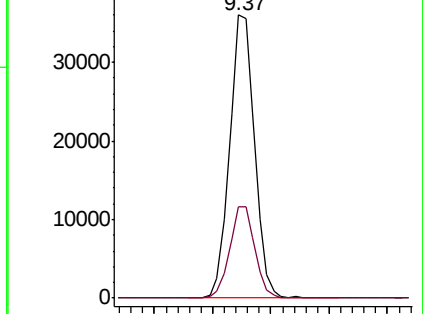
MMDadoda

7/27/2018 5:29:47 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 95.32 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003661.D

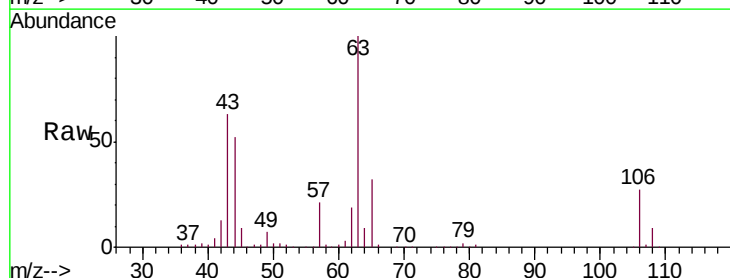
Acq: 25 Jul 2018 16:49

Tgt Ion: 63 Resp: 125507

Ion Ratio Lower Upper

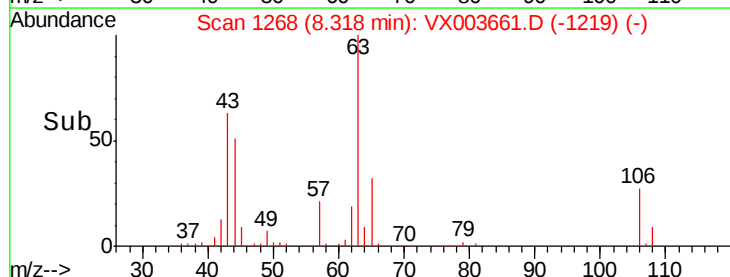
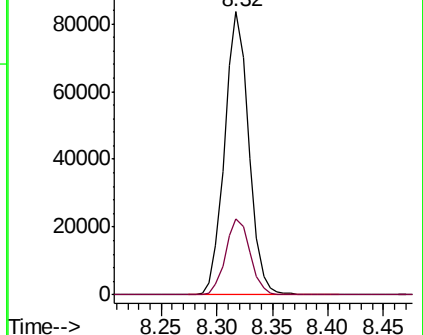
63 100

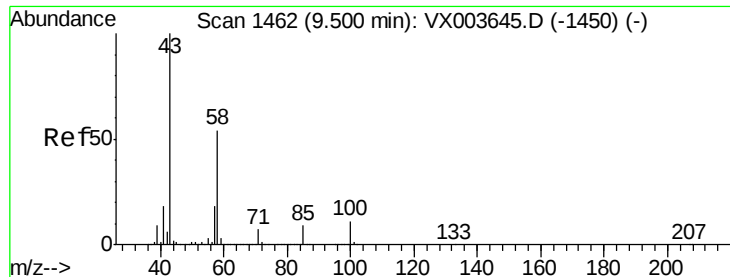
106 27.4 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





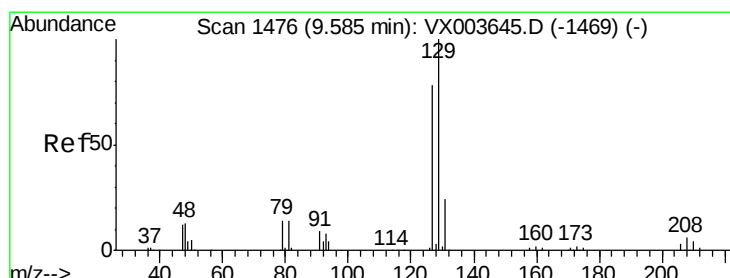
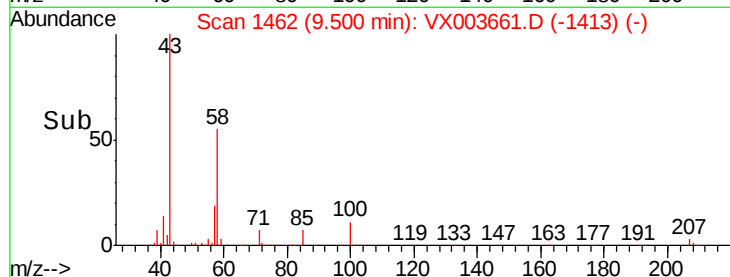
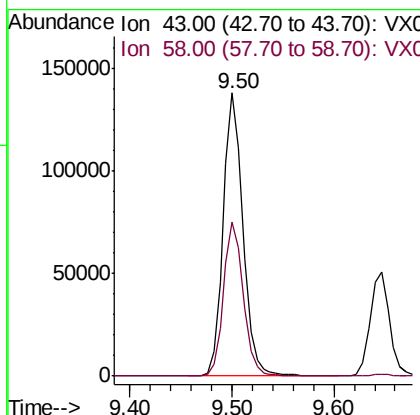
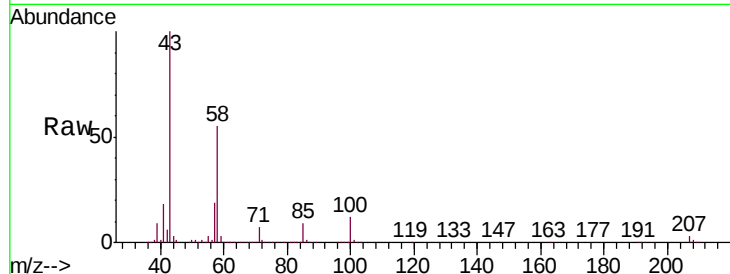
#59
2-Hexanone
Concen: 87.89 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003661.D
Acq: 25 Jul 2018 16:49

Instrument :
MSVOA_X
ClientSampleId :
VX0725MBS01

Tot Ion: 43 Resp: 186866
Ion Ratio Lower Upper
43 100
58 54.7 27.3 81.9

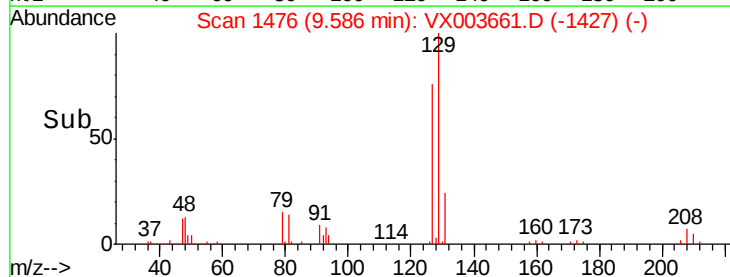
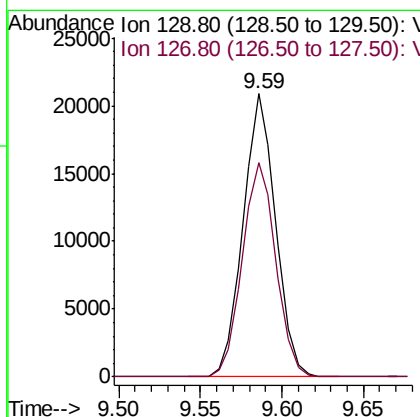
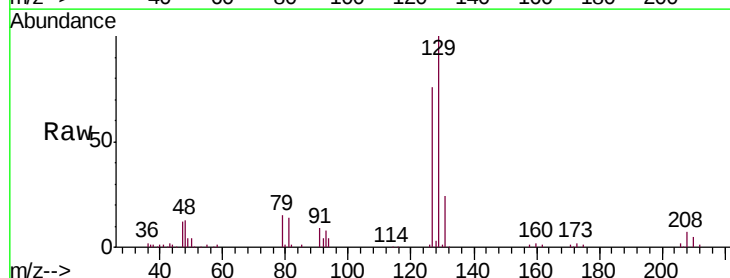
Manual Integrations
APPROVED

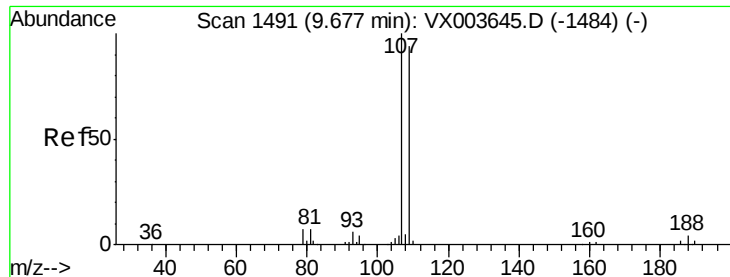
MMDadoda
7/27/2018 5:29:47 PM



#60
Dibromochloromethane
Concen: 17.37 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003661.D
Acq: 25 Jul 2018 16:49

Tgt Ion: 129 Resp: 29002
Ion Ratio Lower Upper
129 100
127 77.9 38.7 116.1





#61

1,2-Dibromoethane

Concen: 18.08 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003661.D

Acq: 25 Jul 2018 16:49

Instrument :

MSVOA_X

ClientSampleId :

VX0725MBS01

Tot Ion:107 Resp: 33143

Ion Ratio Lower Upper

107 100

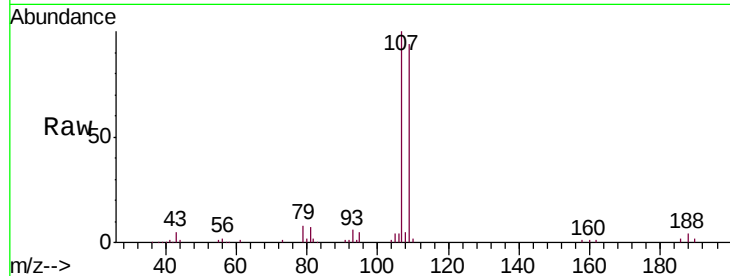
109 93.5 75.4 113.2

Manual Integrations

APPROVED

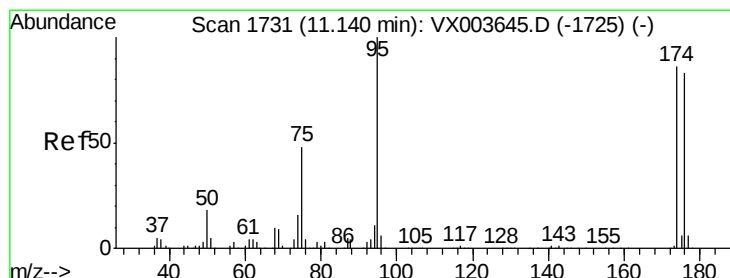
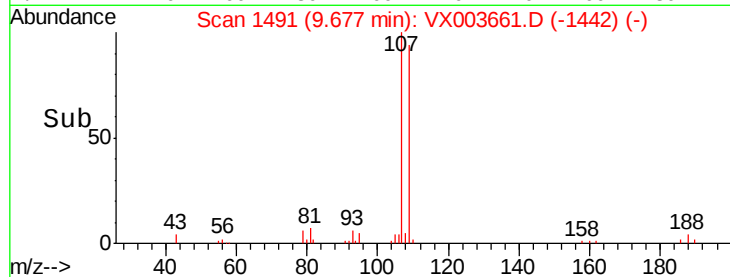
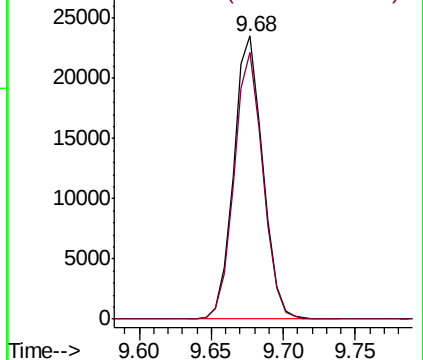
MMDadoda

7/27/2018 5:29:47 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.59 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003661.D

Acq: 25 Jul 2018 16:49

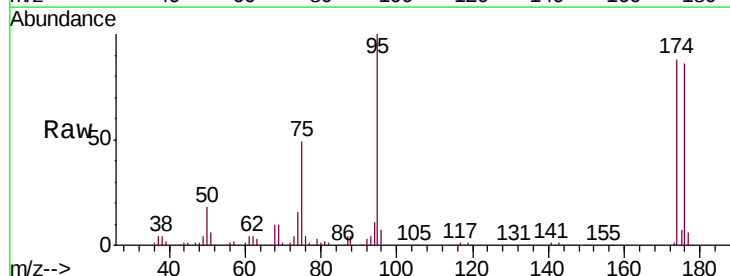
Tgt Ion: 95 Resp: 103938

Ion Ratio Lower Upper

95 100

174 88.5 0.0 179.0

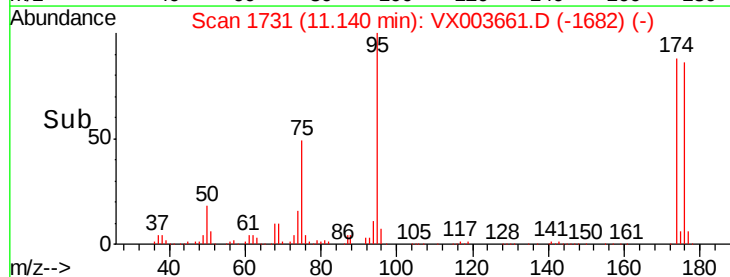
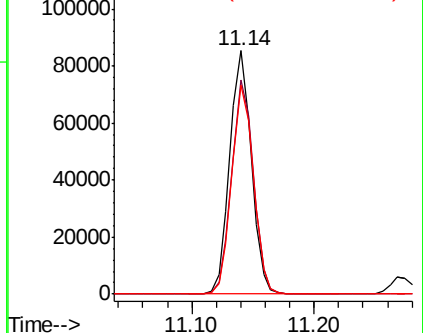
176 86.6 0.0 173.0

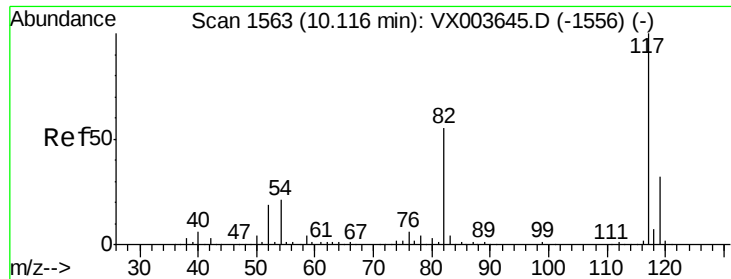


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





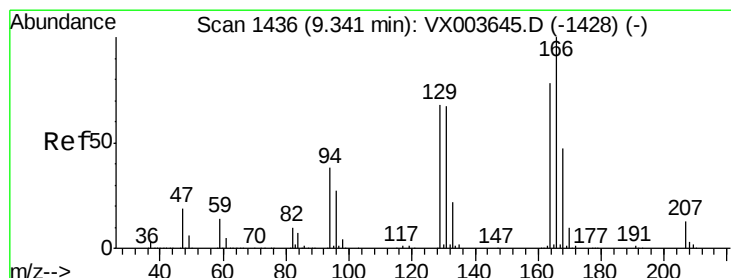
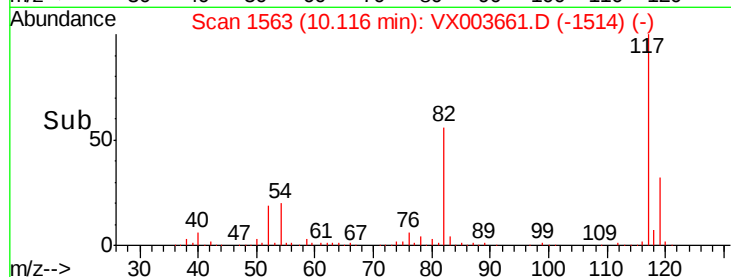
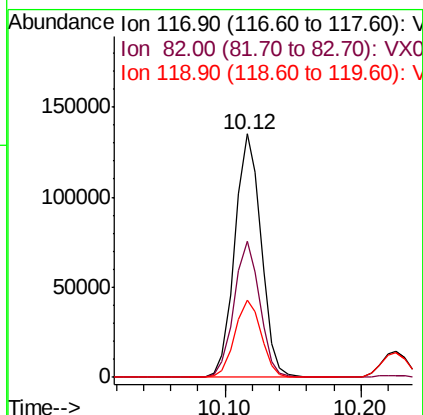
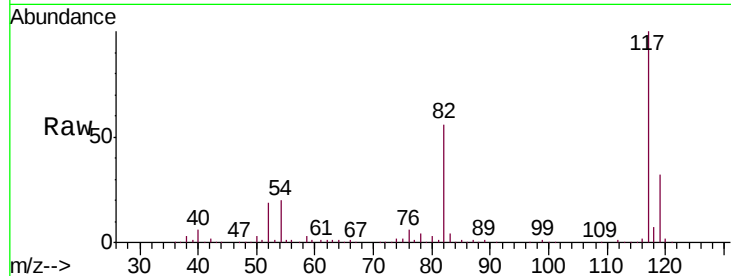
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003661.D
Acq: 25 Jul 2018 16:49

Instrument :
MSVOA_X
ClientSampleId :
VX0725MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.3	66.5
119	32.0	25.6	38.4

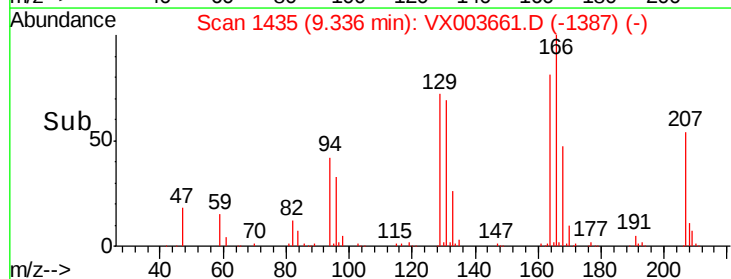
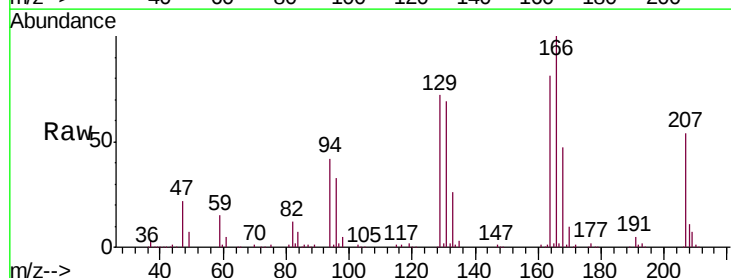
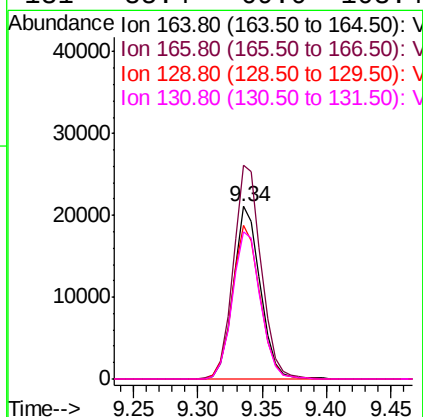
Manual Integrations
APPROVED

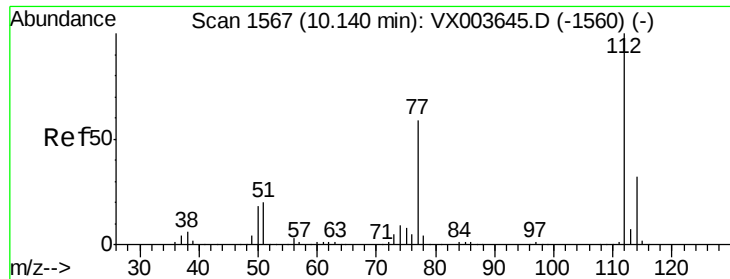
MMDadoda
7/27/2018 5:29:47 PM



#64
Tetrachloroethene
Concen: 18.52 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX003661.D
Acq: 25 Jul 2018 16:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.6	102.4	153.6
129	88.9	69.6	104.4
131	85.4	69.0	103.4





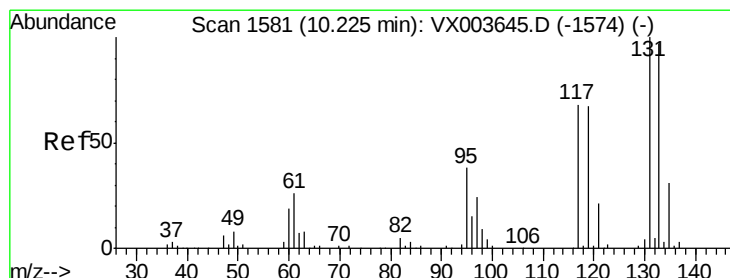
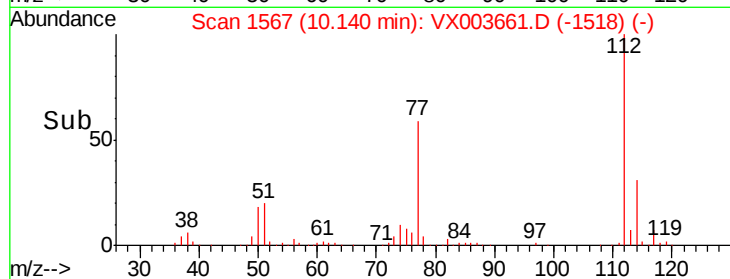
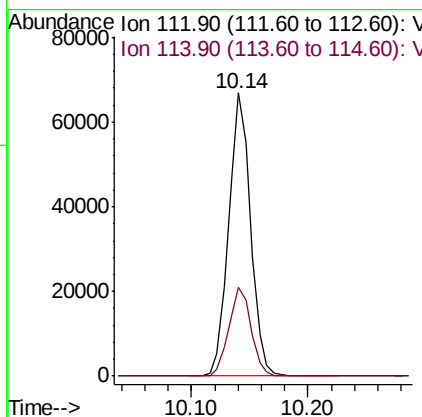
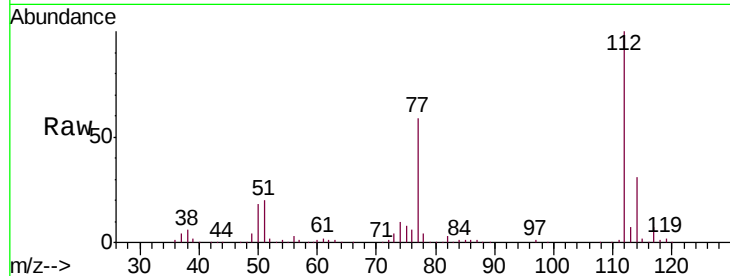
#65
Chlorobenzene
Concen: 19.16 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003661.D
Acq: 25 Jul 2018 16:49

Instrument :
MSVOA_X
ClientSampleId :
VX0725MBSD01

Tot Ion:112 Resp: 87516
Ion Ratio Lower Upper
112 100
114 31.5 25.8 38.8

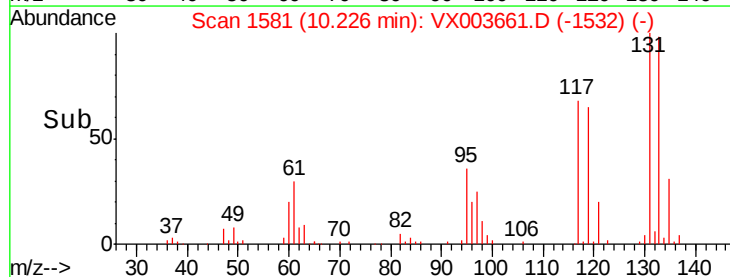
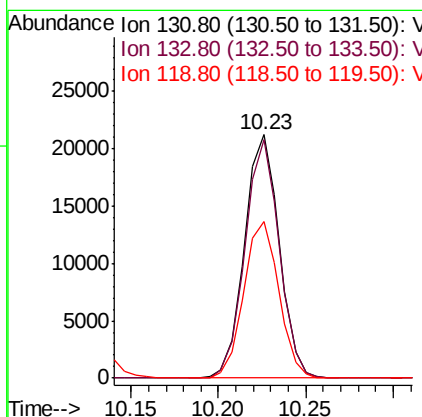
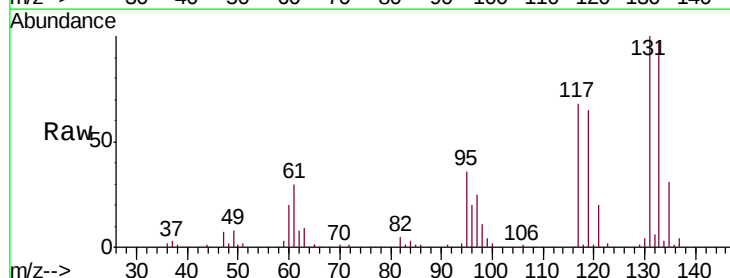
Manual Integrations
APPROVED

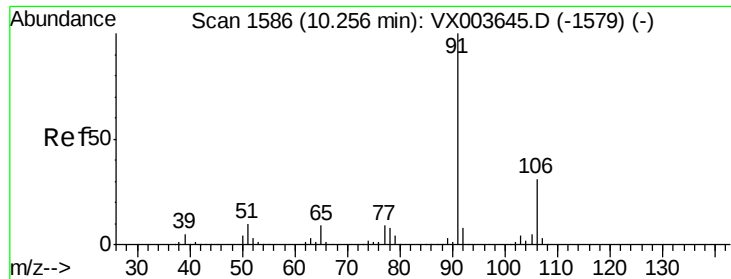
MMDadoda
7/27/2018 5:29:47 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.37 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003661.D
Acq: 25 Jul 2018 16:49

Tgt Ion:131 Resp: 29172
Ion Ratio Lower Upper
131 100
133 96.9 47.6 142.8
119 65.4 32.8 98.4





#67

Ethyl Benzene

Concen: 19.39 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003661.D

Acq: 25 Jul 2018 16:49

Instrument :

MSVOA_X

ClientSampleId :

VX0725MBSD01

Tot Ion: 91 Resp: 148262

Ion Ratio Lower Upper

91 100

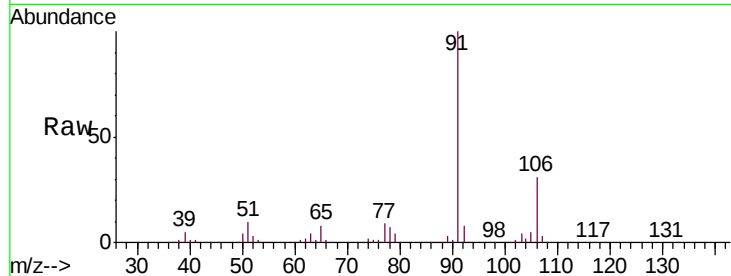
106 31.0 25.0 37.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX003645.D (-1579) (-)

Ion 106.00 (105.70 to 106.70): VX003645.D (-1579) (-)

200000

150000

100000

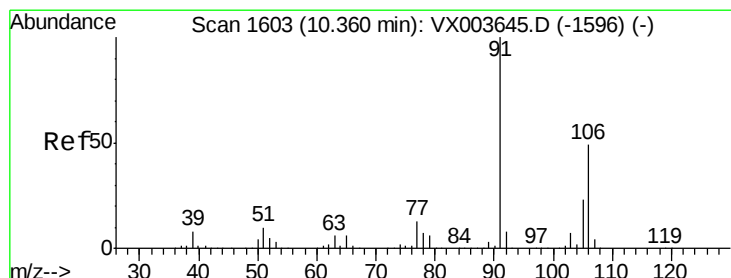
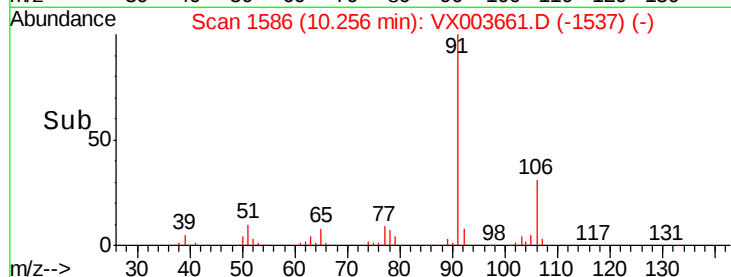
50000

0

10.20

10.30

Time-->



#68

m/p-Xylenes

Concen: 39.30 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003661.D

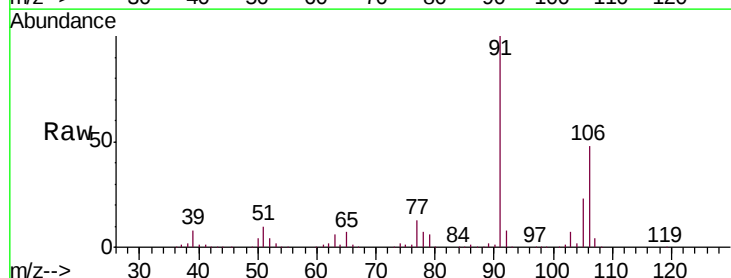
Acq: 25 Jul 2018 16:49

Tgt Ion: 106 Resp: 115268

Ion Ratio Lower Upper

106 100

91 204.0 162.2 243.2



Abundance Ion 106.00 (105.70 to 106.70): VX003645.D (-1596) (-)

Ion 91.00 (90.70 to 91.70): VX003645.D (-1596) (-)

200000

150000

100000

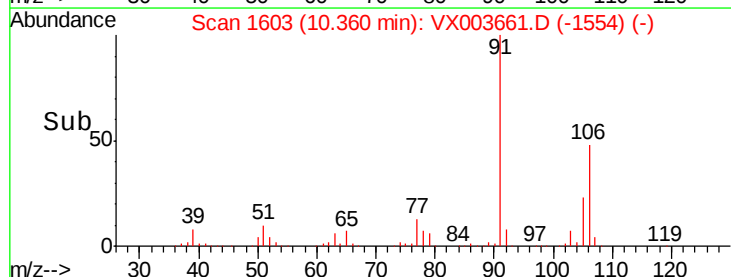
50000

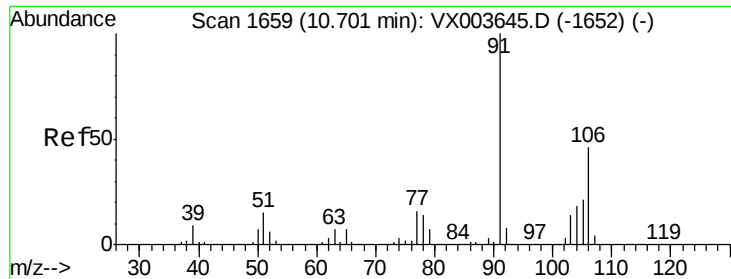
0

10.30

10.40

Time-->





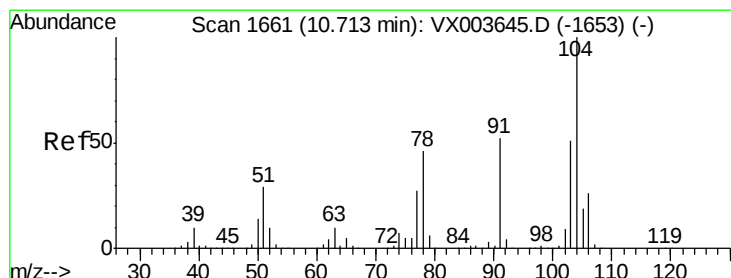
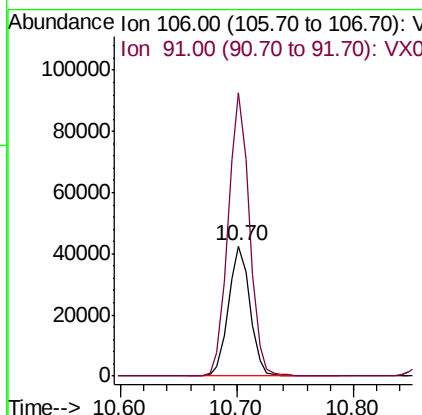
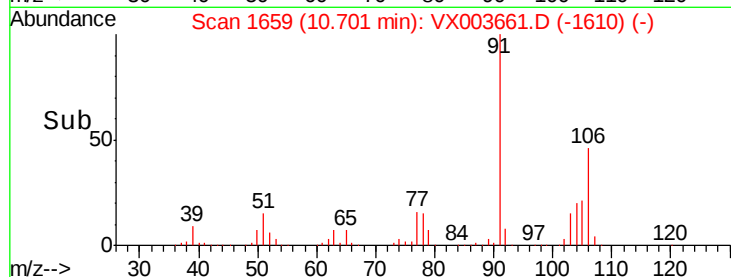
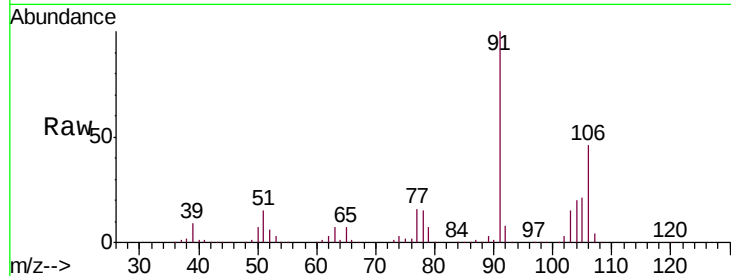
#69
o-Xylene
Concen: 19.33 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003661.D
Acq: 25 Jul 2018 16:49

Instrument :
MSVOA_X
ClientSampleId :
VX0725MBSD01

Tot Ion:106 Resp: 54594
Ion Ratio Lower Upper
106 100
91 215.8 107.1 321.1

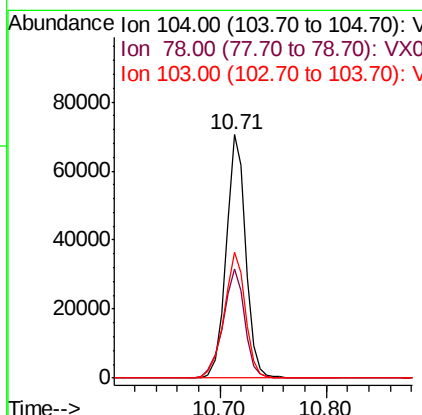
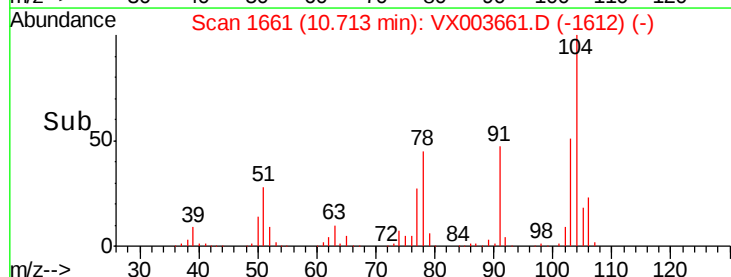
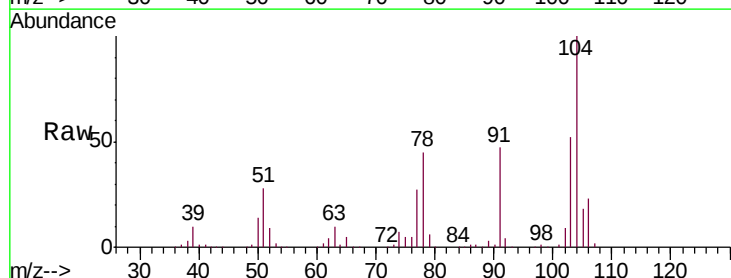
Manual Integrations
APPROVED

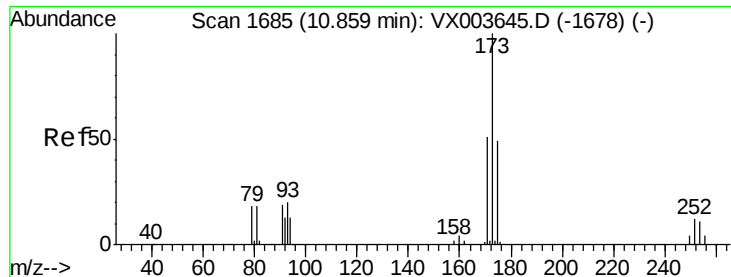
MMDadoda
7/27/2018 5:29:47 PM



#70
Styrene
Concen: 19.07 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003661.D
Acq: 25 Jul 2018 16:49

Tgt Ion:104 Resp: 90445
Ion Ratio Lower Upper
104 100
78 49.7 39.2 58.8
103 56.1 44.2 66.4





#71

Bromoform

Concen: 16.83 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003661.D

Acq: 25 Jul 2018 16:49

Instrument :

MSVOA_X

ClientSampleId :

VX0725MBSD01

Tot Ion:173 Resp: 21131

Ion Ratio Lower Upper

173 100

175 48.6 24.1 72.2

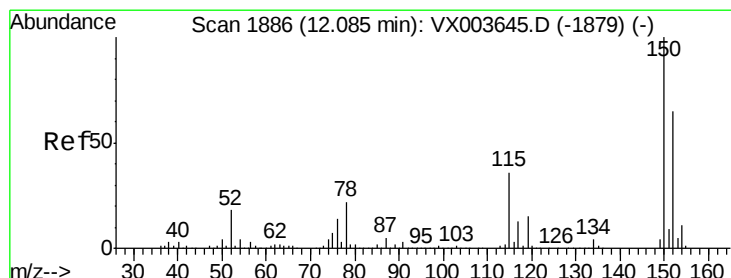
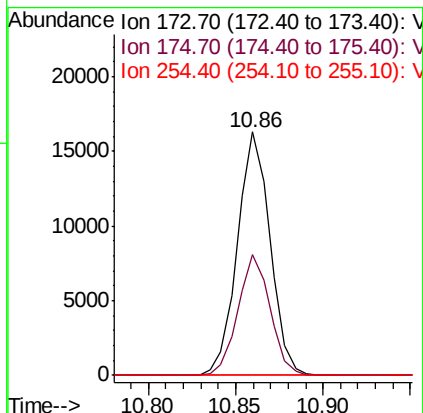
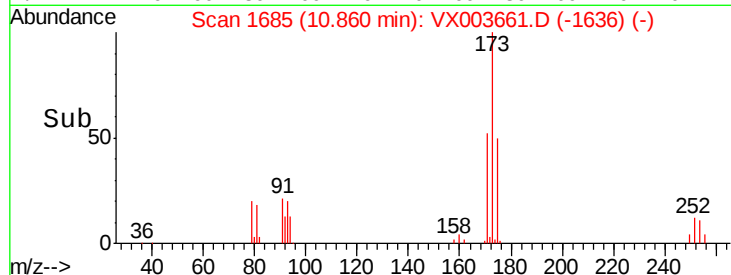
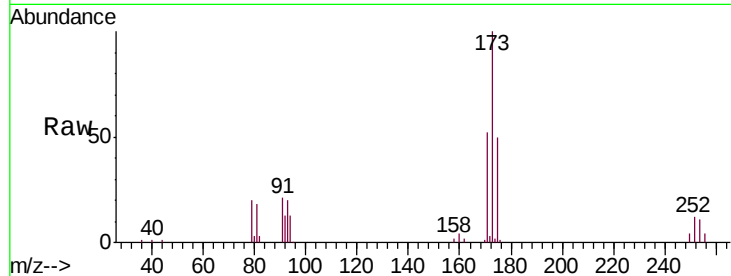
254 0.0 0.0 0.0

Manual Integrations

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003661.D

Acq: 25 Jul 2018 16:49

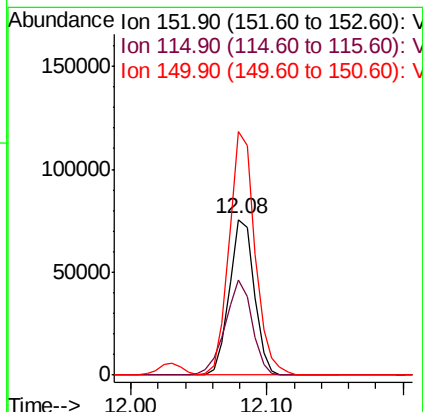
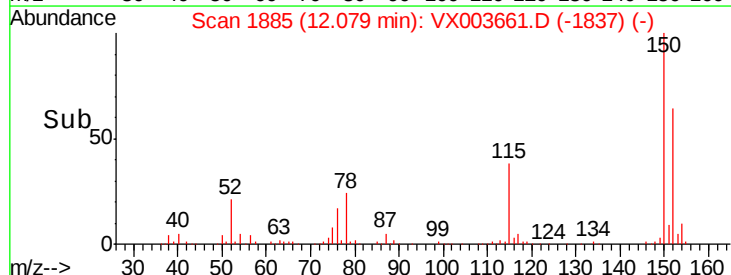
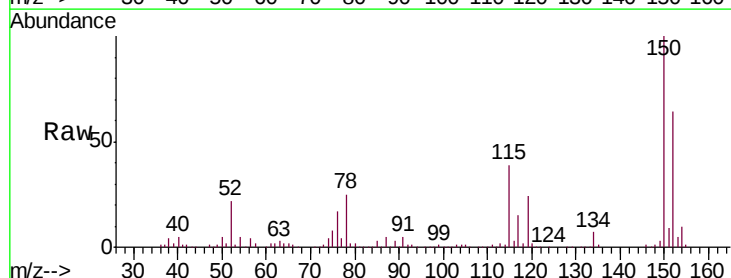
Tgt Ion:152 Resp: 96175

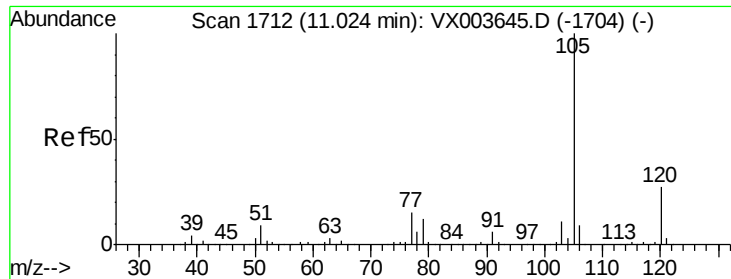
Ion Ratio Lower Upper

152 100

115 66.3 40.0 119.9

150 162.7 0.0 348.4





#73

Isopropylbenzene

Concen: 22.44 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX003661.D

Acq: 25 Jul 2018 16:49

Instrument :

MSVOA_X

ClientSampled :

VX0725MBS01

Tot Ion: 105 Resp: 147446

Ion Ratio Lower Upper

105 100

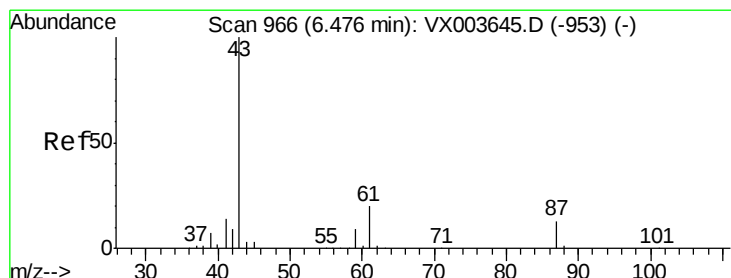
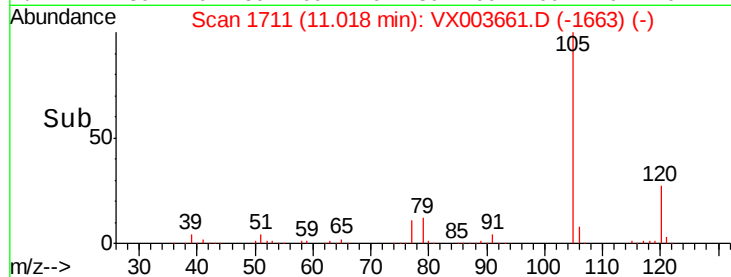
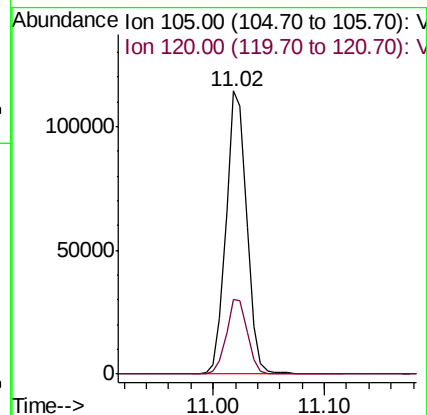
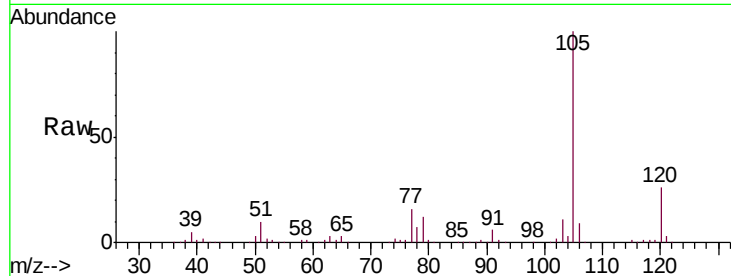
120 26.8 13.5 40.5

Manual Integrations

APPROVED

MMDadoda

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#74

N-ethyl acetate

Concen: 22.02 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX003661.D

Acq: 25 Jul 2018 16:49

Tgt Ion: 43 Resp: 75466

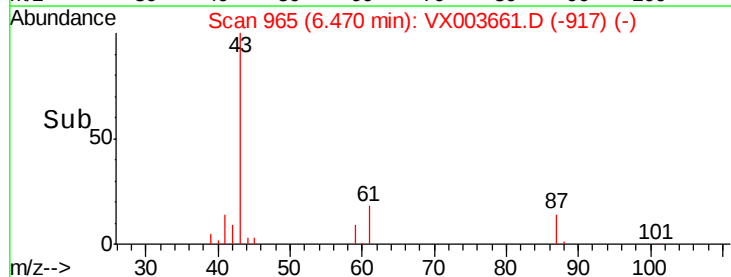
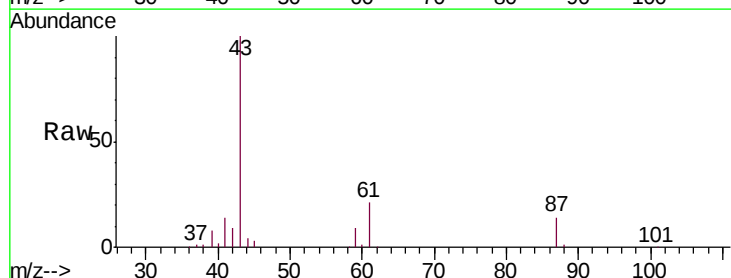
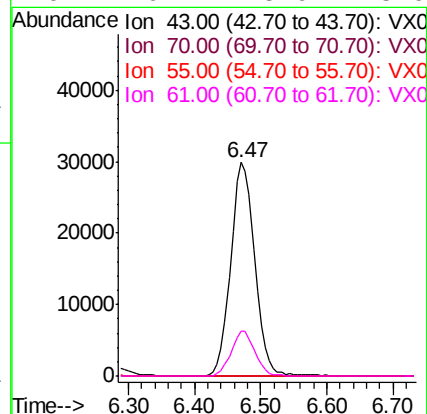
Ion Ratio Lower Upper

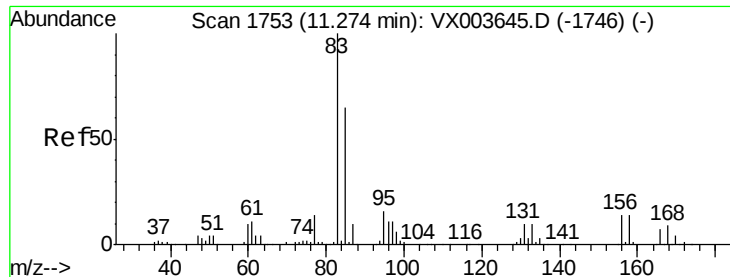
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 20.4 15.9 23.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.92 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX003661.D

Acq: 25 Jul 2018 16:49

Instrument :

MSVOA_X

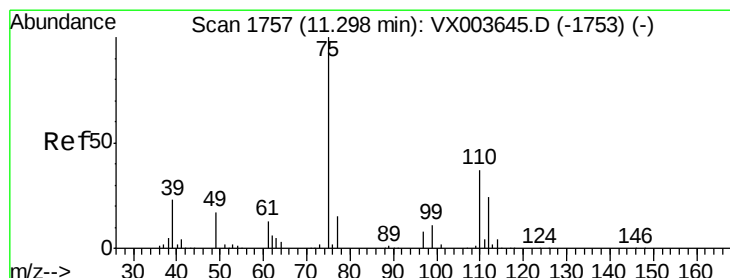
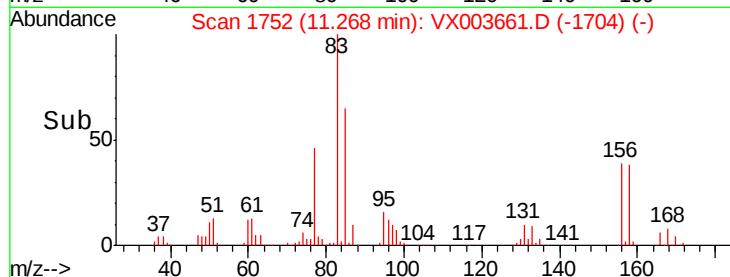
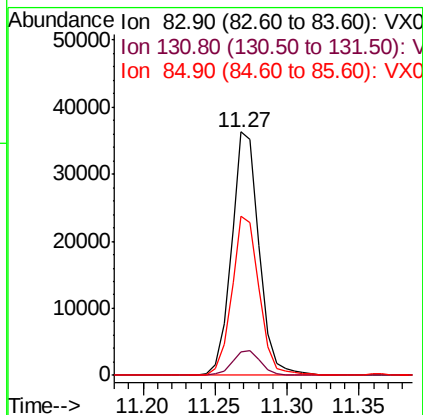
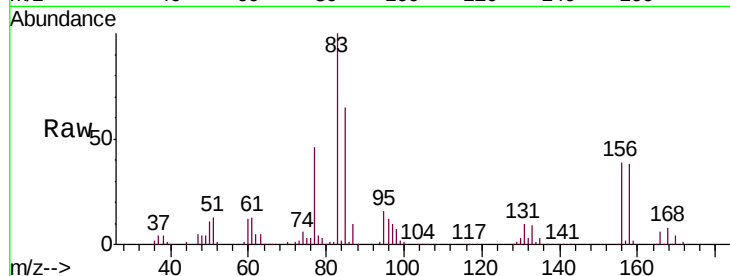
ClientSampleId :

VX0725MBS01

Tot Ion:	83	Resp:	48349
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.1	15.4
85	65.2	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.22 ug/l m

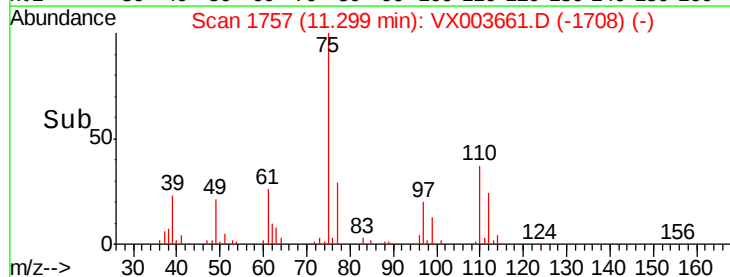
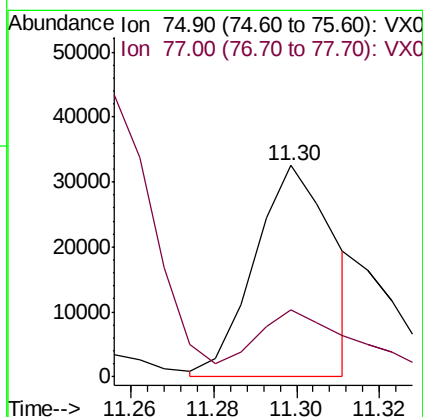
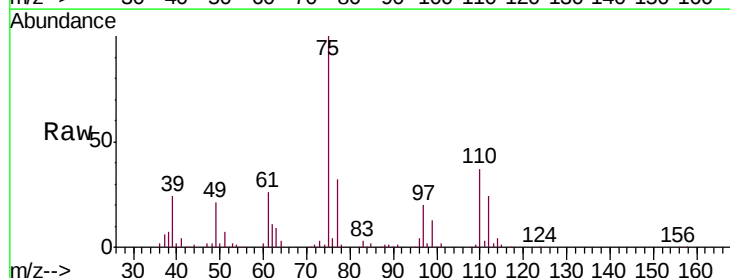
RT: 11.30 min Scan# 1757

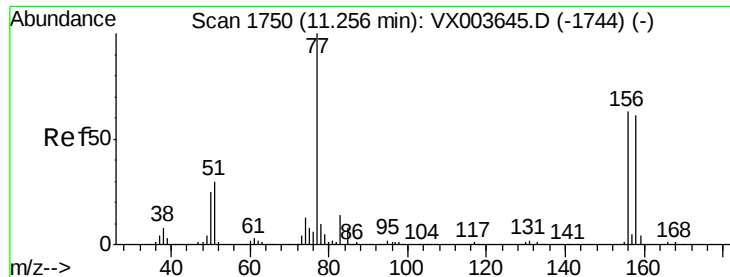
Delta R.T. 0.00 min

Lab File: VX003661.D

Acq: 25 Jul 2018 16:49

Tgt Ion:	75	Resp:	42805
Ion Ratio	Lower	Upper	
75	100		
77	40.8	21.6	64.6





#77

Bromobenzene

Concen: 21.15 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003661.D

Acq: 25 Jul 2018 16:49

Instrument :

MSVOA_X

ClientSampleId :

VX0725MBSD01

Tot Ion:156 Resp: 37742

Ion Ratio Lower Upper

156 100

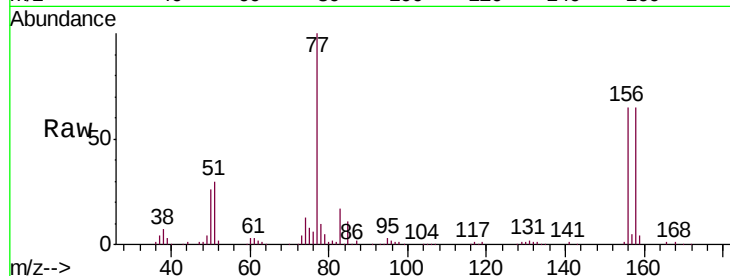
77 151.0 74.9 224.6

158 98.1 48.4 145.2

Manual Integrations
APPROVED

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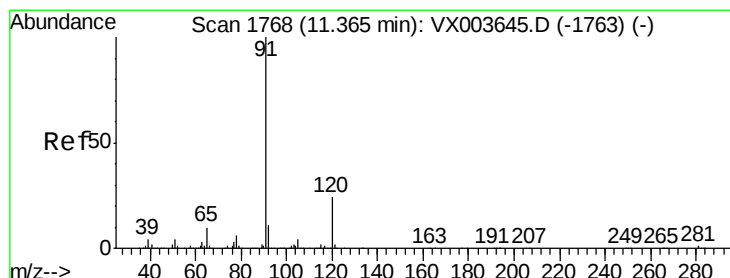
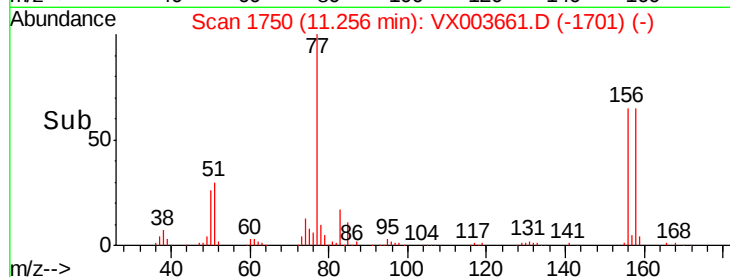
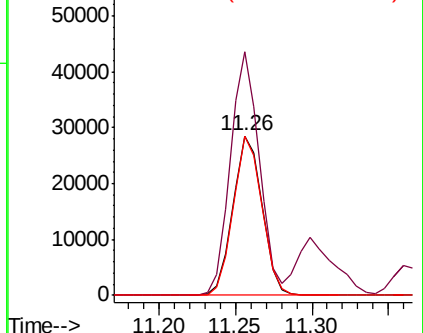
7/27/2018 5:29:47 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.24 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VX003661.D

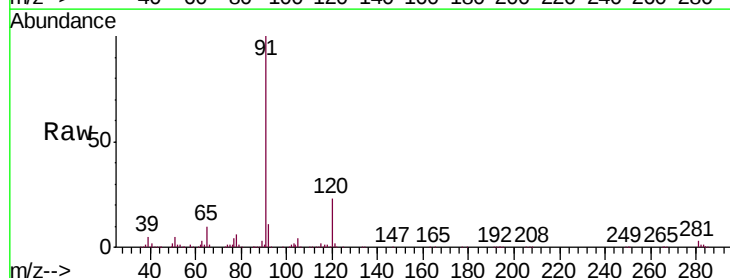
Acq: 25 Jul 2018 16:49

Tgt Ion: 91 Resp: 168781

Ion Ratio Lower Upper

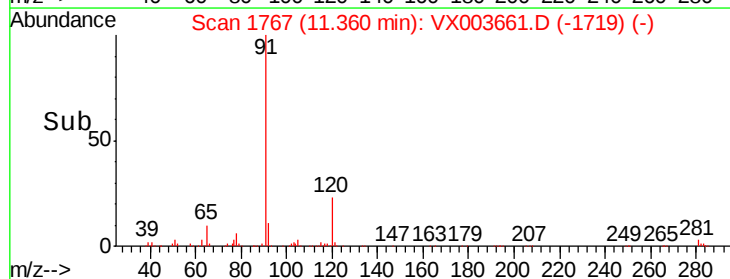
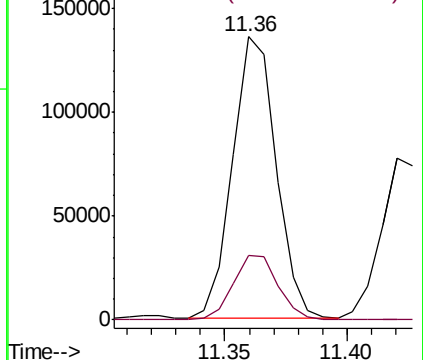
91 100

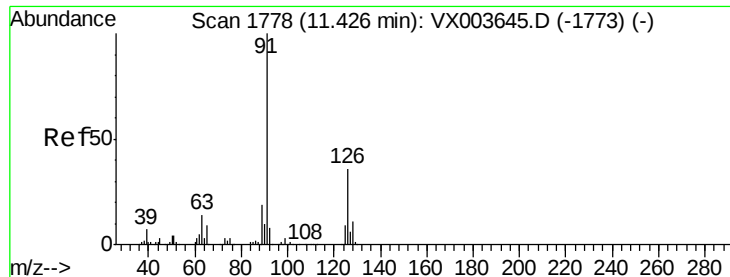
120 23.6 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.67 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX003661.D

Acq: 25 Jul 2018 16:49

Instrument :

MSVOA_X

ClientSampleId :

VX0725MBSD01

Tot Ion: 91 Resp: 99935

Ion Ratio Lower Upper

91 100

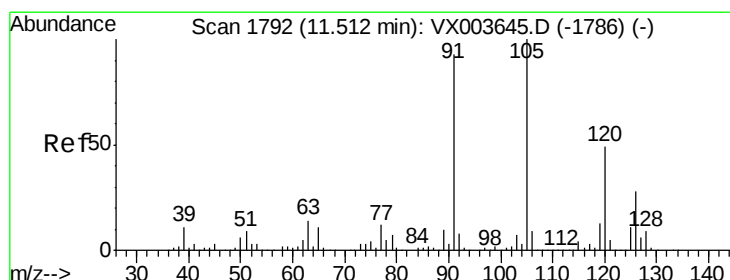
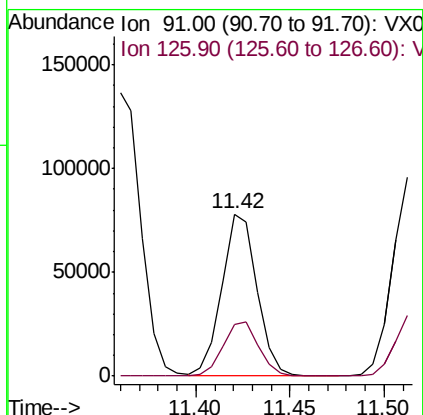
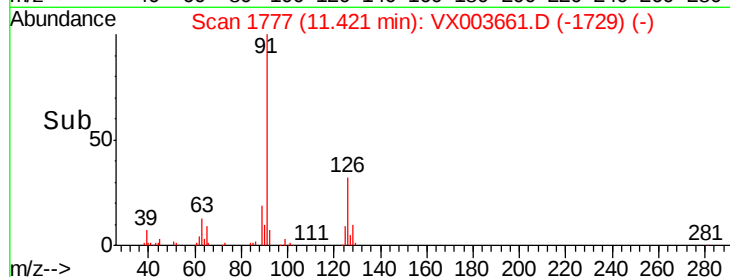
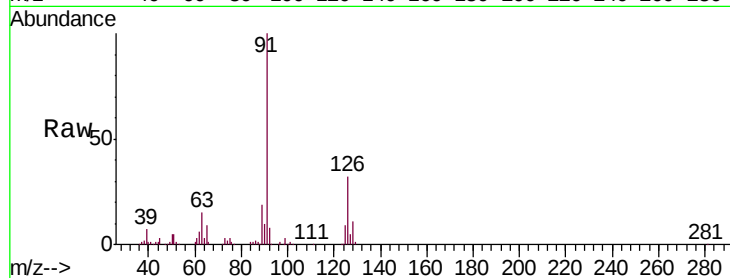
126 34.6 17.3 52.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 22.10 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX003661.D

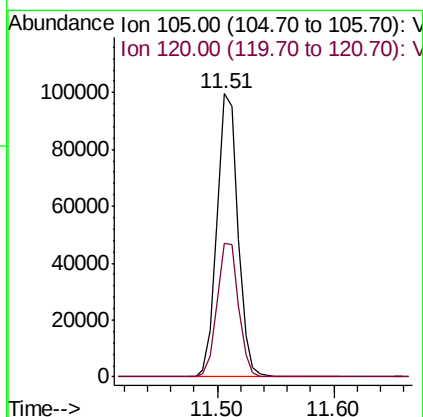
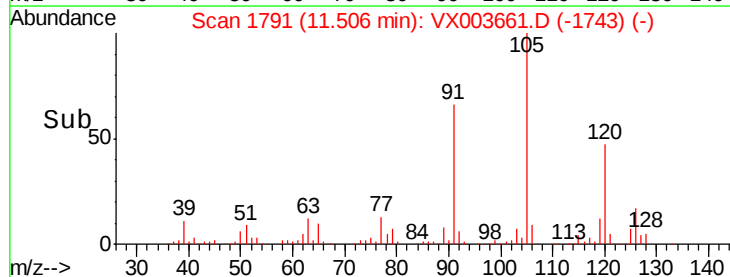
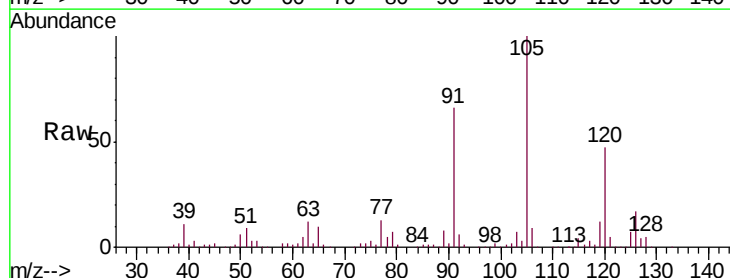
Acq: 25 Jul 2018 16:49

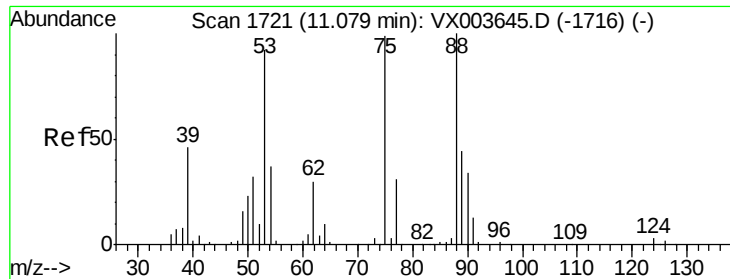
Tgt Ion: 105 Resp: 122869

Ion Ratio Lower Upper

105 100

120 48.4 24.4 73.4





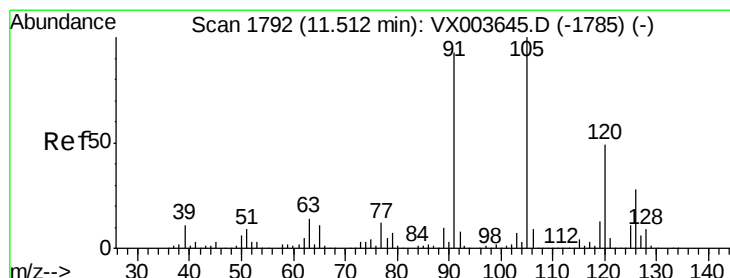
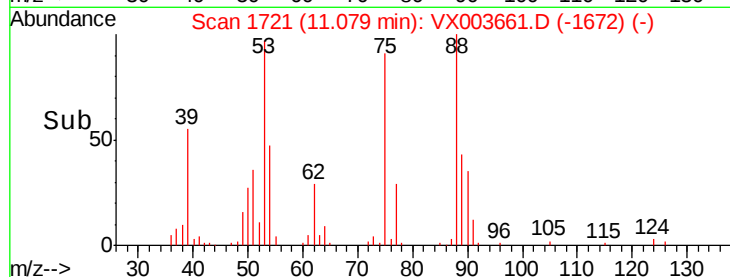
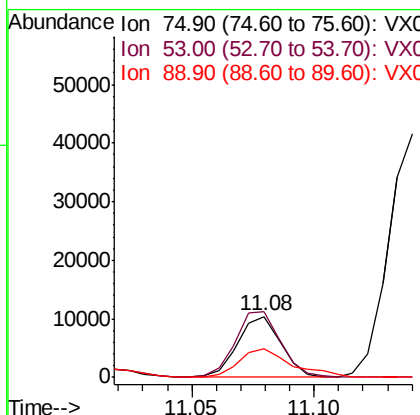
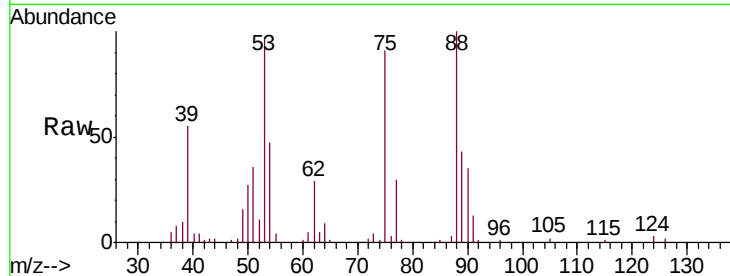
#81
trans-1,4-Dichloro-2-butene
Concen: 19.99 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003661.D
Acq: 25 Jul 2018 16:49

Instrument :
MSVOA_X
ClientSampleId :
VX0725MBSD01

Tot Ion: 75 Resp: 13016
Ion Ratio Lower Upper
75 100
53 111.3 77.8 116.8
89 57.2 36.6 54.8#

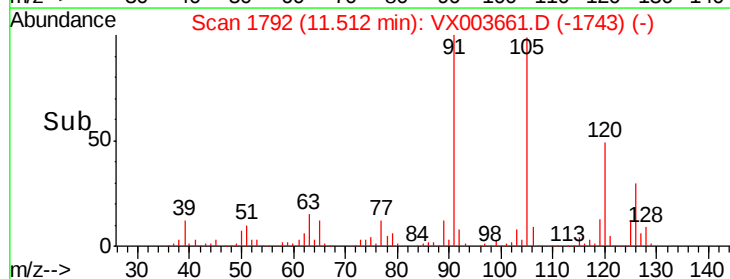
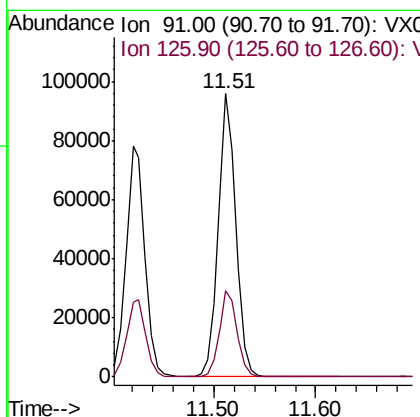
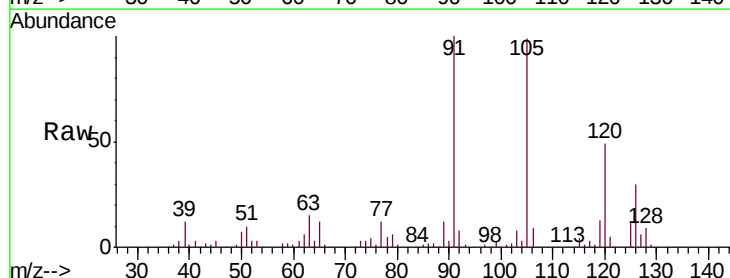
Manual Integrations
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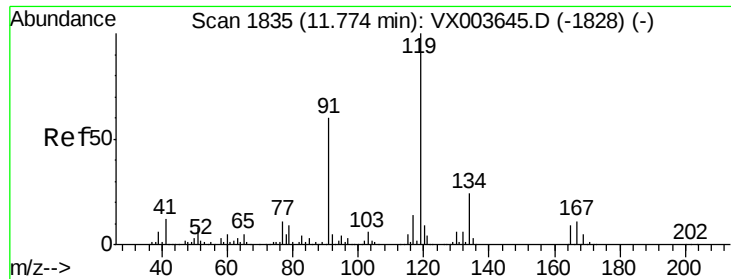
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#82
4-Chlorotoluene
Concen: 21.60 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003661.D
Acq: 25 Jul 2018 16:49

Tgt Ion: 91 Resp: 117333
Ion Ratio Lower Upper
91 100
126 30.3 15.4 46.1





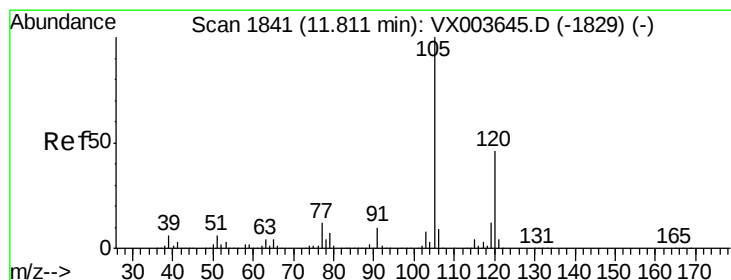
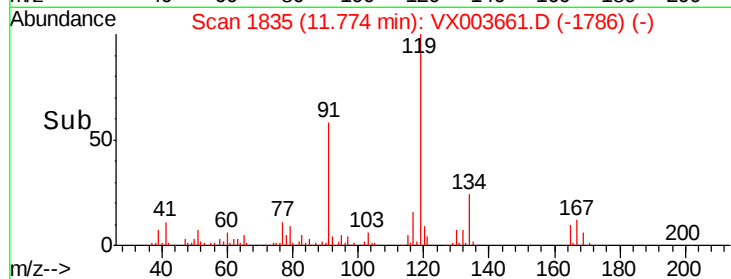
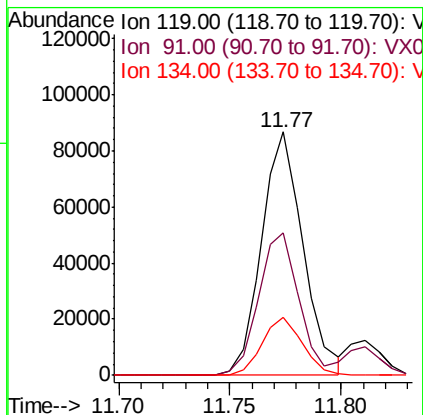
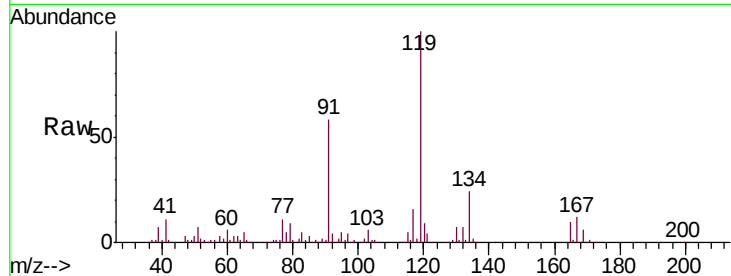
#83
tert-Butylbenzene
Concen: 20.67 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX003661.D
Acq: 25 Jul 2018 16:49

Instrument :
MSVOA_X
ClientSampleId :
VX0725MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	112462		
91	56.5	28.4	85.2	
134	23.1	11.6	34.8	

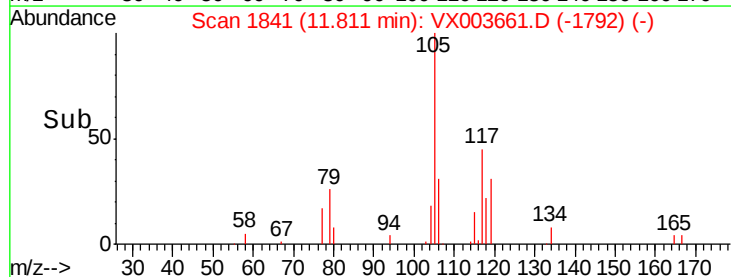
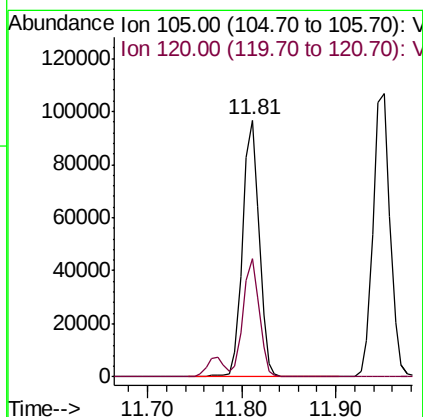
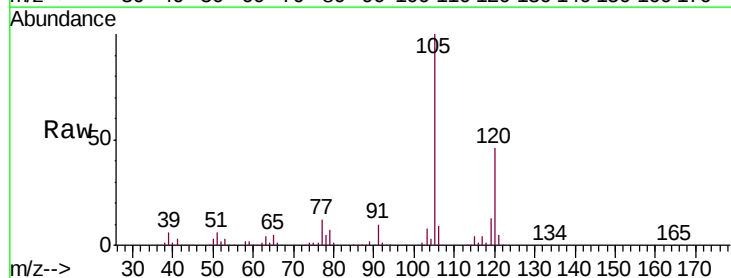
Manual Integrations
APPROVED

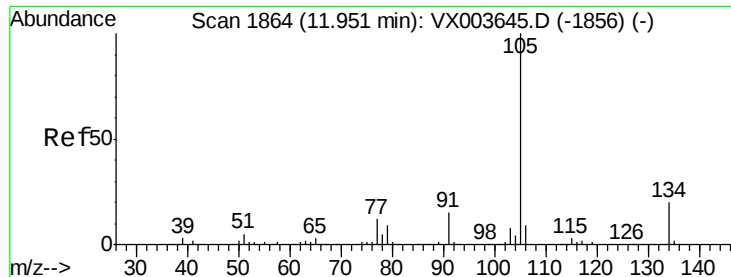
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#84
1,2,4-Trimethylbenzene
Concen: 20.79 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003661.D
Acq: 25 Jul 2018 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	118802		
120	45.0	22.6	67.8	





#85

sec-Butylbenzene

Concen: 20.71 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003661.D

Acq: 25 Jul 2018 16:49

Instrument :

MSVOA_X

ClientSampleId :

VX0725MBSD01

Tot Ion:105 Resp: 134463

Ion Ratio Lower Upper

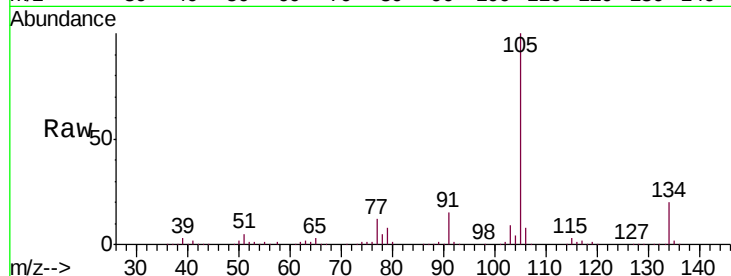
105 100

134 19.9 10.1 30.1

Manual Integrations
APPROVED

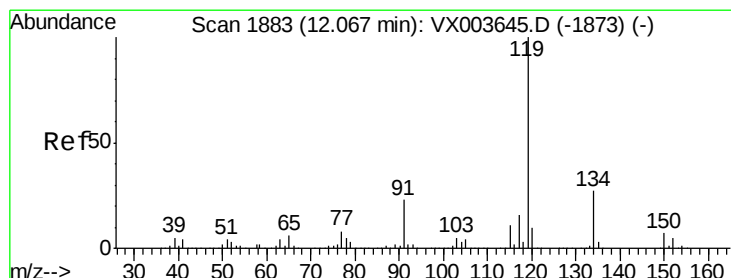
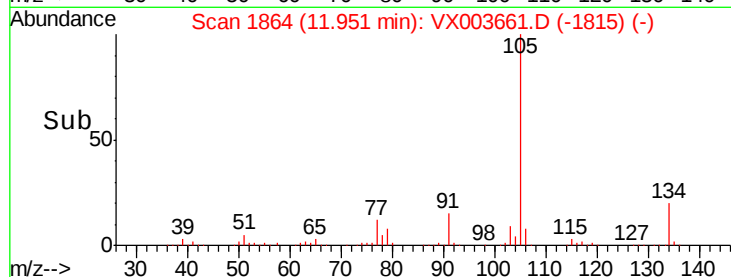
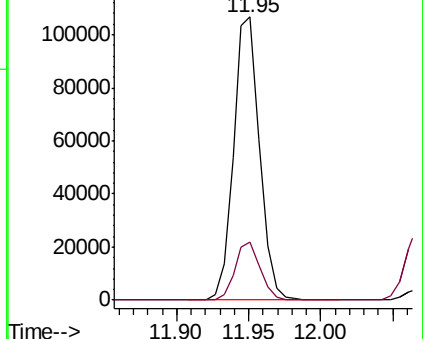
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.78 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003661.D

Acq: 25 Jul 2018 16:49

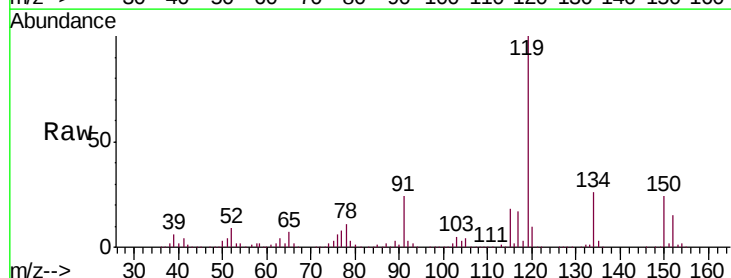
Tgt Ion:119 Resp: 121115

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.9

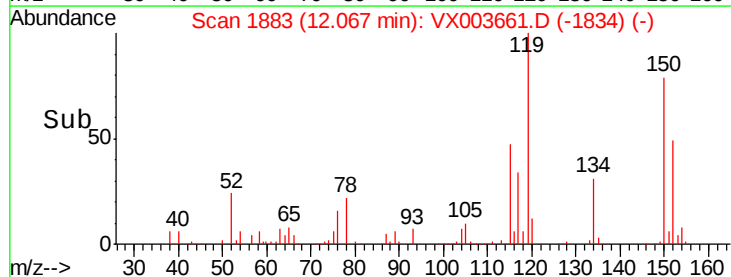
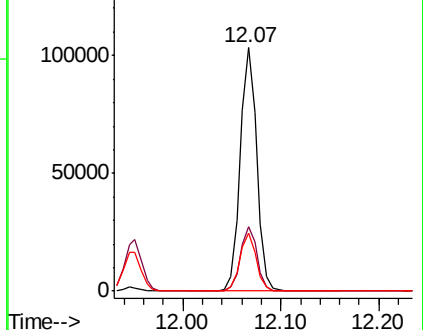
91 23.7 11.5 34.5

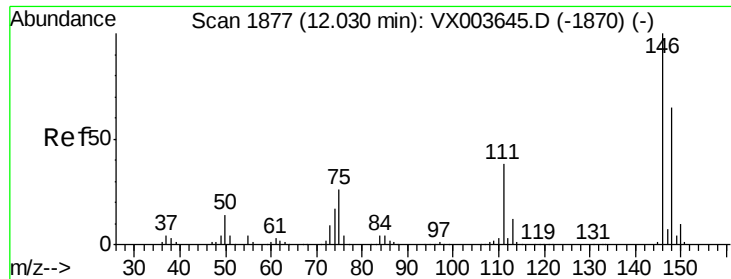


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





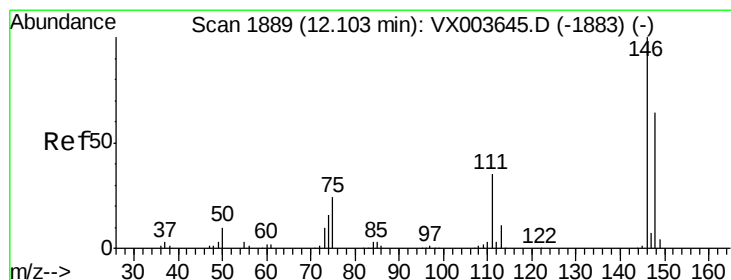
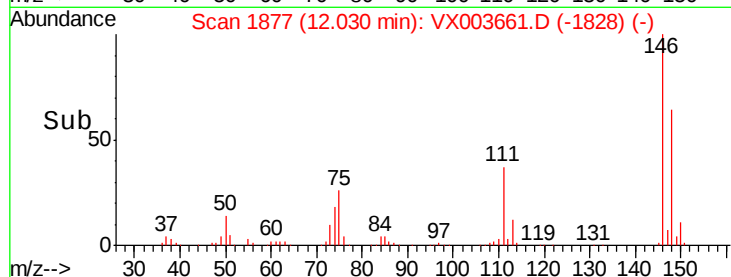
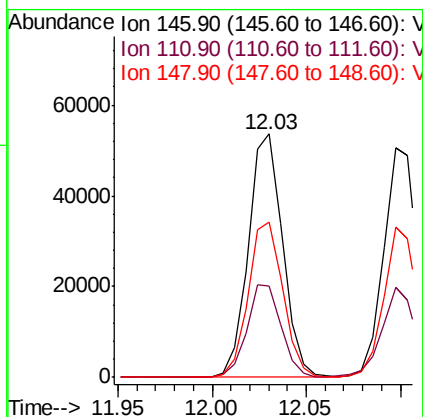
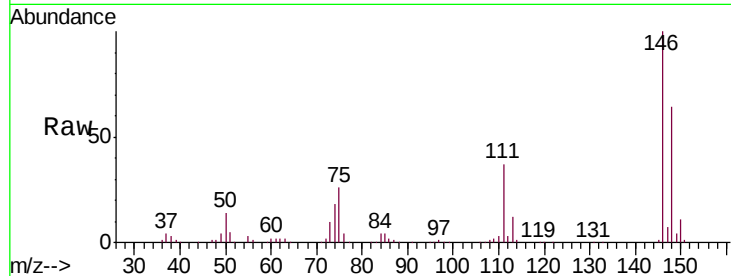
#87
 1,3-Dichlorobenzene
 Concen: 20.35 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003661.D
 Acq: 25 Jul 2018 16:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0725MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.4	58.2
148	64.4	32.4	97.0

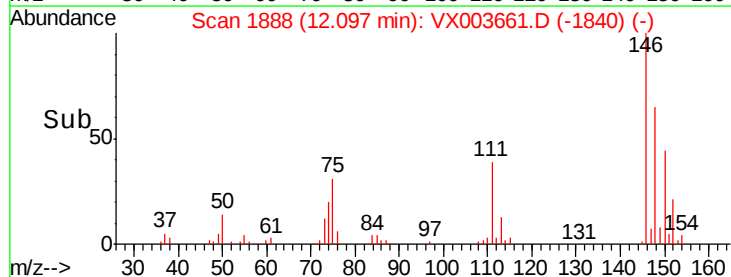
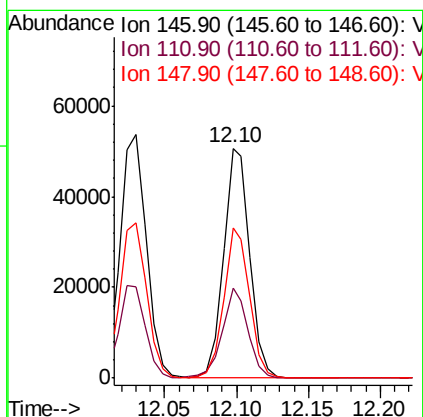
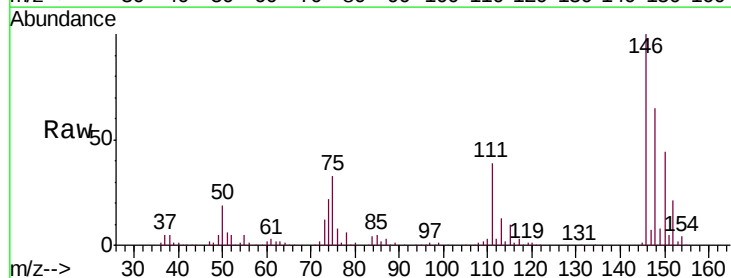
Manual Integrations
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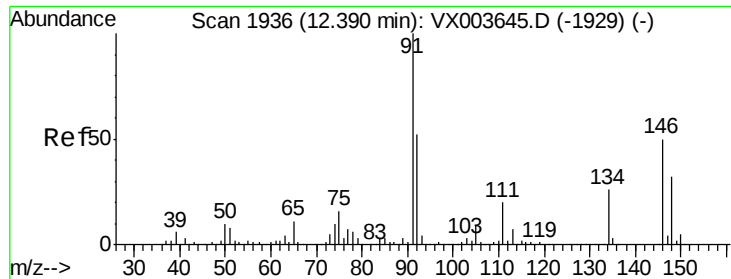
MMDadoda
 7/27/2018 5:29:47 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.65 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: VX003661.D
 Acq: 25 Jul 2018 16:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	18.6	55.6
148	64.1	32.0	96.2





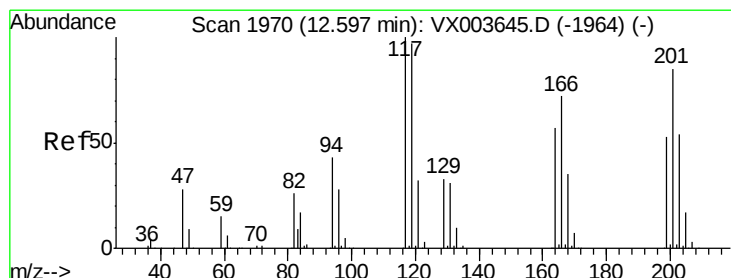
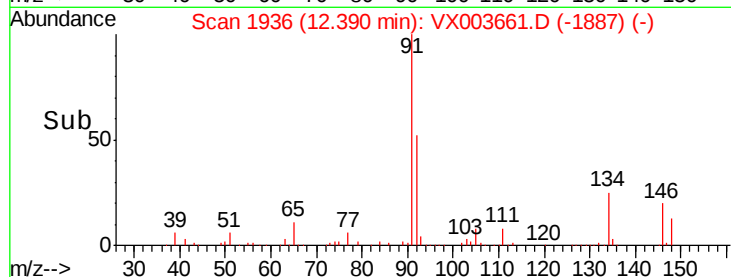
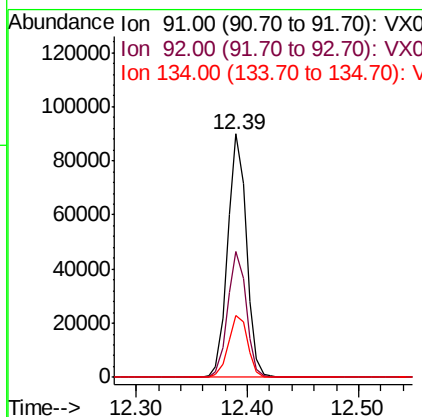
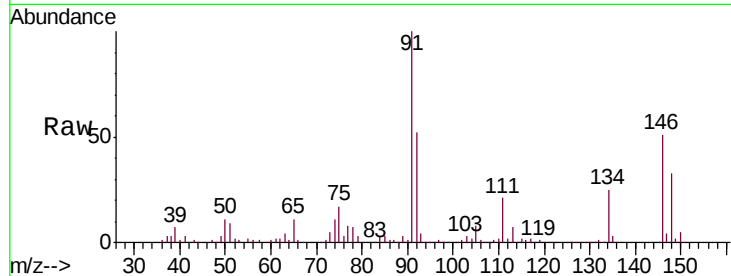
#89
n-Butylbenzene
Concen: 19.87 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003661.D
Acq: 25 Jul 2018 16:49

Instrument :
MSVOA_X
ClientSampleId :
VX0725MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.3	78.9
134	26.3	13.3	39.8

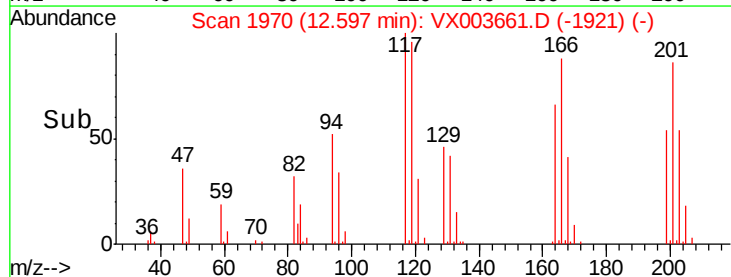
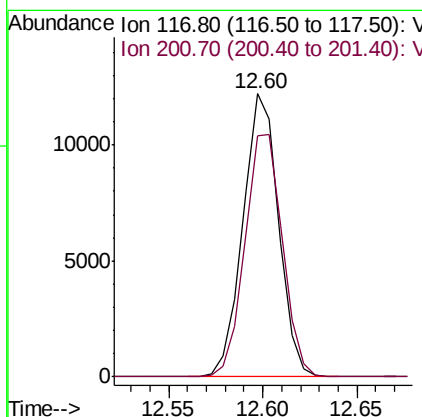
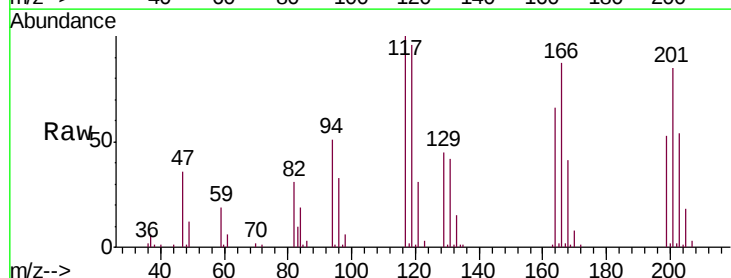
Manual Integrations
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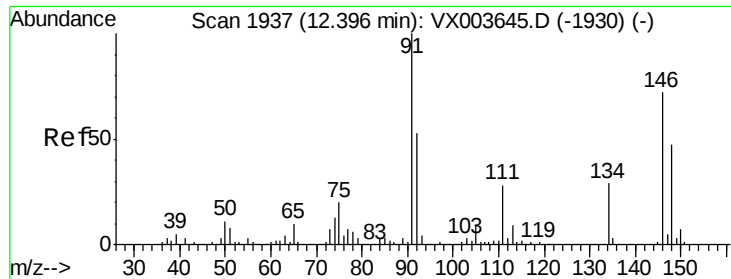
MMDadoda
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#90
Hexachloroethane
Concen: 18.11 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003661.D
Acq: 25 Jul 2018 16:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.2	46.2	138.5





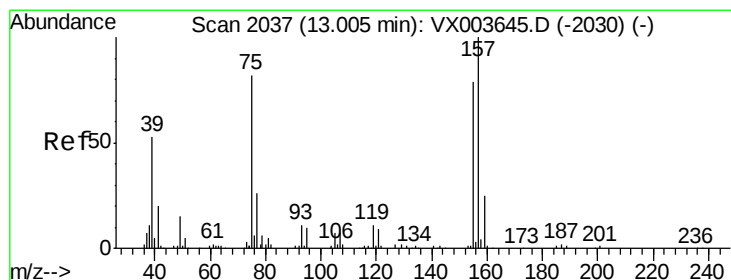
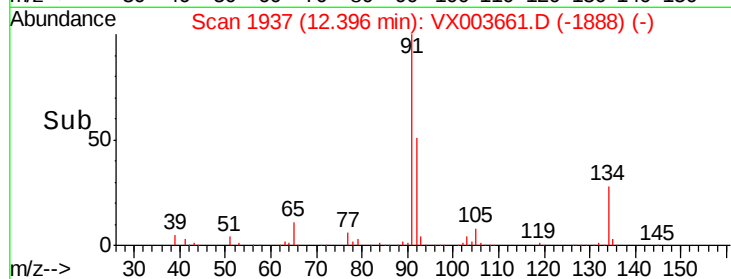
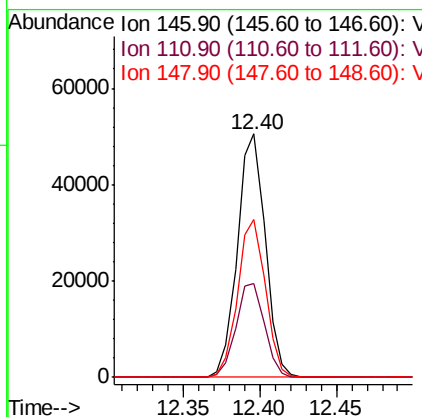
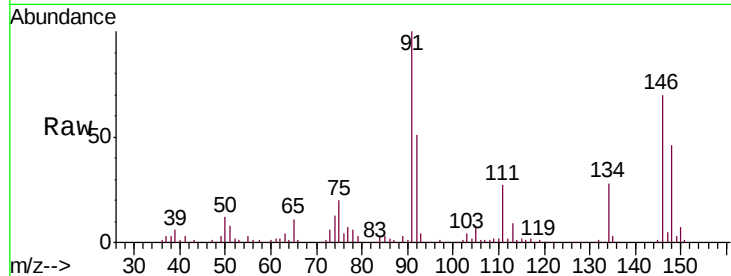
#91
 1,2-Dichlorobenzene
 Concen: 18.84 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003661.D
 Acq: 25 Jul 2018 16:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0725MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.8	59.4
148	64.7	32.2	96.6

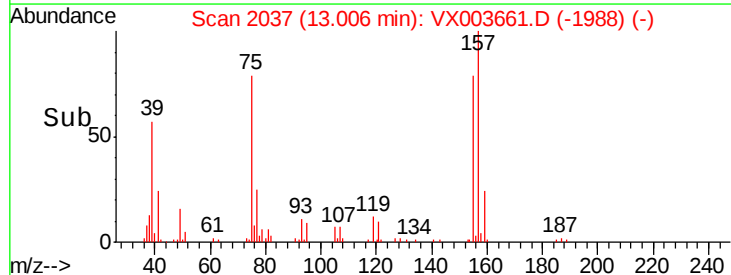
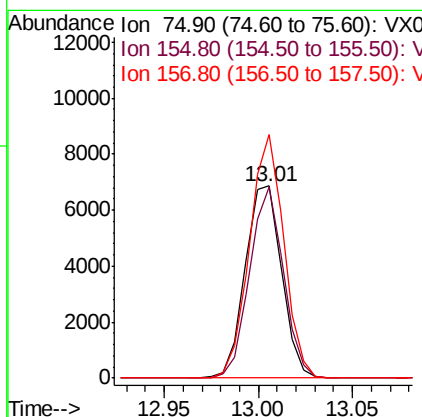
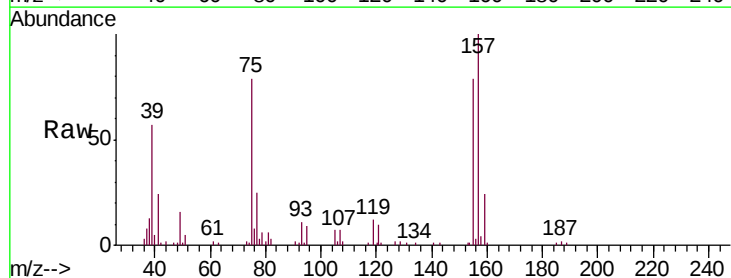
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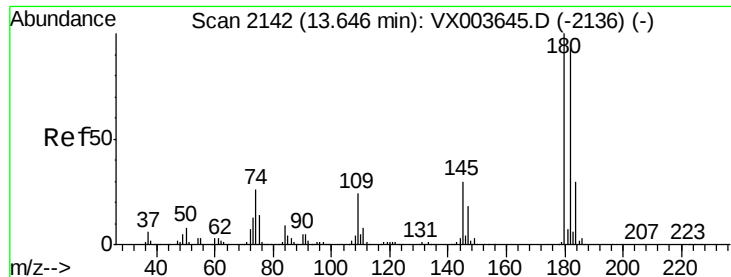
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.30 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX003661.D
 Acq: 25 Jul 2018 16:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.7	46.1	138.3
157	118.6	59.7	179.0





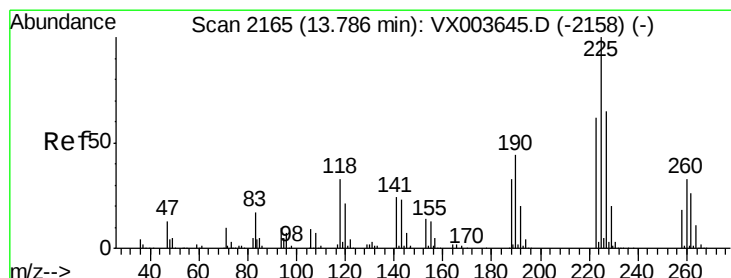
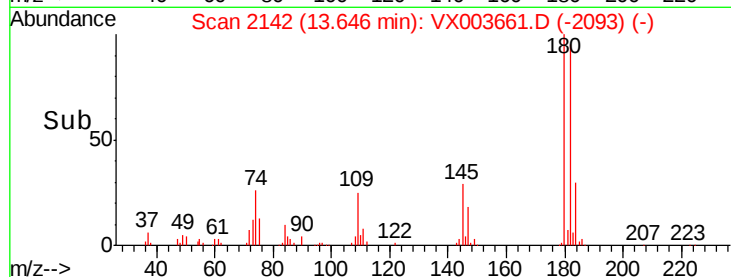
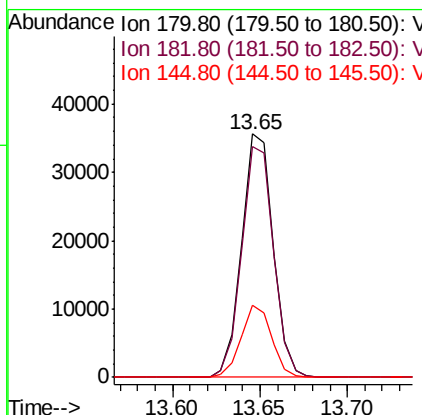
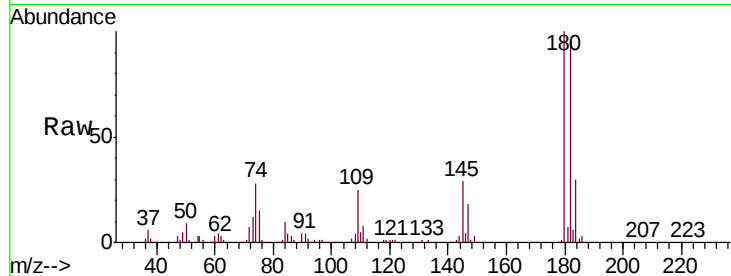
#93
 1,2,4-Trichlorobenzene
 Concen: 18.42 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003661.D
 Acq: 25 Jul 2018 16:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0725MBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.8
145	28.8	14.4	43.2

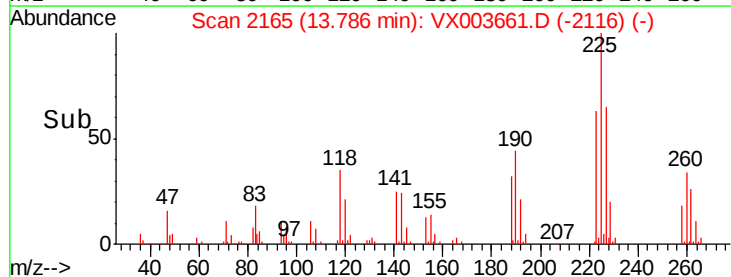
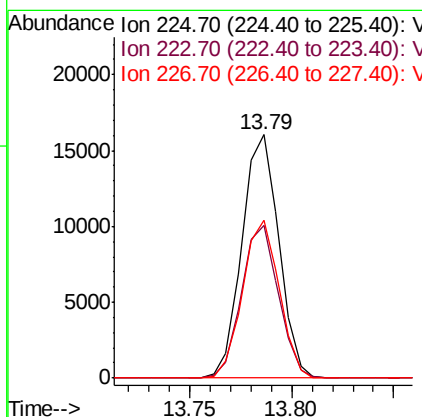
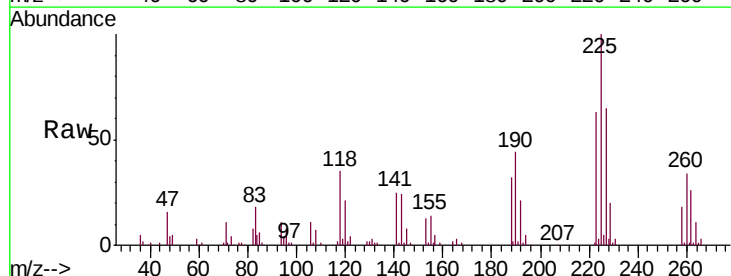
Manual Integrations
 APPROVED

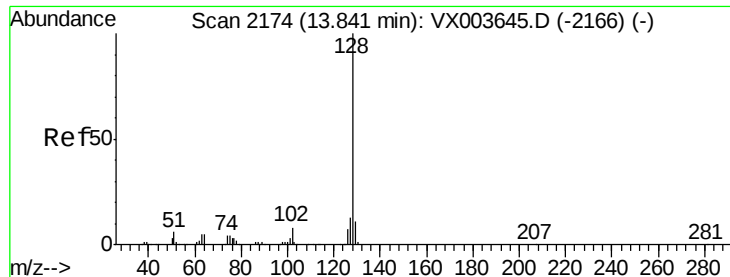
MMDadoda
 7/27/2018 5:29:47 PM



#94
 Hexachlorobutadiene
 Concen: 18.00 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003661.D
 Acq: 25 Jul 2018 16:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	30.9	92.5
227	64.1	31.9	95.7





#95

Naphthalene

Concen: 18.70 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VX003661.D

Acq: 25 Jul 2018 16:49

Instrument :

MSVOA_X

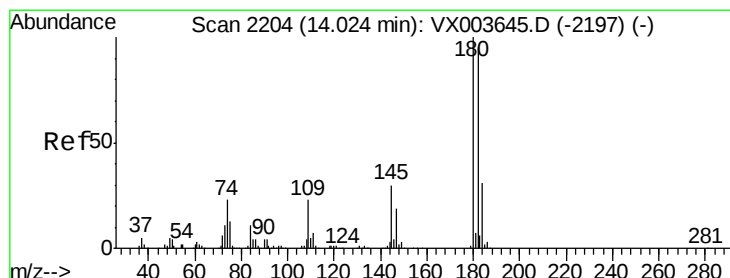
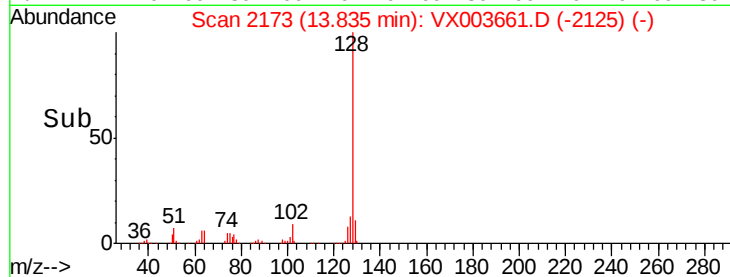
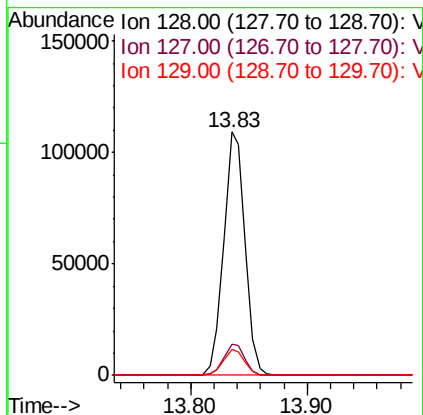
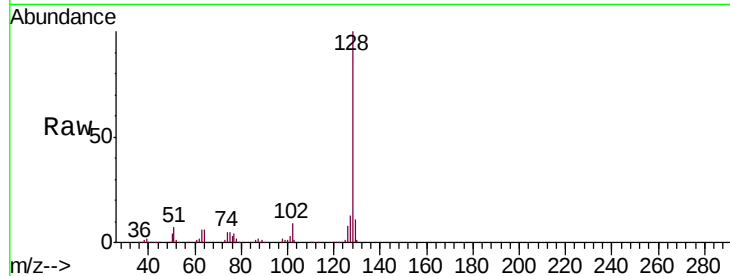
ClientSampleId :

VX0725MBS01

Tot Ion:	128	Resp:	137074
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.7	8.7	13.1

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 18.24 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003661.D

Acq: 25 Jul 2018 16:49

Tgt Ion:	180	Resp:	44891
Ion Ratio	Lower	Upper	
180	100		
182	94.5	47.6	142.8
145	31.0	15.0	45.1

