

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081418\
 Data File : VX004049.D
 Acq On : 15 Aug 2018 01:15
 Operator : JC/MD
 Sample : VX0814WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0814WBSD02

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 4:49:57 PM

Quant Time: Aug 15 14:45:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	300183	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	450452	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	415768	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	258327	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	218479	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
35) Dibromofluoromethane	5.50	113	179353	53.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.40%	
50) Toluene-d8	8.72	98	697048	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
62) 4-Bromofluorobenzene	11.14	95	252190	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	59449	20.34	ug/l	99
3) Chloromethane	1.32	50	68459	19.09	ug/l	100
4) Vinyl Chloride	1.40	62	75631	19.49	ug/l	98
5) Bromomethane	1.64	94	45123	22.85	ug/l	100
6) Chloroethane	1.73	64	53022	19.70	ug/l	97
7) Trichlorofluoromethane	1.93	101	106078	19.49	ug/l	98
8) Diethyl Ether	2.18	74	46401	19.53	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	64796	19.08	ug/l	99
10) Methyl Iodide	2.51	142	63695	20.81	ug/l	100
11) Tert butyl alcohol	3.04	59	86227	101.24	ug/l	98
12) 1,1-Dichloroethene	2.38	96	61359	19.43	ug/l	97
13) Acrolein	2.29	56	54449	101.05	ug/l	100
14) Allyl chloride	2.73	41	111860	18.62	ug/l	97
15) Acrylonitrile	3.14	53	219749	103.48	ug/l	99
16) Acetone	2.43	43	217705	99.00	ug/l	100
17) Carbon Disulfide	2.57	76	168295	18.79	ug/l	99
18) Methyl Acetate	2.77	43	94742	19.39	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	228599	20.55	ug/l	99
20) Methylene Chloride	2.86	84	74673	20.42	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	71027	19.80	ug/l	95
22) Diisopropyl ether	3.87	45	243995	20.72	ug/l	97
23) Vinyl Acetate	3.82	43	1016668	105.13	ug/l	98
24) 1,1-Dichloroethane	3.70	63	136644	20.49	ug/l	100
25) 2-Butanone	4.70	43	346296	96.79	ug/l	100
26) 2,2-Dichloropropane	4.59	77	72697	13.71	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	77793	19.29	ug/l	98
28) Bromochloromethane	5.02	49	64404	21.05	ug/l	99
29) Tetrahydrofuran	5.15	42	177978	97.36	ug/l	98
30) Chloroform	5.21	83	132079	20.29	ug/l	98
31) Cyclohexane	5.57	56	109495	18.73	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	112517	20.69	ug/l	98
36) 1,1-Dichloropropene	5.80	75	97406	19.00	ug/l	100
37) Ethyl Acetate	4.85	43	106326	19.05	ug/l	99
38) Carbon Tetrachloride	5.79	117	94497	18.98	ug/l	97

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
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Manual Integrations
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MMDadoda
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Quant Time: Aug 15 14:45:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	106585	18.33	ug/l	98
40) Benzene	6.14	78	303510	19.72	ug/l	100
41) Methacrylonitrile	5.06	41	58685	18.77	ug/l	99
42) 1,2-Dichloroethane	6.20	62	106114	19.70	ug/l	100
43) Isopropyl Acetate	6.46	43	156771	19.05	ug/l	99
44) Trichloroethene	7.21	130	78855	18.87	ug/l	94
45) 1,2-Dichloropropane	7.52	63	77444	19.65	ug/l	100
46) Dibromomethane	7.67	93	50327	19.54	ug/l	99
47) Bromodichloromethane	7.90	83	95377	19.56	ug/l	98
48) Methyl methacrylate	7.78	41	80768	19.50	ug/l	98
49) 1,4-Dioxane	7.76	88	37781	405.16	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	684225	101.42	ug/l	99
52) Toluene	8.79	92	192096	19.73	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	96742	18.36	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	108275	18.56	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	77985	19.40	ug/l	98
56) Ethyl methacrylate	9.18	69	104204	19.06	ug/l	98
57) 1,3-Dichloropropane	9.37	76	131201	19.67	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	285173	102.45	ug/l	99
59) 2-Hexanone	9.50	43	516871	101.80	ug/l	98
60) Dibromochloromethane	9.59	129	73989	19.13	ug/l	99
61) 1,2-Dibromoethane	9.67	107	80940	19.75	ug/l	100
64) Tetrachloroethene	9.34	164	80687	20.48	ug/l	97
65) Chlorobenzene	10.14	112	213754	19.90	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	71051	19.40	ug/l	98
67) Ethyl Benzene	10.26	91	340203	20.00	ug/l	96
68) m/p-Xylenes	10.36	106	276948	41.59	ug/l	94
69) o-Xylene	10.70	106	129324	20.32	ug/l	98
70) Styrene	10.71	104	217803	20.33	ug/l	97
71) Bromoform	10.86	173	54966	18.92	ug/l #	99
73) Isopropylbenzene	11.02	105	356897	20.42	ug/l	97
74) N-amyl acetate	6.46	43	156771	19.07	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	120982	19.82	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	108319m	20.91	ug/l	
77) Bromobenzene	11.26	156	96366	20.00	ug/l	98
78) n-propylbenzene	11.36	91	394776	20.18	ug/l	99
79) 2-Chlorotoluene	11.42	91	244045	20.47	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	293752	20.52	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	27866	16.65	ug/l	94
82) 4-Chlorotoluene	11.51	91	288263	20.45	ug/l	100
83) tert-Butylbenzene	11.77	119	286501	19.85	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	307843	20.76	ug/l	99
85) sec-Butylbenzene	11.94	105	343994	20.36	ug/l	100
86) p-Isopropyltoluene	12.07	119	309723	20.25	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	174480	18.98	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	178992	18.92	ug/l	99
89) n-Butylbenzene	12.39	91	238290	19.78	ug/l	99
90) Hexachloroethane	12.60	117	41168	17.99	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	164856	19.89	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	20105	18.74	ug/l	97

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBSD02

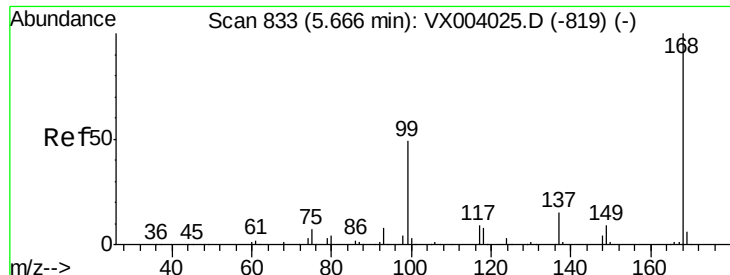
Manual Integrations
APPROVED

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8/15/2018 4:49:57 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 13:27:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	106297	18.76	ug/l	98
94) Hexachlorobutadiene	13.79	225	50614	17.82	ug/l	99
95) Naphthalene	13.83	128	336317	19.34	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	118063	19.11	ug/l	98

(#) = 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: VX004049.D

Acq: 15 Aug 2018 01:15

Instrument :

MSVOA_X

ClientSampleId :

VX0814WBSD02

Tot Ion:168 Resp: 300183

Ion Ratio Lower Upper

168 100

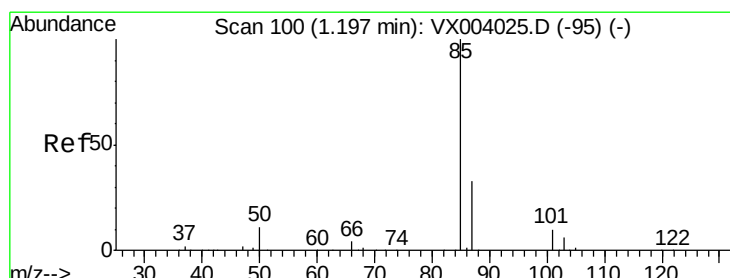
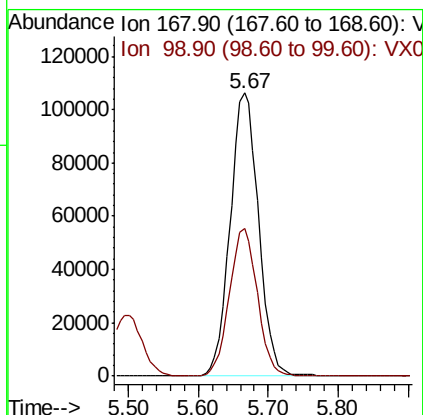
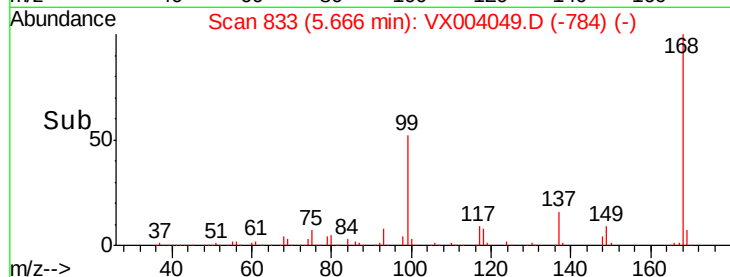
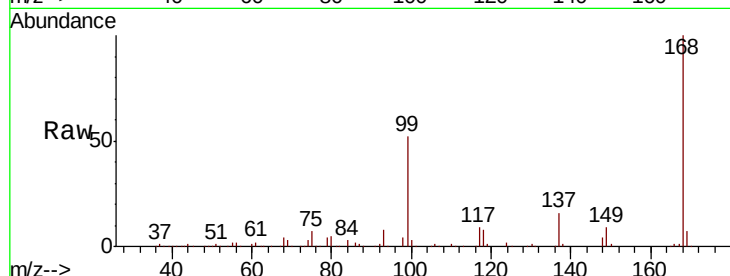
99 52.1 40.1 60.1

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 20.34 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004049.D

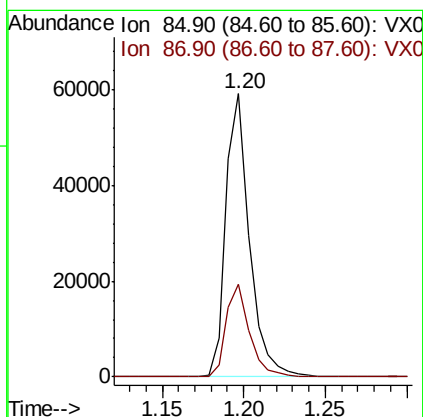
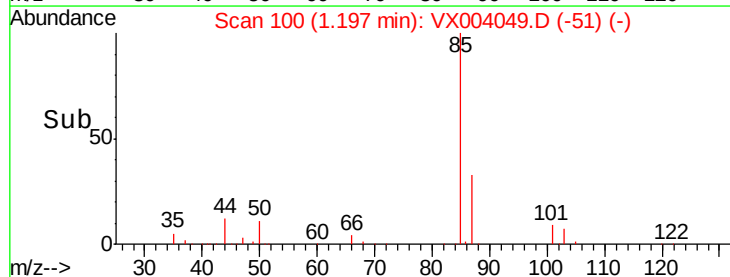
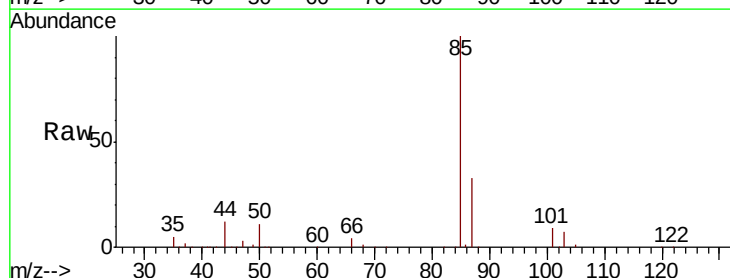
Acq: 15 Aug 2018 01:15

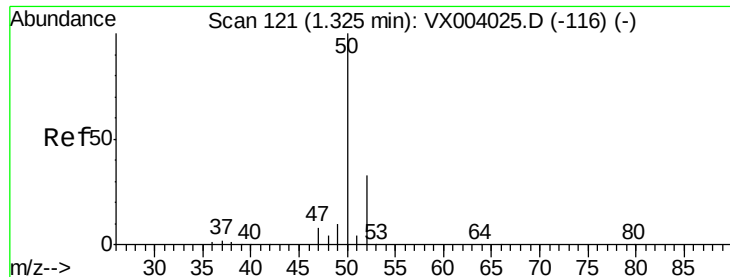
Tgt Ion: 85 Resp: 59449

Ion Ratio Lower Upper

85 100

87 32.5 16.0 48.0





#3

Chloromethane

Concen: 19.09 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004049.D

Acq: 15 Aug 2018 01:15

Instrument :

MSVOA_X

ClientSampleId :

VX0814WBSD02

Tot Ion: 50 Resp: 68459

Ion Ratio Lower Upper

50 100

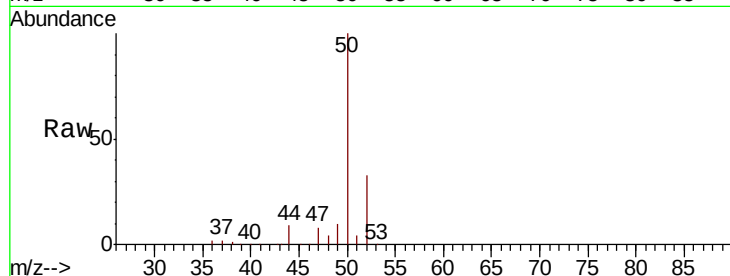
52 33.1 26.6 39.8

Manual Integrations

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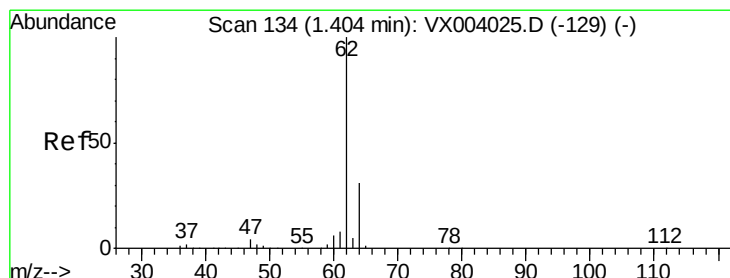
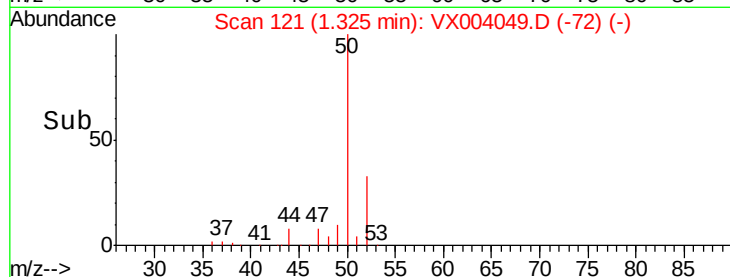
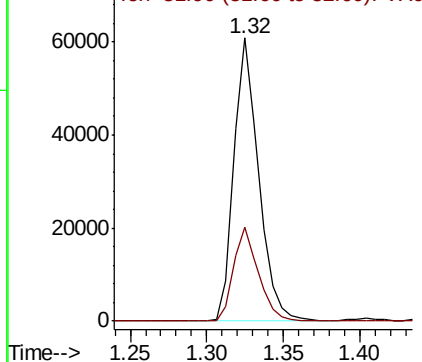
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.49 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004049.D

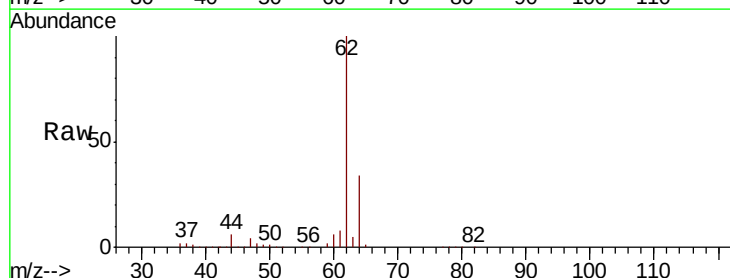
Acq: 15 Aug 2018 01:15

Tgt Ion: 62 Resp: 75631

Ion Ratio Lower Upper

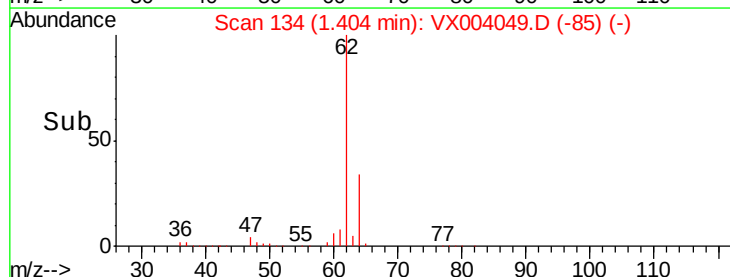
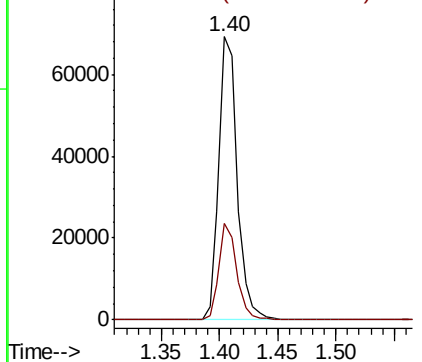
62 100

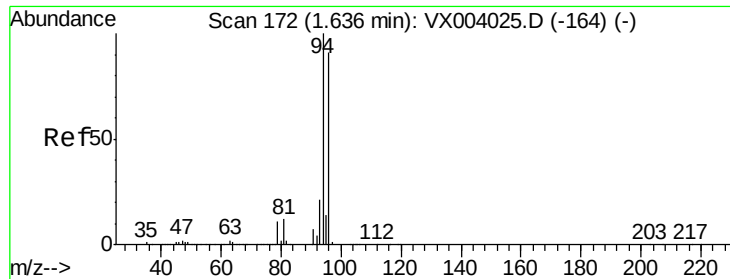
64 33.9 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 22.85 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX004049.D

Acq: 15 Aug 2018 01:15

Instrument :

MSVOA_X

ClientSampleId :

VX0814WBSD02

Tot Ion: 94 Resp: 45123

Ion Ratio Lower Upper

94 100

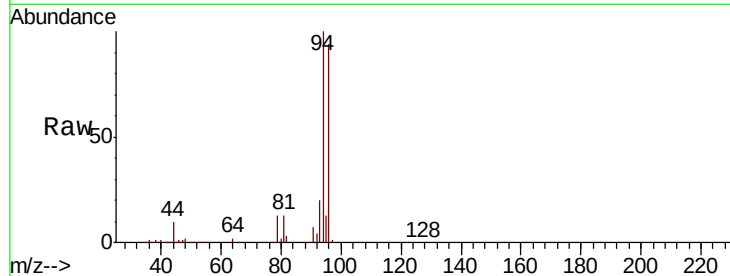
96 94.1 75.2 112.8

Manual Integrations

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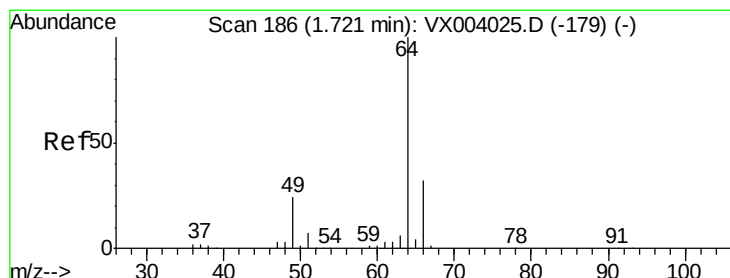
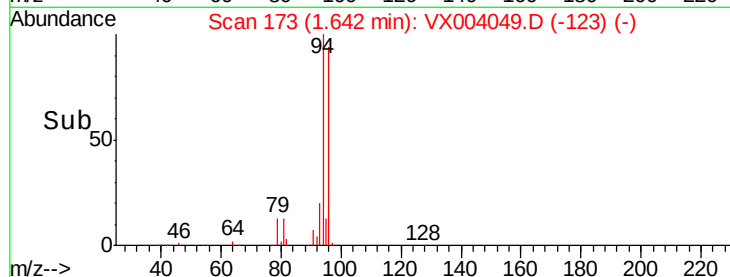
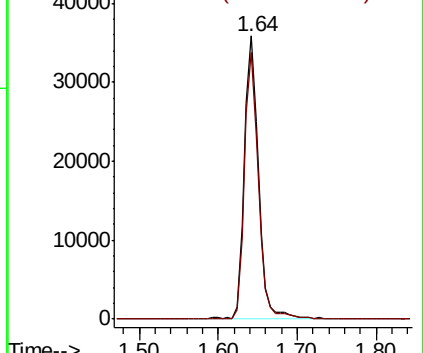
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.70 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX004049.D

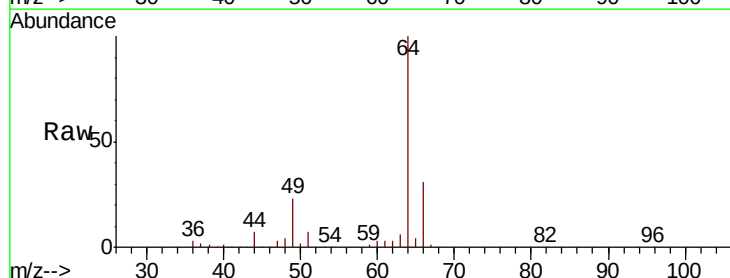
Acq: 15 Aug 2018 01:15

Tgt Ion: 64 Resp: 53022

Ion Ratio Lower Upper

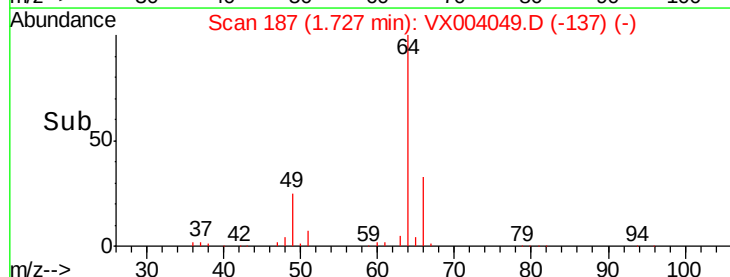
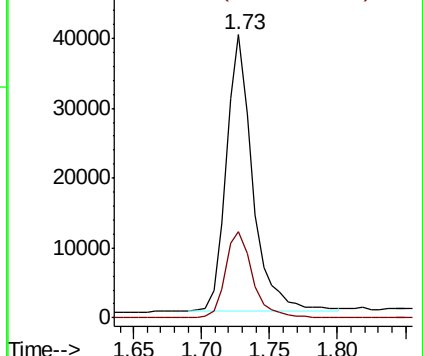
64 100

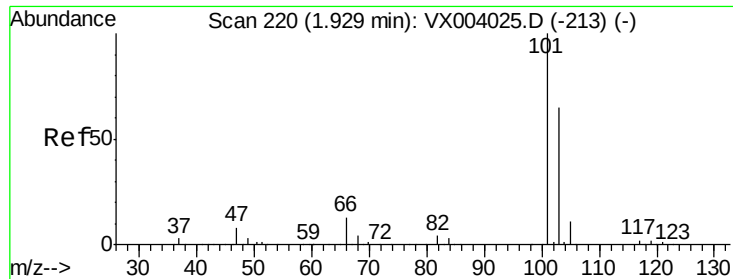
66 31.1 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 19.49 ug/l

RT: 1.93 min Scan# 221

Delta R.T. 0.01 min

Lab File: VX004049.D

Acq: 15 Aug 2018 01:15

Instrument :

MSVOA_X

ClientSampleId :

VX0814WBSD02

Tot Ion:101 Resp: 106078

Ion Ratio Lower Upper

101 100

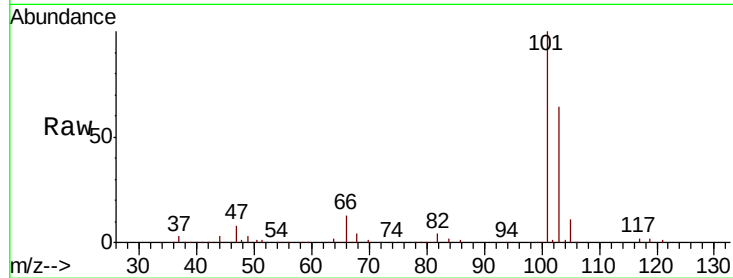
103 64.1 52.3 78.5

Manual Integrations

APPROVED

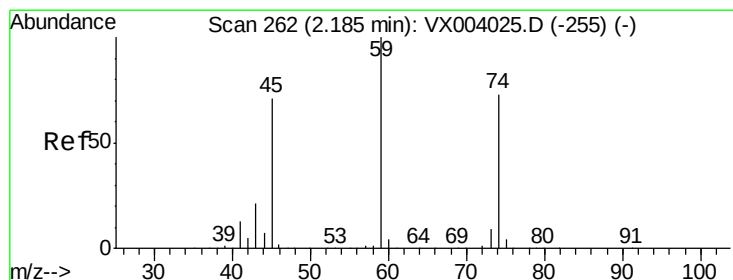
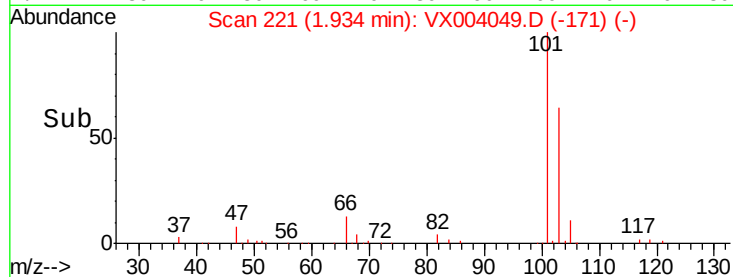
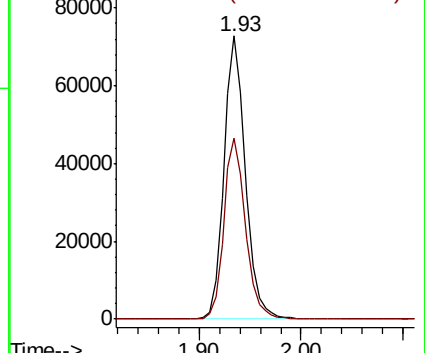
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 19.53 ug/l

RT: 2.18 min Scan# 262

Delta R.T. -0.00 min

Lab File: VX004049.D

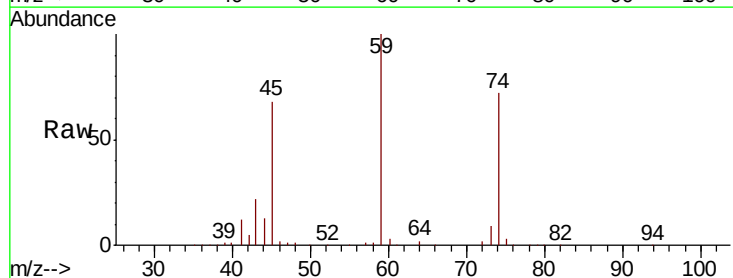
Acq: 15 Aug 2018 01:15

Tgt Ion: 74 Resp: 46401

Ion Ratio Lower Upper

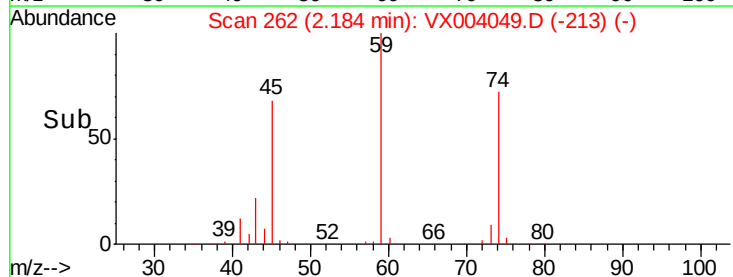
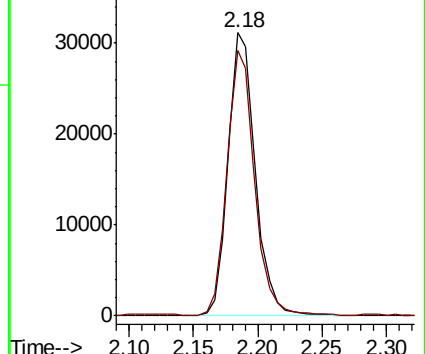
74 100

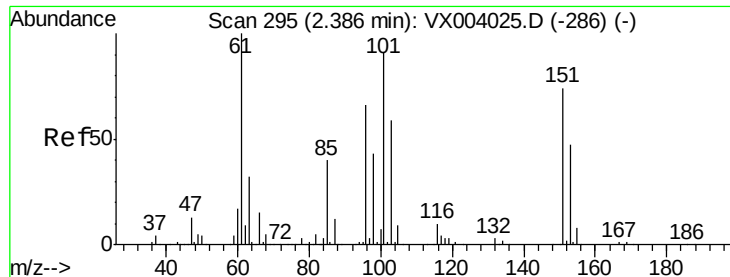
45 94.0 48.3 144.9



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.08 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX004049.D

Acq: 15 Aug 2018 01:15

Instrument :

MSVOA_X

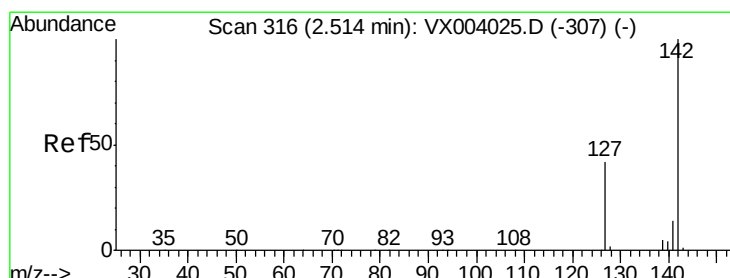
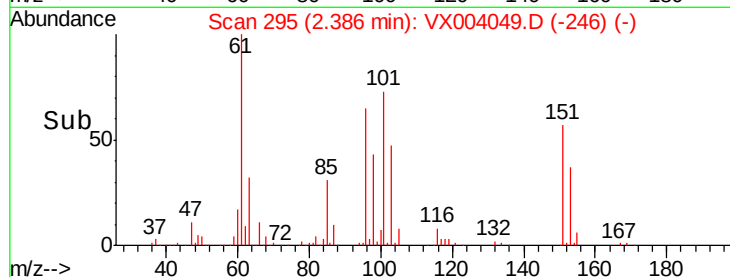
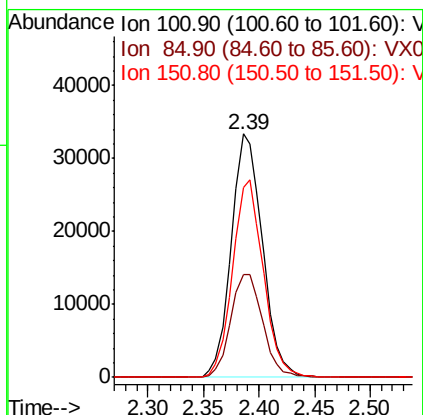
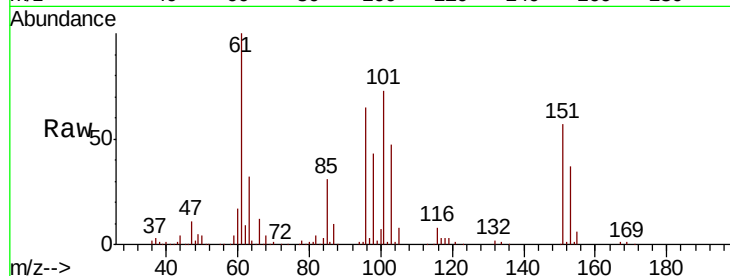
ClientSampleId :

VX0814WBSD02

Tot Ion:	101	Resp:	64796
Ion Ratio	Lower	Upper	
101	100		
85	43.4	34.2	51.4
151	80.1	65.0	97.4

Manual Integrations
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8/15/2018 4:49:57 PM



#10

Methyl Iodide

Concen: 20.81 ug/l

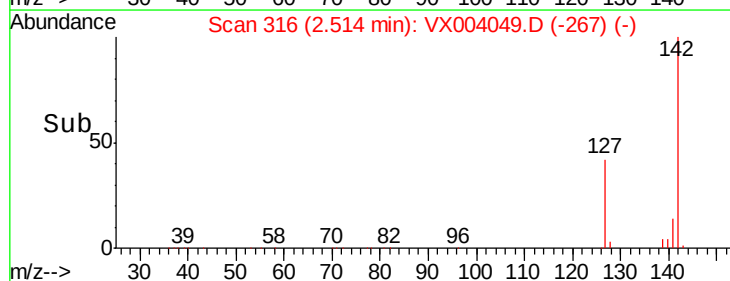
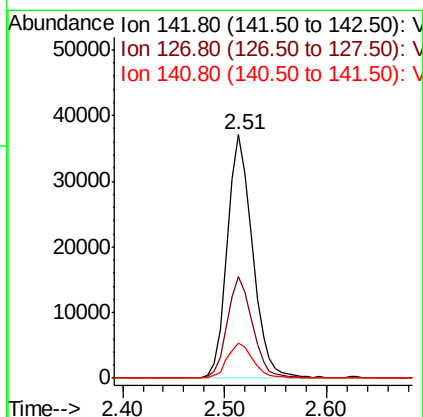
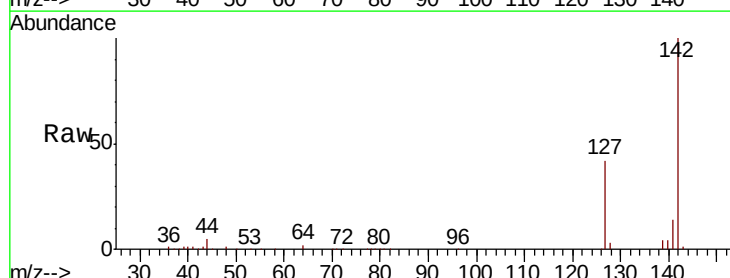
RT: 2.51 min Scan# 316

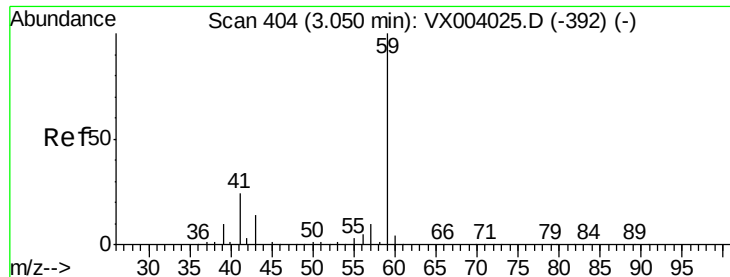
Delta R.T. 0.00 min

Lab File: VX004049.D

Acq: 15 Aug 2018 01:15

Tgt Ion:	142	Resp:	63695
Ion Ratio	Lower	Upper	
142	100		
127	41.6	33.1	49.7
141	14.4	11.1	16.7





#11

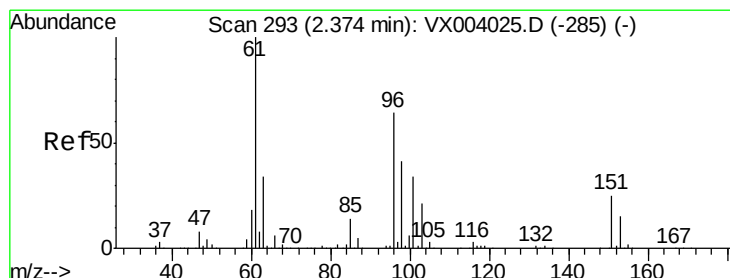
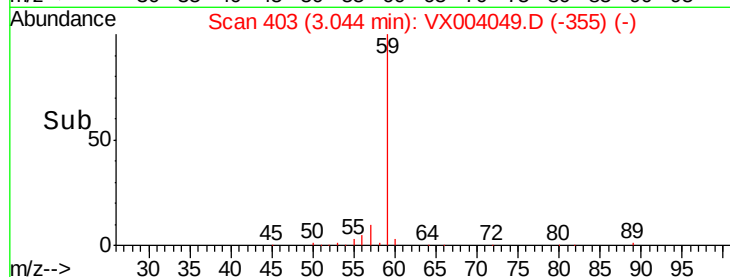
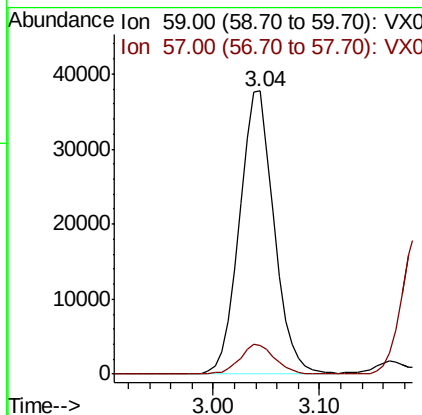
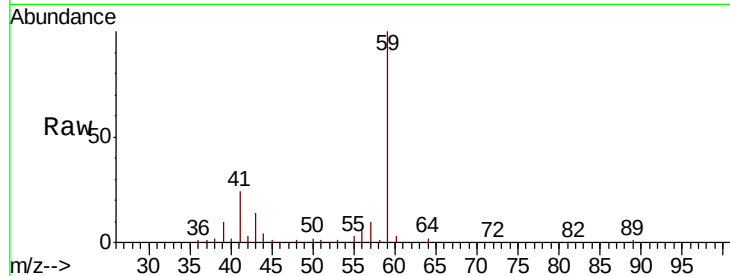
Tert butyl alcohol
 Concen: 101.24 ug/l
 RT: 3.04 min Scan# 403
 Delta R.T. -0.01 min
 Lab File: VX004049.D
 Acq: 15 Aug 2018 01:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0814WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.1	12.1

Manual Integrations
 APPROVED

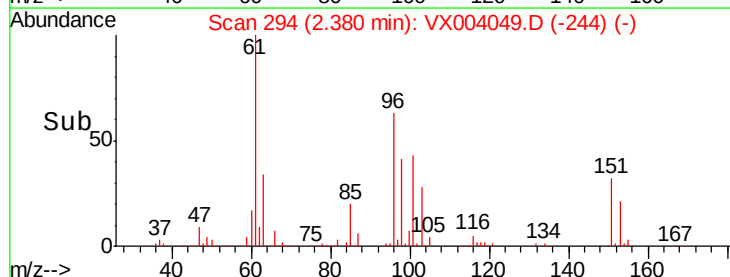
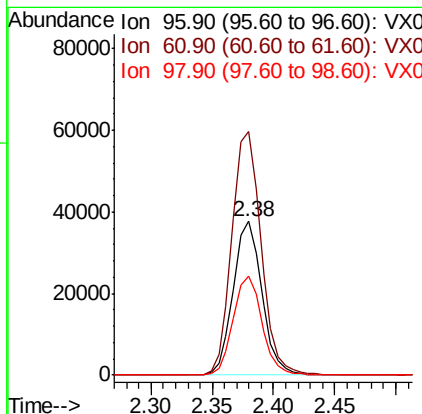
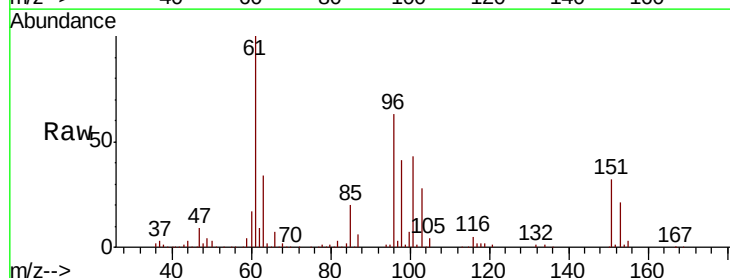
MMDadoda
 8/15/2018 4:49:57 PM

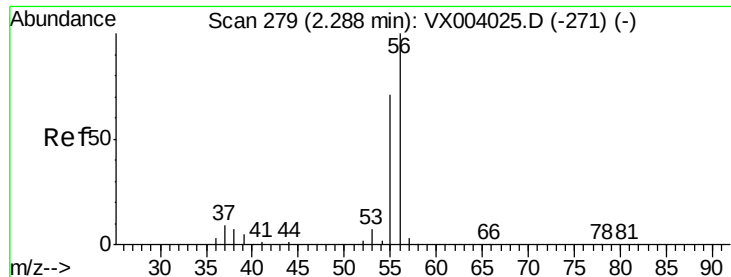


#12

1,1-Dichloroethene
 Concen: 19.43 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. 0.01 min
 Lab File: VX004049.D
 Acq: 15 Aug 2018 01:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.2	131.3	196.9
98	64.3	51.8	77.6





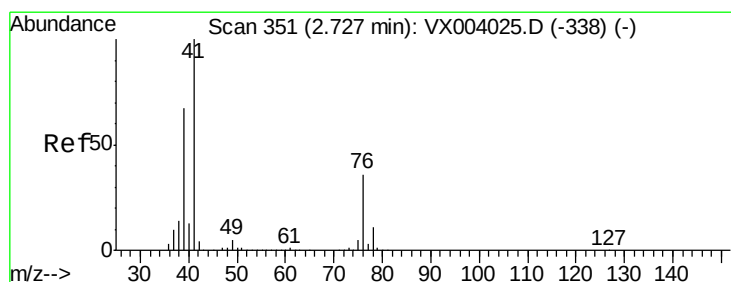
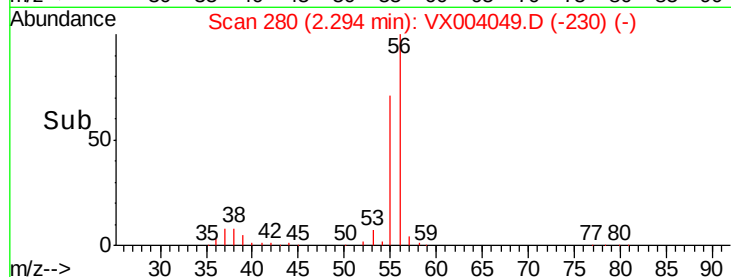
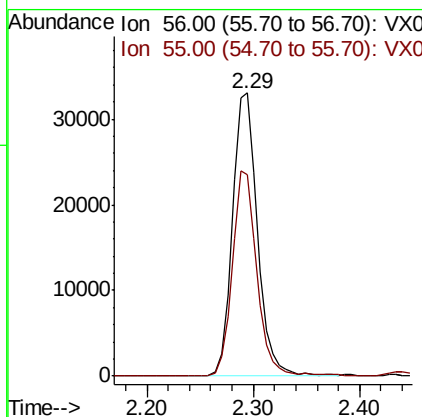
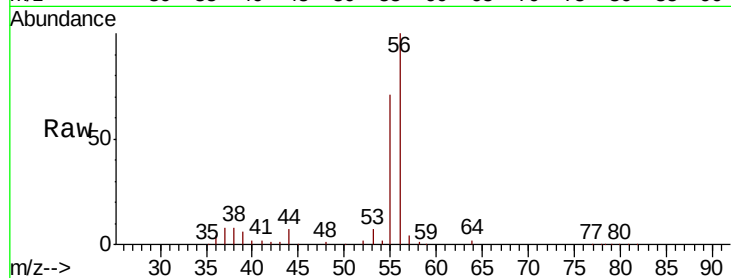
#13
Acrolein
Concen: 101.05 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX004049.D
Acq: 15 Aug 2018 01:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBSD02

Tot Ion: 56 Resp: 54449
Ion Ratio Lower Upper
56 100
55 70.3 56.1 84.1

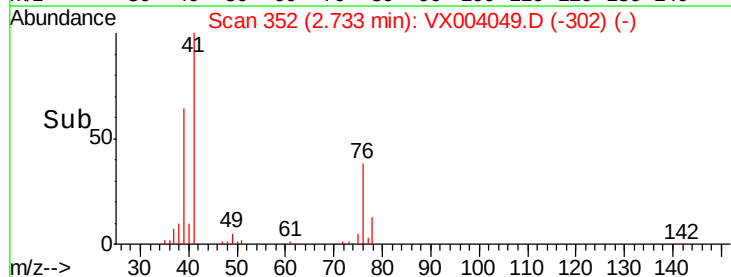
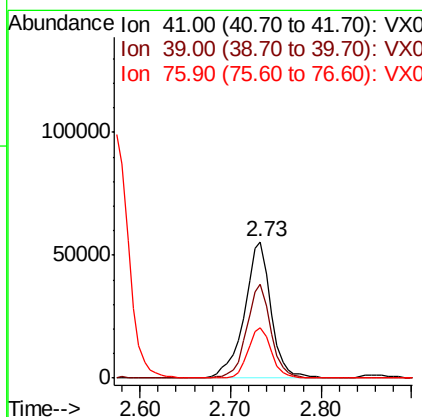
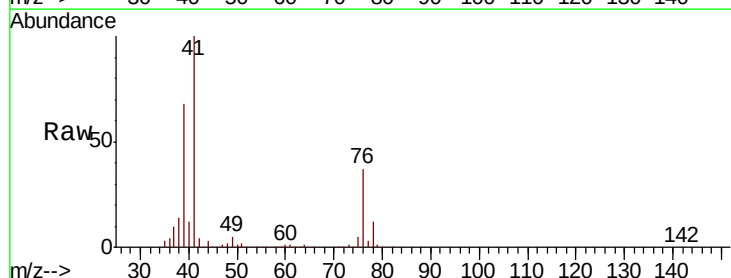
Manual Integrations
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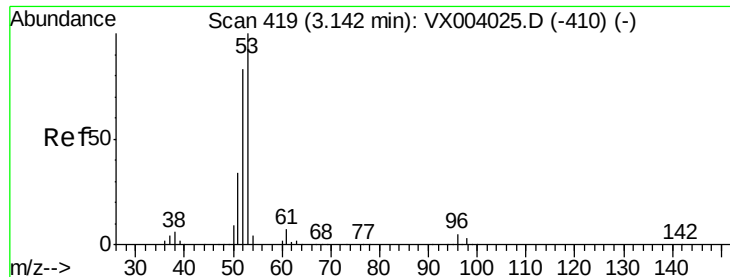
MMDadoda
8/15/2018 4:49:57 PM



#14
Allyl chloride
Concen: 18.62 ug/l
RT: 2.73 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX004049.D
Acq: 15 Aug 2018 01:15

Tgt Ion: 41 Resp: 111860
Ion Ratio Lower Upper
41 100
39 62.5 47.4 71.0
76 32.8 26.0 39.0





#15

Acrylonitrile

Concen: 103.48 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.00 min

Lab File: VX004049.D

Acq: 15 Aug 2018 01:15

Instrument :

MSVOA_X

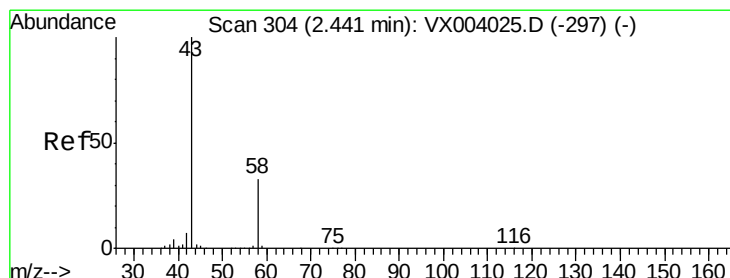
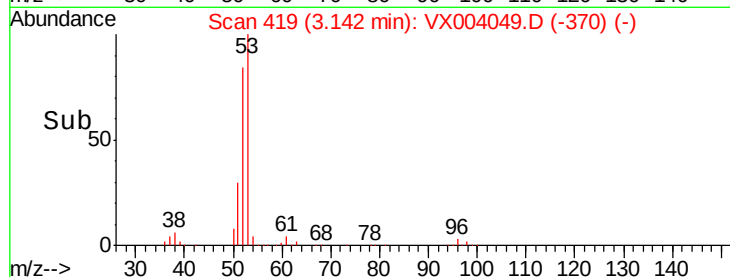
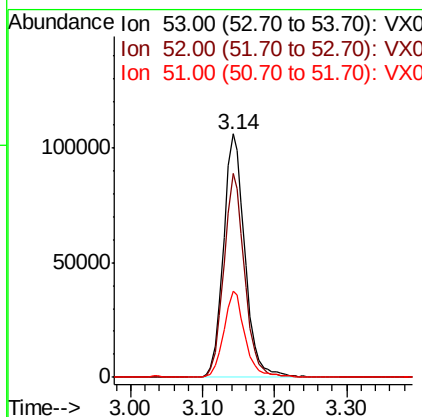
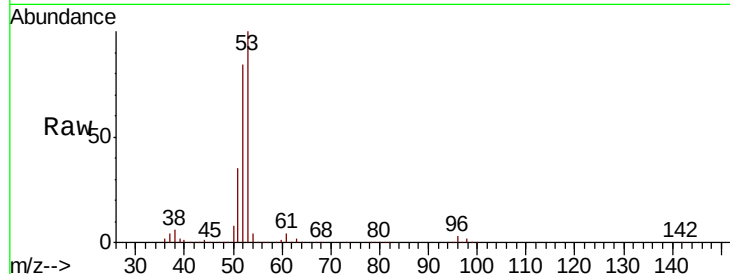
ClientSampleId :

VX0814WBSD02

Tot Ion:	53	Resp:	219749
Ion Ratio	Lower	Upper	
53	100		
52	80.8	65.3	97.9
51	35.0	27.9	41.9

Manual Integrations
APPROVED

MMDadoda
8/15/2018 4:49:57 PM



#16

Acetone

Concen: 99.00 ug/l

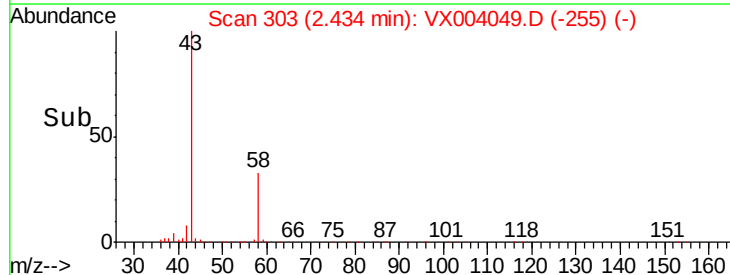
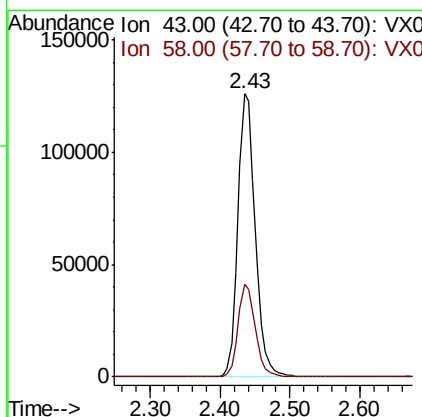
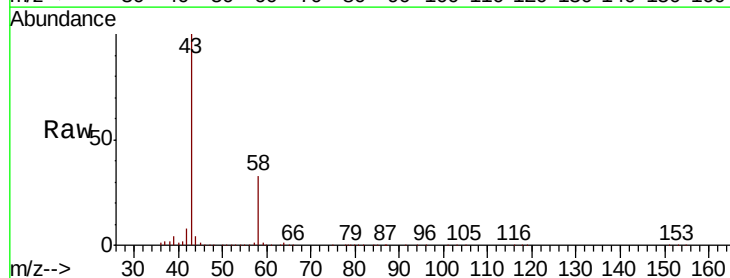
RT: 2.43 min Scan# 303

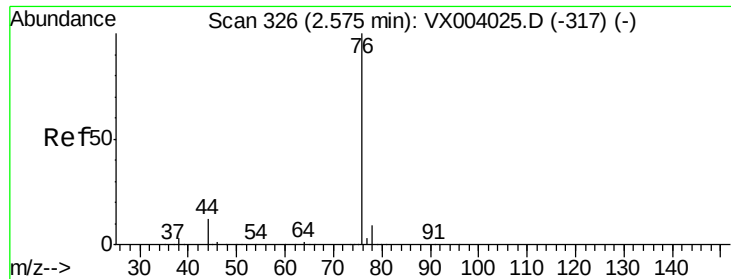
Delta R.T. -0.01 min

Lab File: VX004049.D

Acq: 15 Aug 2018 01:15

Tgt Ion:	43	Resp:	217705
Ion Ratio	Lower	Upper	
43	100		
58	32.8	26.4	39.6





#17

Carbon Disulfide

Concen: 18.79 ug/l

RT: 2.57 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX004049.D

Acq: 15 Aug 2018 01:15

Instrument :

MSVOA_X

ClientSampleId :

VX0814WBSD02

Tot Ion: 76 Resp: 168295

Ion Ratio Lower Upper

76 100

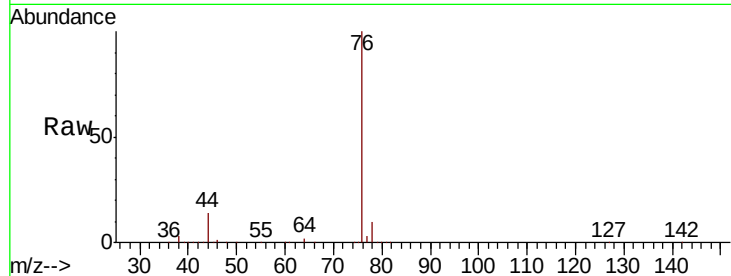
78 9.9 7.5 11.3

Manual Integrations

APPROVED

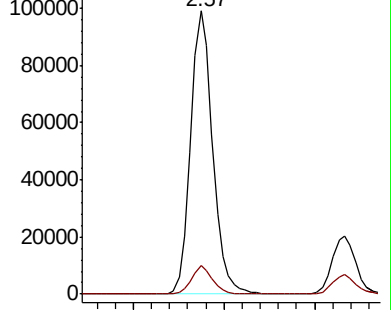
MMDadoda

8/15/2018 4:49:57 PM

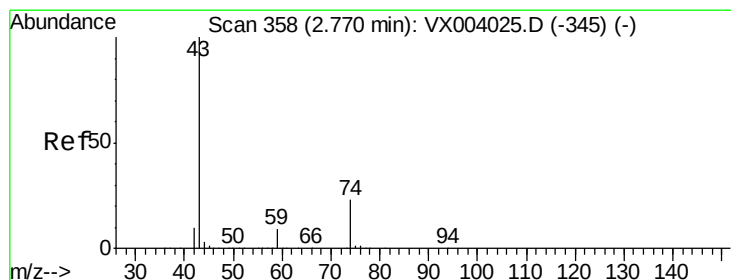
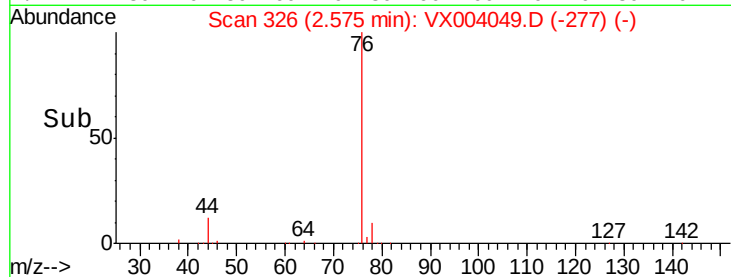


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#18

Methyl Acetate

Concen: 19.39 ug/l

RT: 2.77 min Scan# 358

Delta R.T. -0.00 min

Lab File: VX004049.D

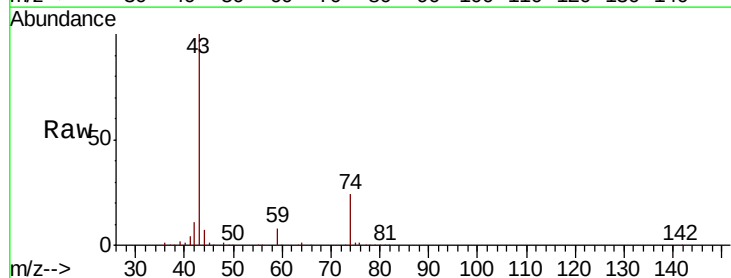
Acq: 15 Aug 2018 01:15

Tgt Ion: 43 Resp: 94742

Ion Ratio Lower Upper

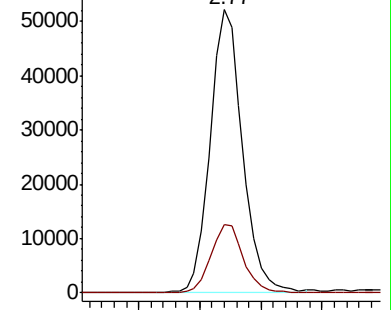
43 100

74 24.8 18.9 28.3

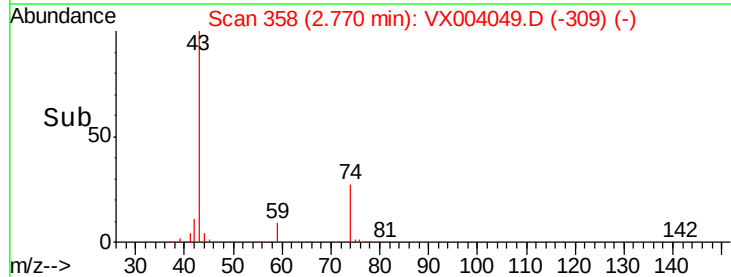


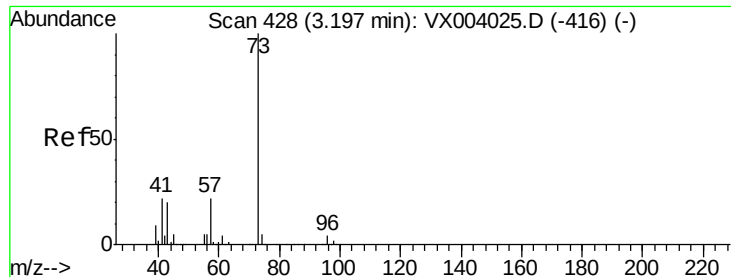
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



Time-->





#19

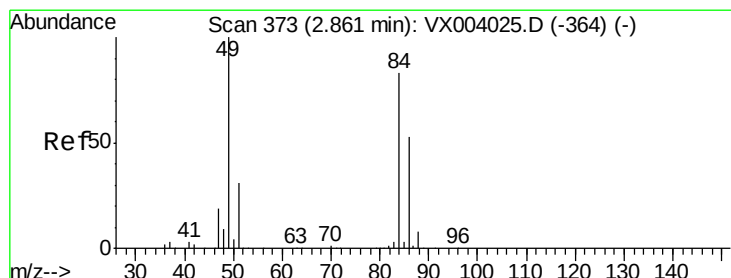
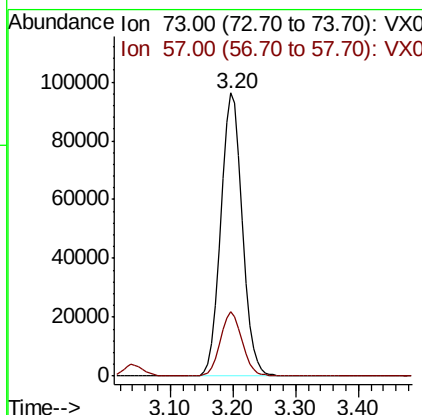
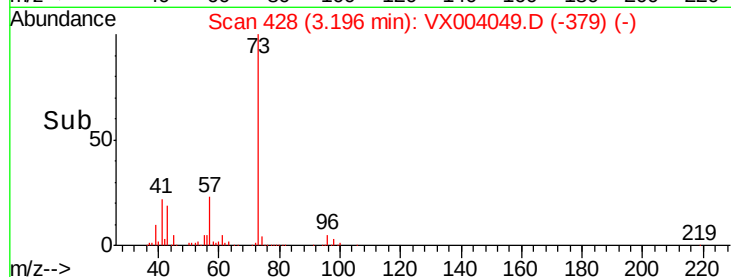
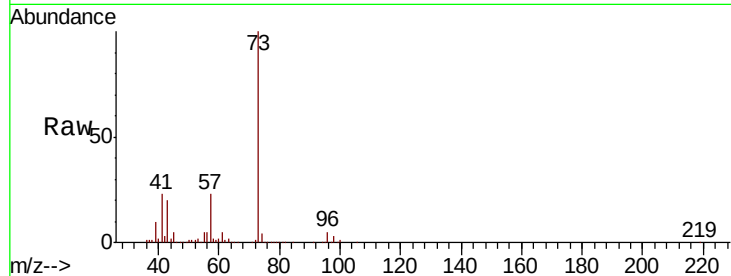
Methyl tert-butyl Ether
 Concen: 20.55 ug/l
 RT: 3.20 min Scan# 428
 Delta R.T. -0.00 min
 Lab File: VX004049.D
 Acq: 15 Aug 2018 01:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0814WBSD02

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.0	27.0

Manual Integrations
 APPROVED

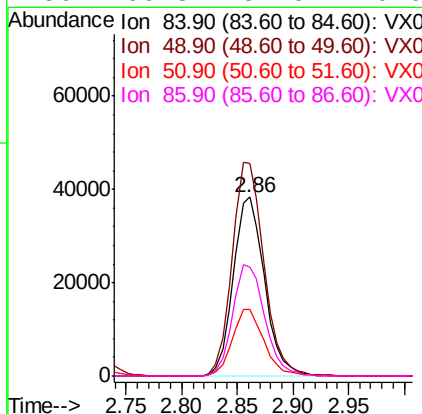
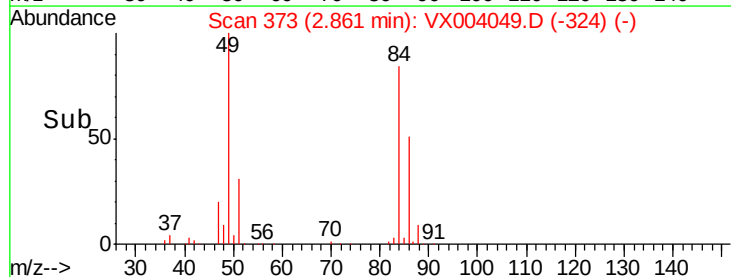
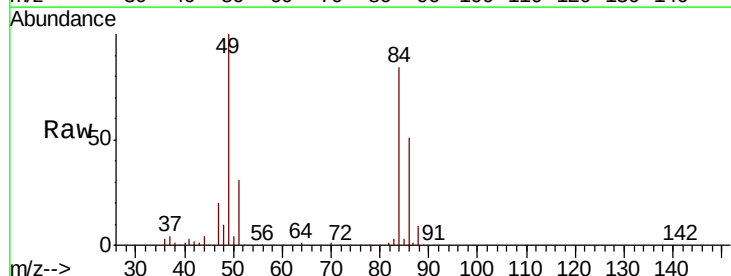
MMDadoda
 8/15/2018 4:49:57 PM

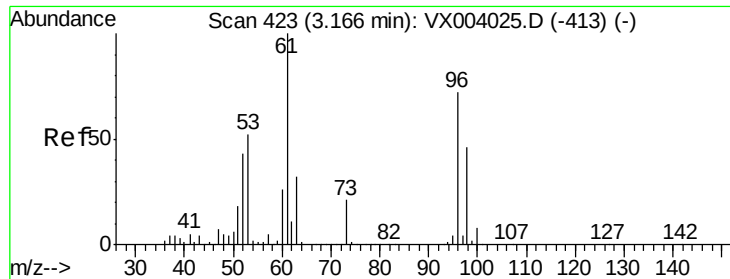


#20

Methylene Chloride
 Concen: 20.42 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. 0.00 min
 Lab File: VX004049.D
 Acq: 15 Aug 2018 01:15

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.0	98.9	148.3
51	37.3	29.9	44.9
86	60.8	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 19.80 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX004049.D

Acq: 15 Aug 2018 01:15

Instrument :

MSVOA_X

ClientSampleId :

VX0814WBSD02

Tot Ion: 96 Resp: 71027

Ion Ratio Lower Upper

96 100

61 146.2 111.8 167.6

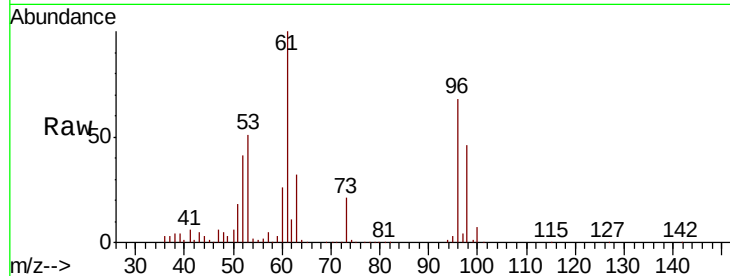
98 67.1 51.8 77.6

Manual Integrations

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MMDadoda

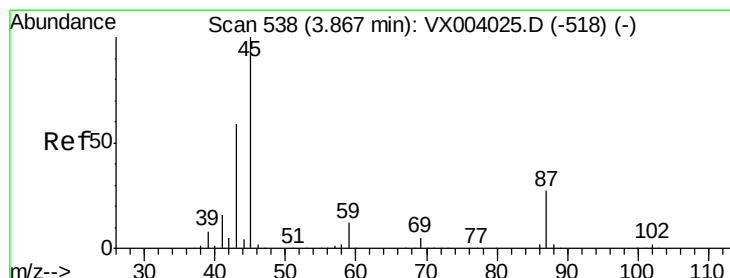
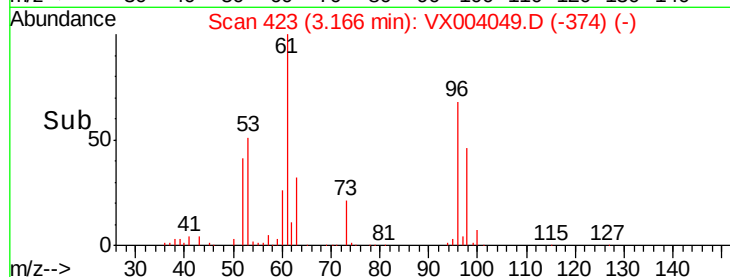
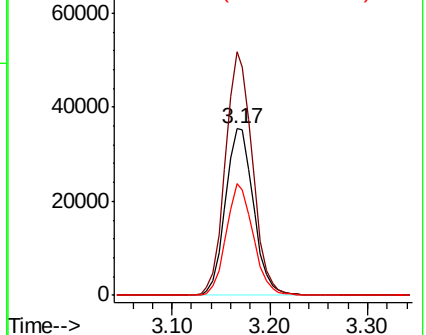
8/15/2018 4:49:57 PM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 20.72 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.00 min

Lab File: VX004049.D

Acq: 15 Aug 2018 01:15

Tgt Ion: 45 Resp: 243995

Ion Ratio Lower Upper

45 100

43 60.2 45.3 67.9

87 27.5 22.7 34.1

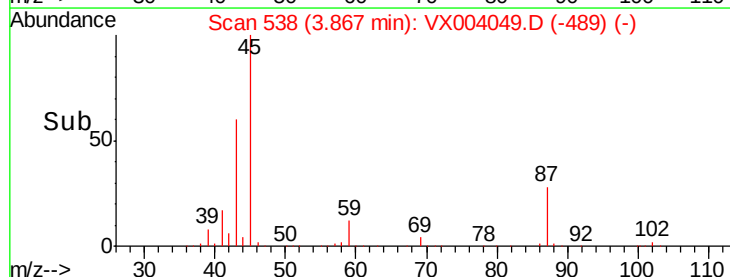
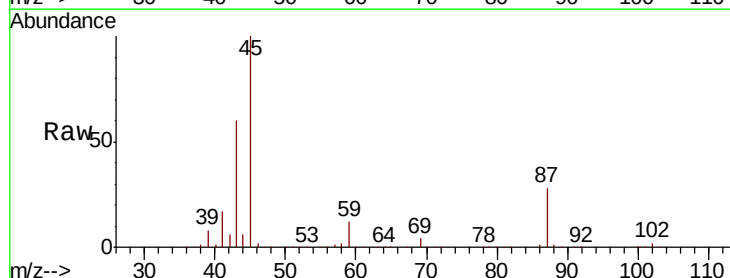
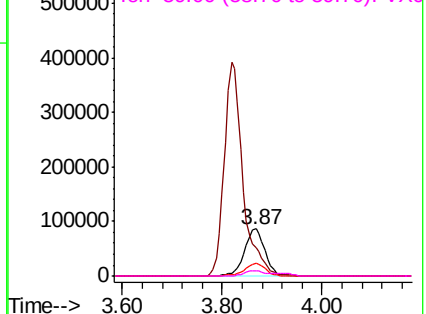
59 12.3 9.6 14.4

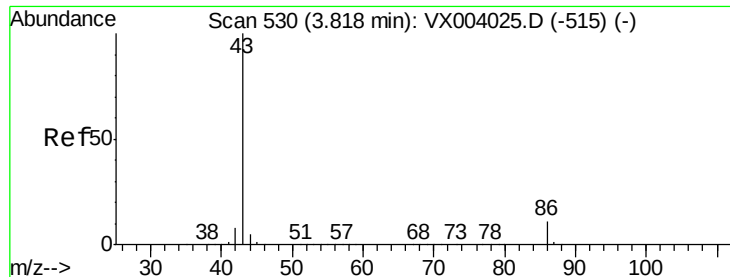
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 105.13 ug/l

RT: 3.82 min Scan# 530

Delta R.T. -0.00 min

Lab File: VX004049.D

Acq: 15 Aug 2018 01:15

Instrument :

MSVOA_X

ClientSampleId :

VX0814WBSD02

Tot Ion: 43 Resp: 1016668

Ion Ratio Lower Upper

43 100

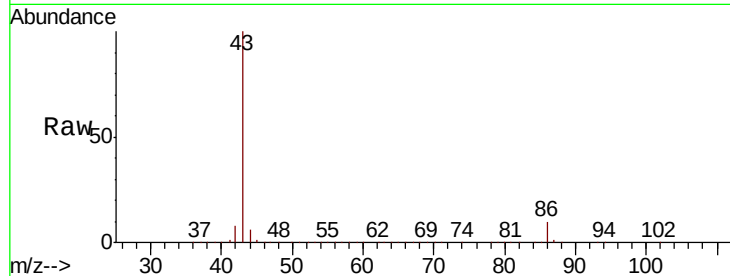
86 10.2 8.9 13.3

Manual Integrations

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8/15/2018 4:49:57 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

400000

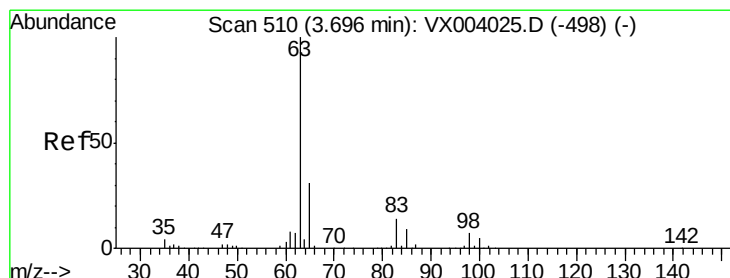
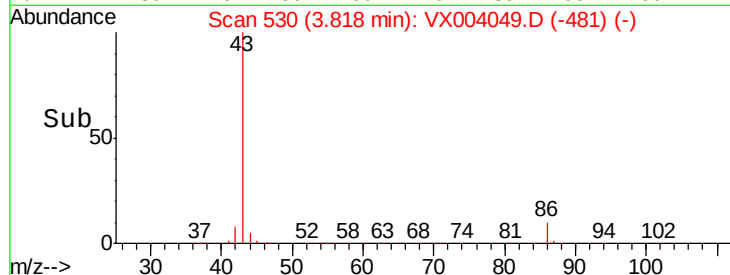
300000

200000

100000

0

Time--> 3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 20.49 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX004049.D

Acq: 15 Aug 2018 01:15

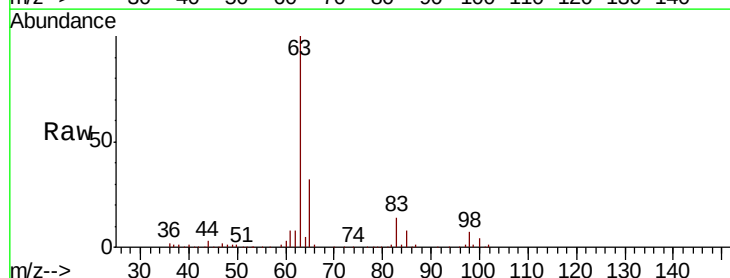
Tgt Ion: 63 Resp: 136644

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

100 4.3 2.3 6.8



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

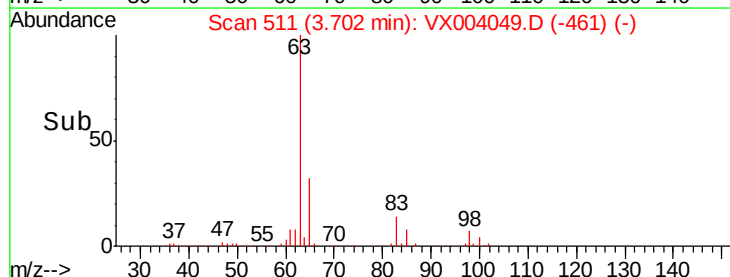
60000

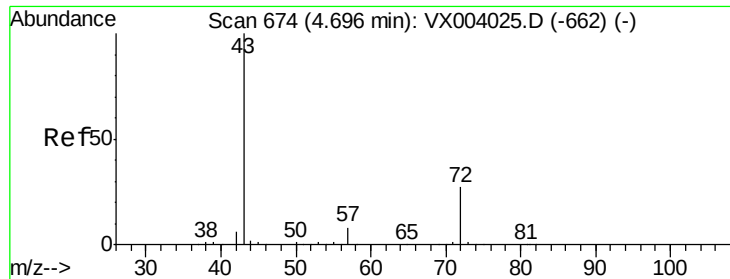
40000

20000

0

Time--> 3.60 3.70 3.80





#25

2-Butanone

Concen: 96.79 ug/l

RT: 4.70 min Scan# 674

Delta R.T. -0.00 min

Lab File: VX004049.D

Acq: 15 Aug 2018 01:15

Instrument :

MSVOA_X

ClientSampleId :

VX0814WBSD02

Tot Ion: 43 Resp: 346296

Ion Ratio Lower Upper

43 100

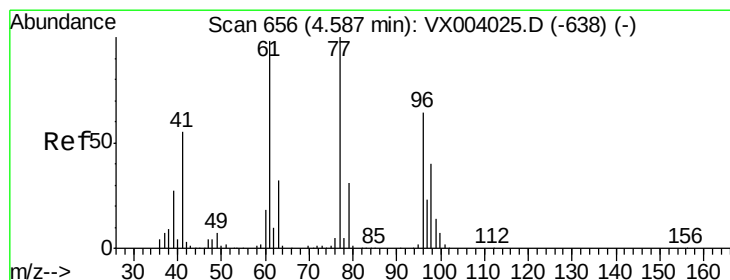
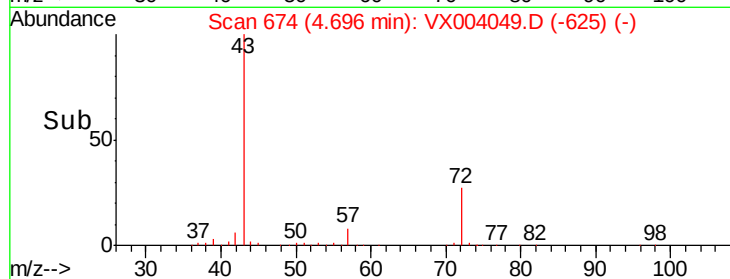
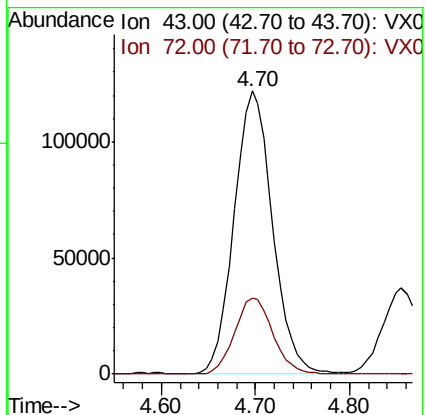
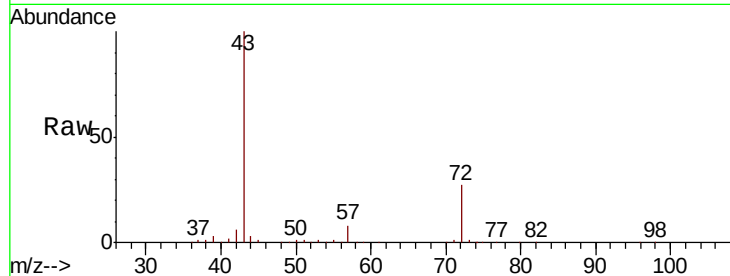
72 26.7 21.4 32.0

Manual Integrations

APPROVED

MMDadoda

8/15/2018 4:49:57 PM



#26

2,2-Dichloropropane

Concen: 13.71 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX004049.D

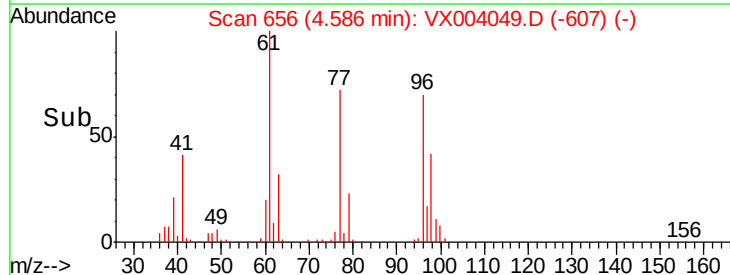
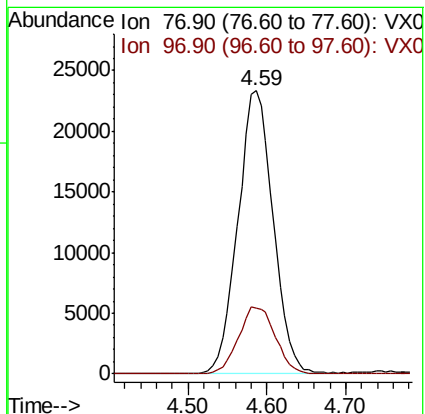
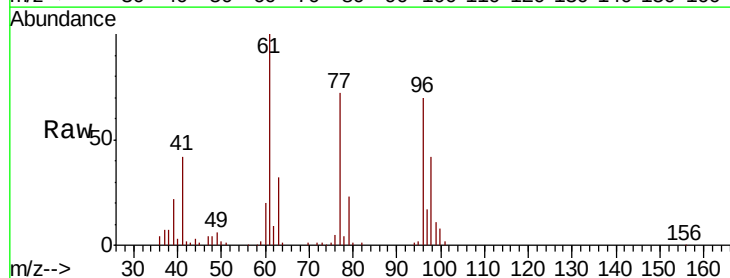
Acq: 15 Aug 2018 01:15

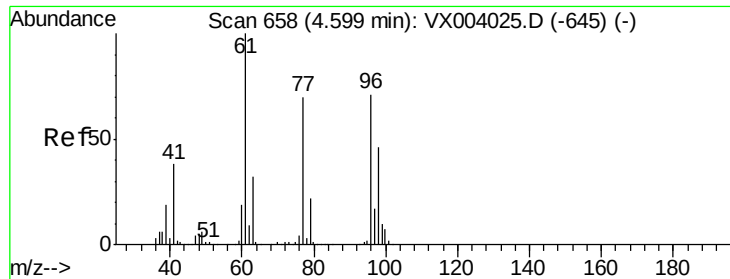
Tgt Ion: 77 Resp: 72697

Ion Ratio Lower Upper

77 100

97 24.6 11.9 35.9





#27

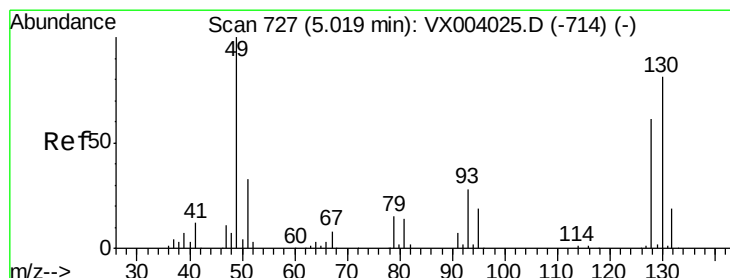
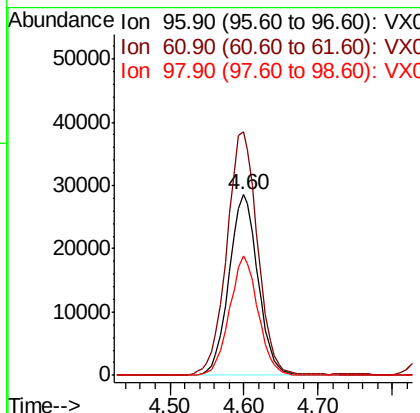
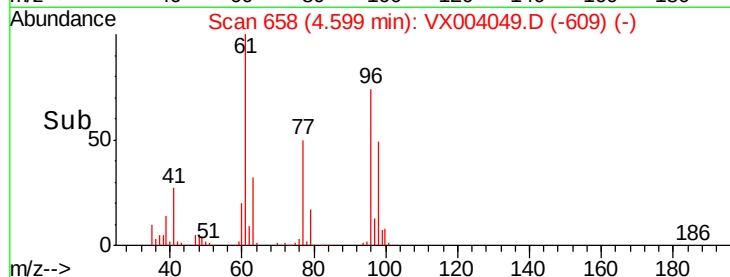
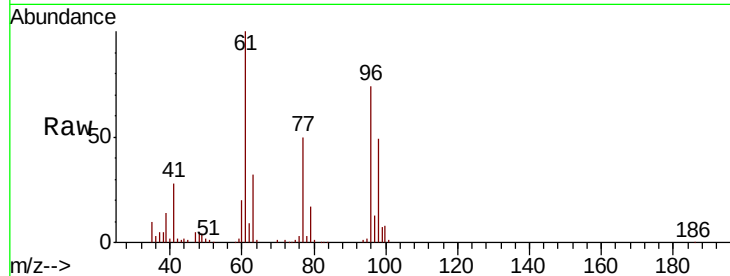
cis-1,2-Dichloroethene
Concen: 19.29 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.00 min
Lab File: VX004049.D
Acq: 15 Aug 2018 01:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.3	0.0	293.0
98	64.7	0.0	131.8

Manual Integrations
APPROVED

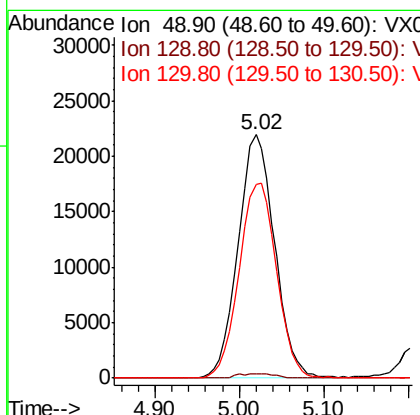
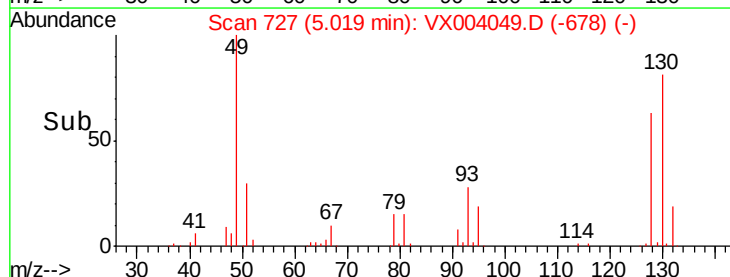
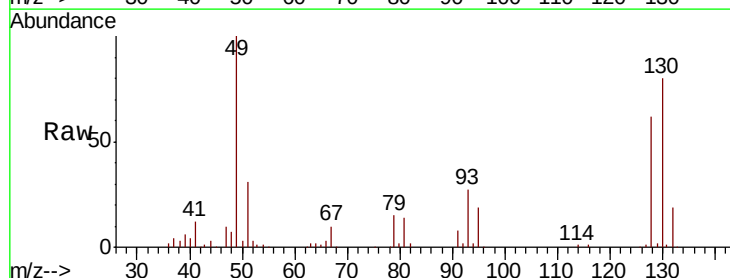
MMDadoda
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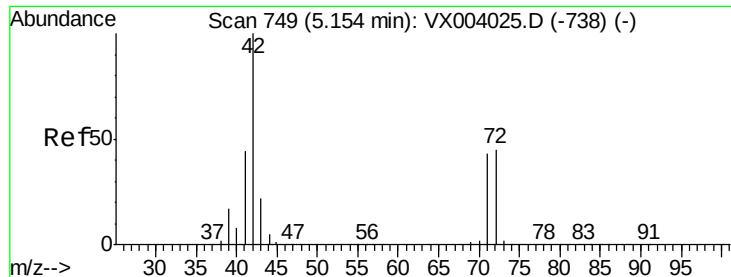


#28

Bromochloromethane
Concen: 21.05 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.00 min
Lab File: VX004049.D
Acq: 15 Aug 2018 01:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	82.3	66.5	99.7





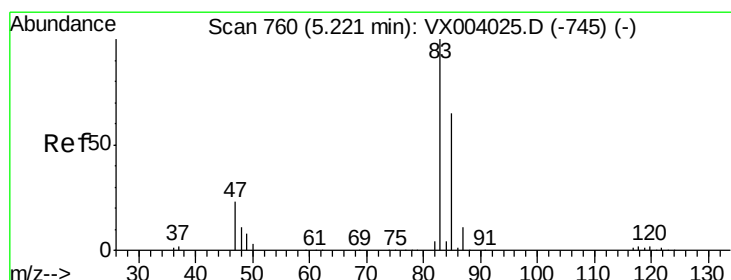
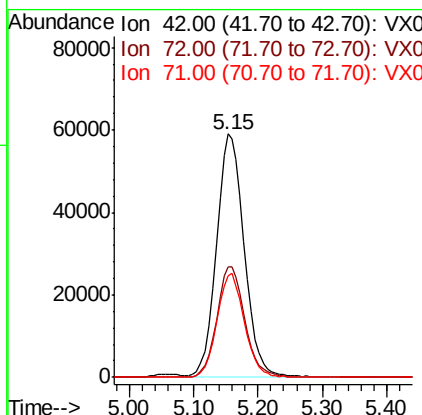
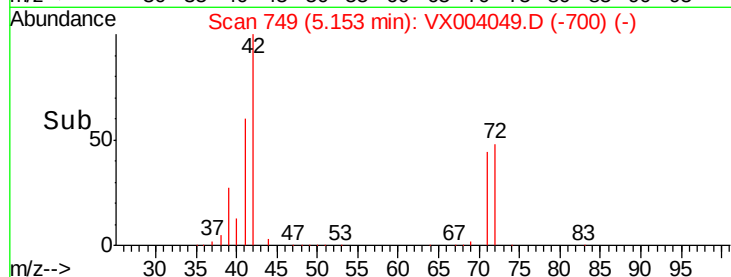
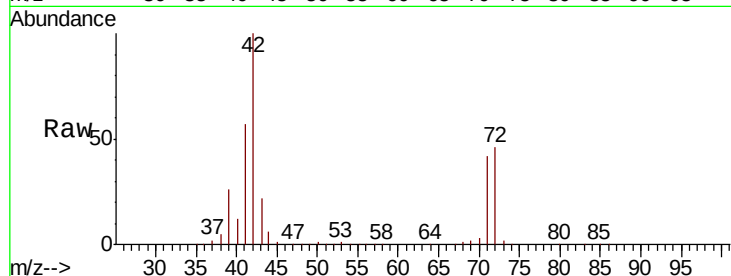
#29
Tetrahydrofuran
Concen: 97.36 ug/l
RT: 5.15 min Scan# 749
Delta R.T. -0.00 min
Lab File: VX004049.D
Acq: 15 Aug 2018 01:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.1	37.7	56.5
71	42.3	35.0	52.6

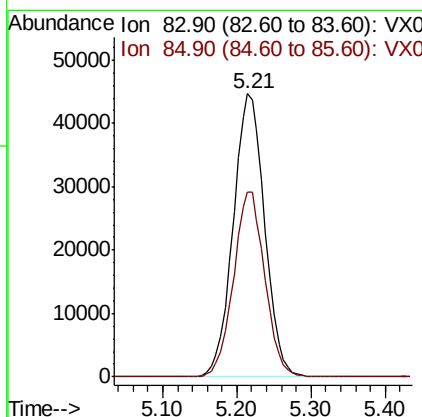
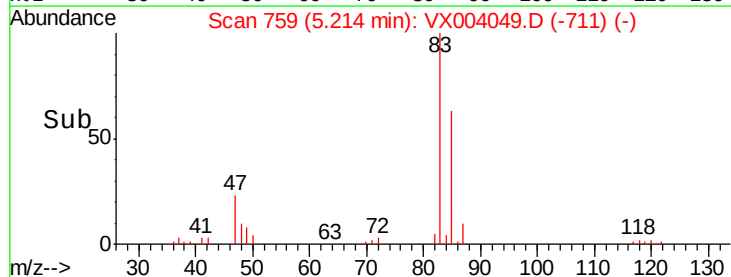
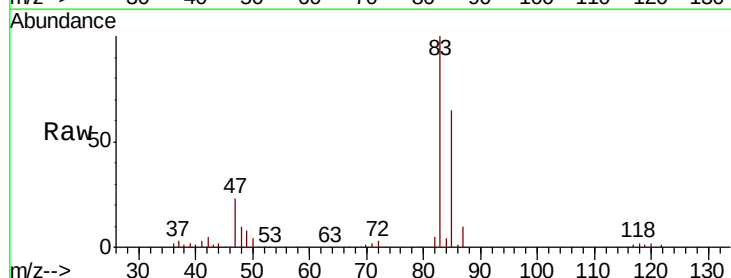
Manual Integrations
APPROVED

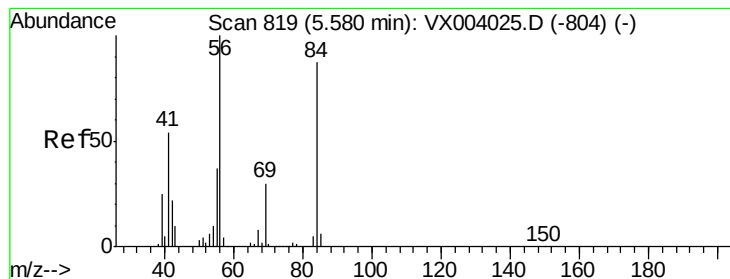
MMDadoda
8/15/2018 4:49:57 PM



#30
Chloroform
Concen: 20.29 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX004049.D
Acq: 15 Aug 2018 01:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.7	76.1





#31

Cyclohexane

Concen: 18.73 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX004049.D

Acq: 15 Aug 2018 01:15

Instrument :

MSVOA_X

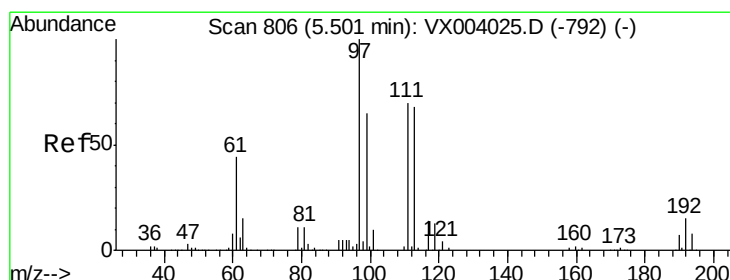
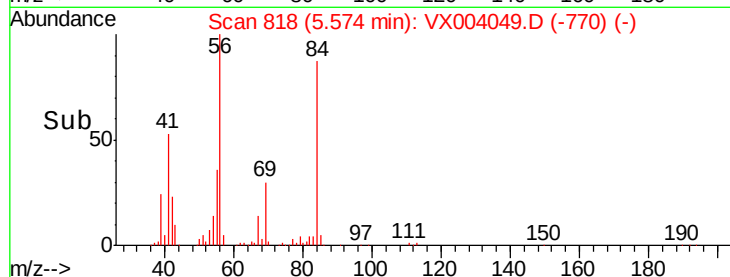
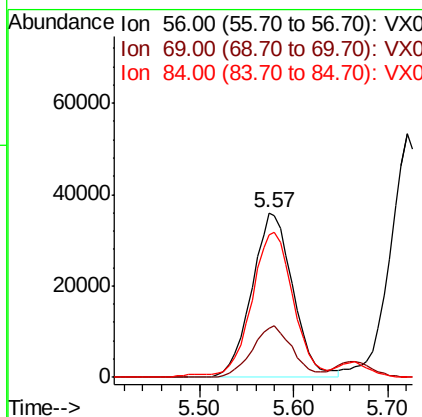
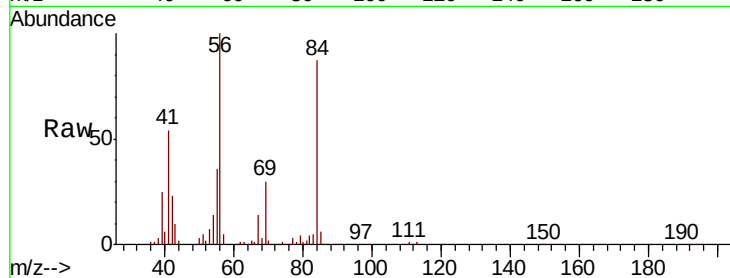
ClientSampled :

VX0814WBSD02

Tot Ion:	56	Resp:	109495
Ion Ratio		Lower	Upper
56	100		
69	30.1	24.9	37.3
84	85.1	71.7	107.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.69 ug/l

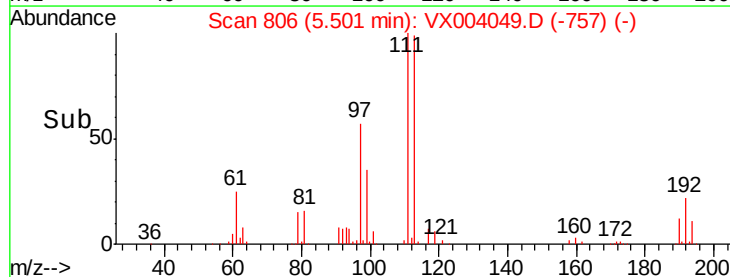
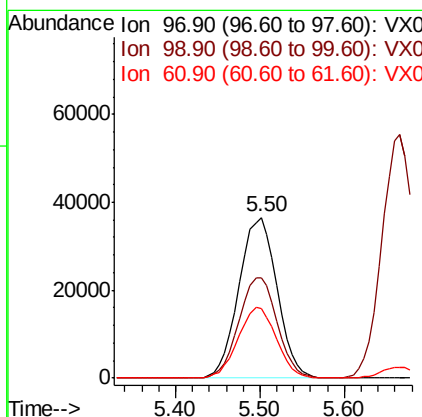
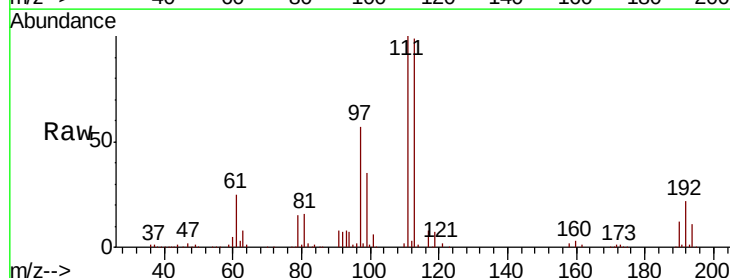
RT: 5.50 min Scan# 806

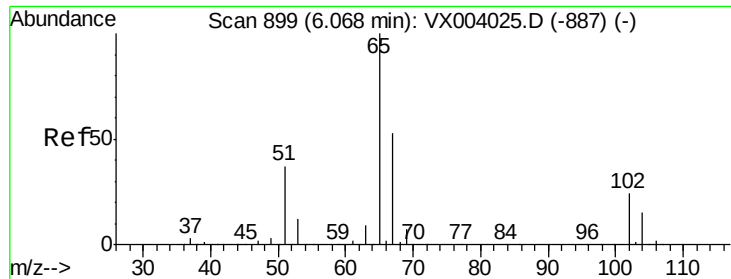
Delta R.T. -0.00 min

Lab File: VX004049.D

Acq: 15 Aug 2018 01:15

Tgt Ion:	97	Resp:	112517
Ion Ratio		Lower	Upper
97	100		
99	63.2	51.8	77.8
61	44.2	34.4	51.6





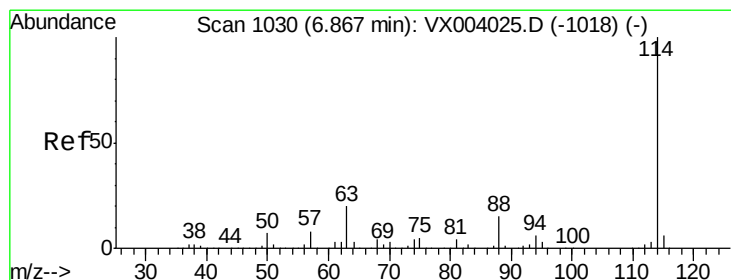
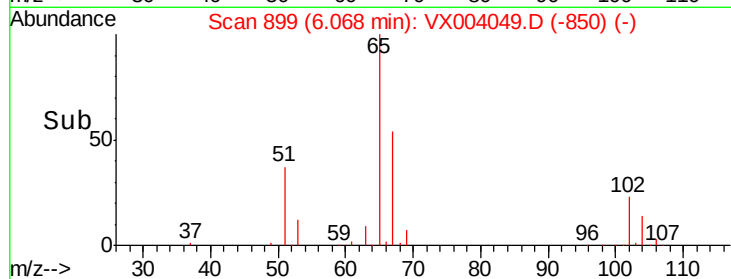
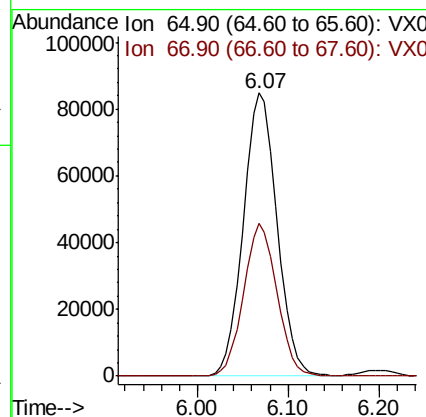
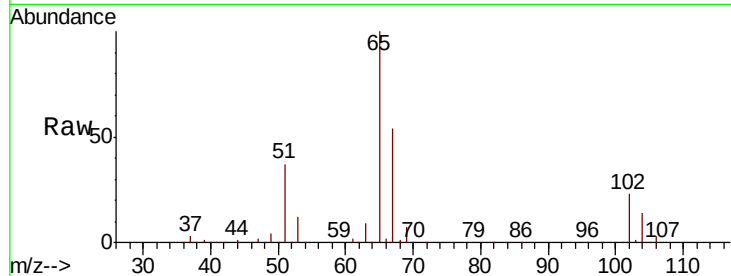
#33
 1,2-Dichloroethane-d4
 Concen: 51.66 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004049.D
 Acq: 15 Aug 2018 01:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0814WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	218479		
67	53.3	0.0	105.8	

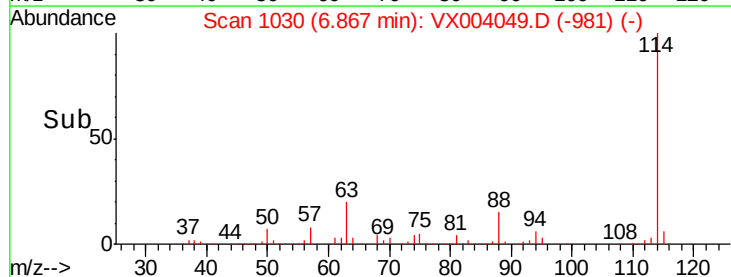
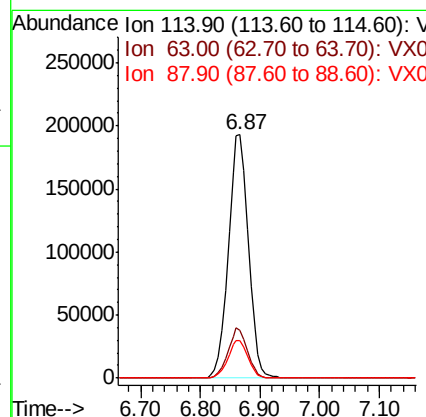
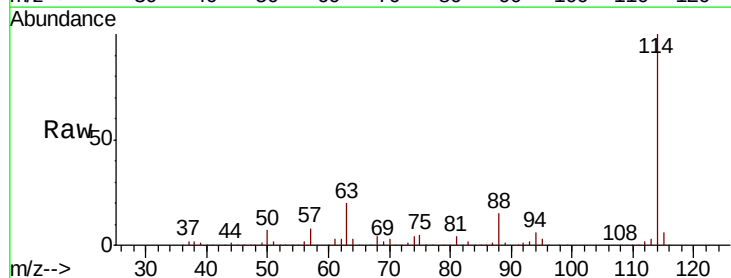
Manual Integrations
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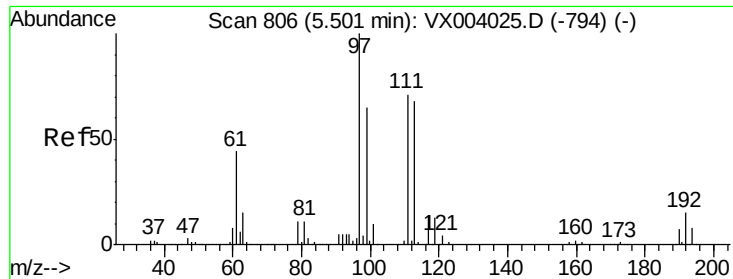
MMDadoda
 8/15/2018 4:49:57 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX004049.D
 Acq: 15 Aug 2018 01:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	450452		
63	19.9	0.0	39.0	
88	15.4	0.0	32.0	





#35

Dibromofluoromethane

Concen: 53.20 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004049.D

Acq: 15 Aug 2018 01:15

Instrument :

MSVOA_X

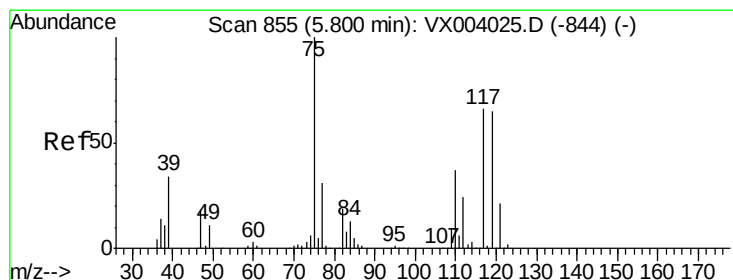
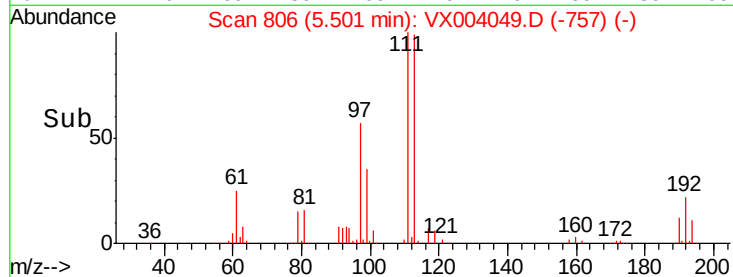
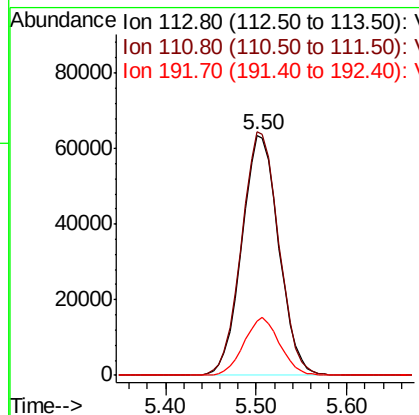
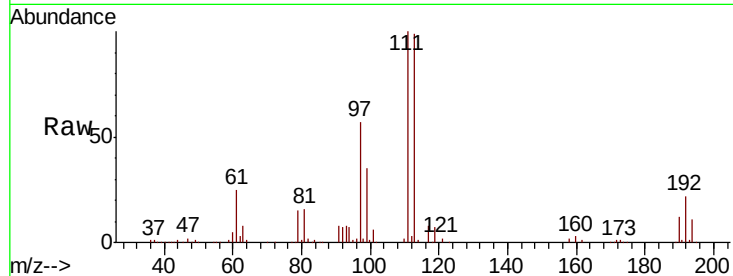
ClientSampleId :

VX0814WBSD02

Tot Ion:	113	Resp:	179353
Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.0	123.0
192	23.4	19.0	28.4

Manual Integrations
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8/15/2018 4:49:57 PM



#36

1,1-Dichloropropene

Concen: 19.00 ug/l

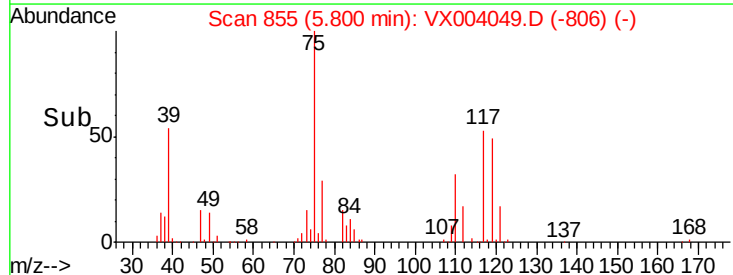
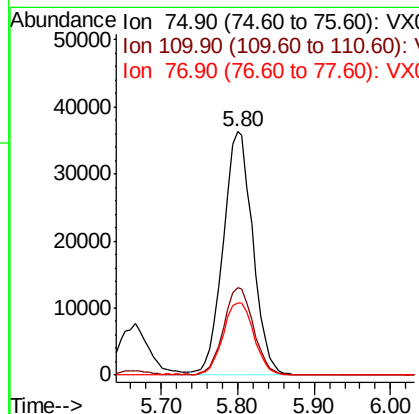
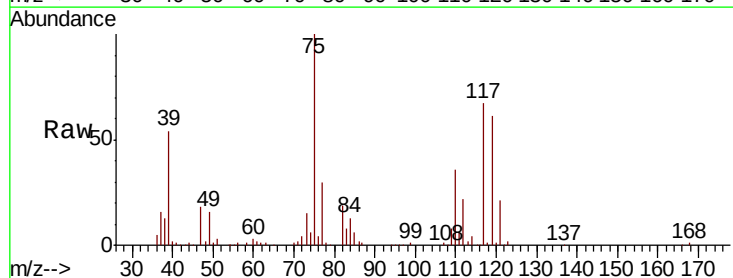
RT: 5.80 min Scan# 855

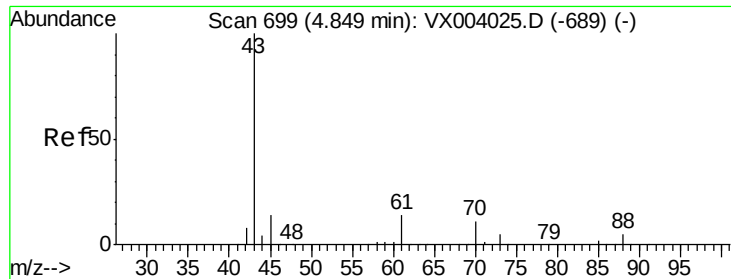
Delta R.T. -0.00 min

Lab File: VX004049.D

Acq: 15 Aug 2018 01:15

Tgt Ion:	75	Resp:	97406
Ion	Ratio	Lower	Upper
75	100		
110	36.3	18.2	54.6
77	31.2	25.0	37.4





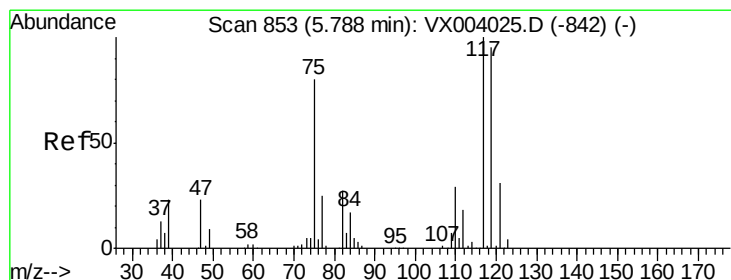
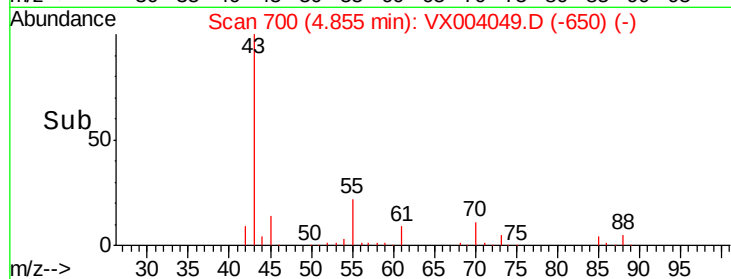
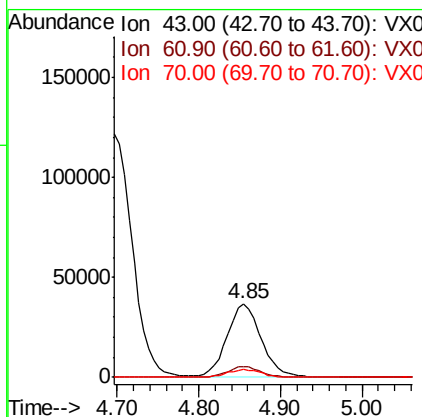
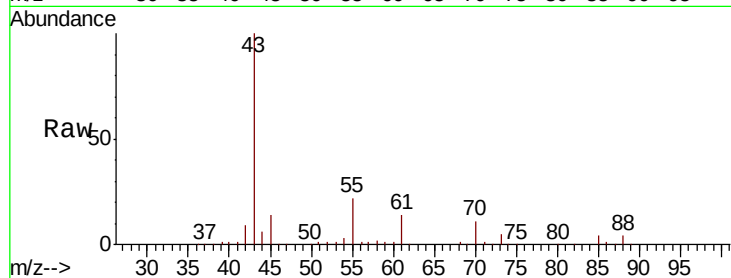
#37
Ethyl Acetate
Concen: 19.05 ug/l
RT: 4.85 min Scan# 700
Delta R.T. 0.01 min
Lab File: VX004049.D
Acq: 15 Aug 2018 01:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.5	17.3
70	11.1	9.0	13.4

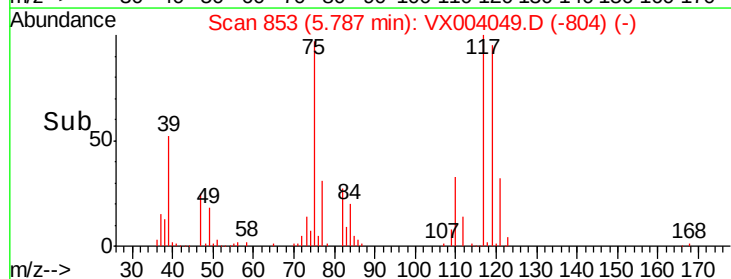
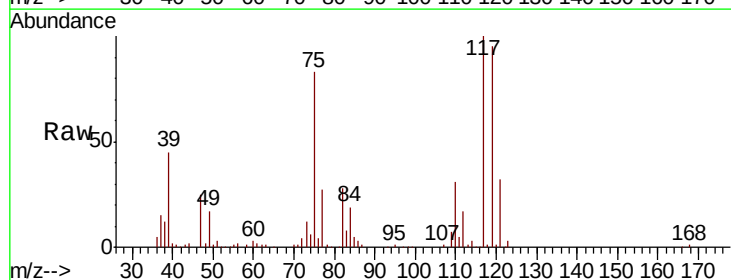
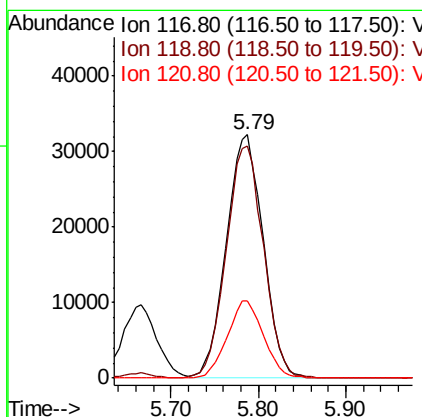
Manual Integrations
APPROVED

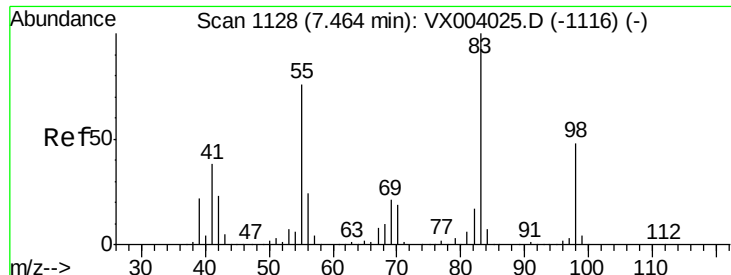
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.98 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX004049.D
Acq: 15 Aug 2018 01:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	79.5	119.3
121	31.5	25.0	37.4





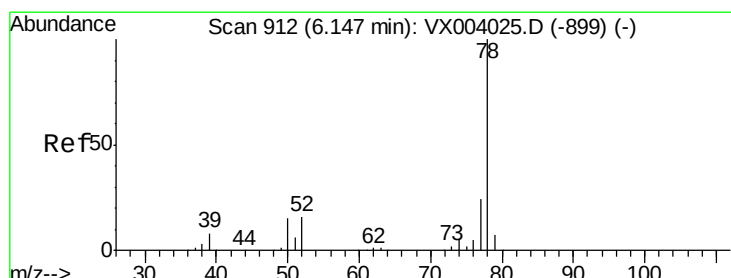
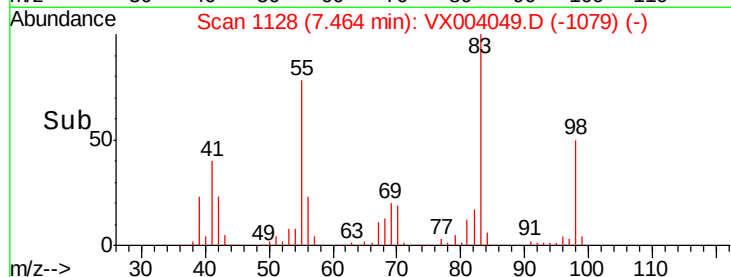
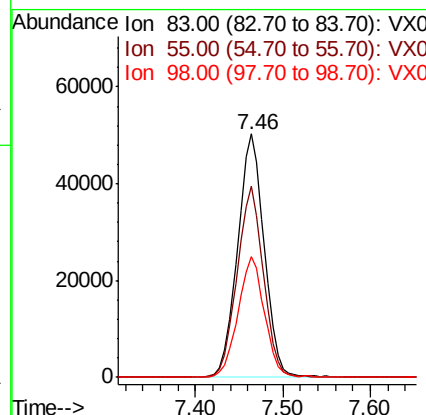
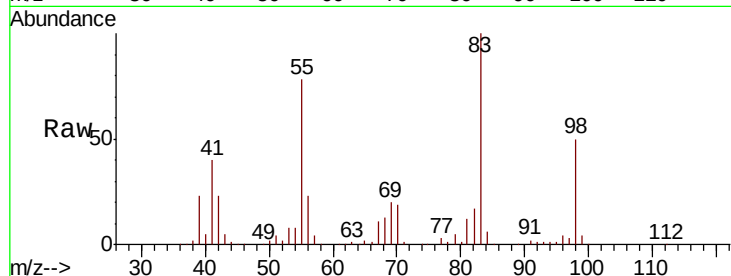
#39
Methylvlcyclohexane
Concen: 18.33 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX004049.D
Acq: 15 Aug 2018 01:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	78.2	61.0	91.6	
98	49.6	38.6	57.8	

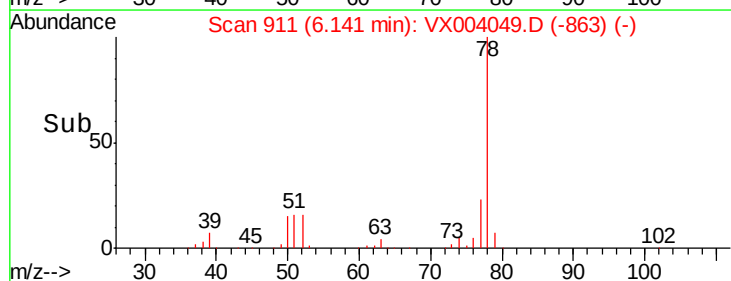
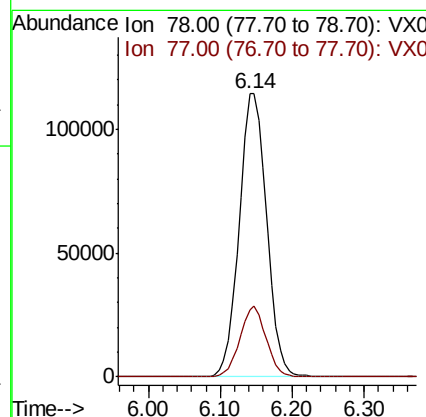
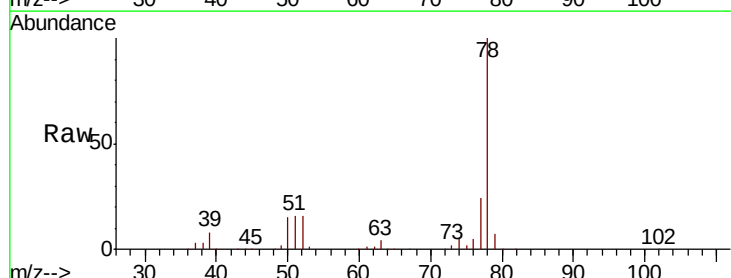
Manual Integrations
APPROVED

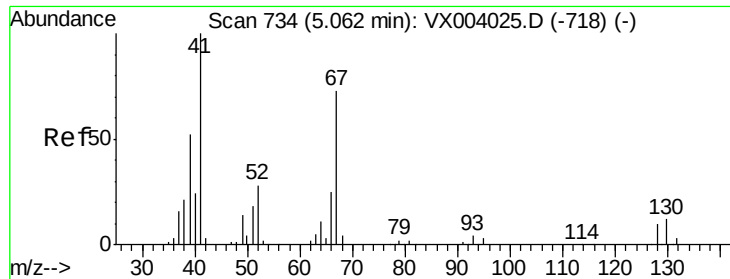
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#40
Benzene
Concen: 19.72 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX004049.D
Acq: 15 Aug 2018 01:15

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.7	19.0	28.4	





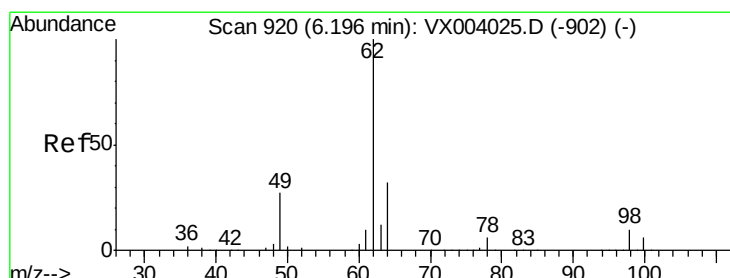
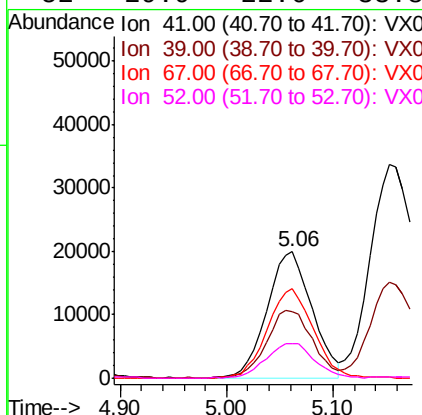
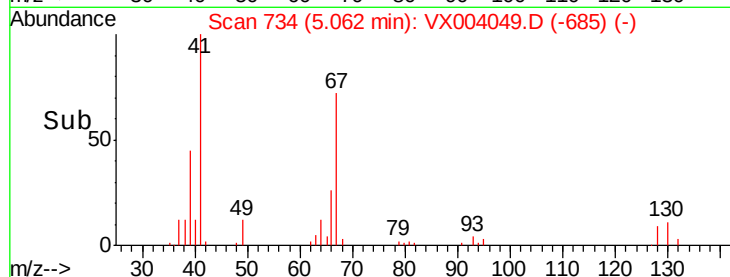
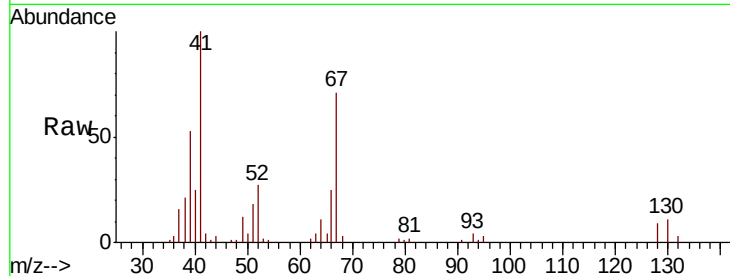
#41
Methacrylonitrile
Concen: 18.77 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.00 min
Lab File: VX004049.D
Acq: 15 Aug 2018 01:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.8	42.7	64.1	
67	72.4	58.9	88.3	
52	29.9	22.6	33.8	

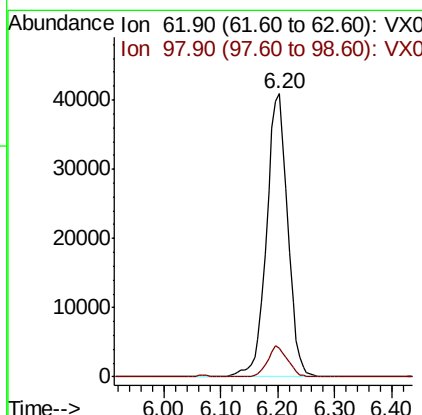
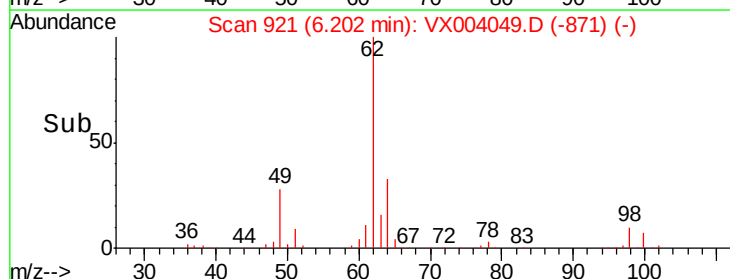
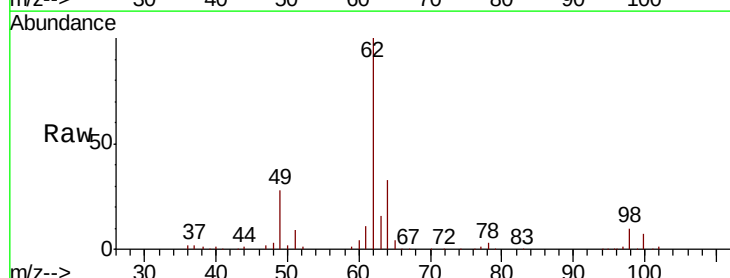
Manual Integrations
APPROVED

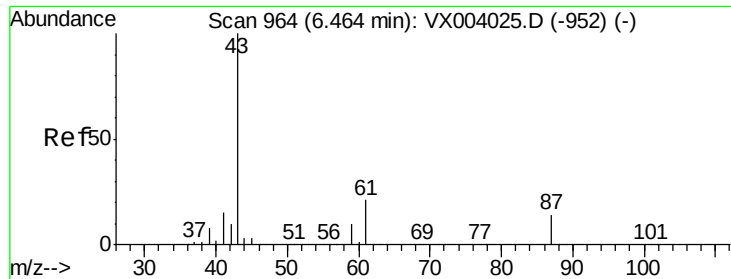
MMDadoda
8/15/2018 4:49:57 PM



#42
1,2-Dichloroethane
Concen: 19.70 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.01 min
Lab File: VX004049.D
Acq: 15 Aug 2018 01:15

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	0.0	20.4	





#43

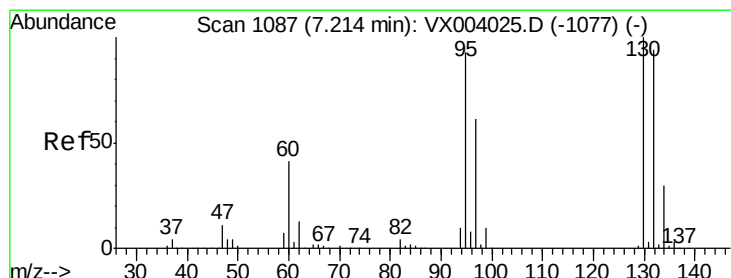
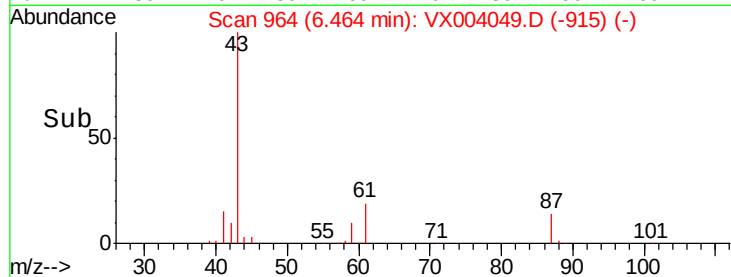
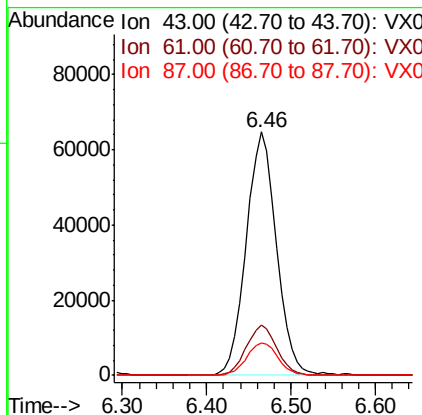
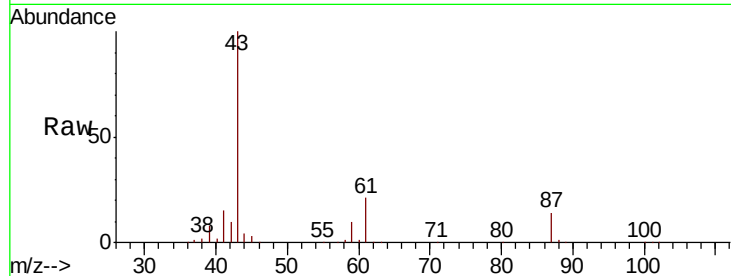
Isopropyl Acetate
 Concen: 19.05 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VX004049.D
 Acq: 15 Aug 2018 01:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0814WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.8	16.9	25.3
87	13.9	11.3	16.9

Manual Integrations
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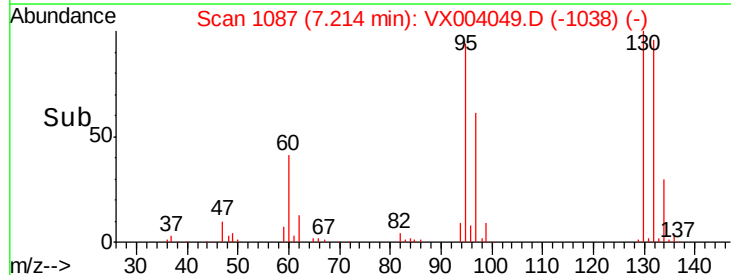
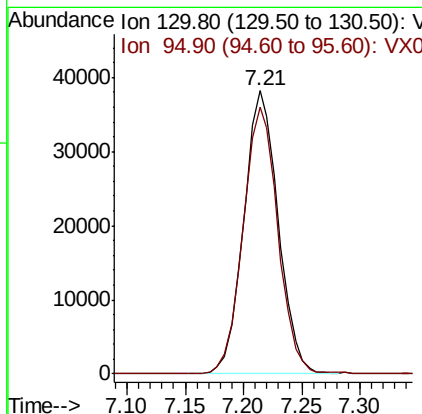
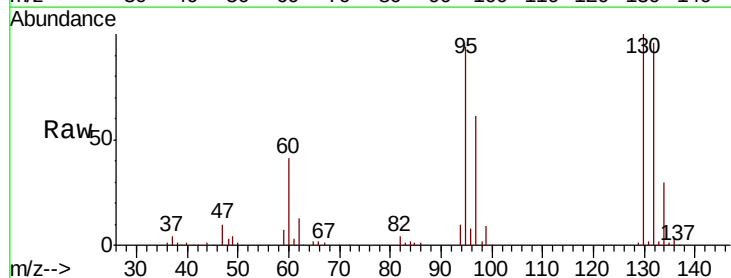
MMDadoda
 8/15/2018 4:49:57 PM

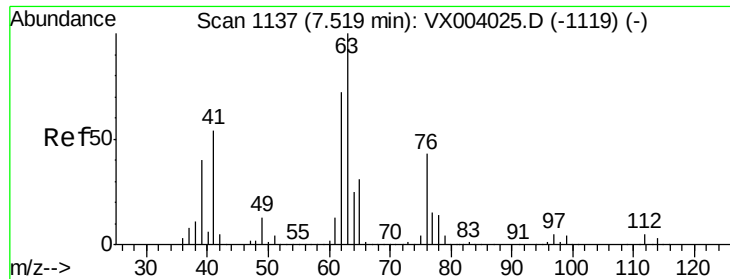


#44

Trichloroethene
 Concen: 18.87 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX004049.D
 Acq: 15 Aug 2018 01:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.1	0.0	199.4





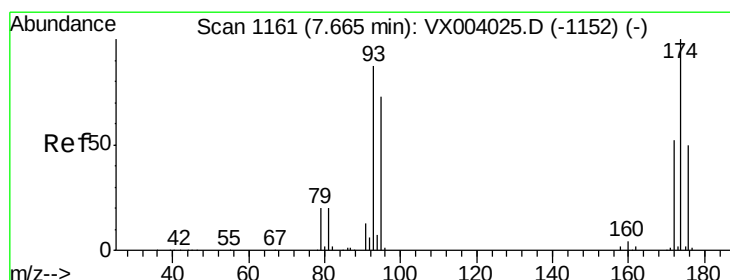
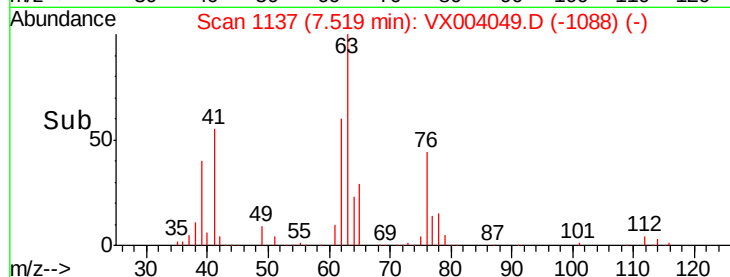
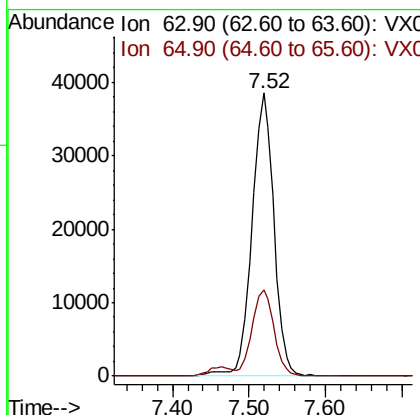
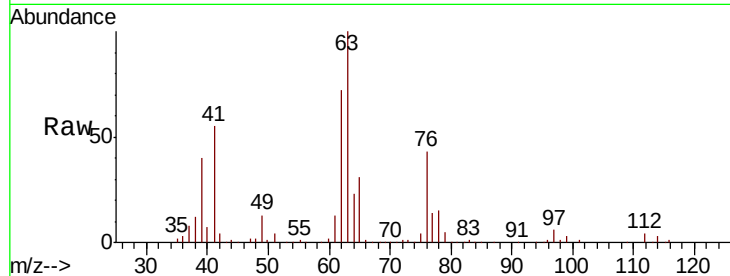
#45
 1,2-Dichloropropane
 Concen: 19.65 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX004049.D
 Acq: 15 Aug 2018 01:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0814WBSD02

Tot Ion: 63 Resp: 77444
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.6 36.8

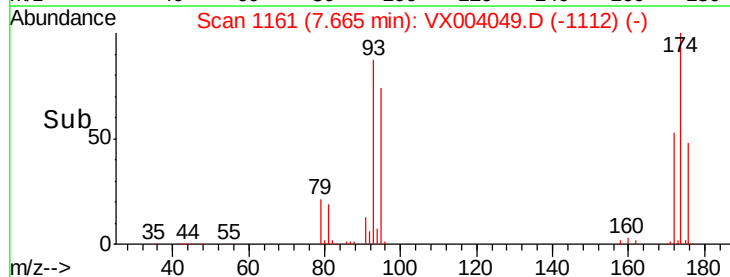
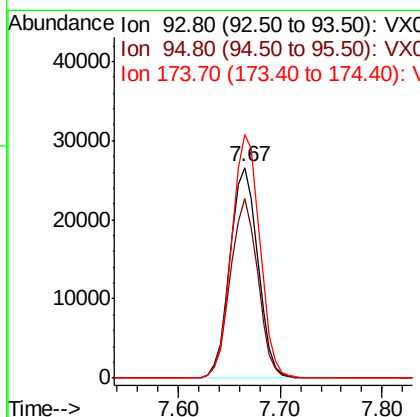
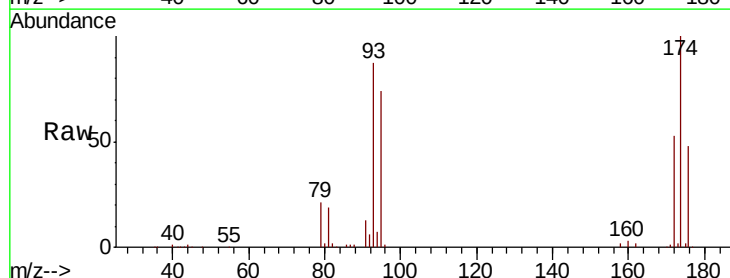
Manual Integrations
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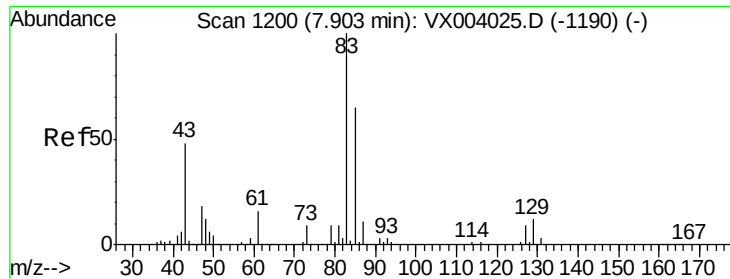
MMDadoda
 8/15/2018 4:49:57 PM



#46
 Dibromomethane
 Concen: 19.54 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX004049.D
 Acq: 15 Aug 2018 01:15

Tgt Ion: 93 Resp: 50327
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.4 99.6
 174 116.3 94.3 141.5





#47

Bromodichloromethane

Concen: 19.56 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX004049.D

Acq: 15 Aug 2018 01:15

Instrument :

MSVOA_X

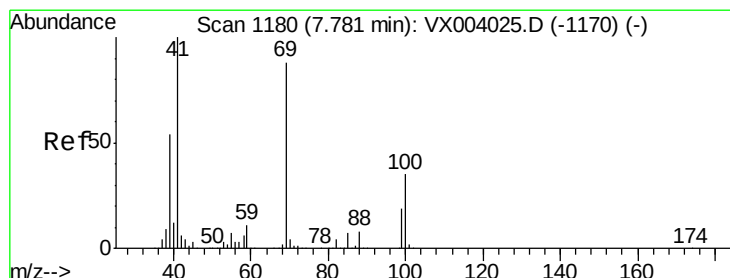
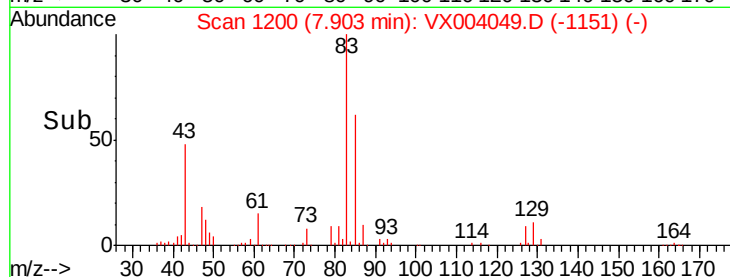
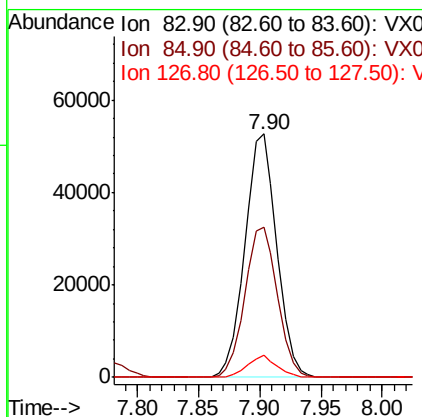
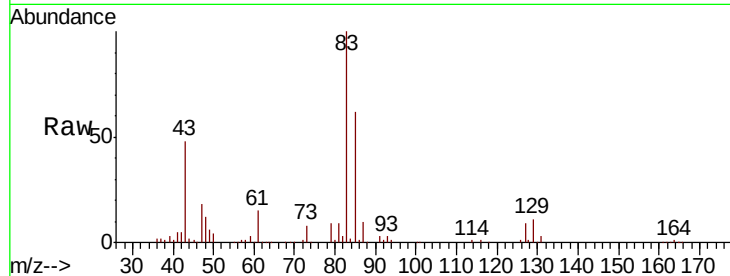
ClientSampleId :

VX0814WBSD02

Tot Ion:	83	Resp:	95377
Ion	Ratio	Lower	Upper
83	100		
85	61.8	51.2	76.8
127	9.0	7.2	10.8

Manual Integrations
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MMDadoda
8/15/2018 4:49:57 PM



#48

Methyl methacrylate

Concen: 19.50 ug/l

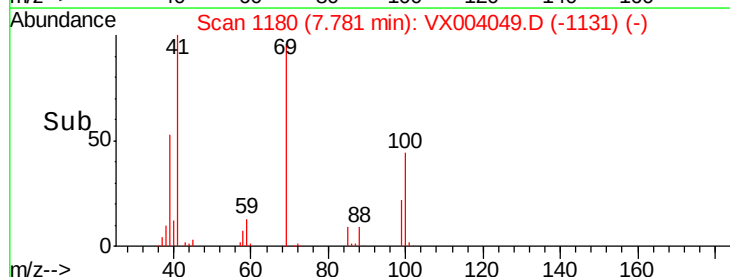
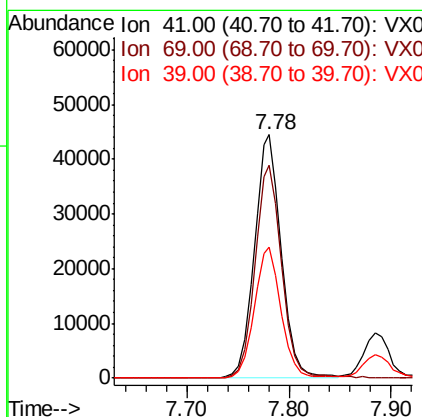
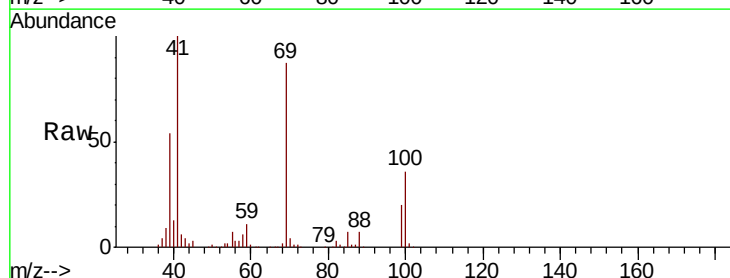
RT: 7.78 min Scan# 1180

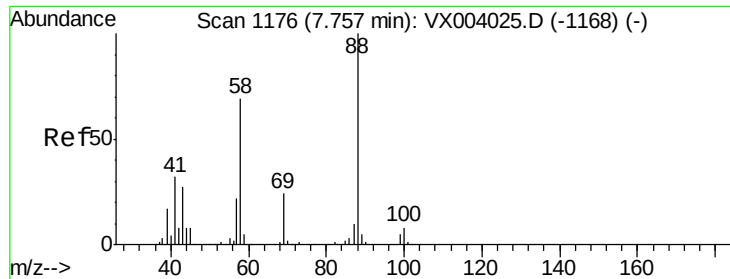
Delta R.T. -0.00 min

Lab File: VX004049.D

Acq: 15 Aug 2018 01:15

Tgt Ion:	41	Resp:	80768
Ion	Ratio	Lower	Upper
41	100		
69	87.9	68.8	103.2
39	53.5	42.3	63.5





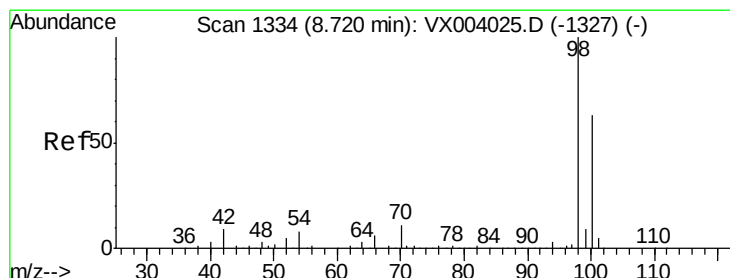
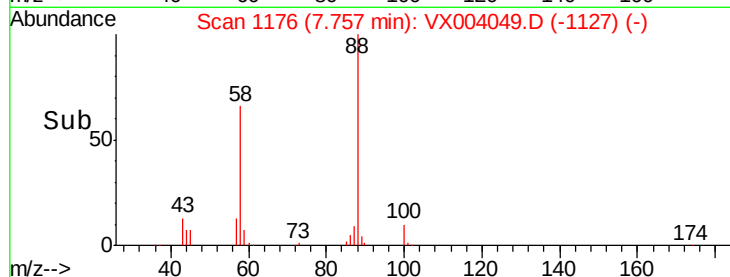
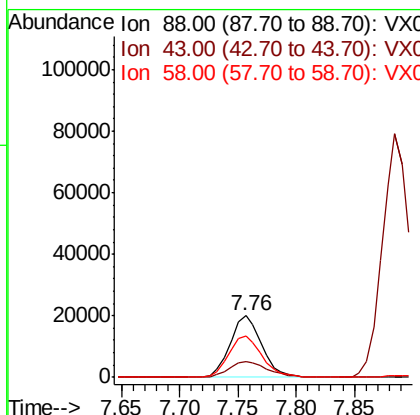
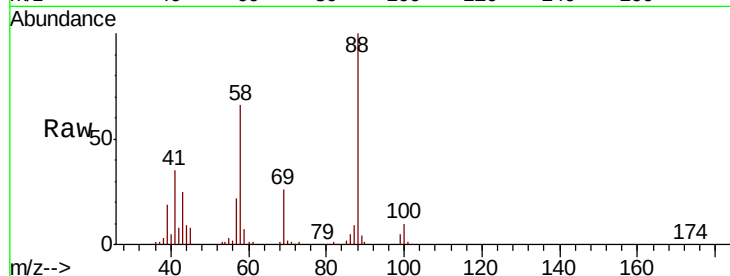
#49
1,4-Dioxane
Concen: 405.16 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004049.D
Acq: 15 Aug 2018 01:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.3	23.8	35.8
58	70.5	55.4	83.0

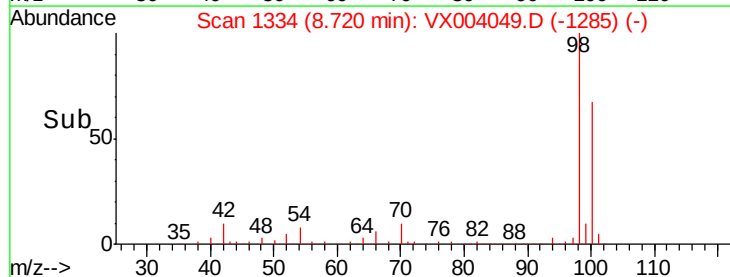
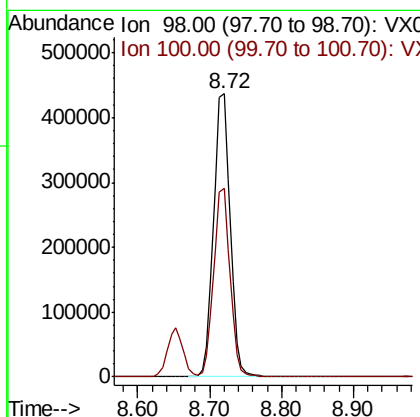
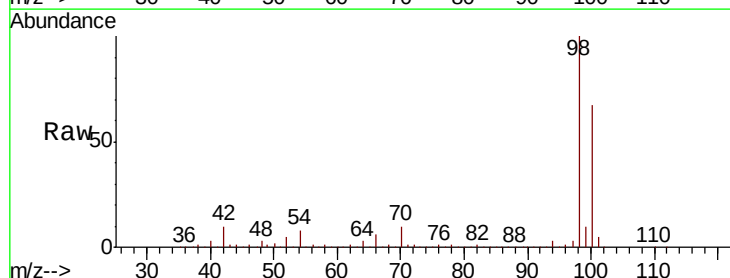
Manual Integrations
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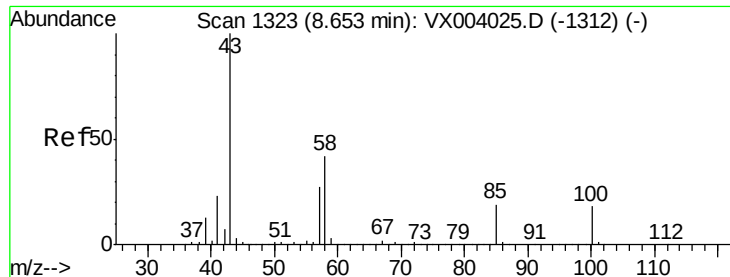
MMDadoda
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#50
Toluene-d8
Concen: 51.00 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX004049.D
Acq: 15 Aug 2018 01:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.3	79.9





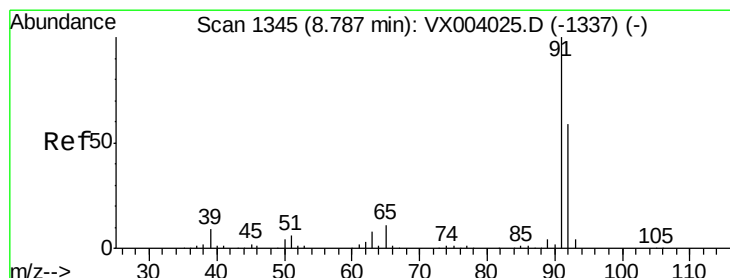
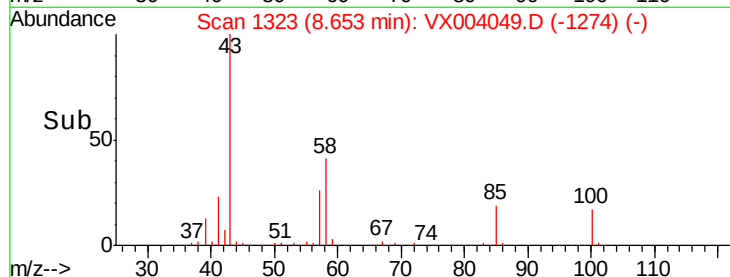
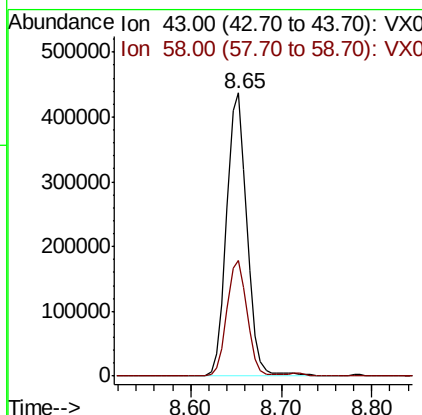
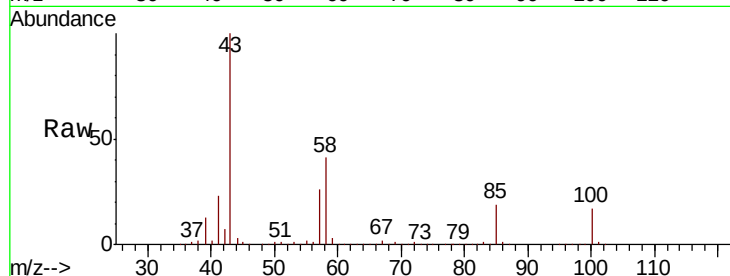
#51
4-Methyl-2-Pentanone
Concen: 101.42 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX004049.D
Acq: 15 Aug 2018 01:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.5	33.0	49.6

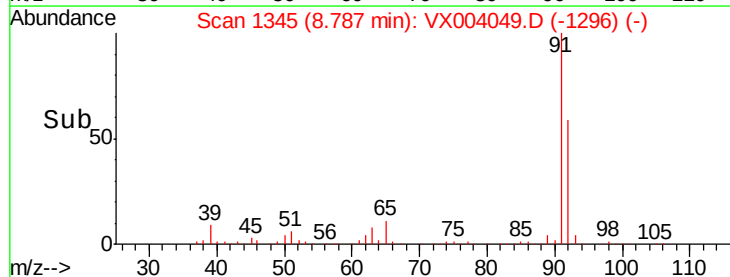
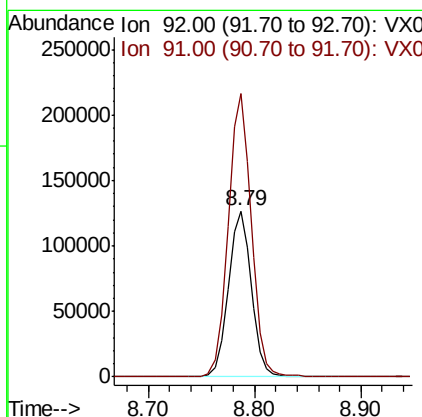
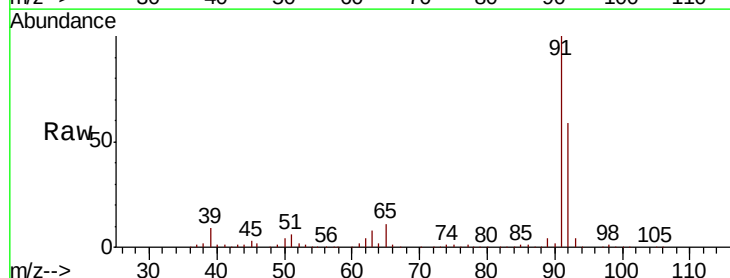
Manual Integrations
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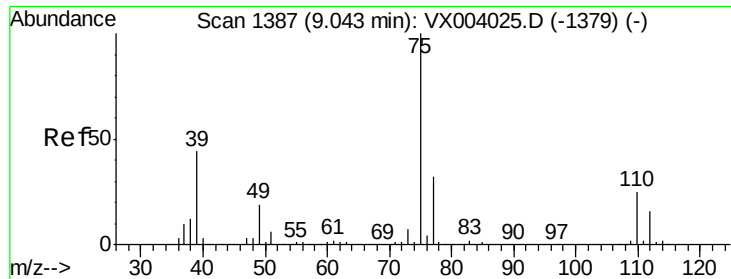
MMDadoda
8/15/2018 4:49:57 PM



#52
Toluene
Concen: 19.73 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX004049.D
Acq: 15 Aug 2018 01:15

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.1	136.1	204.1





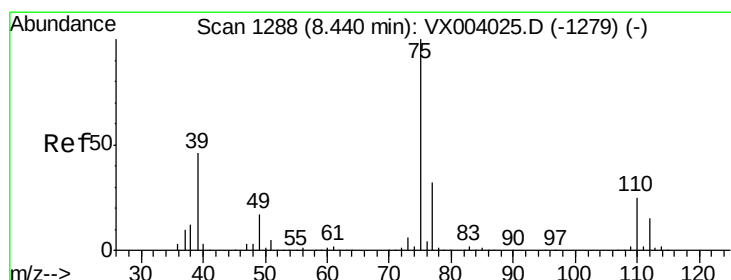
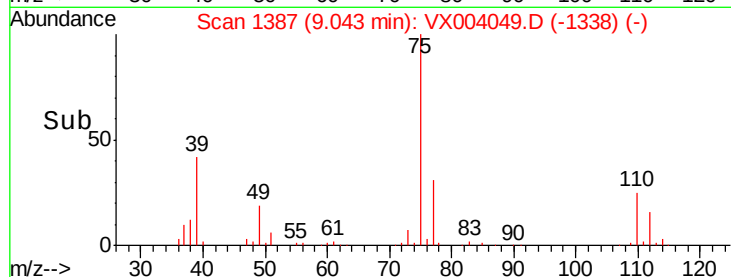
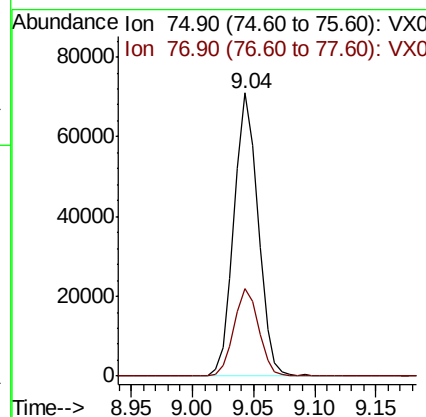
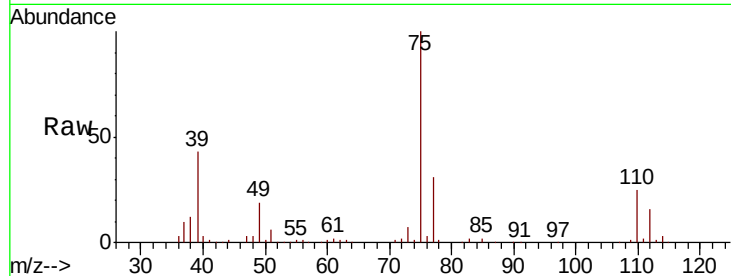
#53
 t-1,3-Dichloropropene
 Concen: 18.36 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VX004049.D
 Acq: 15 Aug 2018 01:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0814WBSD02

Tot Ion: 75 Resp: 96742
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.1 37.7

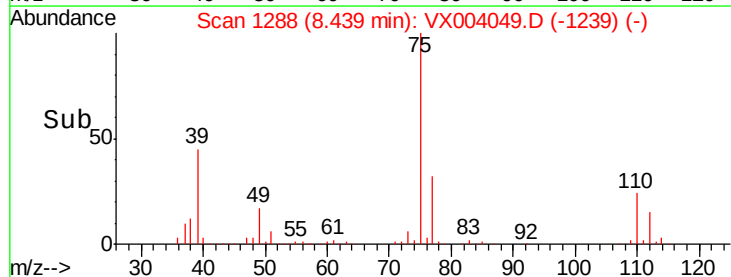
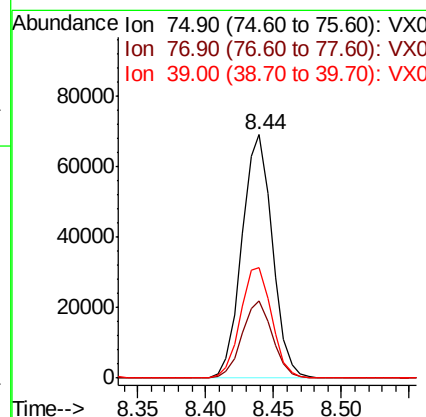
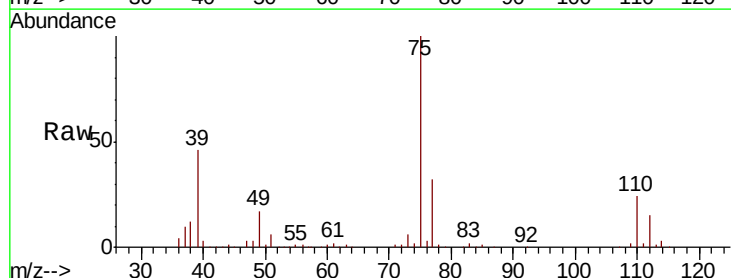
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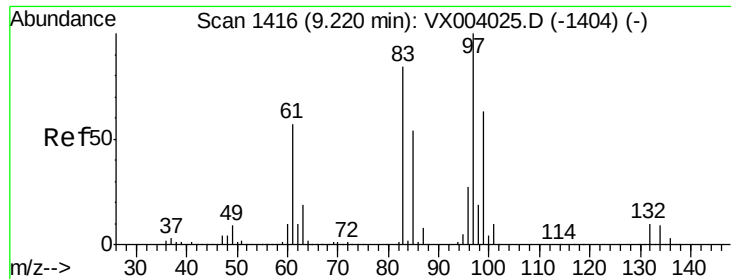
MMDadoda
 8/15/2018 4:49:57 PM



#54
 cis-1,3-Dichloropropene
 Concen: 18.56 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VX004049.D
 Acq: 15 Aug 2018 01:15

Tgt Ion: 75 Resp: 108275
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.3 37.9
 39 45.4 36.2 54.2





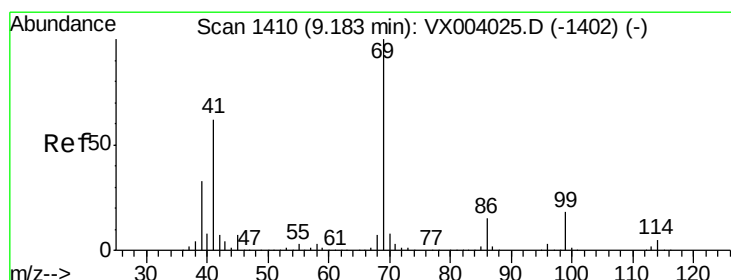
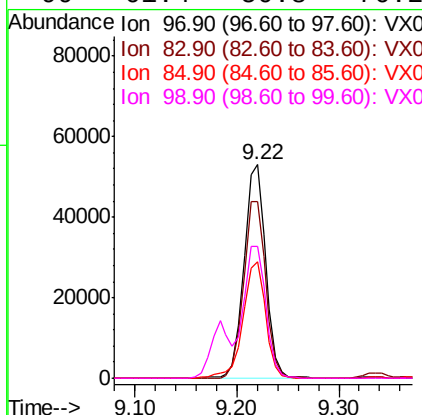
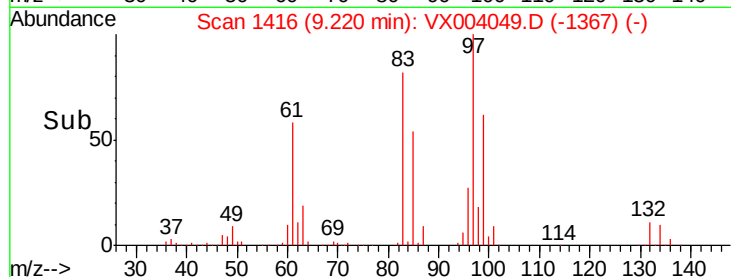
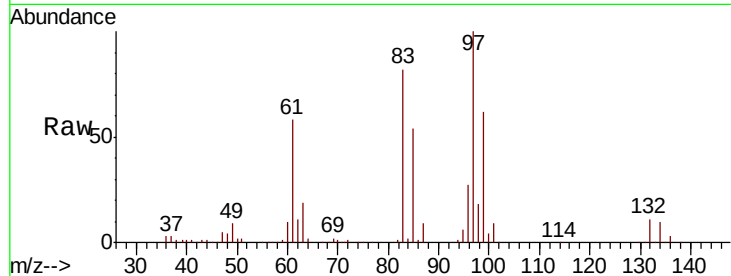
#55
 1,1,2-Trichloroethane
 Concen: 19.40 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX004049.D
 Acq: 15 Aug 2018 01:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0814WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		77985		
83	82.5	67.8	101.6		
85	54.3	44.2	66.2		
99	61.4	50.8	76.2		

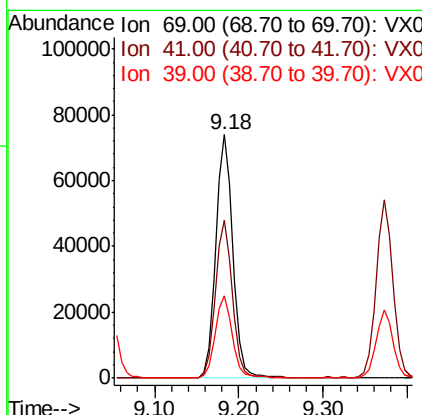
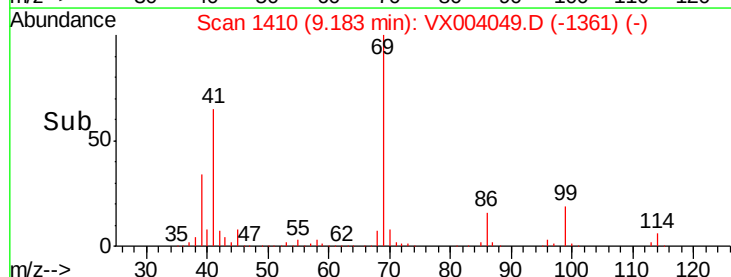
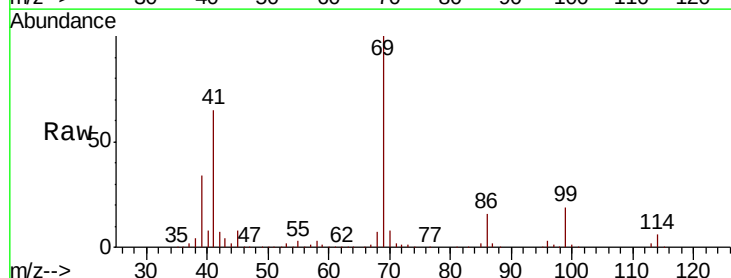
Manual Integrations
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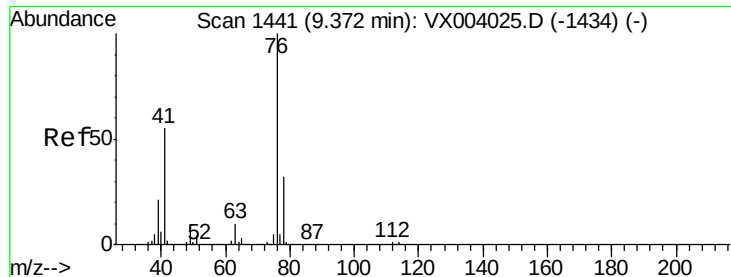
MMDadoda
 8/15/2018 4:49:57 PM



#56
 Ethyl methacrylate
 Concen: 19.06 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004049.D
 Acq: 15 Aug 2018 01:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		104204		
41	64.6	50.6	76.0		
39	33.3	25.8	38.6		





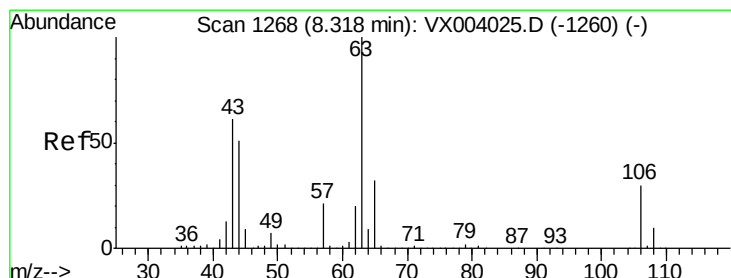
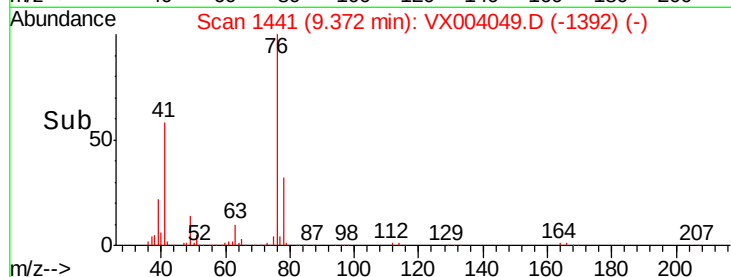
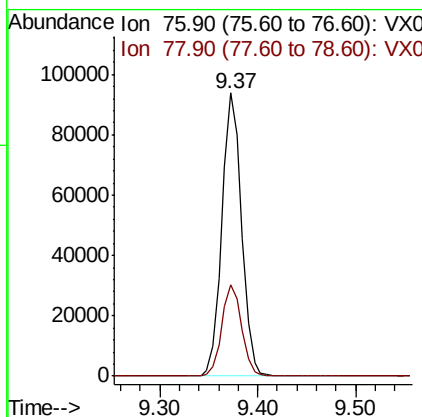
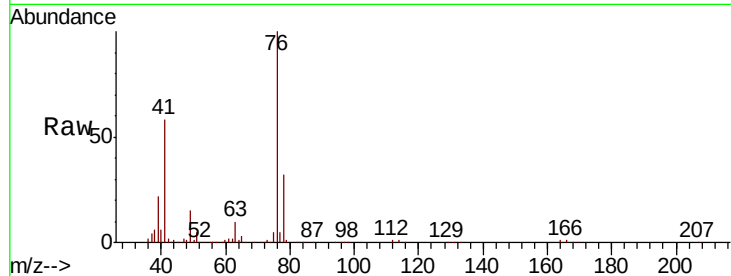
#57
 1,3-Dichloropropane
 Concen: 19.67 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX004049.D
 Acq: 15 Aug 2018 01:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0814WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.9	38.9

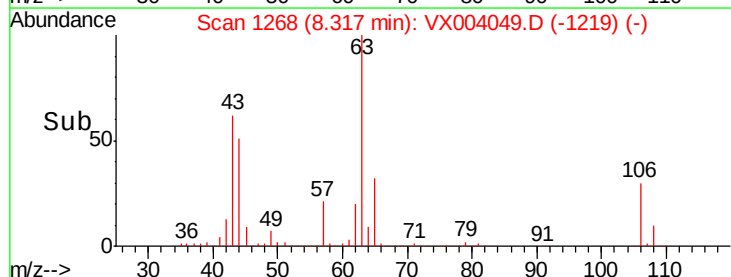
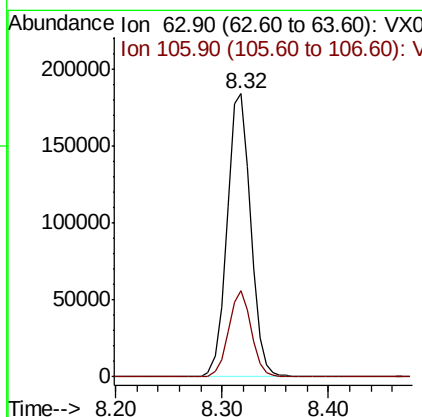
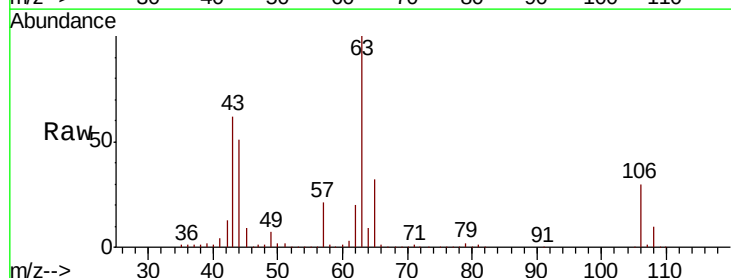
Manual Integrations
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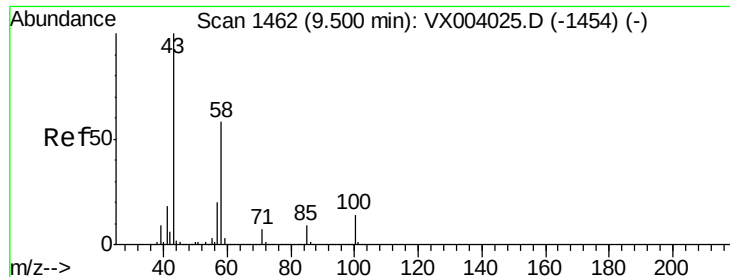
MMDadoda
 8/15/2018 4:49:57 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.45 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX004049.D
 Acq: 15 Aug 2018 01:15

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.4	23.8	35.8





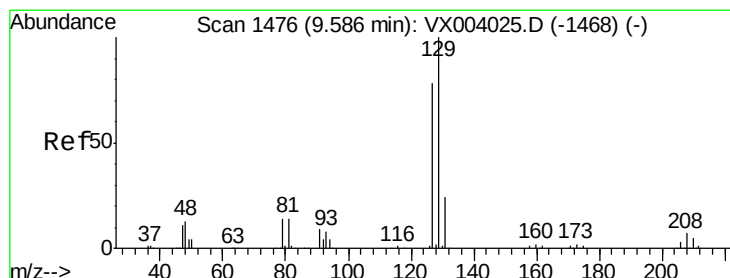
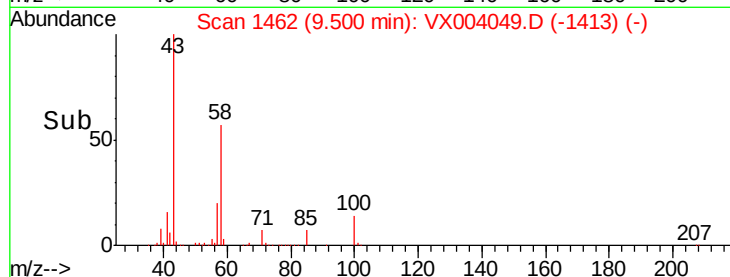
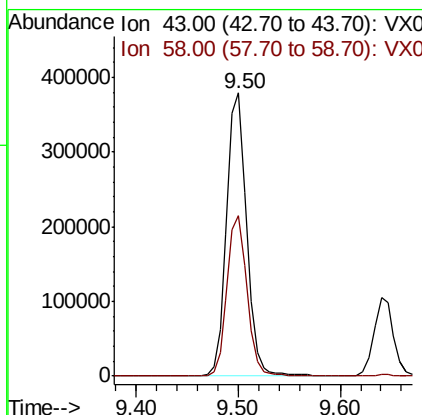
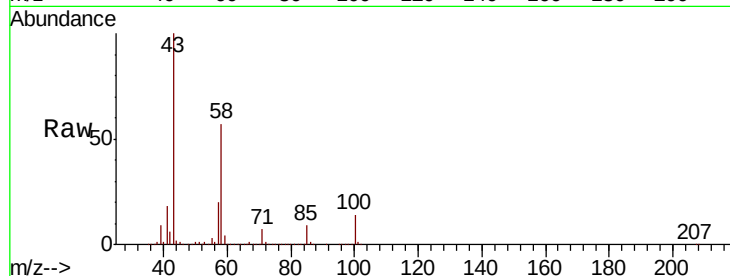
#59
2-Hexanone
Concen: 101.80 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004049.D
Acq: 15 Aug 2018 01:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.7	29.0	87.0

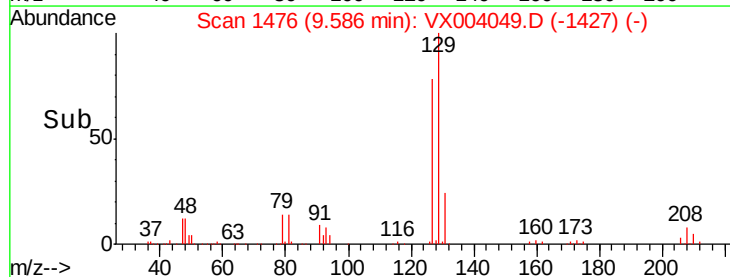
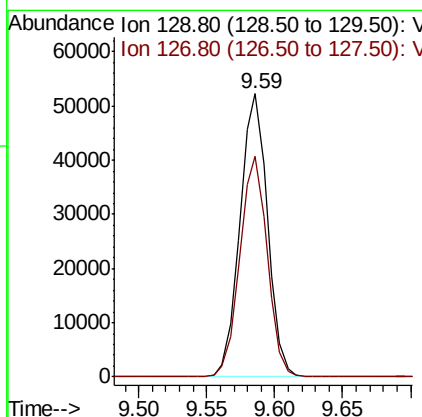
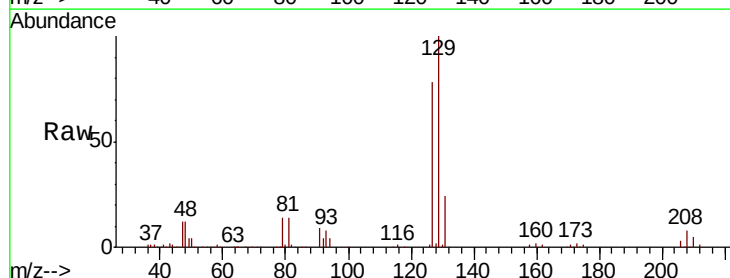
Manual Integrations
APPROVED

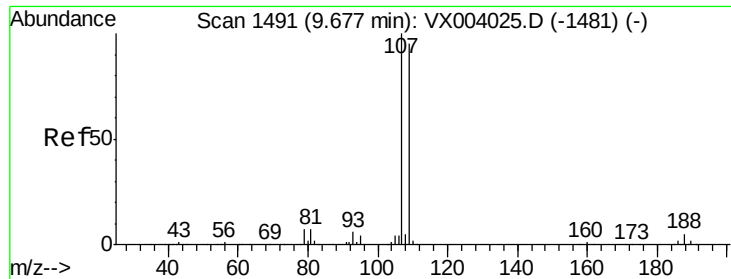
MMDadoda
8/15/2018 4:49:57 PM



#60
Dibromochloromethane
Concen: 19.13 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004049.D
Acq: 15 Aug 2018 01:15

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.8	116.3





#61

1,2-Dibromoethane

Concen: 19.75 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.01 min

Lab File: VX004049.D

Acq: 15 Aug 2018 01:15

Instrument :

MSVOA_X

ClientSampleId :

VX0814WBSD02

Tot Ion:107 Resp: 80940

Ion Ratio Lower Upper

107 100

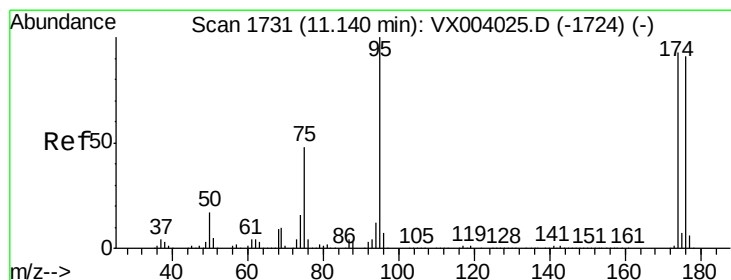
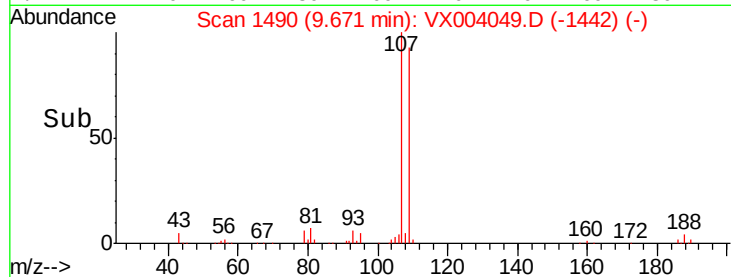
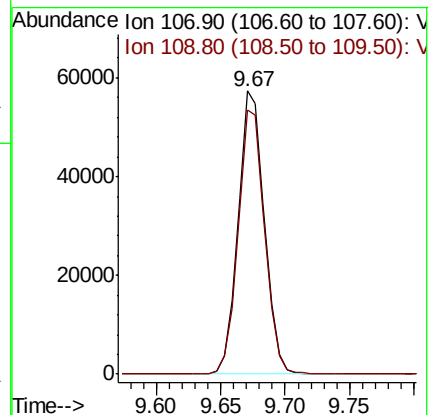
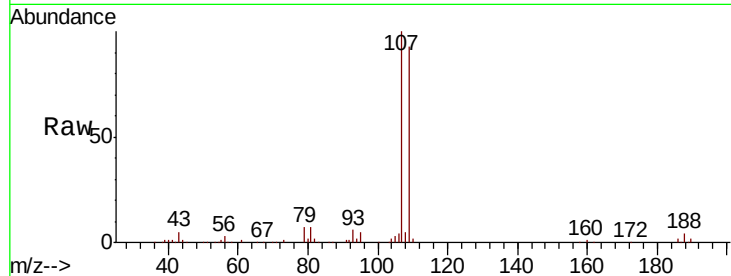
109 94.5 75.8 113.8

Manual Integrations

APPROVED

MMDadoda

8/15/2018 4:49:57 PM



#62

4-Bromofluorobenzene

Concen: 50.87 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004049.D

Acq: 15 Aug 2018 01:15

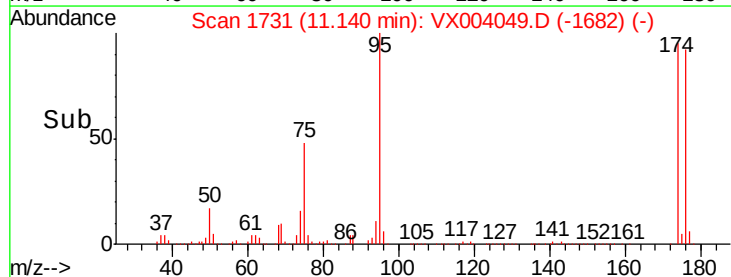
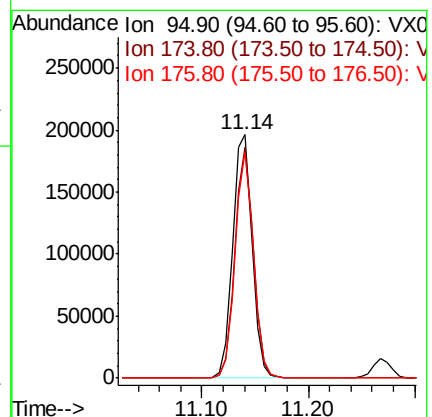
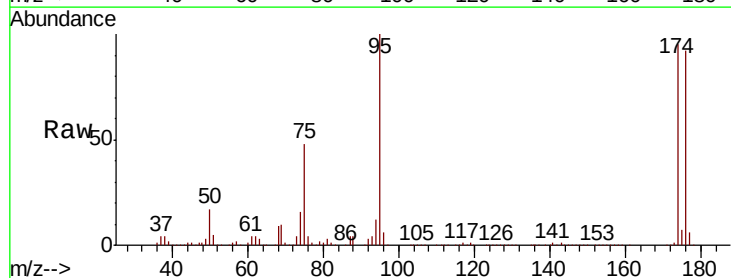
Tgt Ion: 95 Resp: 252190

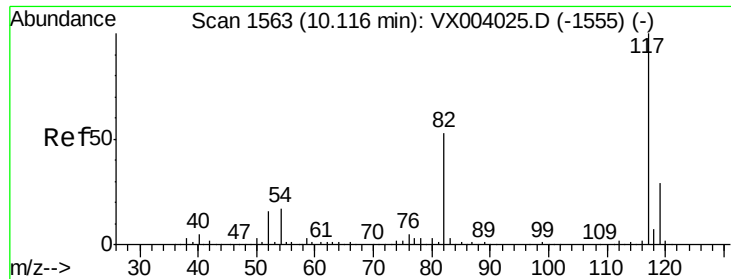
Ion Ratio Lower Upper

95 100

174 90.4 0.0 182.8

176 88.1 0.0 179.0





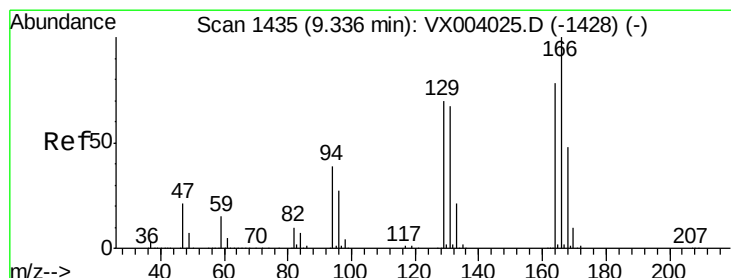
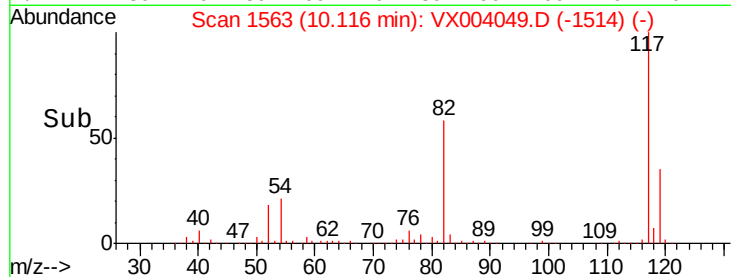
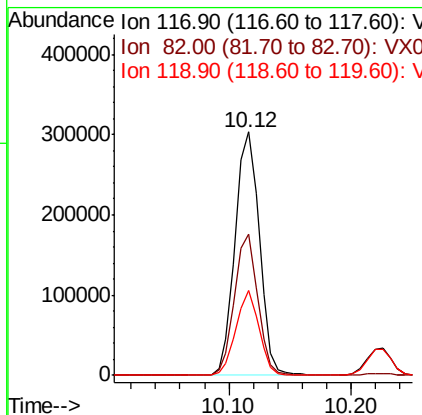
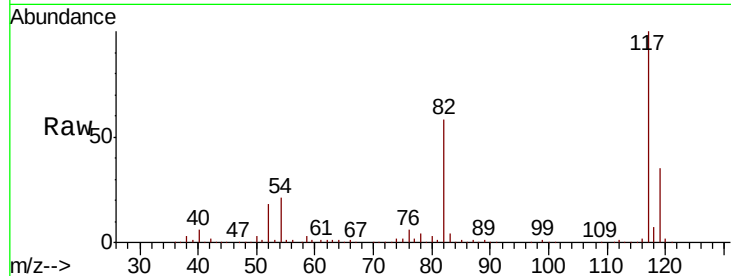
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004049.D
Acq: 15 Aug 2018 01:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	45.4	68.0
119	34.7	26.6	40.0

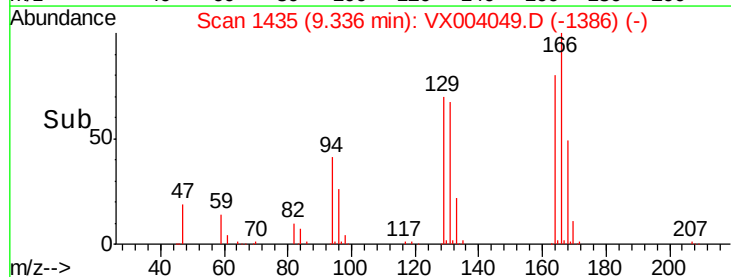
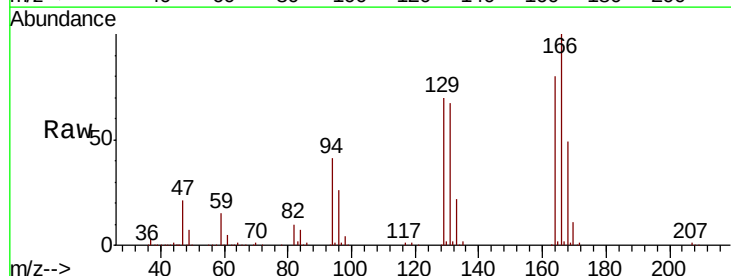
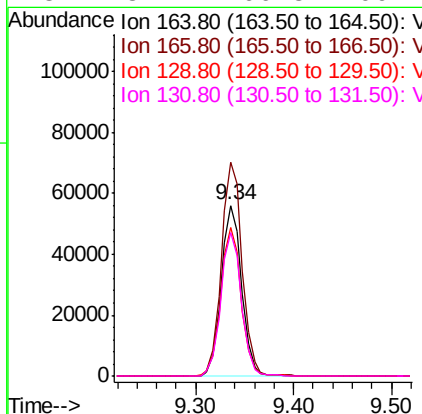
Manual Integrations
APPROVED

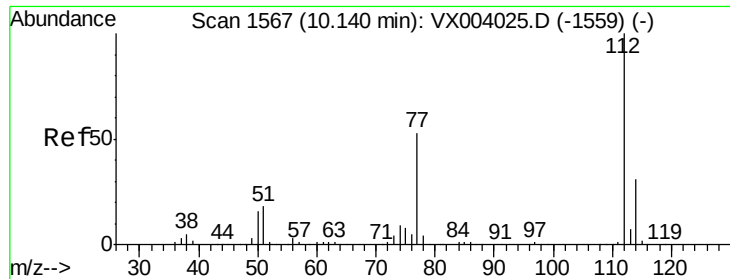
MMDadoda
8/15/2018 4:49:57 PM



#64
Tetrachloroethene
Concen: 20.48 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004049.D
Acq: 15 Aug 2018 01:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.3	98.0	147.0
129	87.4	64.3	96.5
131	84.1	66.8	100.2





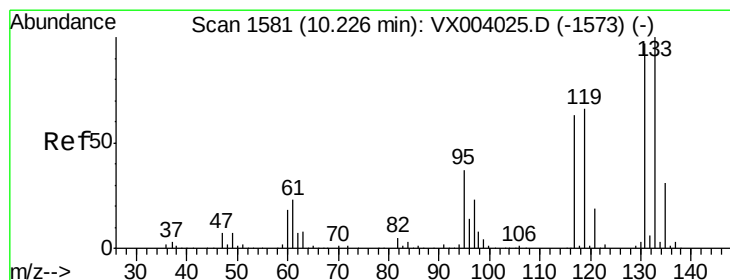
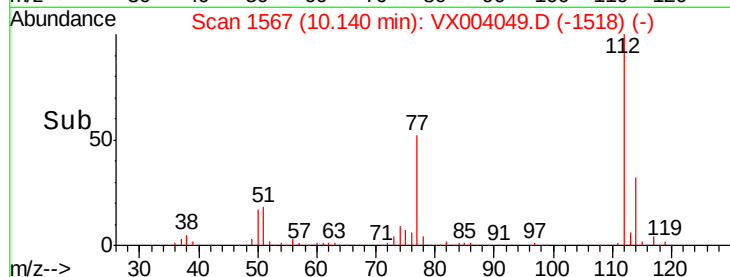
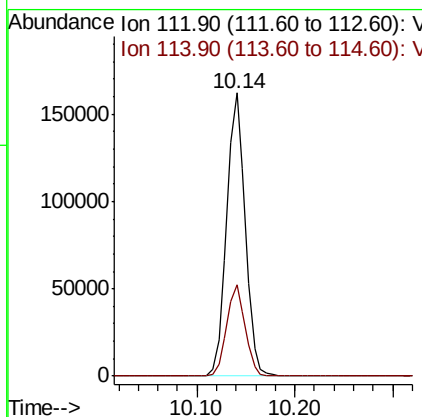
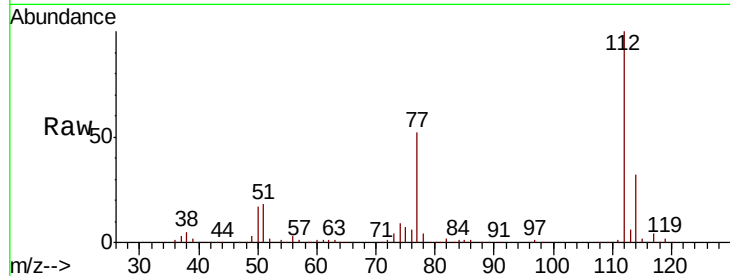
#65
Chlorobenzene
Concen: 19.90 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004049.D
Acq: 15 Aug 2018 01:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBSD02

Tot Ion:112 Resp: 213754
Ion Ratio Lower Upper
112 100
114 32.3 23.6 35.4

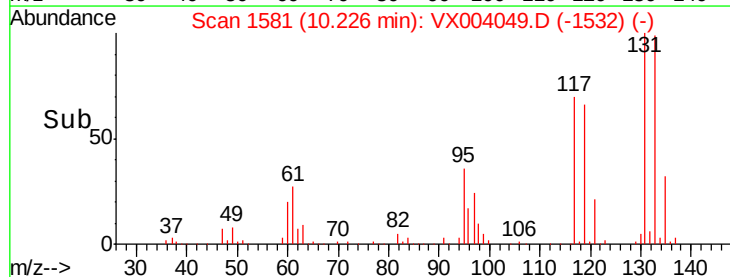
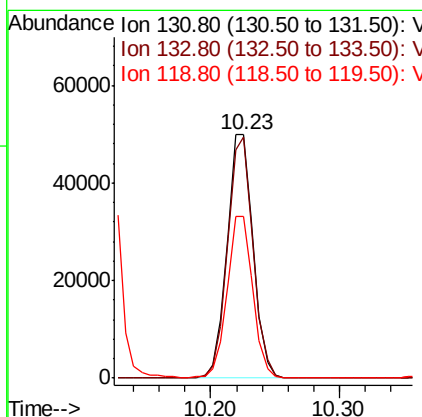
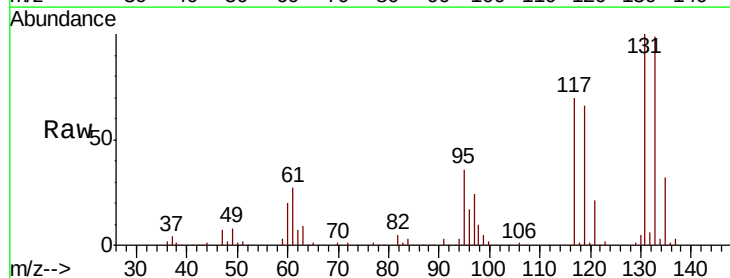
Manual Integrations
APPROVED

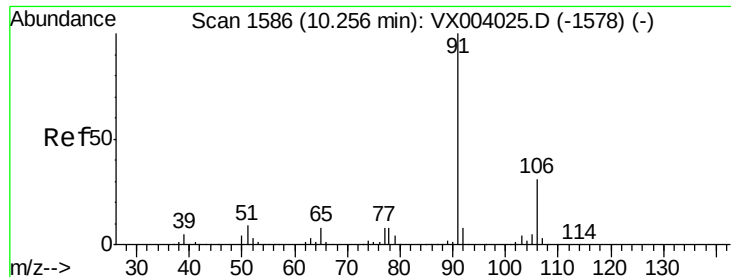
MMDadoda
8/15/2018 4:49:57 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.40 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX004049.D
Acq: 15 Aug 2018 01:15

Tgt Ion:131 Resp: 71051
Ion Ratio Lower Upper
131 100
133 96.5 47.3 141.8
119 65.6 31.6 94.8





#67

Ethyl Benzene

Concen: 20.00 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX004049.D

Acq: 15 Aug 2018 01:15

Instrument :

MSVOA_X

ClientSampleId :

VX0814WBSD02

Tot Ion: 91 Resp: 340203

Ion Ratio Lower Upper

91 100

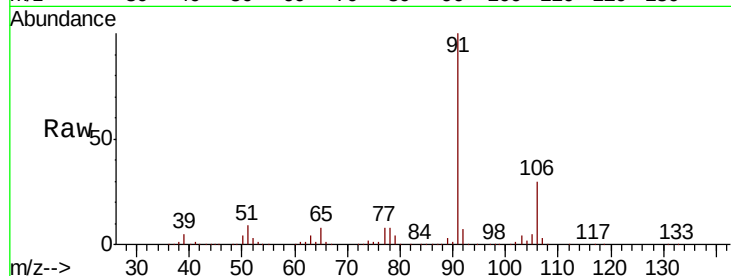
106 30.0 25.9 38.9

Manual Integrations

APPROVED

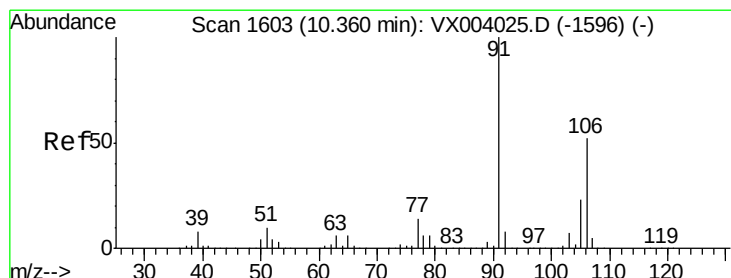
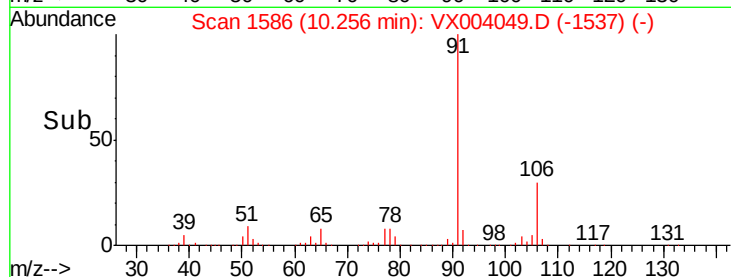
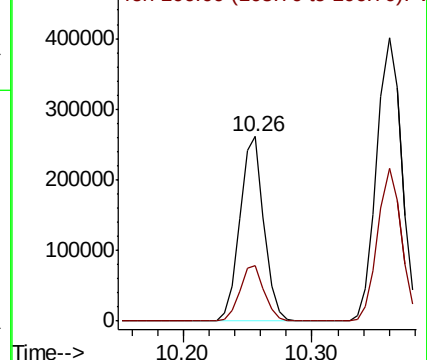
MMDadoda

8/15/2018 4:49:57 PM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 41.59 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX004049.D

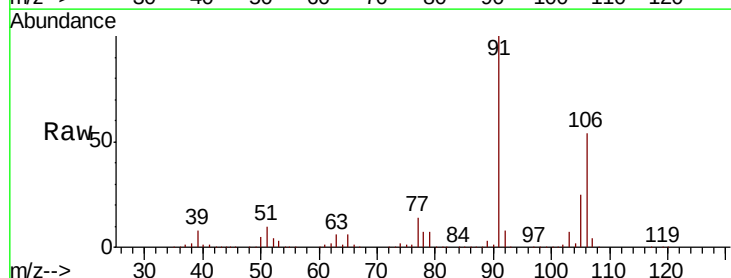
Acq: 15 Aug 2018 01:15

Tgt Ion:106 Resp: 276948

Ion Ratio Lower Upper

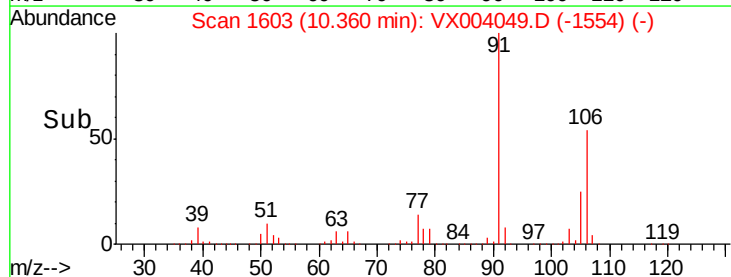
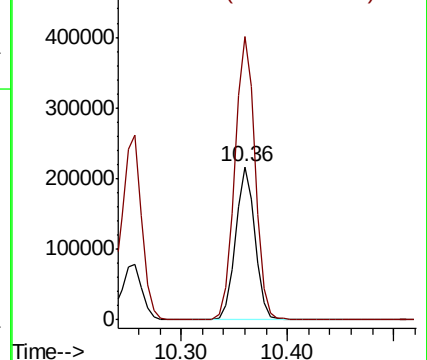
106 100

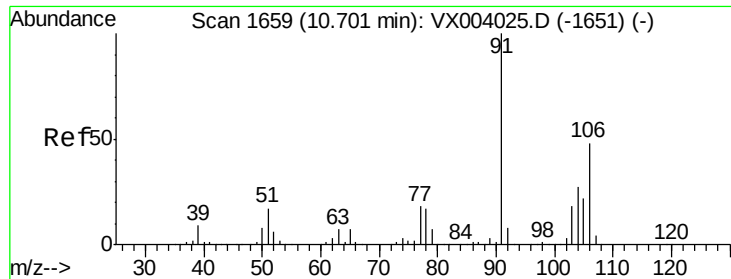
91 193.6 162.3 243.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





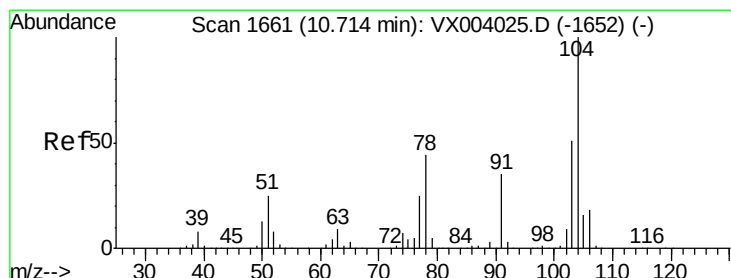
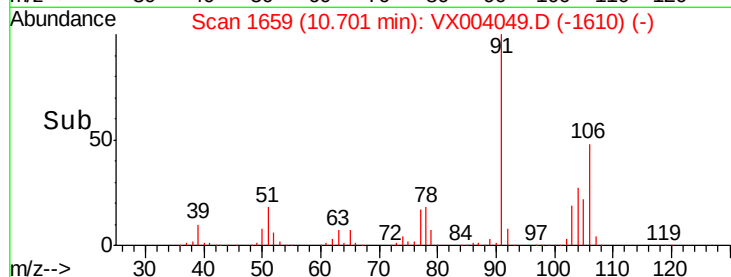
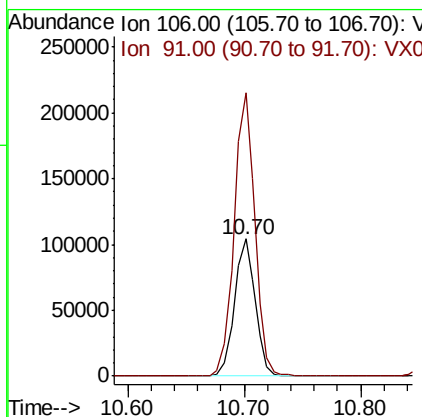
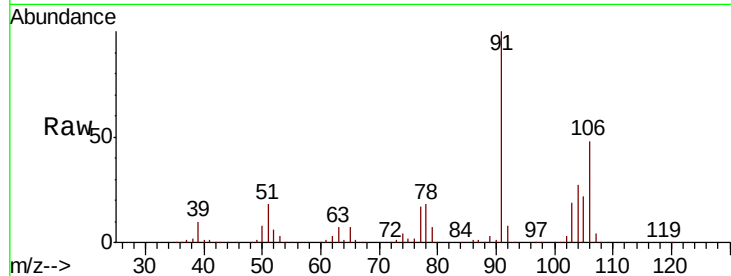
#69
o-Xylene
Concen: 20.32 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004049.D
Acq: 15 Aug 2018 01:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBSD02

Tot Ion	Ratio	Lower	Upper
106	100		
91	206.9	101.9	305.7

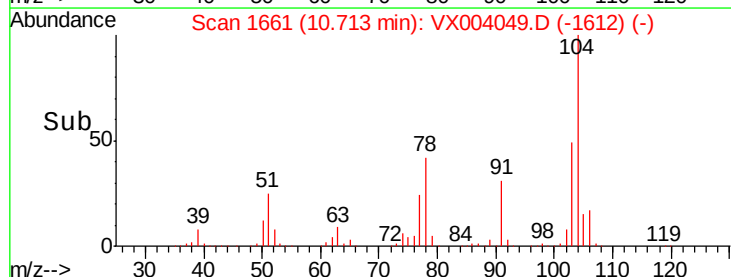
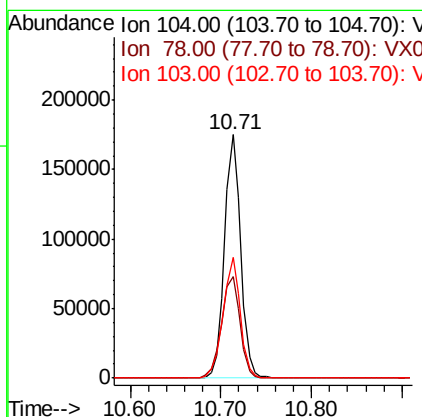
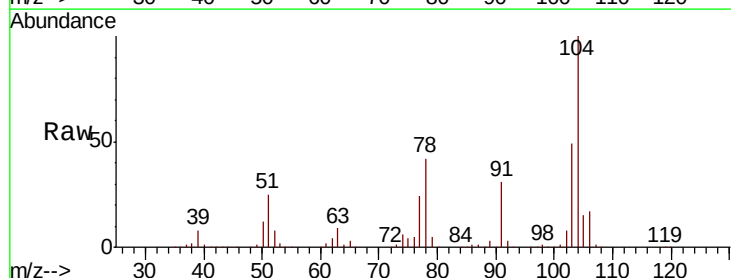
Manual Integrations
APPROVED

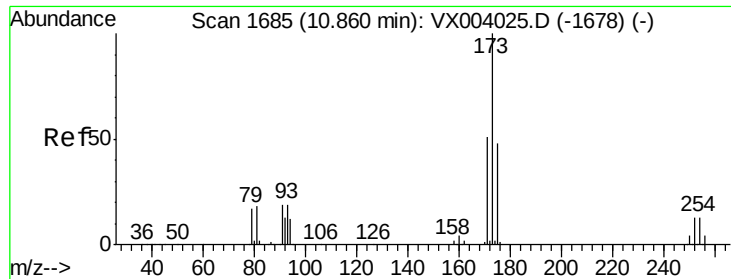
MMDadoda
8/15/2018 4:49:57 PM



#70
Styrene
Concen: 20.33 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004049.D
Acq: 15 Aug 2018 01:15

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.8	39.8	59.6
103	53.2	44.3	66.5





#71

Bromoform

Concen: 18.92 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX004049.D

Acq: 15 Aug 2018 01:15

Instrument :

MSVOA_X

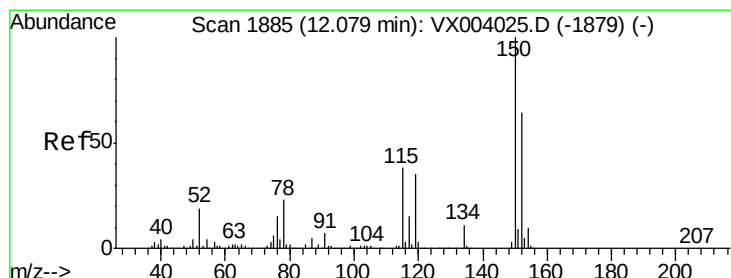
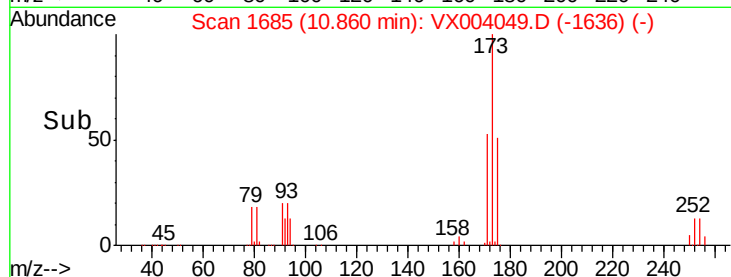
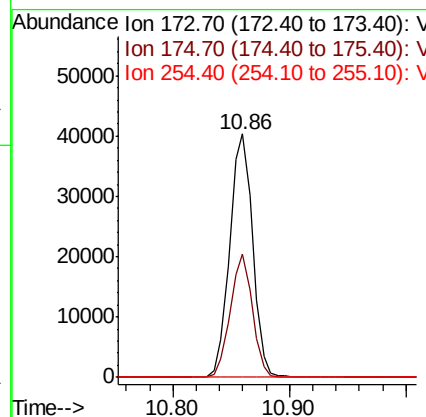
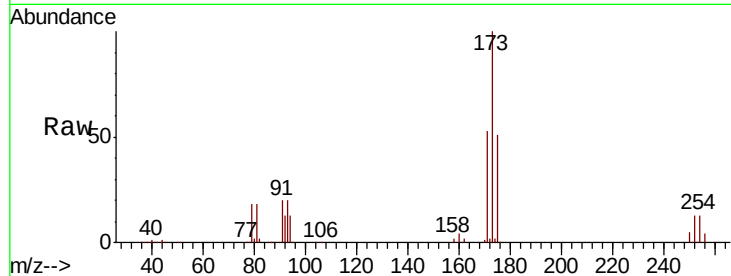
ClientSampleId :

VX0814WBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.9	74.7
254	0.0	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
8/15/2018 4:49:57 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

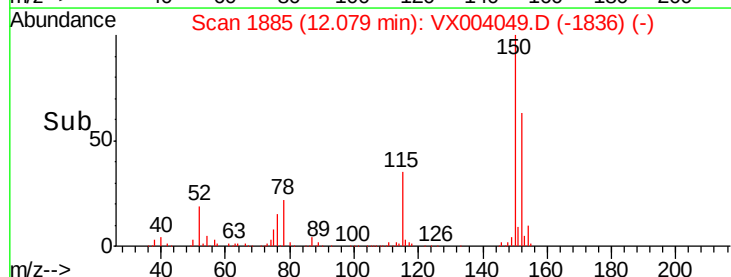
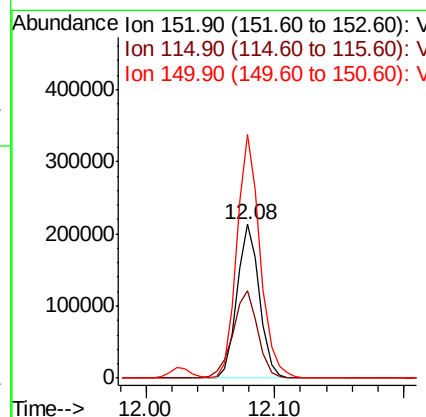
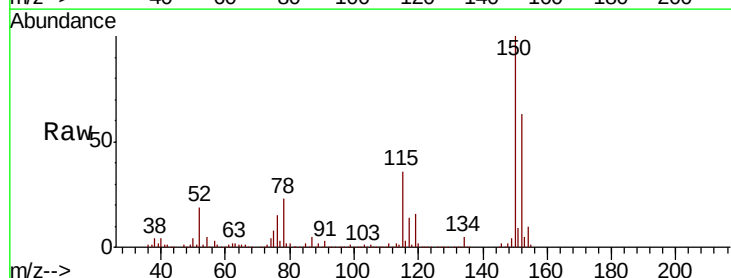
RT: 12.08 min Scan# 1885

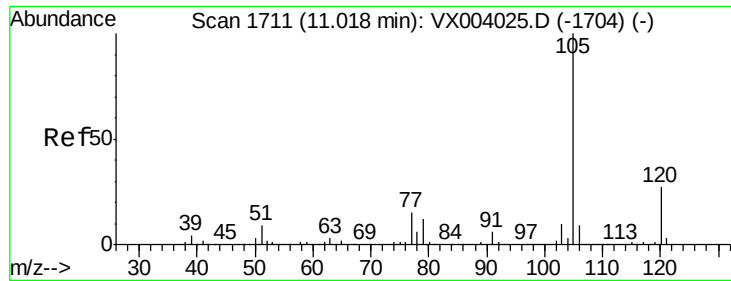
Delta R.T. -0.00 min

Lab File: VX004049.D

Acq: 15 Aug 2018 01:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.6	39.1	117.3
150	164.0	0.0	349.2





#73

Isopropylbenzene

Concen: 20.42 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004049.D

Acq: 15 Aug 2018 01:15

Instrument :

MSVOA_X

ClientSampleId :

VX0814WBSD02

Tot Ion:105 Resp: 356897

Ion Ratio Lower Upper

105 100

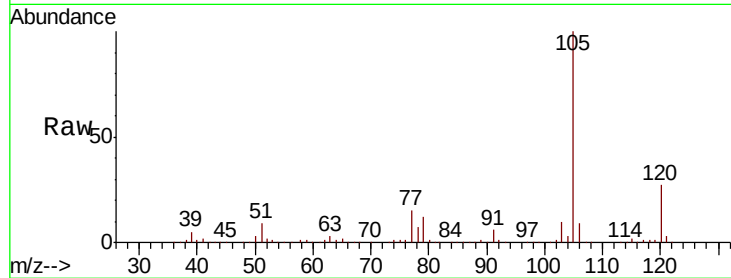
120 26.7 12.6 37.8

Manual Integrations

APPROVED

MMDadoda

8/15/2018 4:49:57 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

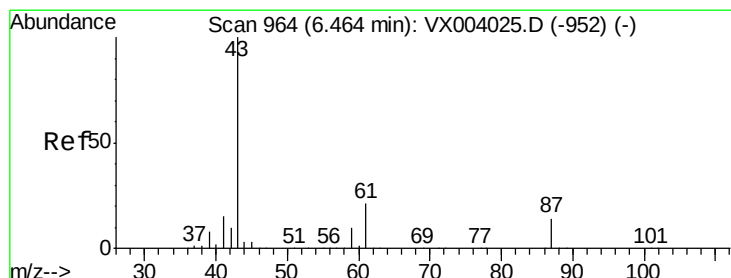
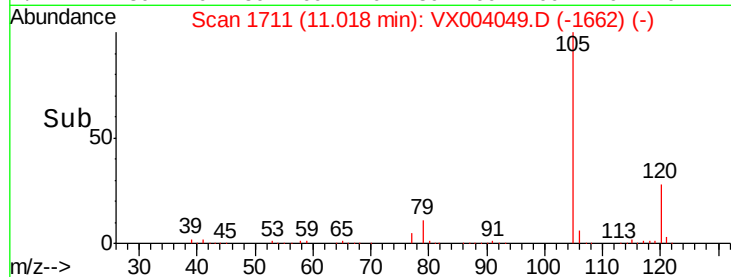
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 19.07 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004049.D

Acq: 15 Aug 2018 01:15

Tgt Ion: 43 Resp: 156771

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

61 20.8 16.9 25.3

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

6.46

100000

80000

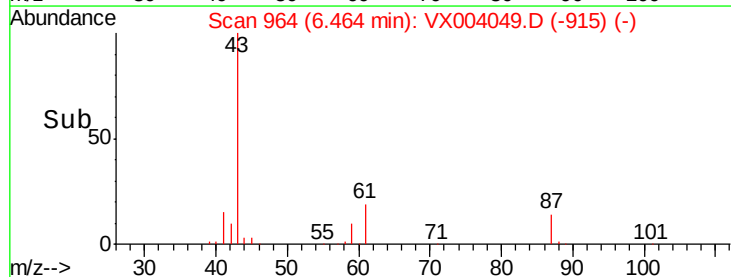
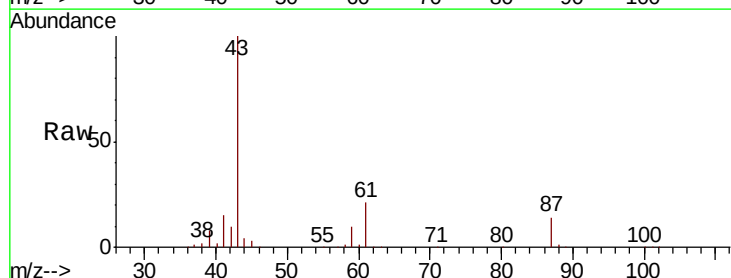
60000

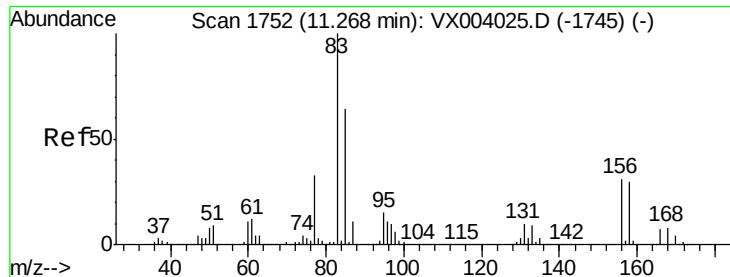
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.82 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004049.D

Acq: 15 Aug 2018 01:15

Instrument :

MSVOA_X

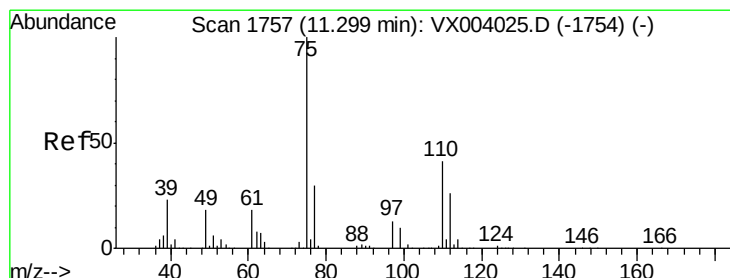
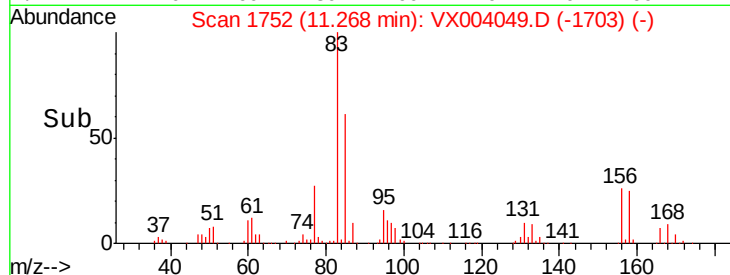
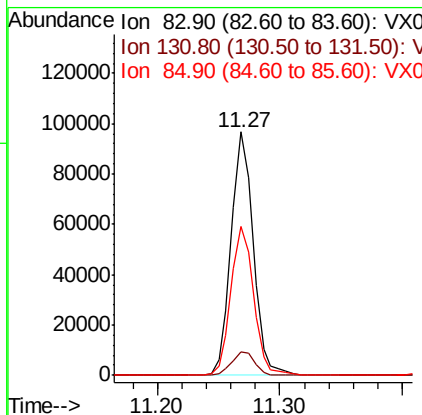
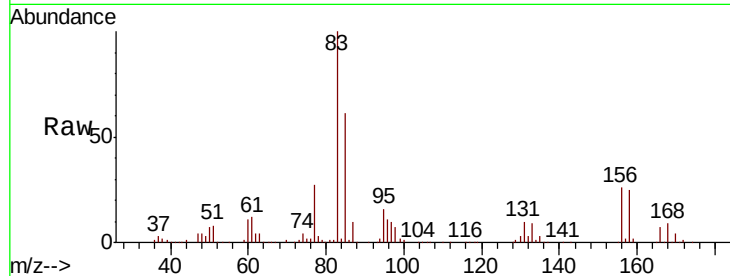
ClientSampleId :

VX0814WBSD02

Tot Ion:	83	Resp:	120982
Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.2	15.6
85	62.7	32.2	96.6

Manual Integrations
APPROVED

MMDadoda
8/15/2018 4:49:57 PM



#76

1,2,3-Trichloropropane

Concen: 20.91 ug/l m

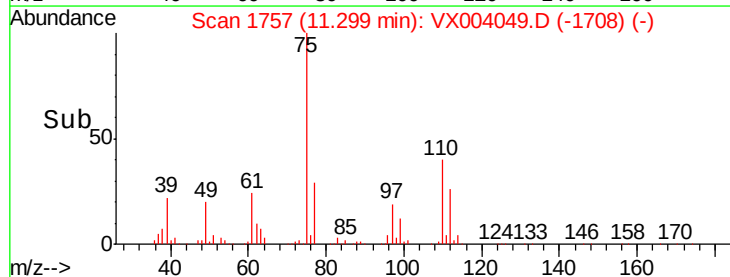
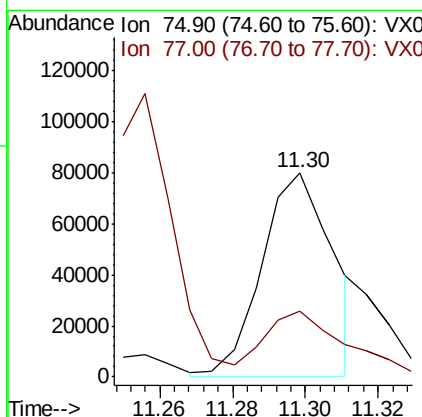
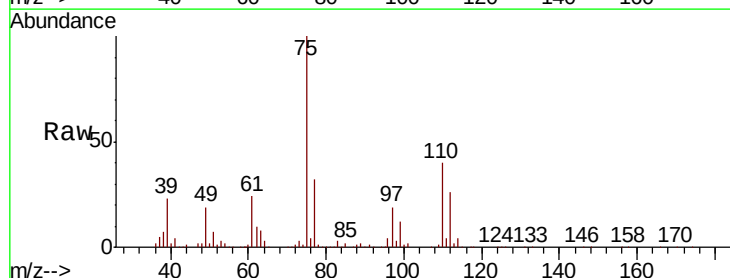
RT: 11.30 min Scan# 1757

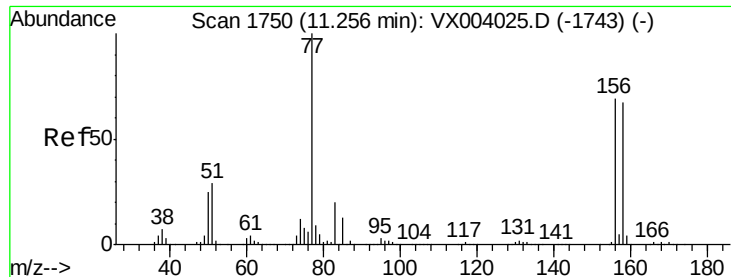
Delta R.T. -0.00 min

Lab File: VX004049.D

Acq: 15 Aug 2018 01:15

Tgt Ion:	75	Resp:	108319
Ion	Ratio	Lower	Upper
75	100		
77	37.3	20.8	62.5





#77

Bromobenzene

Concen: 20.00 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004049.D

Acq: 15 Aug 2018 01:15

Instrument :

MSVOA_X

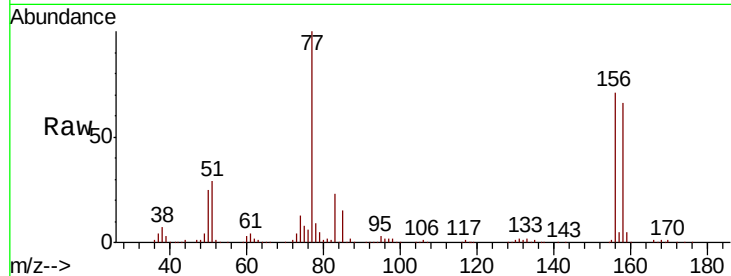
ClientSampleId :

VX0814WBSD02

Tot Ion:	156	Resp:	96366
Ion	Ratio	Lower	Upper
156	100		
77	144.8	74.1	222.2
158	96.0	48.6	145.9

Manual Integrations
APPROVED

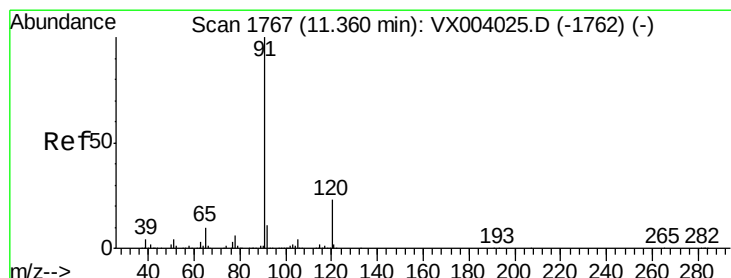
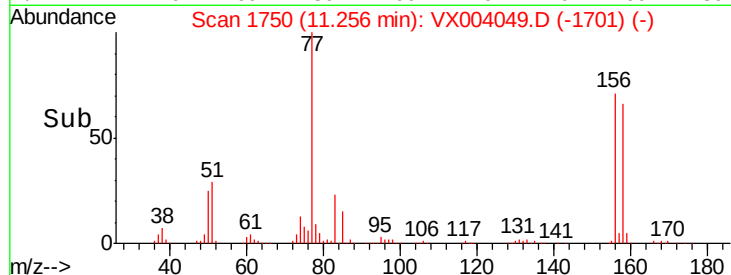
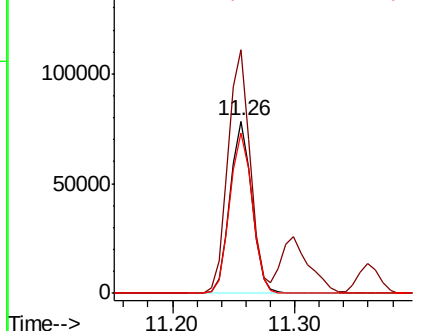
MMDadoda
8/15/2018 4:49:57 PM



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: 20.18 ug/l

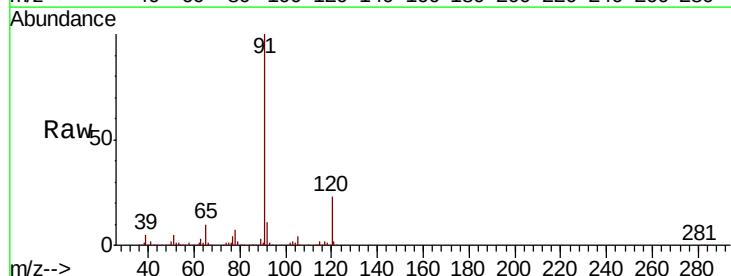
RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004049.D

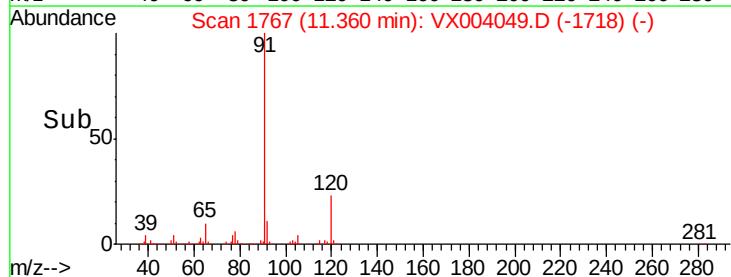
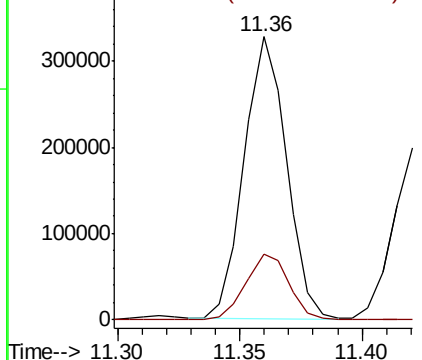
Acq: 15 Aug 2018 01:15

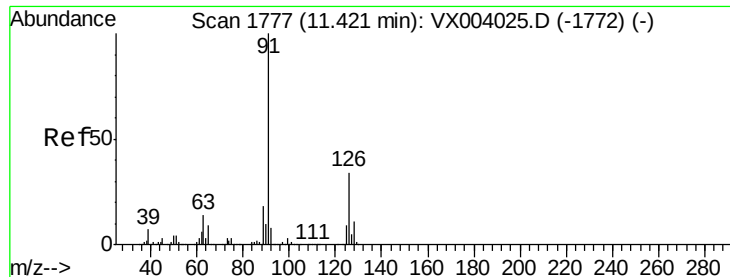
Tgt Ion:	91	Resp:	394776
Ion	Ratio	Lower	Upper
91	100		
120	24.0	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.47 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004049.D

Acq: 15 Aug 2018 01:15

Instrument :

MSVOA_X

ClientSampled :

VX0814WBSD02

Tot Ion: 91 Resp: 244045

Ion Ratio Lower Upper

91 100

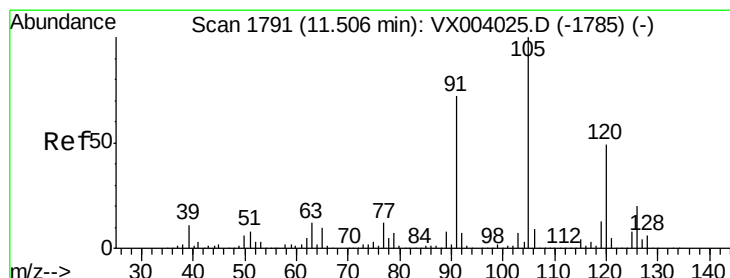
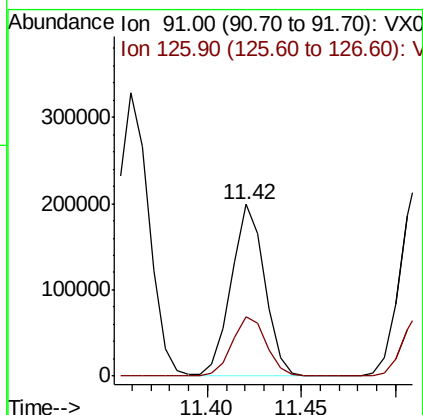
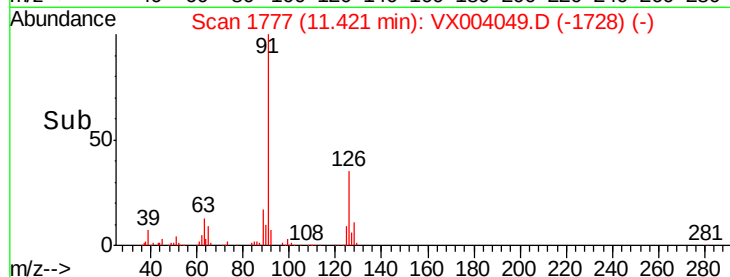
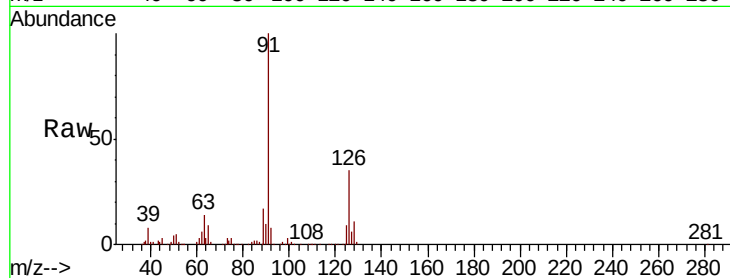
126 35.8 17.4 52.3

Manual Integrations

APPROVED

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#80

1,3,5-Trimethylbenzene

Concen: 20.52 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004049.D

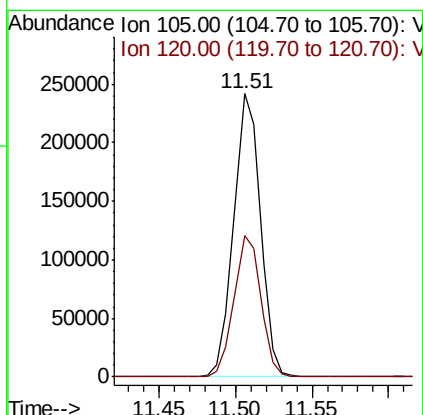
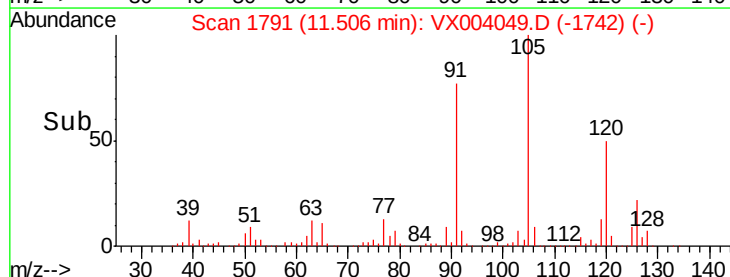
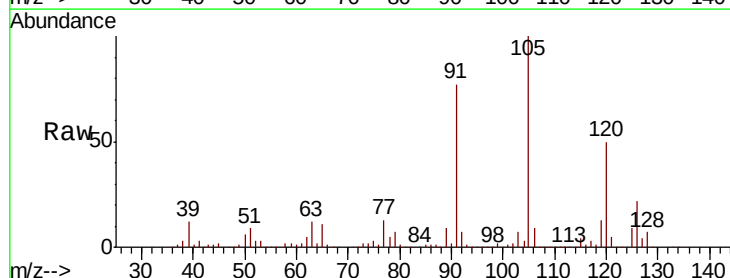
Acq: 15 Aug 2018 01:15

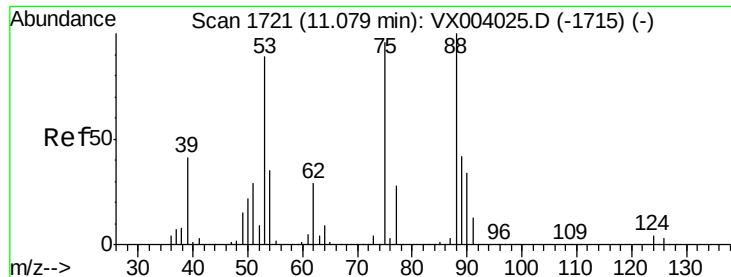
Tgt Ion: 105 Resp: 293752

Ion Ratio Lower Upper

105 100

120 50.3 25.4 76.2





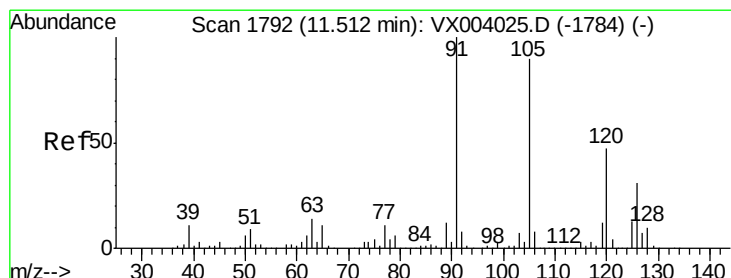
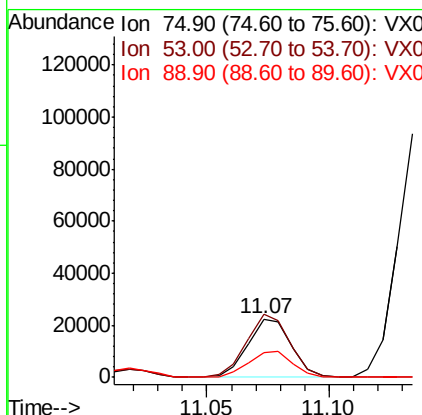
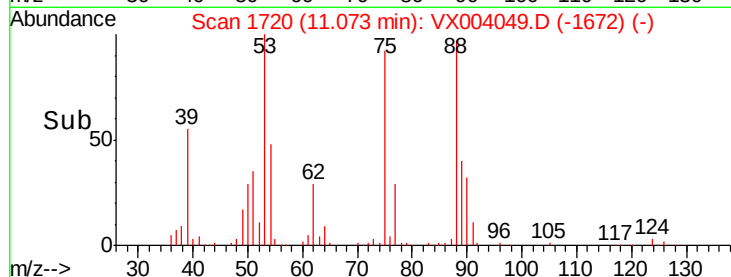
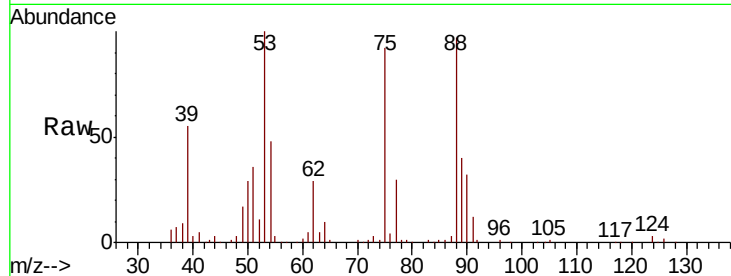
#81
trans-1,4-Dichloro-2-butene
Concen: 16.65 ug/l
RT: 11.07 min Scan# 1720
Delta R.T. -0.01 min
Lab File: VX004049.D
Acq: 15 Aug 2018 01:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.3	80.3	120.5
89	45.3	37.8	56.8

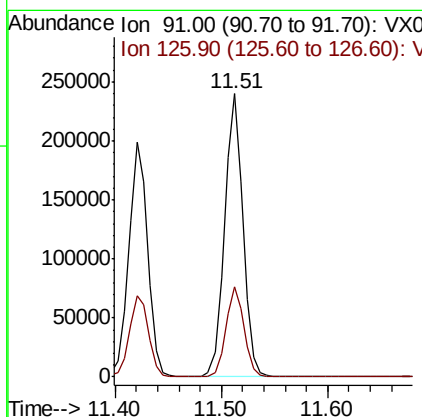
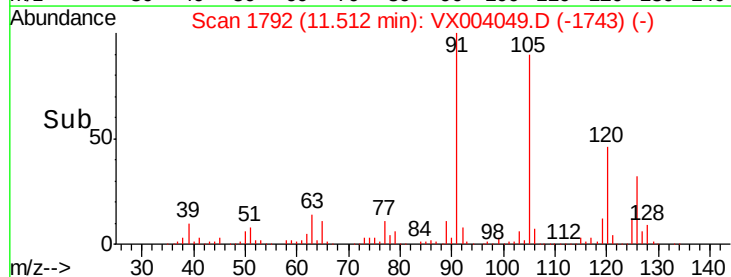
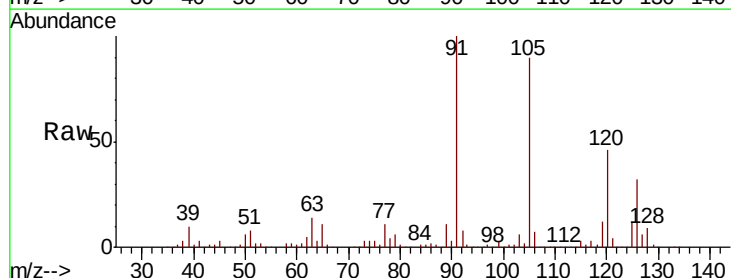
Manual Integrations
APPROVED

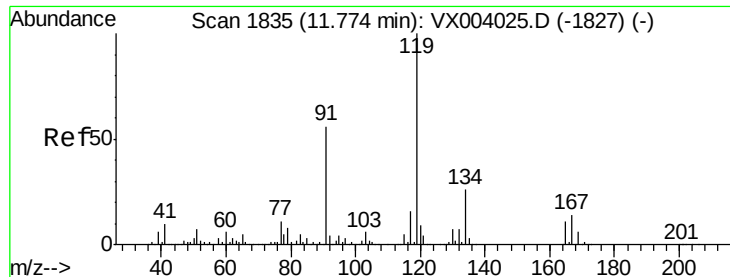
MMDadoda
8/15/2018 4:49:57 PM



#82
4-Chlorotoluene
Concen: 20.45 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004049.D
Acq: 15 Aug 2018 01:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.6	46.7





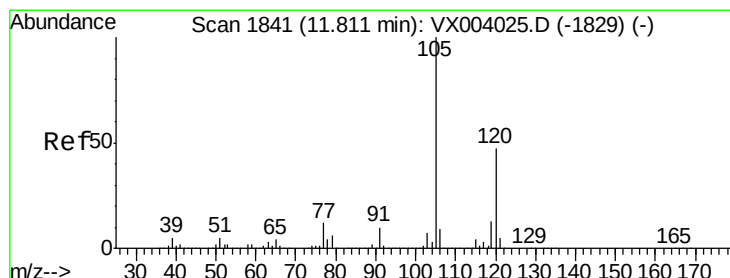
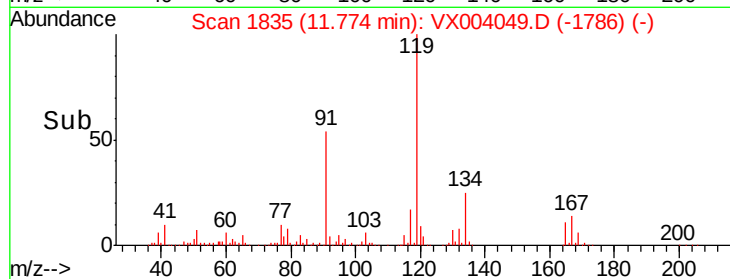
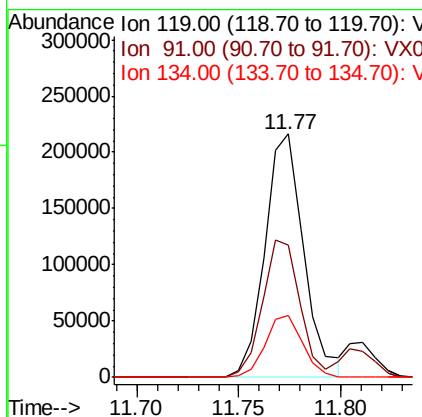
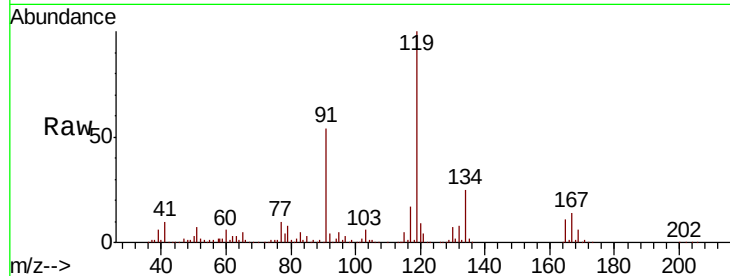
#83
 tert-Butylbenzene
 Concen: 19.85 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004049.D
 Acq: 15 Aug 2018 01:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0814WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	286501		
91	54.6	26.9	80.7	
134	24.5	12.0	36.0	

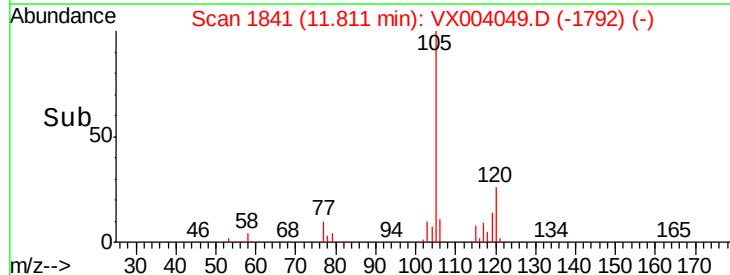
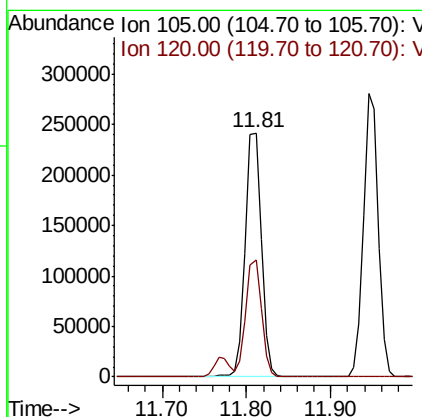
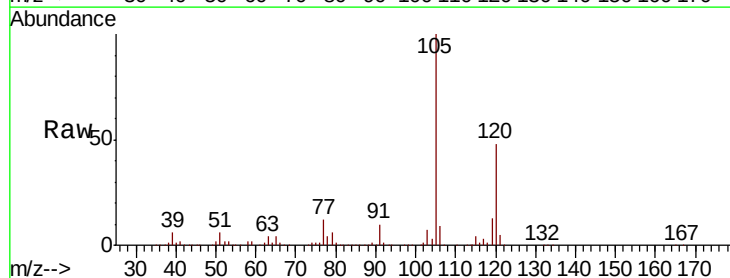
Manual Integrations
 APPROVED

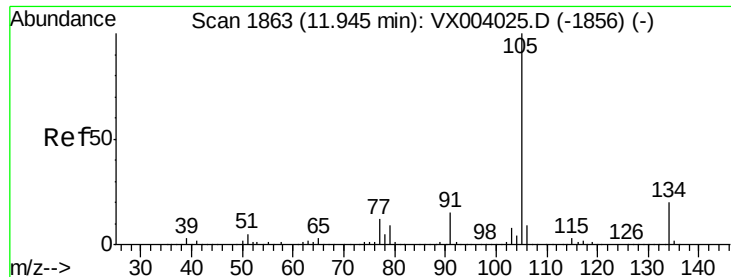
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 8/15/2018 4:49:57 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.76 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004049.D
 Acq: 15 Aug 2018 01:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	307843		
120	46.5	23.1	69.2	





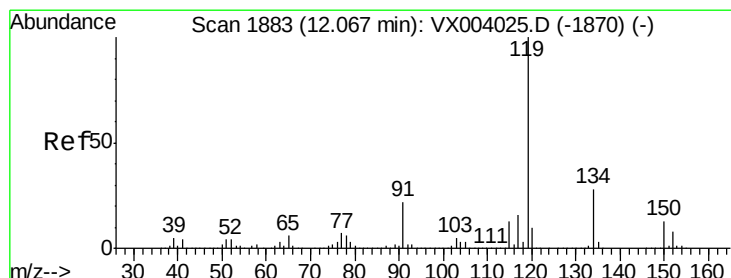
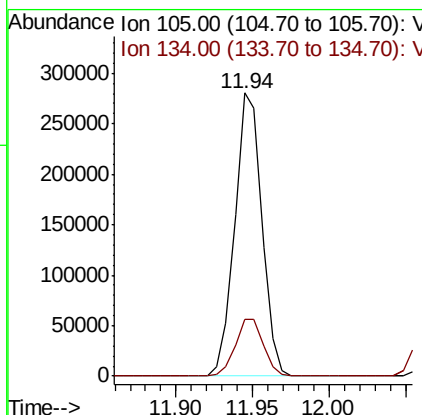
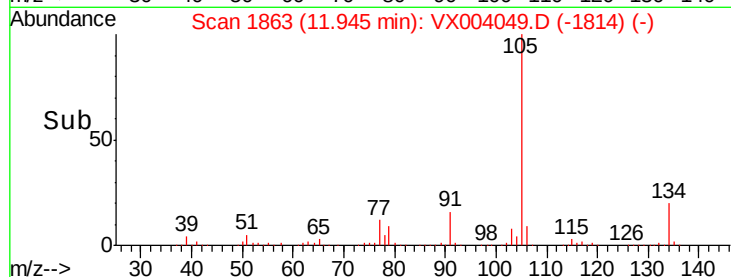
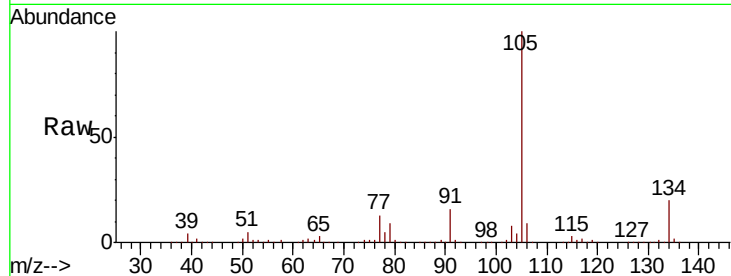
#85
 sec-Butylbenzene
 Concen: 20.36 ug/l
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.00 min
 Lab File: VX004049.D
 Acq: 15 Aug 2018 01:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0814WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.3	30.9

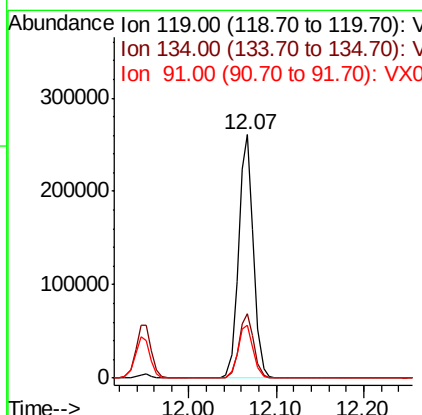
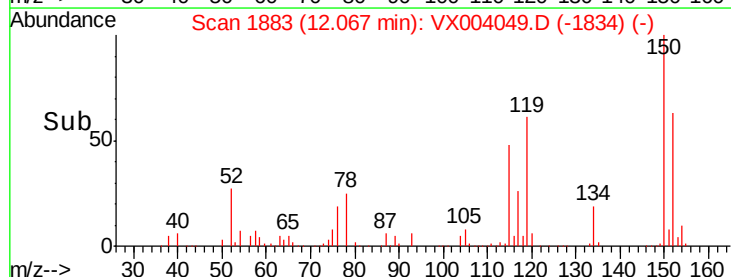
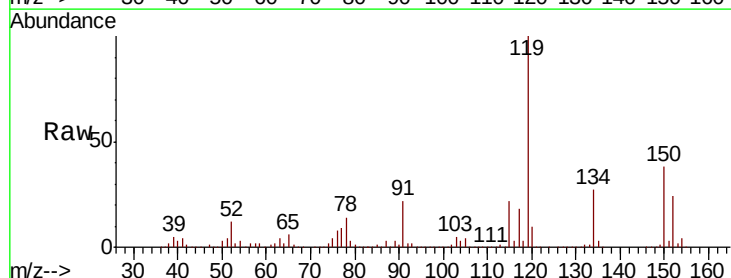
Manual Integrations
 APPROVED

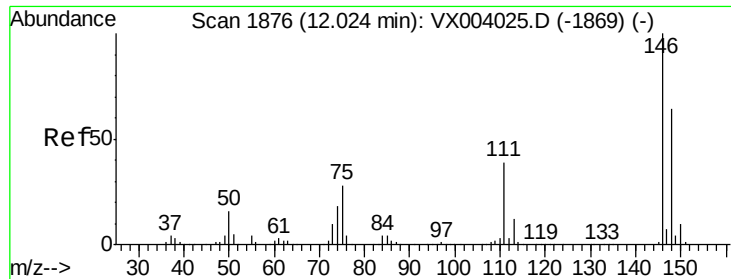
MMDadoda
 8/15/2018 4:49:57 PM



#86
 p-Isopropyltoluene
 Concen: 20.25 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX004049.D
 Acq: 15 Aug 2018 01:15

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.3	39.8
91	22.3	10.9	32.7





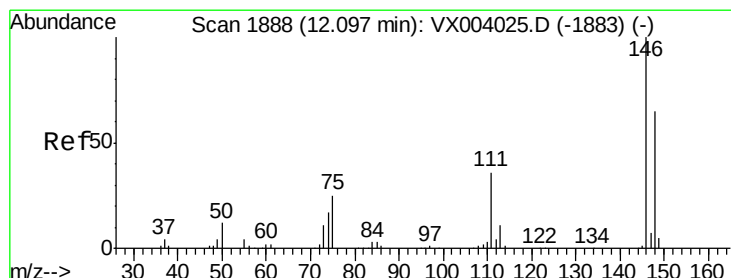
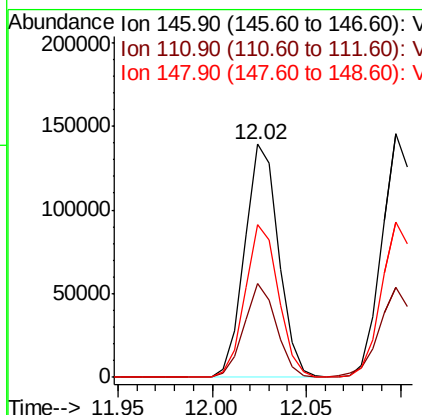
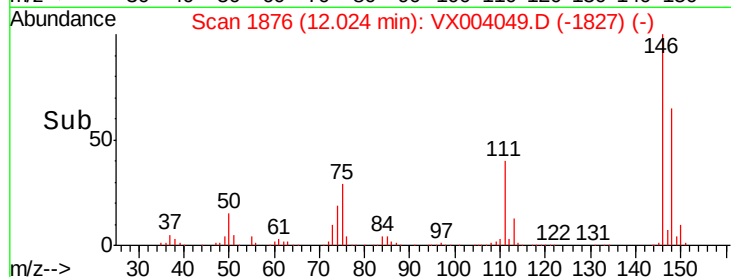
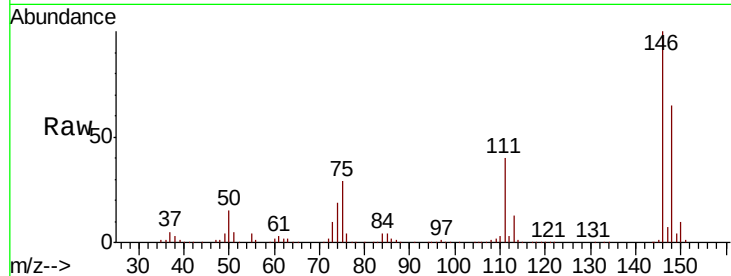
#87
 1,3-Dichlorobenzene
 Concen: 18.98 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004049.D
 Acq: 15 Aug 2018 01:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0814WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.8	56.4
148	64.5	31.9	95.5

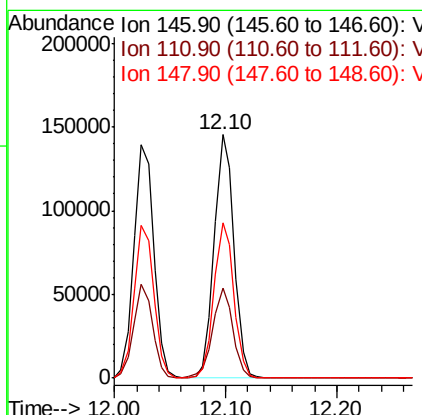
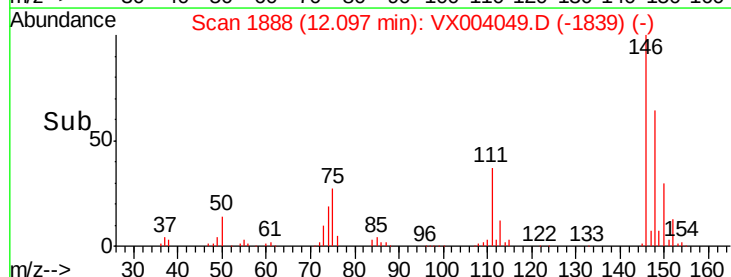
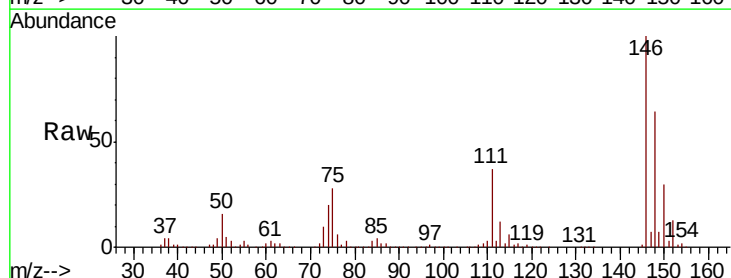
Manual Integrations
 APPROVED

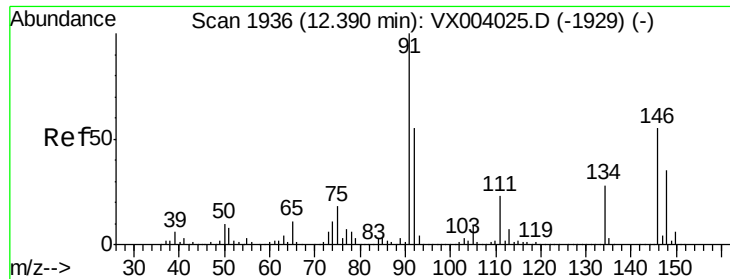
MMDadoda
 8/15/2018 4:49:57 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.92 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004049.D
 Acq: 15 Aug 2018 01:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.4	55.0
148	64.2	32.3	96.8





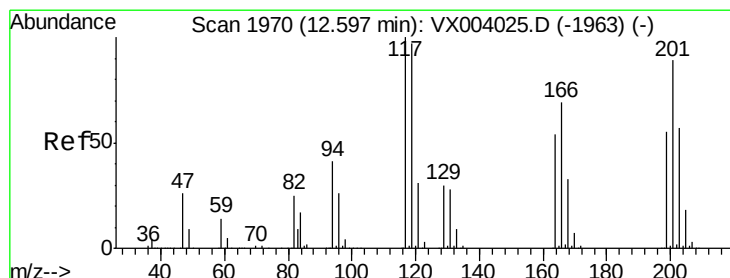
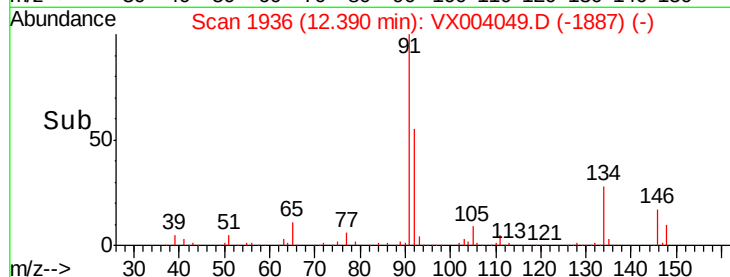
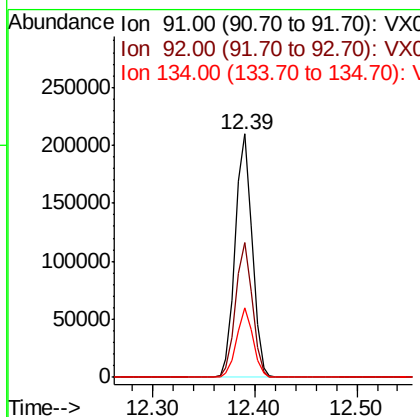
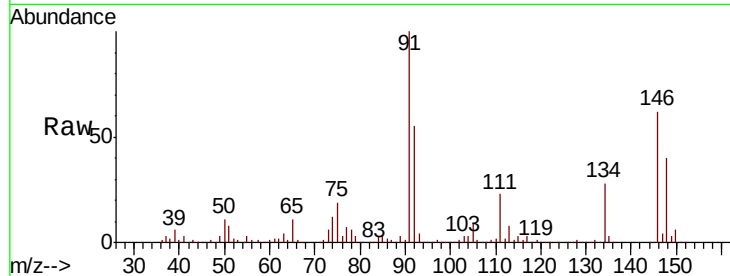
#89
n-Butylbenzene
Concen: 19.78 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004049.D
Acq: 15 Aug 2018 01:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.1	81.3
134	27.3	13.6	40.7

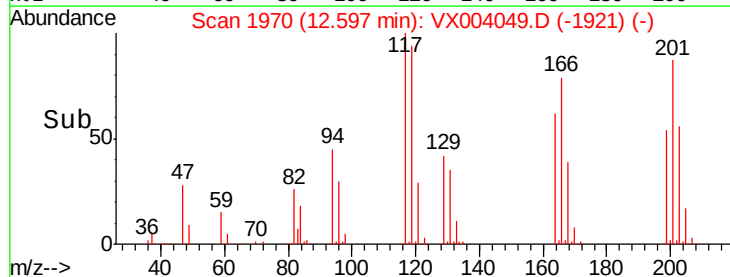
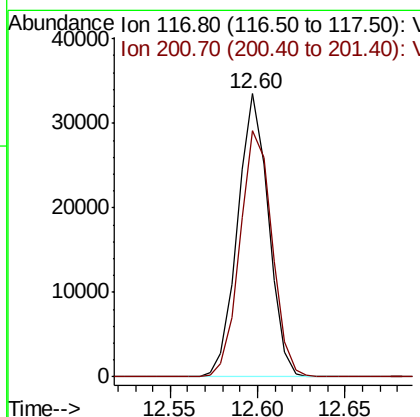
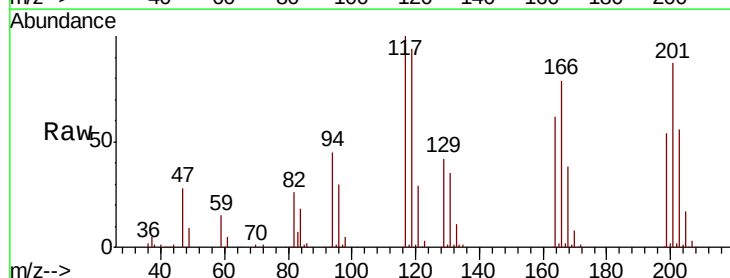
Manual Integrations
APPROVED

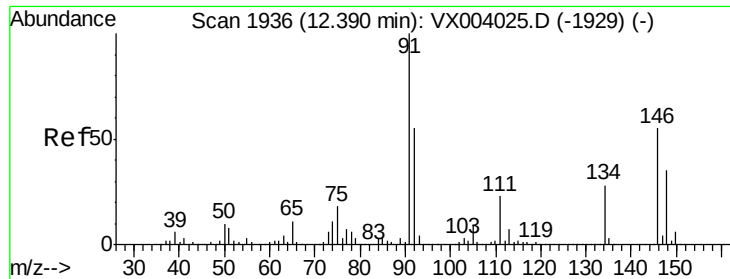
MMDadoda
8/15/2018 4:49:57 PM



#90
Hexachloroethane
Concen: 17.99 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004049.D
Acq: 15 Aug 2018 01:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.3	46.1	138.2





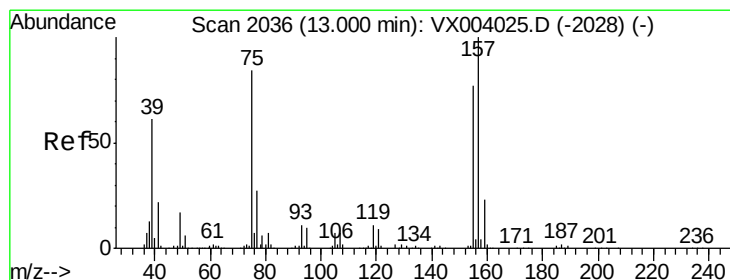
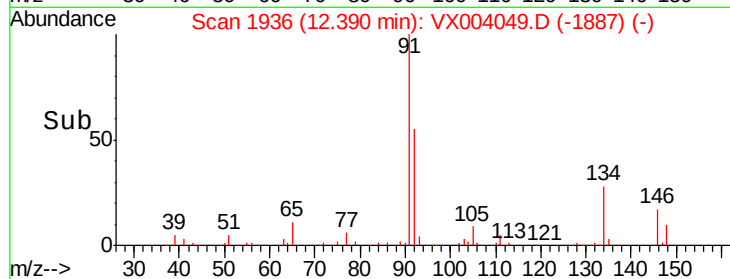
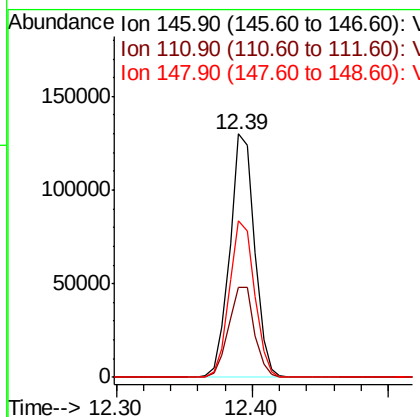
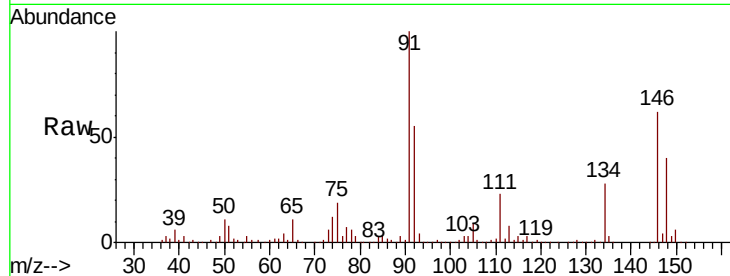
#91
 1,2-Dichlorobenzene
 Concen: 19.89 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX004049.D
 Acq: 15 Aug 2018 01:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0814WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.0
148	65.2	31.9	95.5

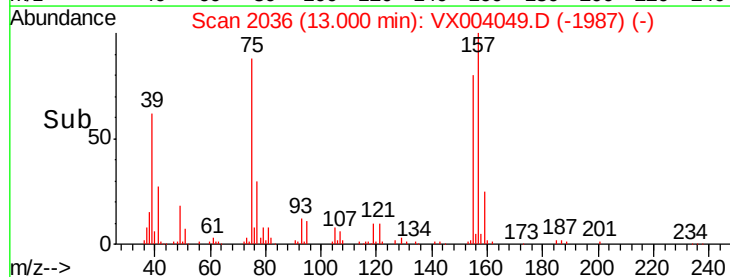
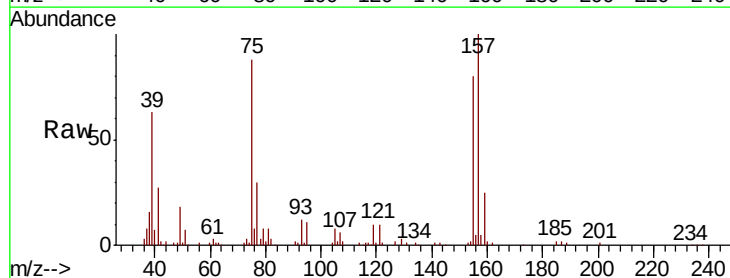
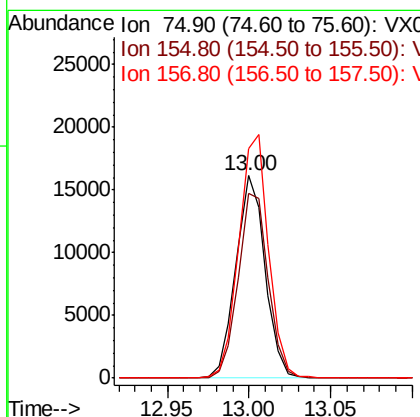
Manual Integrations
 APPROVED

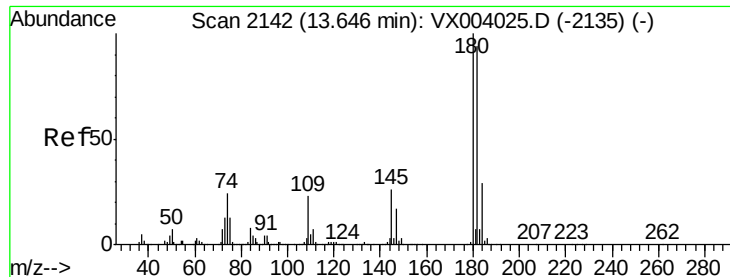
MMDadoda
 8/15/2018 4:49:57 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.74 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004049.D
 Acq: 15 Aug 2018 01:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.0	48.7	146.1
157	122.0	62.6	187.8





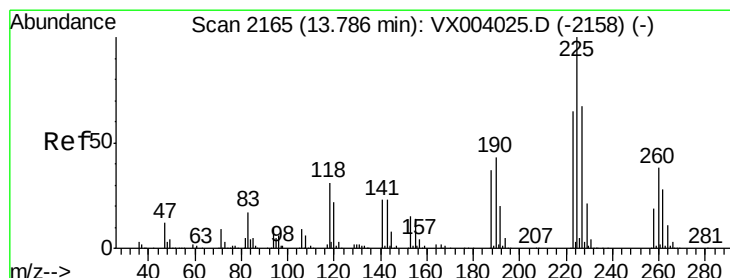
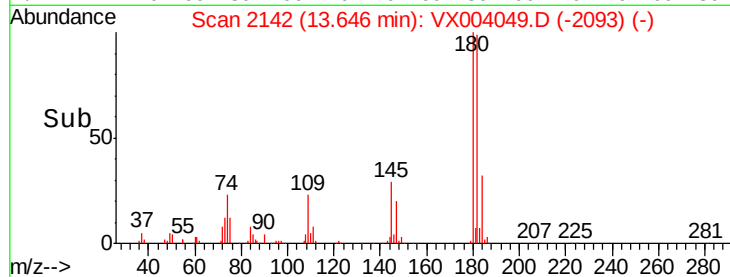
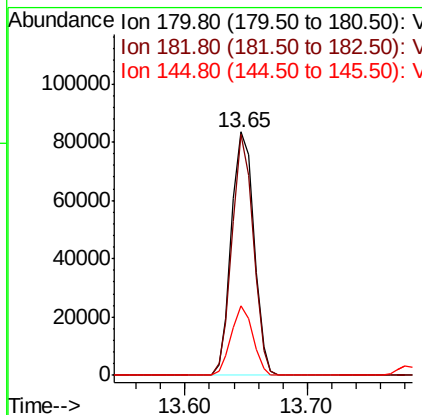
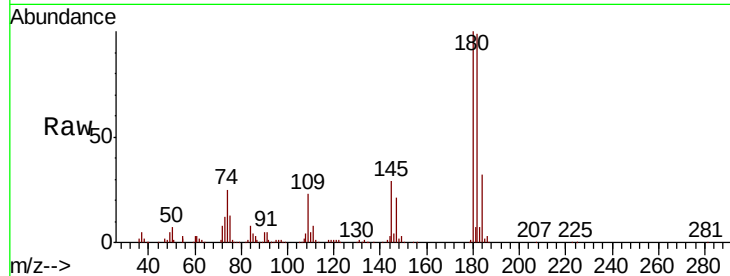
#93
 1,2,4-Trichlorobenzene
 Concen: 18.76 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004049.D
 Acq: 15 Aug 2018 01:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0814WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	106297		
182	93.0	47.7	143.1	
145	27.4	13.9	41.6	

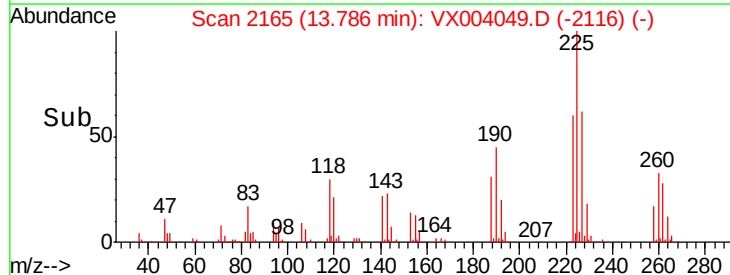
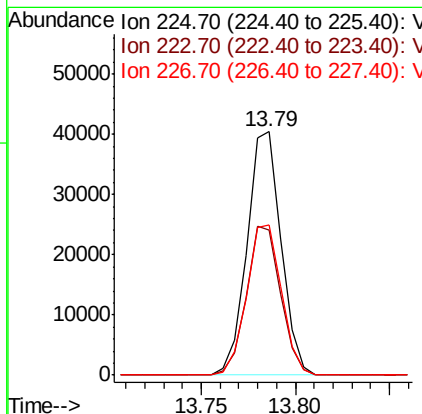
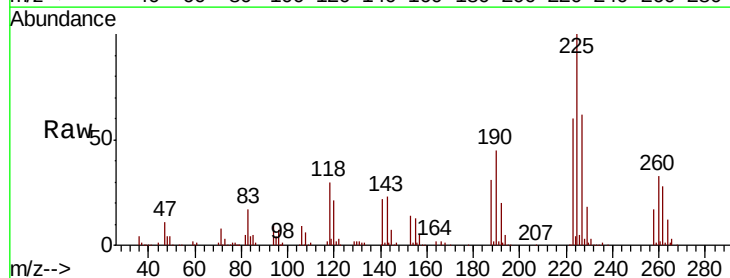
Manual Integrations
 APPROVED

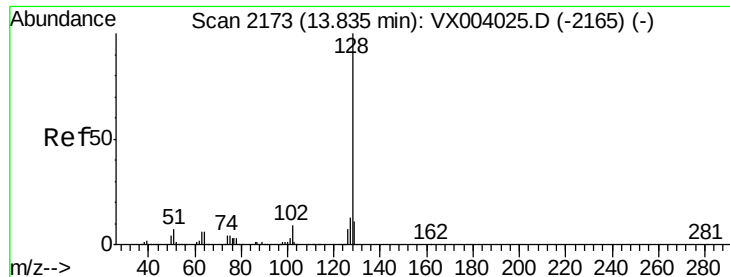
MMDadoda
 8/15/2018 4:49:57 PM



#94
 Hexachlorobutadiene
 Concen: 17.82 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004049.D
 Acq: 15 Aug 2018 01:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	50614		
223	61.7	31.4	94.0	
227	63.2	32.1	96.5	





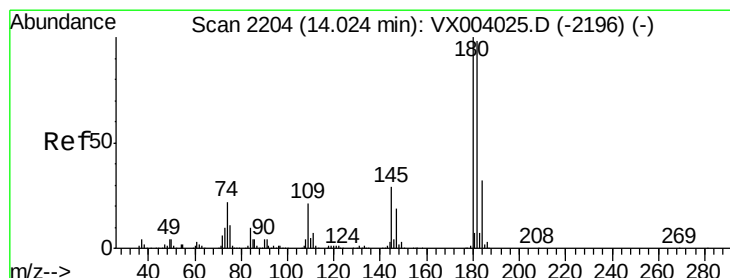
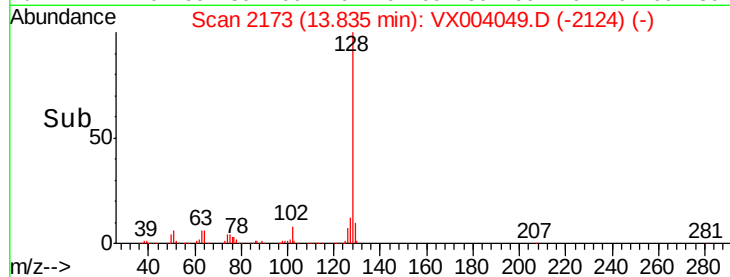
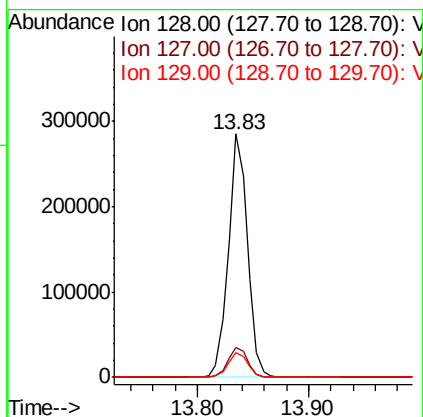
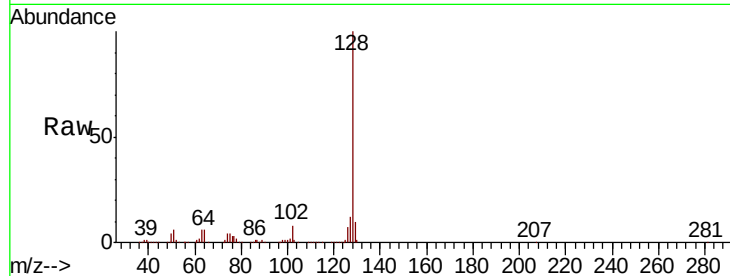
#95
Naphthalene
Concen: 19.34 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX004049.D
Acq: 15 Aug 2018 01:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.6	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/15/2018 4:49:57 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.11 ug/l
RT: 14.02 min Scan# 2203
Delta R.T. -0.01 min
Lab File: VX004049.D
Acq: 15 Aug 2018 01:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	48.1	144.4
145	30.3	14.9	44.7

