

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052918\
 Data File : VX002106.D
 Acq On : 29 May 2018 21:06
 Operator : JC/MD
 Sample : VX0529MBS01
 Misc : 5.00G/10mL/100uL/5mL/MSVOA_X/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0529MBS01

Manual Integrations
 APPROVED

MMDadoda
 5/30/2018 1:51:00 PM

Quant Time: May 30 08:09:20 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	313695	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	449758	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	406360	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	258817	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	229652	40.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.92%	
35) Dibromofluoromethane	5.51	113	175710	39.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.14%	
50) Toluene-d8	8.72	98	642737	39.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.94%	
62) 4-Bromofluorobenzene	11.14	95	248108	38.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	68254	16.00	ug/l	96
3) Chloromethane	1.32	50	86790	17.98	ug/l	100
4) Vinyl Chloride	1.40	62	84809	18.20	ug/l	100
5) Bromomethane	1.64	94	42326	19.14	ug/l	93
6) Chloroethane	1.73	64	55653	20.26	ug/l	100
7) Trichlorofluoromethane	1.93	101	137230	19.61	ug/l	99
8) Diethyl Ether	2.19	74	53608	21.11	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	75552	19.35	ug/l	99
10) Methyl Iodide	2.51	142	69580	13.17	ug/l	98
11) Tert butyl alcohol	3.08	59	110721	100.59	ug/l	97
12) 1,1-Dichloroethene	2.37	96	72528	19.84	ug/l	99
13) Acrolein	2.30	56	42314	88.91	ug/l	98
14) Allyl chloride	2.73	41	151297	19.71	ug/l	100
15) Acrylonitrile	3.15	53	230959	102.04	ug/l	99
16) Acetone	2.45	43	209533	96.83	ug/l	99
17) Carbon Disulfide	2.57	76	190395	18.09	ug/l	99
18) Methyl Acetate	2.78	43	112786	20.97	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	281658	20.48	ug/l	99
20) Methylene Chloride	2.86	84	83354	21.29	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	76715	20.62	ug/l	99
22) Diisopropyl ether	3.88	45	301716	19.33	ug/l	99
23) Vinyl Acetate	3.83	43	1322094	102.14	ug/l	98
24) 1,1-Dichloroethane	3.70	63	152173	20.52	ug/l	98
25) 2-Butanone	4.71	43	354820	89.46	ug/l	99
26) 2,2-Dichloropropane	4.59	77	114536	15.26	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	88647	18.59	ug/l	89
28) Bromochloromethane	5.02	49	80302	24.74	ug/l	100
29) Tetrahydrofuran	5.17	42	233046	90.31	ug/l	100
30) Chloroform	5.22	83	150704	18.04	ug/l	98
31) Cyclohexane	5.57	56	138943	17.98	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	138073	17.73	ug/l	99
36) 1,1-Dichloropropene	5.80	75	108699	17.38	ug/l	98
37) Ethyl Acetate	4.87	43	141975	17.41	ug/l	100
38) Carbon Tetrachloride	5.79	117	118367	16.23	ug/l	97

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Manual Integrations
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MMDadoda
 5/30/2018 1:51:00 PM

Quant Time: May 30 08:09:20 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	136981	17.82	ug/l	99
40) Benzene	6.15	78	332240	18.13	ug/l	99
41) Methacrylonitrile	5.07	41	80800	17.90	ug/l	99
42) 1,2-Dichloroethane	6.20	62	131723	17.99	ug/l	99
43) Isopropyl Acetate	6.47	43	237196	17.45	ug/l	100
44) Trichloroethene	7.22	130	96445	18.06	ug/l	99
45) 1,2-Dichloropropane	7.52	63	89637	18.01	ug/l	99
46) Dibromomethane	7.67	93	57971	17.59	ug/l	99
47) Bromodichloromethane	7.90	83	112563	16.02	ug/l	99
48) Methyl methacrylate	7.78	41	121266	17.53	ug/l	99
49) 1,4-Dioxane	7.76	88	42549	349.10	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	739115	90.22	ug/l	99
52) Toluene	8.79	92	210415	18.04	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	135047	16.69	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	125118	15.87	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	84752	17.39	ug/l	97
56) Ethyl methacrylate	9.19	69	142252	16.97	ug/l	98
57) 1,3-Dichloropropane	9.38	76	144460	18.00	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	326737	87.96	ug/l	100
59) 2-Hexanone	9.50	43	557526	88.26	ug/l	99
60) Dibromochloromethane	9.59	129	87508	15.16	ug/l	99
61) 1,2-Dibromoethane	9.68	107	89027	17.41	ug/l	99
64) Tetrachloroethene	9.34	164	108916	18.69	ug/l	99
65) Chlorobenzene	10.14	112	230788	17.93	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	87047	16.74	ug/l	100
67) Ethyl Benzene	10.26	91	411521	18.40	ug/l	99
68) m/p-Xylenes	10.37	106	319379	37.35	ug/l	100
69) o-Xylene	10.70	106	156933	18.38	ug/l	99
70) Styrene	10.72	104	250103	17.66	ug/l	99
71) Bromoform	10.86	173	68551	13.91	ug/l	99
73) Isopropylbenzene	11.02	105	410001	18.71	ug/l	99
74) N-amyl acetate	6.47	43	237196	18.90	ug/l	# 99
75) 1,1,2,2-Tetrachloroethane	11.27	83	119853	19.21	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	129296m	20.80	ug/l	
77) Bromobenzene	11.26	156	108788	18.71	ug/l	99
78) n-propylbenzene	11.37	91	461994	18.82	ug/l	99
79) 2-Chlorotoluene	11.43	91	276908	19.14	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	347192	18.54	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	36841	14.24	ug/l	91
82) 4-Chlorotoluene	11.52	91	320863	18.53	ug/l	99
83) tert-Butylbenzene	11.77	119	328894	17.89	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	373389	19.29	ug/l	99
85) sec-Butylbenzene	11.95	105	399834	18.10	ug/l	100
86) p-Isopropyltoluene	12.07	119	358002	18.11	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	189307	18.18	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	188907	18.14	ug/l	100
89) n-Butylbenzene	12.39	91	304256	18.16	ug/l	99
90) Hexachloroethane	12.60	117	59567	15.27	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	193542	18.24	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	32329	16.59	ug/l	97

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ClientSampleId :
VX0529MBSD01

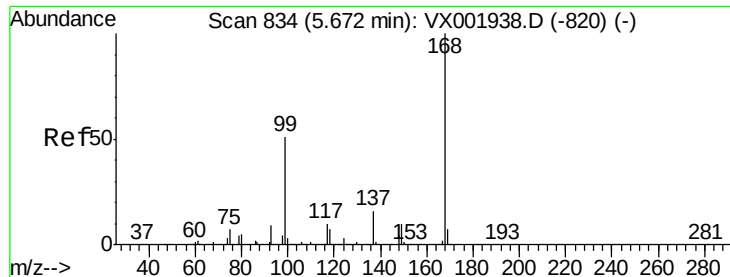
Manual Integrations
APPROVED

MMDadoda
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Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	136373	17.97	ug/l	99
94) Hexachlorobutadiene	13.79	225	70250	17.21	ug/l	100
95) Naphthalene	13.84	128	464034	19.85	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	142461	18.15	ug/l	100

(#) = 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. -0.01 min

Lab File: VX002106.D

Acq: 29 May 2018 21:06

Instrument :

MSVOA_X

ClientSampleId :

VX0529MBSD01

Tot Ion:168 Resp: 313695

Ion Ratio Lower Upper

168 100

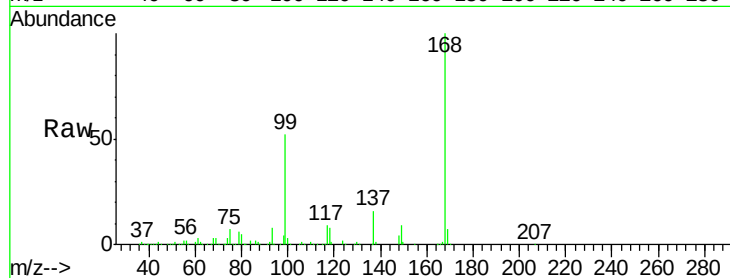
99 51.7 41.0 61.4

Manual Integrations

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5/30/2018 1:51:00 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

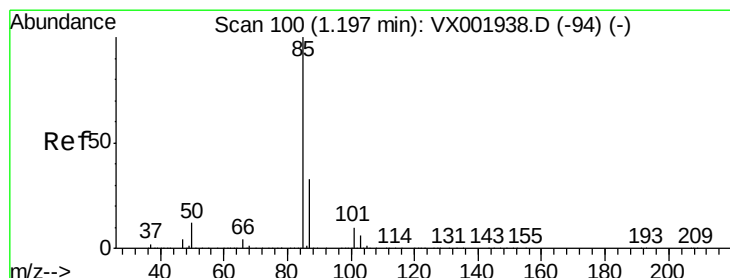
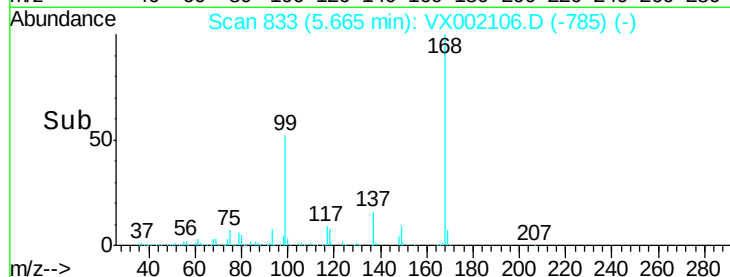
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 16.00 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002106.D

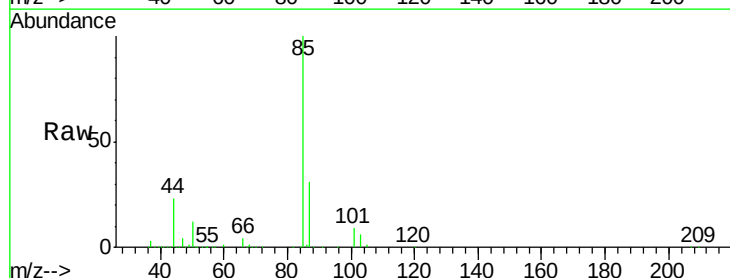
Acq: 29 May 2018 21:06

Tgt Ion: 85 Resp: 68254

Ion Ratio Lower Upper

85 100

87 30.8 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

80000

60000

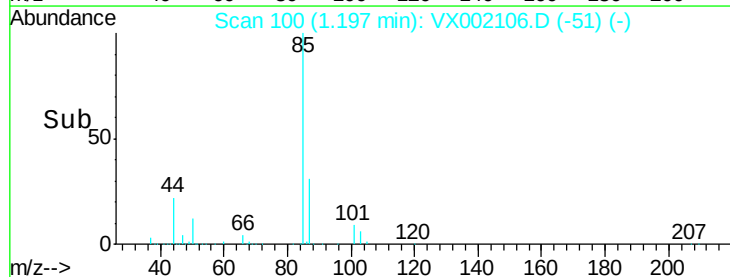
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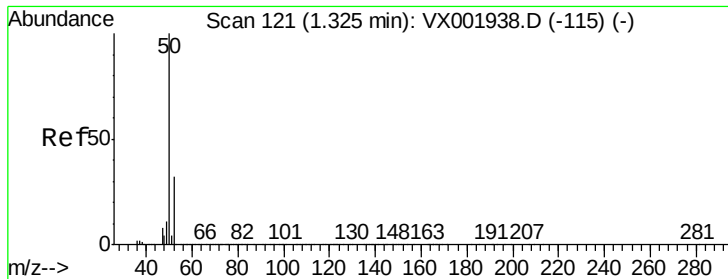
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 17.98 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002106.D

Acq: 29 May 2018 21:06

Instrument :

MSVOA_X

ClientSampleId :

VX0529MBSD01

Tot Ion: 50 Resp: 86790

Ion Ratio Lower Upper

50 100

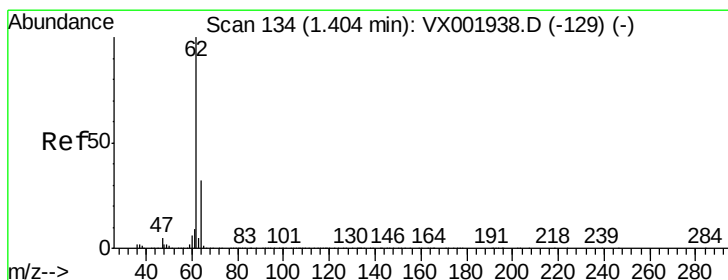
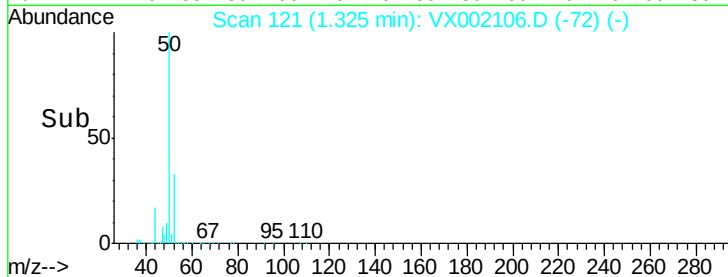
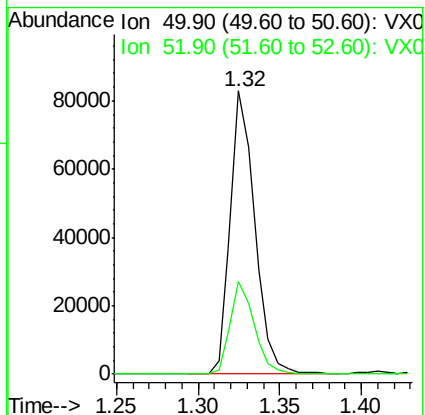
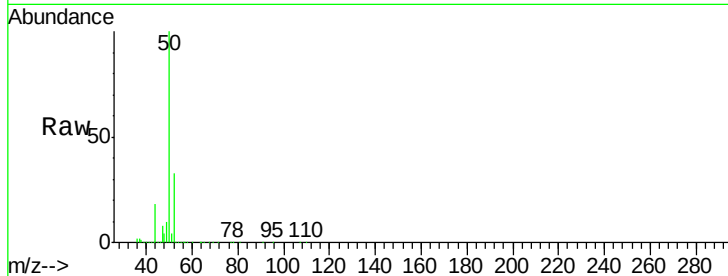
52 32.6 26.0 39.0

Manual Integrations

APPROVED

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5/30/2018 1:51:00 PM



#4

Vinyl Chloride

Concen: 18.20 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX002106.D

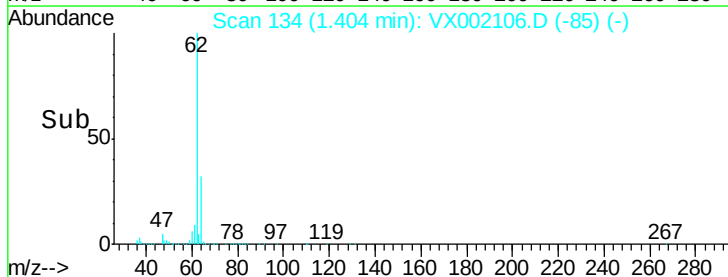
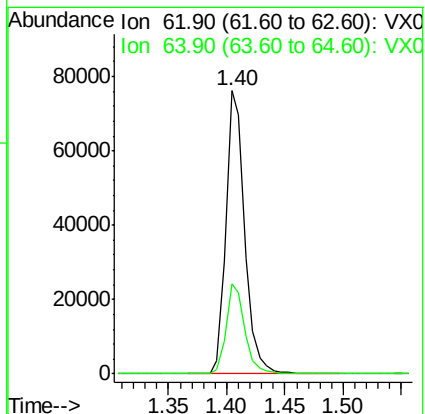
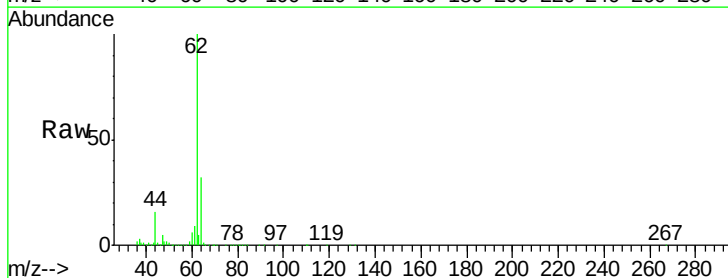
Acq: 29 May 2018 21:06

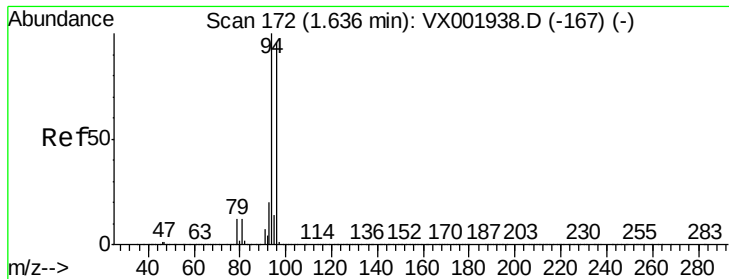
Tgt Ion: 62 Resp: 84809

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.0





#5

Bromomethane

Concen: 19.14 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002106.D

Acq: 29 May 2018 21:06

Instrument :

MSVOA_X

ClientSampleId :

VX0529MBSD01

Tot Ion: 94 Resp: 42326

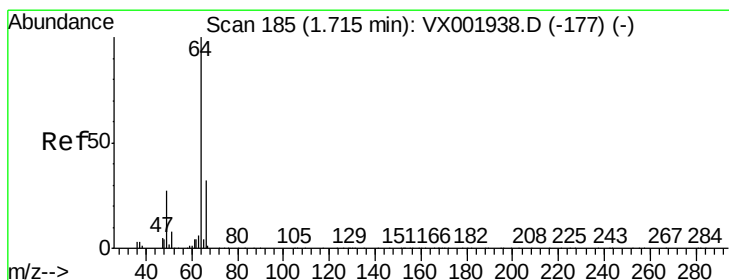
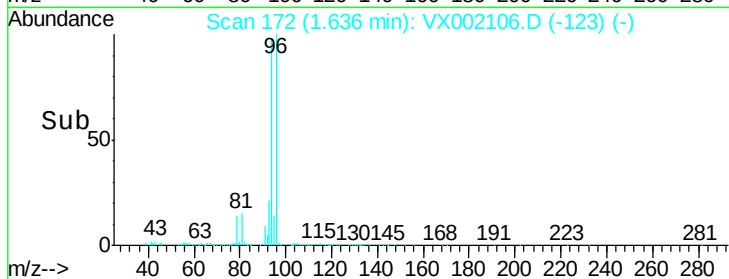
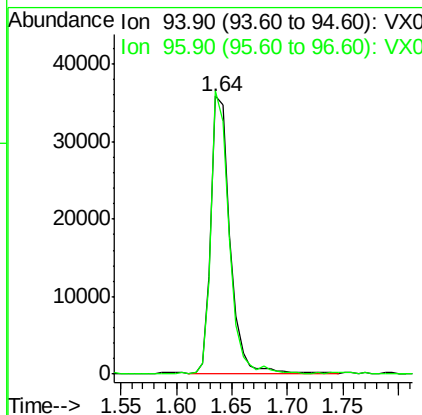
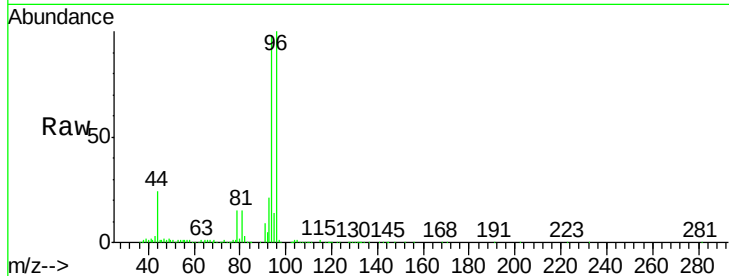
Ion Ratio Lower Upper

94 100

96 101.8 75.9 113.9

Manual Integrations
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#6

Chloroethane

Concen: 20.26 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002106.D

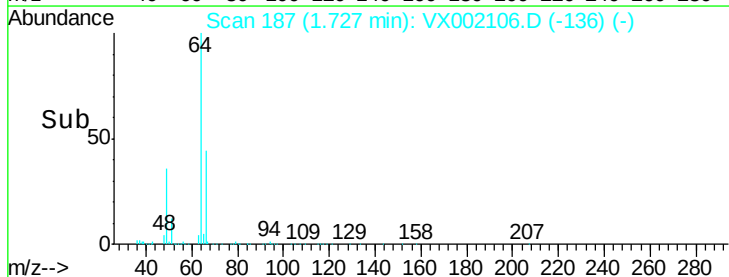
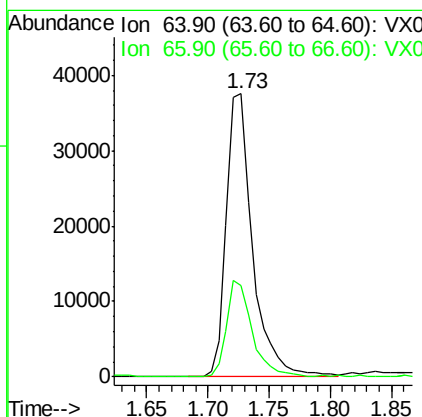
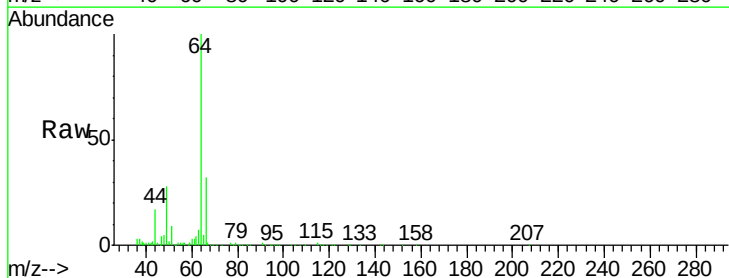
Acq: 29 May 2018 21:06

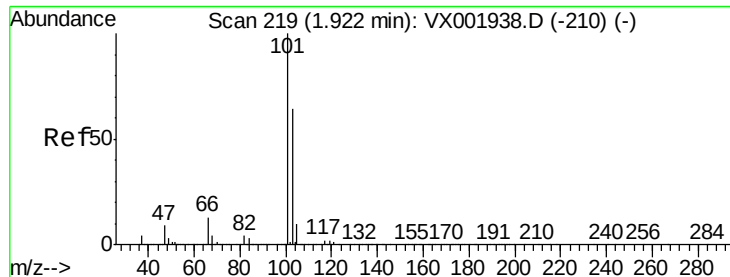
Tgt Ion: 64 Resp: 55653

Ion Ratio Lower Upper

64 100

66 32.0 25.6 38.4





#7

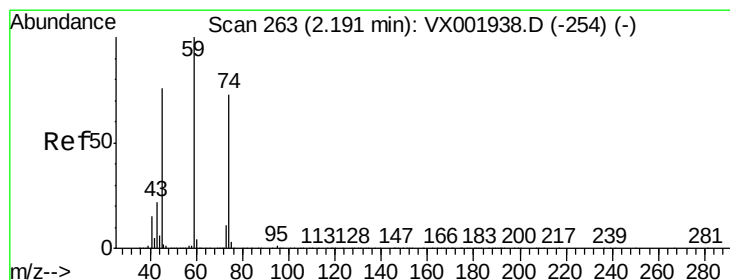
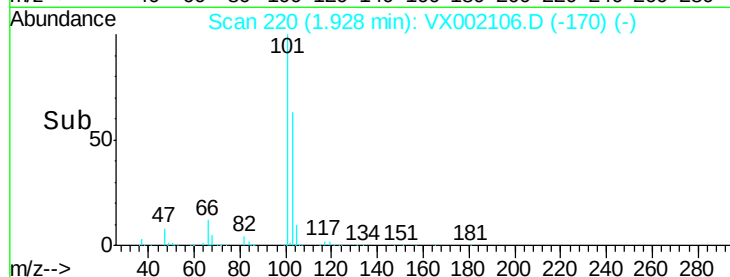
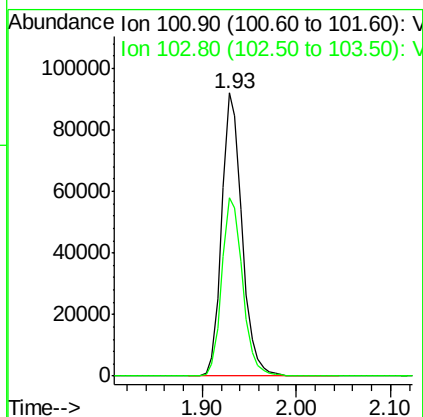
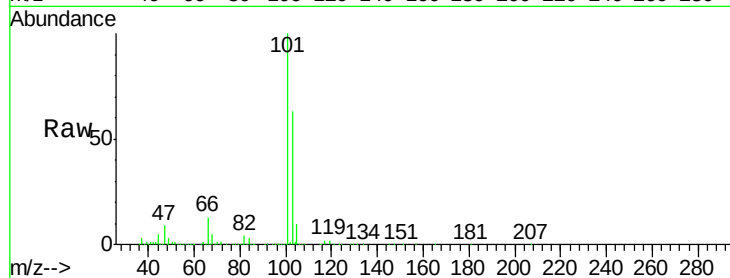
Trichlorofluoromethane
Concen: 19.61 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX002106.D
Acq: 29 May 2018 21:06

Instrument :
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ClientSampleId :
VX0529MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	51.4	77.0

Manual Integrations
APPROVED

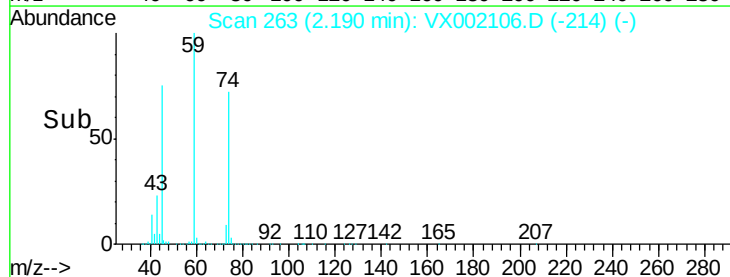
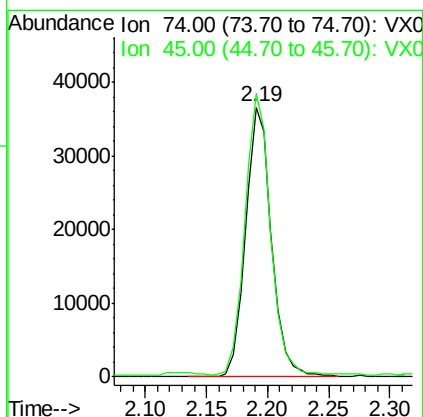
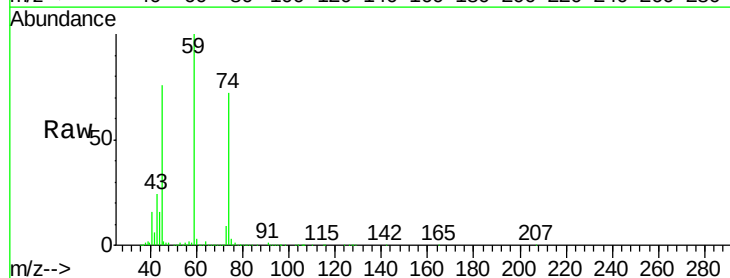
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5/30/2018 1:51:00 PM

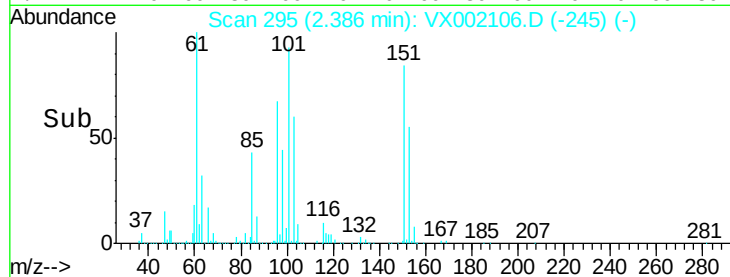
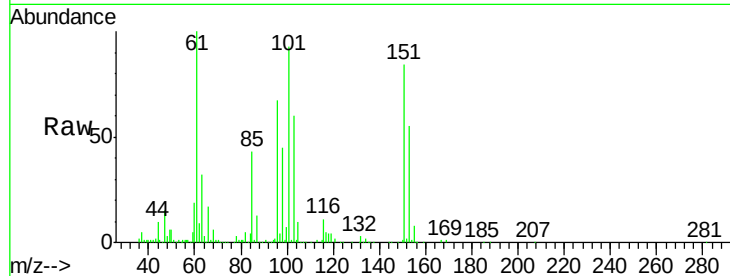
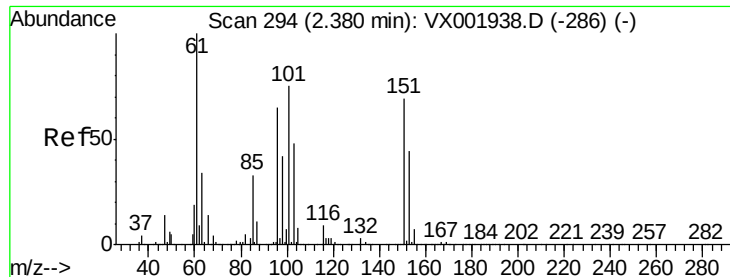


#8

Diethyl Ether
Concen: 21.11 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX002106.D
Acq: 29 May 2018 21:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.4	51.5	154.7





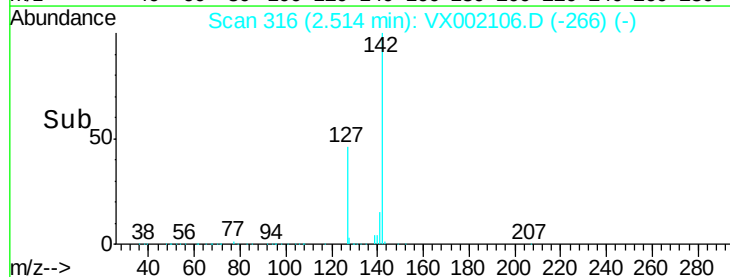
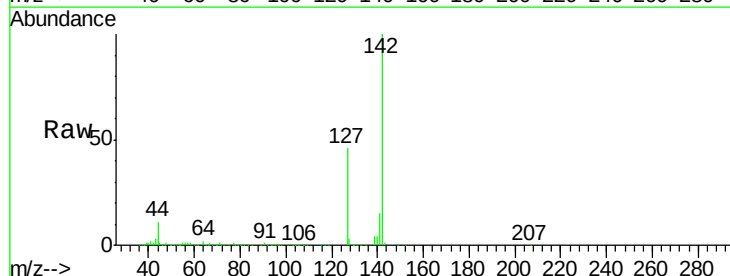
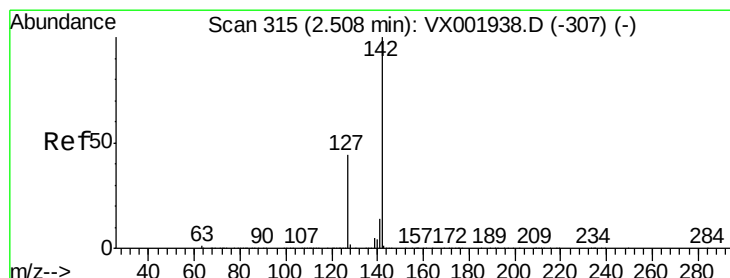
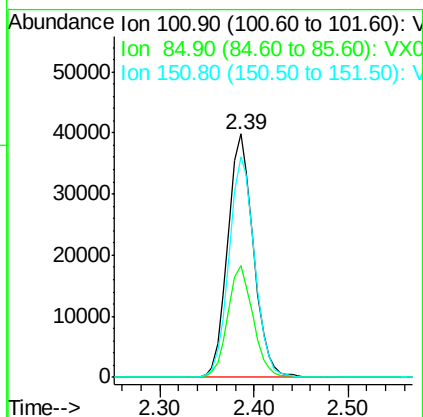
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.35 ug/l
RT: 2.39 min Scan# 295
Delta R.T. 0.01 min
Lab File: VX002106.D
Acq: 29 May 2018 21:06

Instrument :
MSVOA_X
ClientSampleId :
VX0529MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	75552		
85	45.5	35.6	53.4	
151	90.4	73.2	109.8	

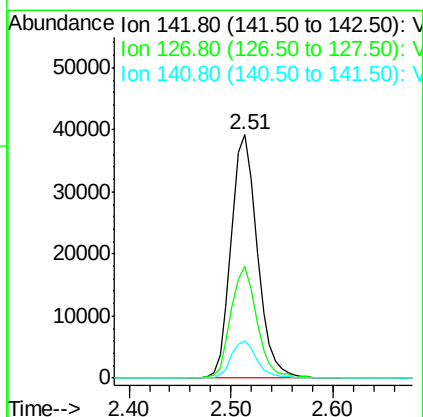
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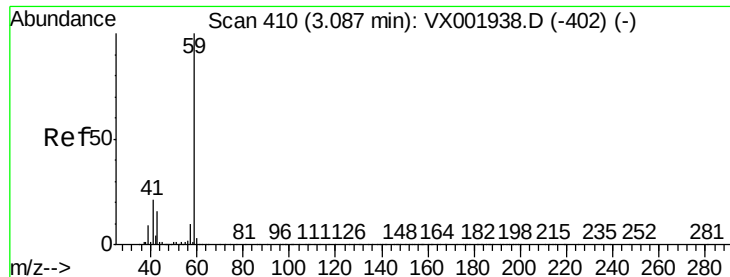
MMDadoda
5/30/2018 1:51:00 PM



#10
Methyl Iodide
Concen: 13.17 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX002106.D
Acq: 29 May 2018 21:06

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	69580		
127	45.5	35.5	53.3	
141	15.0	11.3	16.9	





#11

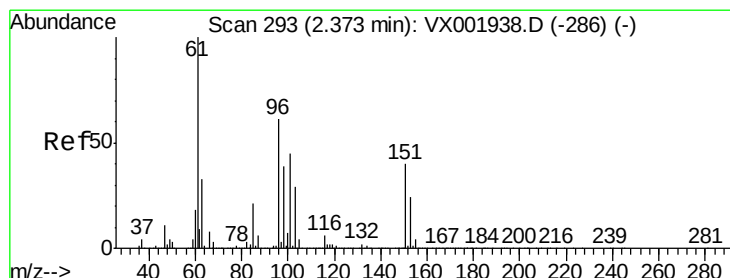
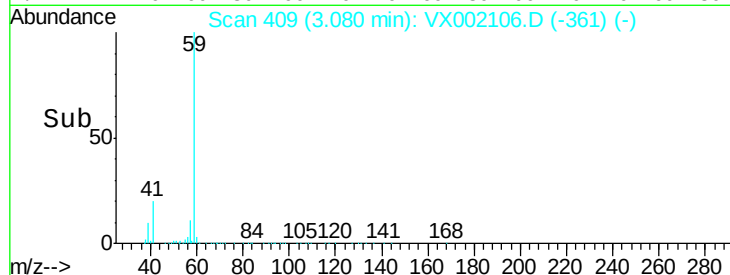
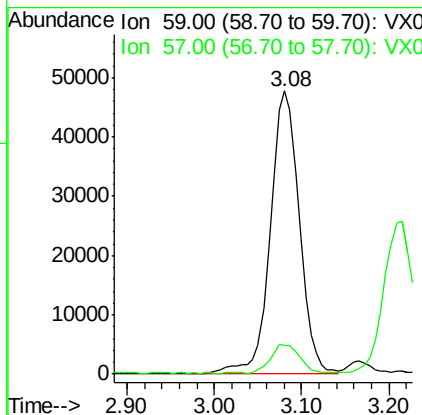
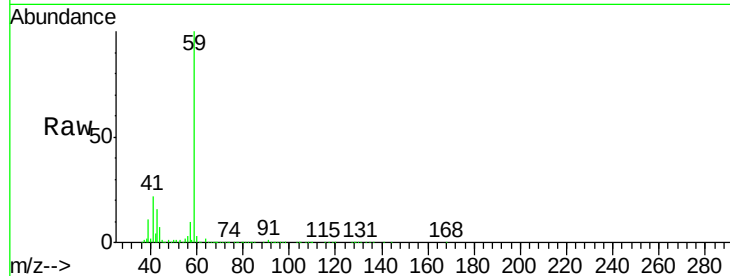
Tert butyl alcohol
 Concen: 100.59 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. -0.01 min
 Lab File: VX002106.D
 Acq: 29 May 2018 21:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0529MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	110721		
57	57	10.0		8.9	13.3

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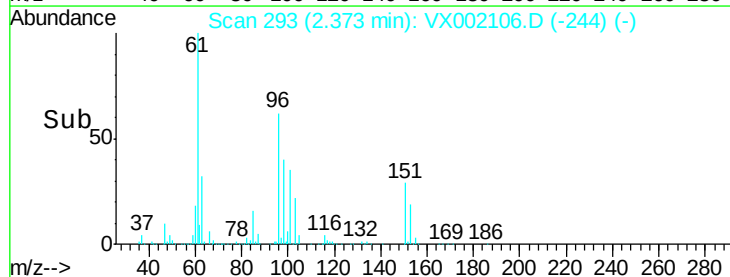
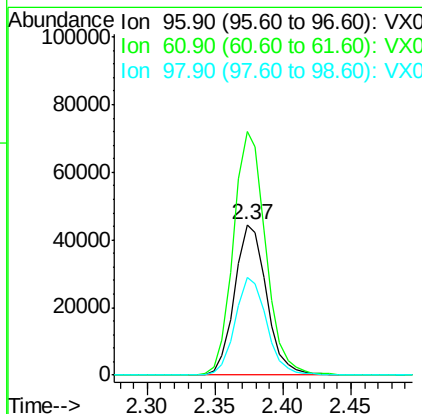
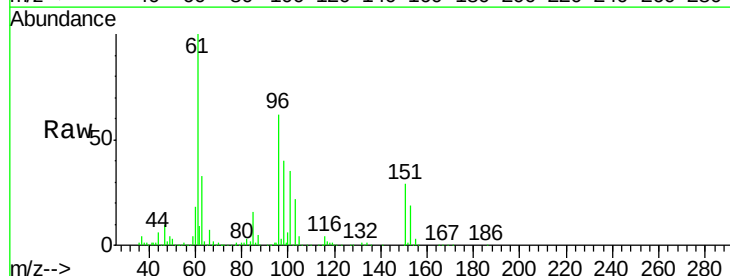
MMDadoda
 5/30/2018 1:51:00 PM

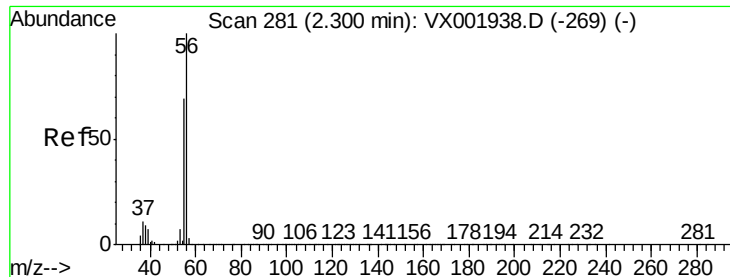


#12

1,1-Dichloroethene
 Concen: 19.84 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX002106.D
 Acq: 29 May 2018 21:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	72528		
61	61	162.2		131.7	197.5
98	98	64.6		51.6	77.4





#13

Acrolein

Concen: 88.91 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX002106.D

Acq: 29 May 2018 21:06

Instrument :

MSVOA_X

ClientSampleId :

VX0529MBS01

Tot Ion: 56 Resp: 42314

Ion Ratio Lower Upper

56 100

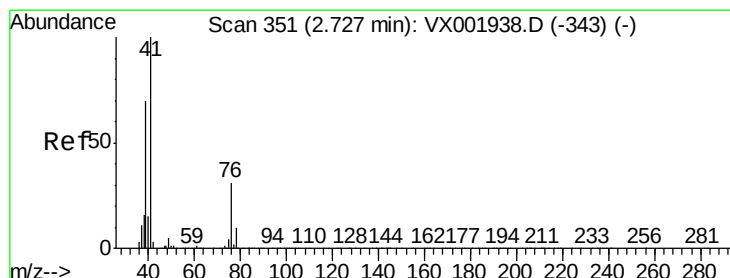
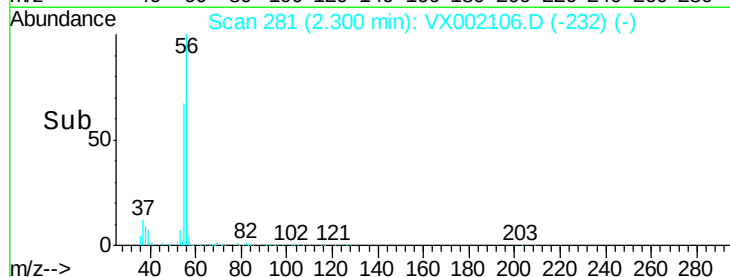
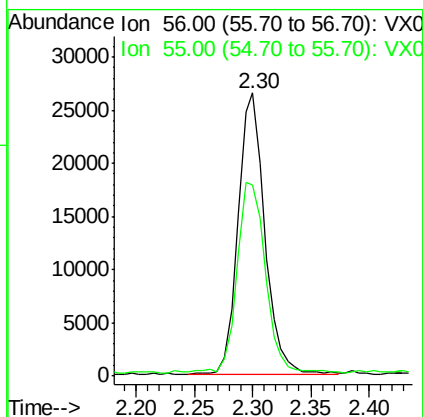
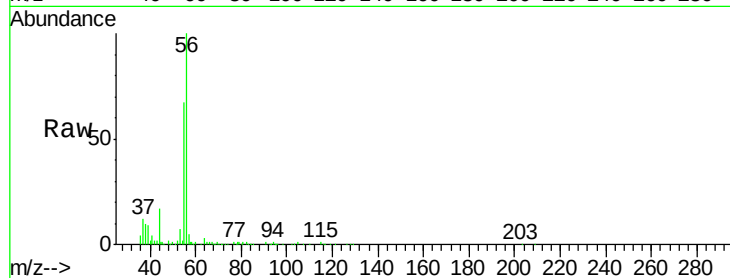
55 72.4 56.8 85.2

Manual Integrations

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5/30/2018 1:51:00 PM



#14

Allyl chloride

Concen: 19.71 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002106.D

Acq: 29 May 2018 21:06

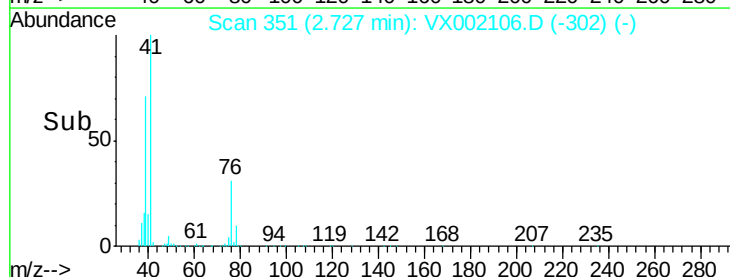
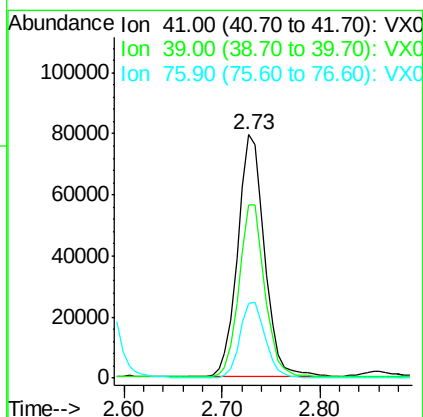
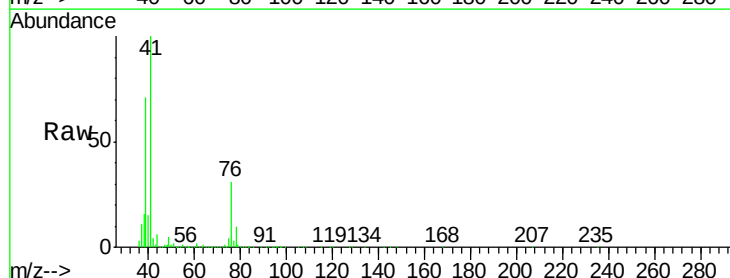
Tgt Ion: 41 Resp: 151297

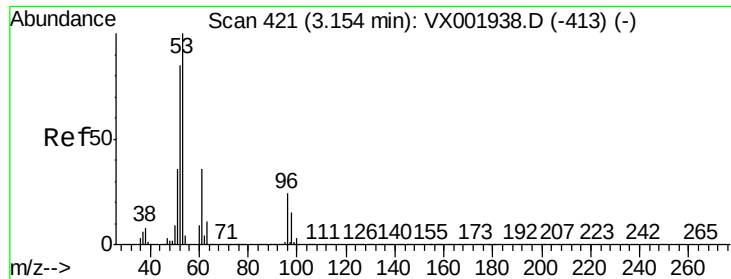
Ion Ratio Lower Upper

41 100

39 67.9 54.3 81.5

76 29.6 24.2 36.4





#15

Acrylonitrile

Concen: 102.04 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX002106.D

Acq: 29 May 2018 21:06

Instrument :

MSVOA_X

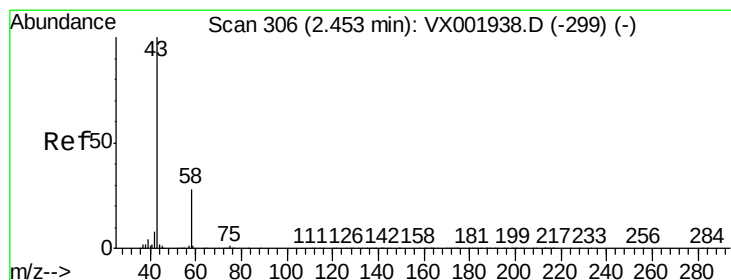
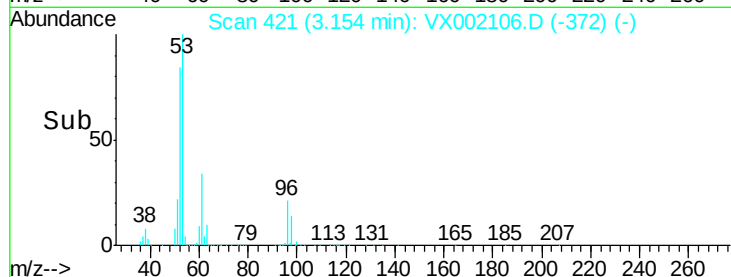
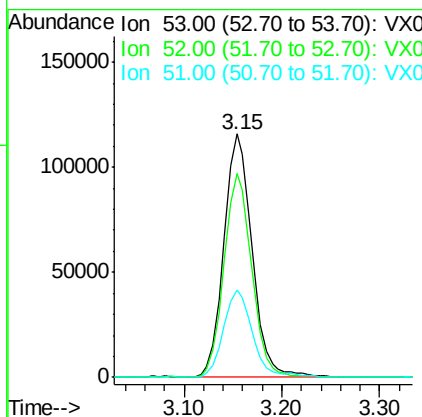
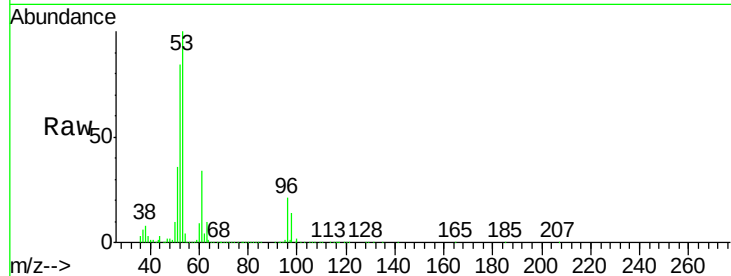
ClientSampleId :

VX0529MBS01

Tot Ion:	53	Resp:	230959
Ion Ratio		Lower	Upper
53	100		
52	82.4	66.4	99.6
51	36.5	29.3	43.9

Manual Integrations
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5/30/2018 1:51:00 PM



#16

Acetone

Concen: 96.83 ug/l

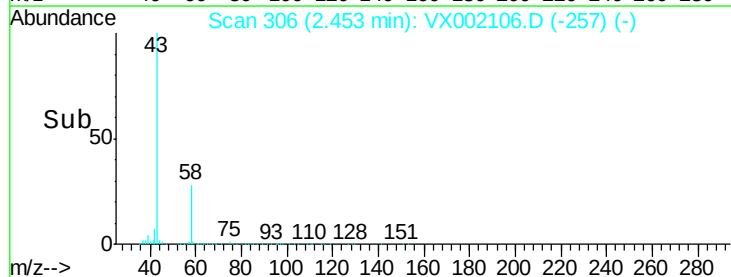
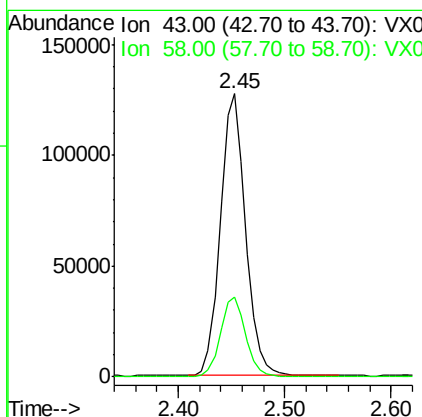
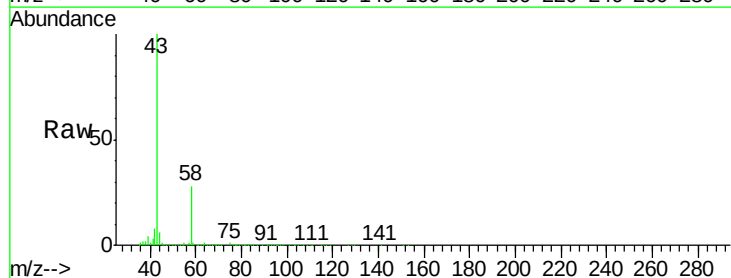
RT: 2.45 min Scan# 306

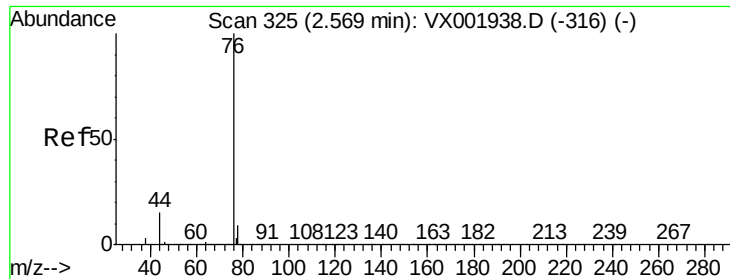
Delta R.T. -0.00 min

Lab File: VX002106.D

Acq: 29 May 2018 21:06

Tgt Ion:	43	Resp:	209533
Ion Ratio		Lower	Upper
43	100		
58	28.5	22.3	33.5





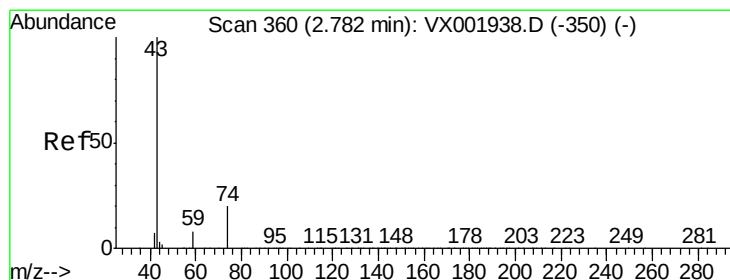
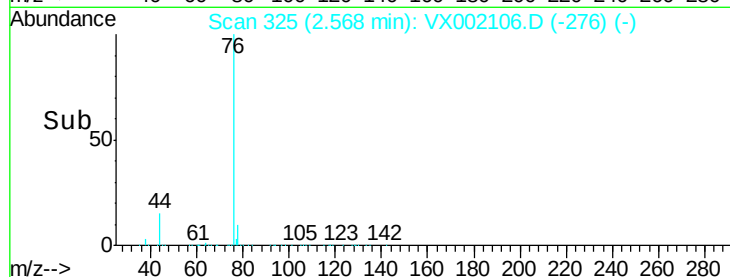
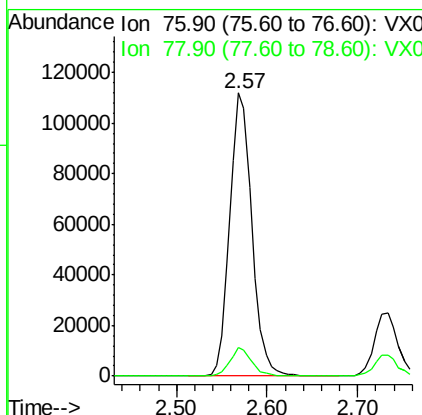
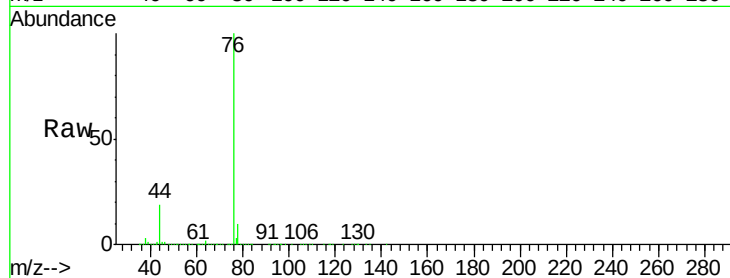
#17
Carbon Disulfide
Concen: 18.09 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX002106.D
Acq: 29 May 2018 21:06

Instrument :
MSVOA_X
ClientSampleId :
VX0529MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.4	11.2

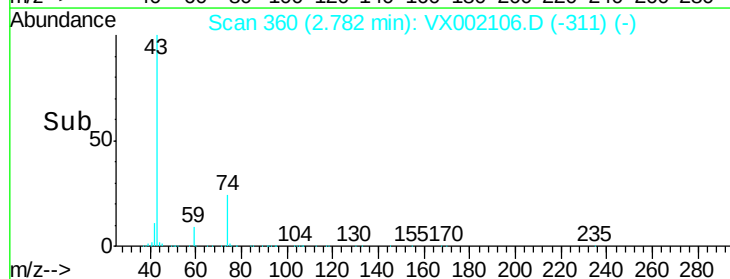
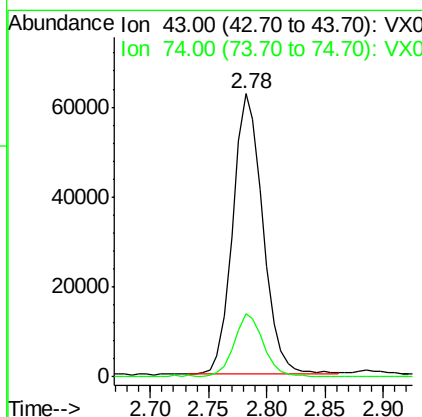
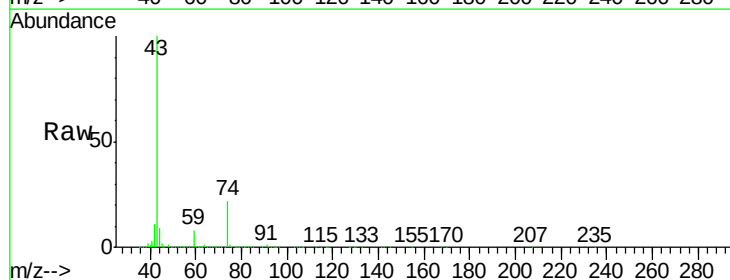
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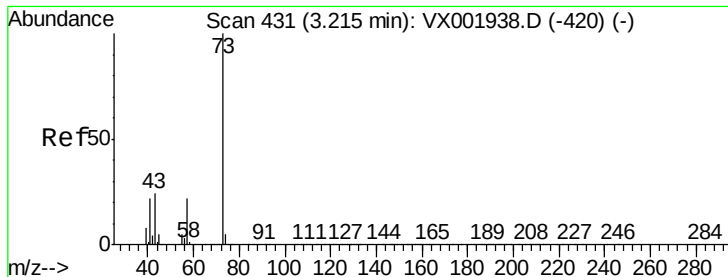
MMDadoda
5/30/2018 1:51:00 PM



#18
Methyl Acetate
Concen: 20.97 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002106.D
Acq: 29 May 2018 21:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.8	16.8	25.2





#19

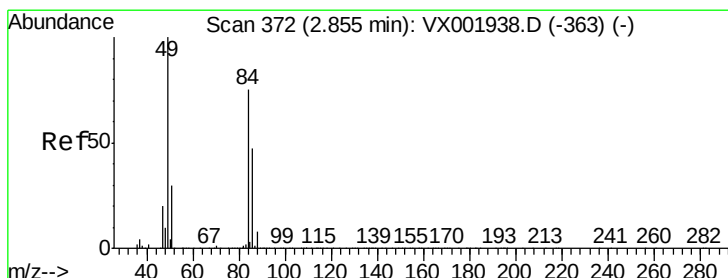
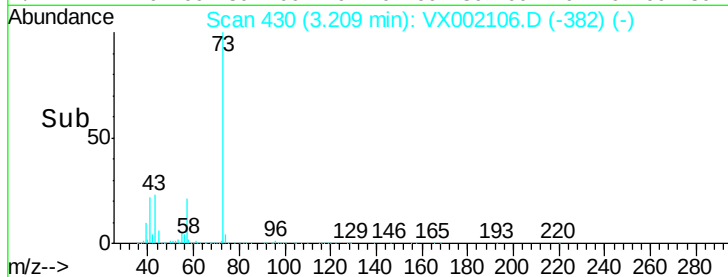
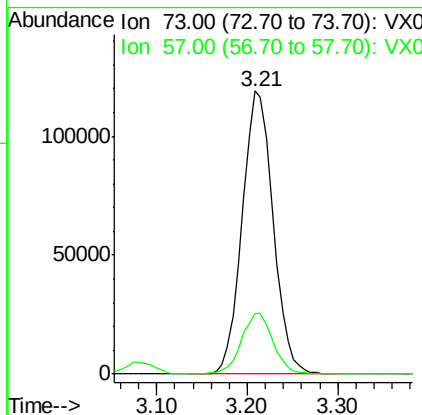
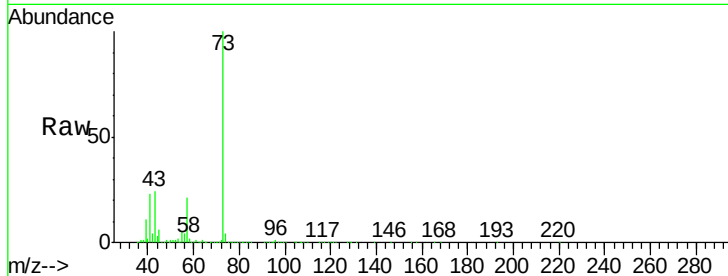
Methyl tert-butyl Ether
Concen: 20.48 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX002106.D
Acq: 29 May 2018 21:06

Instrument :
MSVOA_X
ClientSampleId :
VX0529MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.4	26.0

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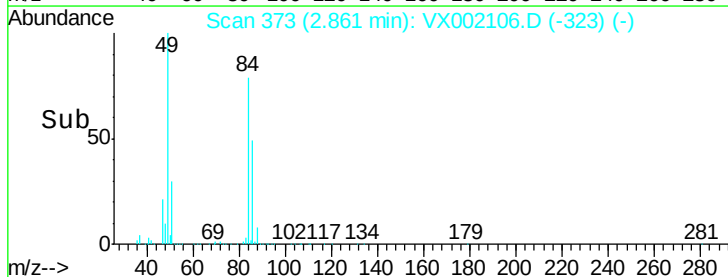
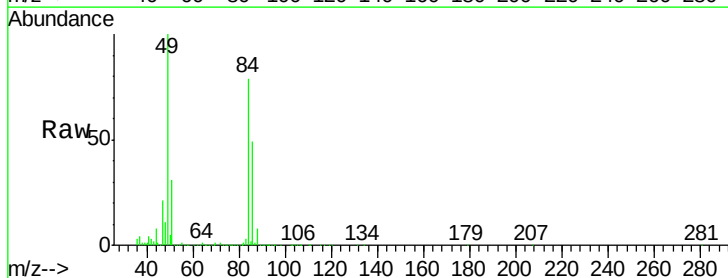
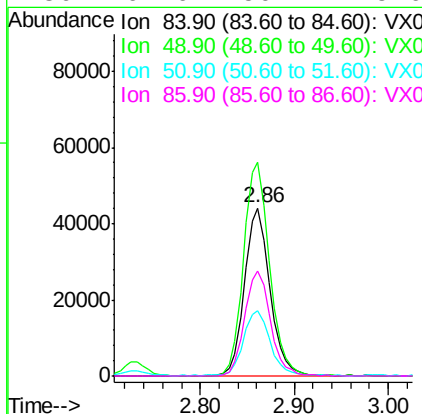
MMDadoda
5/30/2018 1:51:00 PM

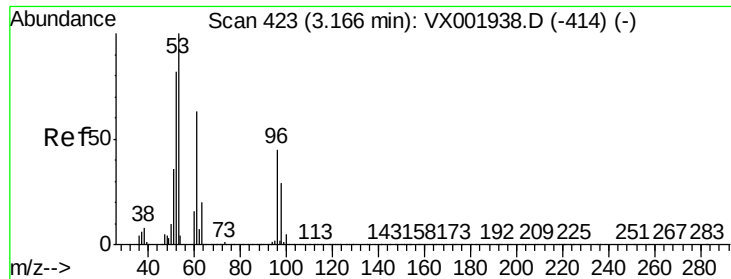


#20

Methylene Chloride
Concen: 21.29 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002106.D
Acq: 29 May 2018 21:06

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.0	107.2	160.8
51	38.5	32.4	48.6
86	62.6	50.4	75.6





#21

trans-1,2-Dichloroethene

Concen: 20.62 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002106.D

Acq: 29 May 2018 21:06

Instrument :

MSVOA_X

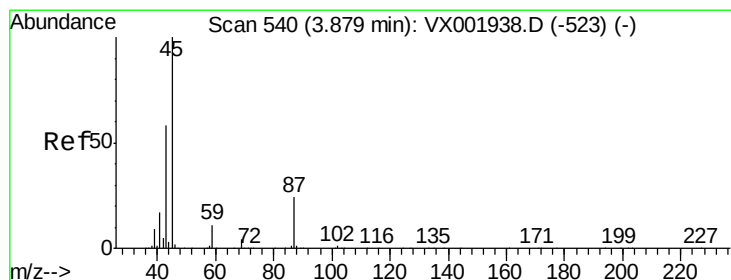
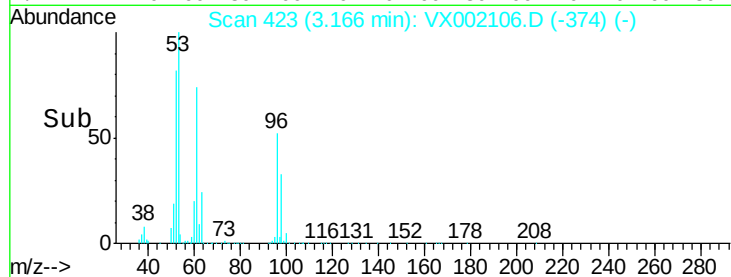
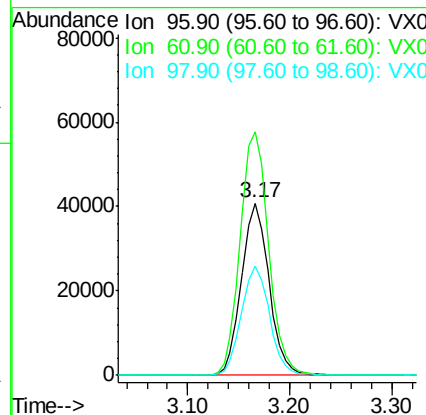
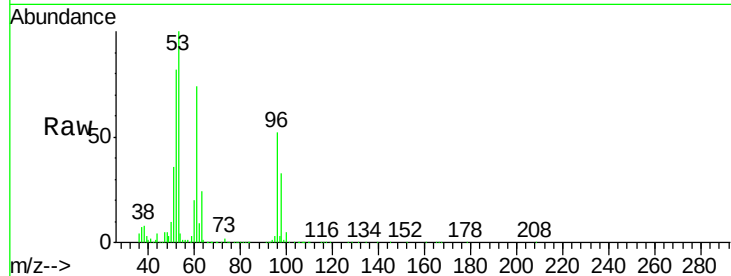
ClientSampleId :

VX0529MBSD01

Tot Ion:	96	Resp:	76715
Ion	Ratio	Lower	Upper
96	100		
61	141.2	113.3	169.9
98	63.0	51.7	77.5

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5/30/2018 1:51:00 PM



#22

Diisopropyl ether

Concen: 19.33 ug/l

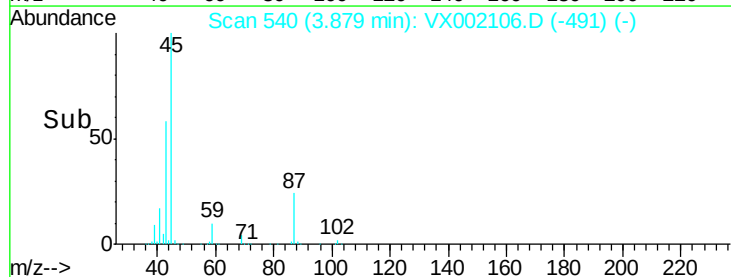
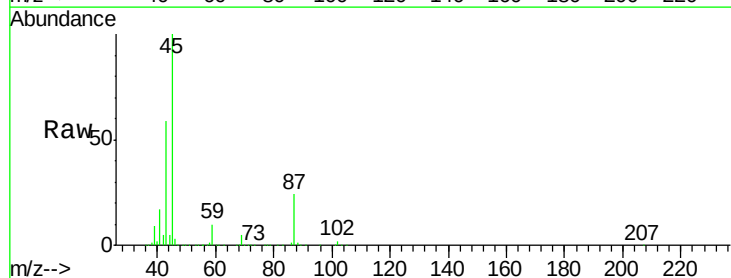
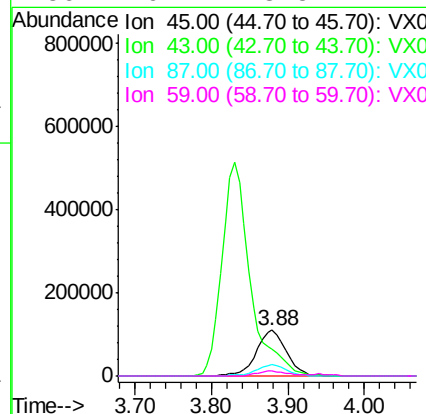
RT: 3.88 min Scan# 540

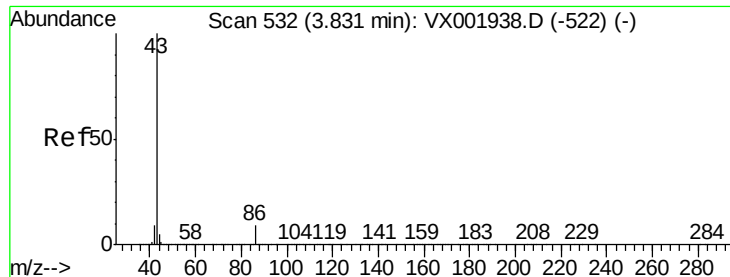
Delta R.T. -0.00 min

Lab File: VX002106.D

Acq: 29 May 2018 21:06

Tgt Ion:	45	Resp:	301716
Ion	Ratio	Lower	Upper
45	100		
43	58.0	47.0	70.6
87	24.3	19.4	29.0
59	10.2	8.5	12.7





#23

Vinyl Acetate

Concen: 102.14 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002106.D

Acq: 29 May 2018 21:06

Instrument :

MSVOA_X

ClientSampleId :

VX0529MBSD01

Tot Ion: 43 Resp: 1322094

Ion Ratio Lower Upper

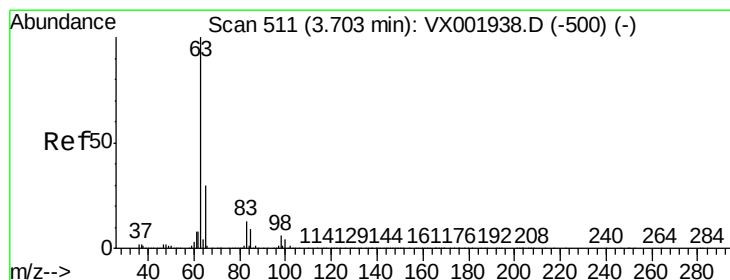
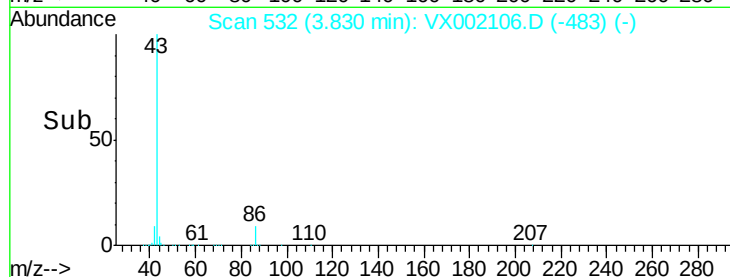
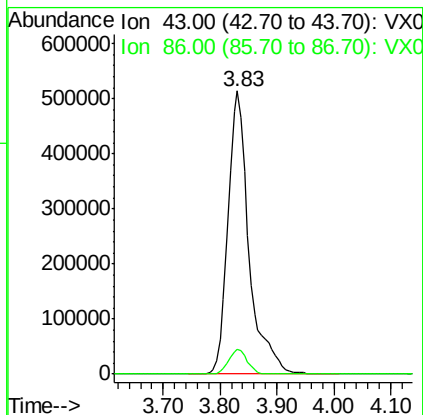
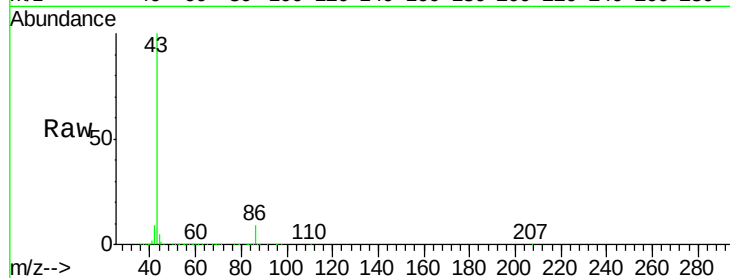
43 100

86 8.9 7.6 11.4

Manual Integrations
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5/30/2018 1:51:00 PM



#24

1,1-Dichloroethane

Concen: 20.52 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX002106.D

Acq: 29 May 2018 21:06

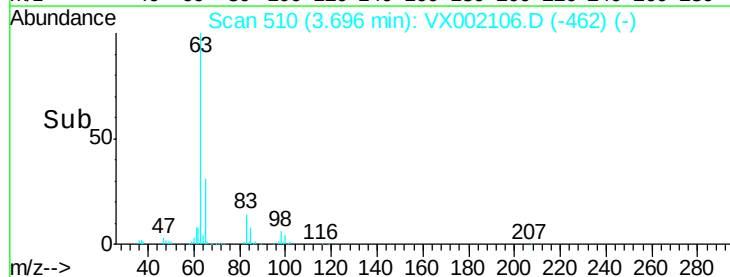
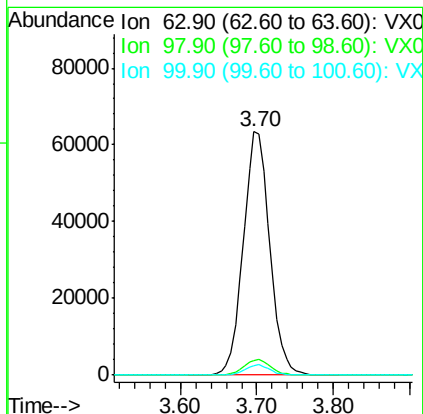
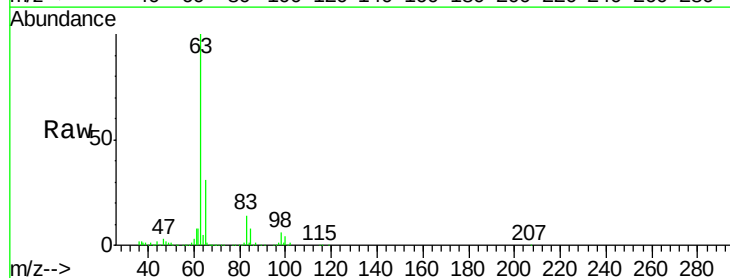
Tgt Ion: 63 Resp: 152173

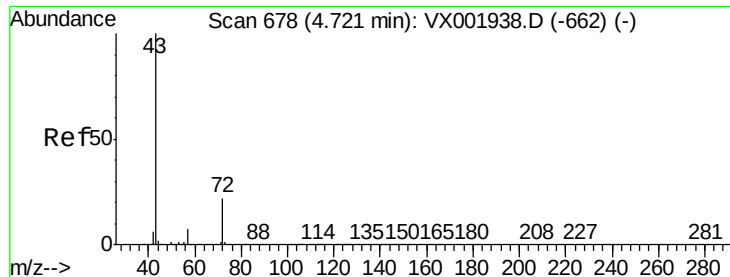
Ion Ratio Lower Upper

63 100

98 5.7 3.3 9.8

100 3.8 2.1 6.5





#25

2-Butanone

Concen: 89.46 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX002106.D

Acq: 29 May 2018 21:06

Tot Ion: 43 Resp: 354820

Ion Ratio Lower Upper

43 100

72 22.1 17.9 26.9

Instrument :

MSVOA_X

ClientSampleId :

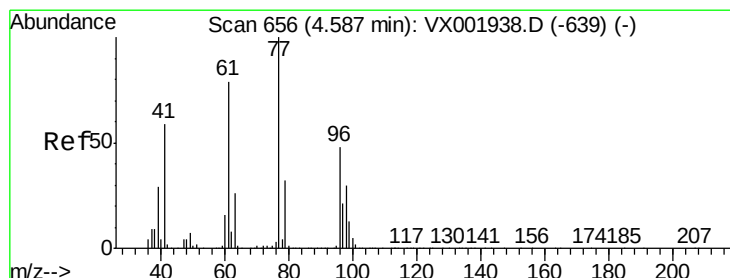
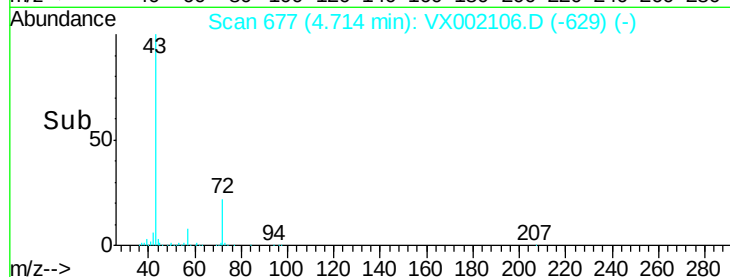
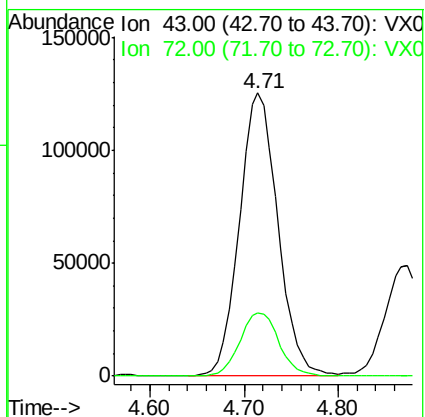
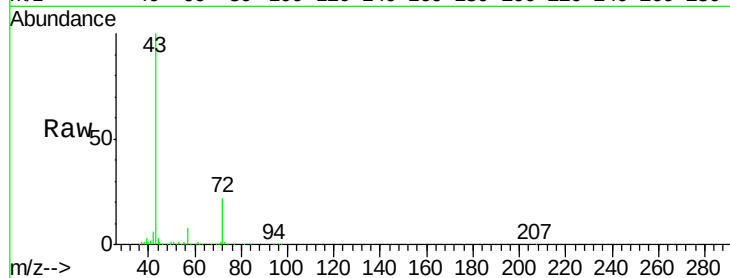
VX0529MBSD01

Manual Integrations

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MMDadoda

5/30/2018 1:51:00 PM



#26

2,2-Dichloropropane

Concen: 15.26 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX002106.D

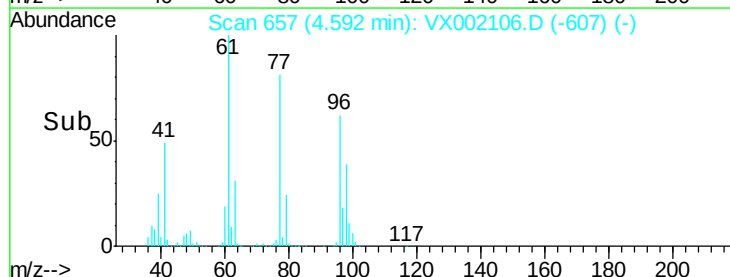
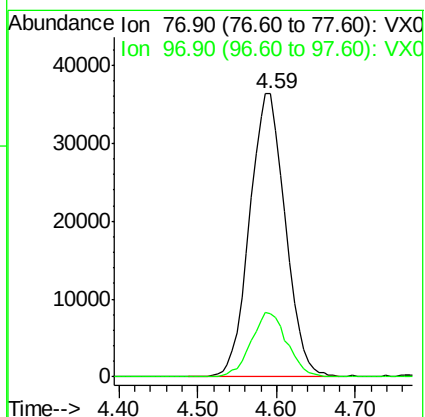
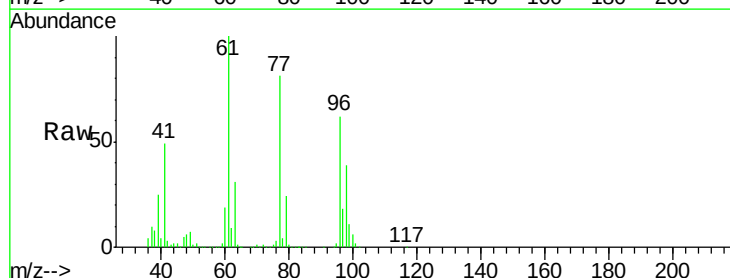
Acq: 29 May 2018 21:06

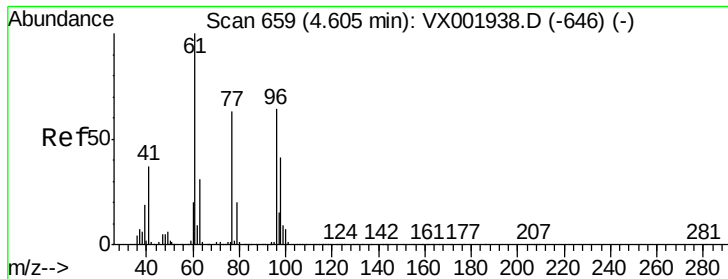
Tgt Ion: 77 Resp: 114536

Ion Ratio Lower Upper

77 100

97 22.9 11.2 33.5





#27

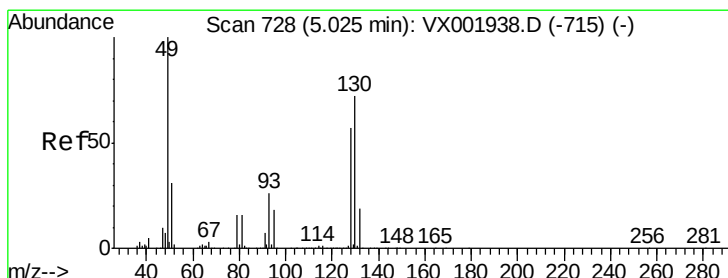
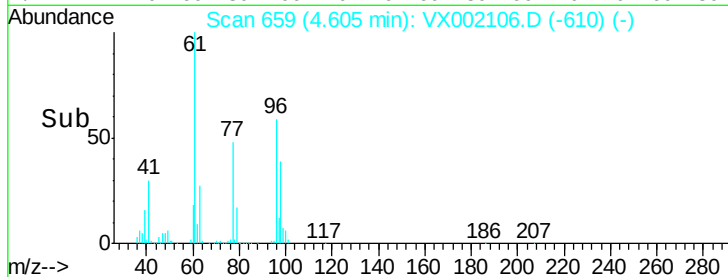
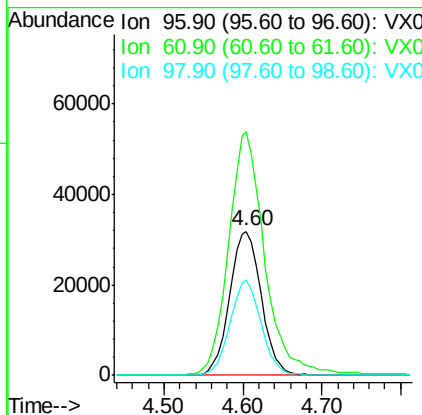
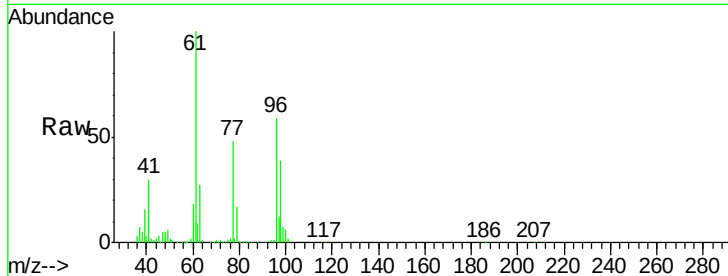
cis-1,2-Dichloroethene
Concen: 18.59 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX002106.D
Acq: 29 May 2018 21:06

Instrument :
MSVOA_X
ClientSampleId :
VX0529MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	195.4	0.0	348.4
98	65.3	0.0	128.6

Manual Integrations
APPROVED

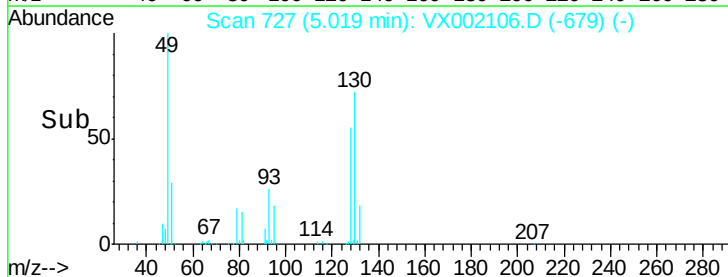
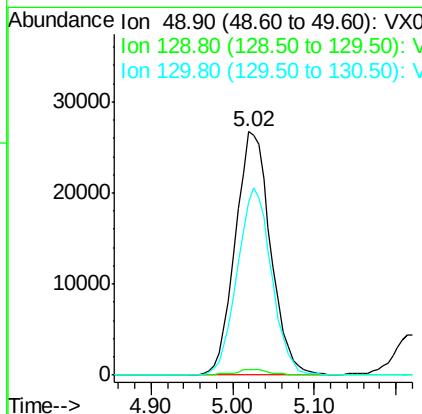
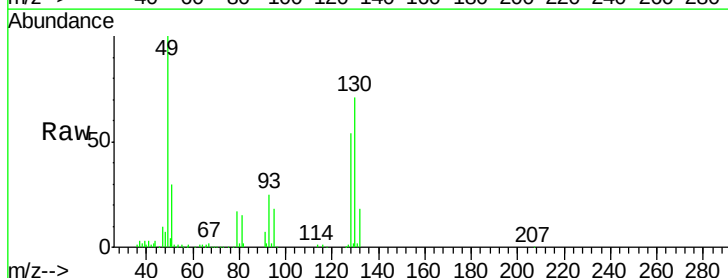
MMDadoda
5/30/2018 1:51:00 PM

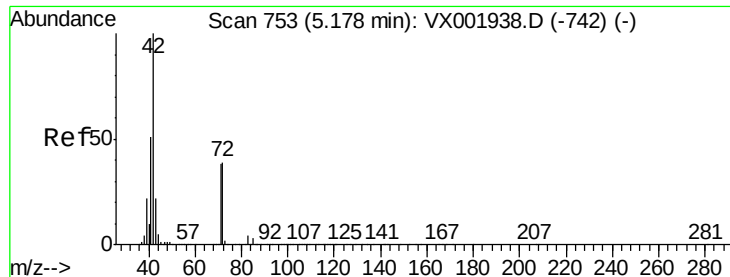


#28

Bromochloromethane
Concen: 24.74 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX002106.D
Acq: 29 May 2018 21:06

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.8
130	74.4	59.4	89.2





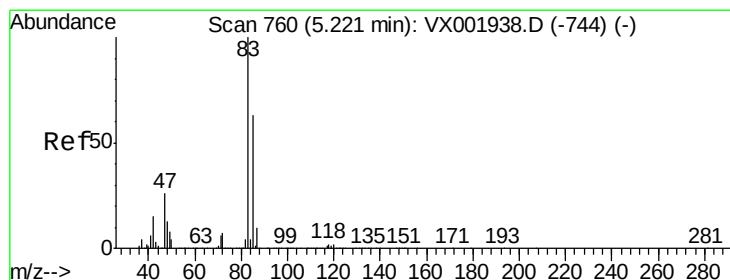
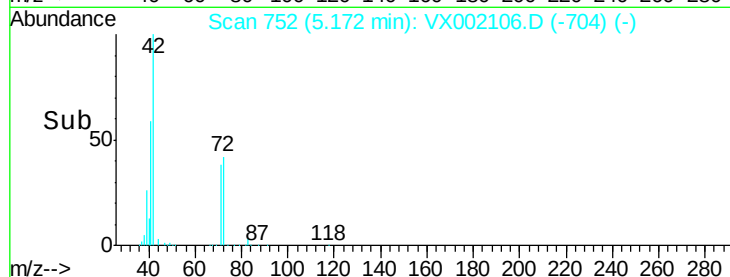
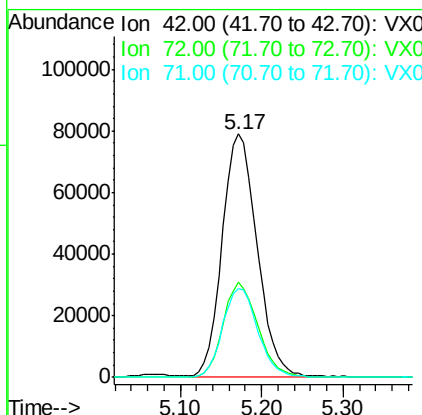
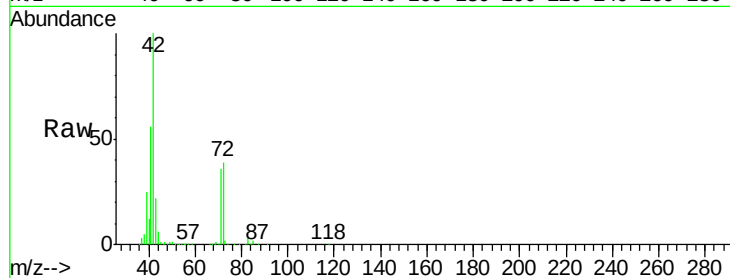
#29
Tetrahydrofuran
Concen: 90.31 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX002106.D
Acq: 29 May 2018 21:06

Instrument :
MSVOA_X
ClientSampleId :
VX0529MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.3	31.4	47.0
71	37.3	29.5	44.3

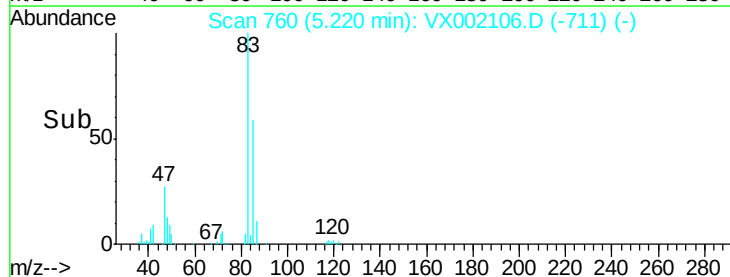
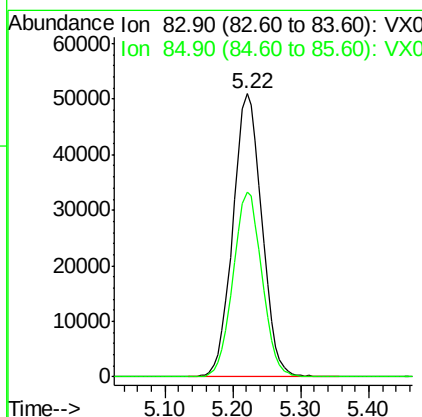
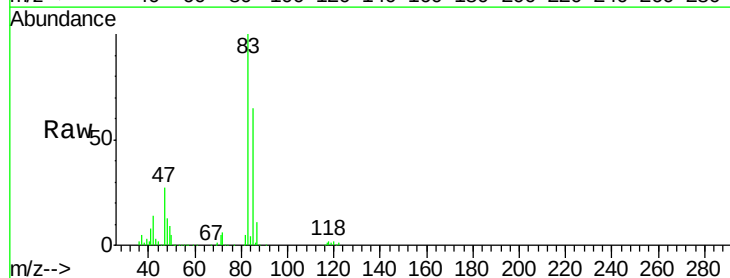
Manual Integrations
APPROVED

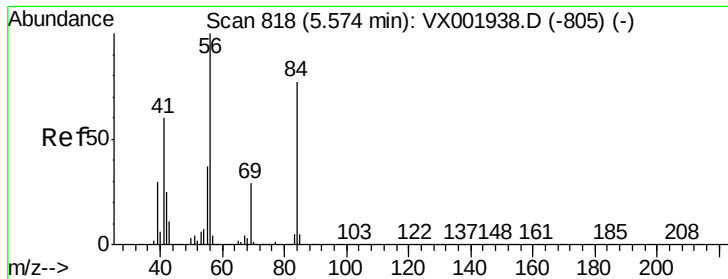
MMDadoda
5/30/2018 1:51:00 PM



#30
Chloroform
Concen: 18.04 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002106.D
Acq: 29 May 2018 21:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.9	76.3





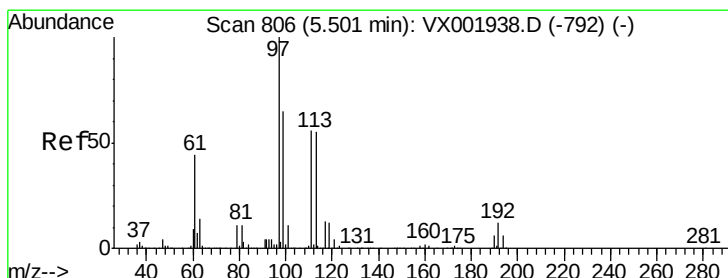
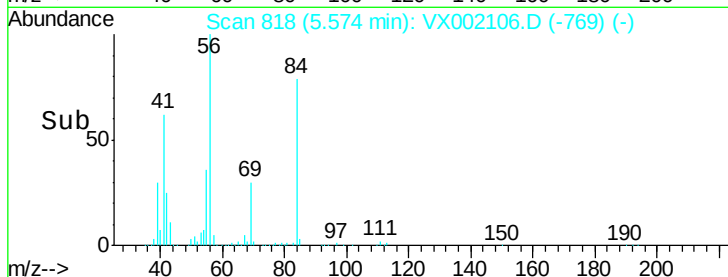
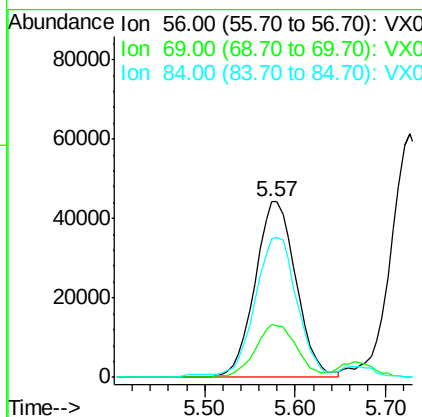
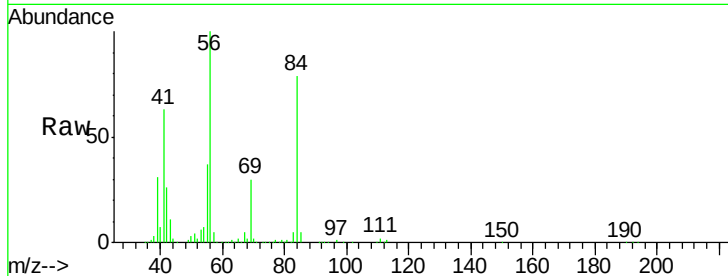
#31
Cyclohexane
Concen: 17.98 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX002106.D
Acq: 29 May 2018 21:06

Instrument :
MSVOA_X
ClientSampleId :
VX0529MBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.1	34.7
84	77.9	62.0	93.0

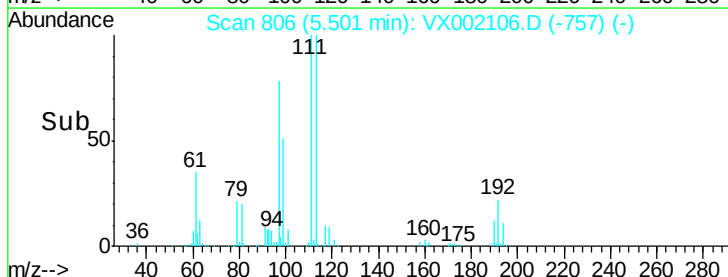
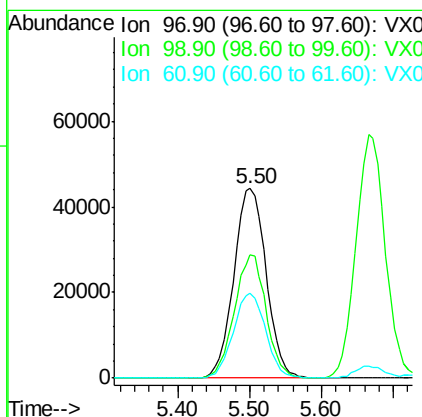
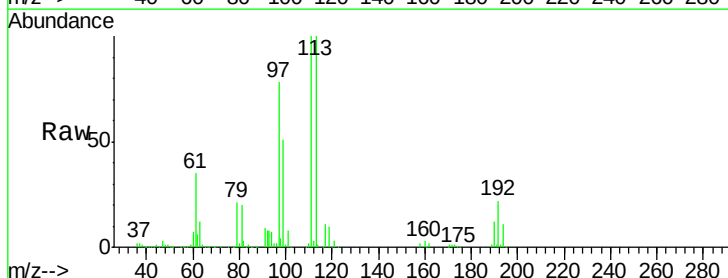
Manual Integrations
APPROVED

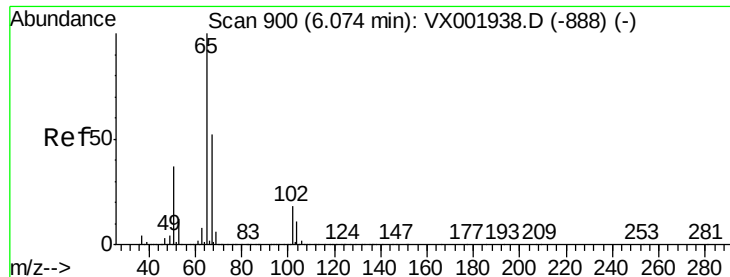
MMDadoda
5/30/2018 1:51:00 PM



#32
1,1,1-Trichloroethane
Concen: 17.73 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX002106.D
Acq: 29 May 2018 21:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.9	77.9
61	44.9	35.9	53.9





#33

1,2-Dichloroethane-d4

Concen: 40.96 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX002106.D

Acq: 29 May 2018 21:06

Instrument :

MSVOA_X

ClientSampleId :

VX0529MBSD01

Tot Ion: 65 Resp: 229652

Ion Ratio Lower Upper

65 100

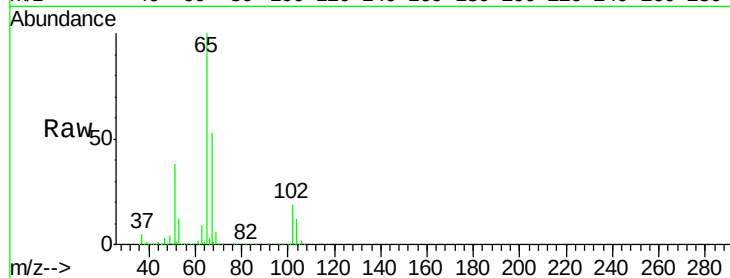
67 51.7 0.0 104.0

Manual Integrations

APPROVED

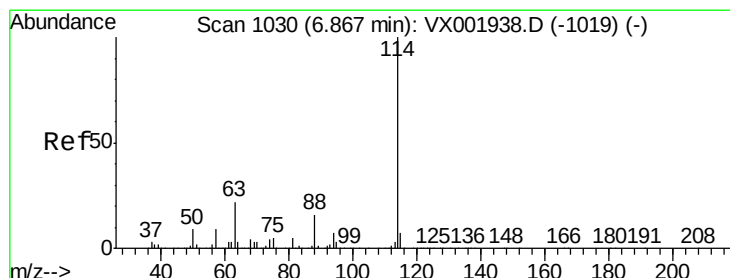
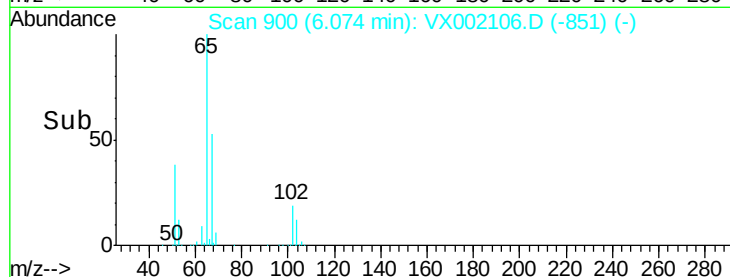
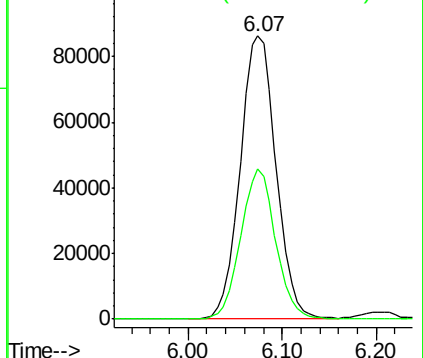
MMDadoda

5/30/2018 1:51:00 PM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002106.D

Acq: 29 May 2018 21:06

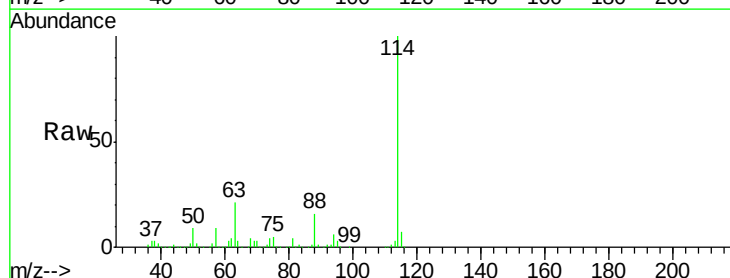
Tgt Ion: 114 Resp: 449758

Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.2

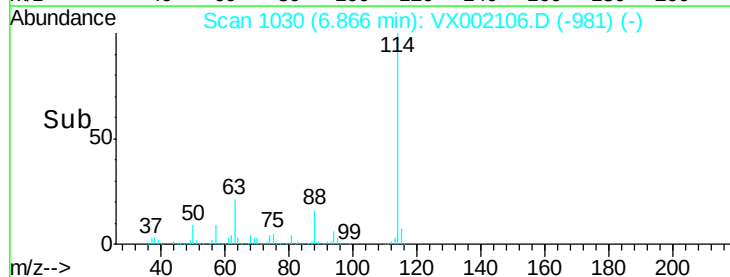
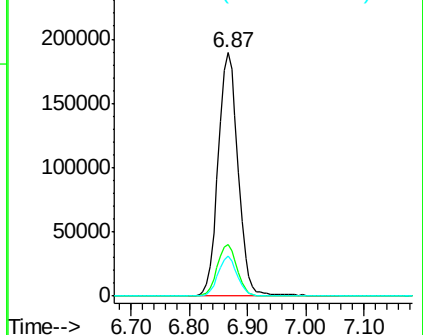
88 16.3 0.0 31.6

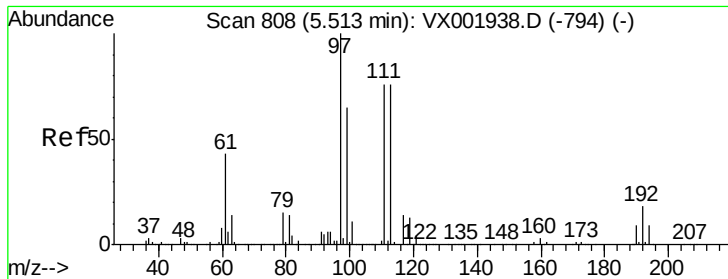


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





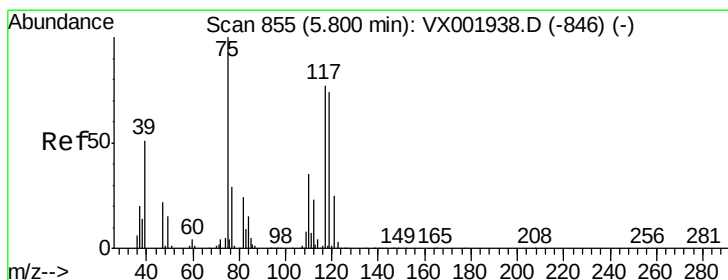
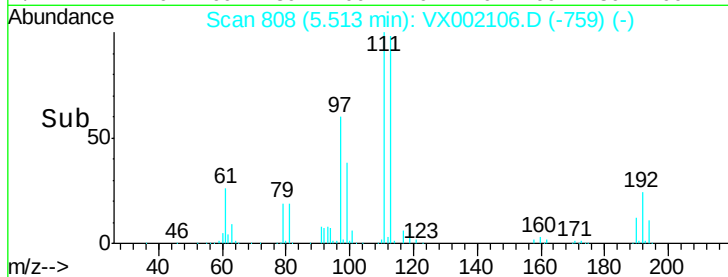
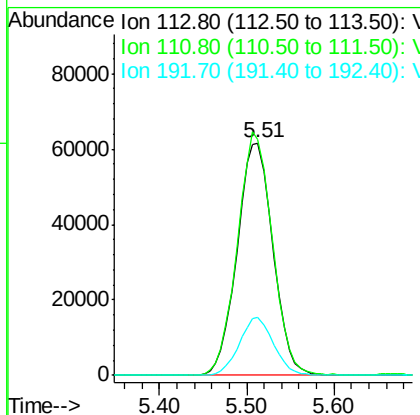
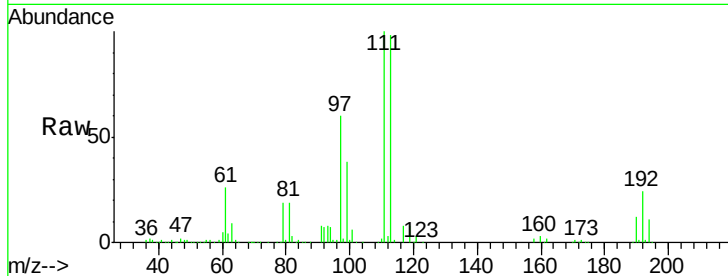
#35
 Dibromofluoromethane
 Concen: 39.07 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX002106.D
 Acq: 29 May 2018 21:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0529MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	175710		
111	102.6	82.0	123.0	
192	24.0	18.9	28.3	

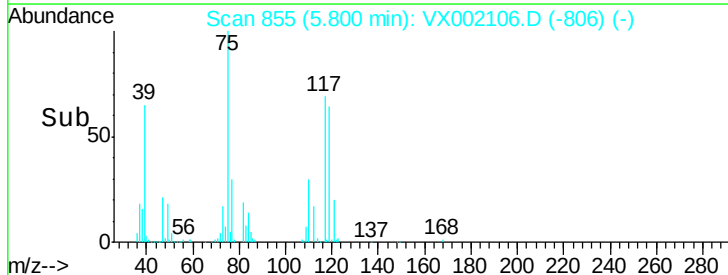
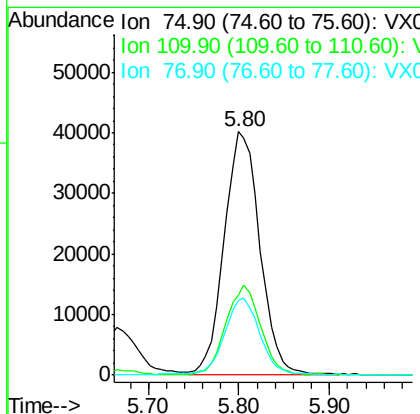
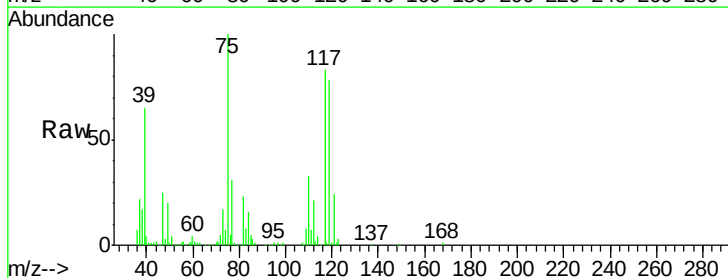
Manual Integrations
 APPROVED

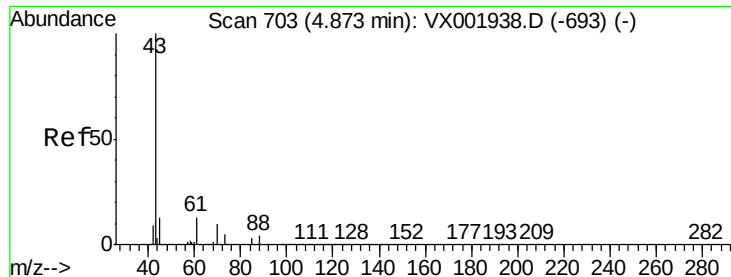
MMDadoda
 5/30/2018 1:51:00 PM



#36
 1,1-Dichloropropene
 Concen: 17.38 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX002106.D
 Acq: 29 May 2018 21:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	108699		
110	36.5	17.4	52.2	
77	30.7	24.4	36.6	





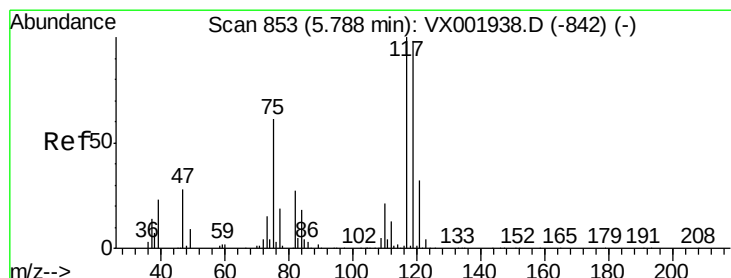
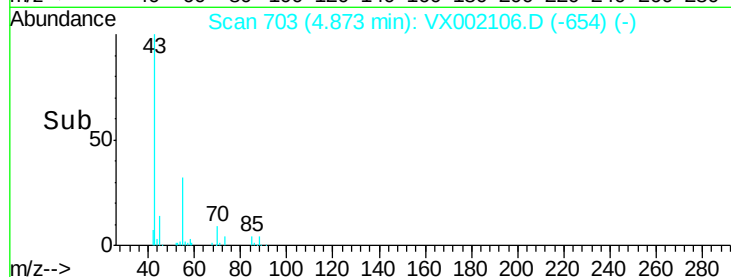
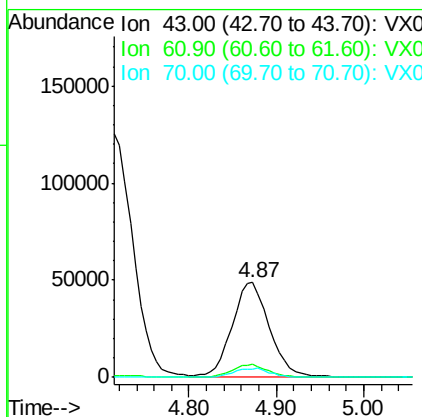
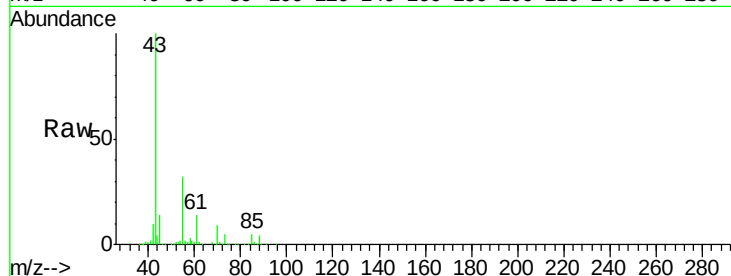
#37
Ethyl Acetate
Concen: 17.41 ug/l
RT: 4.87 min Scan# 703
Delta R.T. -0.00 min
Lab File: VX002106.D
Acq: 29 May 2018 21:06

Instrument :
MSVOA_X
ClientSampleId :
VX0529MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.2	15.2
70	9.9	7.8	11.8

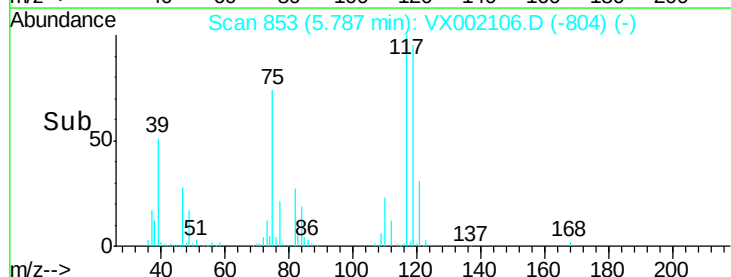
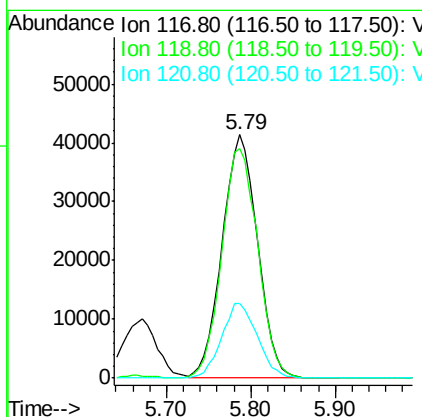
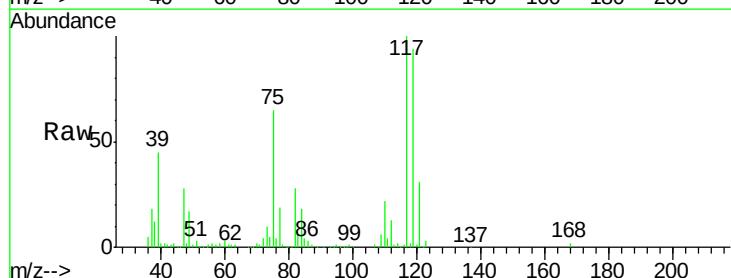
Manual Integrations
APPROVED

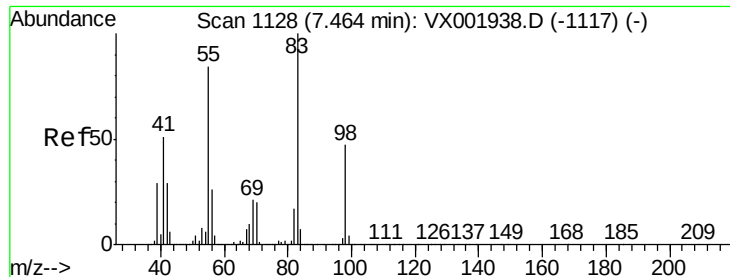
MMDadoda
5/30/2018 1:51:00 PM



#38
Carbon Tetrachloride
Concen: 16.23 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002106.D
Acq: 29 May 2018 21:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	78.5	117.7
121	30.8	25.5	38.3





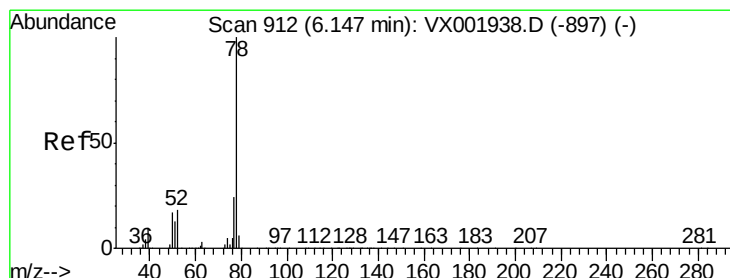
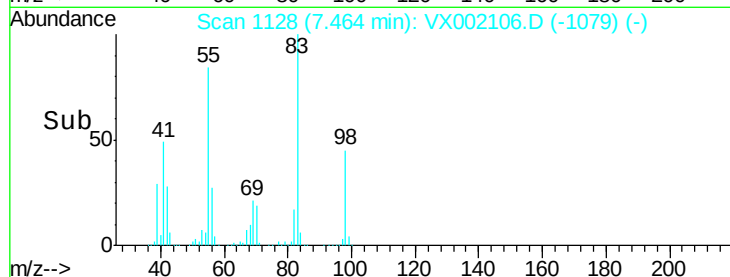
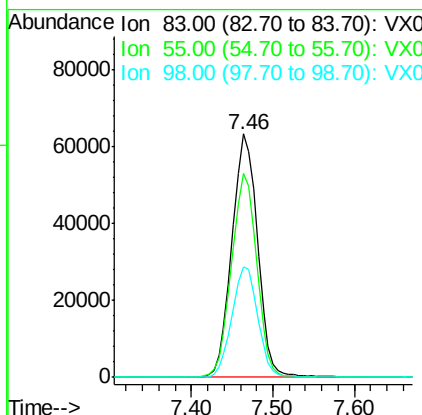
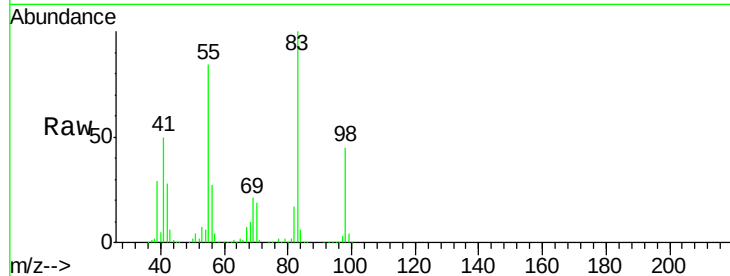
#39
Methylvlcyclohexane
Concen: 17.82 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002106.D
Acq: 29 May 2018 21:06

Instrument :
MSVOA_X
ClientSampleId :
VX0529MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	136981		
55	83.8		67.3	100.9
98	45.4		37.5	56.3

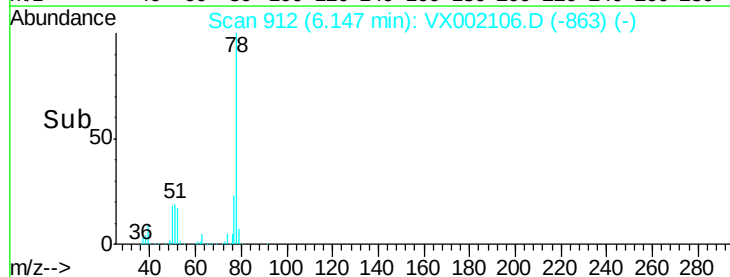
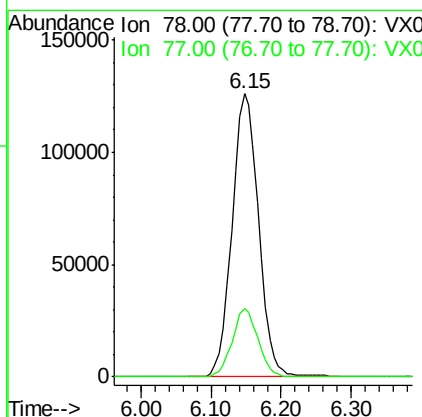
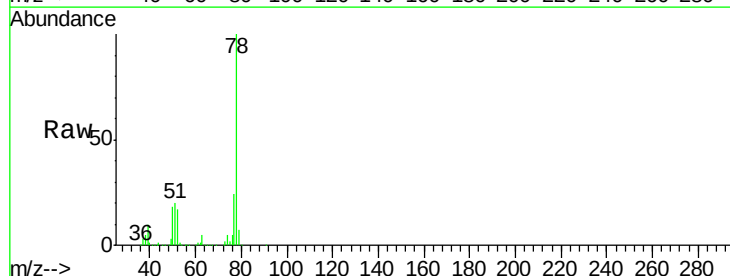
Manual Integrations
APPROVED

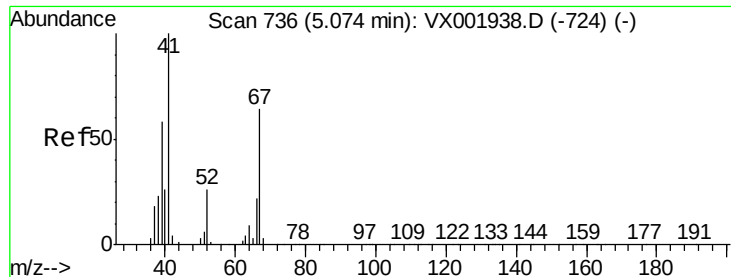
MMDadoda
5/30/2018 1:51:00 PM



#40
Benzene
Concen: 18.13 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002106.D
Acq: 29 May 2018 21:06

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	332240		
77	24.2		19.1	28.7





#41

Methacrylonitrile

Concen: 17.90 ug/l

RT: 5.07 min Scan# 736

Delta R.T. 0.00 min

Lab File: VX002106.D

Acq: 29 May 2018 21:06

Instrument :

MSVOA_X

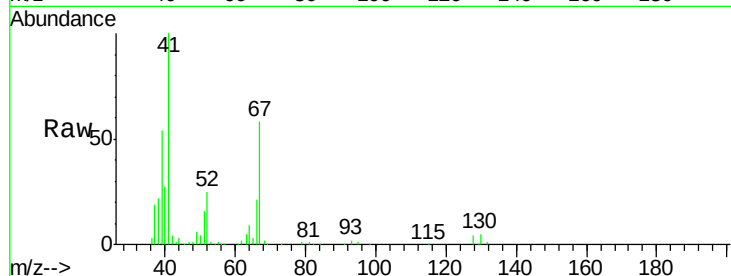
ClientSampleId :

VX0529MBSD01

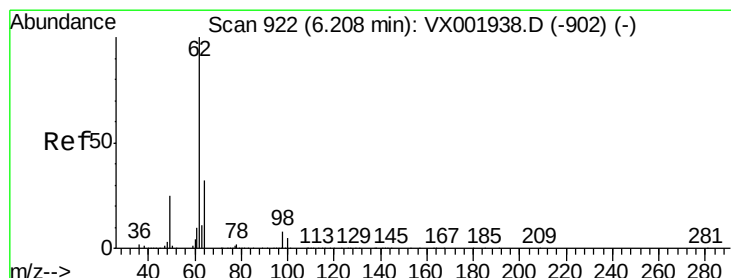
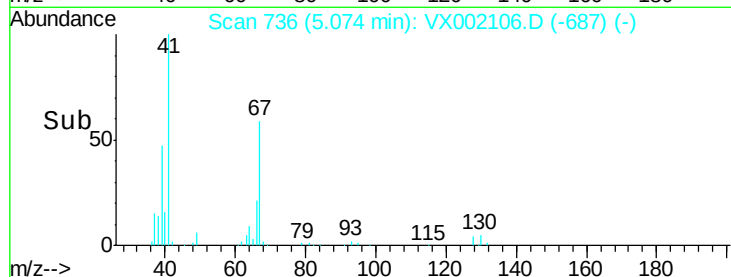
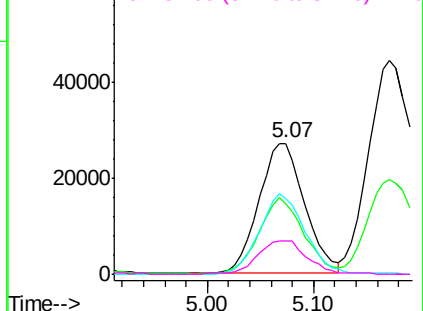
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		80800		
39	57.1	46.0	69.0		
67	61.8	50.6	75.8		
52	28.3	21.9	32.9		

Manual Integrations
APPROVED

MMDadoda
5/30/2018 1:51:00 PM



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 17.99 ug/l

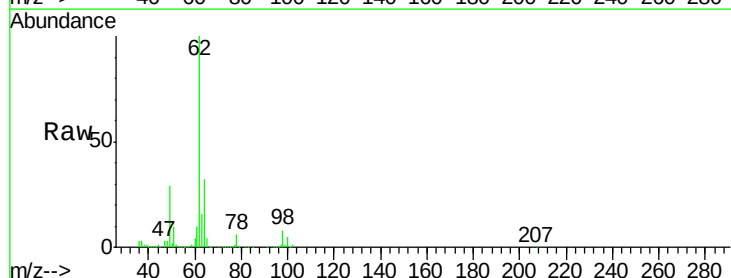
RT: 6.20 min Scan# 921

Delta R.T. -0.01 min

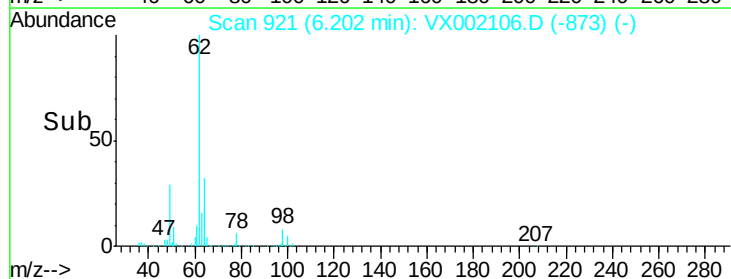
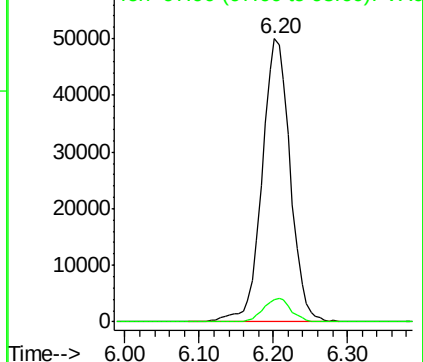
Lab File: VX002106.D

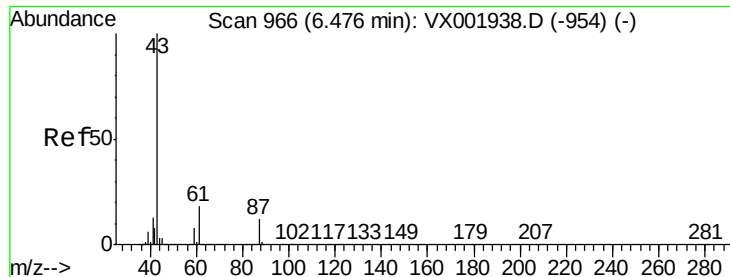
Acq: 29 May 2018 21:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		131723		
98	8.2	0.0	17.0		



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 17.45 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX002106.D

Acq: 29 May 2018 21:06

Instrument :

MSVOA_X

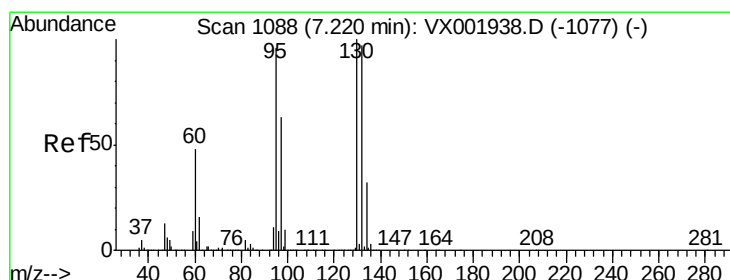
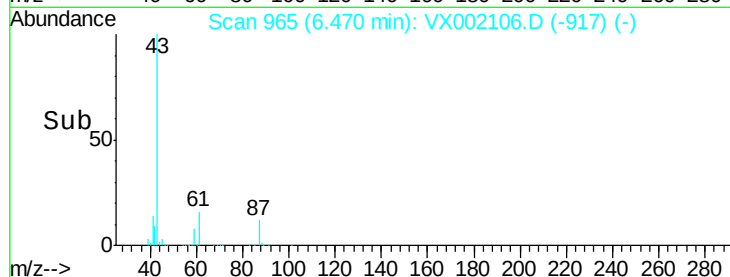
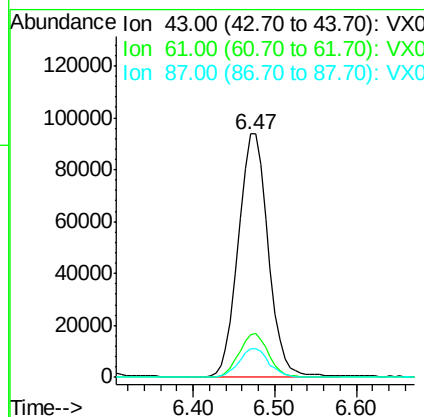
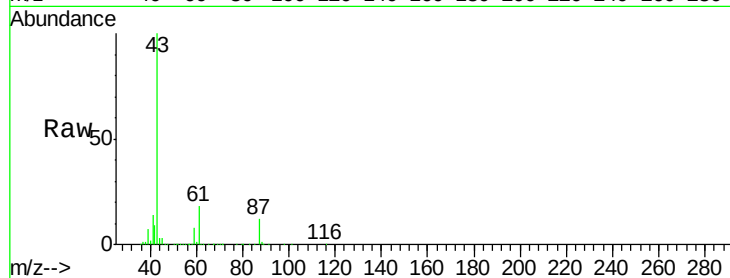
ClientSampleId :

VX0529MBS01

Tot Ion:	43	Resp:	237196
Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.5	21.7
87	11.7	9.5	14.3

Manual Integrations
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#44

Trichloroethene

Concen: 18.06 ug/l

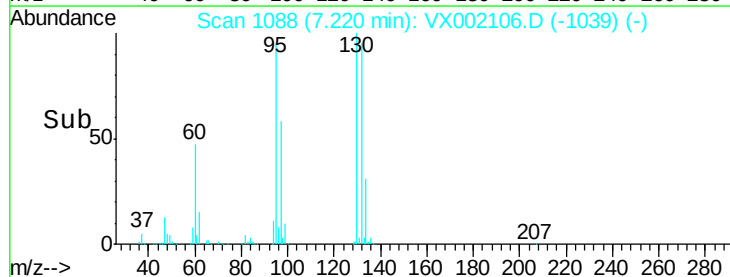
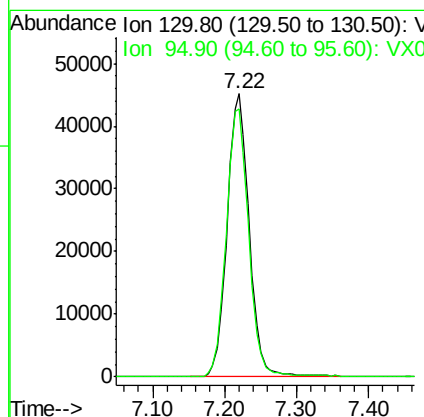
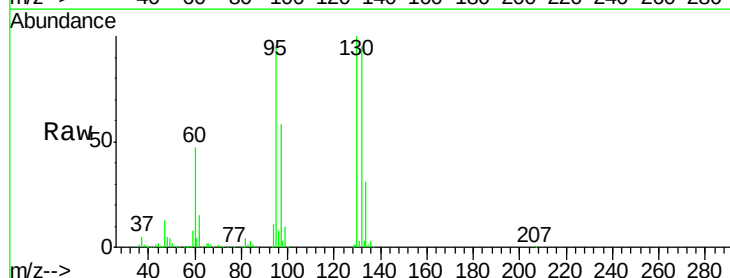
RT: 7.22 min Scan# 1088

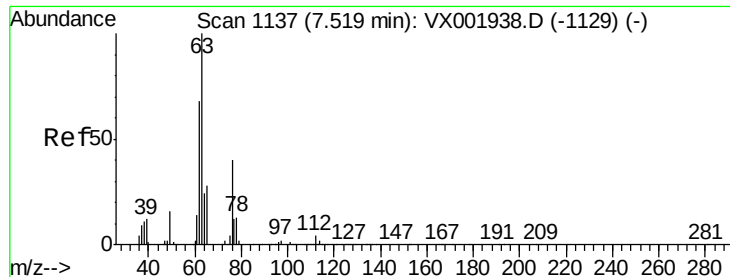
Delta R.T. -0.00 min

Lab File: VX002106.D

Acq: 29 May 2018 21:06

Tgt Ion:	130	Resp:	96445
Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	192.0





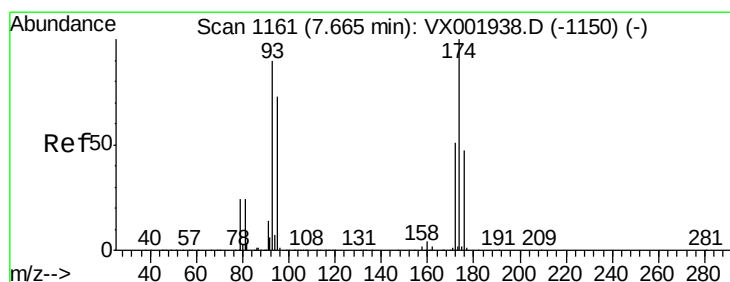
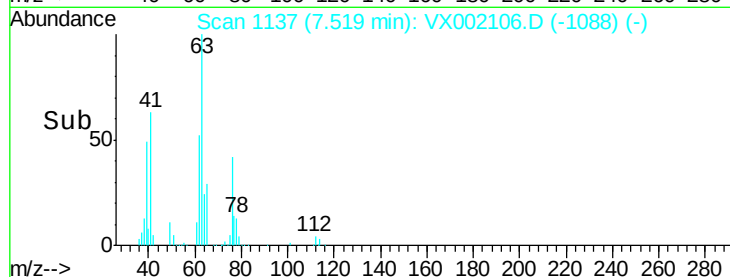
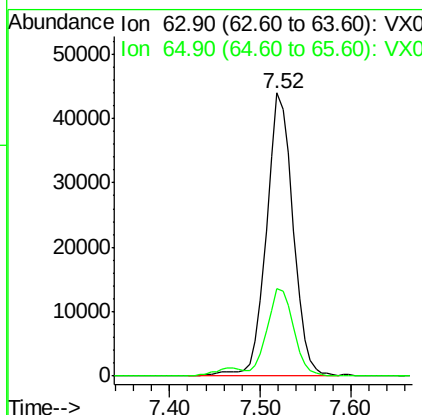
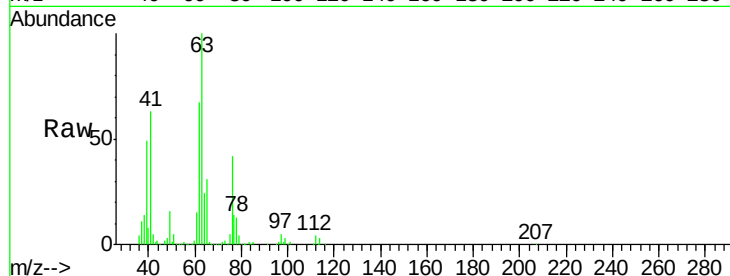
#45
 1,2-Dichloropropane
 Concen: 18.01 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX002106.D
 Acq: 29 May 2018 21:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0529MBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.1	36.1

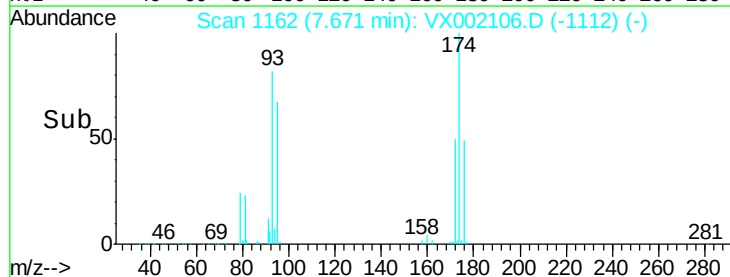
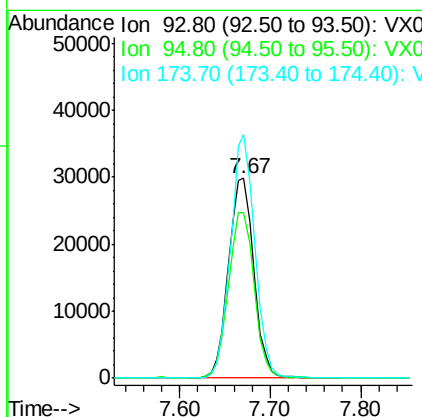
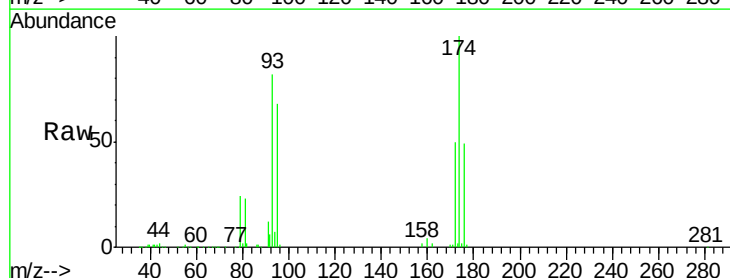
Manual Integrations
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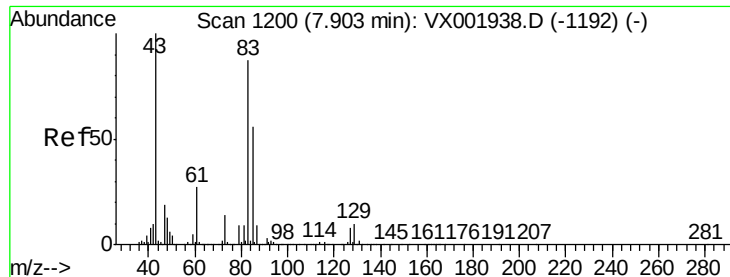
MMDadoda
 5/30/2018 1:51:00 PM



#46
 Dibromomethane
 Concen: 17.59 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.01 min
 Lab File: VX002106.D
 Acq: 29 May 2018 21:06

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.1	66.1	99.1
174	117.0	92.5	138.7





#47

Bromodichloromethane

Concen: 16.02 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002106.D

Acq: 29 May 2018 21:06

Instrument :

MSVOA_X

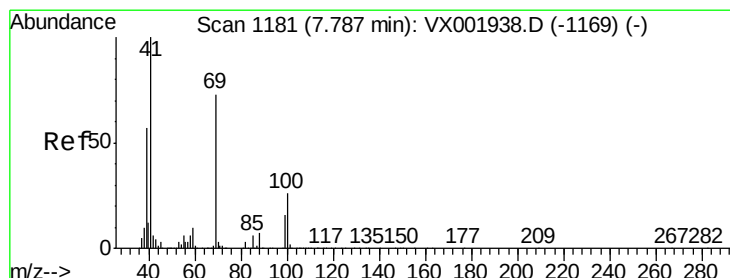
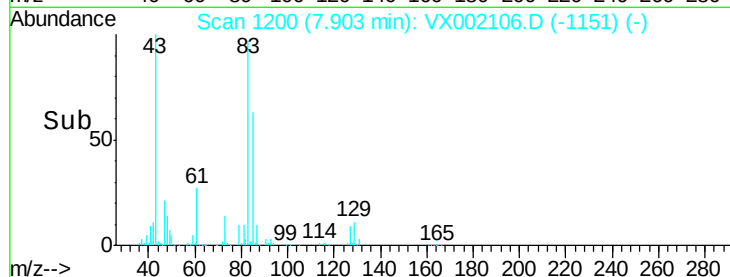
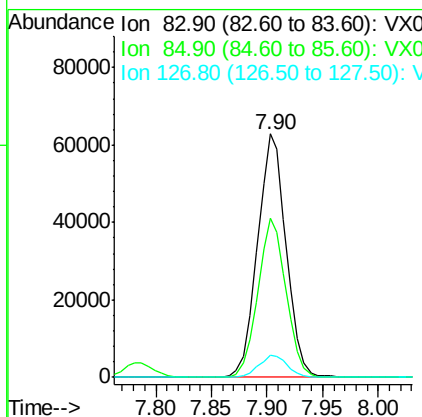
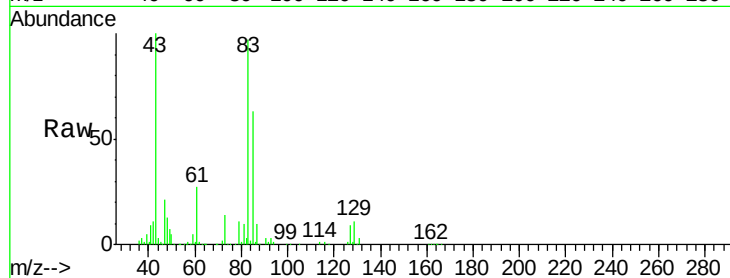
ClientSampleId :

VX0529MBSD01

Tot Ion:	83	Resp:	112563
Ion Ratio	Lower	Upper	
83	100		
85	65.0	51.4	77.2
127	8.9	7.1	10.7

Manual Integrations
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5/30/2018 1:51:00 PM



#48

Methyl methacrylate

Concen: 17.53 ug/l

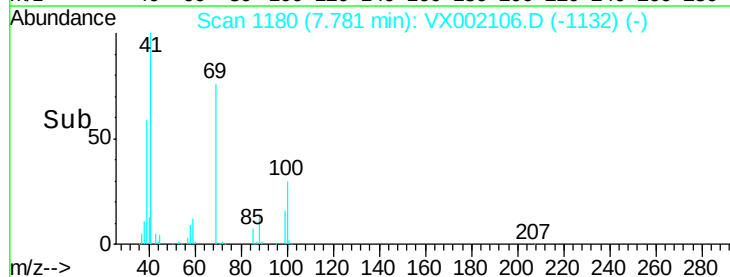
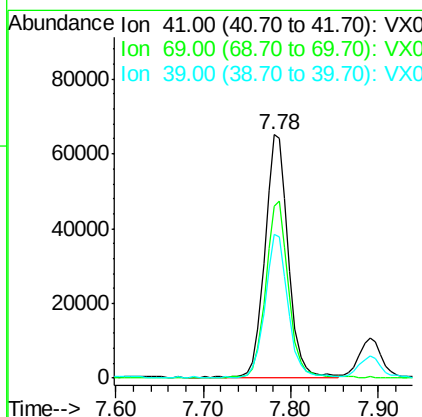
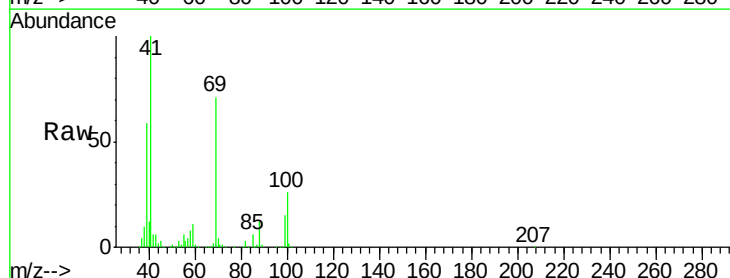
RT: 7.78 min Scan# 1180

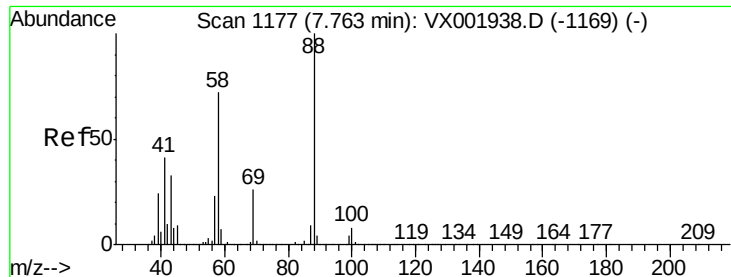
Delta R.T. -0.01 min

Lab File: VX002106.D

Acq: 29 May 2018 21:06

Tgt Ion:	41	Resp:	121266
Ion Ratio	Lower	Upper	
41	100		
69	72.2	58.6	87.8
39	57.5	46.3	69.5





#49

1,4-Dioxane

Concen: 349.10 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VX002106.D

Acq: 29 May 2018 21:06

Instrument :

MSVOA_X

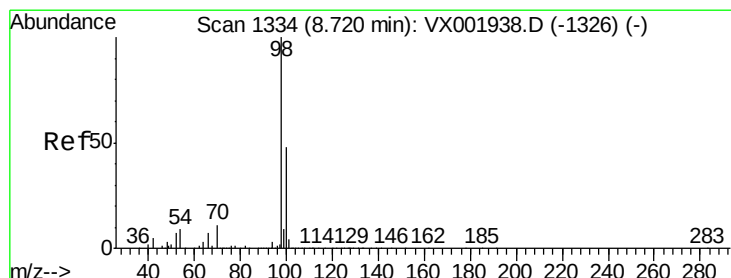
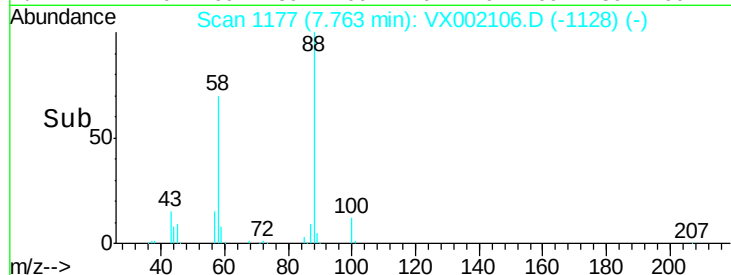
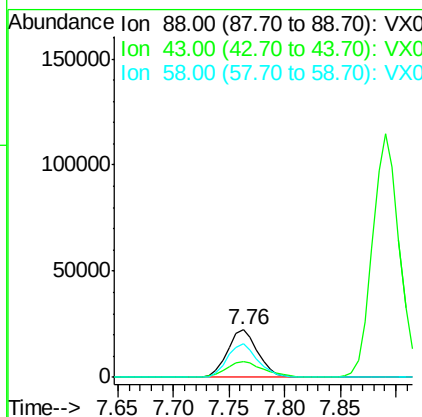
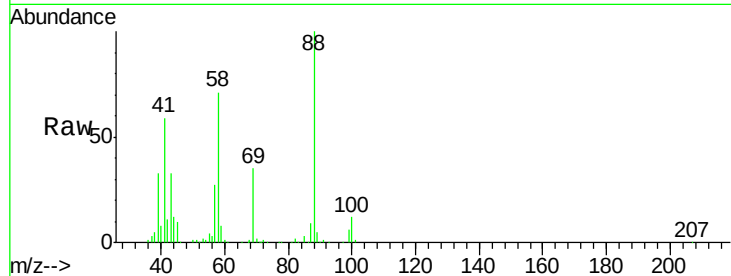
ClientSampleId :

VX0529MBS01

Tot Ion:	88	Resp:	42549
Ion	Ratio	Lower	Upper
88	100		
43	38.3	29.8	44.8
58	71.1	58.7	88.1

Manual Integrations
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#50

Toluene-d8

Concen: 39.47 ug/l

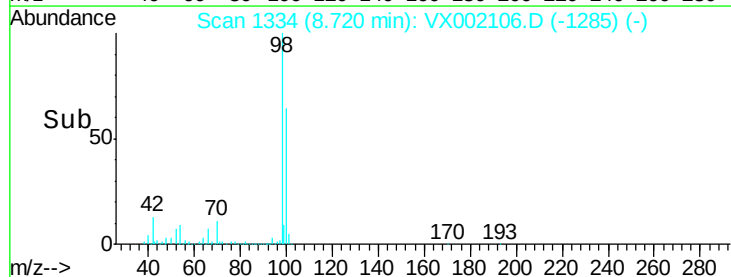
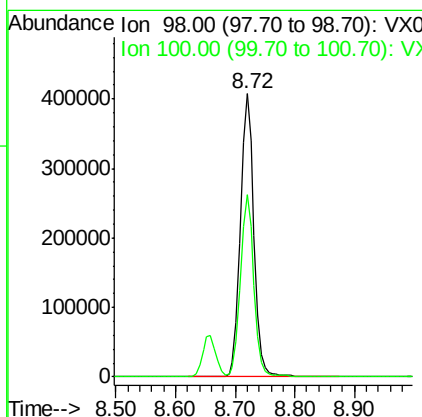
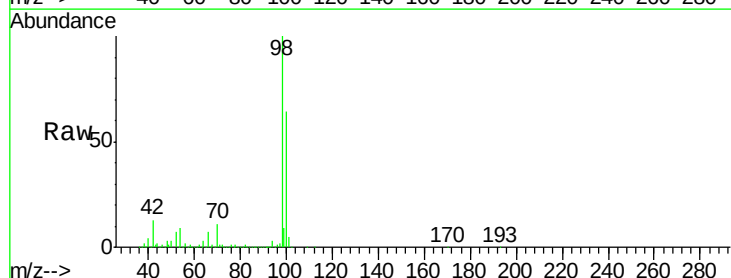
RT: 8.72 min Scan# 1334

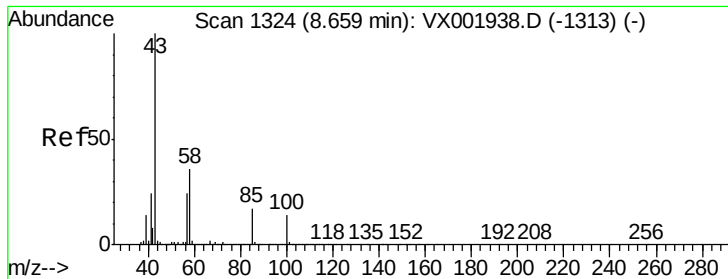
Delta R.T. 0.00 min

Lab File: VX002106.D

Acq: 29 May 2018 21:06

Tgt Ion:	98	Resp:	642737
Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 90.22 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX002106.D

Acq: 29 May 2018 21:06

Instrument :

MSVOA_X

ClientSampleId :

VX0529MBS01

Tot Ion: 43 Resp: 739115

Ion Ratio Lower Upper

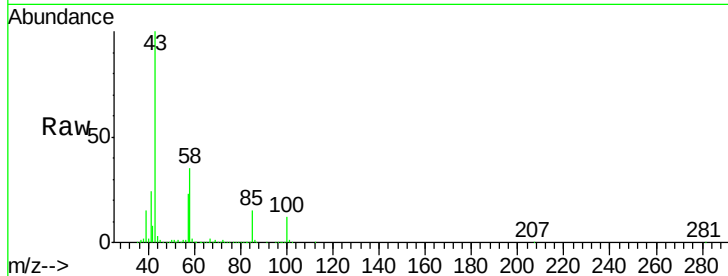
43 100

58 34.8 28.5 42.7

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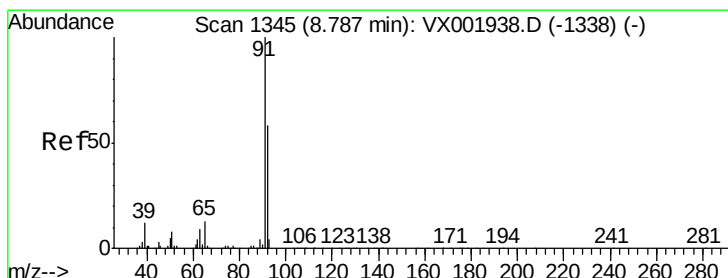
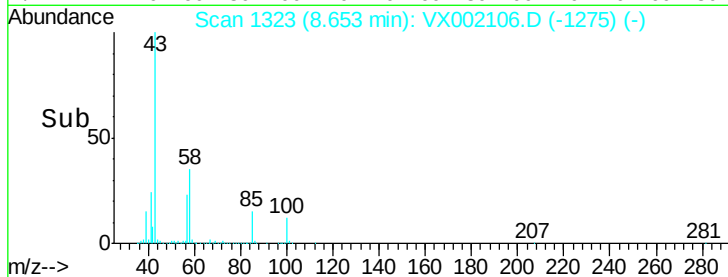
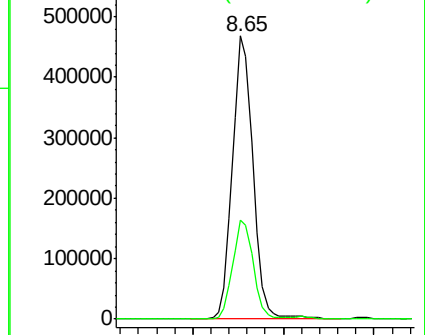
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 18.04 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002106.D

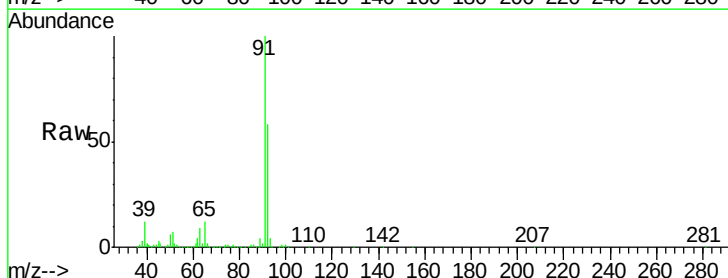
Acq: 29 May 2018 21:06

Tgt Ion: 92 Resp: 210415

Ion Ratio Lower Upper

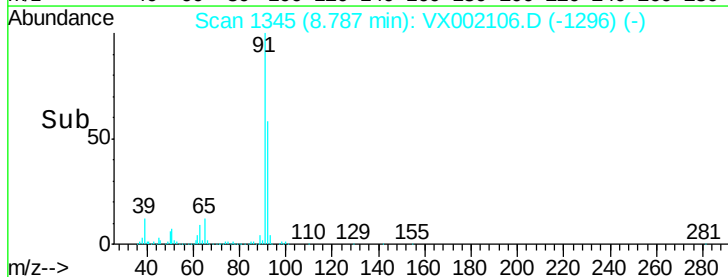
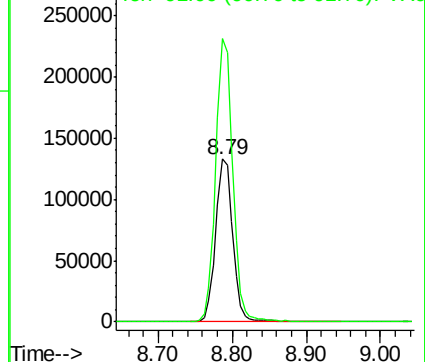
92 100

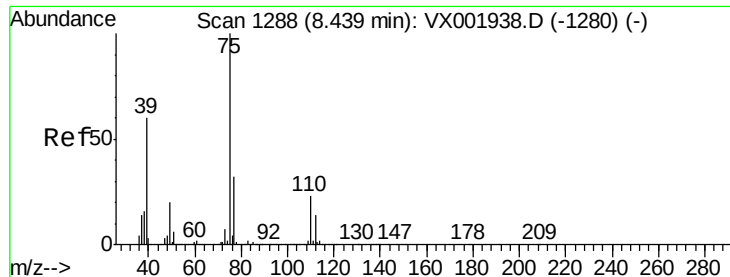
91 173.3 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 16.69 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX002106.D

Acq: 29 May 2018 21:06

Instrument :

MSVOA_X

ClientSampleId :

VX0529MBS01

Tot Ion: 75 Resp: 135047

Ion Ratio Lower Upper

75 100

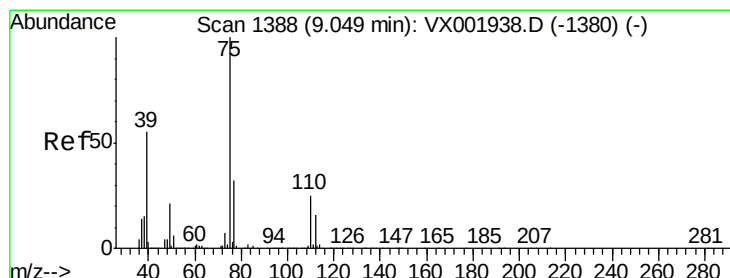
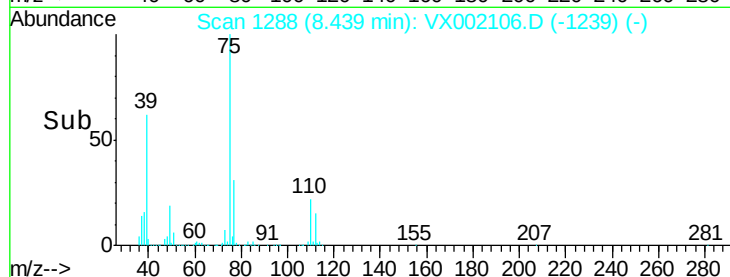
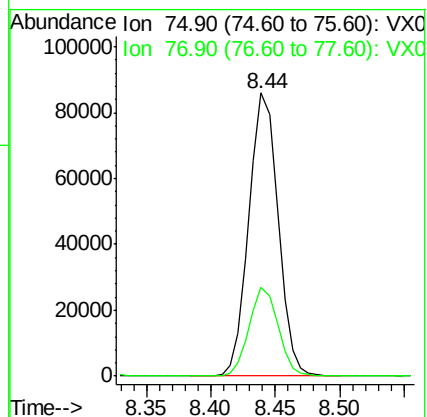
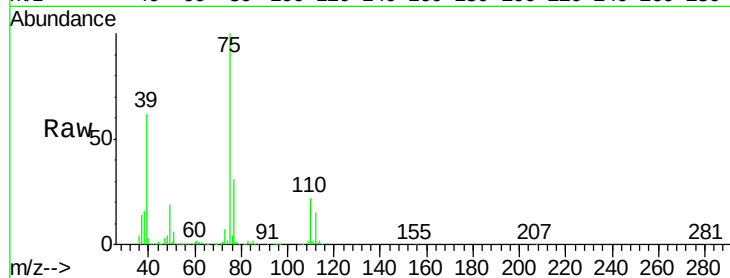
77 31.1 25.5 38.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 15.87 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX002106.D

Acq: 29 May 2018 21:06

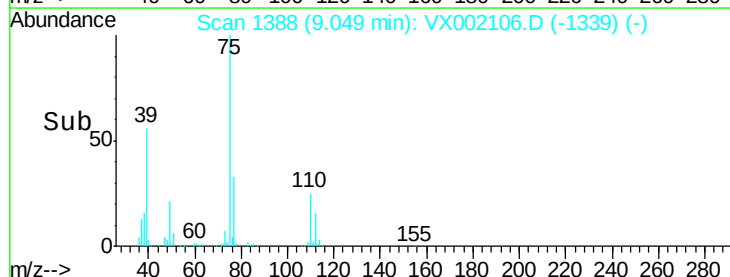
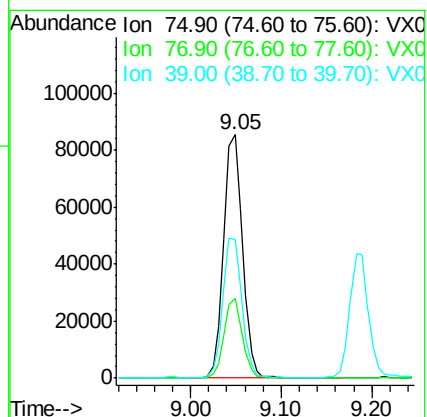
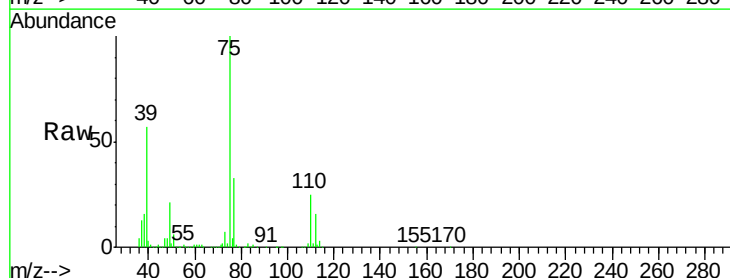
Tgt Ion: 75 Resp: 125118

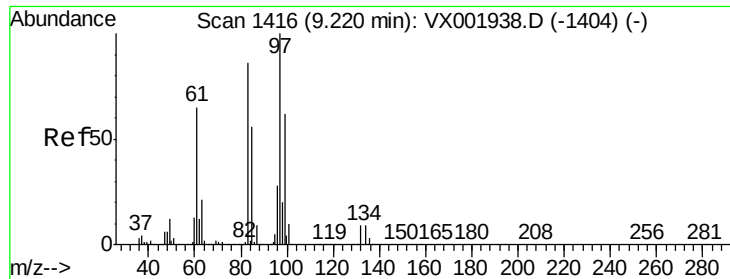
Ion Ratio Lower Upper

75 100

77 32.7 25.4 38.0

39 56.8 44.1 66.1





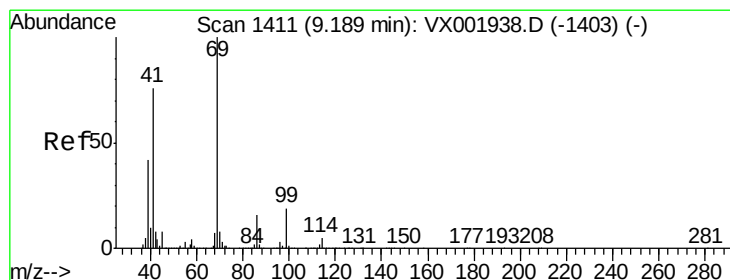
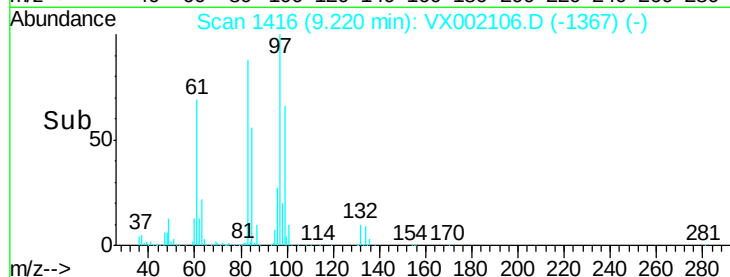
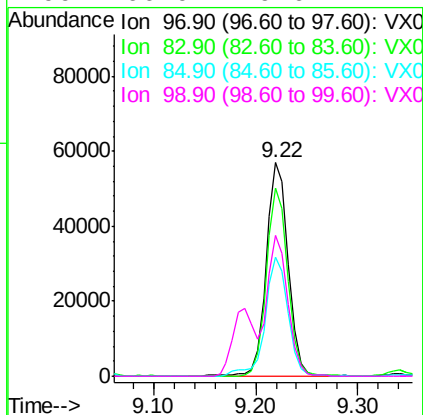
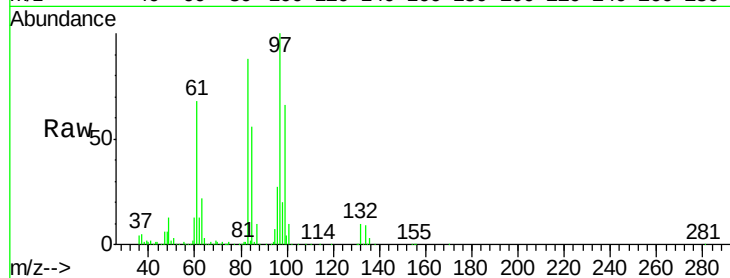
#55
 1,1,2-Trichloroethane
 Concen: 17.39 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002106.D
 Acq: 29 May 2018 21:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0529MBSD01

Tot Ion:	97	Resp:	84752
Ion	Ratio	Lower	Upper
97	100		
83	87.9	69.1	103.7
85	55.6	45.2	67.8
99	66.0	49.6	74.4

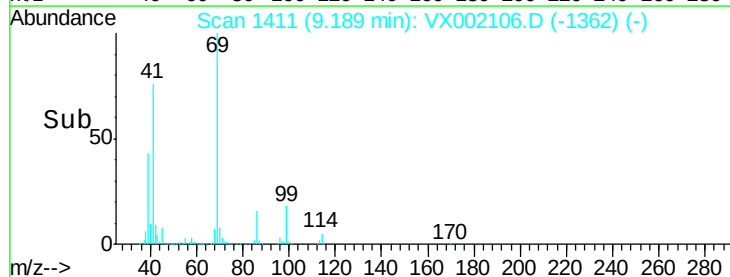
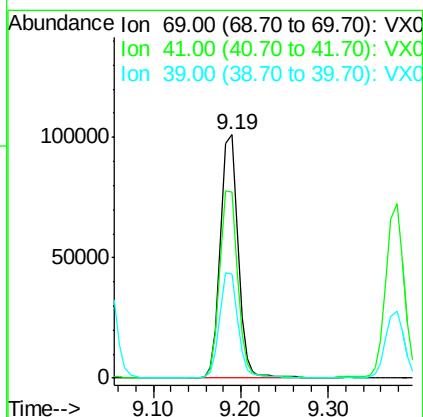
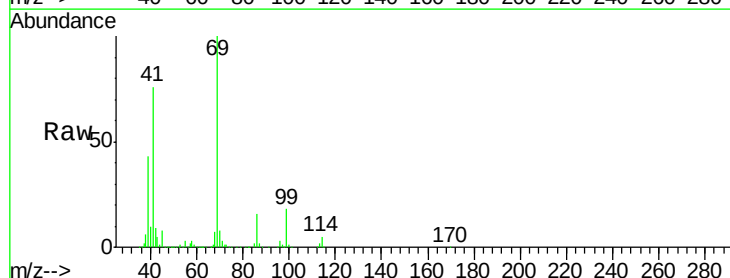
Manual Integrations
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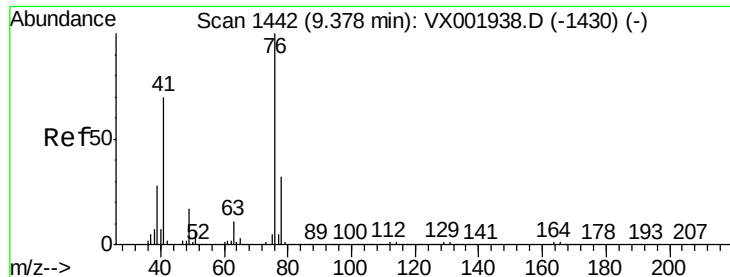
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 5/30/2018 1:51:00 PM



#56
 Ethyl methacrylate
 Concen: 16.97 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX002106.D
 Acq: 29 May 2018 21:06

Tgt Ion:	69	Resp:	142252
Ion	Ratio	Lower	Upper
69	100		
41	77.5	61.0	91.6
39	44.4	34.4	51.6





#57

1,3-Dichloropropane

Concen: 18.00 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002106.D

Acq: 29 May 2018 21:06

Instrument :

MSVOA_X

ClientSampleId :

VX0529MBSD01

Tot Ion: 76 Resp: 144460

Ion Ratio Lower Upper

76 100

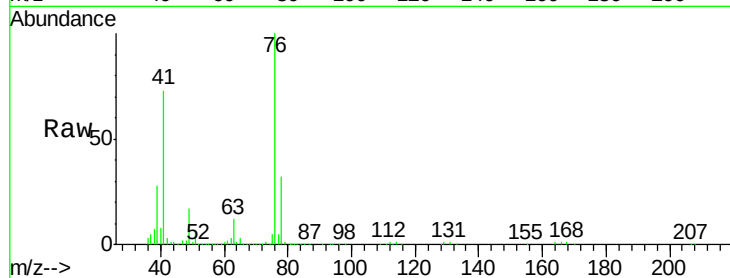
78 32.0 25.6 38.4

Manual Integrations

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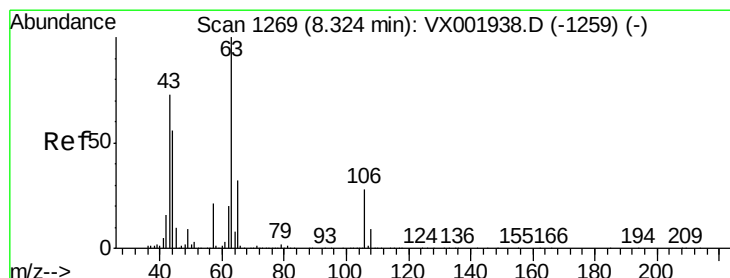
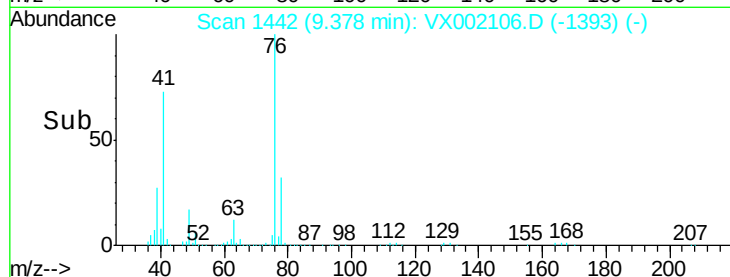
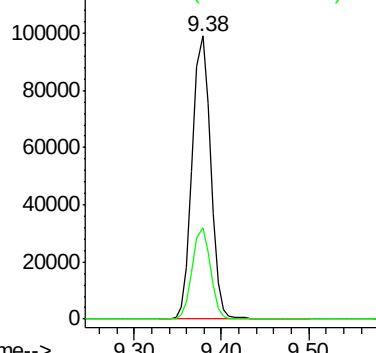
MMDadoda

5/30/2018 1:51:00 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 87.96 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX002106.D

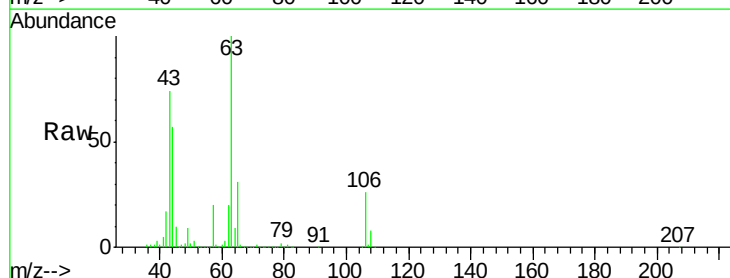
Acq: 29 May 2018 21:06

Tgt Ion: 63 Resp: 326737

Ion Ratio Lower Upper

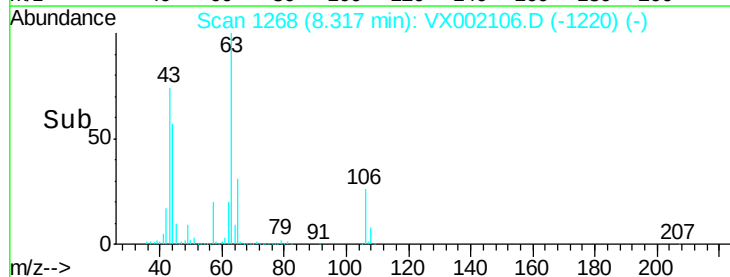
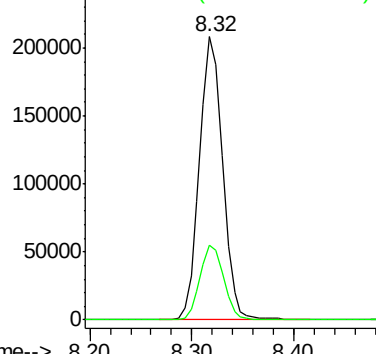
63 100

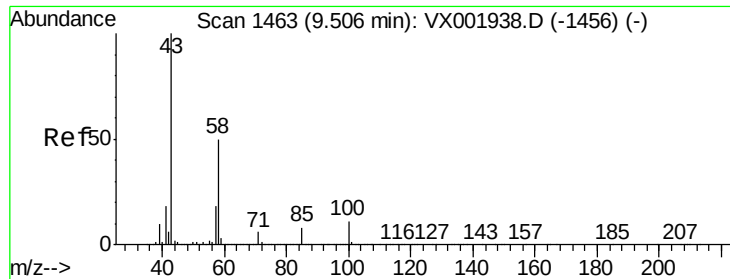
106 27.1 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





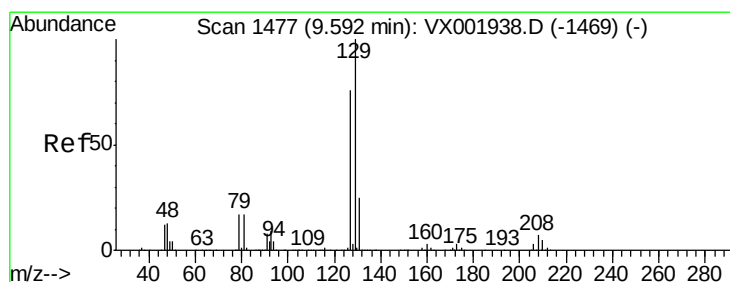
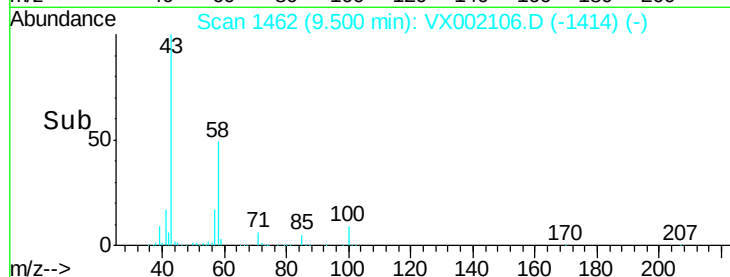
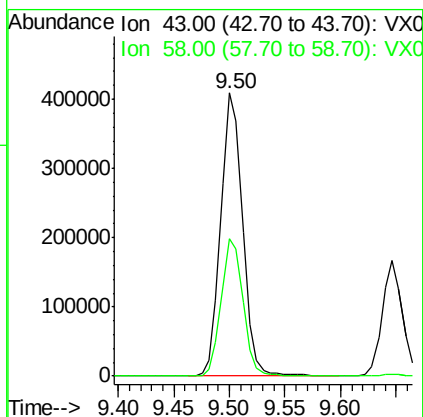
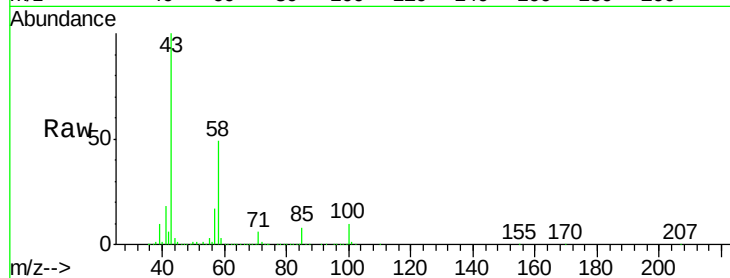
#59
2-Hexanone
Concen: 88.26 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX002106.D
Acq: 29 May 2018 21:06

Instrument :
MSVOA_X
ClientSampleId :
VX0529MBSD01

Tot Ion: 43 Resp: 557526
Ion Ratio Lower Upper
43 100
58 49.2 24.9 74.6

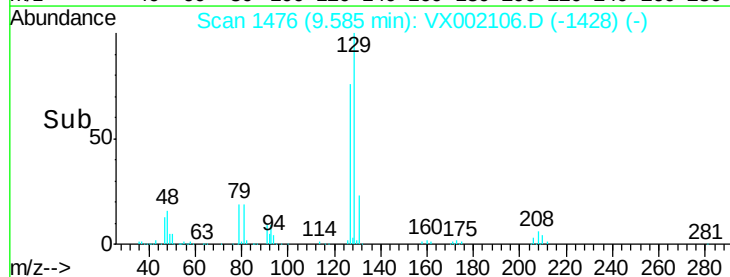
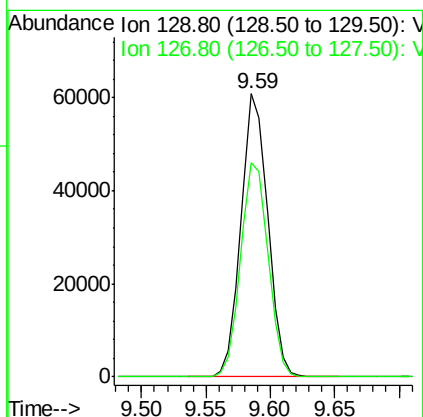
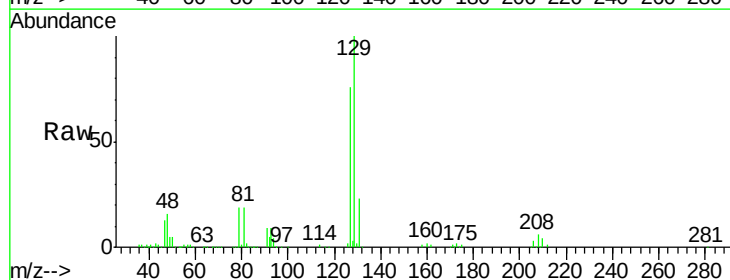
Manual Integrations
APPROVED

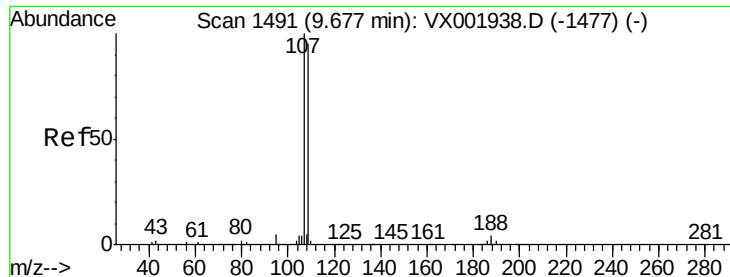
MMDadoda
5/30/2018 1:51:00 PM



#60
Dibromochloromethane
Concen: 15.16 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX002106.D
Acq: 29 May 2018 21:06

Tgt Ion: 129 Resp: 87508
Ion Ratio Lower Upper
129 100
127 77.6 38.3 114.9





#61

1,2-Dibromoethane

Concen: 17.41 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002106.D

Acq: 29 May 2018 21:06

Instrument :

MSVOA_X

ClientSampled :

VX0529MBSD01

Tot Ion:107 Resp: 89027

Ion Ratio Lower Upper

107 100

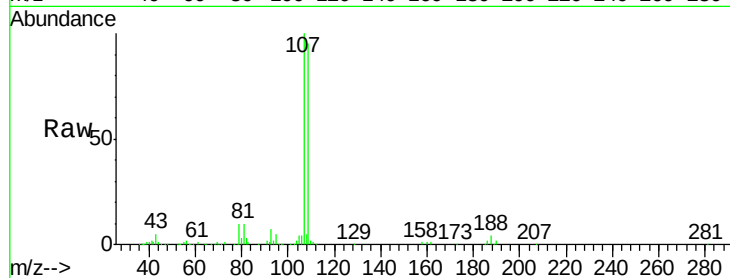
109 95.4 75.3 112.9

Manual Integrations

APPROVED

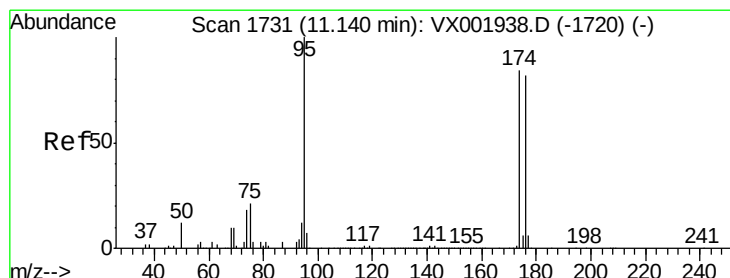
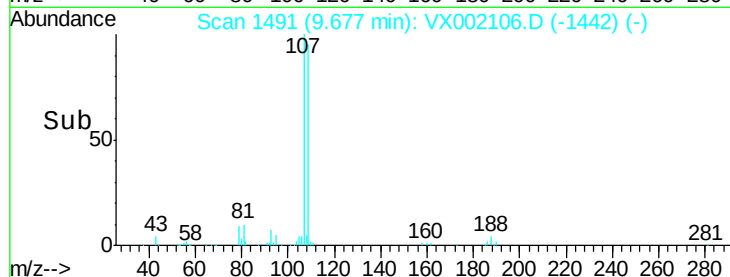
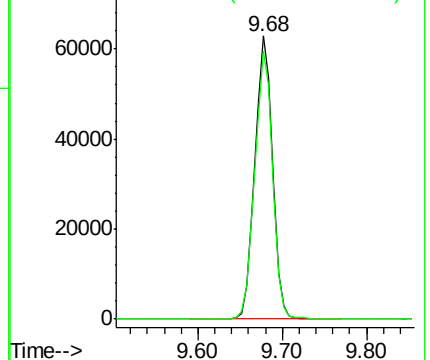
MMDadoda

5/30/2018 1:51:00 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 38.94 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002106.D

Acq: 29 May 2018 21:06

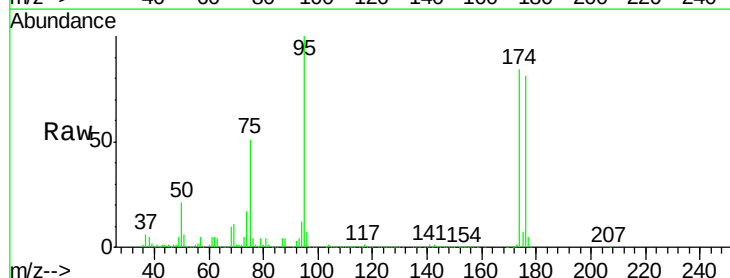
Tgt Ion: 95 Resp: 248108

Ion Ratio Lower Upper

95 100

174 90.2 0.0 178.8

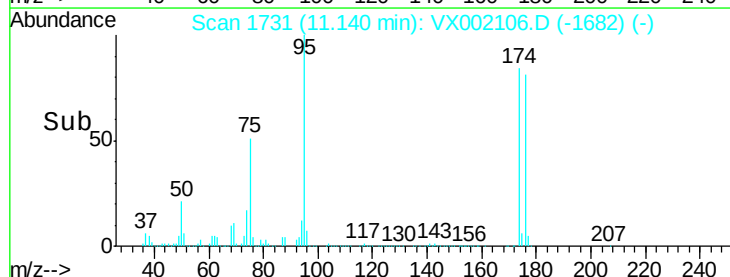
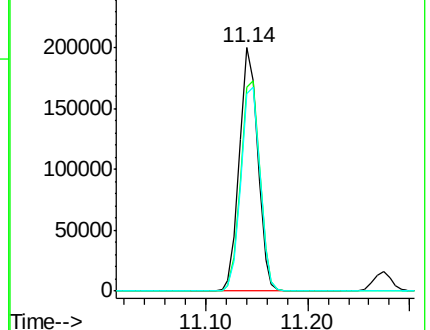
176 87.5 0.0 175.6

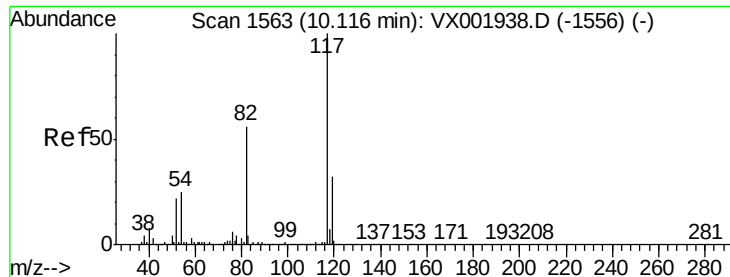


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





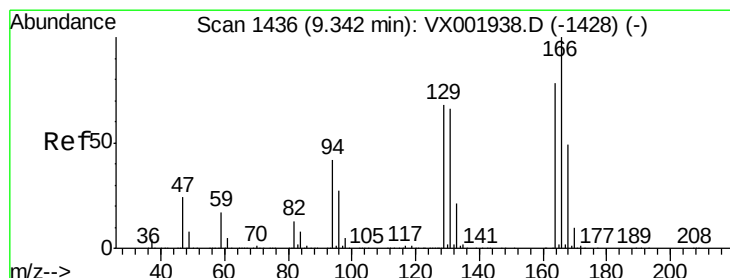
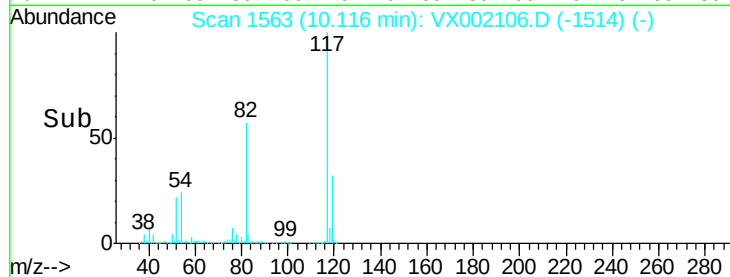
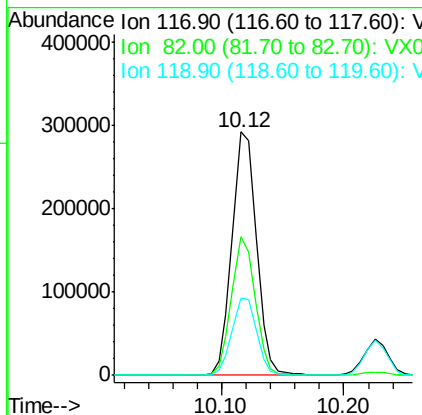
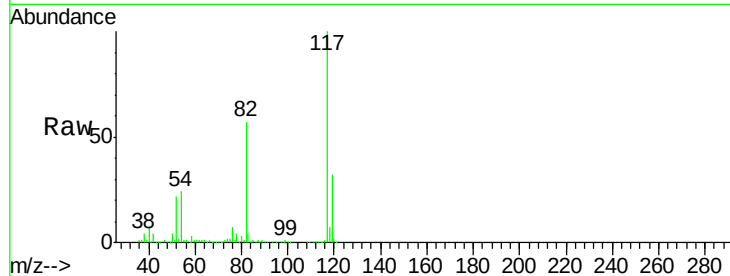
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002106.D
Acq: 29 May 2018 21:06

Instrument :
MSVOA_X
ClientSampleId :
VX0529MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	406360		
82	57.0		44.8	67.2
119	31.9		25.5	38.3

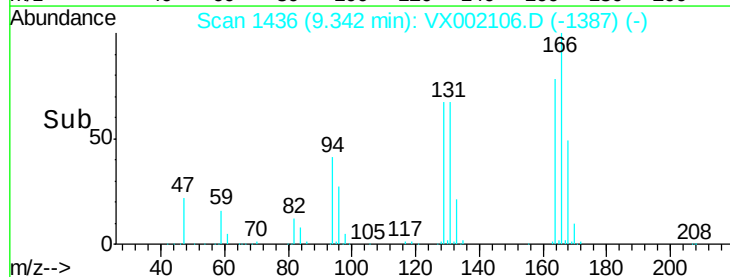
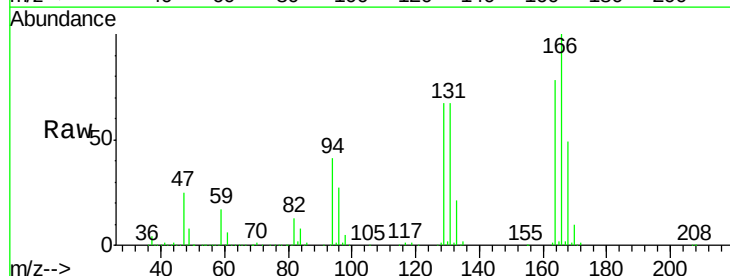
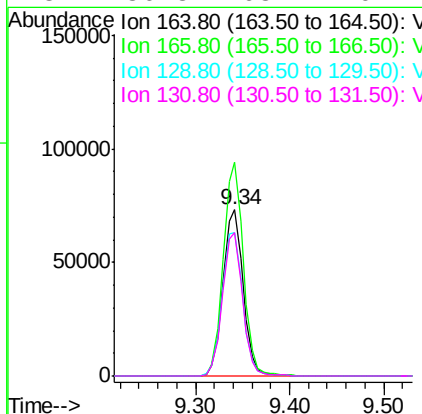
Manual Integrations
APPROVED

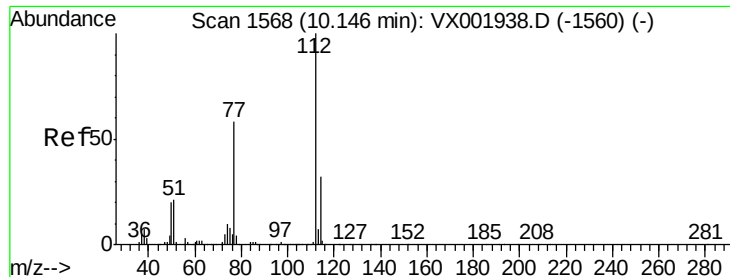
MMDadoda
5/30/2018 1:51:00 PM



#64
Tetrachloroethene
Concen: 18.69 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002106.D
Acq: 29 May 2018 21:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	108916		
166	128.8		102.7	154.1
129	86.4		70.3	105.5
131	86.3		68.2	102.4





#65

Chlorobenzene

Concen: 17.93 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX002106.D

Acq: 29 May 2018 21:06

Instrument :

MSVOA_X

ClientSampled :

VX0529MBS01

Tot Ion:112 Resp: 230788

Ion Ratio Lower Upper

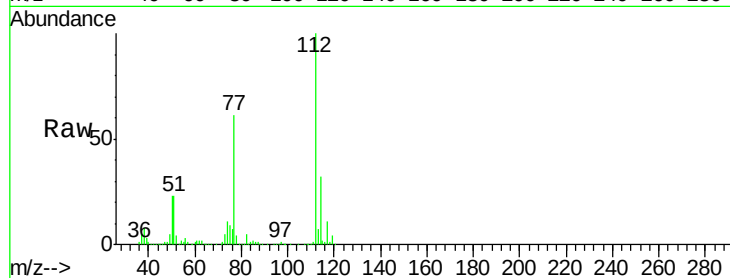
112 100

114 31.7 25.9 38.9

Manual Integrations
APPROVED

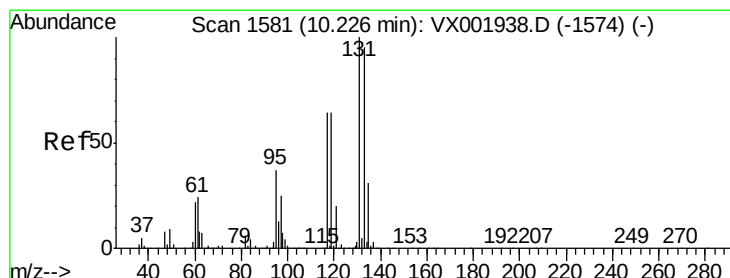
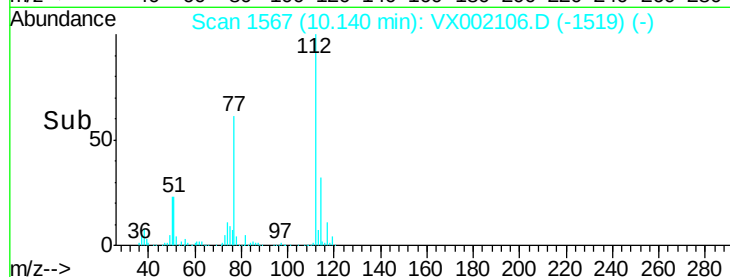
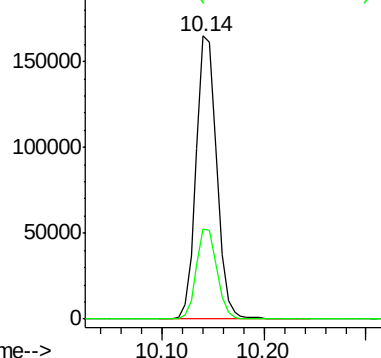
MMDadoda

5/30/2018 1:51:00 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 16.74 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002106.D

Acq: 29 May 2018 21:06

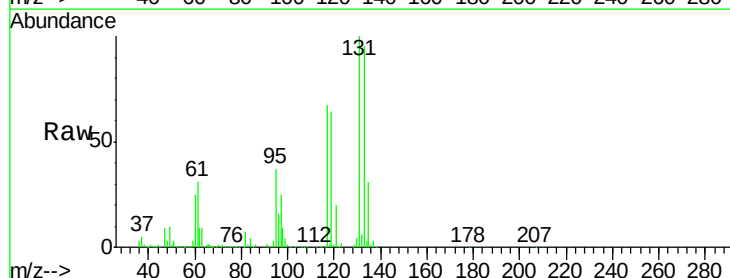
Tgt Ion:131 Resp: 87047

Ion Ratio Lower Upper

131 100

133 95.8 48.0 144.0

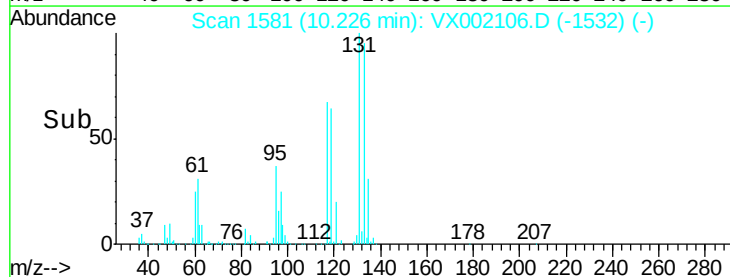
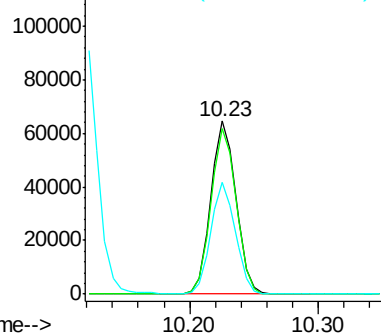
119 63.6 31.9 95.5

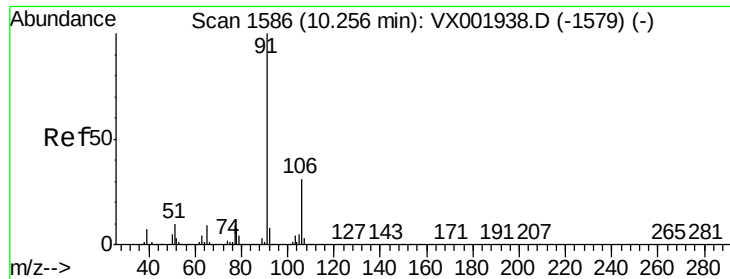


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





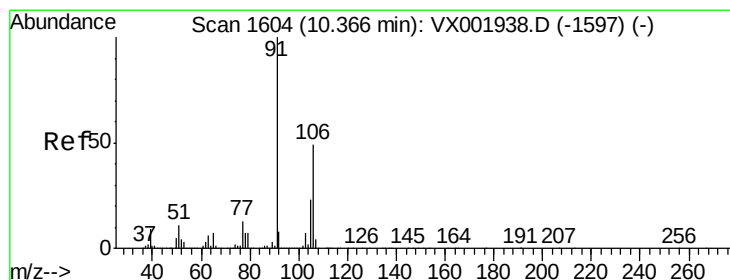
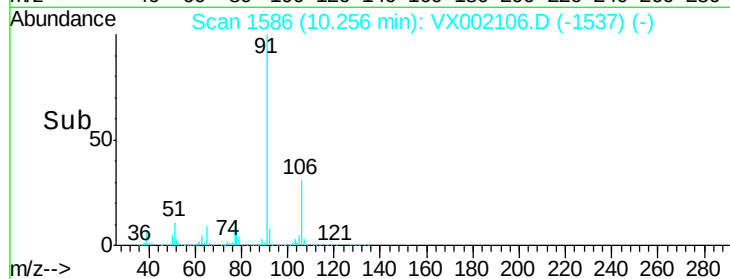
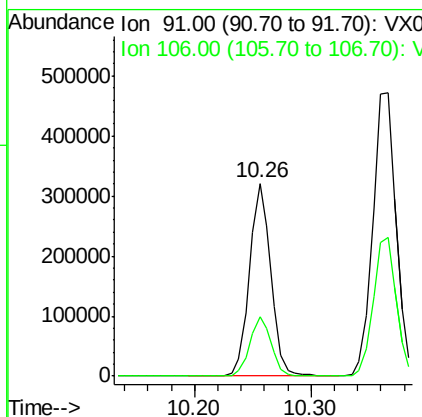
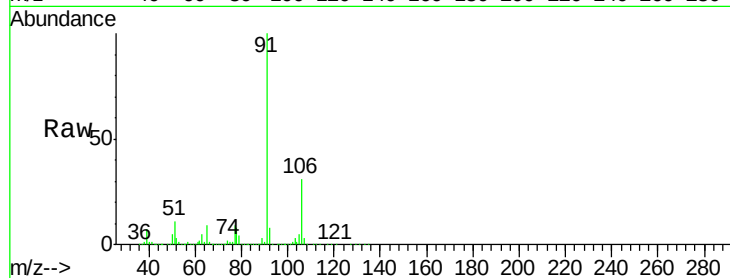
#67
Ethyl Benzene
Concen: 18.40 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002106.D
Acq: 29 May 2018 21:06

Instrument :
MSVOA_X
ClientSampleId :
VX0529MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.9	25.0	37.6

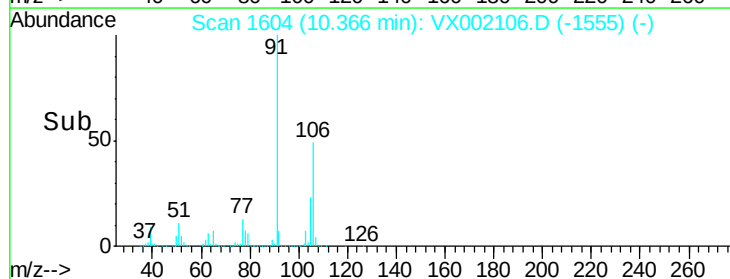
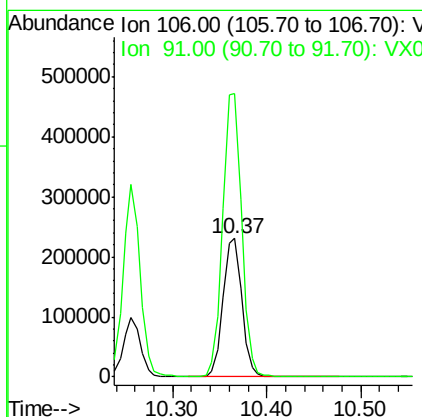
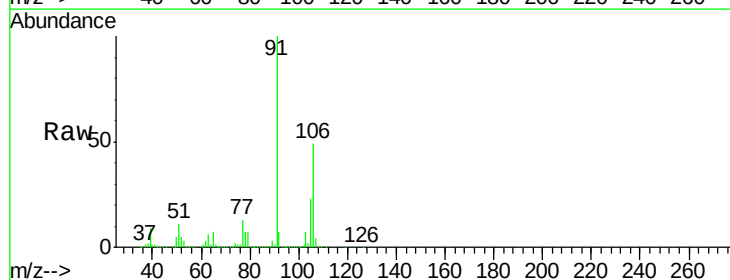
Manual Integrations
APPROVED

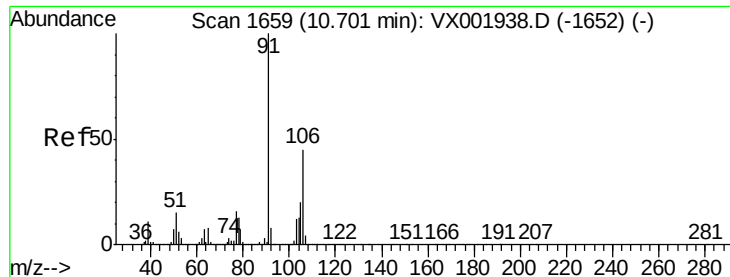
MMDadoda
5/30/2018 1:51:00 PM



#68
m/p-Xylenes
Concen: 37.35 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX002106.D
Acq: 29 May 2018 21:06

Tgt Ion	Ratio	Lower	Upper
106	100		
91	206.8	165.0	247.6





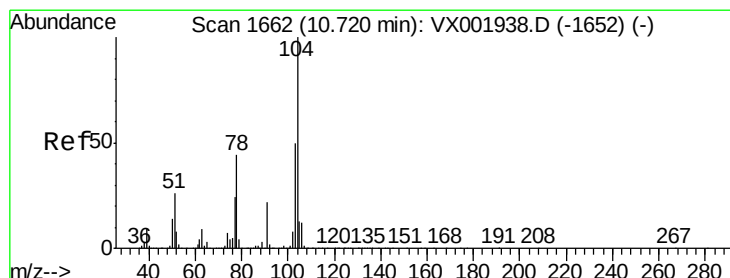
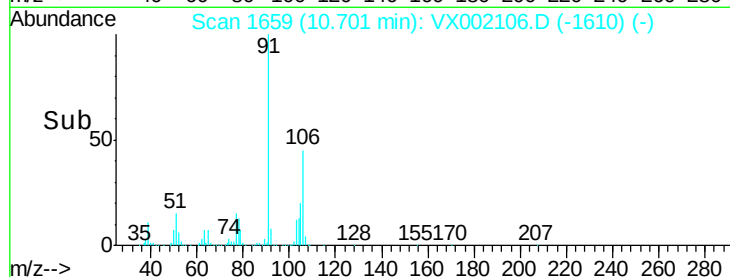
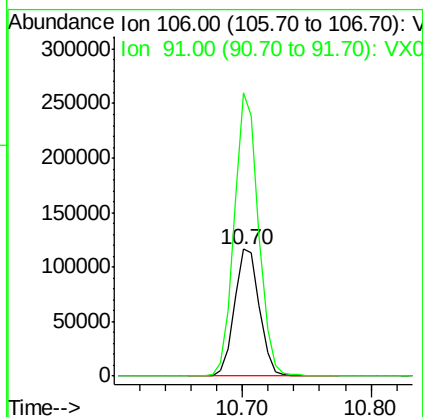
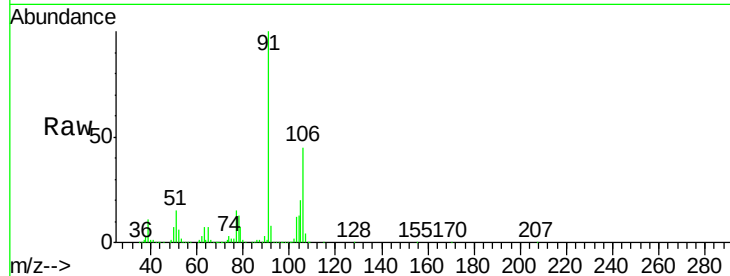
#69
o-Xylene
Concen: 18.38 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002106.D
Acq: 29 May 2018 21:06

Instrument :
MSVOA_X
ClientSampleId :
VX0529MBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	216.1	108.7	325.9

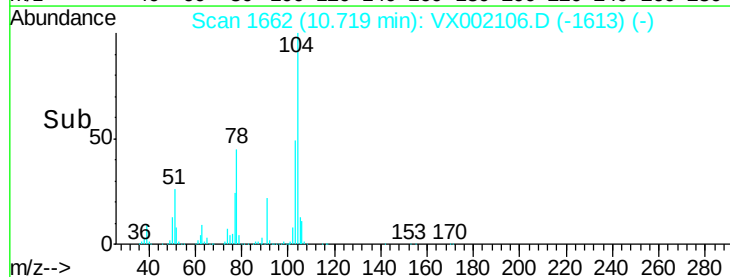
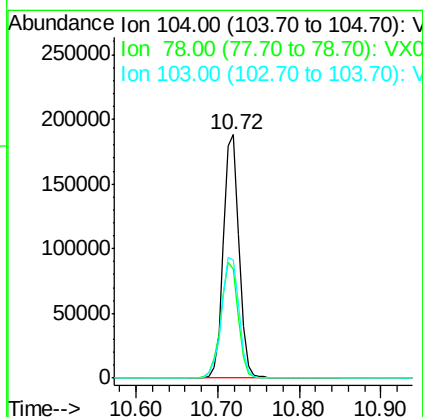
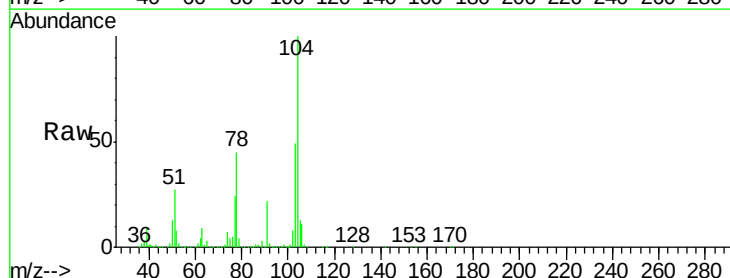
Manual Integrations
APPROVED

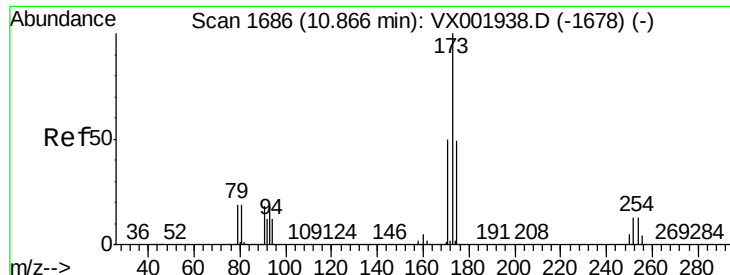
MMDadoda
5/30/2018 1:51:00 PM



#70
Styrene
Concen: 17.66 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX002106.D
Acq: 29 May 2018 21:06

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.1	41.8	62.6
103	55.9	44.6	67.0





#71

Bromoform

Concen: 13.91 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VX002106.D

Acq: 29 May 2018 21:06

Instrument :

MSVOA_X

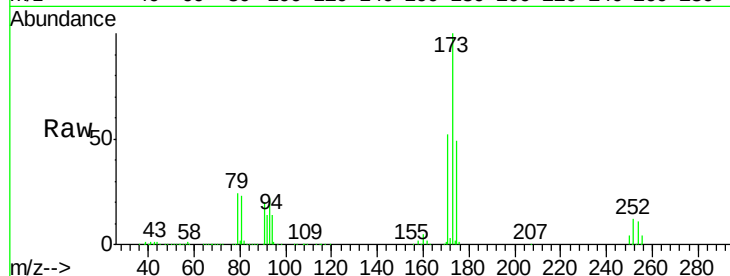
ClientSampleId :

VX0529MBSD01

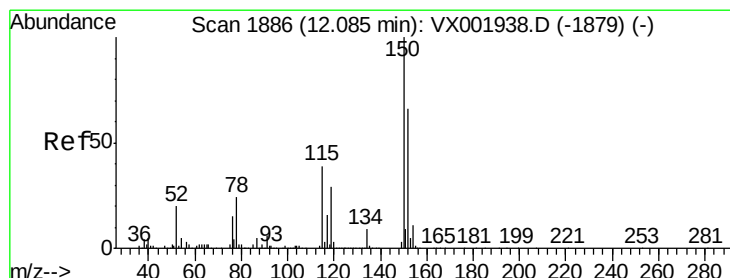
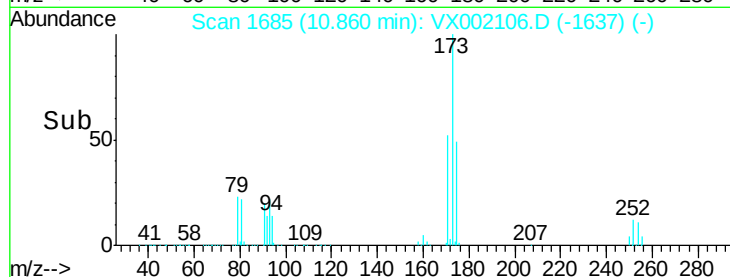
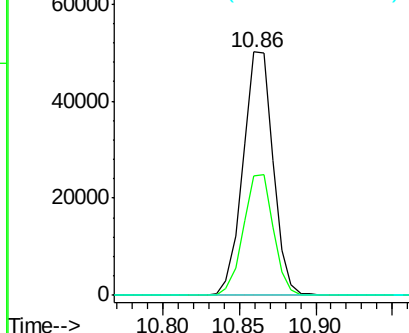
Tot Ion:	173	Resp:	68551
Ion Ratio	Lower	Upper	
173	100		
175	49.5	24.3	72.9
254	0.1	0.1	0.1

Manual Integrations
APPROVED

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5/30/2018 1:51:00 PM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

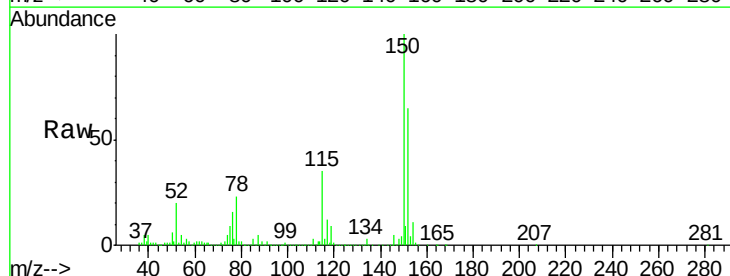
RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

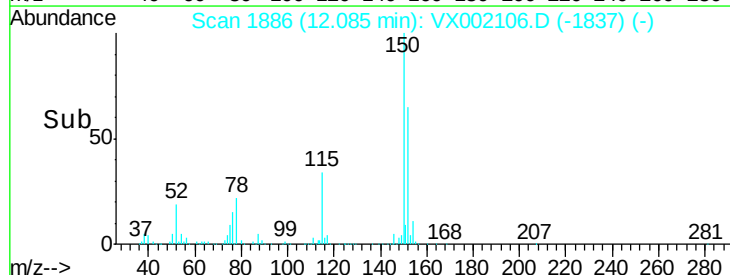
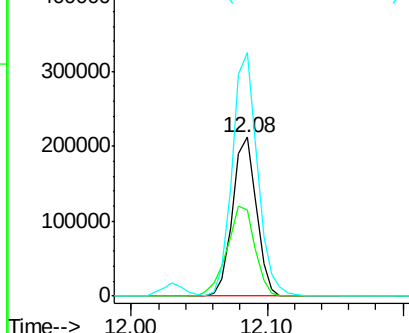
Lab File: VX002106.D

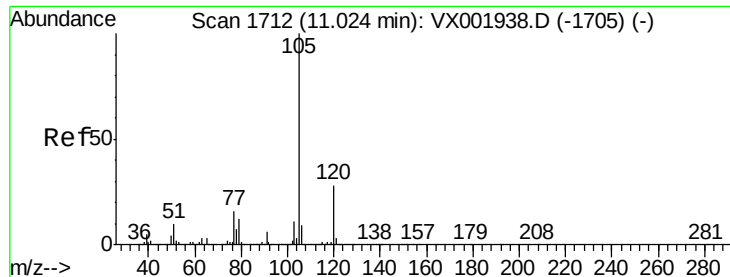
Acq: 29 May 2018 21:06

Tgt Ion:	152	Resp:	258817
Ion Ratio	Lower	Upper	
152	100		
115	66.2	42.3	126.8
150	162.2	0.0	351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





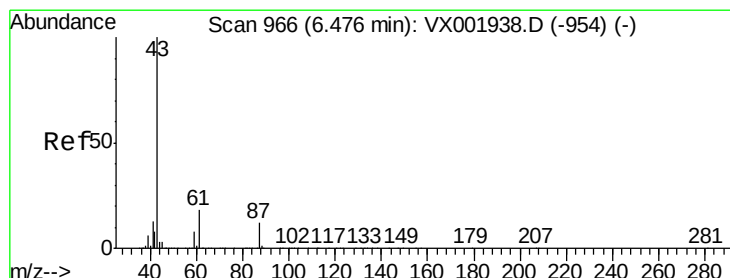
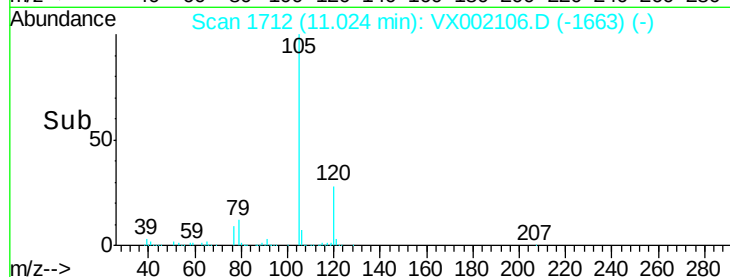
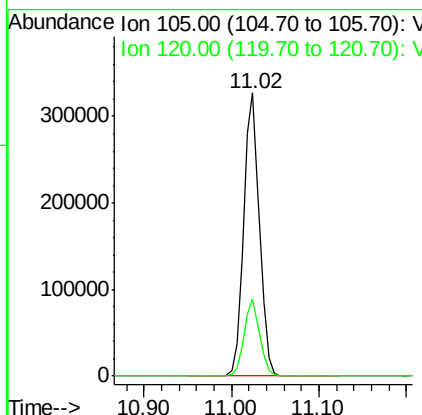
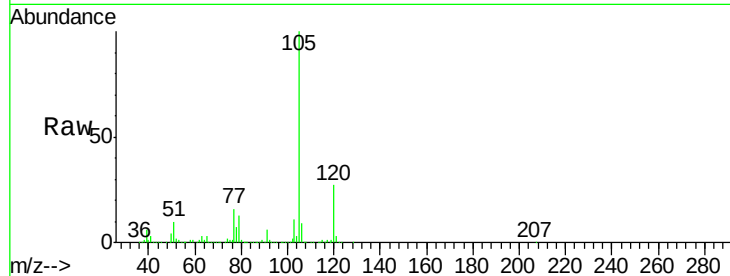
#73
Isopropylbenzene
Concen: 18.71 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VX002106.D
Acq: 29 May 2018 21:06

Instrument :
MSVOA_X
ClientSampleId :
VX0529MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.6	40.7

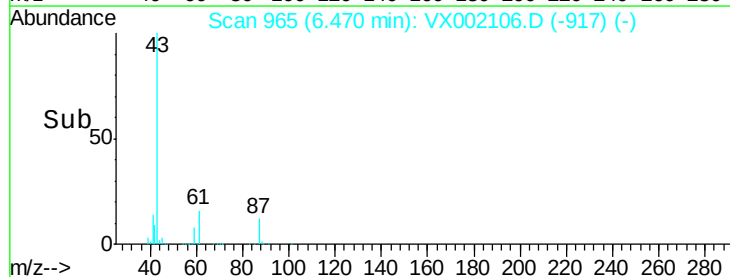
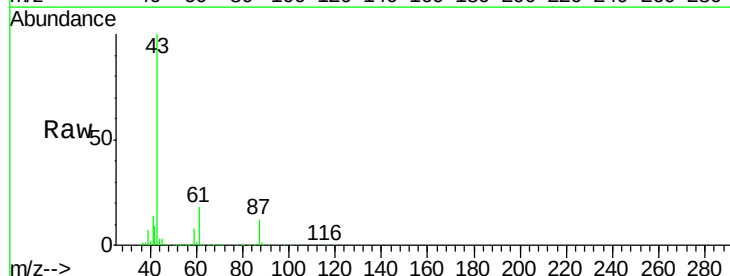
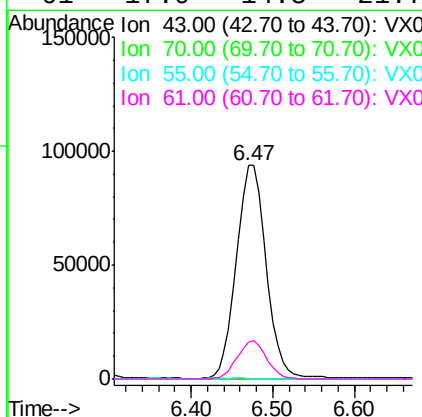
Manual Integrations
APPROVED

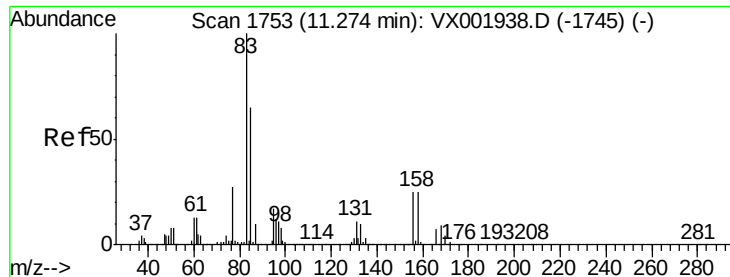
MMDadoda
5/30/2018 1:51:00 PM



#74
N-ethyl acetate
Concen: 18.90 ug/l
RT: 6.47 min Scan# 966
Delta R.T. -0.01 min
Lab File: VX002106.D
Acq: 29 May 2018 21:06

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.1	0.1#
55	0.2	0.1	0.1#
61	17.9	14.5	21.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.21 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002106.D

Acq: 29 May 2018 21:06

Instrument :

MSVOA_X

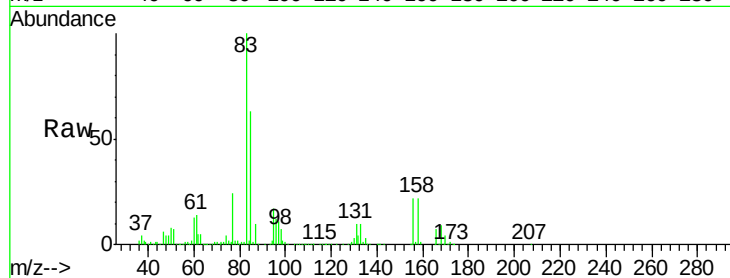
ClientSampleId :

VX0529MBSD01

Tot Ion:	83	Resp:	119853
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.7	17.0
85	64.3	32.6	97.7

Manual Integrations
APPROVED

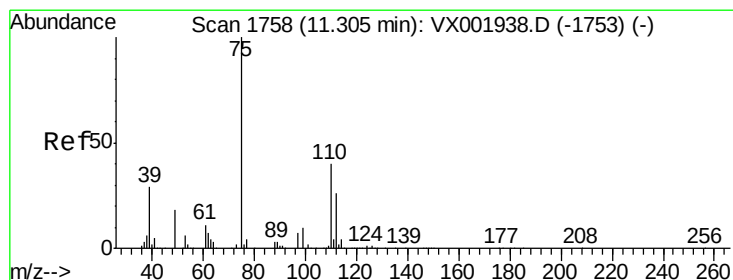
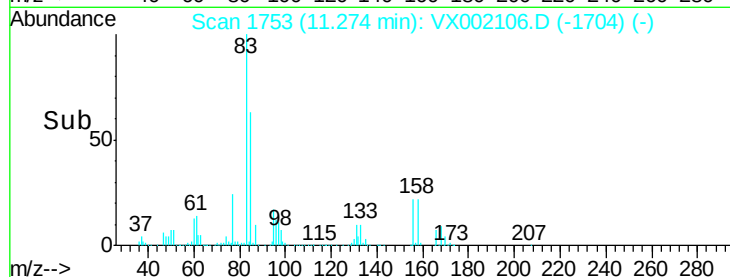
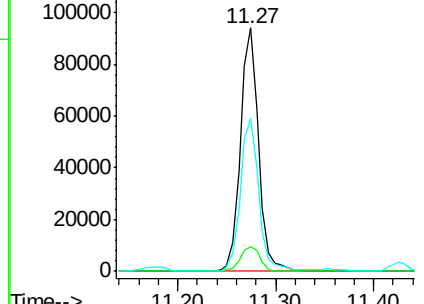
MMDadoda
5/30/2018 1:51:00 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 20.80 ug/l m

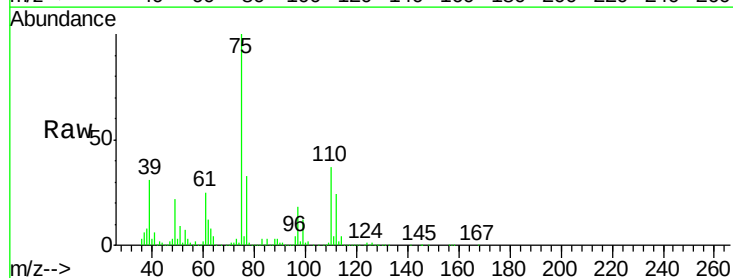
RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VX002106.D

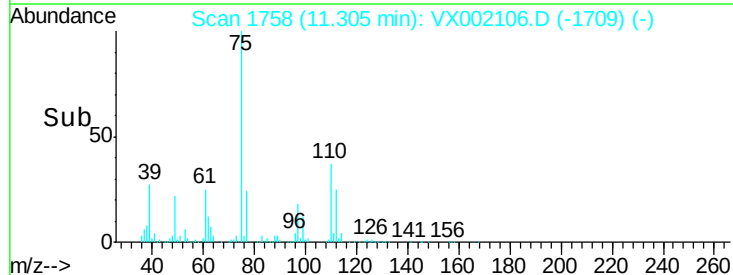
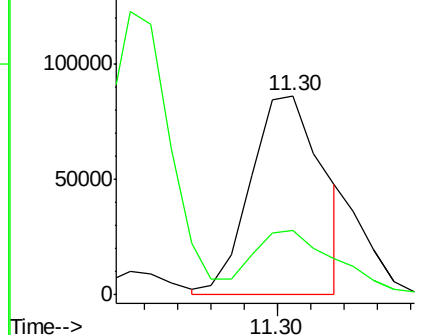
Acq: 29 May 2018 21:06

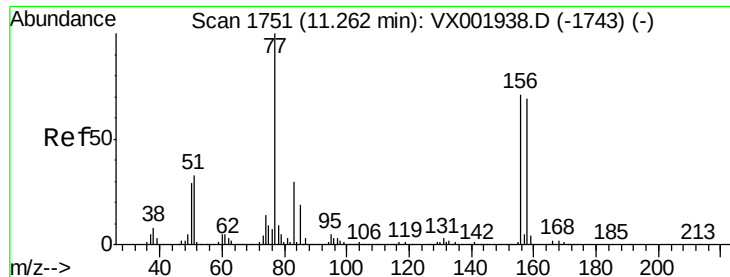
Tgt Ion:	75	Resp:	129296
Ion Ratio	Lower	Upper	
75	100		
77	38.4	22.8	68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 18.71 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX002106.D

Acq: 29 May 2018 21:06

Instrument :

MSVOA_X

ClientSampleId :

VX0529MBS01

Tot Ion:156 Resp: 108788

Ion Ratio Lower Upper

156 100

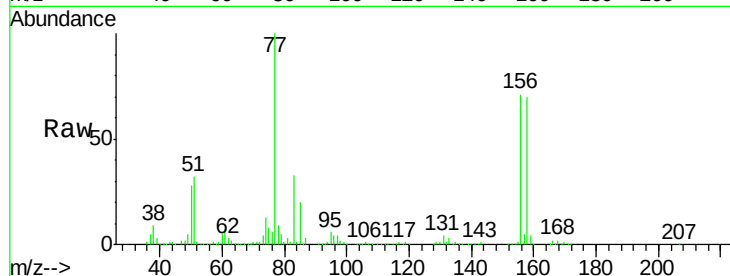
77 148.5 75.2 225.6

158 97.9 48.6 145.8

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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

150000

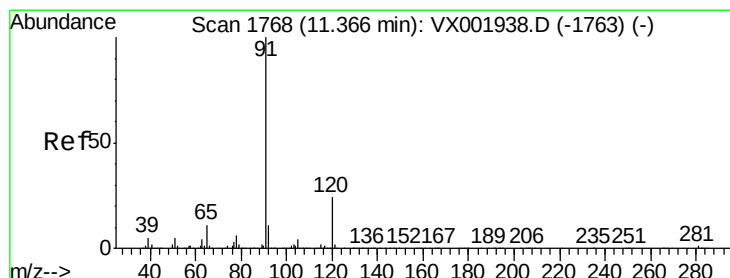
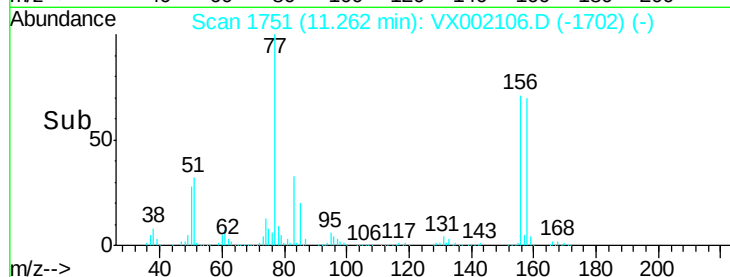
100000

50000

0

11.20 11.30

Time-->



#78

n-propylbenzene

Concen: 18.82 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002106.D

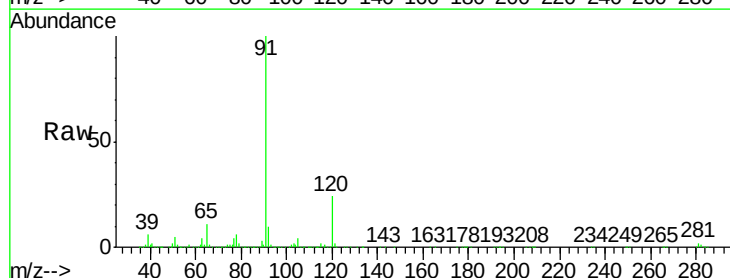
Acq: 29 May 2018 21:06

Tgt Ion: 91 Resp: 461994

Ion Ratio Lower Upper

91 100

120 23.4 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

400000

300000

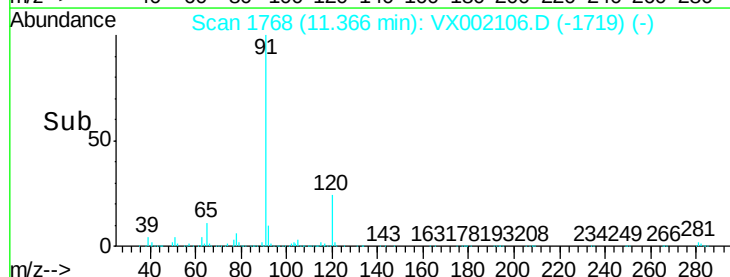
200000

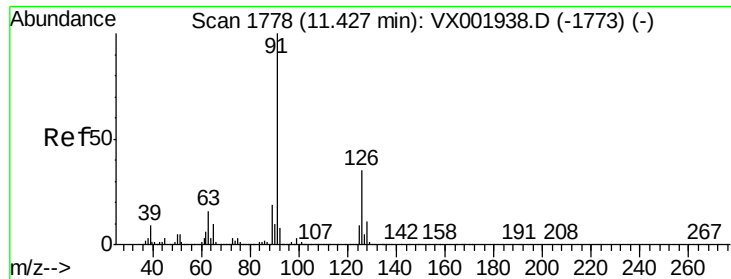
100000

0

11.35 11.40

Time-->





#79

2-Chlorotoluene

Concen: 19.14 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002106.D

Acq: 29 May 2018 21:06

Instrument :

MSVOA_X

ClientSampled :

VX0529MBSD01

Tot Ion: 91 Resp: 276908

Ion Ratio Lower Upper

91 100

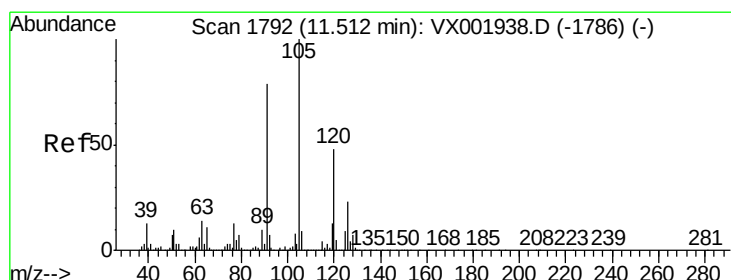
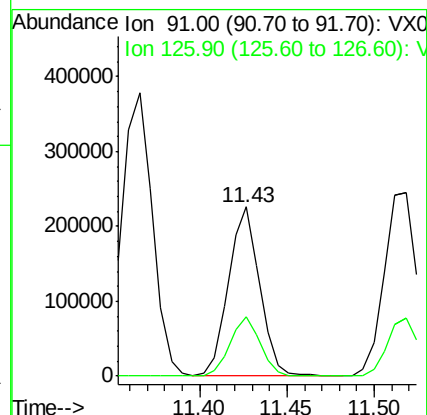
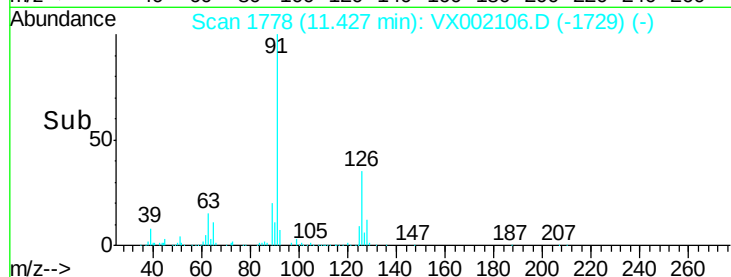
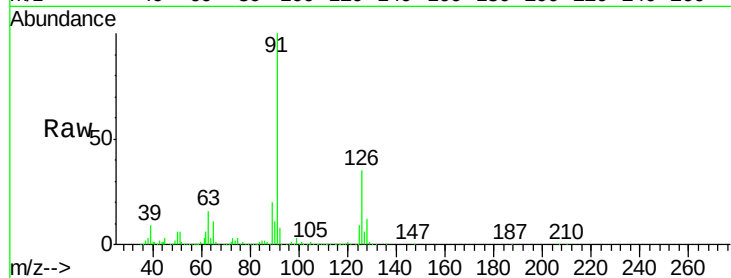
126 34.7 17.4 52.2

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#80

1,3,5-Trimethylbenzene

Concen: 18.54 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002106.D

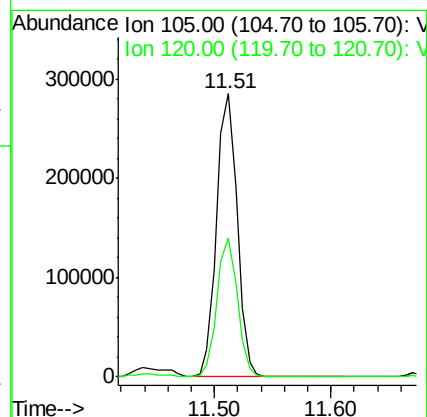
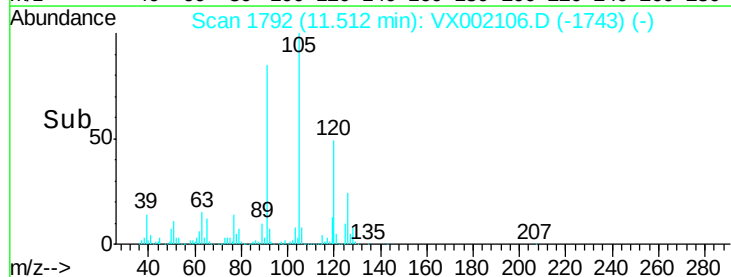
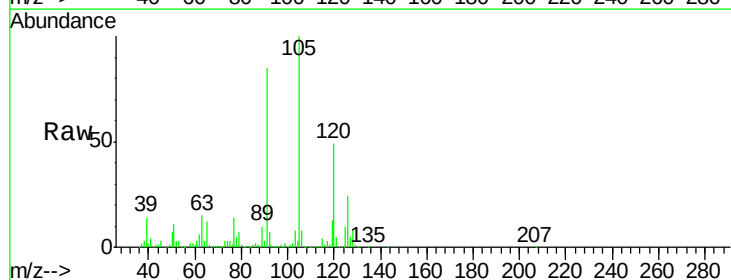
Acq: 29 May 2018 21:06

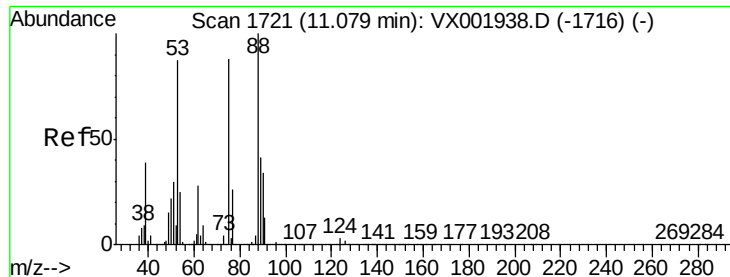
Tgt Ion: 105 Resp: 347192

Ion Ratio Lower Upper

105 100

120 48.7 24.1 72.4





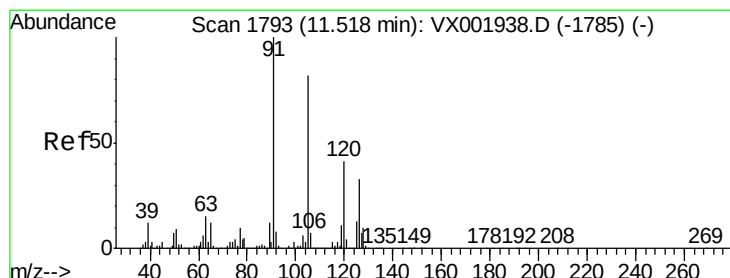
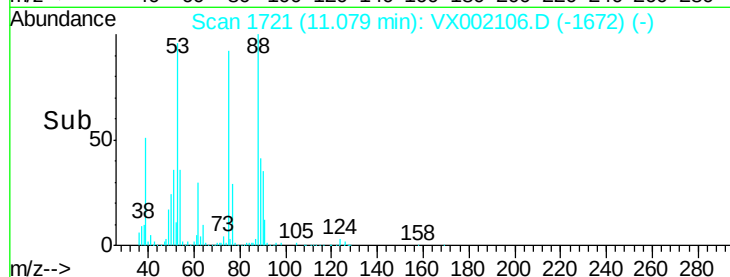
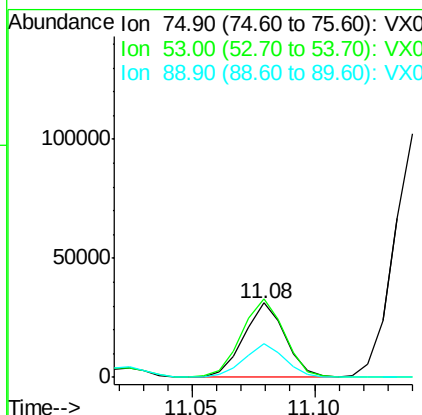
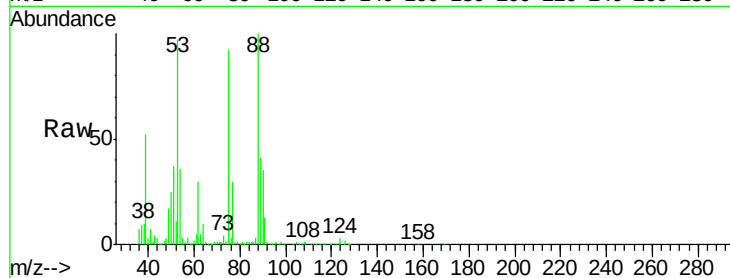
#81
trans-1,4-Dichloro-2-butene
Concen: 14.24 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX002106.D
Acq: 29 May 2018 21:06

Instrument :
MSVOA_X
ClientSampleId :
VX0529MBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.7	78.0	117.0
89	45.1	39.4	59.2

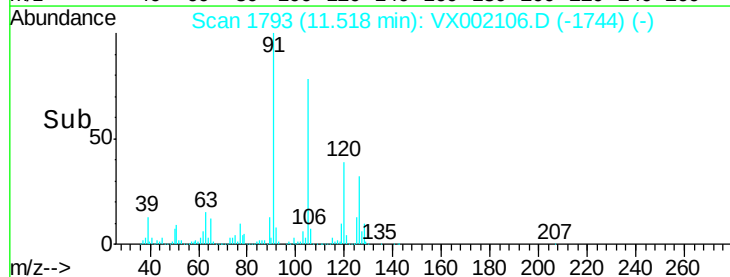
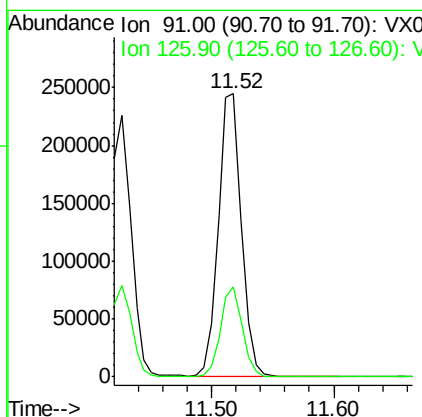
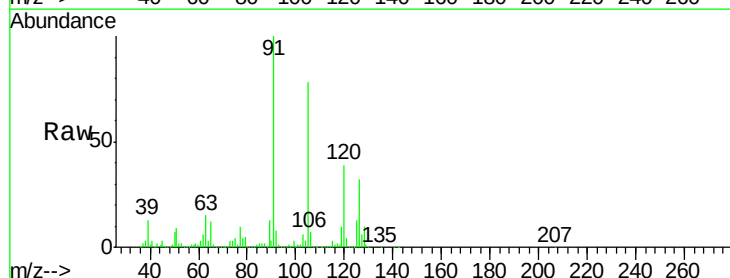
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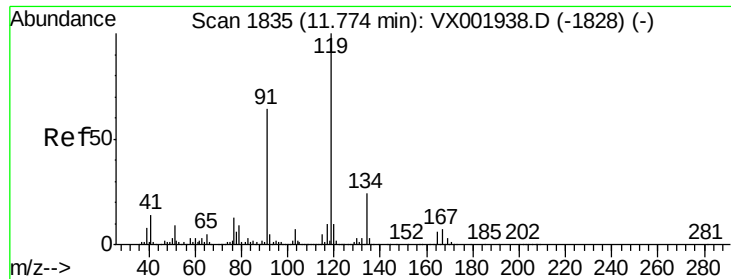
MMDadoda
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#82
4-Chlorotoluene
Concen: 18.53 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX002106.D
Acq: 29 May 2018 21:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.8	15.3	45.8





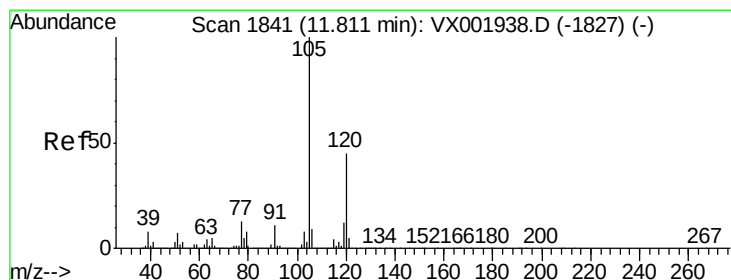
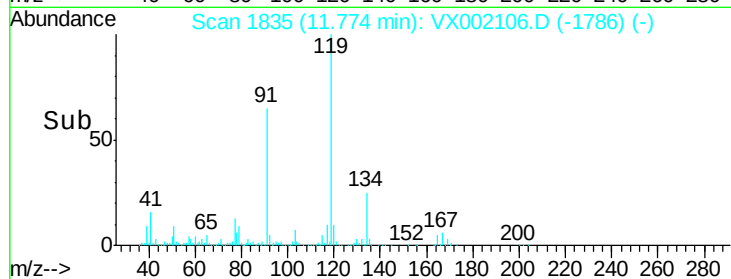
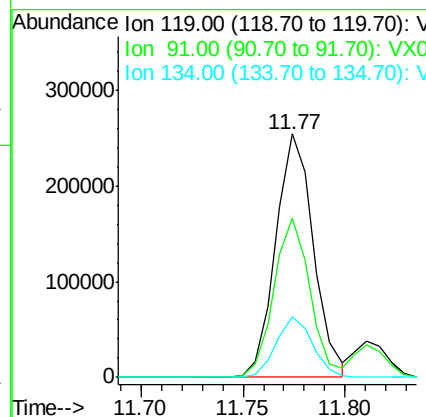
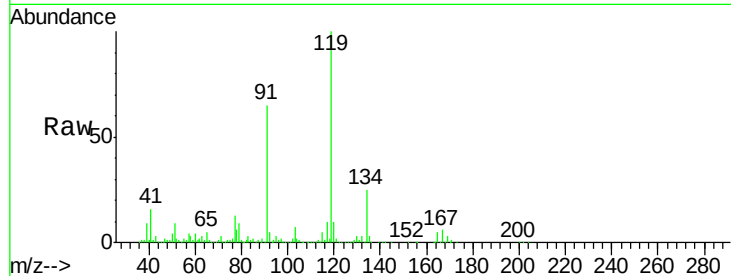
#83
 tert-Butylbenzene
 Concen: 17.89 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002106.D
 Acq: 29 May 2018 21:06

Instrument :
 MSVOA_X
 ClientSampled :
 VX0529MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	328894		
91	62.6	30.6	91.8	
134	24.1	11.7	35.0	

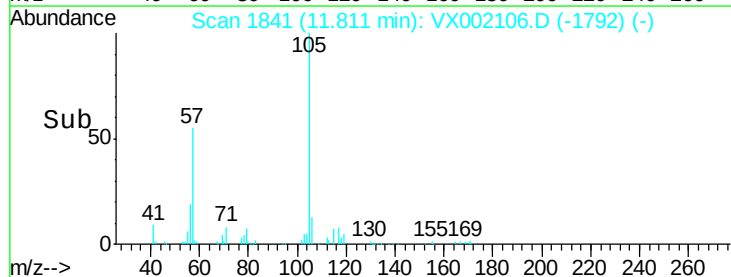
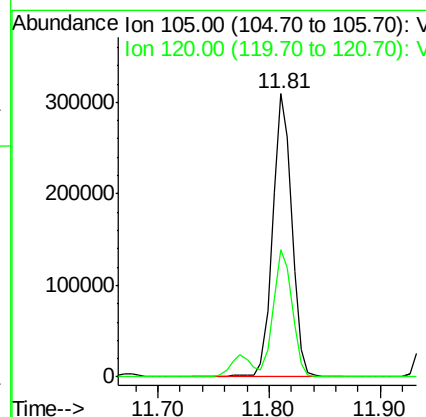
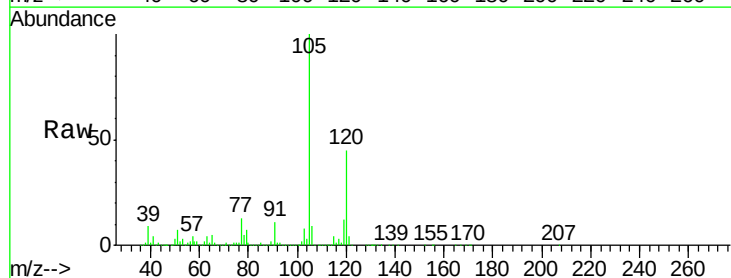
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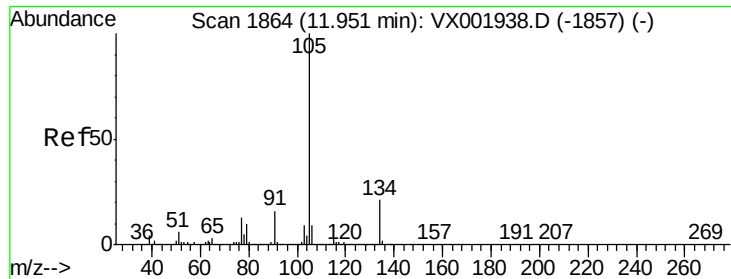
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.29 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002106.D
 Acq: 29 May 2018 21:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	373389		
120	43.9	22.1	66.5	





#85

sec-Butylbenzene

Concen: 18.10 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002106.D

Acq: 29 May 2018 21:06

Instrument :

MSVOA_X

ClientSampleId :

VX0529MBSD01

Tot Ion:105 Resp: 399834

Ion Ratio Lower Upper

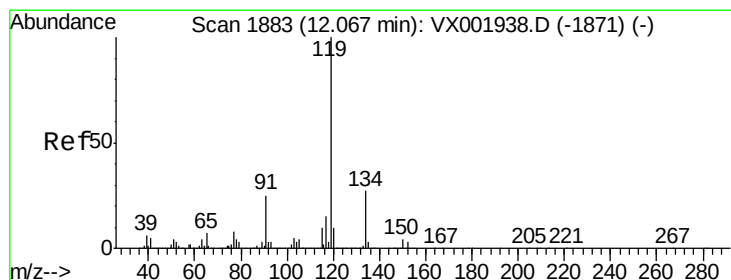
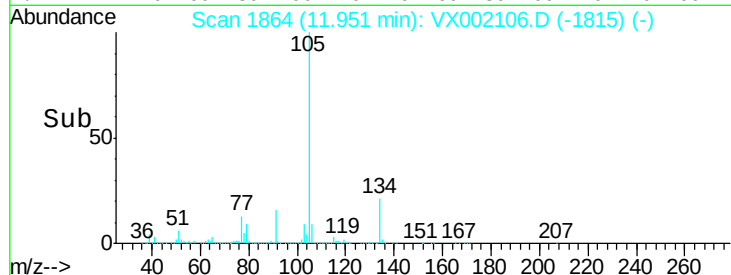
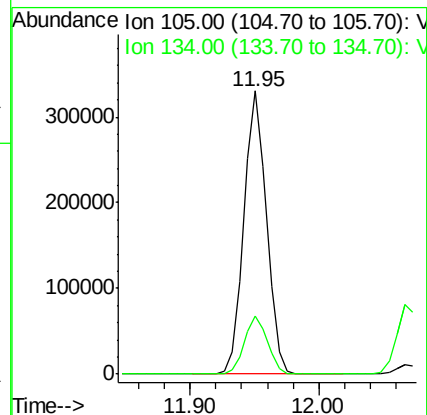
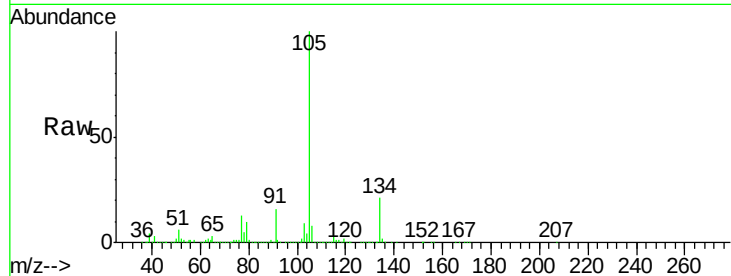
105 100

134 20.9 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 18.11 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002106.D

Acq: 29 May 2018 21:06

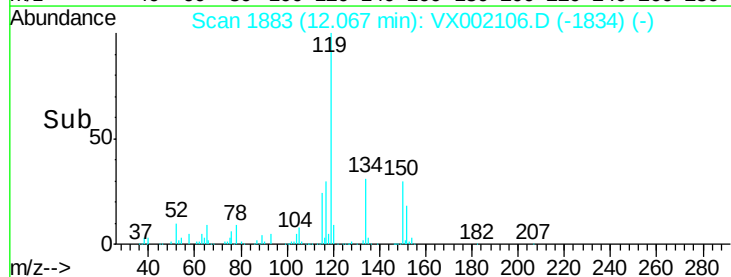
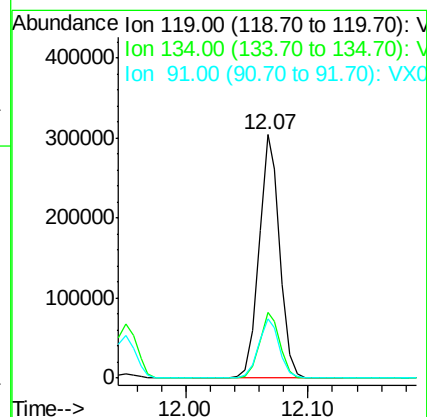
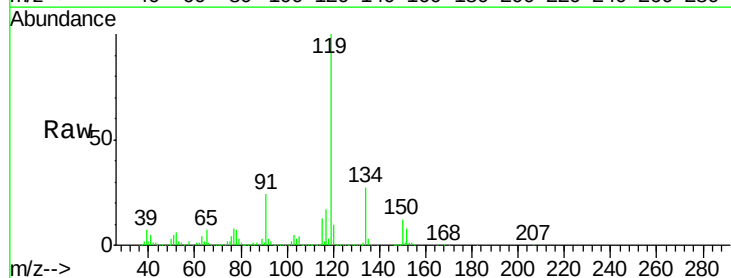
Tgt Ion:119 Resp: 358002

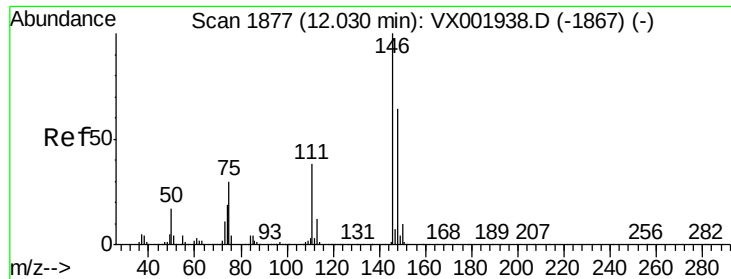
Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.8

91 24.4 12.2 36.4





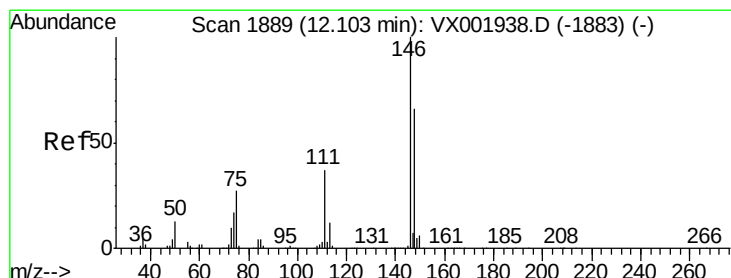
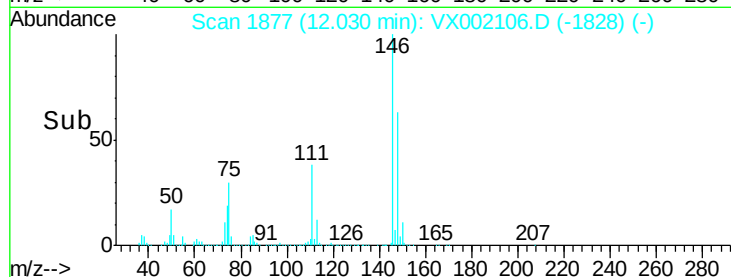
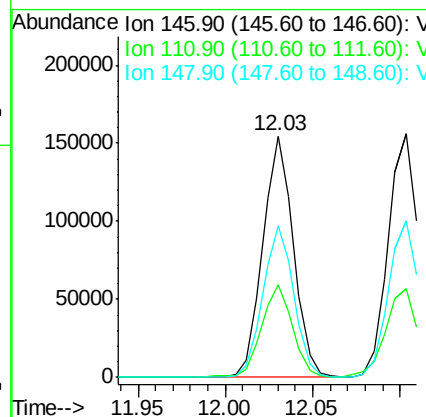
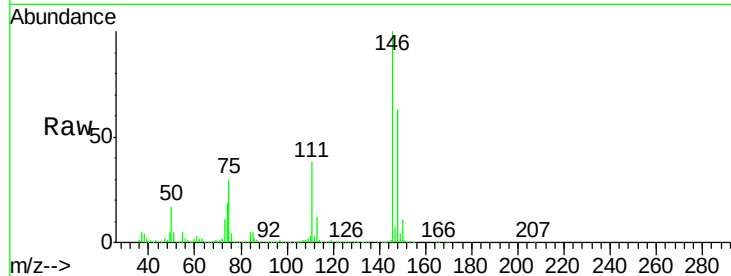
#87
 1,3-Dichlorobenzene
 Concen: 18.18 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002106.D
 Acq: 29 May 2018 21:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0529MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.3	57.8
148	63.5	32.1	96.3

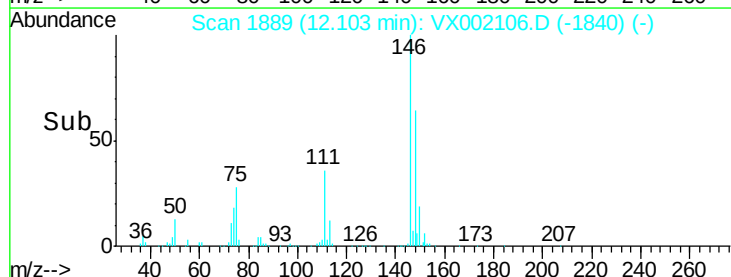
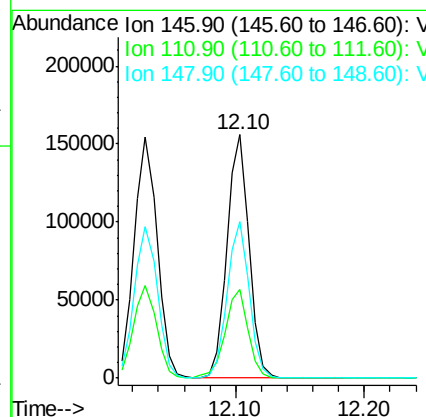
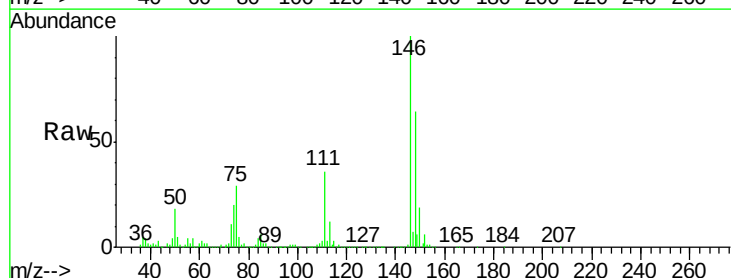
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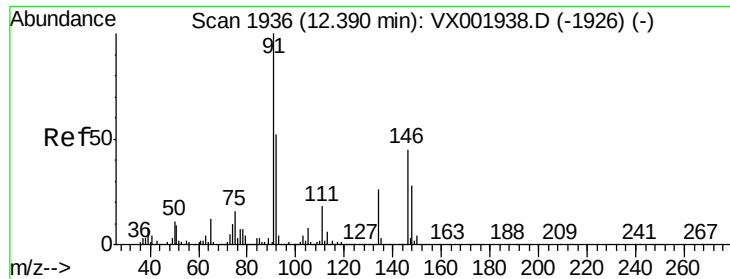
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#88
 1,4-Dichlorobenzene
 Concen: 18.14 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002106.D
 Acq: 29 May 2018 21:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.9	56.5
148	64.3	32.3	96.8





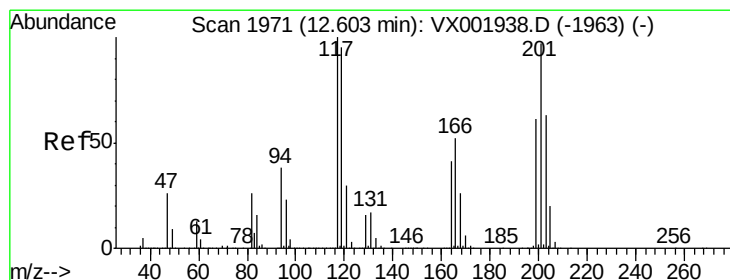
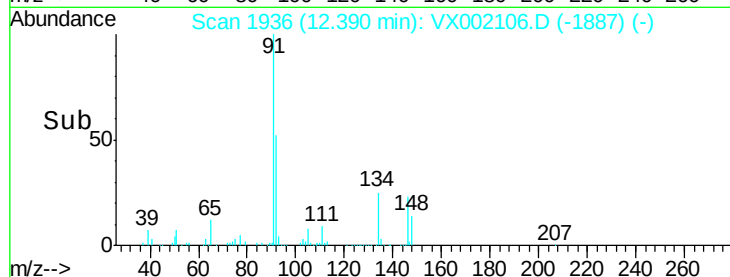
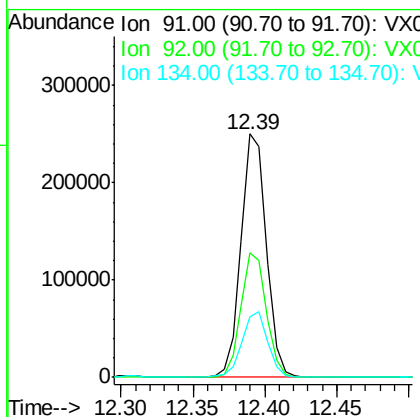
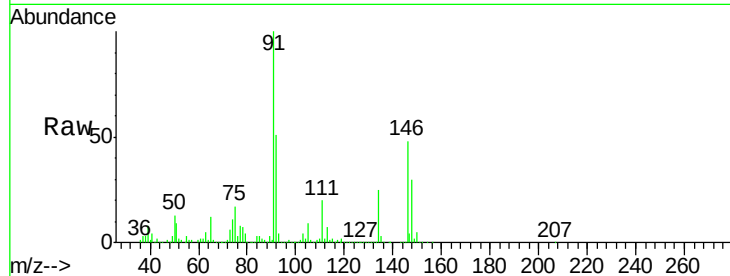
#89
n-Butylbenzene
Concen: 18.16 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002106.D
Acq: 29 May 2018 21:06

Instrument :
MSVOA_X
ClientSampleId :
VX0529MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.3	78.9
134	27.6	13.6	40.7

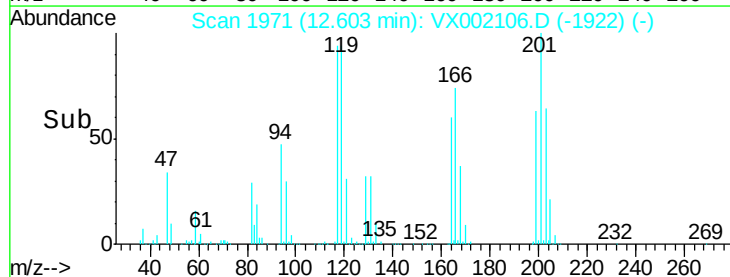
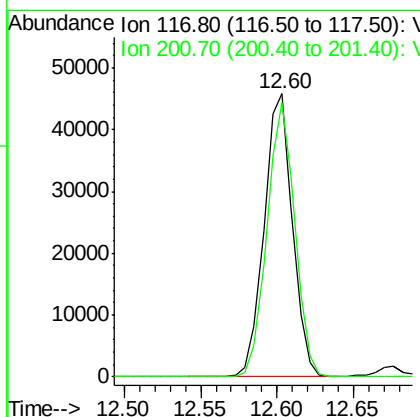
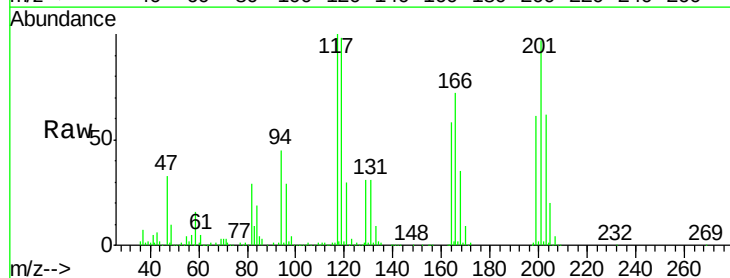
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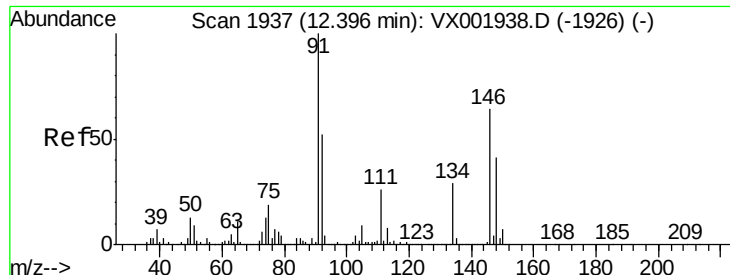
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5/30/2018 1:51:00 PM



#90
Hexachloroethane
Concen: 15.27 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX002106.D
Acq: 29 May 2018 21:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.3	48.0	144.0





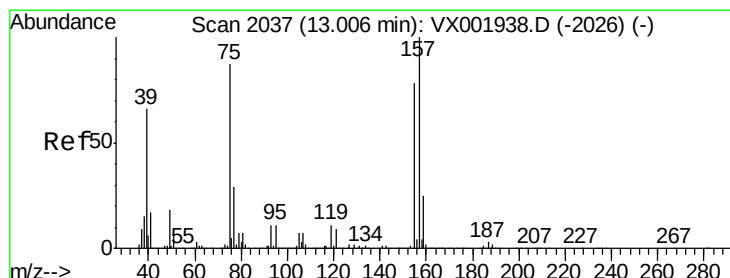
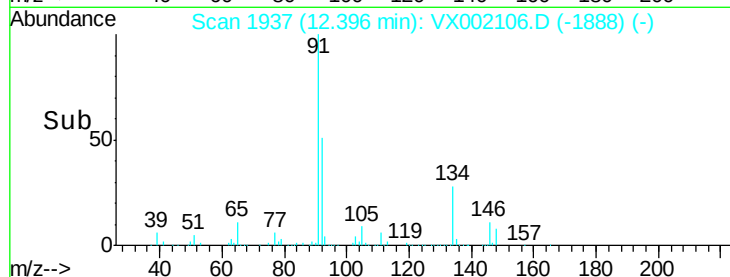
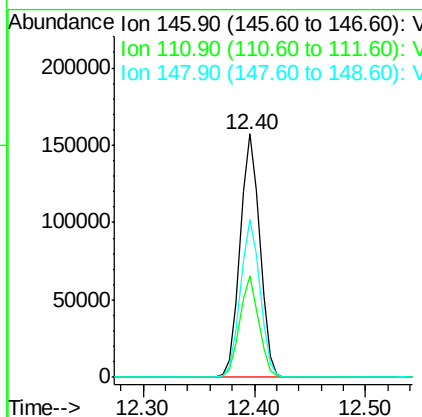
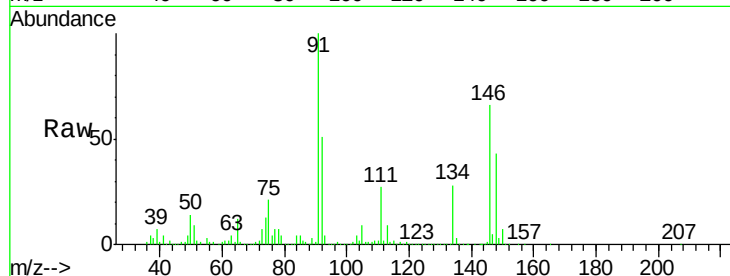
#91
 1,2-Dichlorobenzene
 Concen: 18.24 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002106.D
 Acq: 29 May 2018 21:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0529MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.8	59.3
148	64.6	32.1	96.5

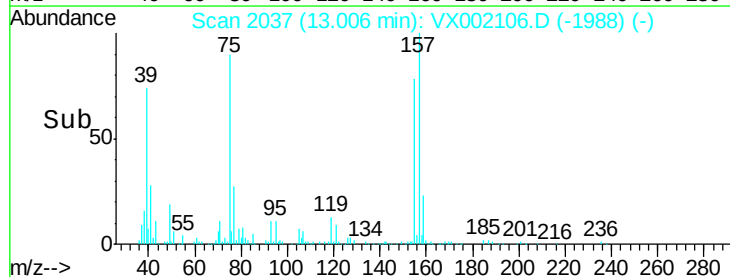
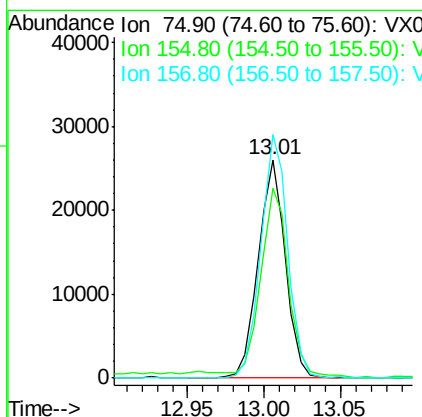
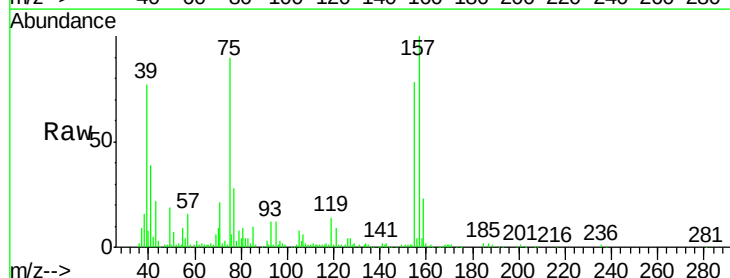
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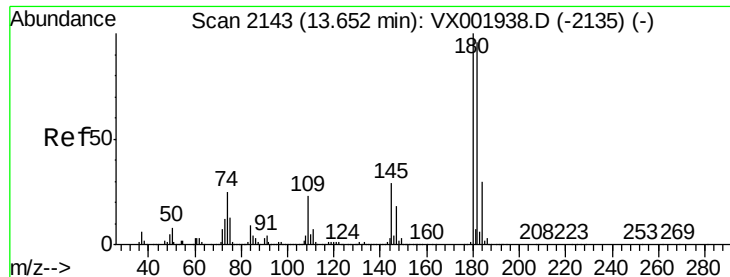
MMDadoda
 5/30/2018 1:51:00 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.59 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002106.D
 Acq: 29 May 2018 21:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.8	45.1	135.2
157	110.3	58.1	174.2





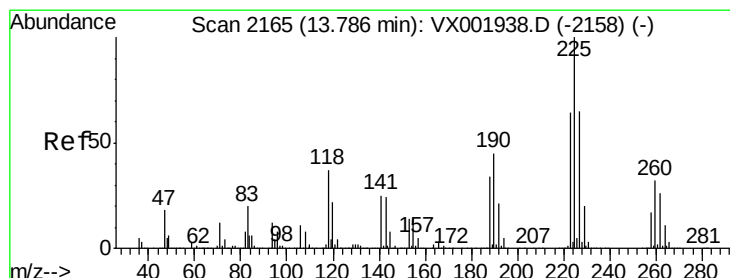
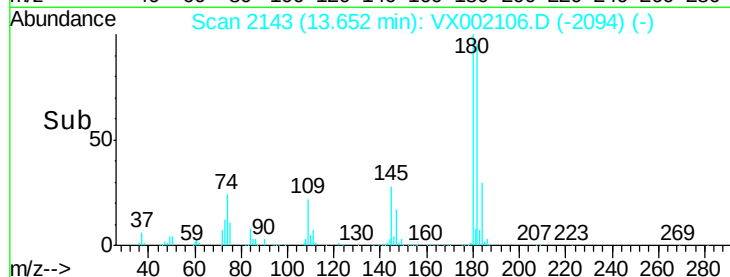
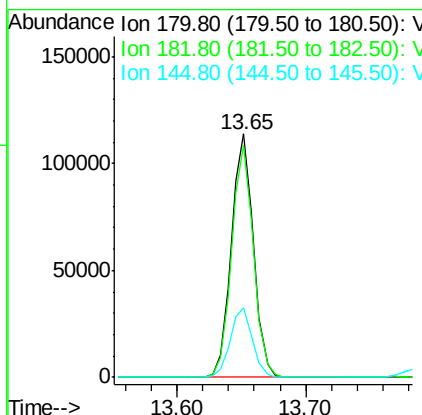
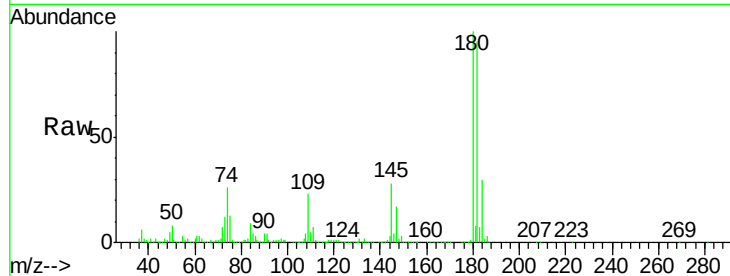
#93
 1,2,4-Trichlorobenzene
 Concen: 17.97 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002106.D
 Acq: 29 May 2018 21:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0529MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	136373		
182	94.6	47.7	143.1	
145	28.4	14.4	43.0	

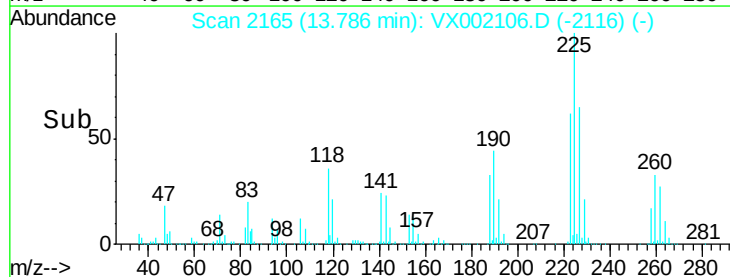
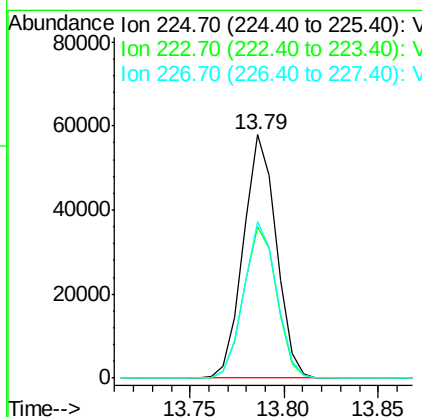
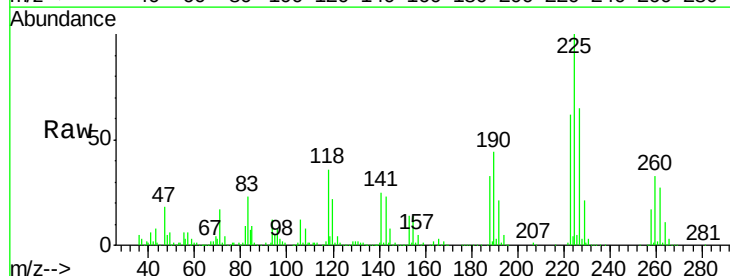
Manual Integrations
 APPROVED

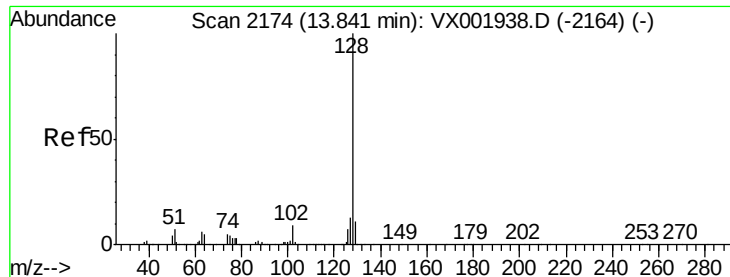
MMDadoda
 5/30/2018 1:51:00 PM



#94
 Hexachlorobutadiene
 Concen: 17.21 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002106.D
 Acq: 29 May 2018 21:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	70250		
223	62.4	31.1	93.5	
227	64.0	32.1	96.5	





#95

Naphthalene

Concen: 19.85 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002106.D

Acq: 29 May 2018 21:06

Instrument :

MSVOA_X

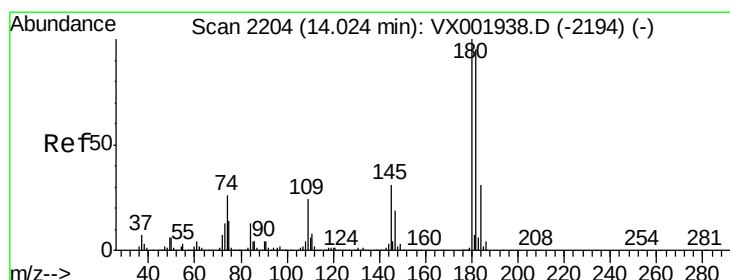
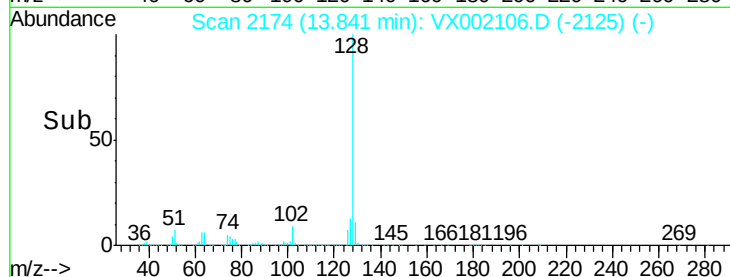
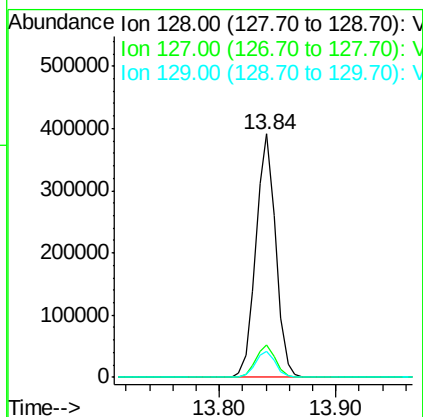
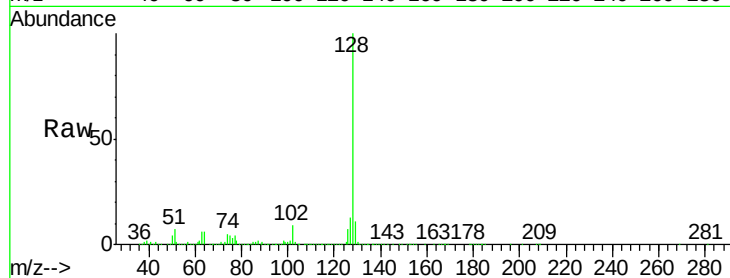
ClientSampleId :

VX0529MBS01

Tot Ion:	128	Resp:	464034
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/30/2018 1:51:00 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.15 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002106.D

Acq: 29 May 2018 21:06

Tgt Ion:	180	Resp:	142461
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.9	143.6
145	30.4	15.1	45.3

