

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121118\
 Data File : VX006417.D
 Acq On : 11 Dec 2018 13:44
 Operator : JC/MD
 Sample : VX1211MBS01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1211MBS01

Manual Integrations
 APPROVED

MMDadoda
 12/12/2018 10:39:57 AM

Quant Time: Dec 12 04:51:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	697072	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1020613	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	916927	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	486720	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	349454	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
35) Dibromofluoromethane	5.50	113	336735	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
50) Toluene-d8	8.71	98	1223683	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
62) 4-Bromofluorobenzene	11.14	95	461756	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	131643	19.287	ug/l	98
3) Chloromethane	1.33	50	130265	18.572	ug/l	98
4) Vinyl Chloride	1.41	62	144046	19.082	ug/l	96
5) Bromomethane	1.64	94	118162	22.586	ug/l	100
6) Chloroethane	1.72	64	94540	20.426	ug/l	100
7) Trichlorofluoromethane	1.93	101	226027	19.506	ug/l	98
8) Diethyl Ether	2.19	74	88657	20.216	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	131044	19.889	ug/l	97
10) Methyl Iodide	2.51	142	192674	19.404	ug/l	99
11) Tert butyl alcohol	3.07	59	193064	99.208	ug/l	100
12) 1,1-Dichloroethene	2.38	96	120326	19.077	ug/l	93
13) Acrolein	2.29	56	102835	96.682	ug/l	100
14) Allyl chloride	2.73	41	218859	17.565	ug/l	96
15) Acrylonitrile	3.15	53	395022	97.273	ug/l	100
16) Acetone	2.45	43	349698	104.716	ug/l	97
17) Carbon Disulfide	2.57	76	301501	15.512	ug/l	98
18) Methyl Acetate	2.78	43	233086	20.871	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	450121	20.004	ug/l	99
20) Methylene Chloride	2.86	84	139238	19.591	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	128759	19.156	ug/l	94
22) Diisopropyl ether	3.87	45	383775	19.719	ug/l	99
23) Vinyl Acetate	3.82	43	1556755	93.784	ug/l	98
24) 1,1-Dichloroethane	3.70	63	216893	19.498	ug/l	98
25) 2-Butanone	4.70	43	478755	100.474	ug/l	98
26) 2,2-Dichloropropane	4.59	77	179972	17.531	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	151594	20.219	ug/l	98
28) Bromochloromethane	5.02	49	95809	19.718	ug/l	98
29) Tetrahydrofuran	5.16	42	315623	95.307	ug/l	98
30) Chloroform	5.21	83	231460	19.800	ug/l	96
31) Cyclohexane	5.58	56	186027	18.096	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	208212	18.720	ug/l	100
36) 1,1-Dichloropropene	5.80	75	163194	18.988	ug/l	99
37) Ethyl Acetate	4.85	43	179539	18.654	ug/l	97
38) Carbon Tetrachloride	5.79	117	180516	17.854	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	210961	18.910	ug/l	98
40) Benzene	6.14	78	518085	20.126	ug/l	97
41) Methacrylonitrile	5.06	41	100364	18.951	ug/l	98
42) 1,2-Dichloroethane	6.20	62	168633	20.016	ug/l	97
43) Isopropyl Acetate	6.46	43	298037	18.572	ug/l	98
44) Trichloroethene	7.21	130	153669	19.706	ug/l	98
45) 1,2-Dichloropropane	7.52	63	128577	19.653	ug/l	100
46) Dibromomethane	7.66	93	91874	19.444	ug/l	99
47) Bromodichloromethane	7.90	83	162617	17.772	ug/l	99
48) Methyl methacrylate	7.77	41	148957	19.080	ug/l	97
49) 1,4-Dioxane	7.75	88	78652	408.769	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	929237	99.470	ug/l	98
52) Toluene	8.79	92	335917	19.835	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	182347	17.040	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	200255	18.022	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	143548	20.864	ug/l	99
56) Ethyl methacrylate	9.18	69	211535	19.667	ug/l	98
57) 1,3-Dichloropropane	9.37	76	223716	20.563	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	517996	94.905	ug/l	99
59) 2-Hexanone	9.49	43	708506	99.269	ug/l	99
60) Dibromochloromethane	9.59	129	146591	17.279	ug/l	100
61) 1,2-Dibromoethane	9.67	107	155973	20.275	ug/l	97
64) Tetrachloroethene	9.34	164	144555	20.934	ug/l	96
65) Chlorobenzene	10.14	112	398849	20.491	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	144116	19.056	ug/l	100
67) Ethyl Benzene	10.25	91	649423	20.061	ug/l	99
68) m/p-Xylenes	10.36	106	525130	40.495	ug/l	99
69) o-Xylene	10.70	106	262028	20.457	ug/l	99
70) Styrene	10.71	104	416727	20.115	ug/l	99
71) Bromoform	10.86	173	112186	15.715	ug/l #	100
73) Isopropylbenzene	11.02	105	691985	20.587	ug/l	100
74) N-amyl acetate	10.90	43	269284	18.604	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	214870	19.982	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	199338m	21.219	ug/l	
77) Bromobenzene	11.26	156	191077	20.484	ug/l	99
78) n-propylbenzene	11.36	91	747349	20.002	ug/l	100
79) 2-Chlorotoluene	11.42	91	450250	20.275	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	564897	20.199	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	60801	15.188	ug/l	86
82) 4-Chlorotoluene	11.51	91	517366	20.038	ug/l	100
83) tert-Butylbenzene	11.77	119	599267	20.083	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	602818	20.875	ug/l	99
85) sec-Butylbenzene	11.94	105	692335	20.395	ug/l	100
86) p-Isopropyltoluene	12.06	119	627154	20.517	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	340647	20.524	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	342796	20.348	ug/l	99
89) n-Butylbenzene	12.39	91	505216	19.371	ug/l	99
90) Hexachloroethane	12.60	117	102405	16.438	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	338192	20.530	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	45763	16.602	ug/l	99

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ClientSampleId :
VX1211MBS01

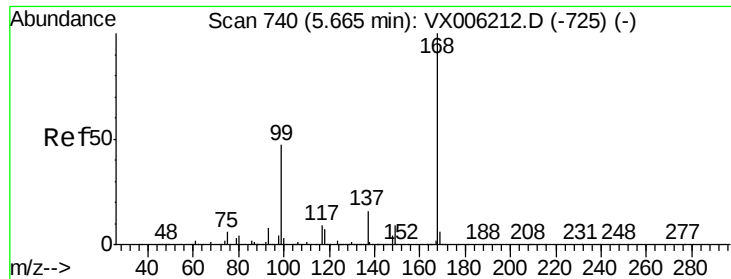
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	238270	19.826	ug/l	99
94) Hexachlorobutadiene	13.78	225	110392	20.771	ug/l	100
95) Naphthalene	13.83	128	753408	20.154	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	240946	20.242	ug/l	99

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



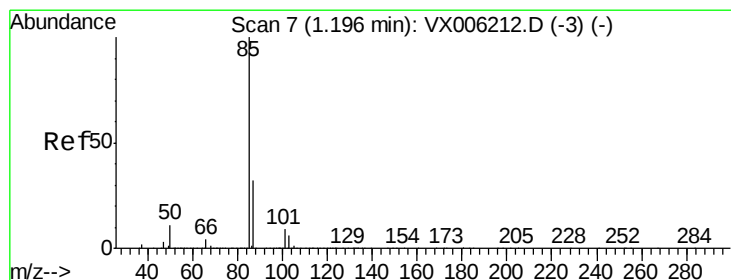
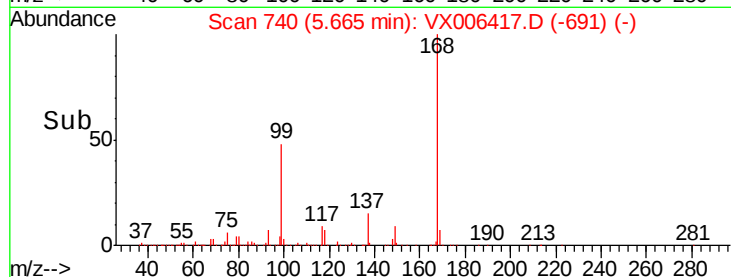
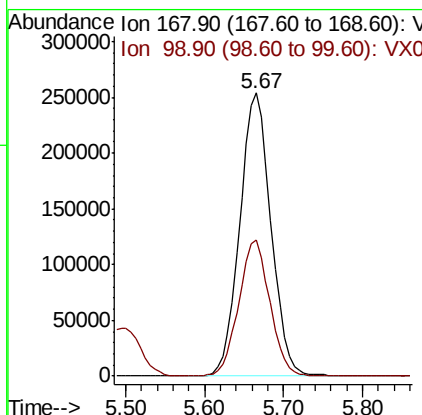
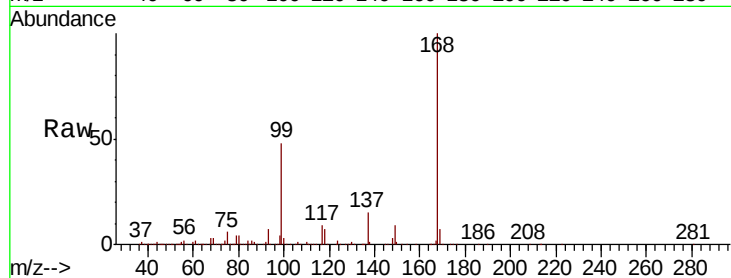
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.00 min
Lab File: VX006417.D
Acq: 11 Dec 2018 13:44

Instrument :
MSVOA_X
ClientSampleId :
VX1211MBS01

Tot Ion	Ratio	Lower	Upper
168	100		
99	47.8	37.8	56.8

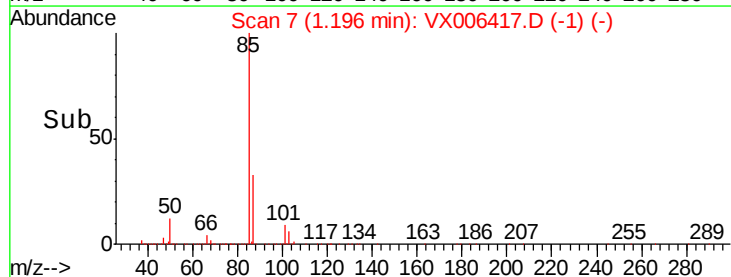
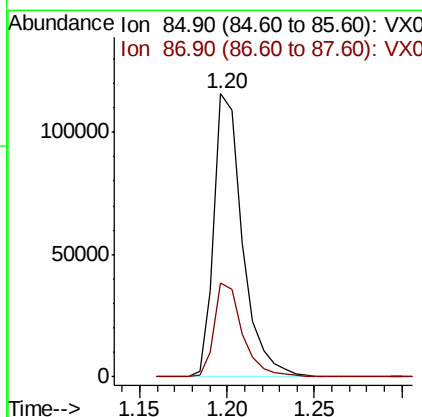
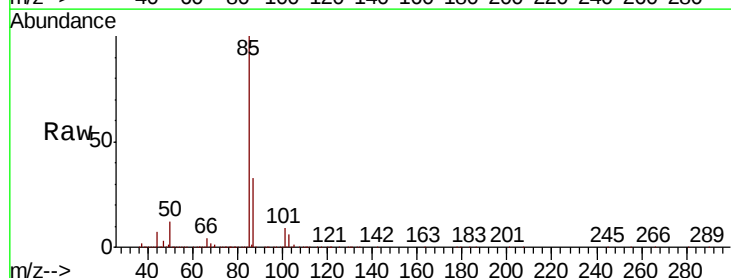
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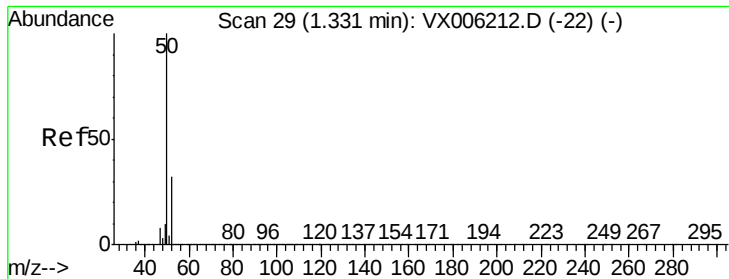
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#2
Dichlorodifluoromethane
Concen: 19.287 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX006417.D
Acq: 11 Dec 2018 13:44

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.3	16.1	48.2





#3

Chloromethane

Concen: 18.572 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX006417.D

Acq: 11 Dec 2018 13:44

Instrument :

MSVOA_X

ClientSampleId :

VX1211MBS01

Tot Ion: 50 Resp: 130265

Ion Ratio Lower Upper

50 100

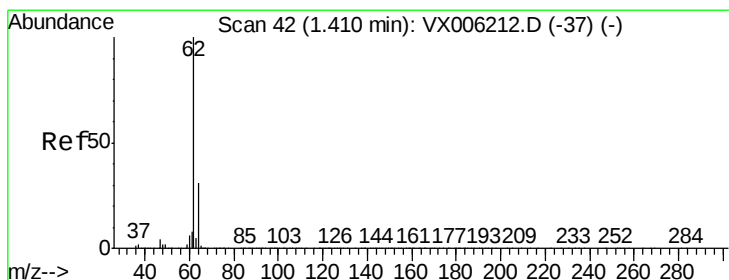
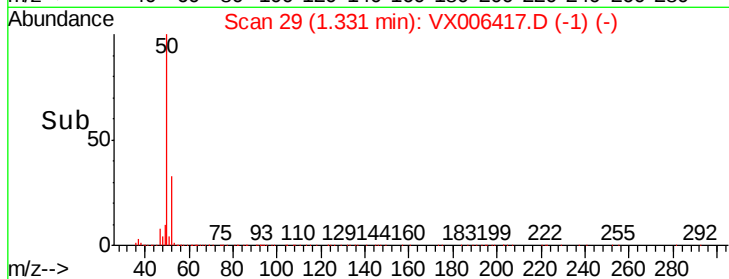
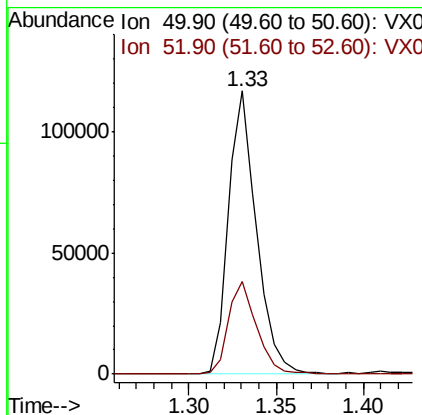
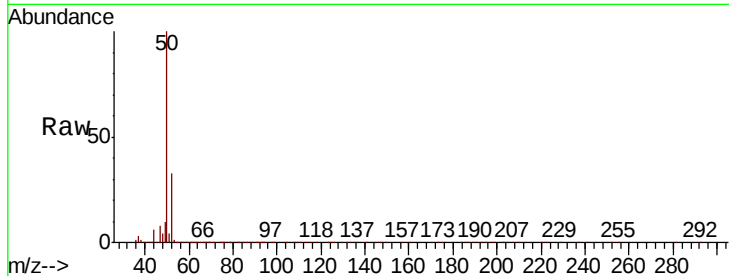
52 32.5 25.2 37.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.082 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006417.D

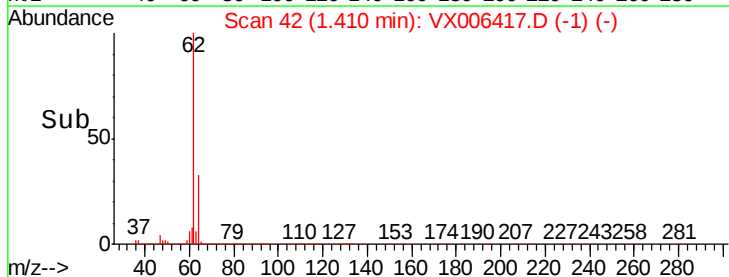
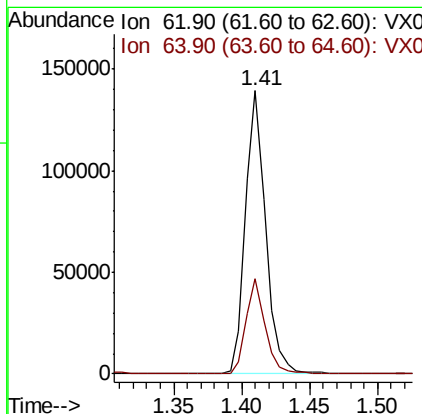
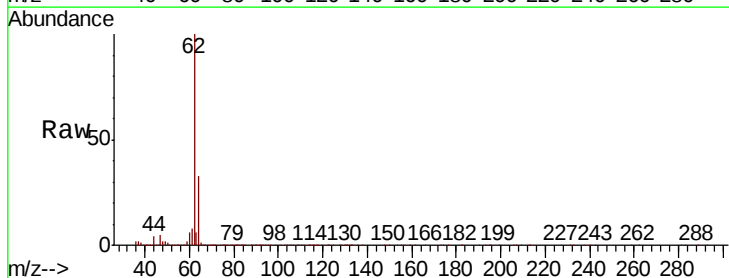
Acq: 11 Dec 2018 13:44

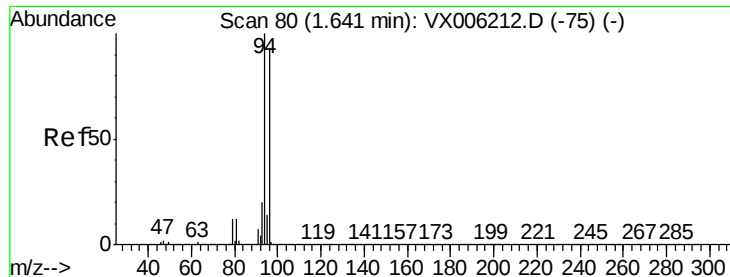
Tgt Ion: 62 Resp: 144046

Ion Ratio Lower Upper

62 100

64 33.4 24.9 37.3





#5

Bromomethane

Concen: 22.586 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006417.D

Acq: 11 Dec 2018 13:44

Instrument :

MSVOA_X

ClientSampleId :

VX1211MBS01

Tot Ion: 94 Resp: 118162

Ion Ratio Lower Upper

94 100

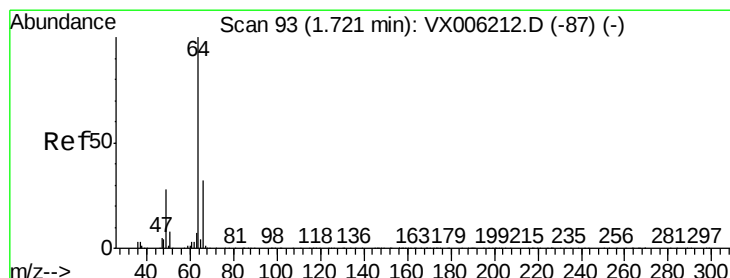
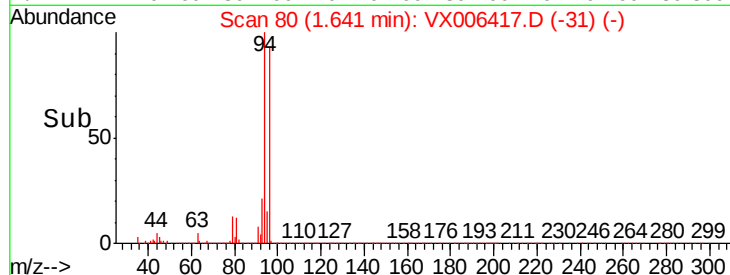
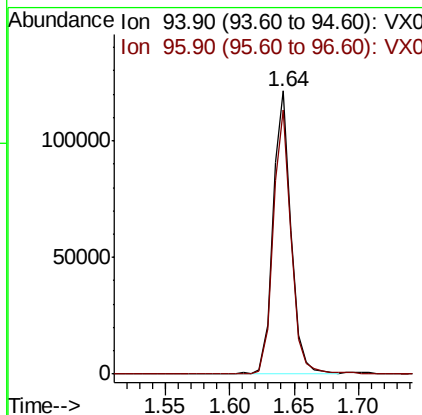
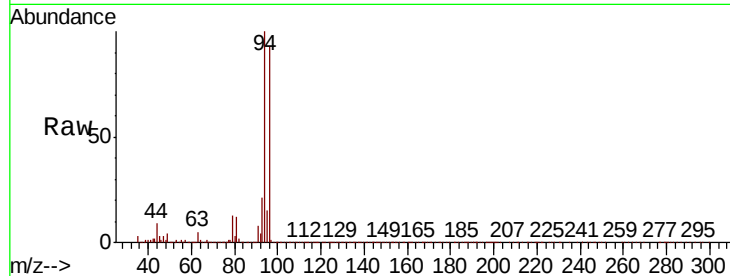
96 93.3 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 20.426 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX006417.D

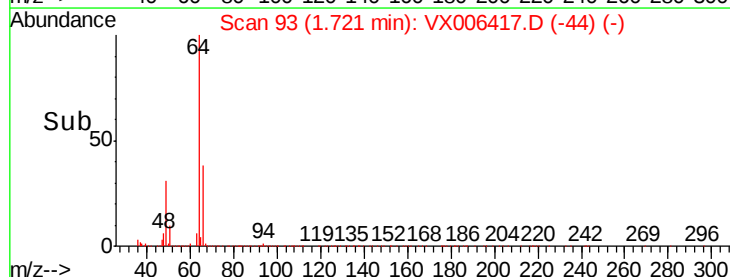
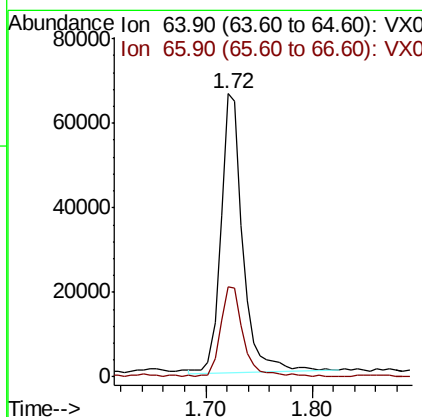
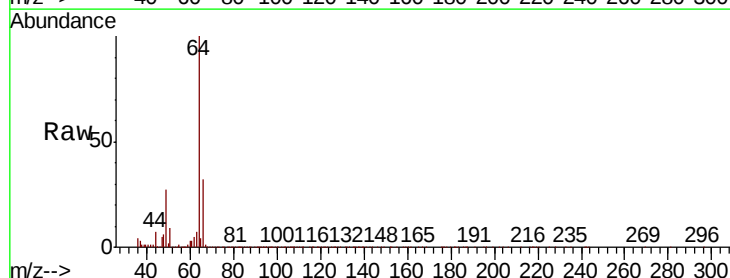
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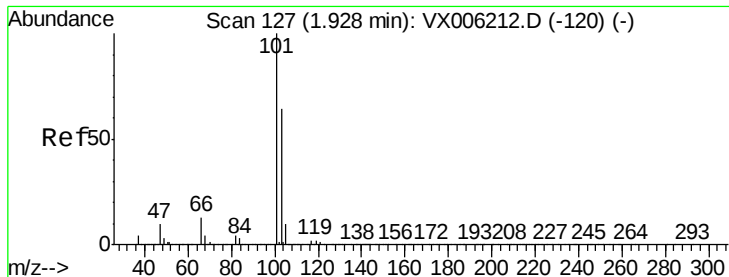
Tgt Ion: 64 Resp: 94540

Ion Ratio Lower Upper

64 100

66 32.2 25.9 38.9





#7

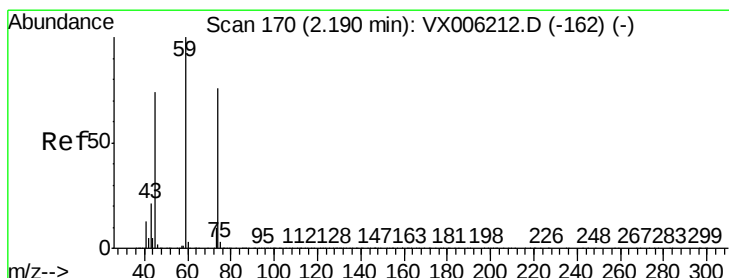
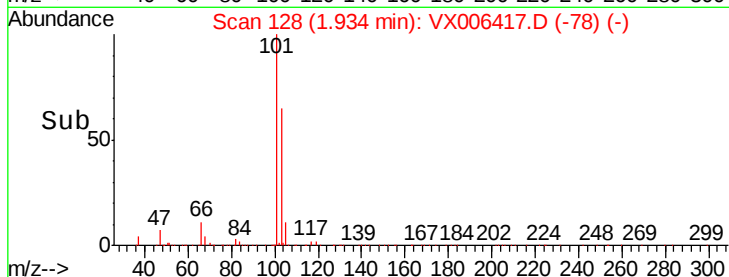
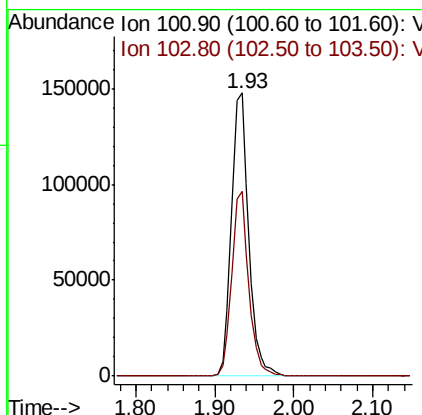
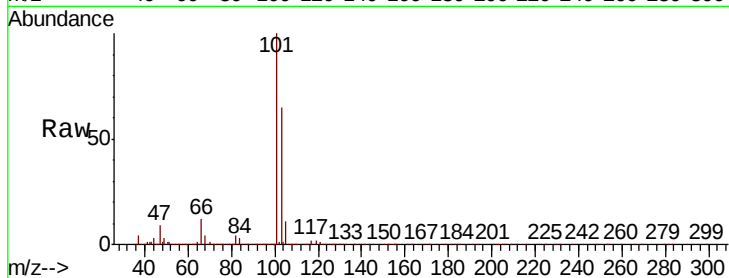
Trichlorofluoromethane
Concen: 19.506 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX006417.D
Acq: 11 Dec 2018 13:44

Instrument :
MSVOA_X
ClientSampleId :
VX1211MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.0	76.4

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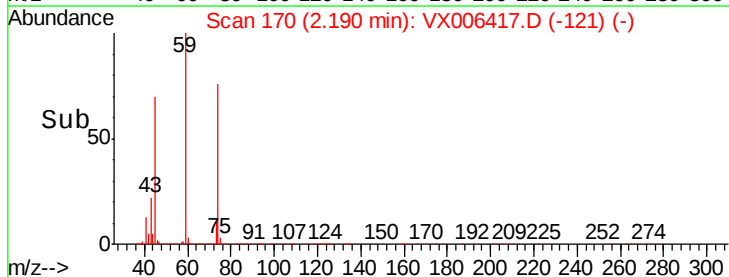
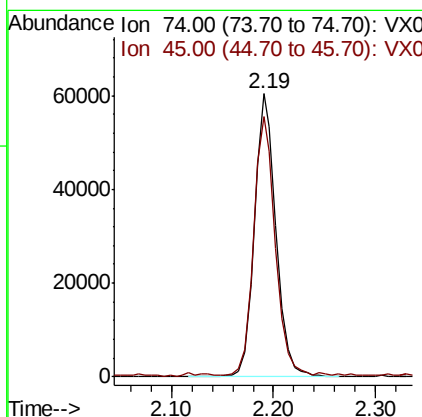
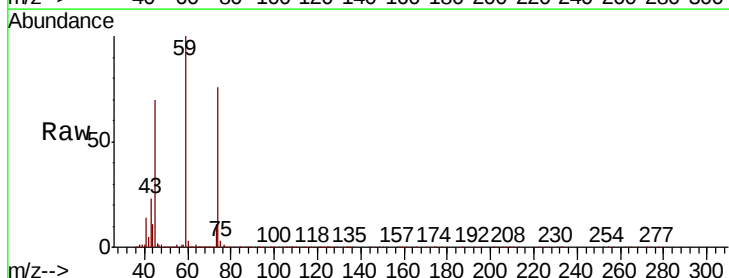
MMDadoda
12/12/2018 10:39:57 AM

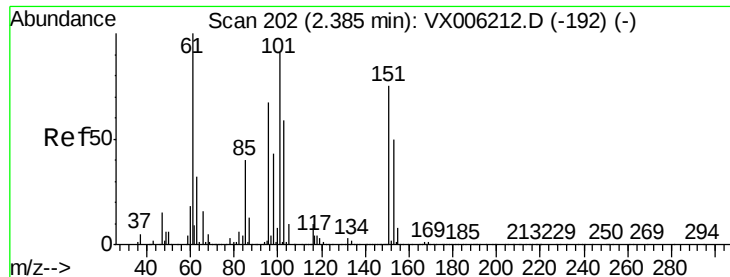


#8

Diethyl Ether
Concen: 20.216 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006417.D
Acq: 11 Dec 2018 13:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.9	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.889 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX006417.D

Acq: 11 Dec 2018 13:44

Instrument :

MSVOA_X

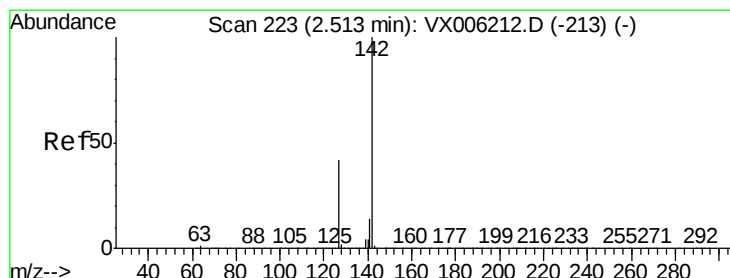
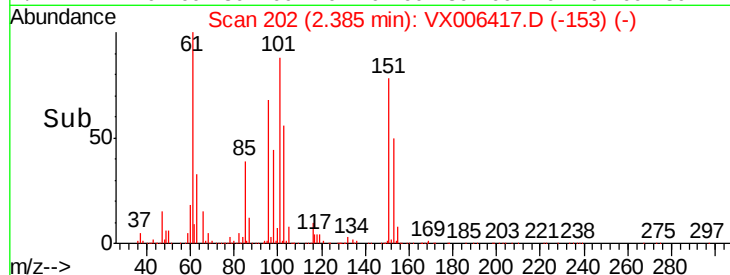
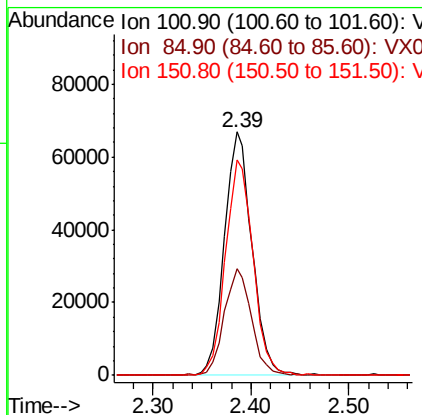
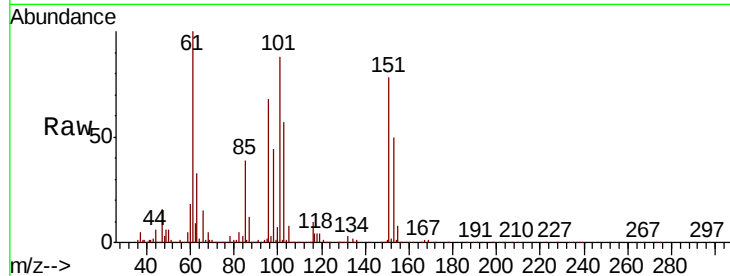
ClientSampleId :

VX1211MBS01

Tot Ion:	101	Resp:	131044
Ion Ratio	Lower	Upper	
101	100		
85	42.6	35.5	53.3
151	88.2	68.6	103.0

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#10

Methyl Iodide

Concen: 19.404 ug/l

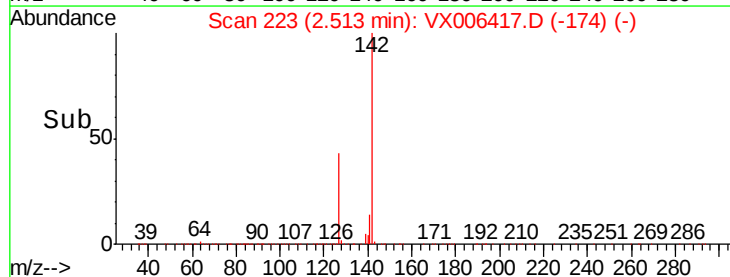
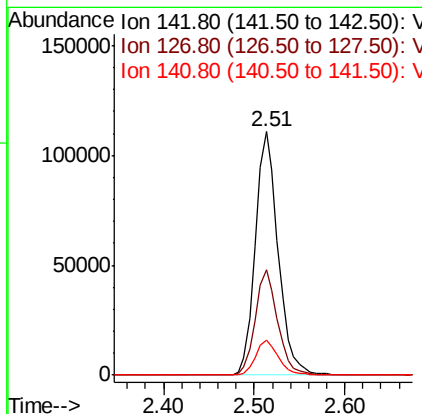
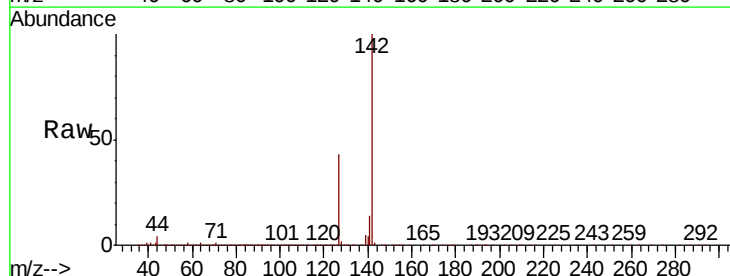
RT: 2.51 min Scan# 223

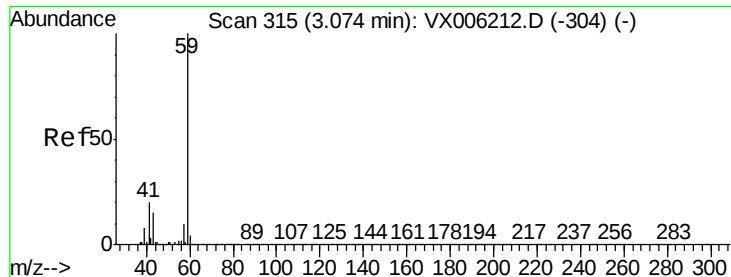
Delta R.T. 0.00 min

Lab File: VX006417.D

Acq: 11 Dec 2018 13:44

Tgt Ion:	142	Resp:	192674
Ion Ratio	Lower	Upper	
142	100		
127	42.4	34.8	52.2
141	13.9	11.4	17.2





#11

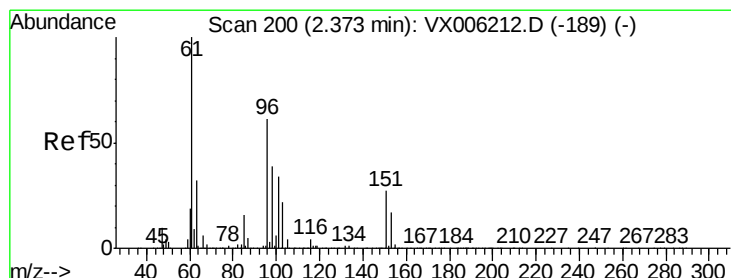
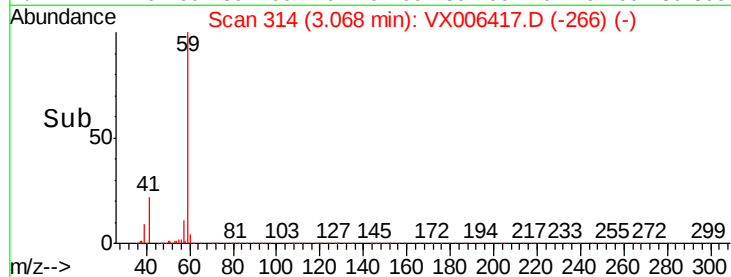
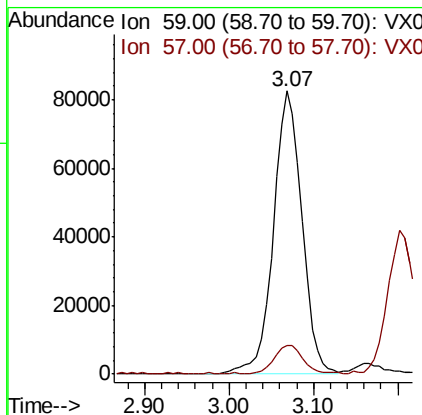
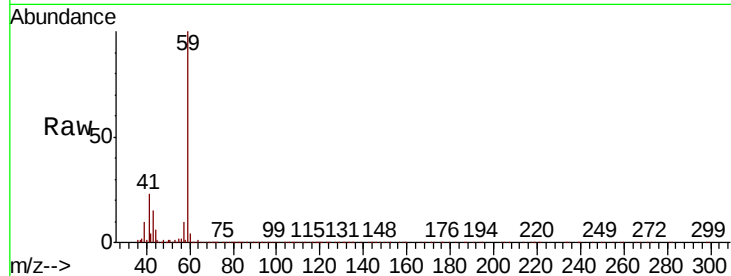
Tert butyl alcohol
Concen: 99.208 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX006417.D
Acq: 11 Dec 2018 13:44

Instrument :
MSVOA_X
ClientSampleId :
VX1211MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.2

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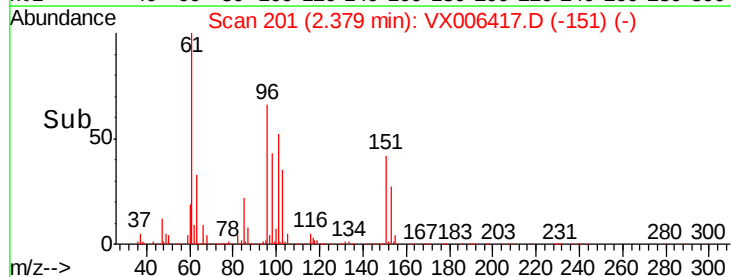
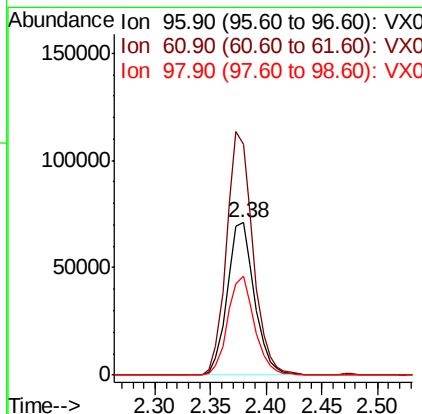
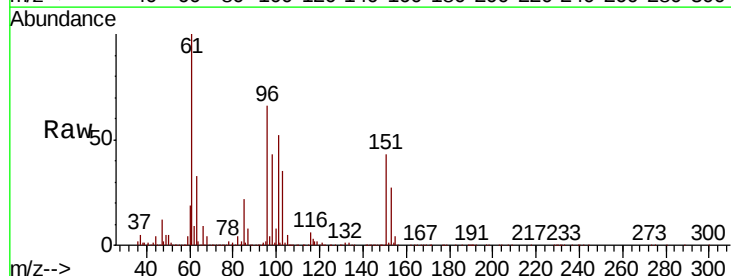
MMDadoda
12/12/2018 10:39:57 AM

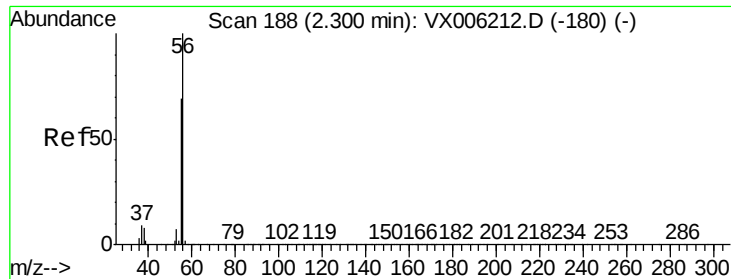


#12

1,1-Dichloroethene
Concen: 19.077 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX006417.D
Acq: 11 Dec 2018 13:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.5	131.7	197.5
98	65.1	51.8	77.6





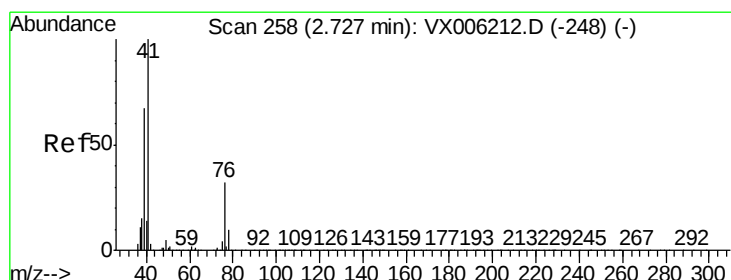
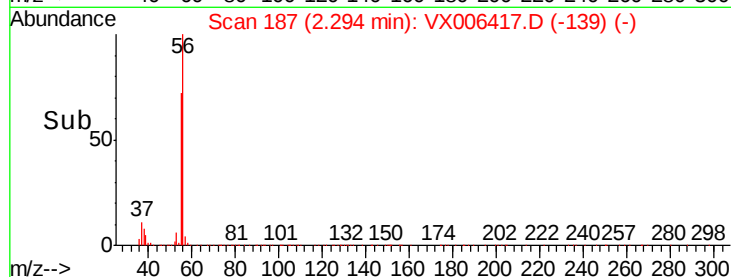
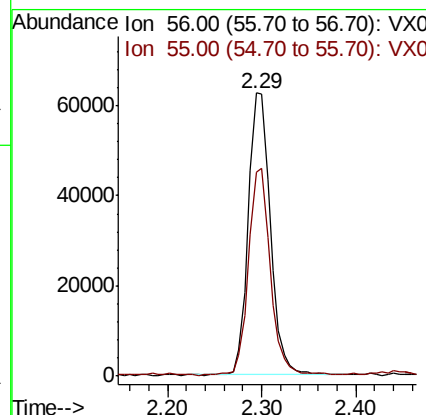
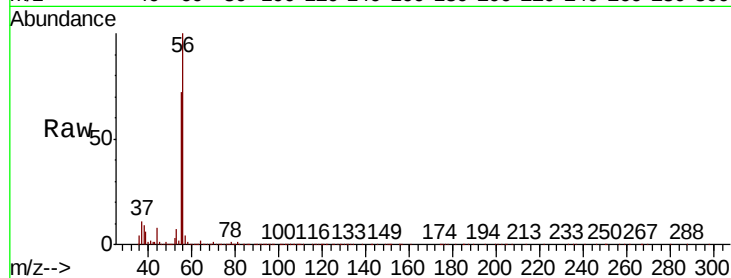
#13
Acrolein
Concen: 96.682 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.01 min
Lab File: VX006417.D
Acq: 11 Dec 2018 13:44

Instrument :
MSVOA_X
ClientSampleId :
VX1211MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.5	57.8	86.6

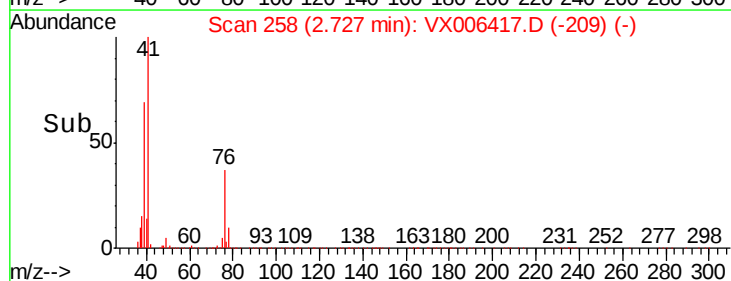
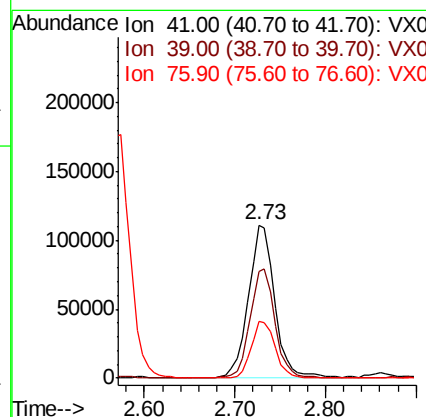
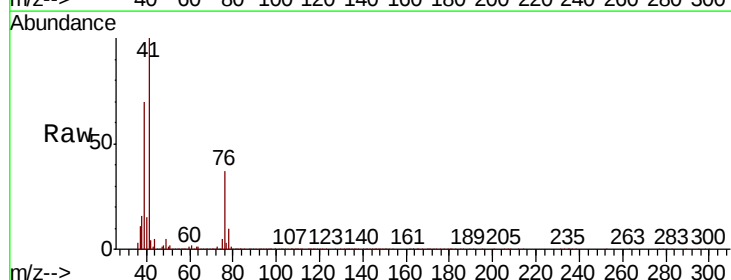
Manual Integrations
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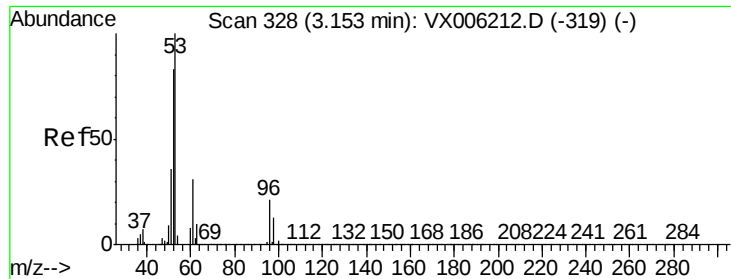
MMDadoda
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#14
Allyl chloride
Concen: 17.565 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX006417.D
Acq: 11 Dec 2018 13:44

Tgt Ion	Ratio	Lower	Upper
41	100		
39	68.0	52.4	78.6
76	34.6	25.4	38.0





#15

Acrylonitrile

Concen: 97.273 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX006417.D

Acq: 11 Dec 2018 13:44

Instrument :

MSVOA_X

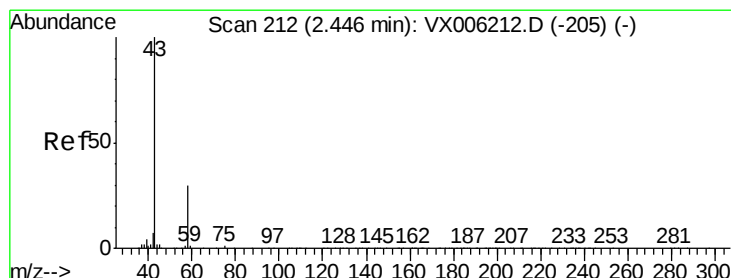
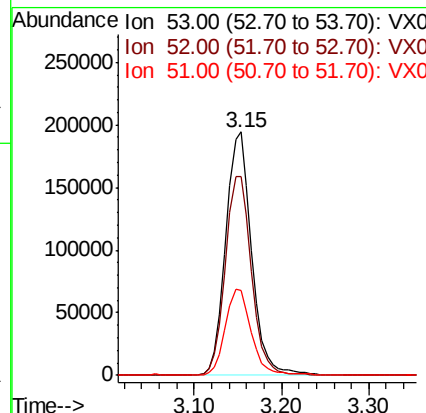
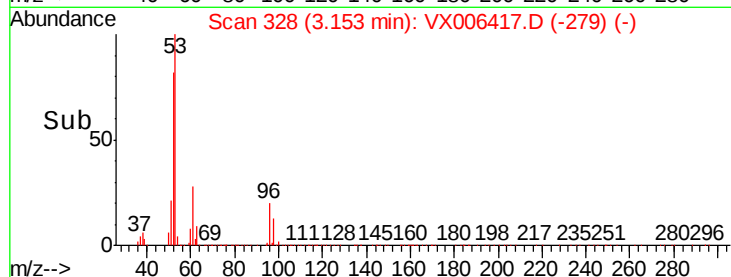
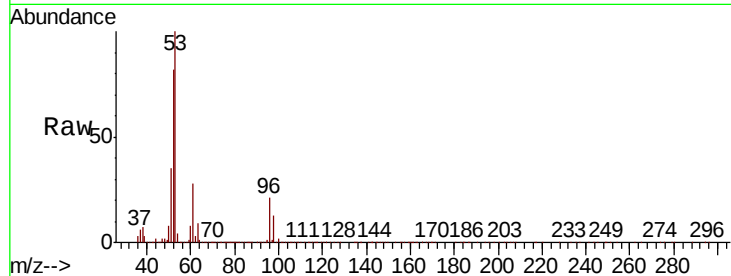
ClientSampleId :

VX1211MBS01

Tot Ion	Ion	Ratio	Lower	Upper
53	100			
52	83.1	66.2	99.4	
51	35.6	28.7	43.1	

Manual Integrations
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#16

Acetone

Concen: 104.716 ug/l

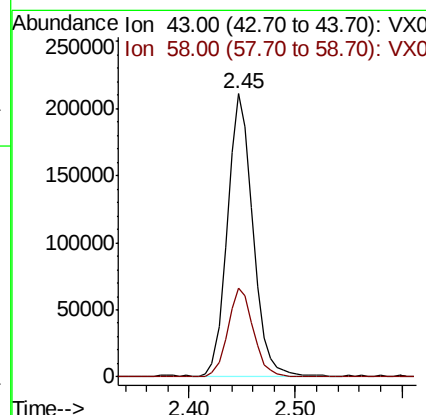
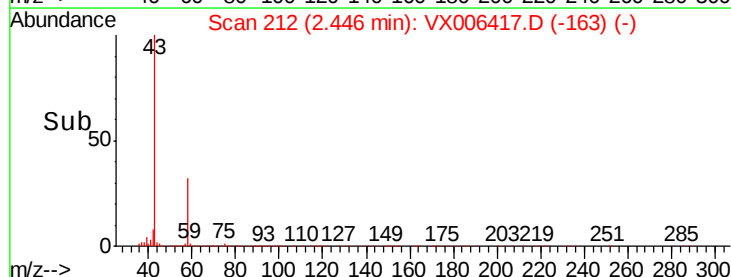
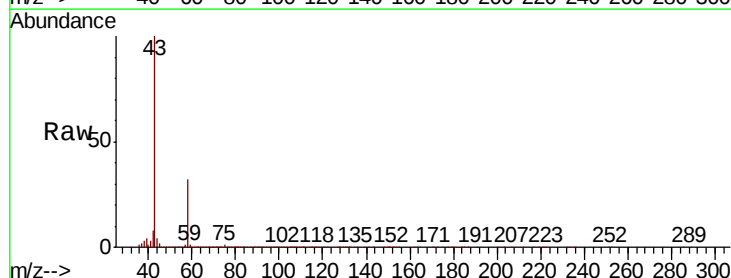
RT: 2.45 min Scan# 212

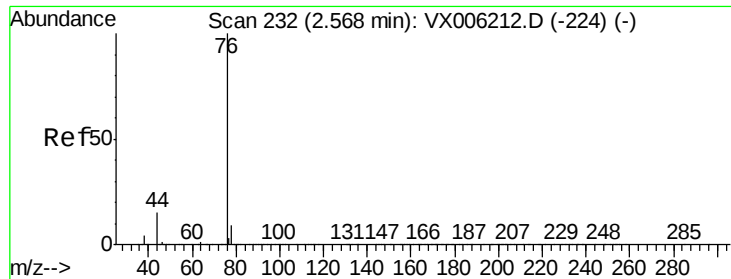
Delta R.T. 0.00 min

Lab File: VX006417.D

Acq: 11 Dec 2018 13:44

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
58	31.6	24.0	36.0	





#17

Carbon Disulfide

Concen: 15.512 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX006417.D

Acq: 11 Dec 2018 13:44

Instrument :

MSVOA_X

ClientSampleId :

VX1211MBS01

Tot Ion: 76 Resp: 301501

Ion Ratio Lower Upper

76 100

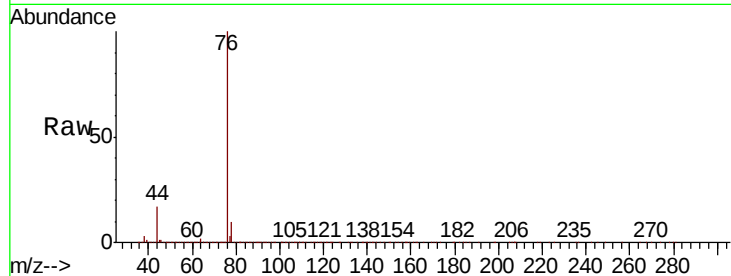
78 9.7 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX006417.D (-224) (-)

Ion 77.90 (77.60 to 78.60): VX006417.D (-224) (-)

2.57

200000

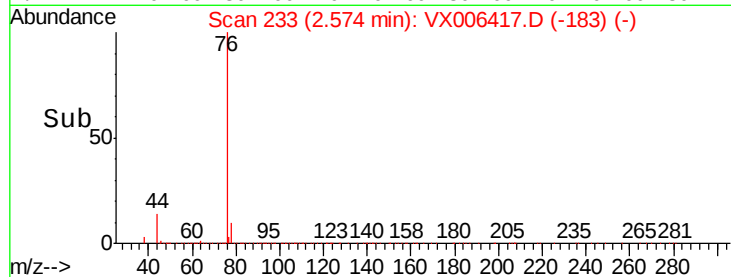
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 20.871 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX006417.D

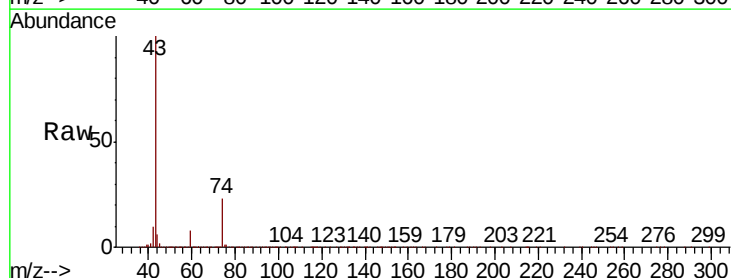
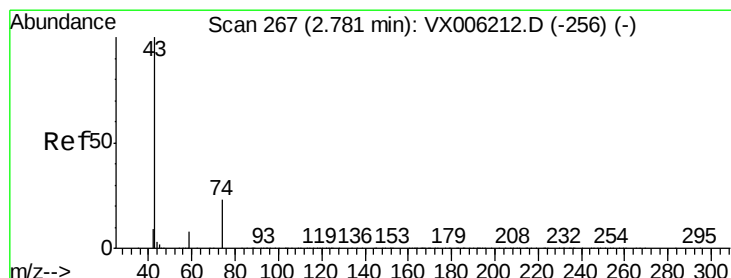
Acq: 11 Dec 2018 13:44

Tgt Ion: 43 Resp: 233086

Ion Ratio Lower Upper

43 100

74 23.2 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VX006417.D (-256) (-)

Ion 74.00 (73.70 to 74.70): VX006417.D (-256) (-)

2.78

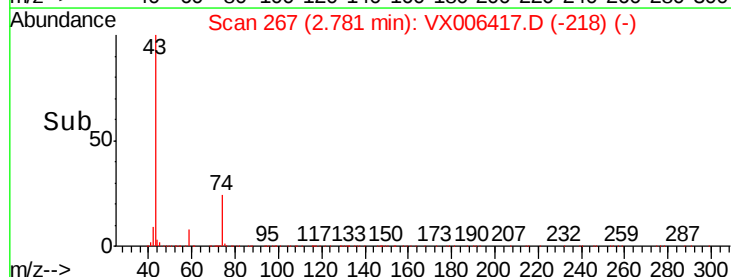
150000

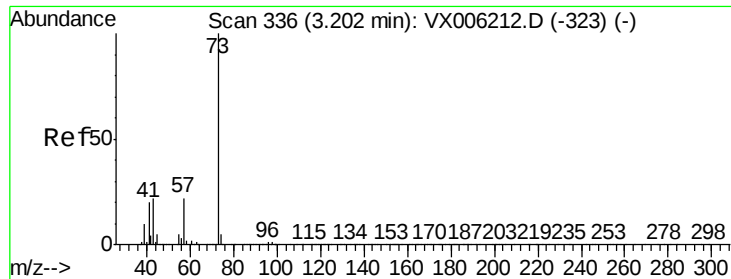
100000

50000

0

Time-->





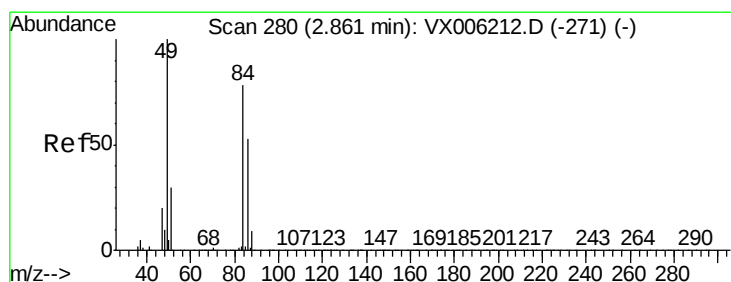
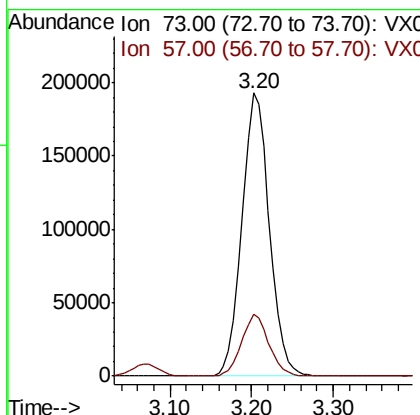
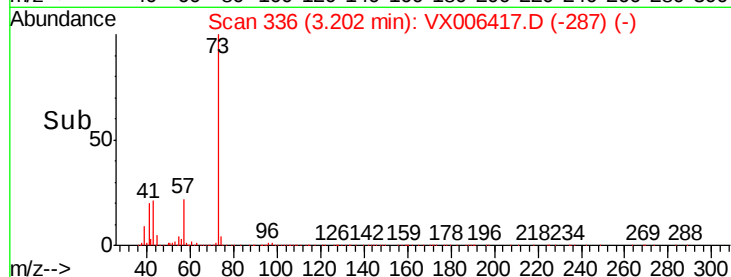
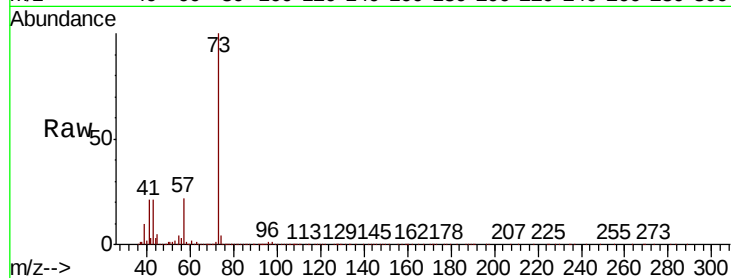
#19
Methvl tert-butvl Ether
Concen: 20.004 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX006417.D
Acq: 11 Dec 2018 13:44

Instrument :
MSVOA_X
ClientSampleId :
VX1211MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.5	26.3

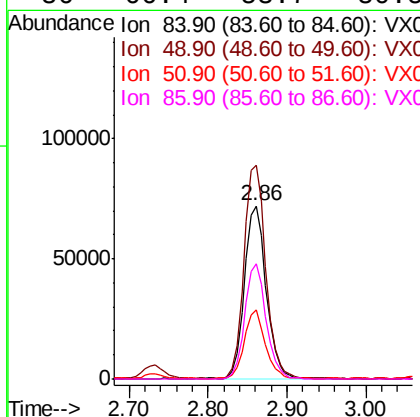
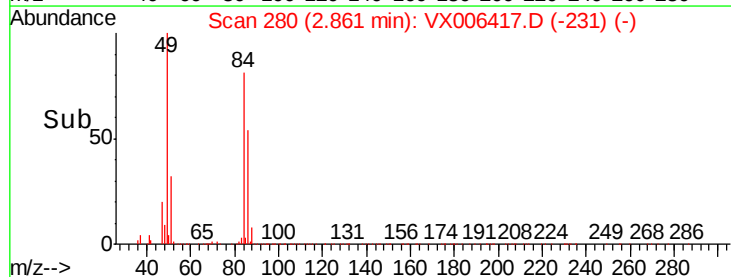
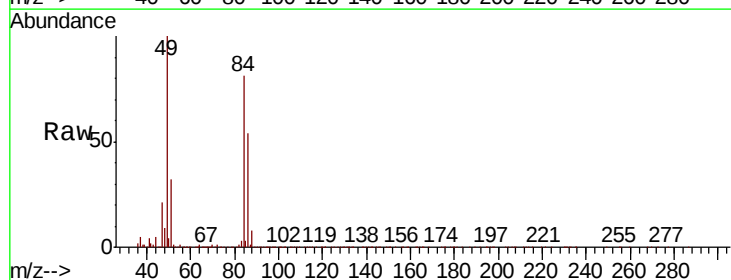
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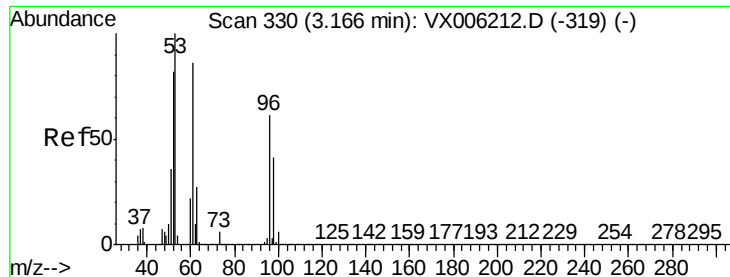
MMDadoda
12/12/2018 10:39:57 AM



#20
Methylene Chloride
Concen: 19.591 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX006417.D
Acq: 11 Dec 2018 13:44

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.2	102.2	153.4
51	39.3	31.1	46.7
86	66.4	53.7	80.5





#21

trans-1,2-Dichloroethene

Concen: 19.156 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX006417.D

Acq: 11 Dec 2018 13:44

Instrument :

MSVOA_X

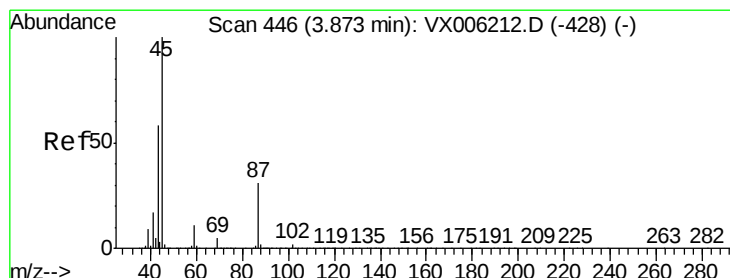
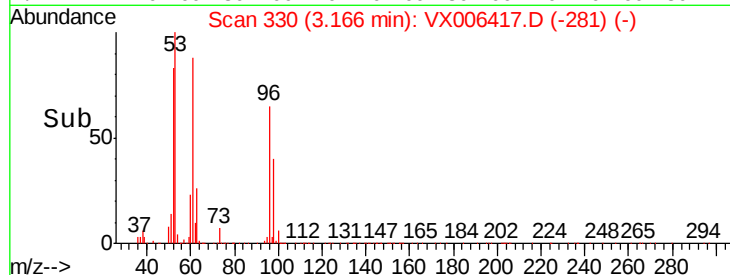
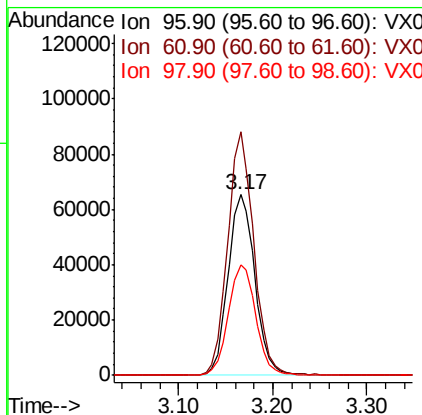
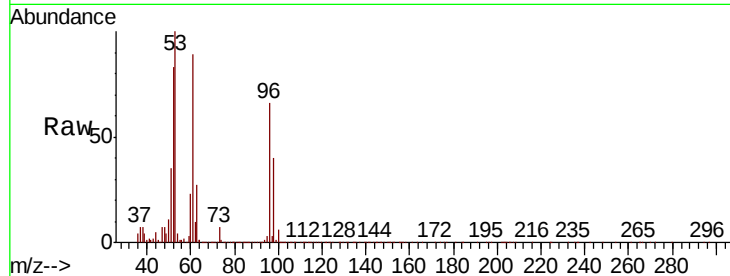
ClientSampleId :

VX1211MBS01

Tot Ion:	96	Resp:	128759
Ion	Ratio	Lower	Upper
96	100		
61	134.9	113.3	169.9
98	60.8	53.2	79.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.719 ug/l

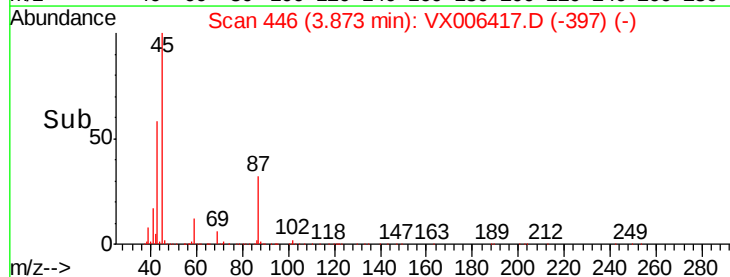
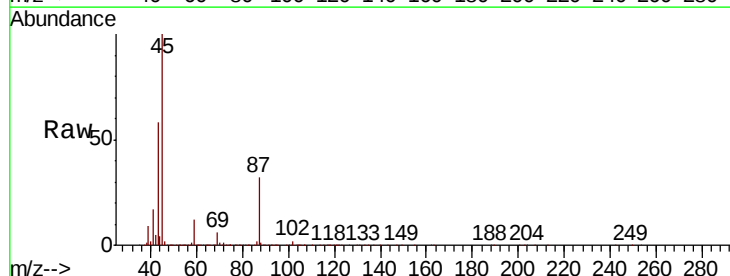
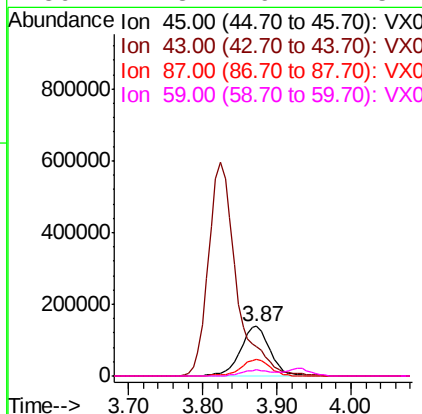
RT: 3.87 min Scan# 446

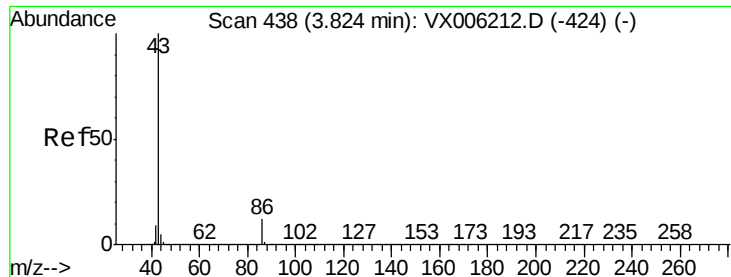
Delta R.T. -0.00 min

Lab File: VX006417.D

Acq: 11 Dec 2018 13:44

Tgt Ion:	45	Resp:	383775
Ion	Ratio	Lower	Upper
45	100		
43	57.2	46.2	69.2
87	32.3	24.9	37.3
59	12.3	9.1	13.7





#23

Vinyl Acetate

Concen: 93.784 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006417.D

Acq: 11 Dec 2018 13:44

Instrument :

MSVOA_X

ClientSampleId :

VX1211MBS01

Tot Ion: 43 Resp: 1556755

Ion Ratio Lower Upper

43 100

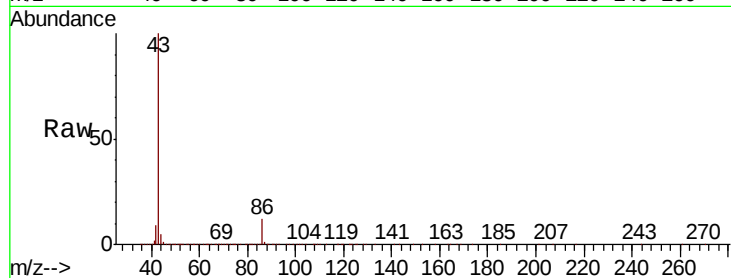
86 12.4 9.4 14.0

Manual Integrations

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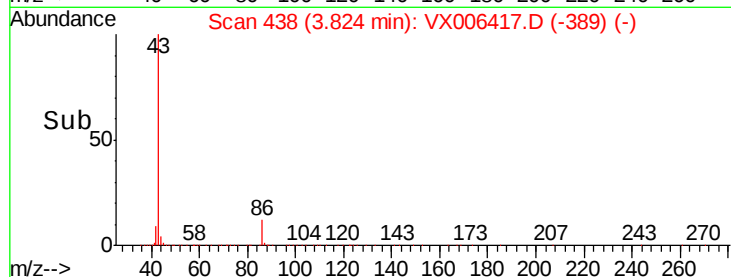
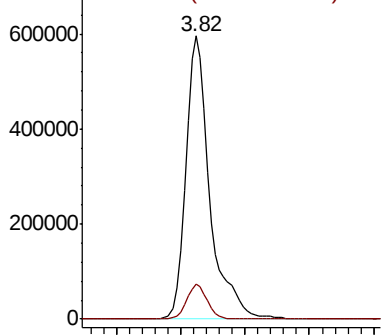
MMDadoda

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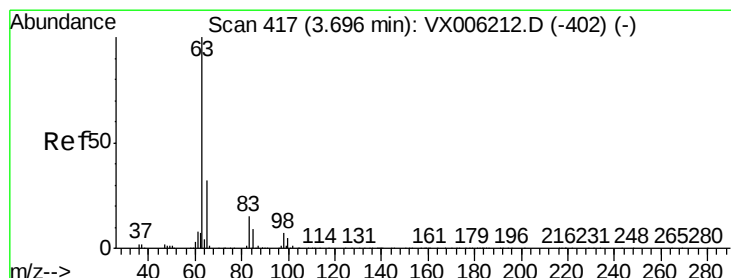


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time-->



#24

1,1-Dichloroethane

Concen: 19.498 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006417.D

Acq: 11 Dec 2018 13:44

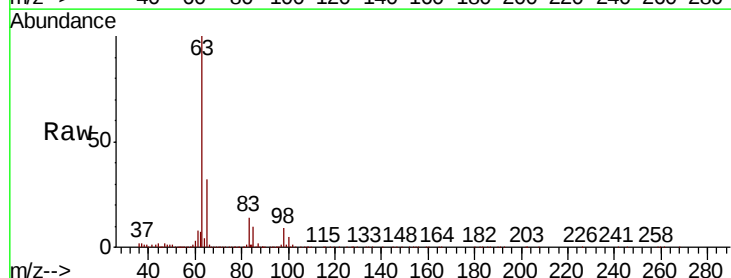
Tgt Ion: 63 Resp: 216893

Ion Ratio Lower Upper

63 100

98 8.6 3.8 11.4

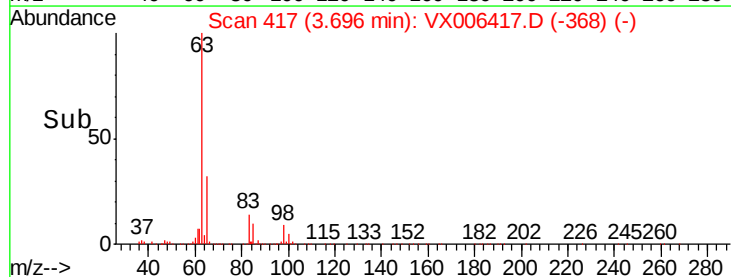
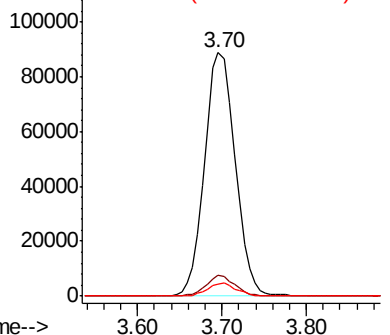
100 4.7 2.5 7.4



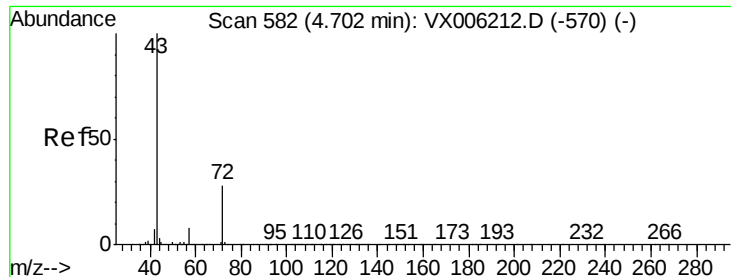
Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->



#25

2-Butanone

Concen: 100.474 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX006417.D

Acq: 11 Dec 2018 13:44

Tot Ion: 43 Resp: 478755

Ion Ratio Lower Upper

43 100

72 29.3 22.6 33.8

Instrument :

MSVOA_X

ClientSampleId :

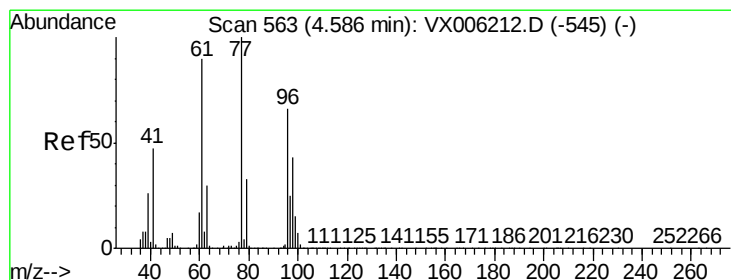
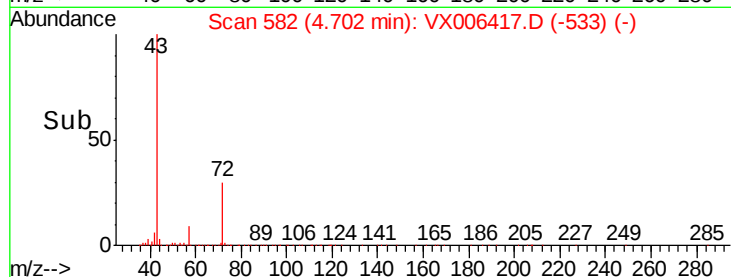
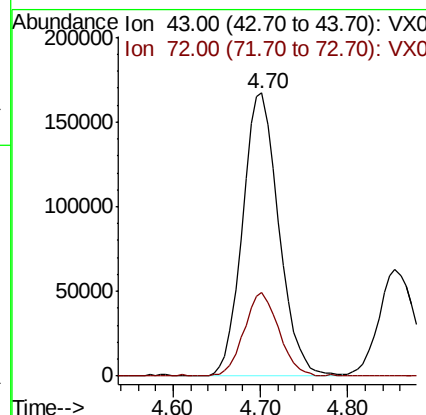
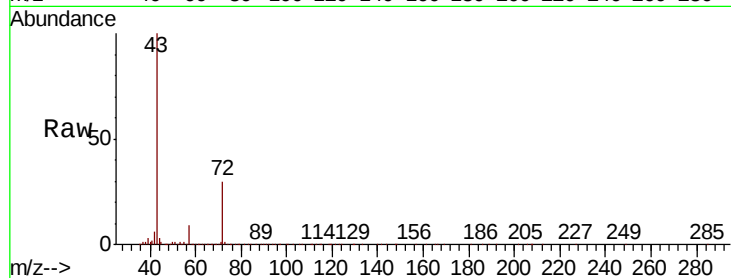
VX1211MBS01

Manual Integrations

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MMDadoda

12/12/2018 10:39:57 AM



#26

2,2-Dichloropropane

Concen: 17.531 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX006417.D

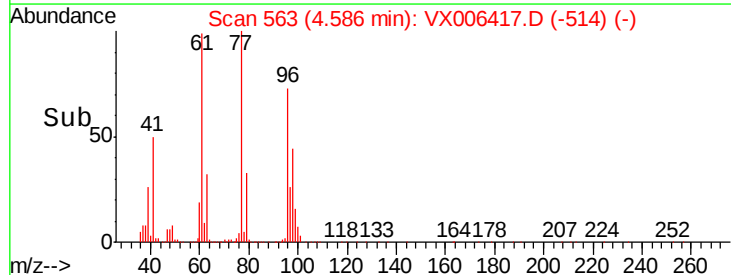
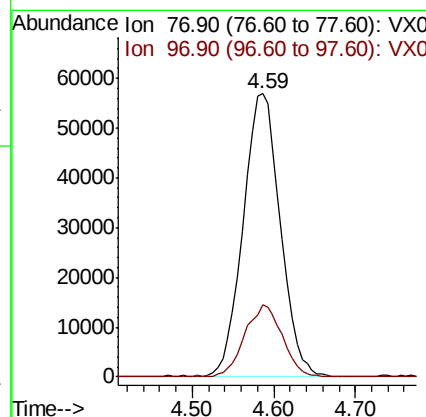
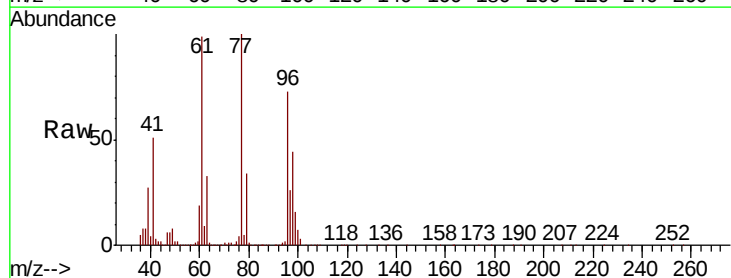
Acq: 11 Dec 2018 13:44

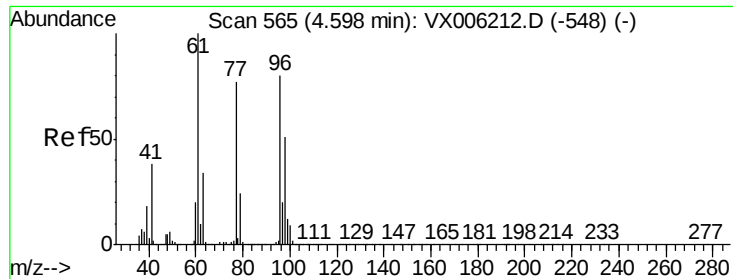
Tgt Ion: 77 Resp: 179972

Ion Ratio Lower Upper

77 100

97 25.9 12.3 36.8





#27

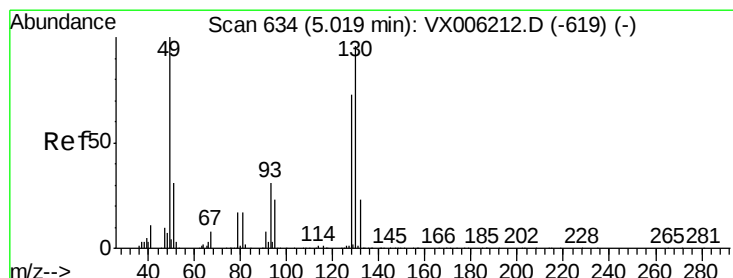
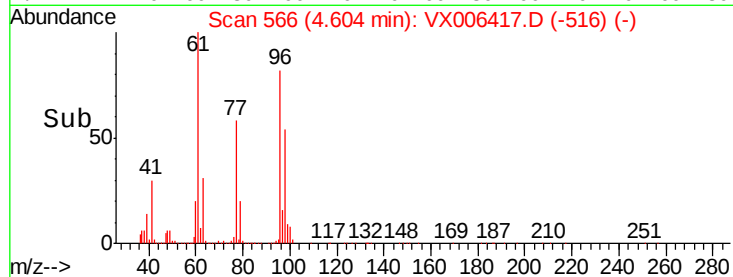
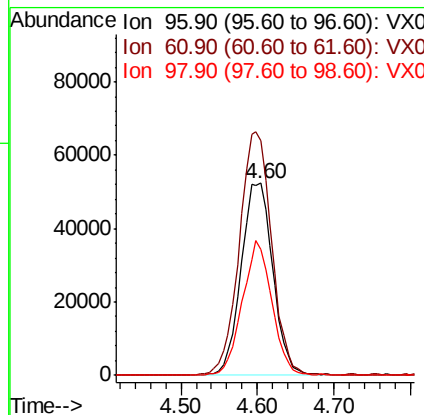
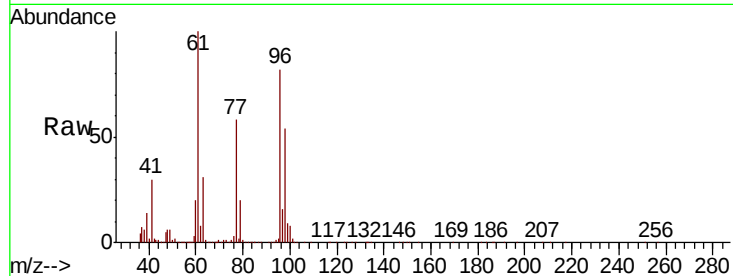
cis-1,2-Dichloroethene
Concen: 20.219 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX006417.D
Acq: 11 Dec 2018 13:44

Instrument :
MSVOA_X
ClientSampleId :
VX1211MBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	151594		
61	128.5	0.0	265.0	
98	65.2	0.0	130.2	

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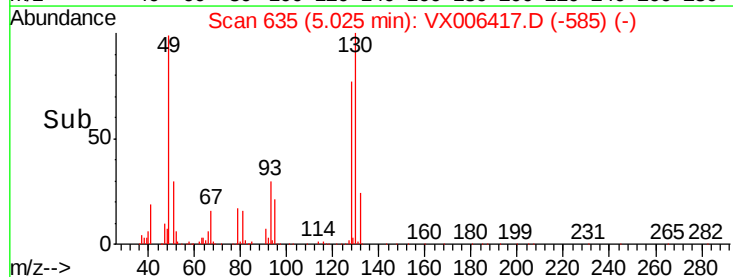
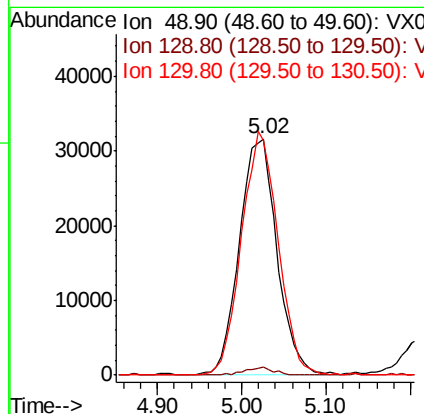
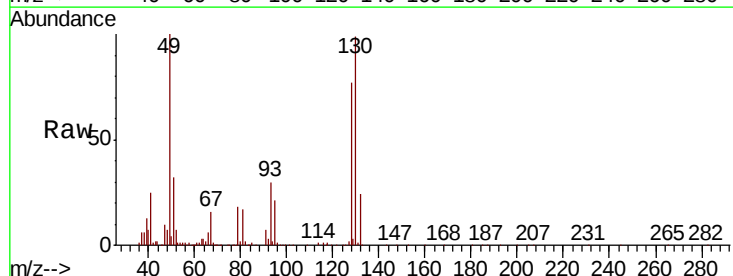
MMDadoda
12/12/2018 10:39:57 AM

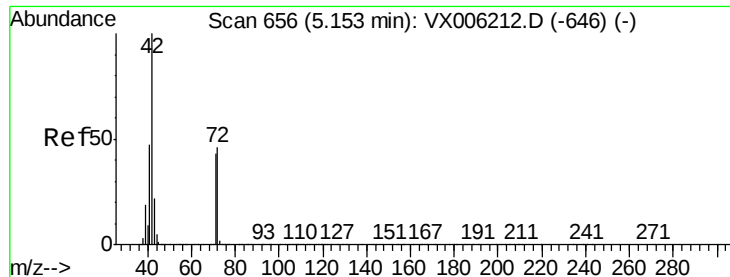


#28

Bromochloromethane
Concen: 19.718 ug/l
RT: 5.02 min Scan# 635
Delta R.T. 0.01 min
Lab File: VX006417.D
Acq: 11 Dec 2018 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	95809		
129	2.5	0.0	5.0	
130	100.0	78.3	117.5	





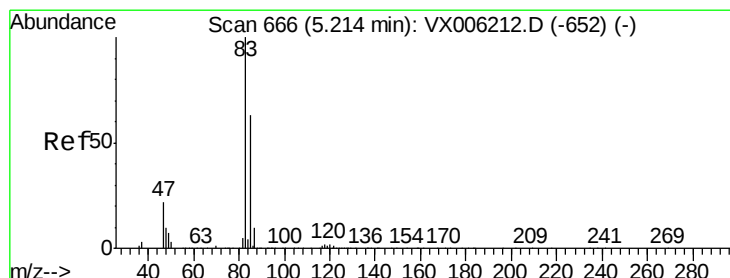
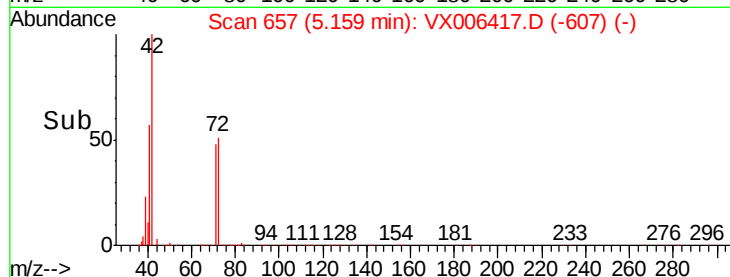
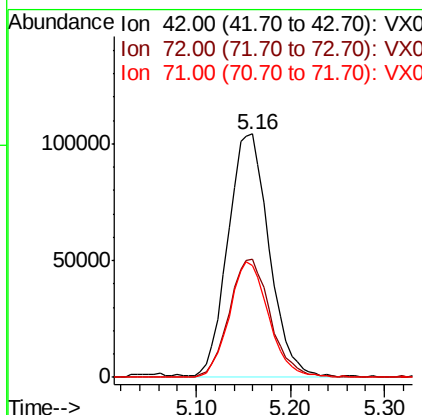
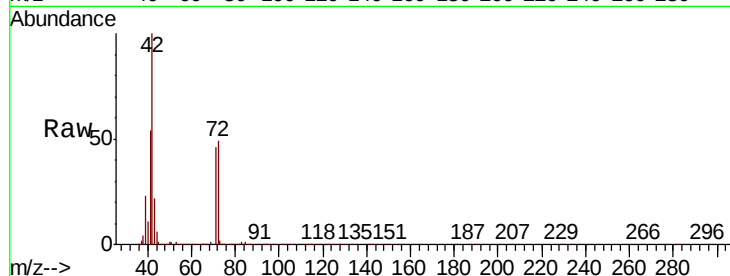
#29
Tetrahydrofuran
Concen: 95.307 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX006417.D
Acq: 11 Dec 2018 13:44

Instrument :
MSVOA_X
ClientSampleId :
VX1211MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.9	37.8	56.8
71	45.7	35.2	52.8

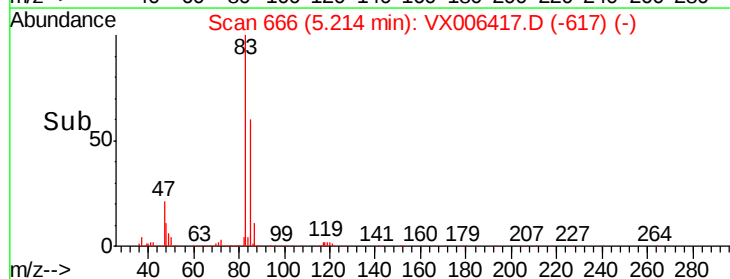
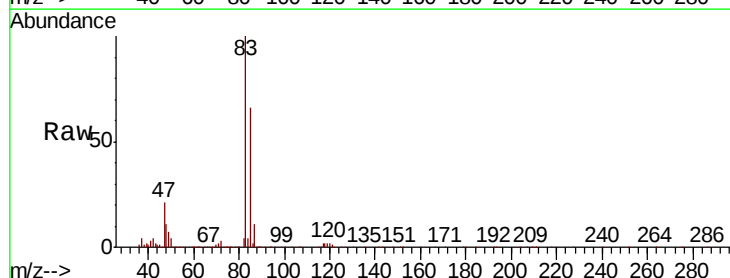
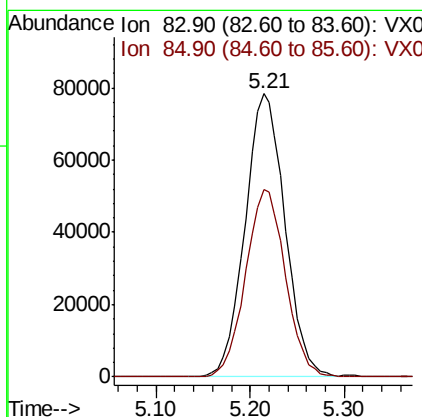
Manual Integrations
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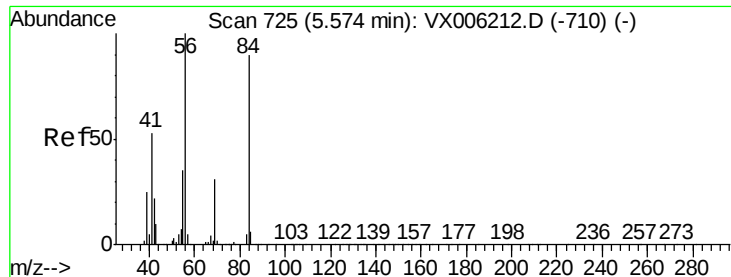
MMDadoda
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#30
Chloroform
Concen: 19.800 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX006417.D
Acq: 11 Dec 2018 13:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	50.3	75.5





#31

Cyclohexane

Concen: 18.096 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX006417.D

Acq: 11 Dec 2018 13:44

Instrument :

MSVOA_X

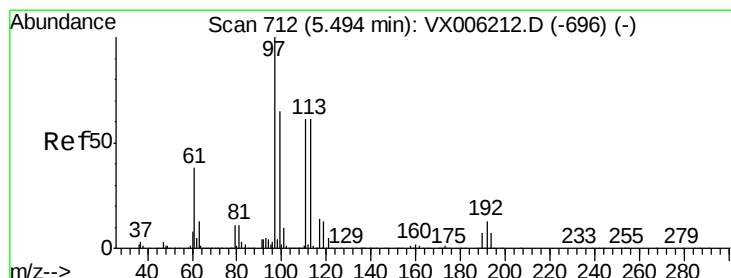
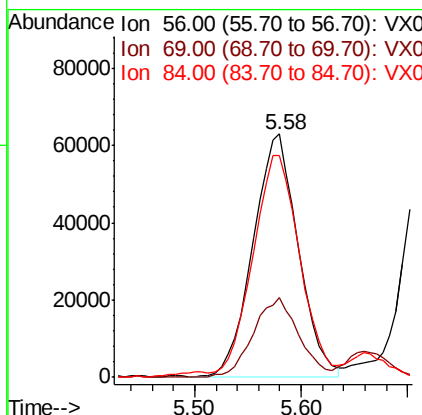
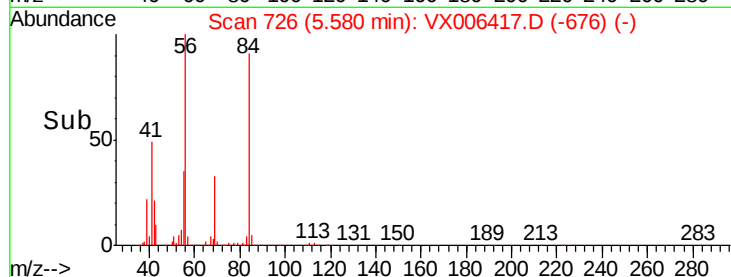
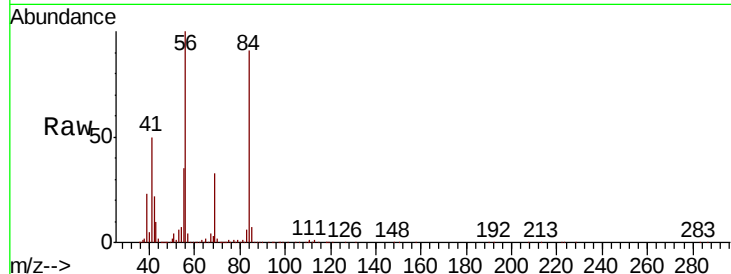
ClientSampleId :

VX1211MBS01

Tot Ion:	56	Resp:	186027
Ion Ratio	Lower	Upper	
56	100		
69	32.7	24.5	36.7
84	89.1	71.8	107.6

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#32

1,1,1-Trichloroethane

Concen: 18.720 ug/l

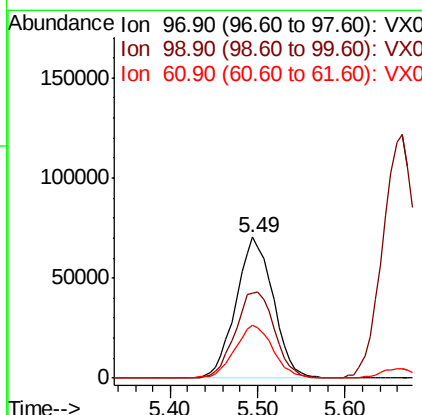
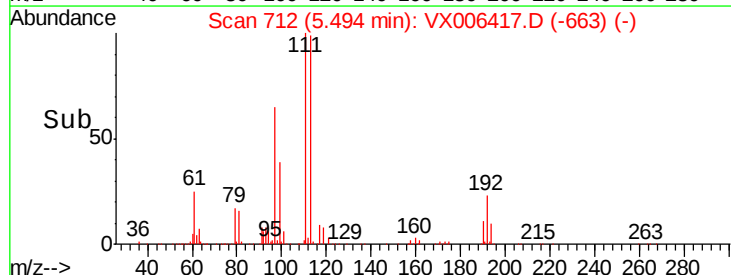
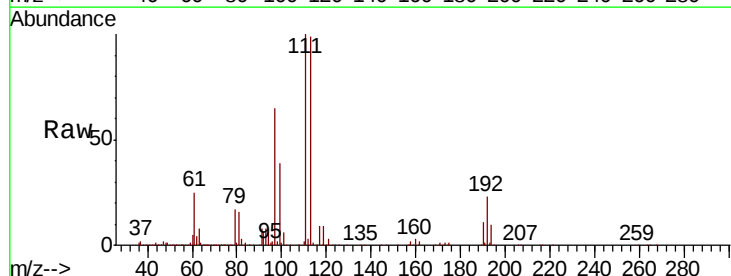
RT: 5.49 min Scan# 712

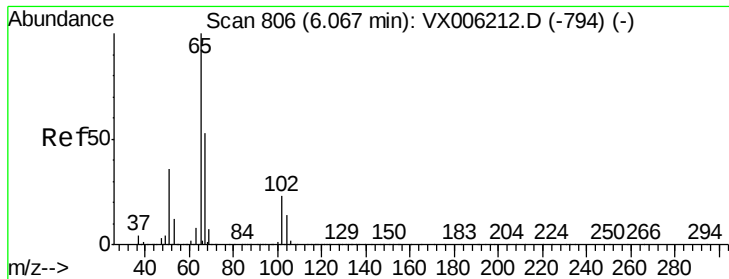
Delta R.T. 0.00 min

Lab File: VX006417.D

Acq: 11 Dec 2018 13:44

Tgt Ion:	97	Resp:	208212
Ion Ratio	Lower	Upper	
97	100		
99	64.6	51.6	77.4
61	38.0	30.6	46.0





#33

1,2-Dichloroethane-d4

Concen: 49.108 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006417.D

Acq: 11 Dec 2018 13:44

Instrument :

MSVOA_X

ClientSampleId :

VX1211MBS01

Tot Ion: 65 Resp: 349454

Ion Ratio Lower Upper

65 100

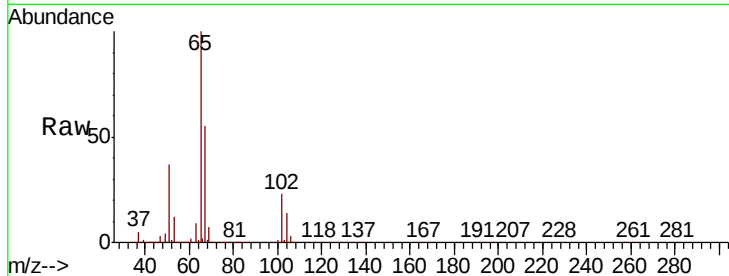
67 55.0 0.0 107.2

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

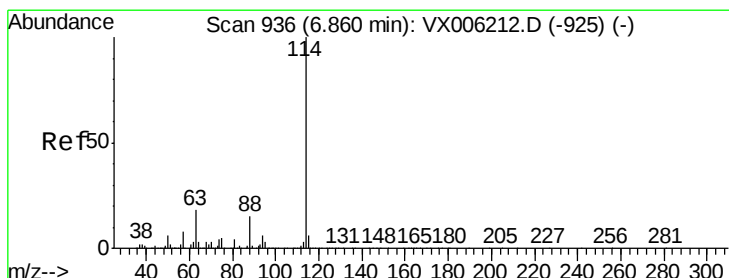
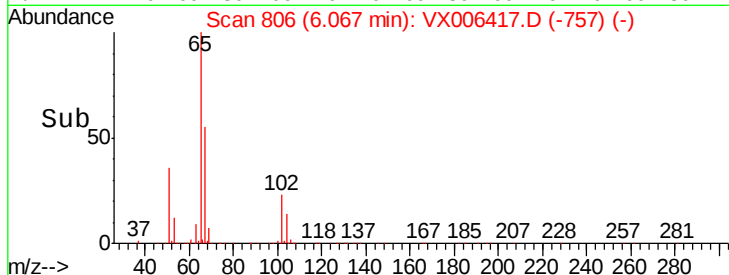
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006417.D

Acq: 11 Dec 2018 13:44

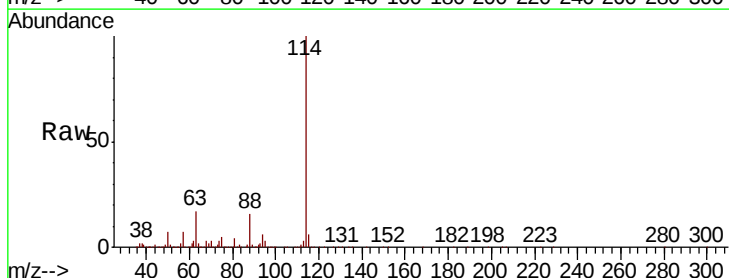
Tgt Ion: 114 Resp: 1020613

Ion Ratio Lower Upper

114 100

63 17.2 0.0 36.6

88 15.5 0.0 29.0



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

6.86

600000

500000

400000

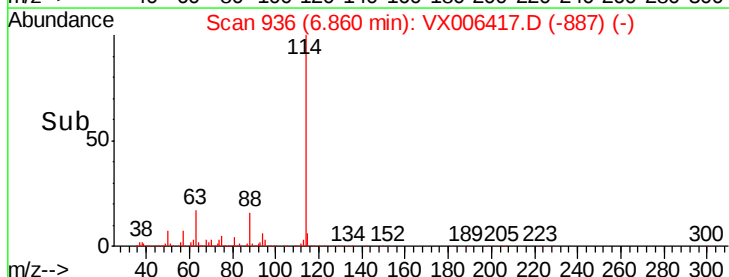
300000

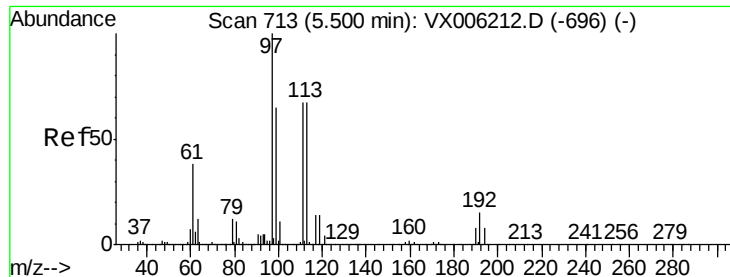
200000

100000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 50.958 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006417.D

Acq: 11 Dec 2018 13:44

Instrument :

MSVOA_X

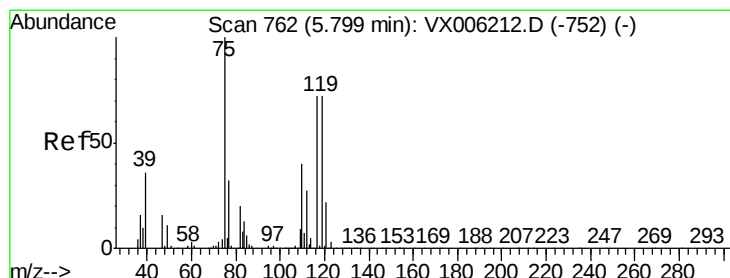
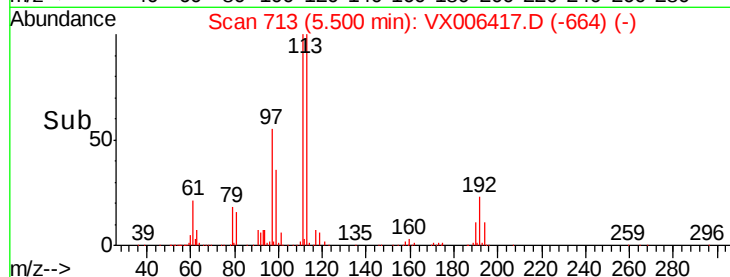
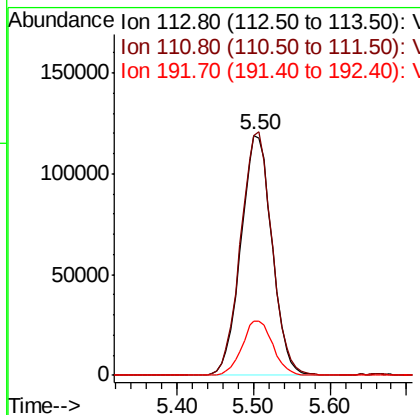
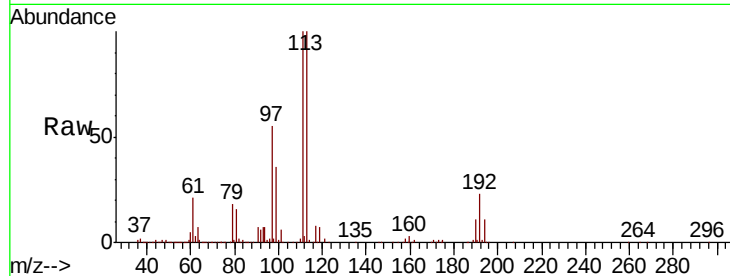
ClientSampleId :

VX1211MBS01

Tot Ion:	113	Resp:	336735
Ion Ratio	Lower	Upper	
113	100		
111	101.5	81.1	121.7
192	22.7	18.2	27.2

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#36

1,1-Dichloropropene

Concen: 18.988 ug/l

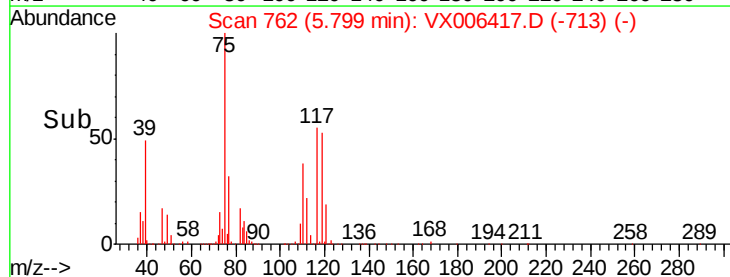
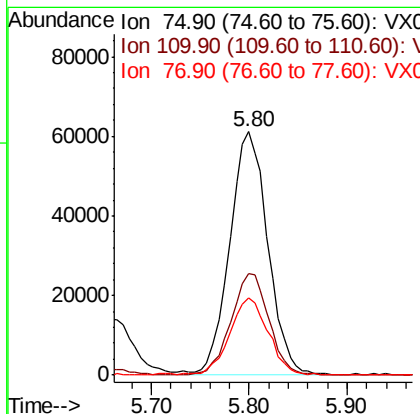
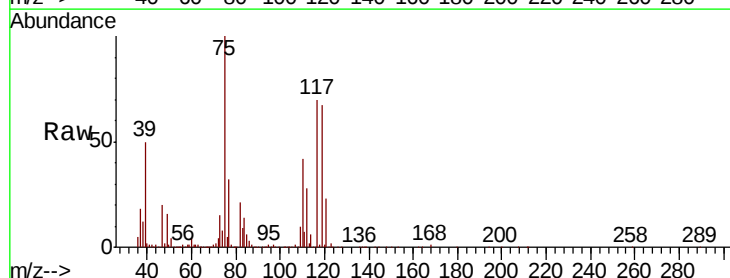
RT: 5.80 min Scan# 762

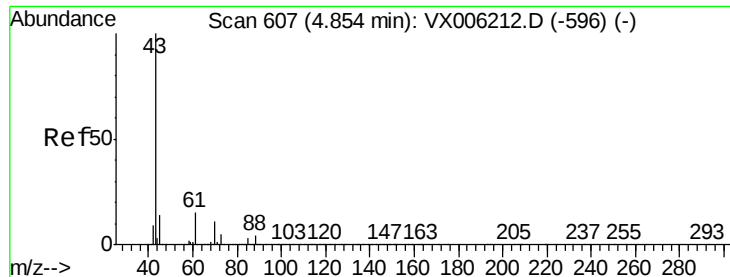
Delta R.T. -0.00 min

Lab File: VX006417.D

Acq: 11 Dec 2018 13:44

Tgt Ion:	75	Resp:	163194
Ion Ratio	Lower	Upper	
75	100		
110	41.7	20.4	61.3
77	31.9	24.9	37.3





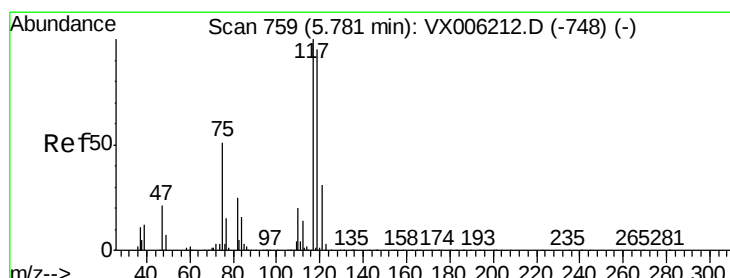
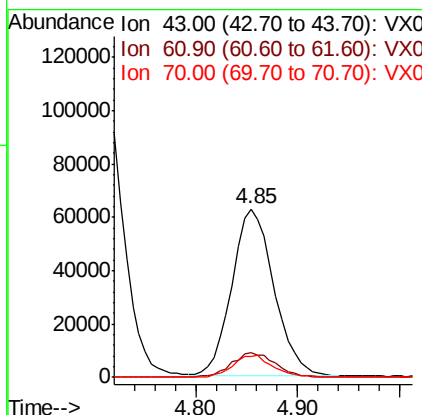
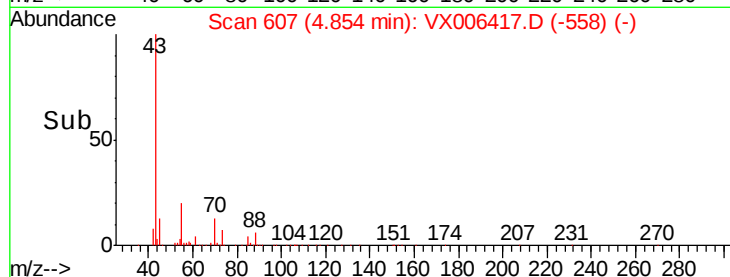
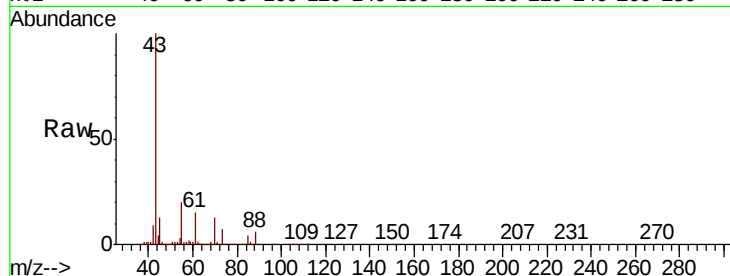
#37
Ethyl Acetate
Concen: 18.654 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX006417.D
Acq: 11 Dec 2018 13:44

Instrument :
MSVOA_X
ClientSampleId :
VX1211MBS01

Tot Ion	43	Resp	179539
Ion Ratio	Lower	Upper	
43	100		
61	15.8	11.5	17.3
70	12.5	9.0	13.6

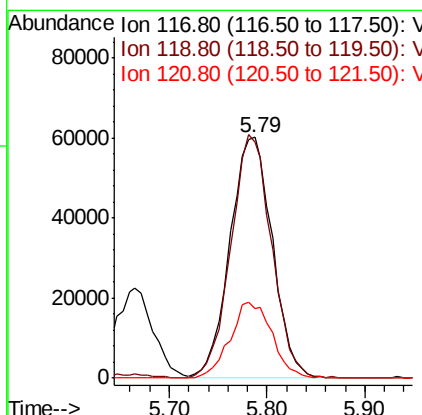
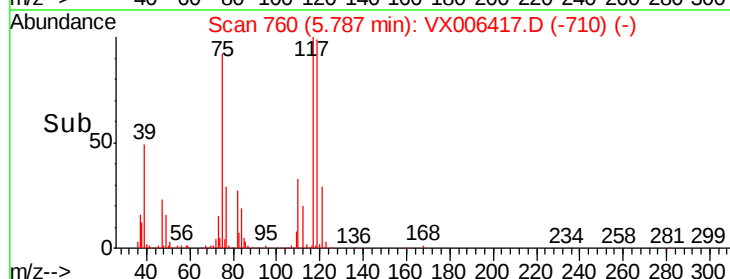
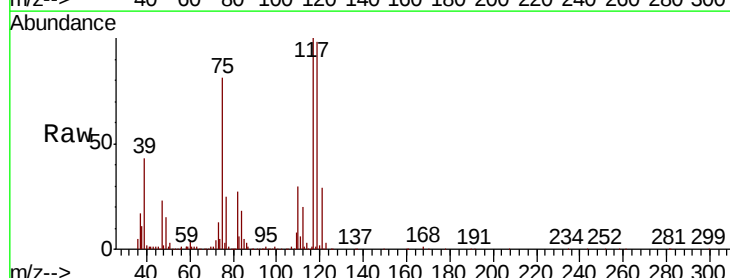
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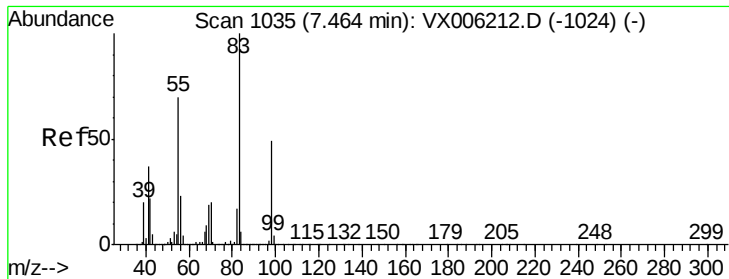
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#38
Carbon Tetrachloride
Concen: 17.854 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX006417.D
Acq: 11 Dec 2018 13:44

Tgt Ion	117	Resp	180516
Ion Ratio	Lower	Upper	
117	100		
119	97.8	75.8	113.8
121	29.0	24.6	37.0





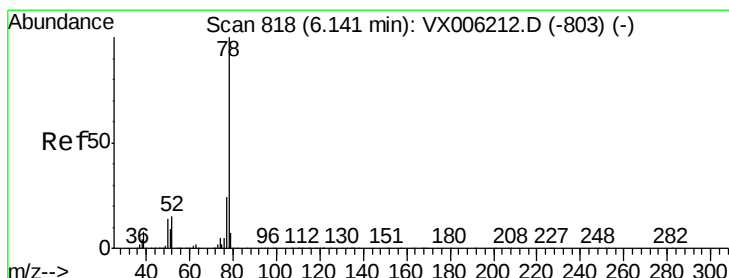
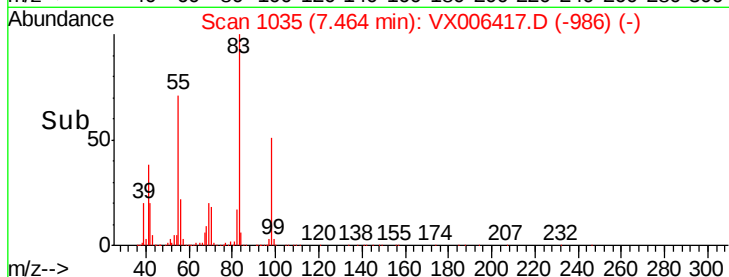
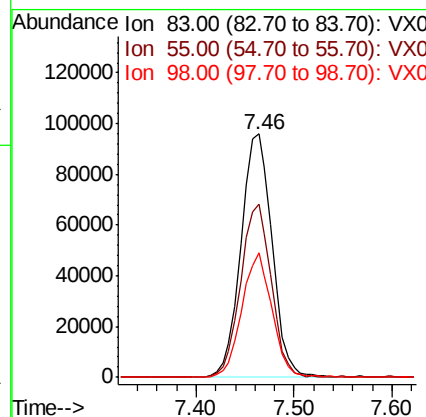
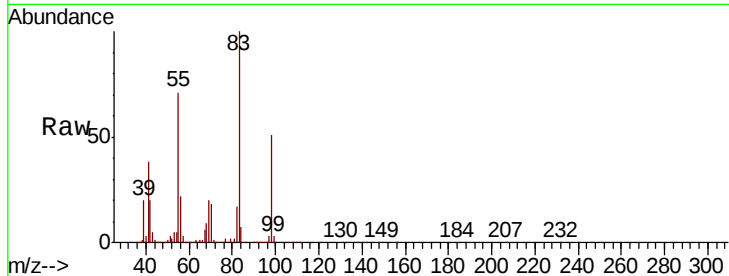
#39
Methvlcvclohexane
Concen: 18.910 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX006417.D
Acq: 11 Dec 2018 13:44

Instrument :
MSVOA_X
ClientSampleId :
VX1211MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.3	56.4	84.6
98	51.0	39.0	58.6

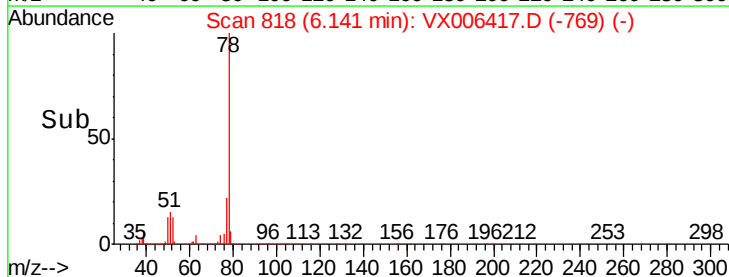
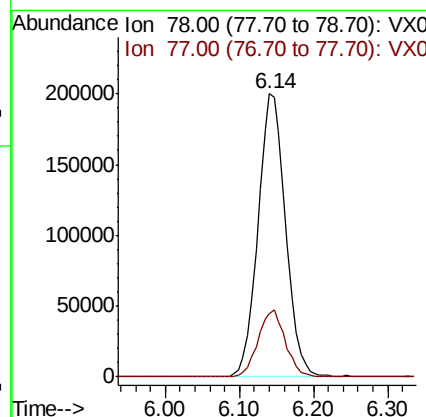
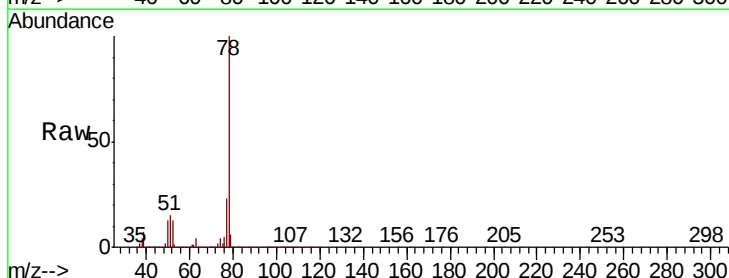
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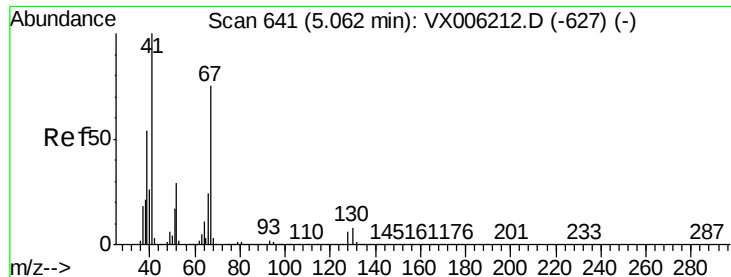
MMDadoda
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#40
Benzene
Concen: 20.126 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX006417.D
Acq: 11 Dec 2018 13:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	19.2	28.8





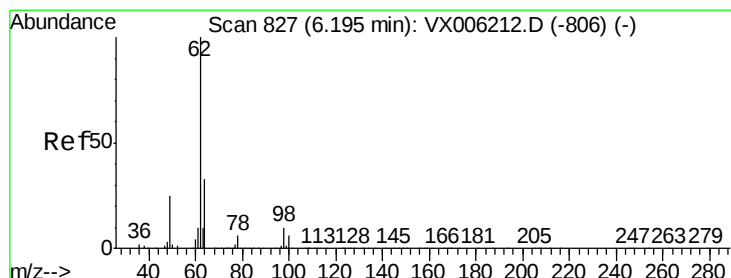
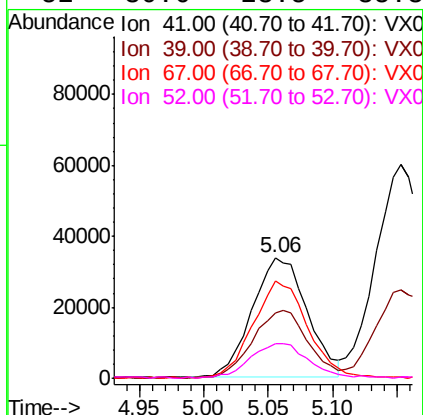
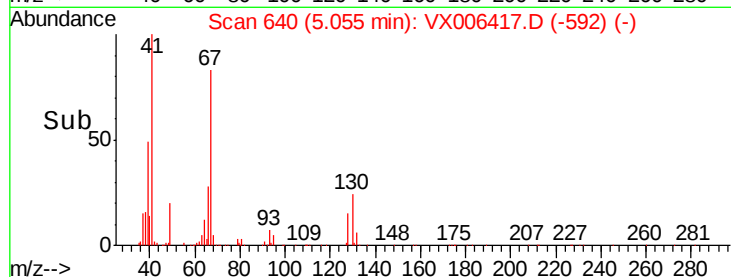
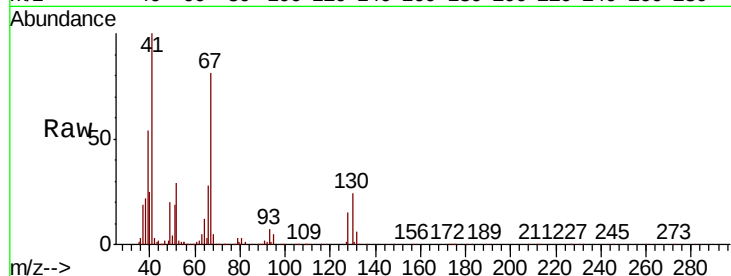
#41
Methacrylonitrile
Concen: 18.951 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX006417.D
Acq: 11 Dec 2018 13:44

Instrument :
MSVOA_X
ClientSampleId :
VX1211MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		100364		
39	55.8	44.0	66.0		
67	79.6	61.4	92.0		
52	30.6	23.5	35.3		

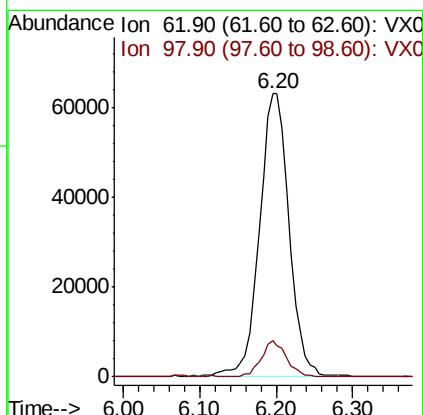
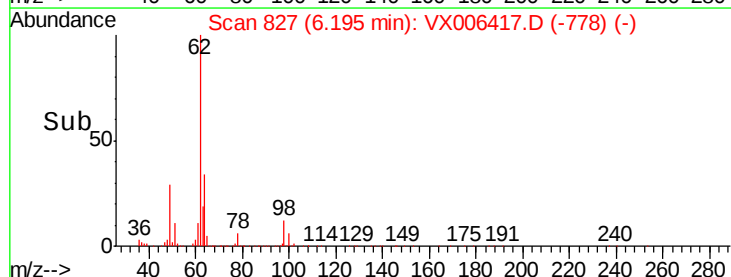
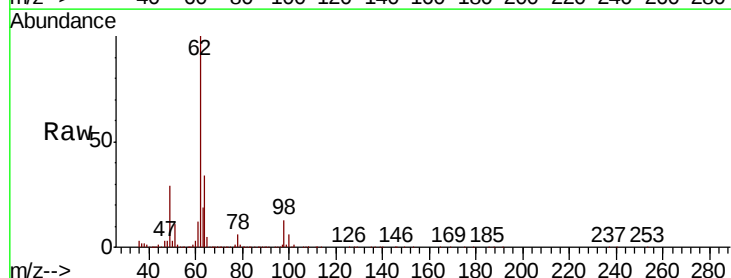
Manual Integrations
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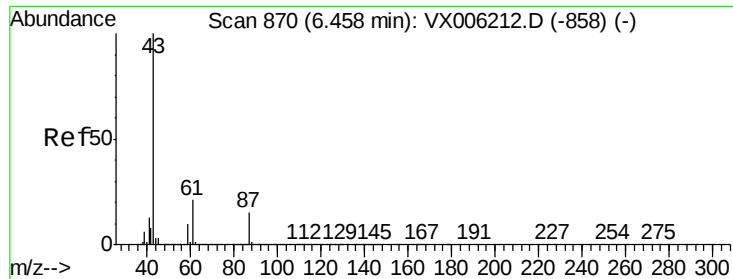
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.016 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX006417.D
Acq: 11 Dec 2018 13:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		168633		
98	11.2	0.0	20.2		





#43

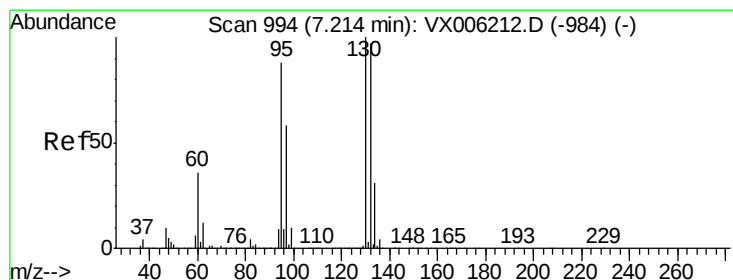
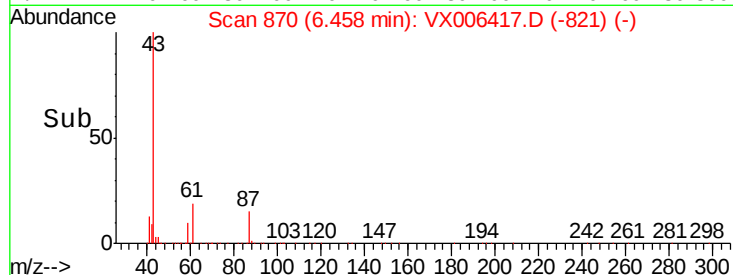
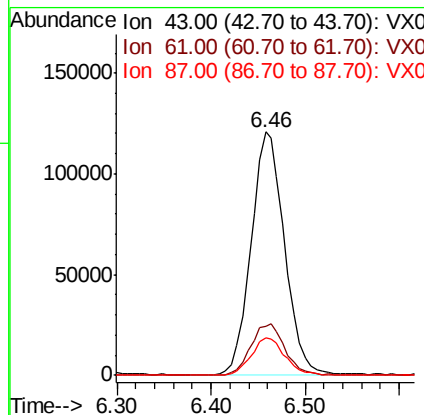
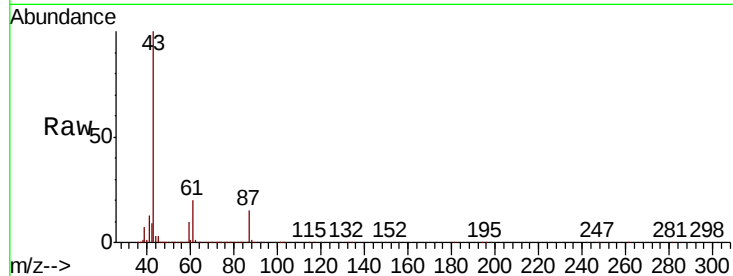
Isopropyl Acetate
 Concen: 18.572 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX006417.D
 Acq: 11 Dec 2018 13:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1211MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.9	16.8	25.2
87	15.7	11.9	17.9

Manual Integrations
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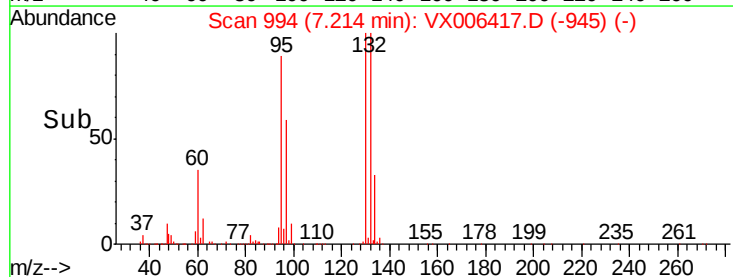
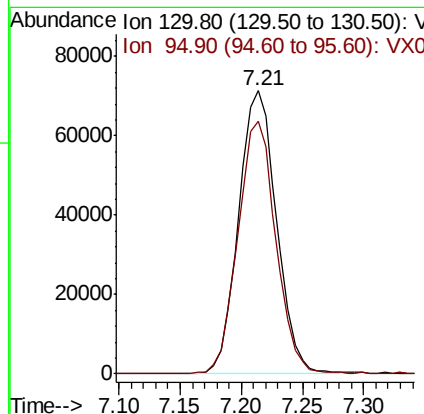
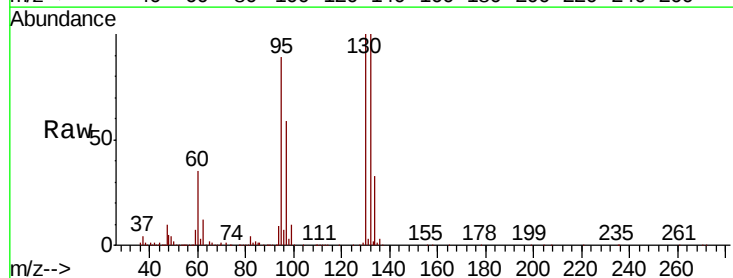
MMDadoda
 12/12/2018 10:39:57 AM



#44

Trichloroethene
 Concen: 19.706 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX006417.D
 Acq: 11 Dec 2018 13:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.4	0.0	175.8





#45

1,2-Dichloropropane

Concen: 19.653 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX006417.D

Acq: 11 Dec 2018 13:44

Instrument :

MSVOA_X

ClientSampleId :

VX1211MBS01

Tot Ion: 63 Resp: 128577

Ion Ratio Lower Upper

63 100

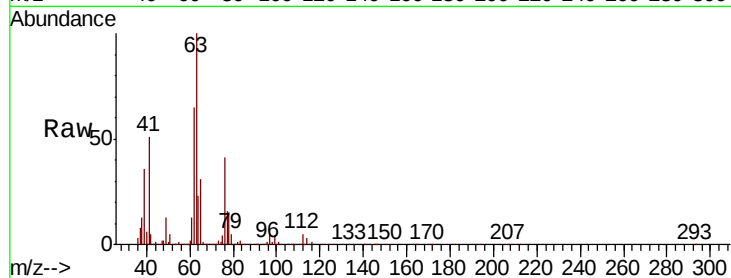
65 30.5 24.3 36.5

Manual Integrations

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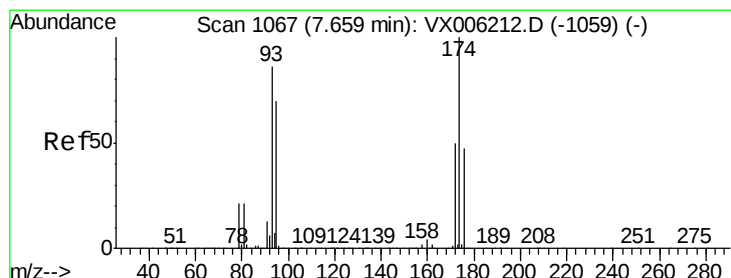
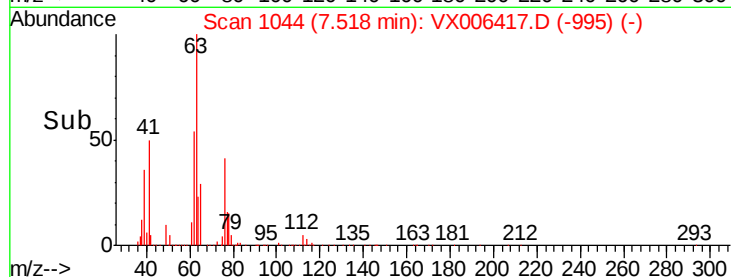
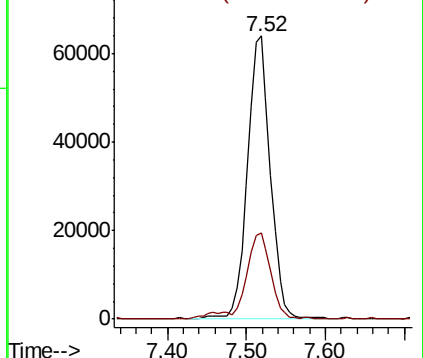
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.444 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX006417.D

Acq: 11 Dec 2018 13:44

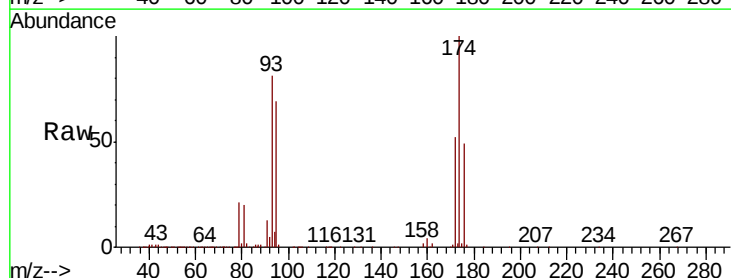
Tgt Ion: 93 Resp: 91874

Ion Ratio Lower Upper

93 100

95 83.0 66.2 99.4

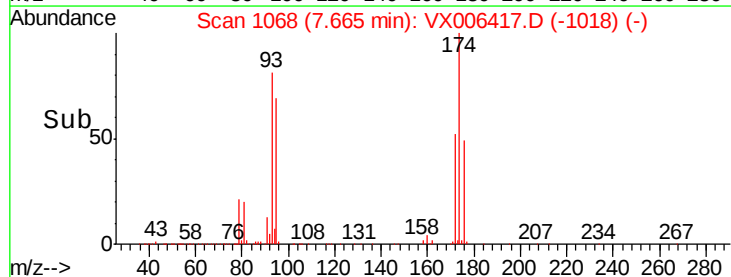
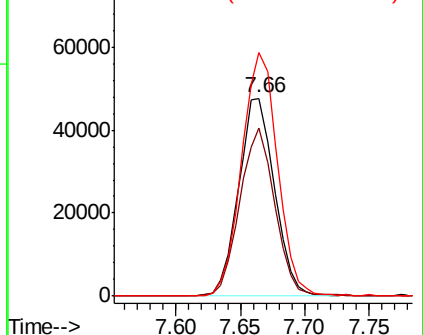
174 122.7 97.2 145.8

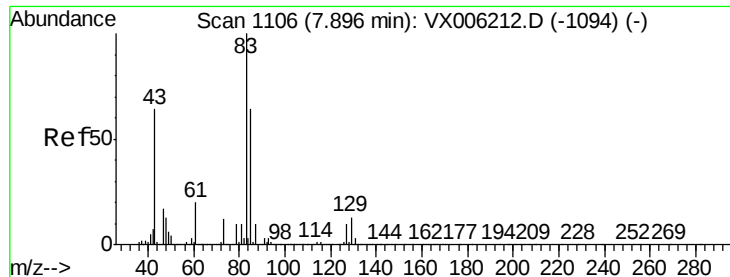


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 17.772 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006417.D

Acq: 11 Dec 2018 13:44

Instrument :

MSVOA_X

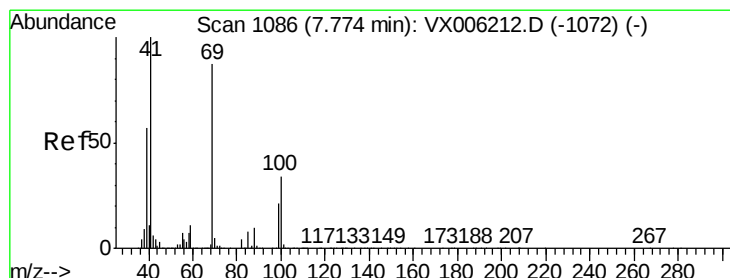
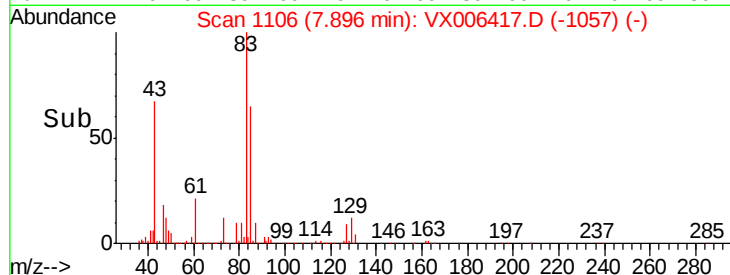
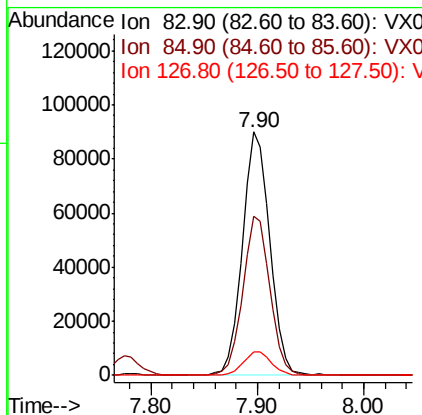
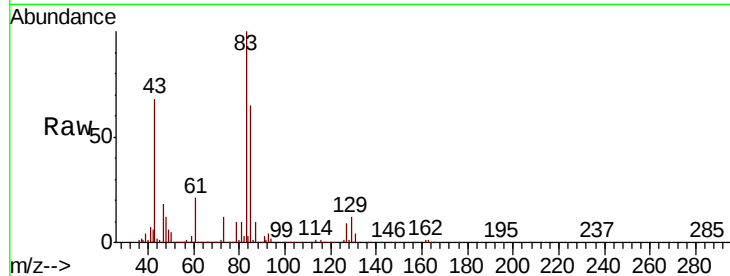
ClientSampleId :

VX1211MBS01

Tot Ion:	83	Resp:	162617
Ion Ratio	Lower	Upper	
83	100		
85	65.1	51.4	77.0
127	9.3	7.9	11.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.080 ug/l

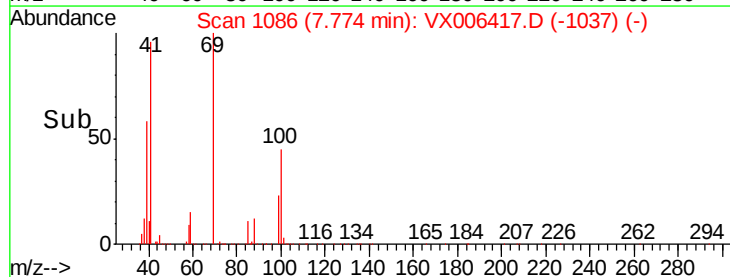
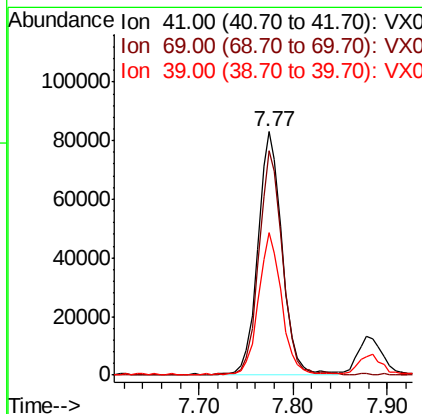
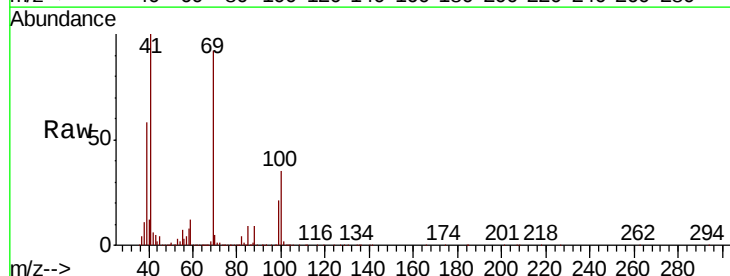
RT: 7.77 min Scan# 1086

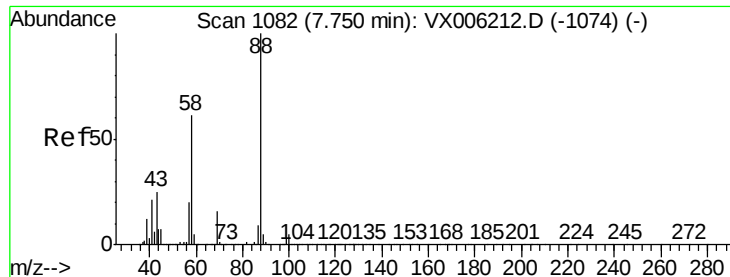
Delta R.T. 0.00 min

Lab File: VX006417.D

Acq: 11 Dec 2018 13:44

Tgt Ion:	41	Resp:	148957
Ion Ratio	Lower	Upper	
41	100		
69	91.4	70.3	105.5
39	56.1	45.3	67.9





#49

1,4-Dioxane

Concen: 408.769 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. -0.00 min

Lab File: VX006417.D

Acq: 11 Dec 2018 13:44

Instrument :

MSVOA_X

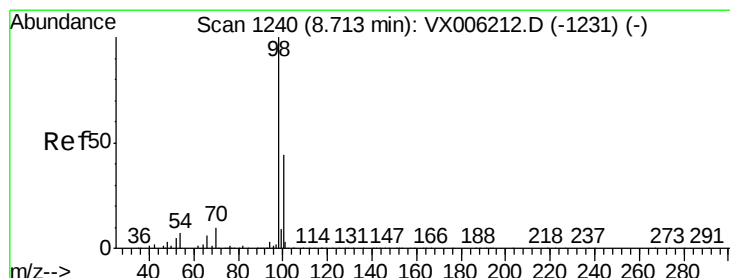
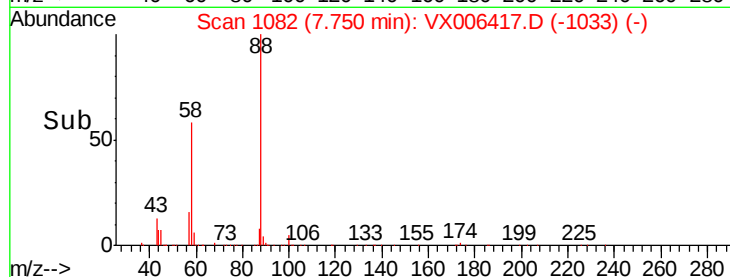
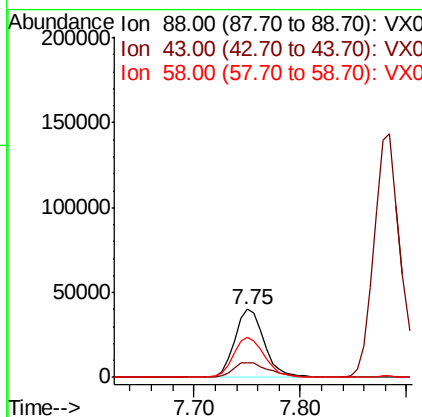
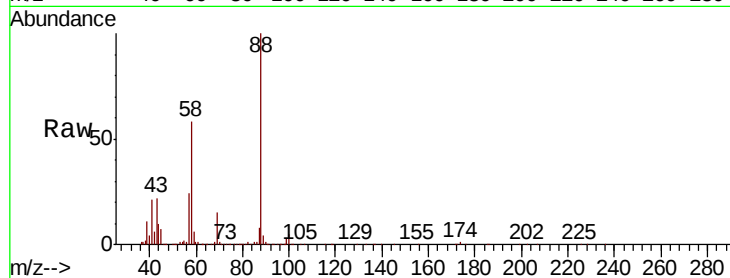
ClientSampleId :

VX1211MBS01

Tot Ion:	88	Resp:	78652
Ion Ratio	Lower	Upper	
88	100		
43	26.9	23.2	34.8
58	61.0	51.4	77.0

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#50

Toluene-d8

Concen: 50.910 ug/l

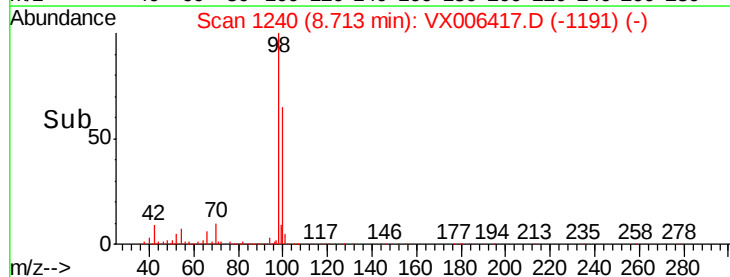
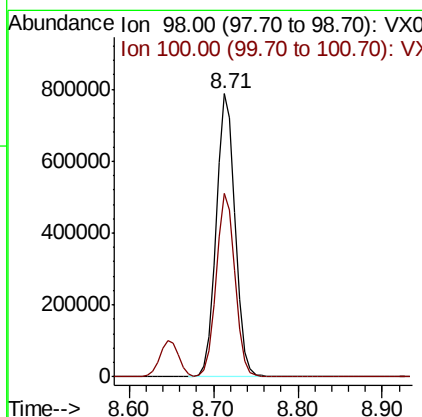
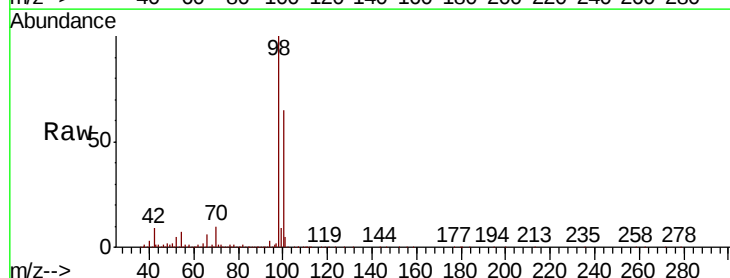
RT: 8.71 min Scan# 1240

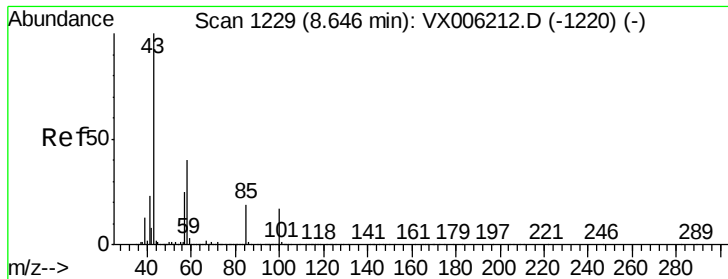
Delta R.T. 0.00 min

Lab File: VX006417.D

Acq: 11 Dec 2018 13:44

Tgt Ion:	98	Resp:	1223683
Ion Ratio	Lower	Upper	
98	100		
100	64.6	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 99.470 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX006417.D

Acq: 11 Dec 2018 13:44

Instrument :

MSVOA_X

ClientSampleId :

VX1211MBS01

Tot Ion: 43 Resp: 929237

Ion Ratio Lower Upper

43 100

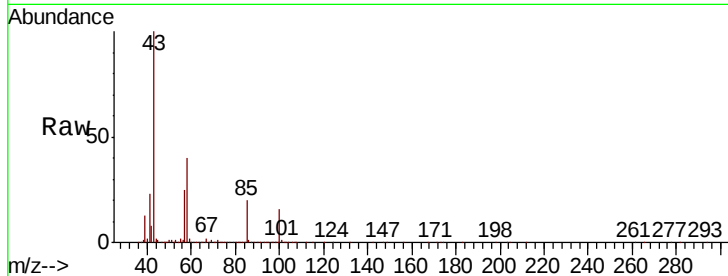
58 40.4 31.3 46.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

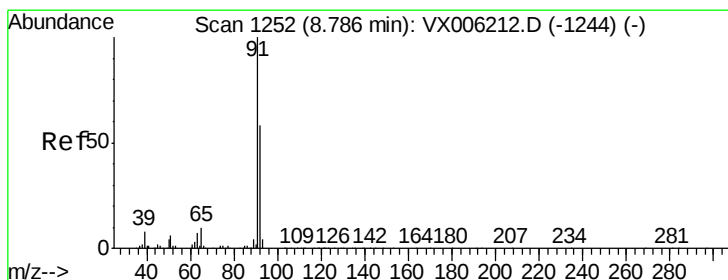
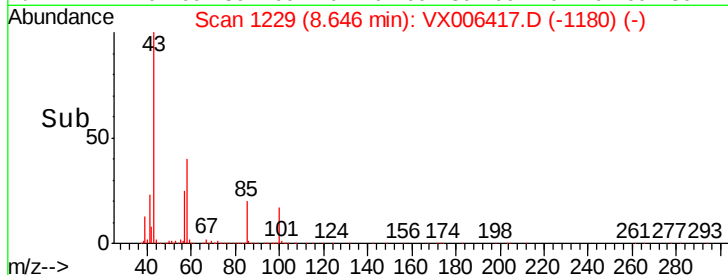
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 19.835 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006417.D

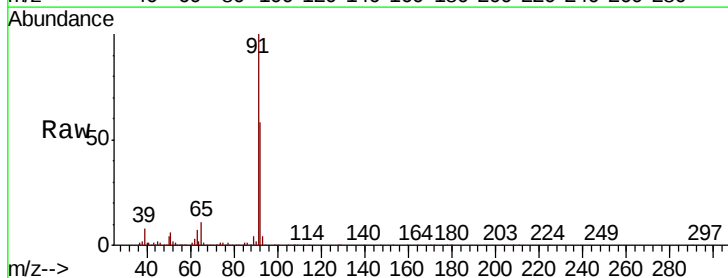
Acq: 11 Dec 2018 13:44

Tgt Ion: 92 Resp: 335917

Ion Ratio Lower Upper

92 100

91 174.6 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

400000

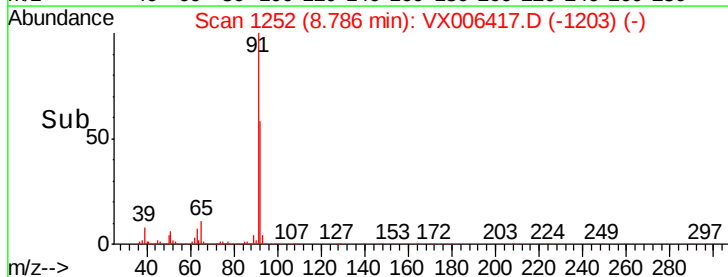
300000

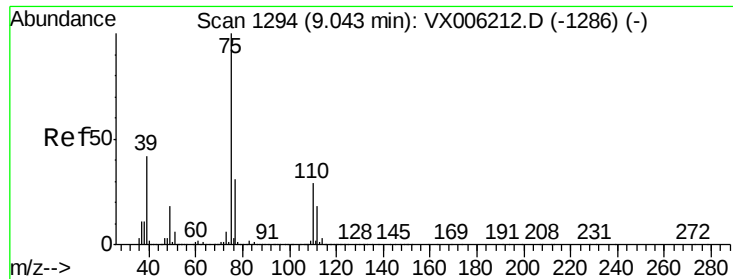
200000

100000

0

Time-->





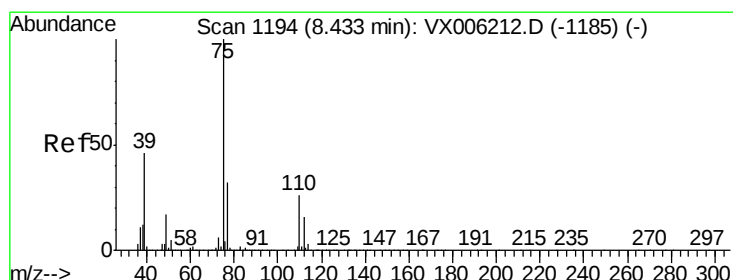
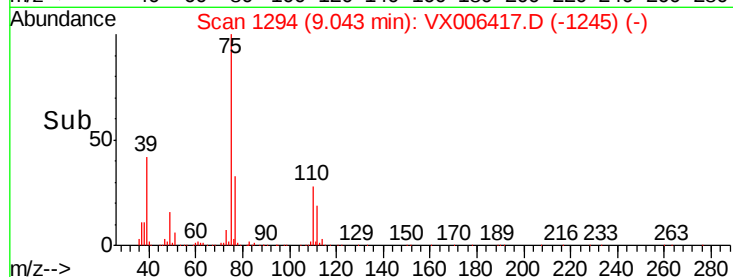
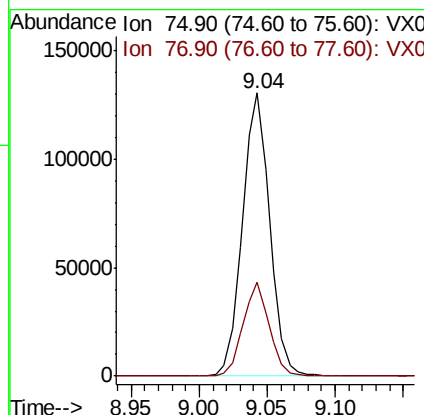
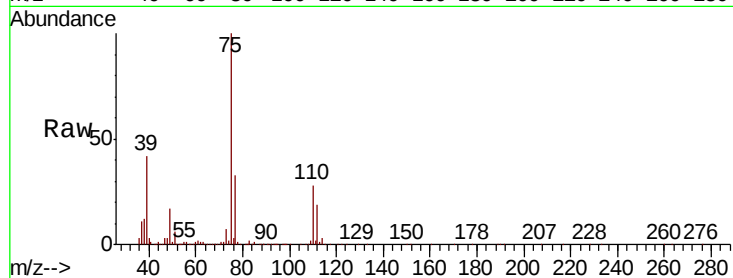
#53
t-1,3-Dichloropropene
Concen: 17.040 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX006417.D
Acq: 11 Dec 2018 13:44

Instrument :
MSVOA_X
ClientSampleId :
VX1211MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.0	37.4

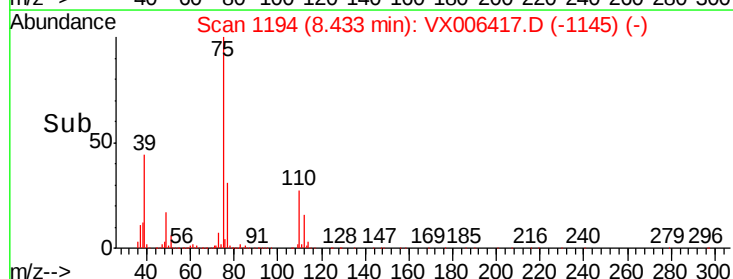
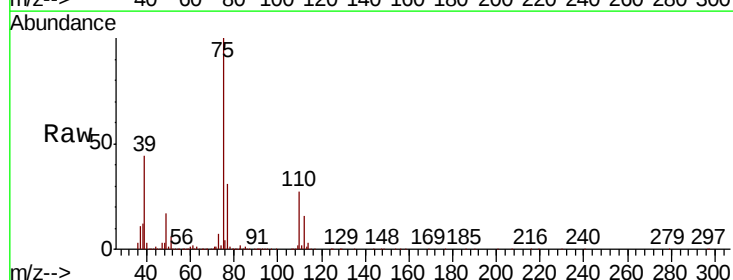
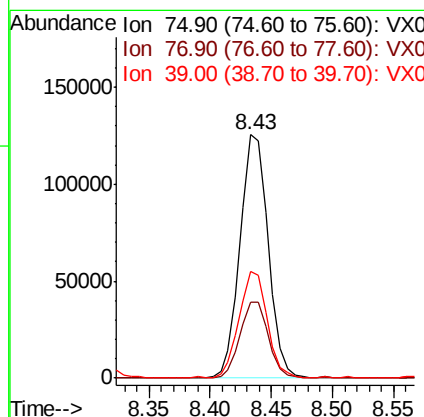
Manual Integrations
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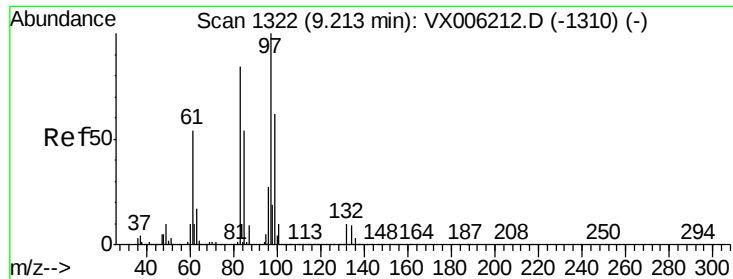
MMDadoda
12/12/2018 10:39:57 AM



#54
cis-1,3-Dichloropropene
Concen: 18.022 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX006417.D
Acq: 11 Dec 2018 13:44

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.6	38.4
39	43.8	36.5	54.7





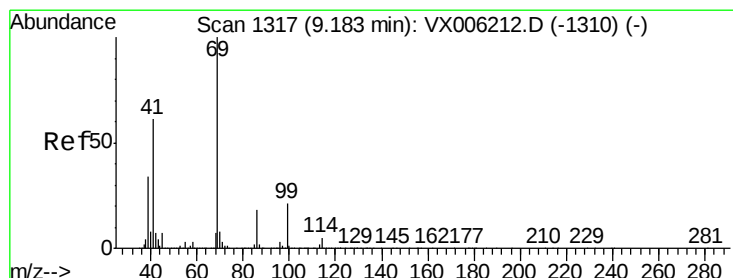
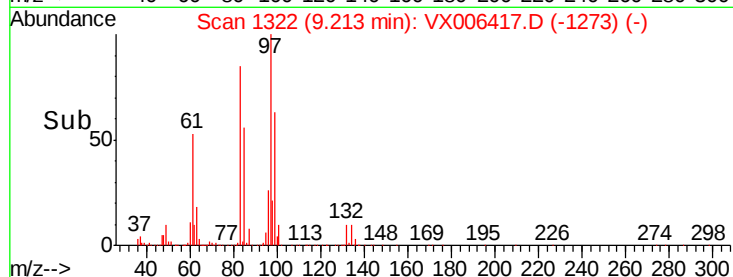
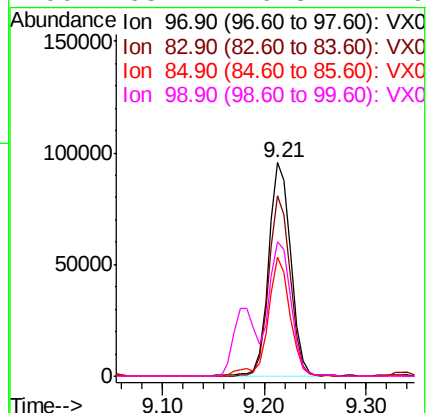
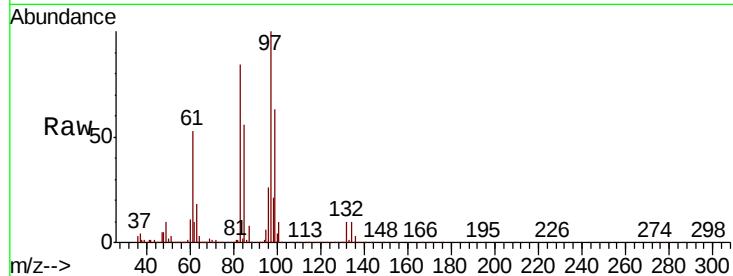
#55
 1,1,2-Trichloroethane
 Concen: 20.864 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX006417.D
 Acq: 11 Dec 2018 13:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1211MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		143548		
83	84.5	67.1	100.7		
85	55.8	43.2	64.8		
99	63.1	49.8	74.6		

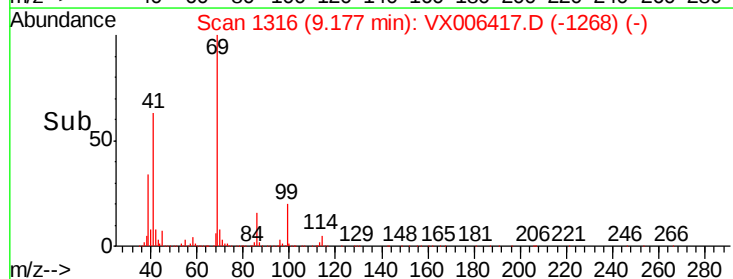
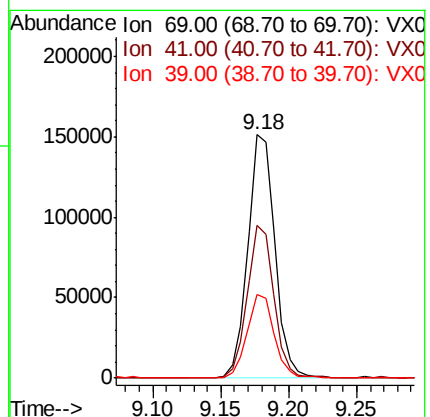
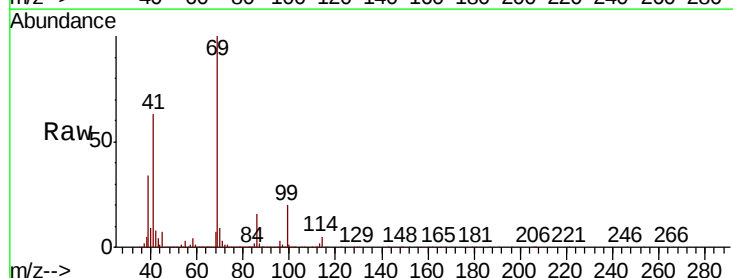
Manual Integrations
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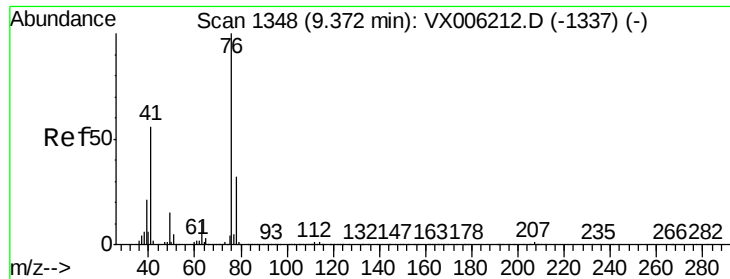
MMDadoda
 12/12/2018 10:39:57 AM



#56
 Ethyl methacrylate
 Concen: 19.667 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: VX006417.D
 Acq: 11 Dec 2018 13:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		211535		
41	61.9	50.6	76.0		
39	33.9	27.6	41.4		





#57

1,3-Dichloropropane

Concen: 20.563 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX006417.D

Acq: 11 Dec 2018 13:44

Instrument :

MSVOA_X

ClientSampleId :

VX1211MBS01

Tot Ion: 76 Resp: 223716

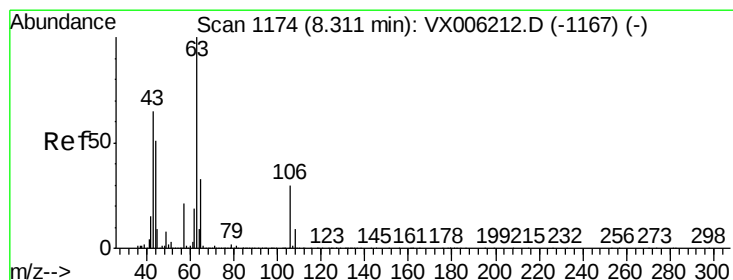
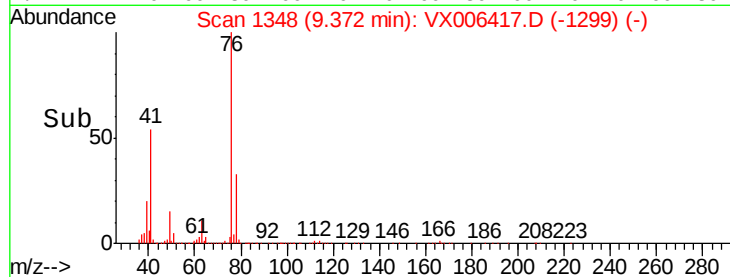
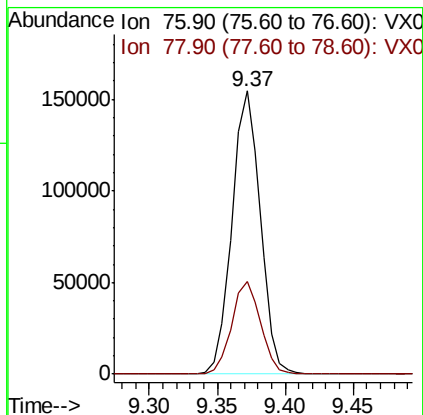
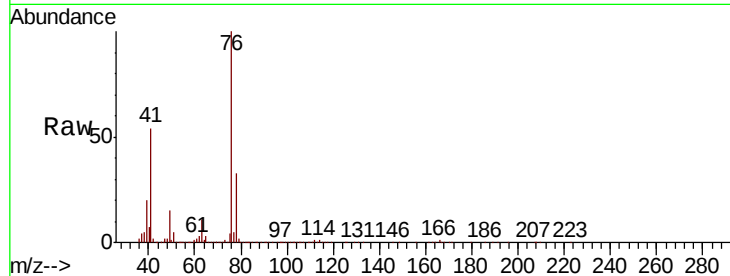
Ion Ratio Lower Upper

76 100

78 33.3 26.1 39.1

Manual Integrations
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12/12/2018 10:39:57 AM



#58

2-Chloroethyl Vinyl ether

Concen: 94.905 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX006417.D

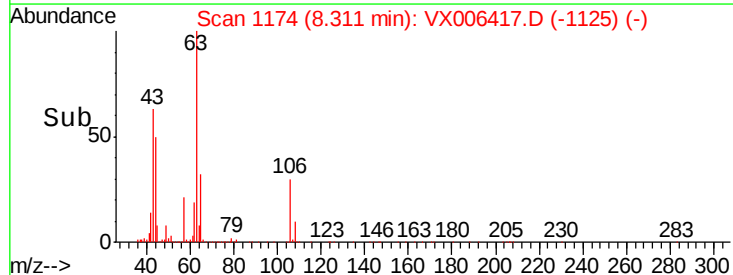
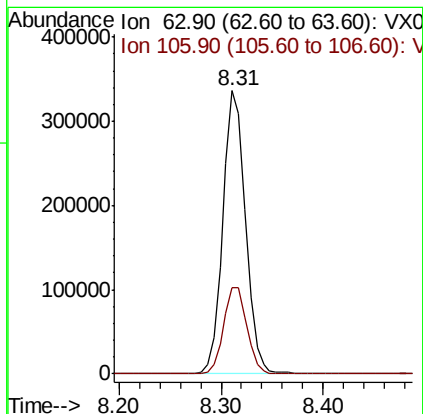
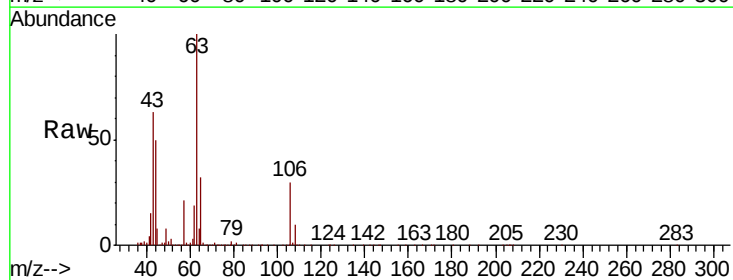
Acq: 11 Dec 2018 13:44

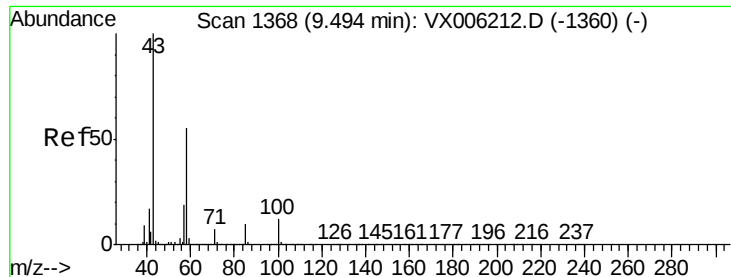
Tgt Ion: 63 Resp: 517996

Ion Ratio Lower Upper

63 100

106 31.5 24.9 37.3





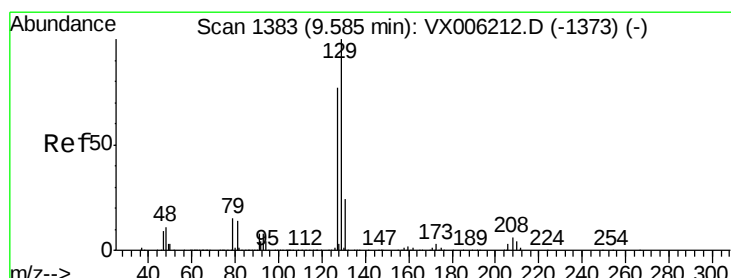
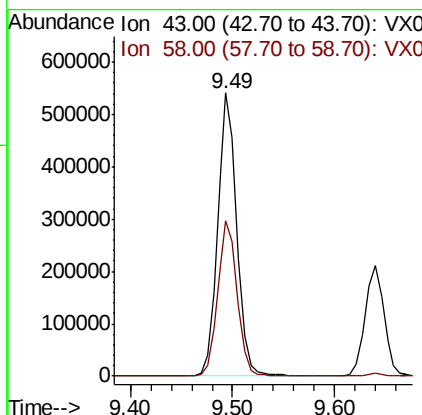
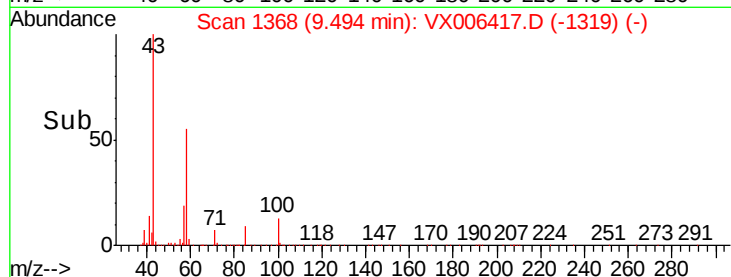
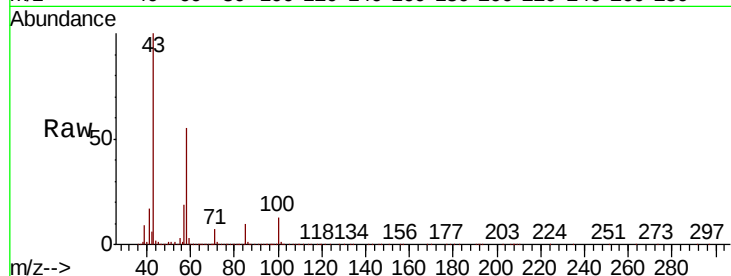
#59
2-Hexanone
Concen: 99.269 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX006417.D
Acq: 11 Dec 2018 13:44

Instrument :
MSVOA_X
ClientSampleId :
VX1211MBS01

Tot Ion: 43 Resp: 708506
Ion Ratio Lower Upper
43 100
58 56.2 27.7 83.1

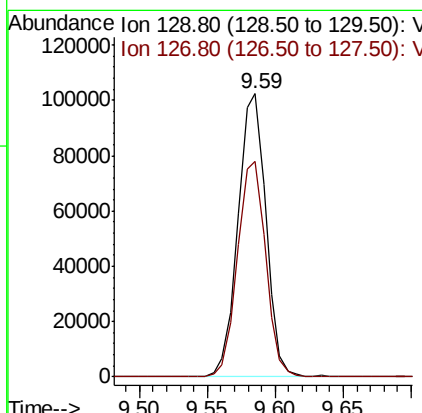
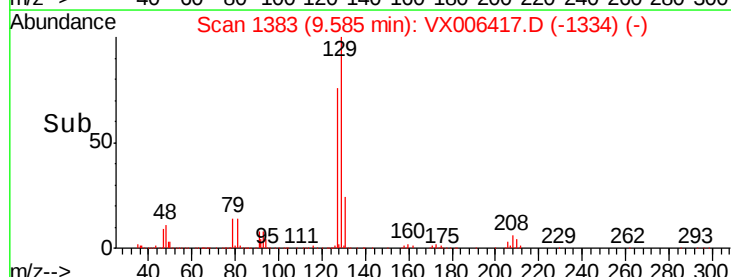
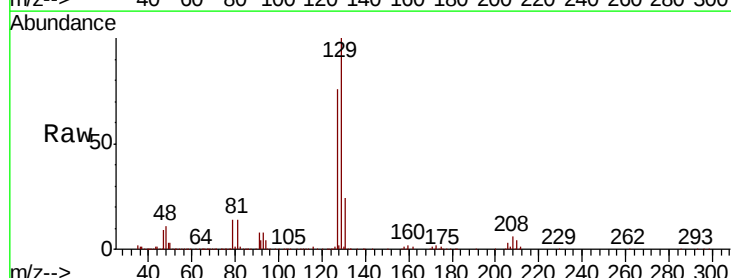
Manual Integrations
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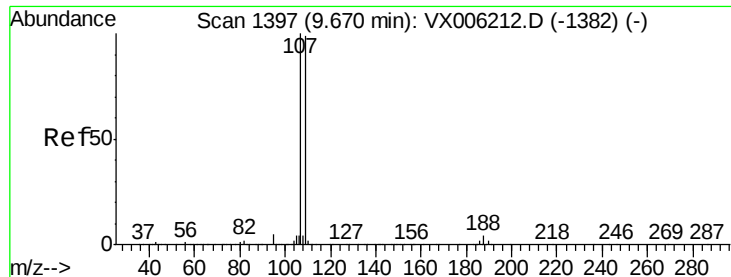
MMDadoda
12/12/2018 10:39:57 AM



#60
Dibromochloromethane
Concen: 17.279 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX006417.D
Acq: 11 Dec 2018 13:44

Tgt Ion: 129 Resp: 146591
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.275 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX006417.D

Acq: 11 Dec 2018 13:44

Instrument :

MSVOA_X

ClientSampleId :

VX1211MBS01

Tot Ion: 107 Resp: 155973

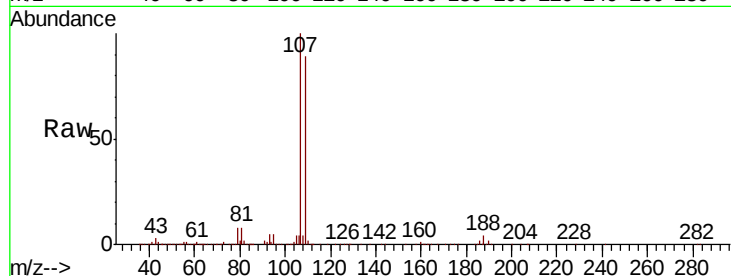
Ion Ratio Lower Upper

107 100

109 92.1 76.3 114.5

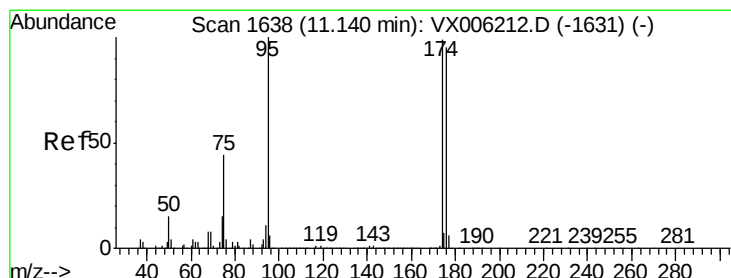
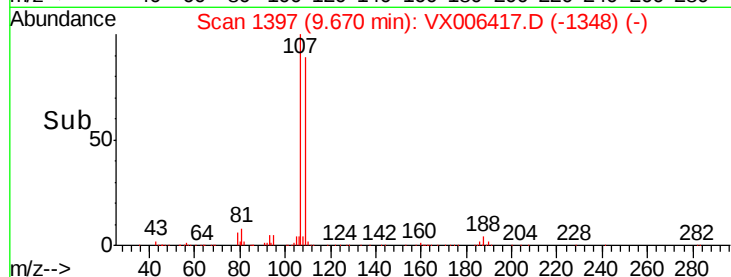
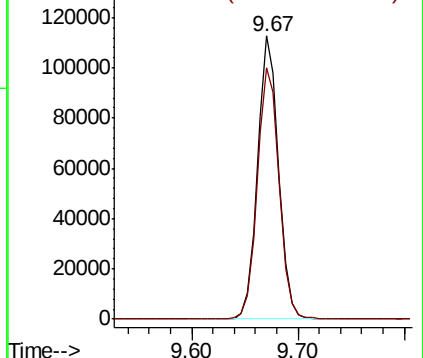
Manual Integrations
APPROVED

MMDadoda
12/12/2018 10:39:57 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.980 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX006417.D

Acq: 11 Dec 2018 13:44

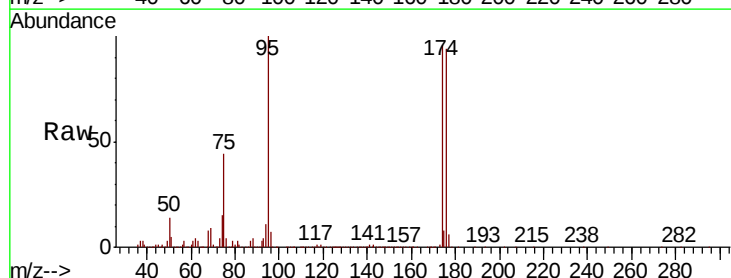
Tgt Ion: 95 Resp: 461756

Ion Ratio Lower Upper

95 100

174 93.4 0.0 187.0

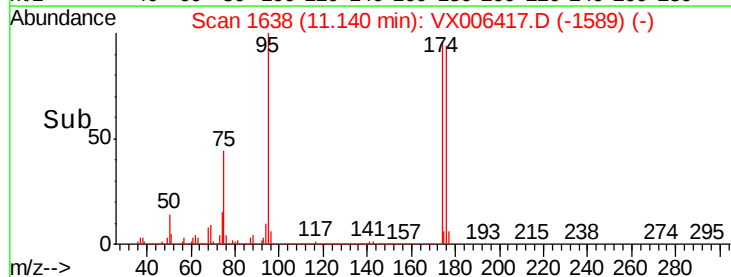
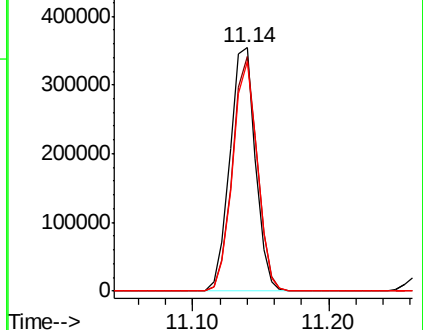
176 91.5 0.0 181.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





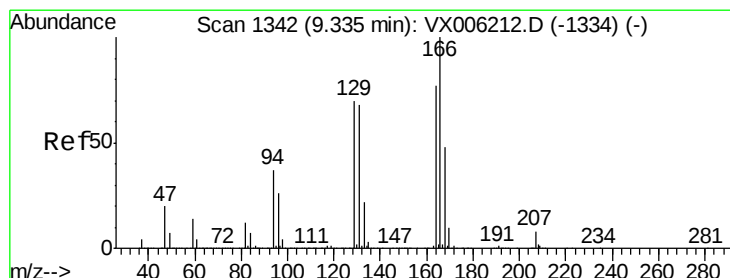
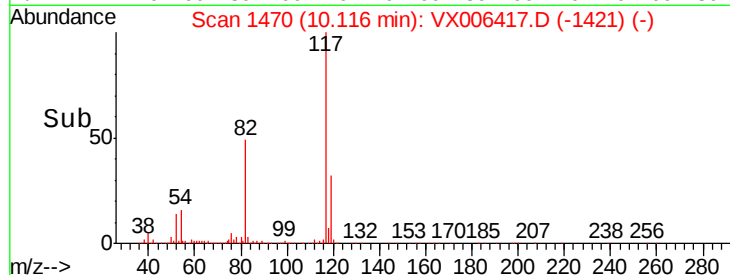
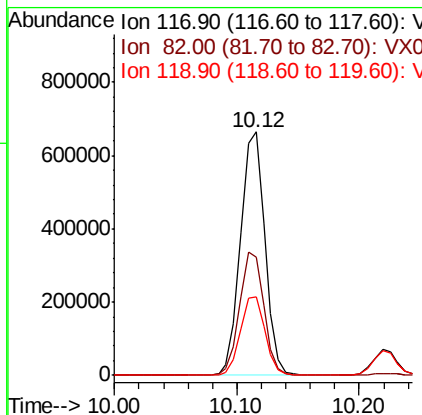
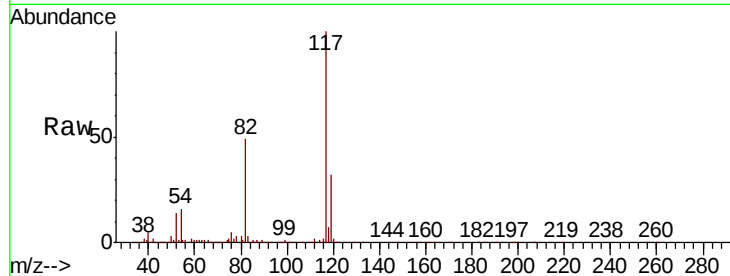
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006417.D
Acq: 11 Dec 2018 13:44

Instrument :
MSVOA_X
ClientSampleId :
VX1211MBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	916927		
82	48.5	39.6	59.4	
119	32.1	26.3	39.5	

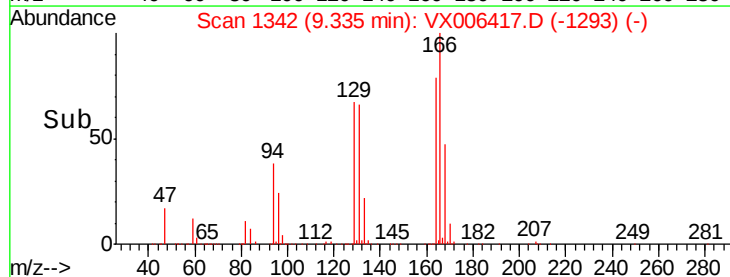
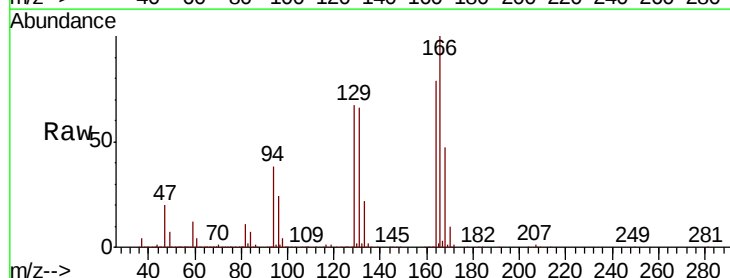
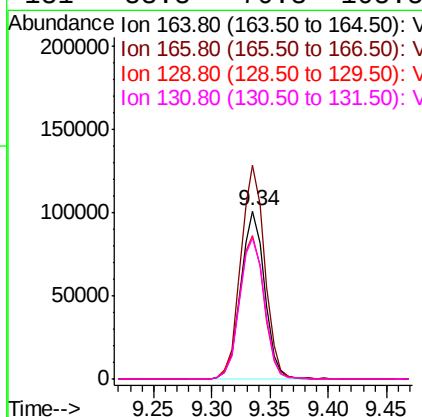
Manual Integrations
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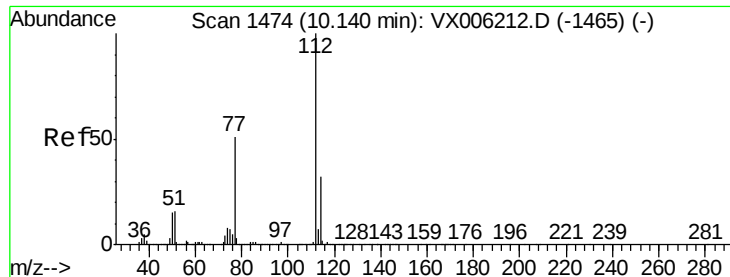
MMDadoda
12/12/2018 10:39:57 AM



#64
Tetrachloroethene
Concen: 20.934 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006417.D
Acq: 11 Dec 2018 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	144555		
166	127.3	104.2	156.2	
129	85.2	72.6	108.8	
131	83.8	70.3	105.5	





#65

Chlorobenzene

Concen: 20.491 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX006417.D

Acq: 11 Dec 2018 13:44

Instrument :

MSVOA_X

ClientSampleId :

VX1211MBS01

Tot Ion:112 Resp: 398849

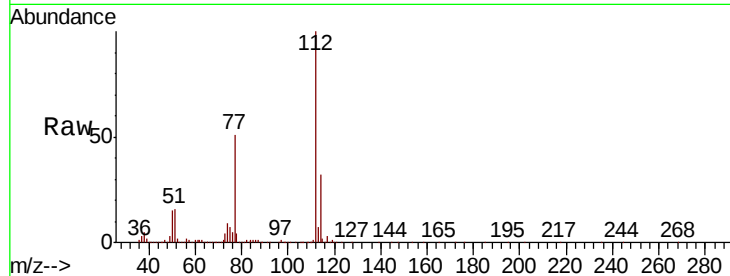
Ion Ratio Lower Upper

112 100

114 31.6 25.4 38.2

Manual Integrations
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12/12/2018 10:39:57 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

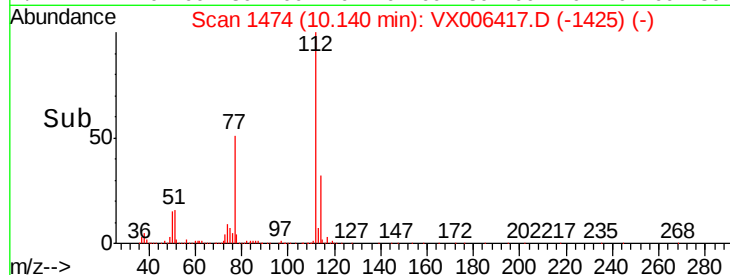
300000

200000

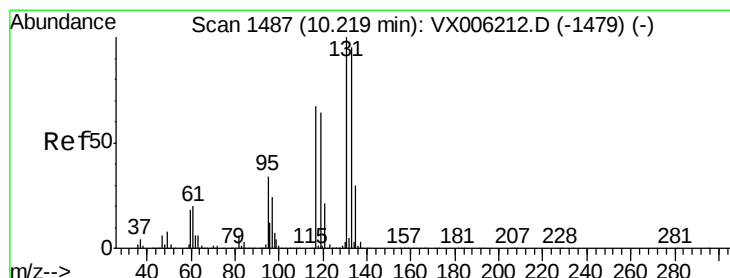
100000

0

Time-->



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.056 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX006417.D

Acq: 11 Dec 2018 13:44

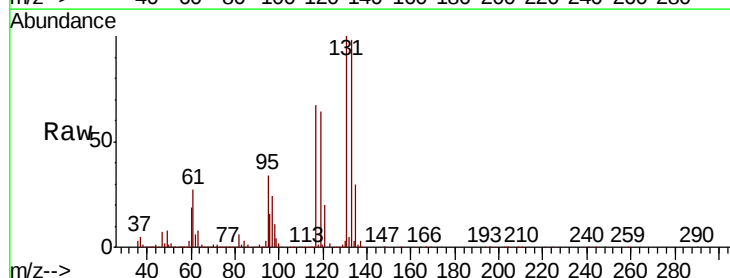
Tgt Ion:131 Resp: 144116

Ion Ratio Lower Upper

131 100

133 96.6 48.1 144.4

119 64.5 32.1 96.3



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

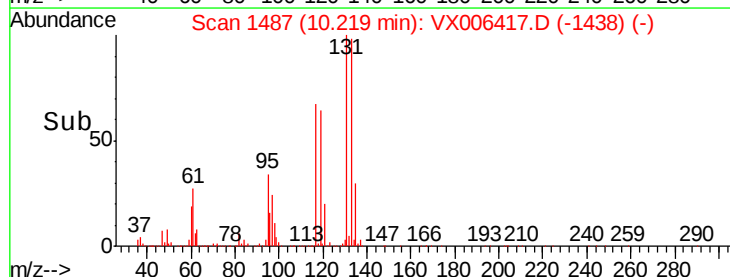
10.22

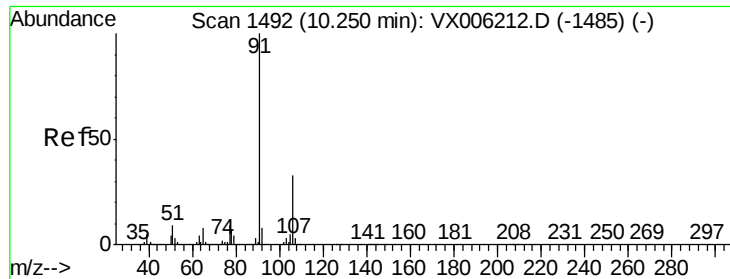
100000

50000

0

Time-->





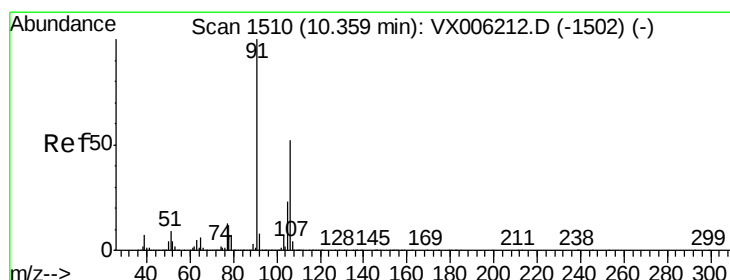
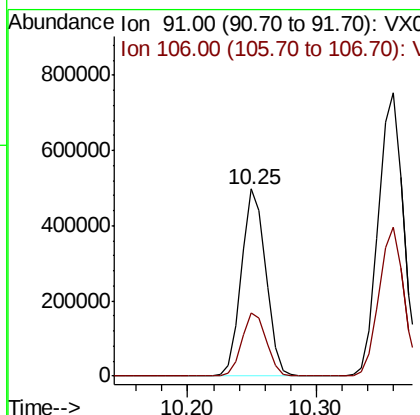
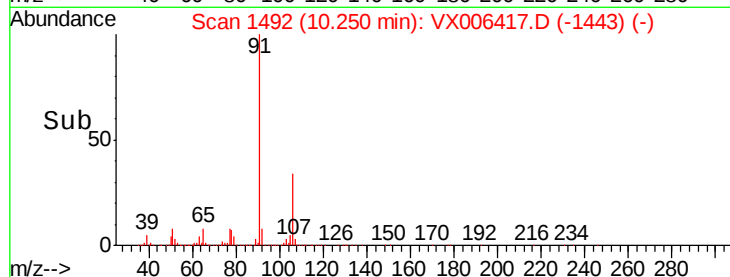
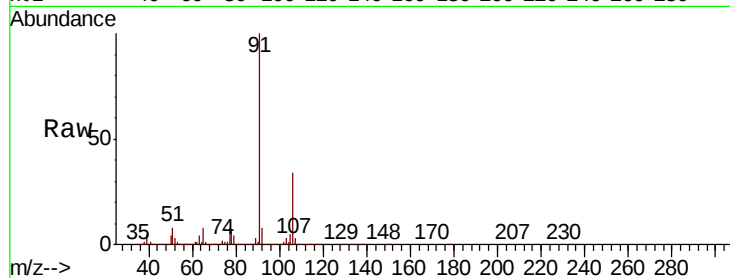
#67
Ethyl Benzene
Concen: 20.061 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX006417.D
Acq: 11 Dec 2018 13:44

Instrument :
MSVOA_X
ClientSampleId :
VX1211MBS01

Tot Ion: 91 Resp: 649423
Ion Ratio Lower Upper
91 100
106 33.6 26.5 39.7

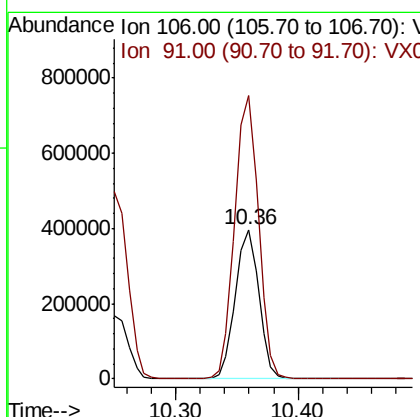
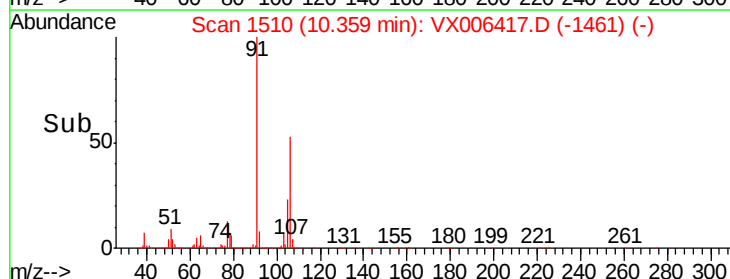
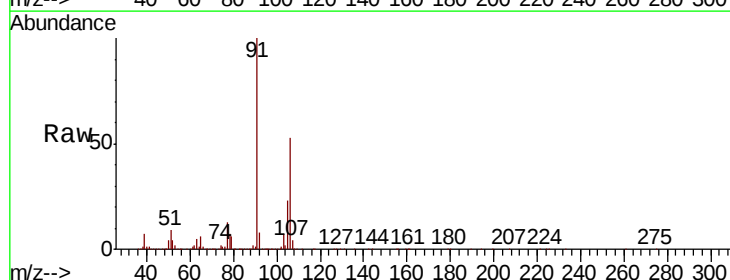
Manual Integrations
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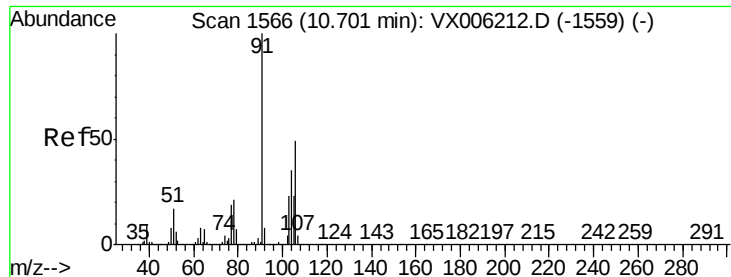
MMDadoda
12/12/2018 10:39:57 AM



#68
m/p-Xylenes
Concen: 40.495 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX006417.D
Acq: 11 Dec 2018 13:44

Tgt Ion: 106 Resp: 525130
Ion Ratio Lower Upper
106 100
91 192.8 155.2 232.8





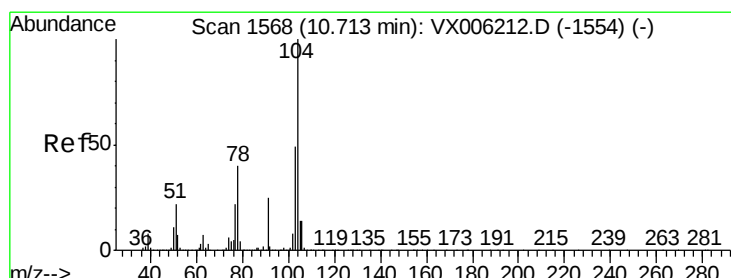
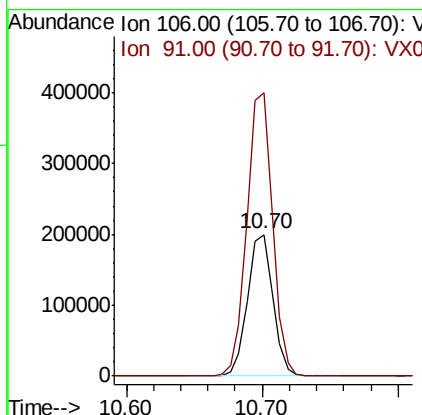
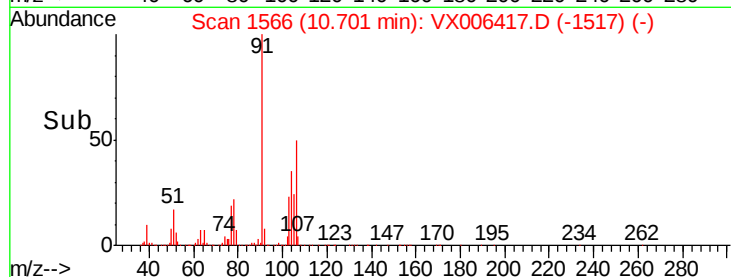
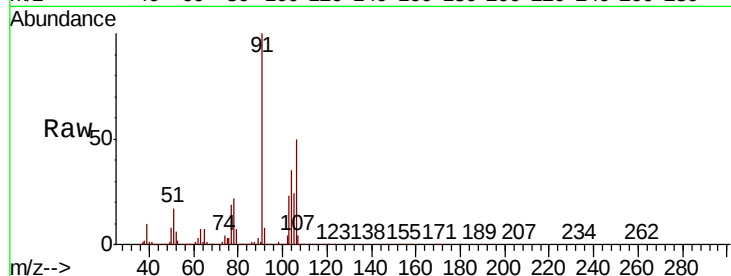
#69
o-Xylene
Concen: 20.457 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006417.D
Acq: 11 Dec 2018 13:44

Instrument :
MSVOA_X
ClientSampleId :
VX1211MBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	202.6	101.8	305.6

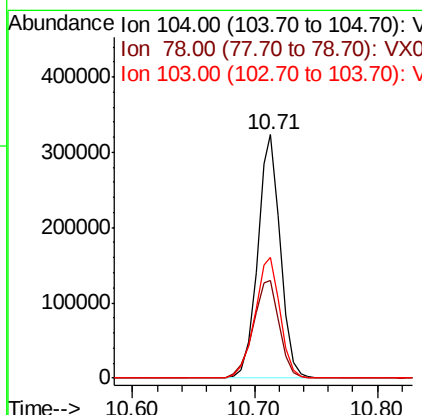
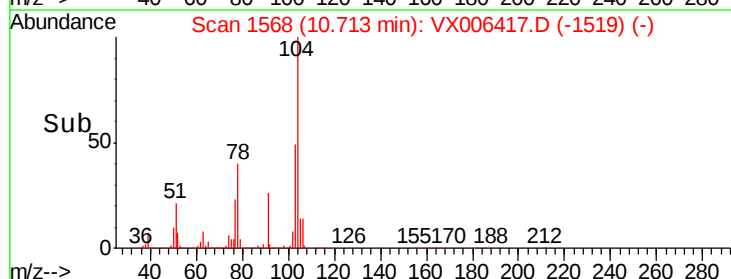
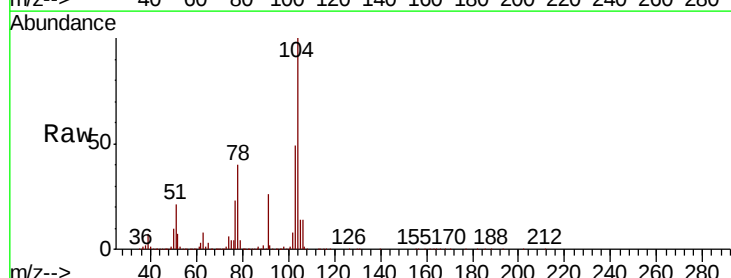
Manual Integrations
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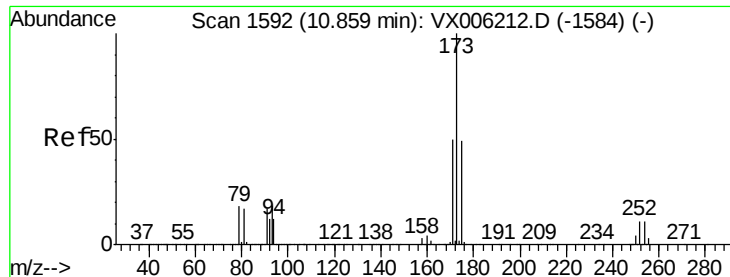
MMDadoda
12/12/2018 10:39:57 AM



#70
Styrene
Concen: 20.115 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006417.D
Acq: 11 Dec 2018 13:44

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.5	37.2	55.8
103	55.3	43.5	65.3





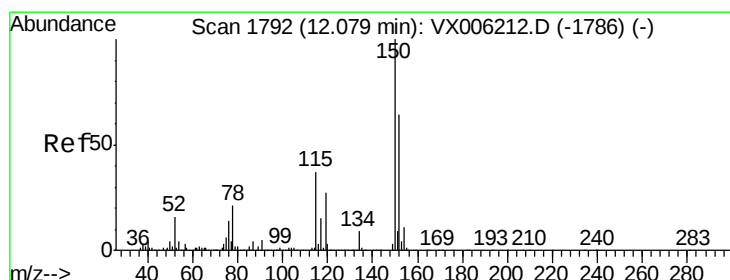
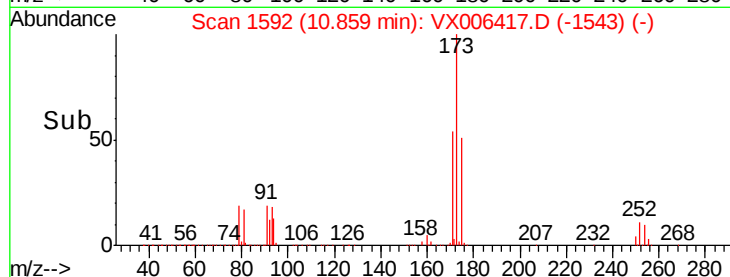
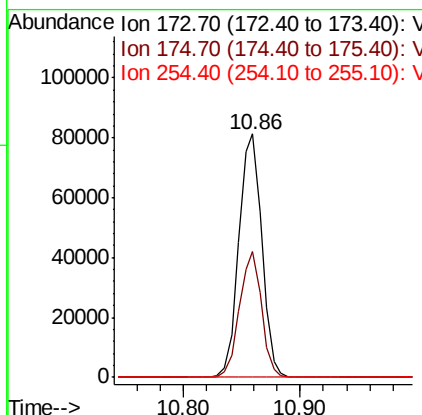
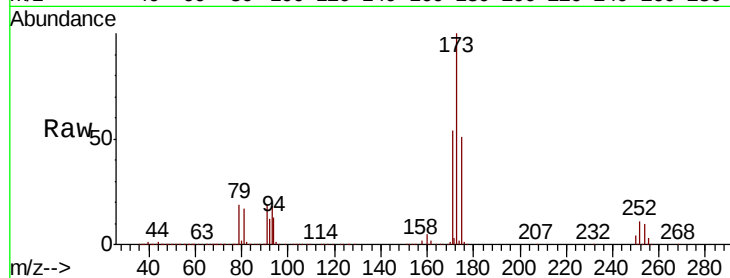
#71
Bromoform
Concen: 15.715 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX006417.D
Acq: 11 Dec 2018 13:44

Instrument :
MSVOA_X
ClientSampleId :
VX1211MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.6	73.8
254	0.2	0.2	0.2

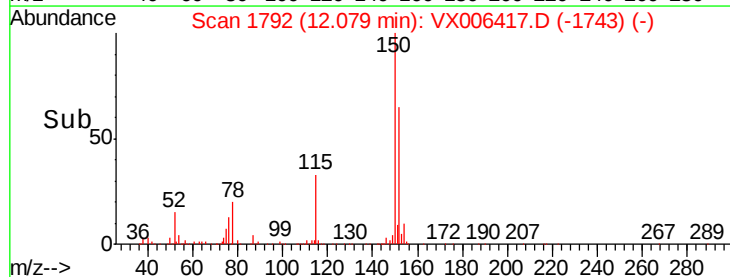
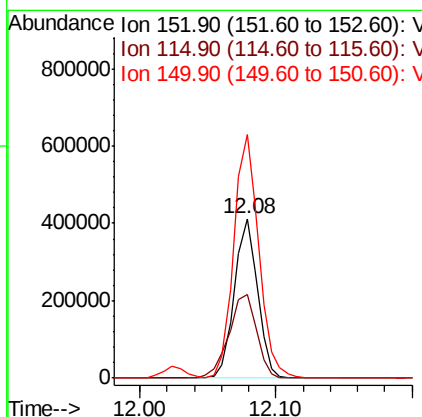
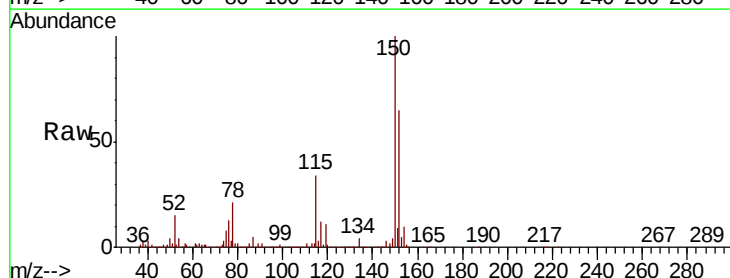
Manual Integrations
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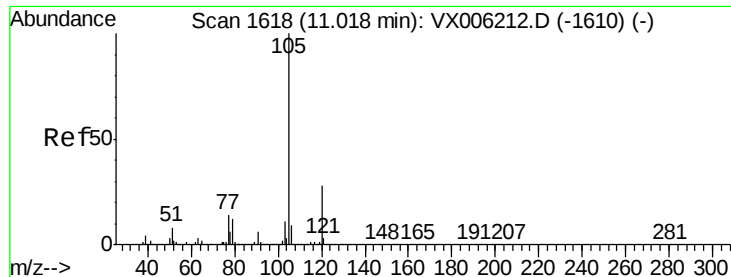
MMDadoda
12/12/2018 10:39:57 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006417.D
Acq: 11 Dec 2018 13:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.4	39.0	116.9
150	164.6	0.0	345.8





#73

Isopropylbenzene

Concen: 20.587 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006417.D

Acq: 11 Dec 2018 13:44

Instrument :

MSVOA_X

ClientSampleId :

VX1211MBS01

Tot Ion: 105 Resp: 691985

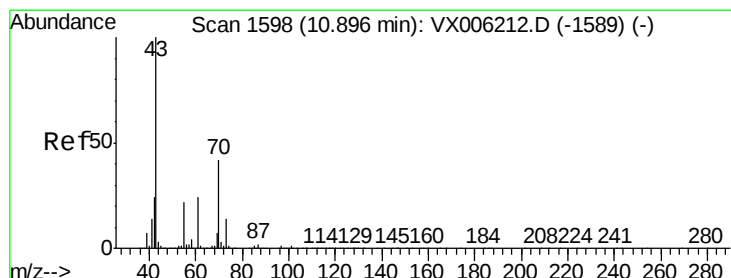
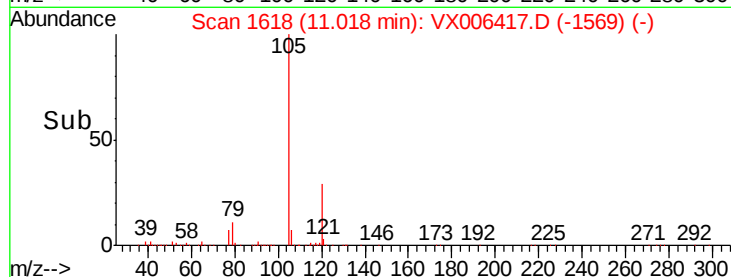
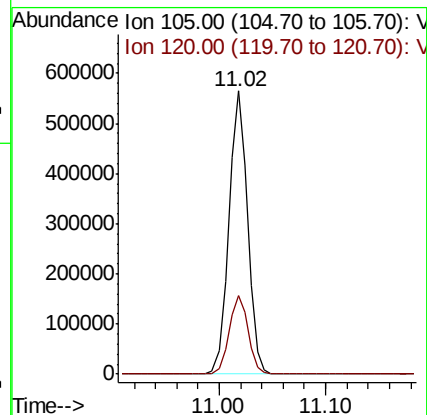
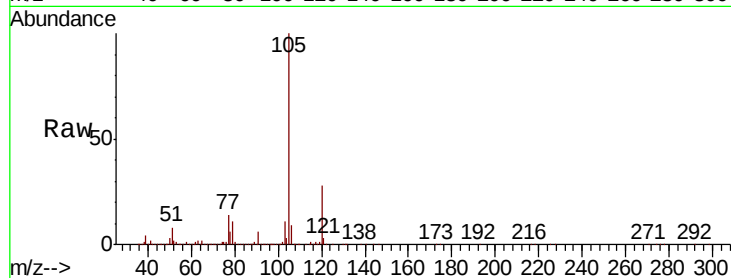
Ion Ratio Lower Upper

105 100

120 28.2 14.1 42.3

Manual Integrations
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MMDadoda
12/12/2018 10:39:57 AM



#74

N-ethyl acetate

Concen: 18.604 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006417.D

Acq: 11 Dec 2018 13:44

Tgt Ion: 43 Resp: 269284

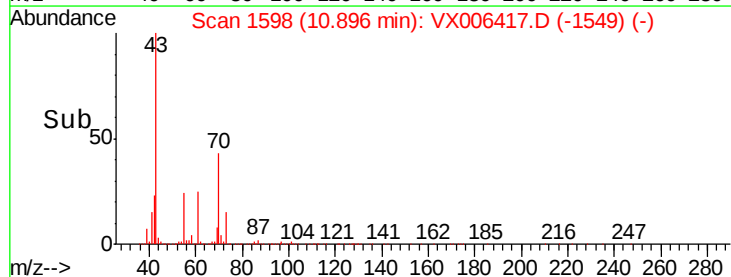
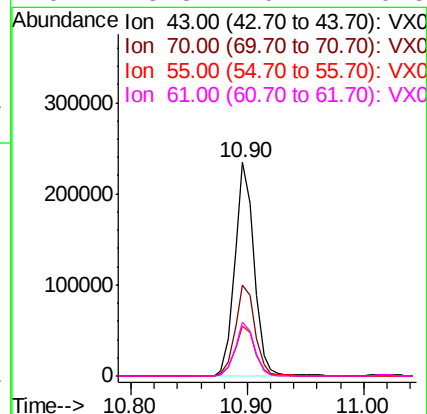
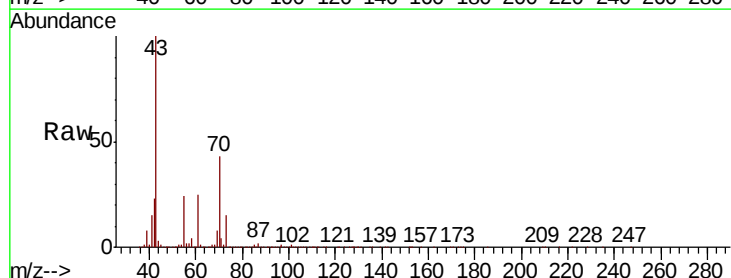
Ion Ratio Lower Upper

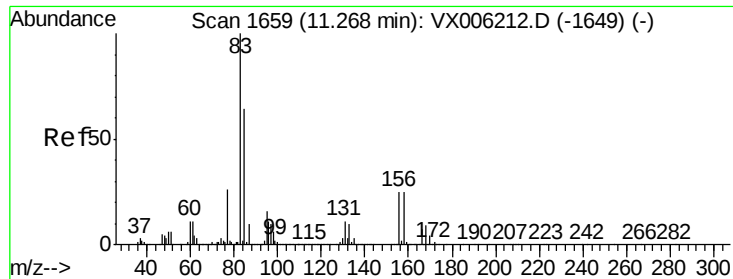
43 100

70 43.8 34.1 51.1

55 24.6 17.8 26.8

61 25.3 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.982 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006417.D

Acq: 11 Dec 2018 13:44

Instrument :

MSVOA_X

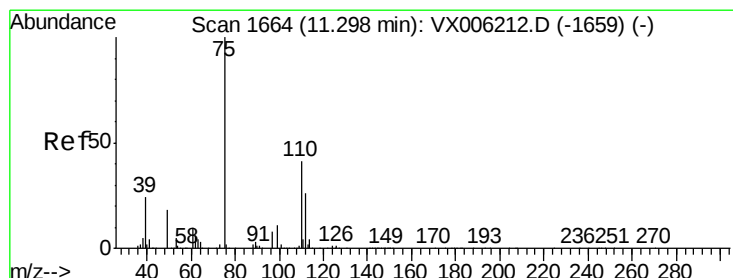
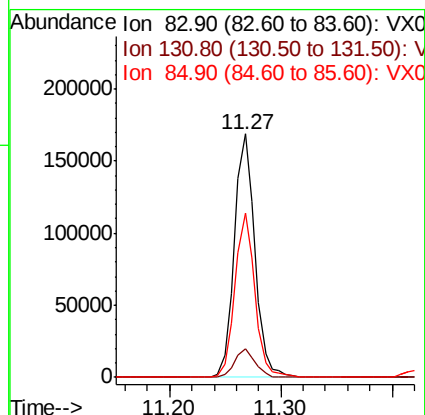
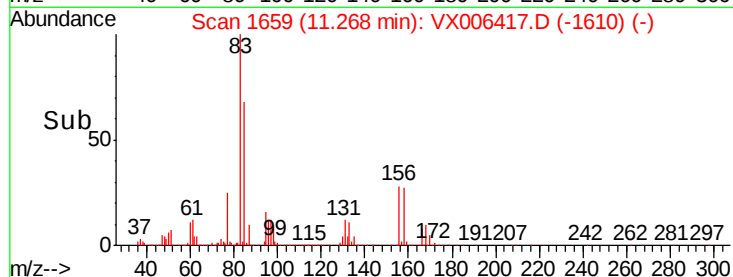
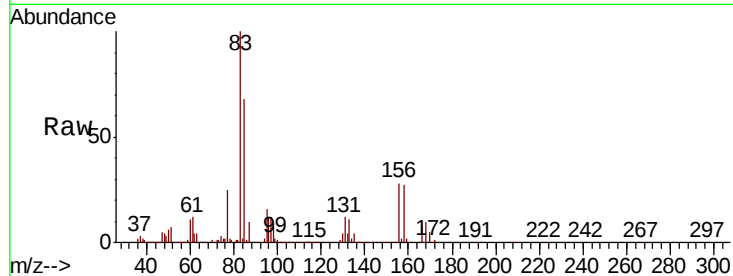
ClientSampleId :

VX1211MBS01

Tot Ion:	83	Resp:	214870
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.7	17.1
85	65.7	32.1	96.5

Manual Integrations
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MMDadoda
12/12/2018 10:39:57 AM



#76

1,2,3-Trichloropropane

Concen: 21.219 ug/l m

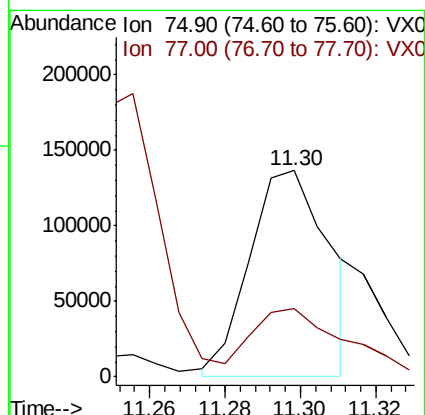
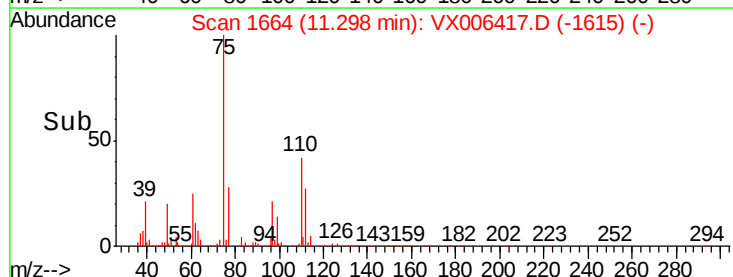
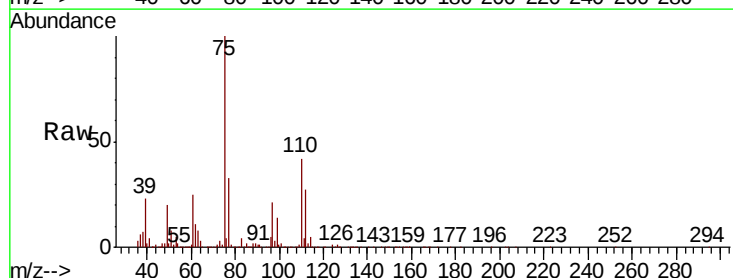
RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX006417.D

Acq: 11 Dec 2018 13:44

Tgt Ion:	75	Resp:	199338
Ion Ratio	Lower	Upper	
75	100		
77	38.9	19.9	59.7





#77

Bromobenzene

Concen: 20.484 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006417.D

Acq: 11 Dec 2018 13:44

Instrument :

MSVOA_X

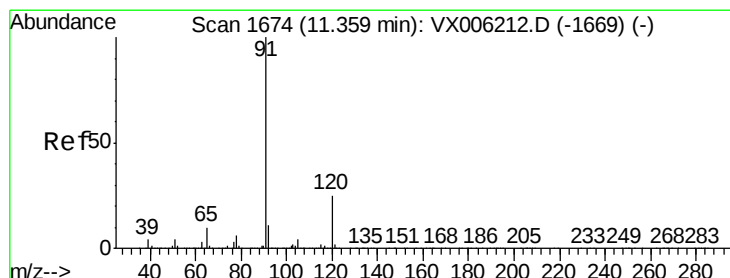
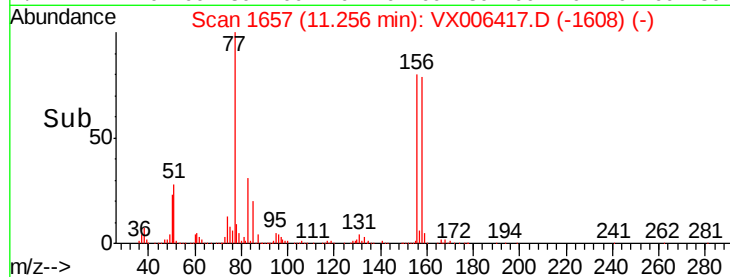
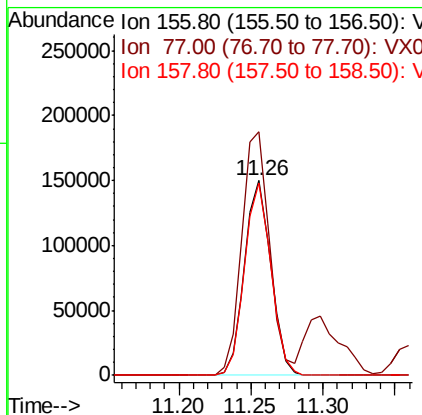
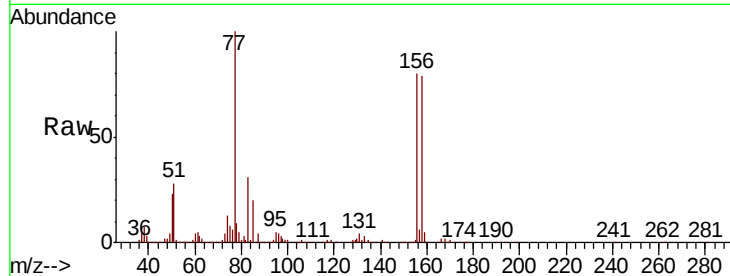
ClientSampleId :

VX1211MBS01

Tot Ion:	156	Resp:	191077
Ion Ratio	Lower	Upper	
156	100		
77	131.3	66.2	198.6
158	98.6	48.8	146.4

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#78

n-propylbenzene

Concen: 20.002 ug/l

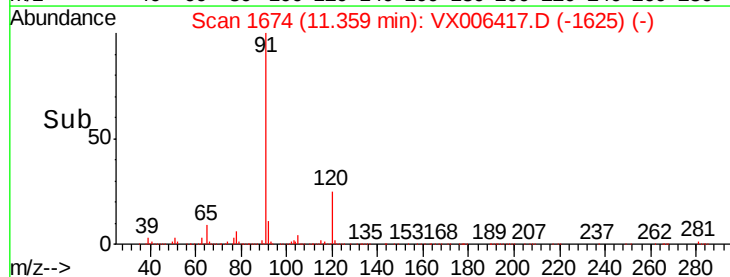
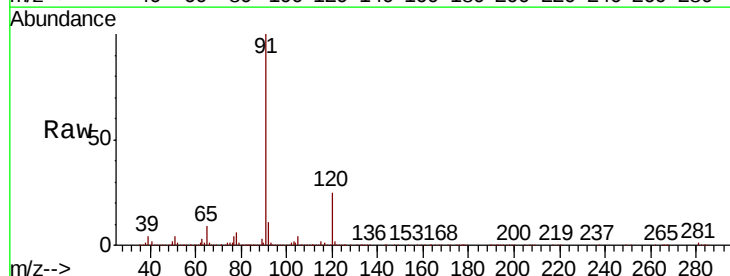
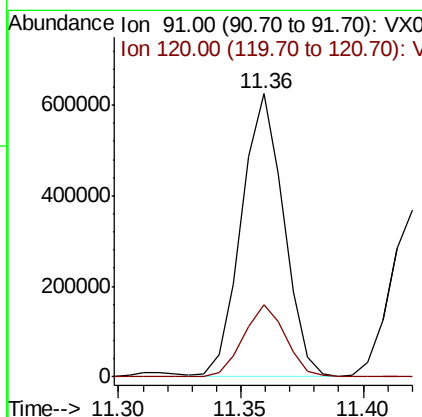
RT: 11.36 min Scan# 1674

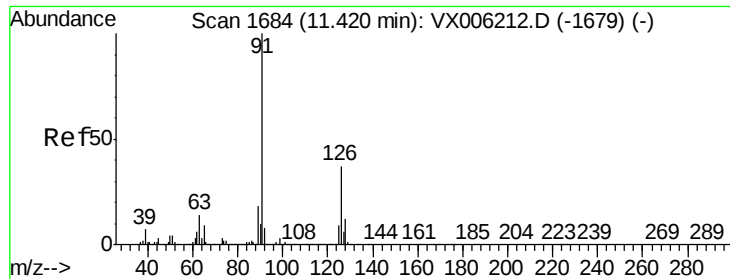
Delta R.T. 0.00 min

Lab File: VX006417.D

Acq: 11 Dec 2018 13:44

Tgt Ion:	91	Resp:	747349
Ion Ratio	Lower	Upper	
91	100		
120	25.5	12.7	38.0





#79

2-Chlorotoluene

Concen: 20.275 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006417.D

Acq: 11 Dec 2018 13:44

Instrument :

MSVOA_X

ClientSampleId :

VX1211MBS01

Tot Ion: 91 Resp: 450250

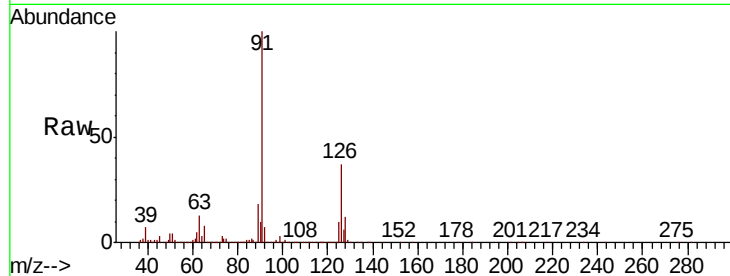
Ion Ratio Lower Upper

91 100

126 38.1 18.6 56.0

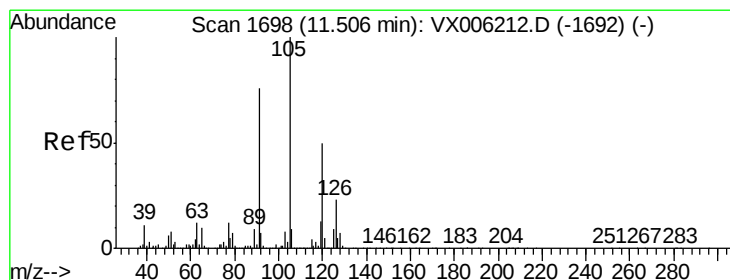
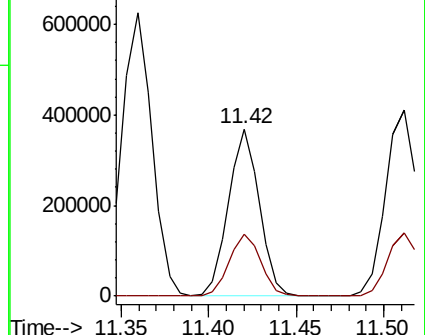
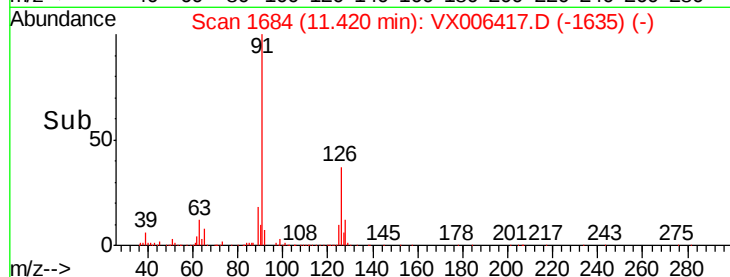
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Abundance Ion 91.00 (90.70 to 91.70): VX006417.D (-1635) (-)

Ion 125.90 (125.60 to 126.60): VX006417.D (-1635) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.199 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006417.D

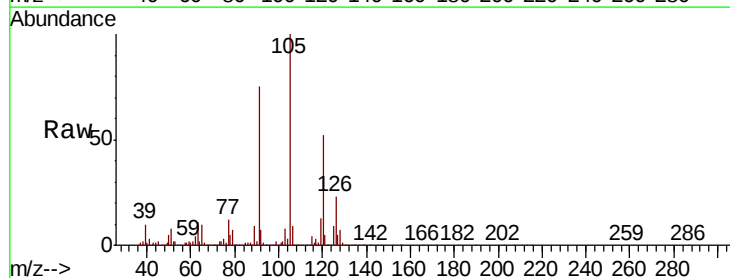
Acq: 11 Dec 2018 13:44

Tgt Ion: 105 Resp: 564897

Ion Ratio Lower Upper

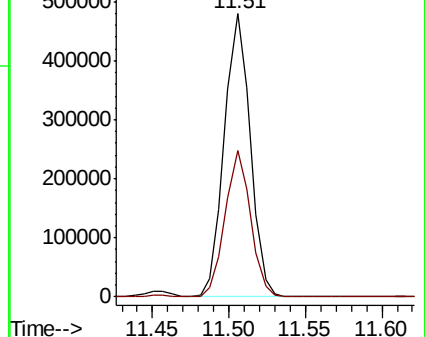
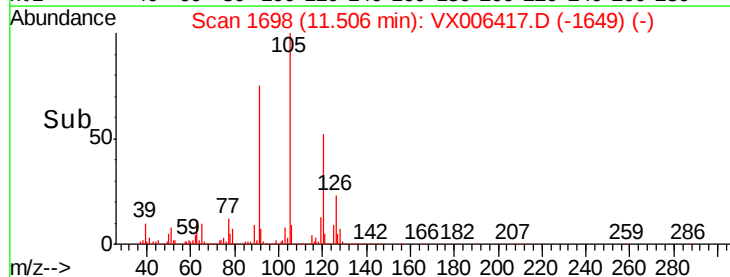
105 100

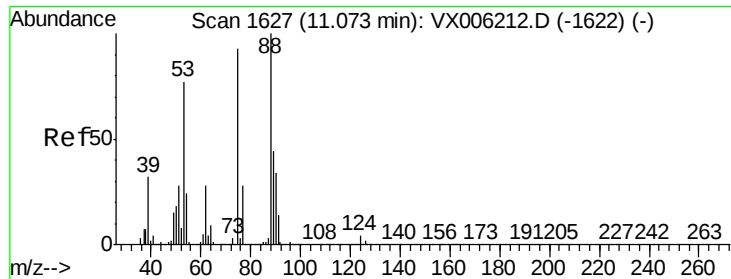
120 50.6 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VX006417.D (-1649) (-)

Ion 120.00 (119.70 to 120.70): VX006417.D (-1649) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 15.188 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006417.D

Acq: 11 Dec 2018 13:44

Instrument :

MSVOA_X

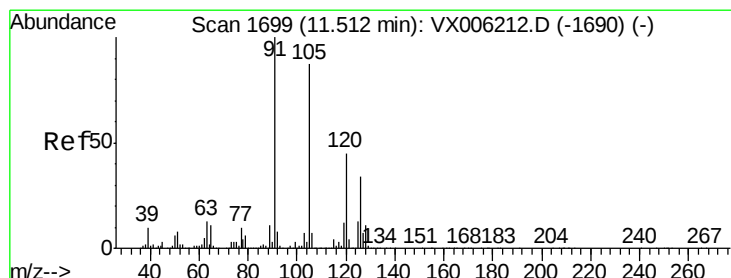
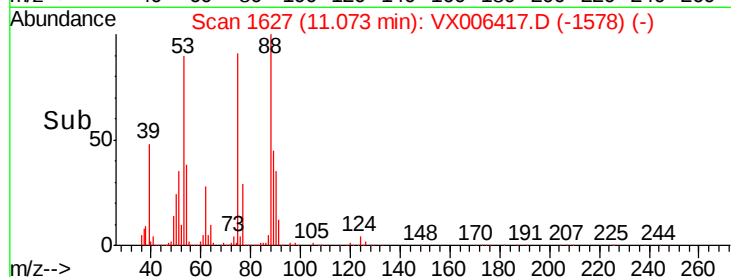
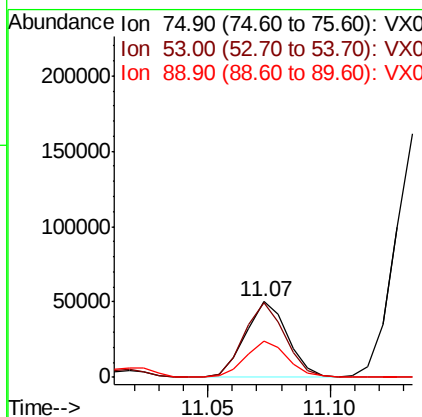
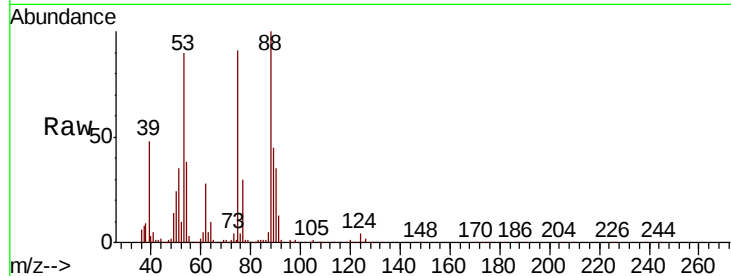
ClientSampleId :

VX1211MBS01

Tot Ion:	75	Resp:	60801
Ion Ratio	Lower	Upper	
75	100		
53	95.2	64.4	96.6
89	47.2	44.2	66.4

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#82

4-Chlorotoluene

Concen: 20.038 ug/l

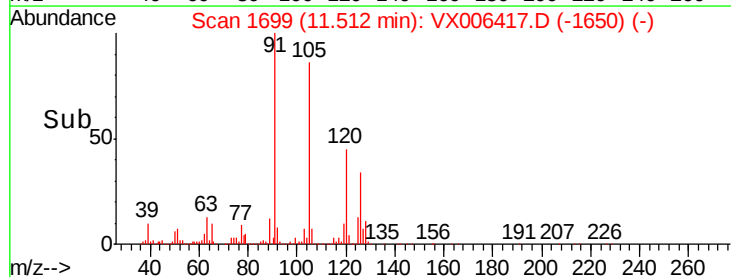
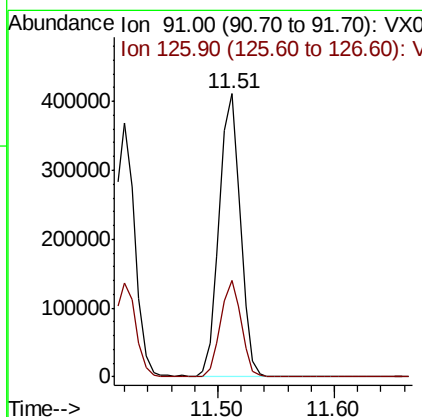
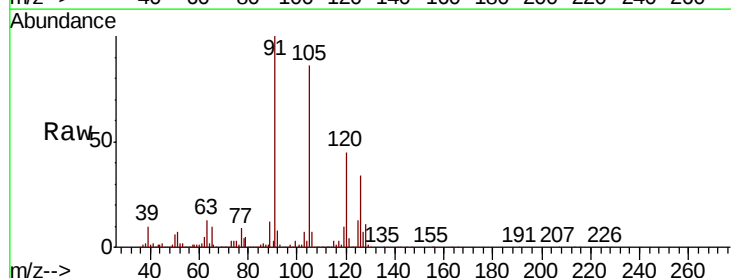
RT: 11.51 min Scan# 1699

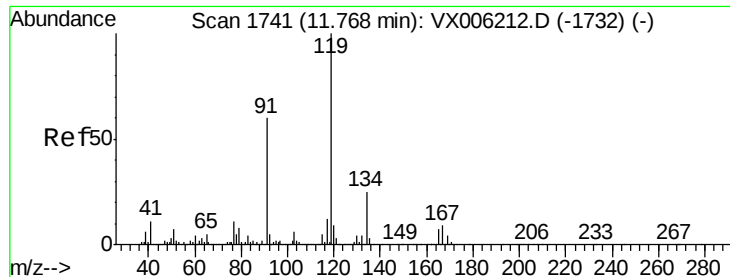
Delta R.T. 0.00 min

Lab File: VX006417.D

Acq: 11 Dec 2018 13:44

Tgt Ion:	91	Resp:	517366
Ion Ratio	Lower	Upper	
91	100		
126	33.1	16.4	49.4





#83

tert-Butylbenzene

Concen: 20.083 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX006417.D

Acq: 11 Dec 2018 13:44

Instrument :

MSVOA_X

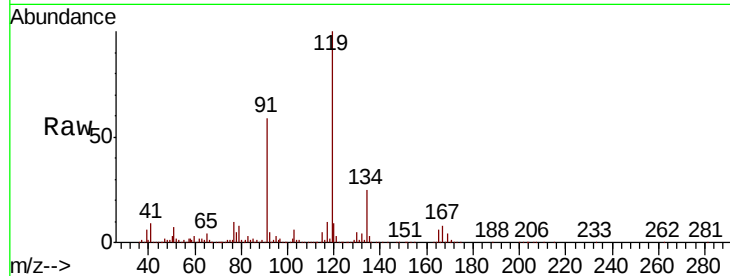
ClientSampleId :

VX1211MBS01

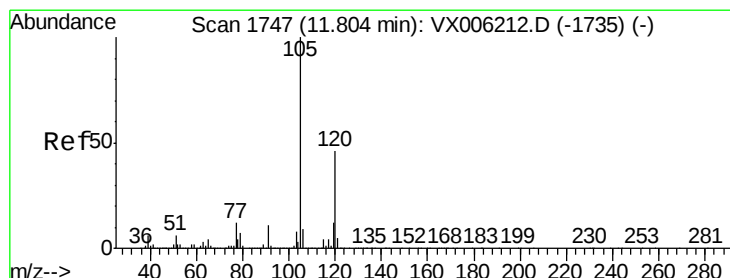
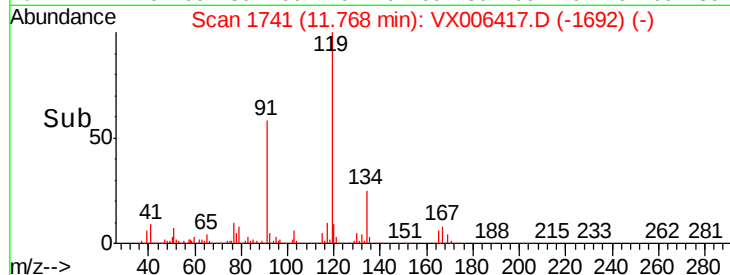
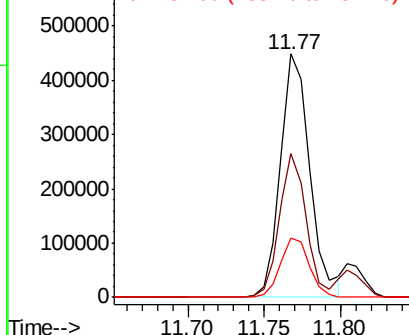
Tot Ion:	119	Resp:	599267
Ion Ratio	Lower	Upper	
119	100		
91	53.7	26.4	79.2
134	24.0	11.6	34.7

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.875 ug/l

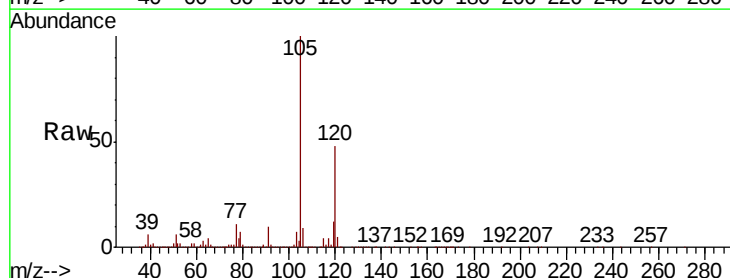
RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

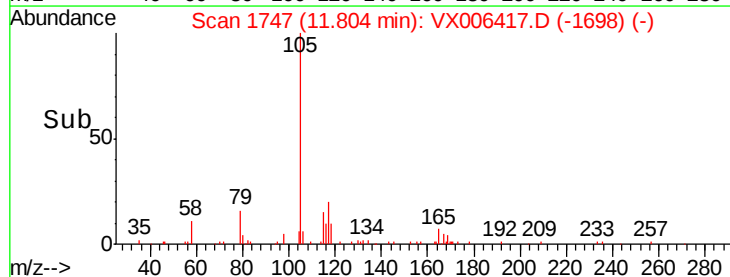
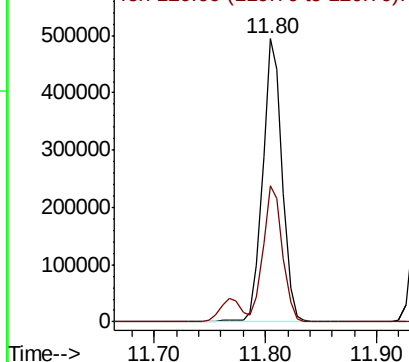
Lab File: VX006417.D

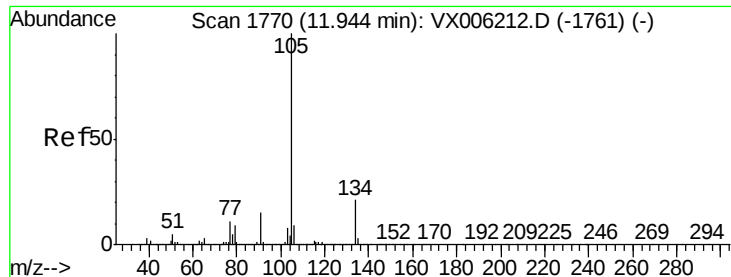
Acq: 11 Dec 2018 13:44

Tgt Ion:	105	Resp:	602818
Ion Ratio	Lower	Upper	
105	100		
120	47.7	23.4	70.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.395 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006417.D

Acq: 11 Dec 2018 13:44

Instrument :

MSVOA_X

ClientSampleId :

VX1211MBS01

Tot Ion:105 Resp: 692335

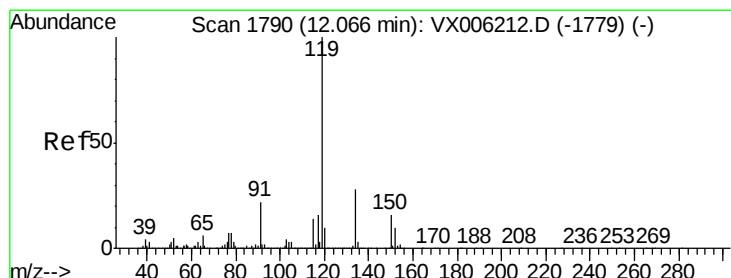
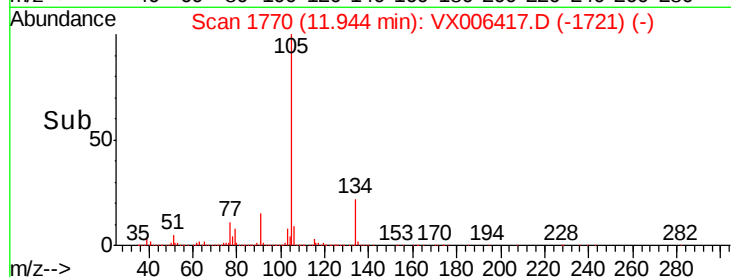
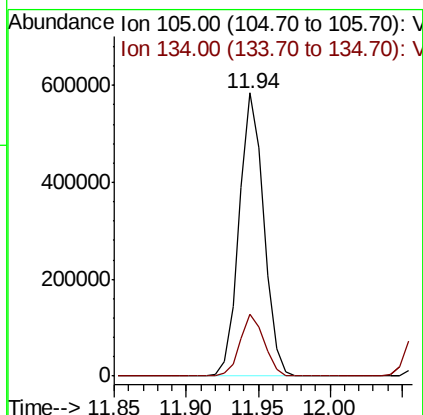
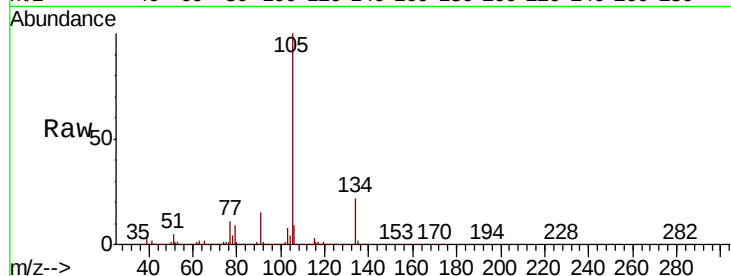
Ion Ratio Lower Upper

105 100

134 21.6 10.8 32.4

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#86

p-Isopropyltoluene

Concen: 20.517 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.01 min

Lab File: VX006417.D

Acq: 11 Dec 2018 13:44

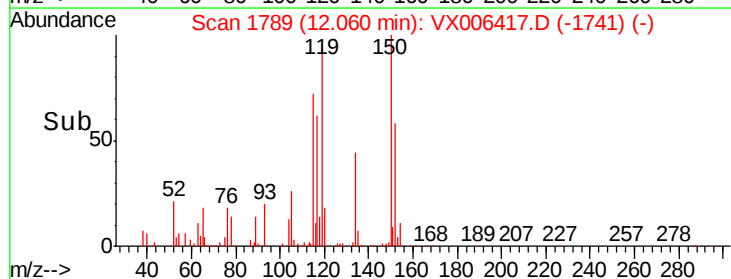
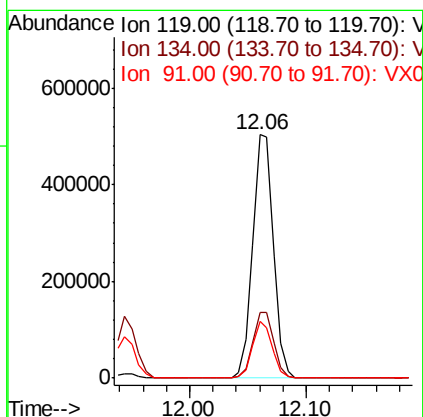
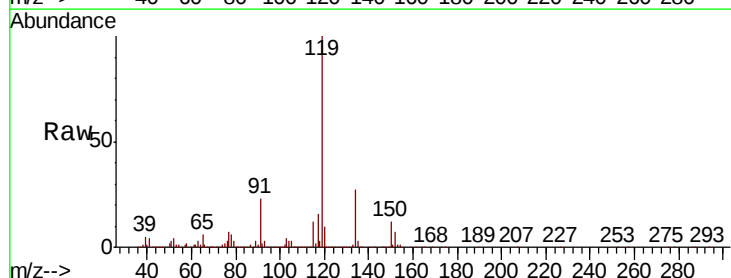
Tgt Ion:119 Resp: 627154

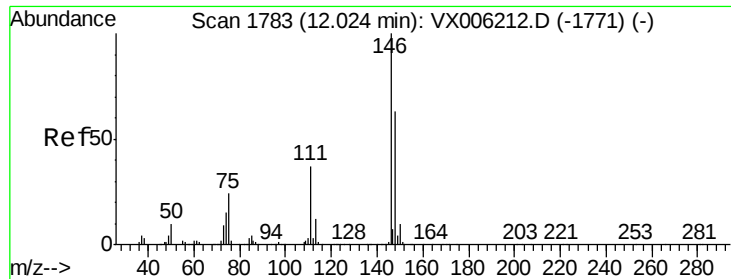
Ion Ratio Lower Upper

119 100

134 27.3 13.9 41.6

91 22.2 11.3 33.8





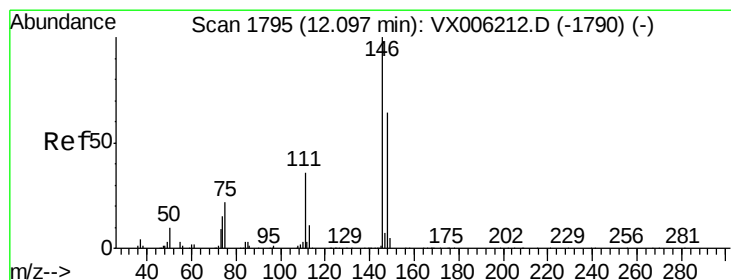
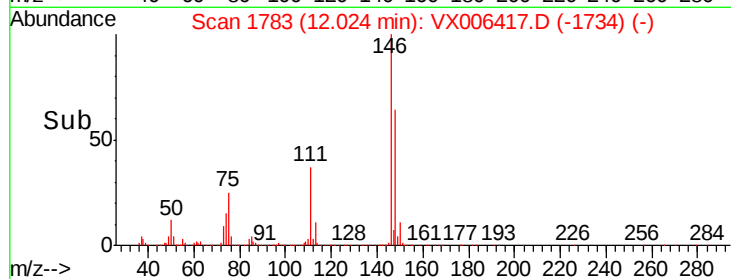
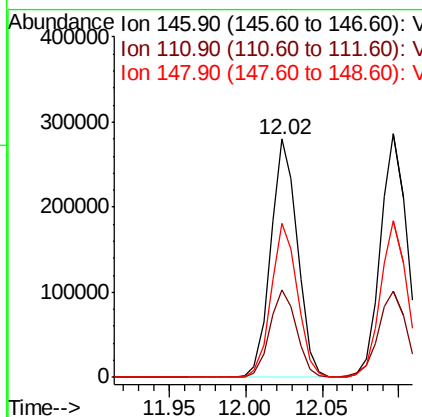
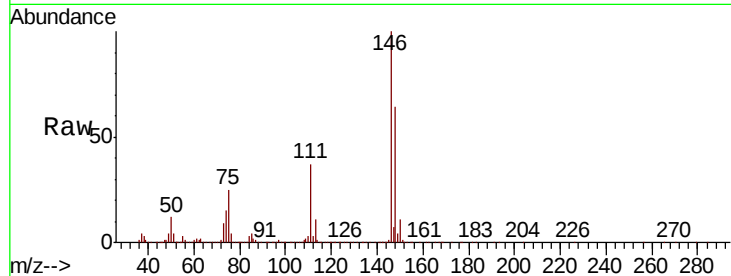
#87
 1,3-Dichlorobenzene
 Concen: 20.524 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX006417.D
 Acq: 11 Dec 2018 13:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1211MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.4	55.2
148	63.7	32.0	96.0

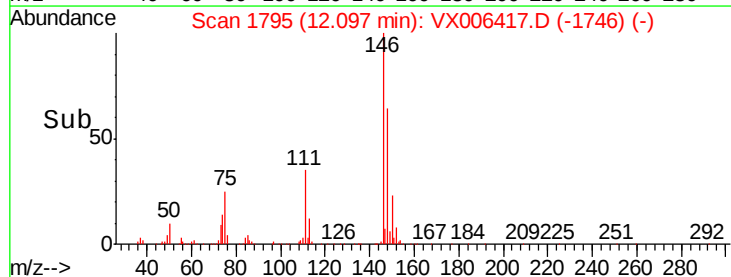
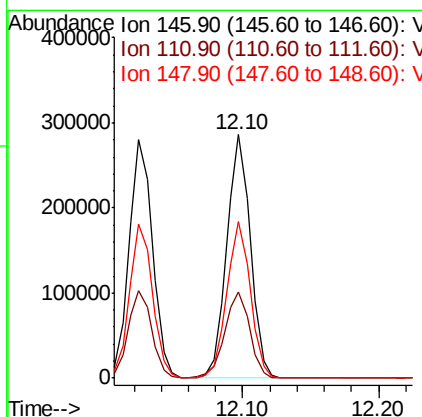
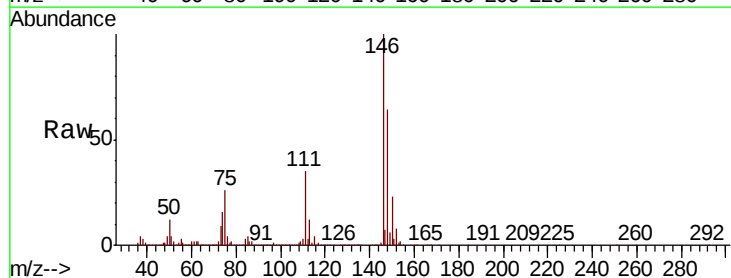
Manual Integrations
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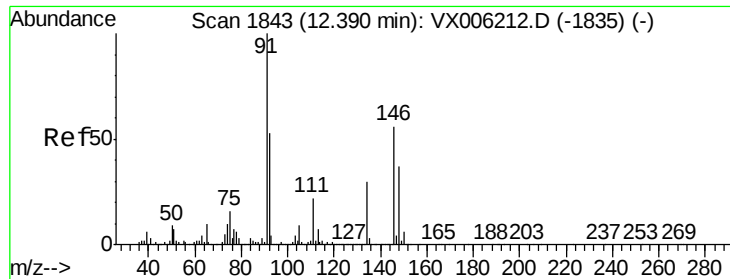
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#88
 1,4-Dichlorobenzene
 Concen: 20.348 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006417.D
 Acq: 11 Dec 2018 13:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.3	54.8
148	63.8	31.9	95.9





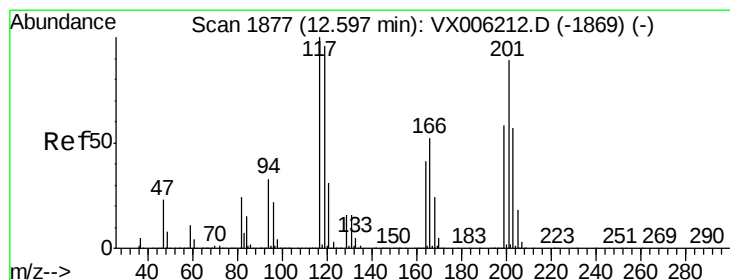
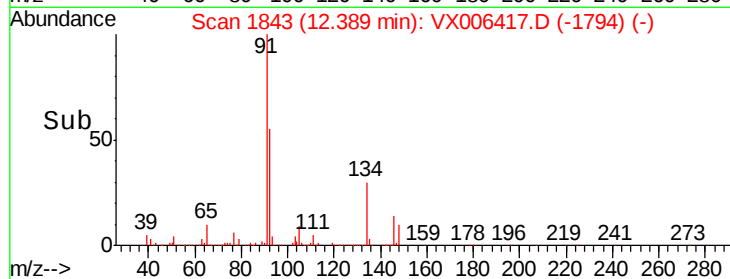
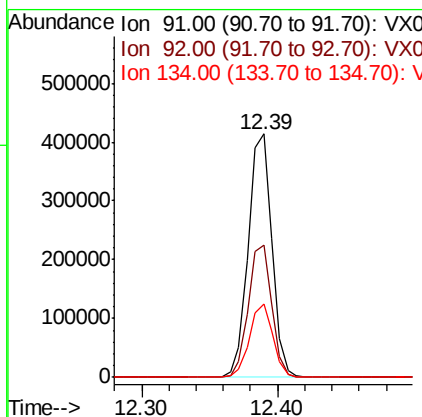
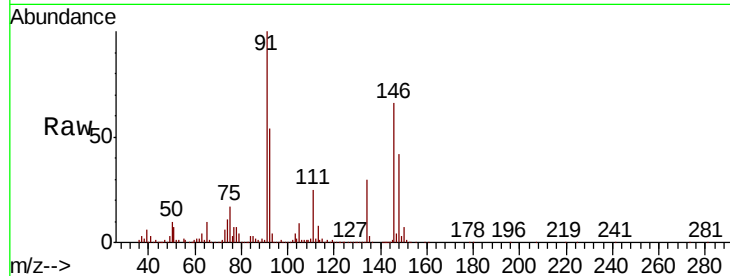
#89
n-Butylbenzene
Concen: 19.371 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006417.D
Acq: 11 Dec 2018 13:44

Instrument :
MSVOA_X
ClientSampleId :
VX1211MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	26.6	79.8
134	29.9	14.8	44.3

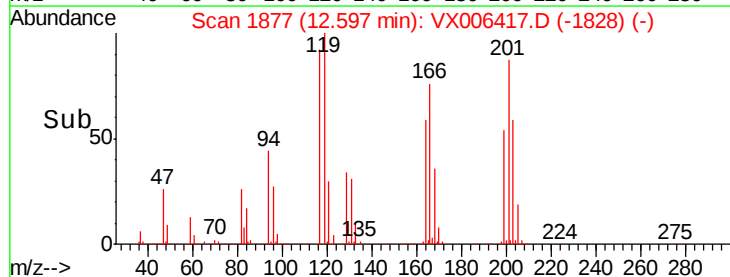
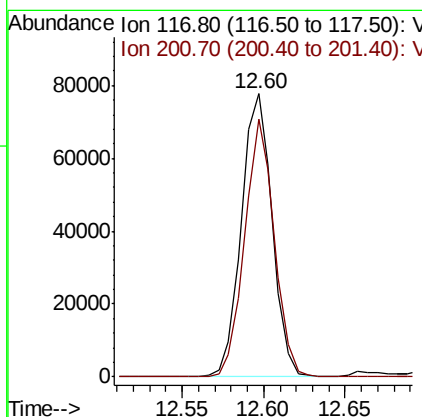
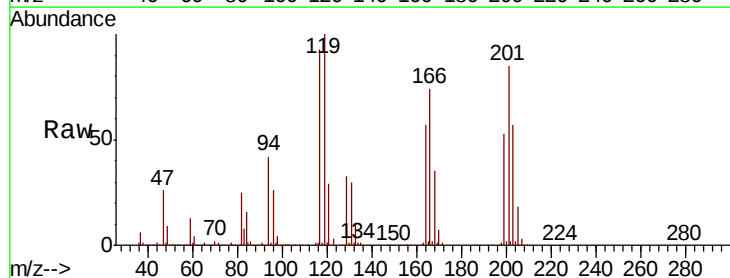
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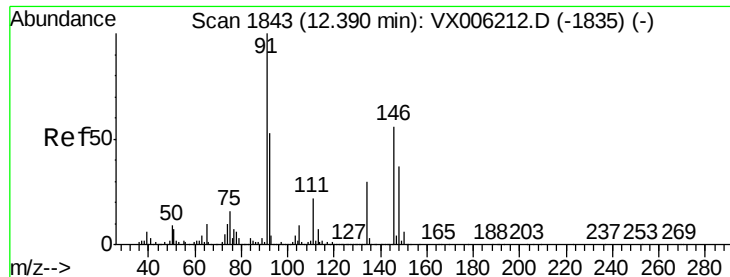
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#90
Hexachloroethane
Concen: 16.438 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006417.D
Acq: 11 Dec 2018 13:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.4	44.7	134.1





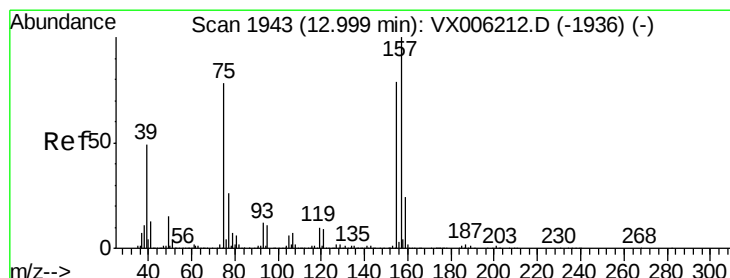
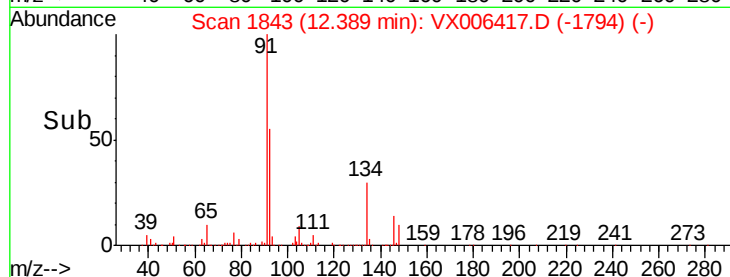
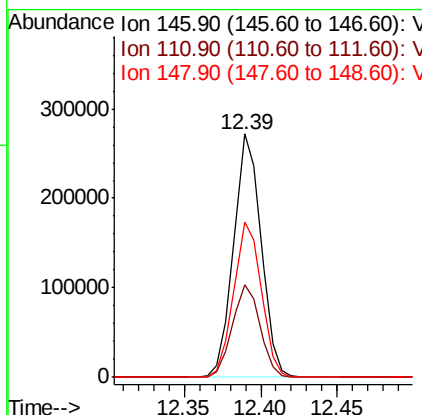
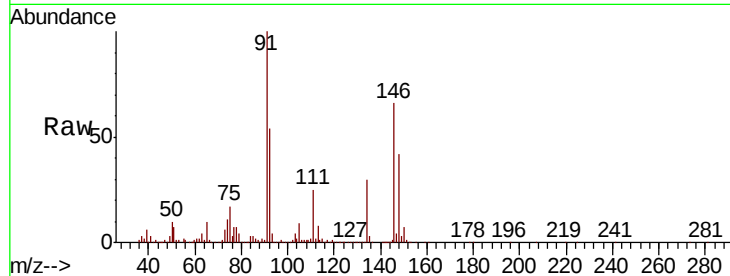
#91
1,2-Dichlorobenzene
Concen: 20.530 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006417.D
Acq: 11 Dec 2018 13:44

Instrument :
MSVOA_X
ClientSampleId :
VX1211MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.3
148	64.8	32.1	96.3

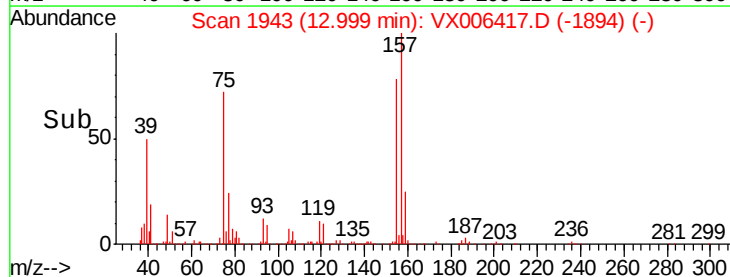
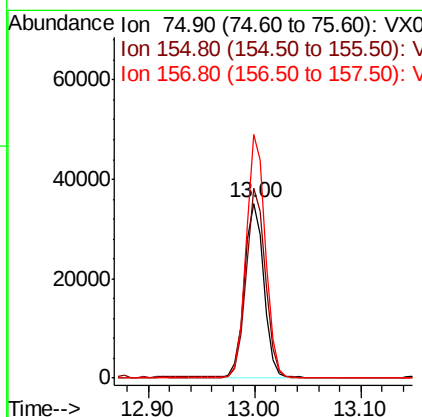
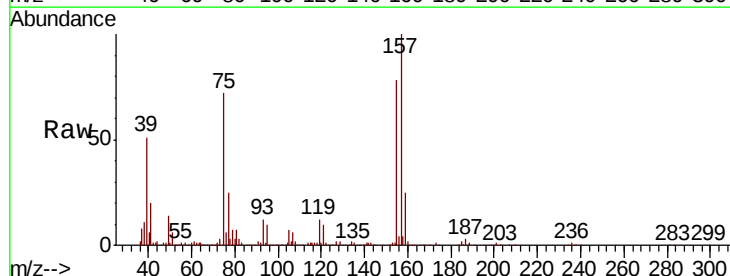
Manual Integrations
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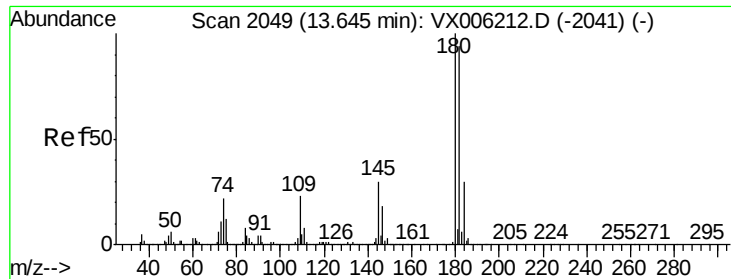
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#92
1,2-Dibromo-3-Chloropropane
Concen: 16.602 ug/l
RT: 13.00 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VX006417.D
Acq: 11 Dec 2018 13:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.3	53.4	160.3
157	135.9	68.0	203.8





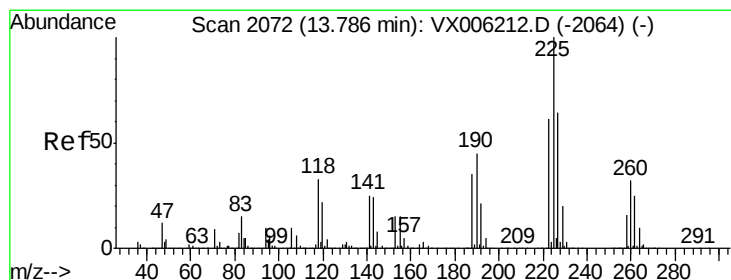
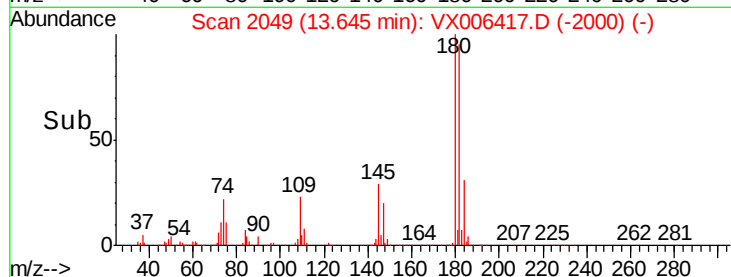
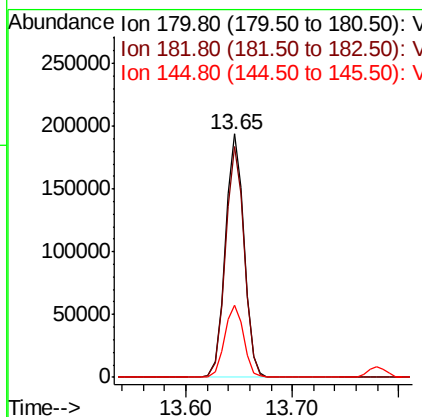
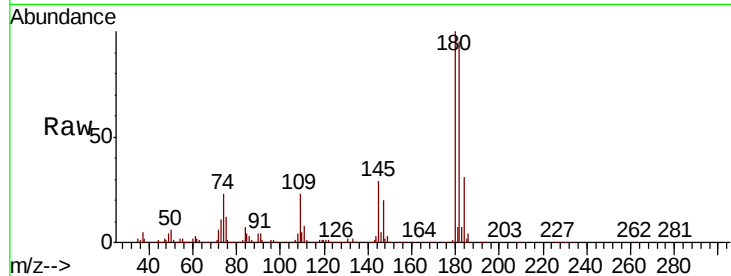
#93
 1,2,4-Trichlorobenzene
 Concen: 19.826 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006417.D
 Acq: 11 Dec 2018 13:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1211MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	238270		
182	95.2	47.3	141.9	
145	29.8	14.6	43.8	

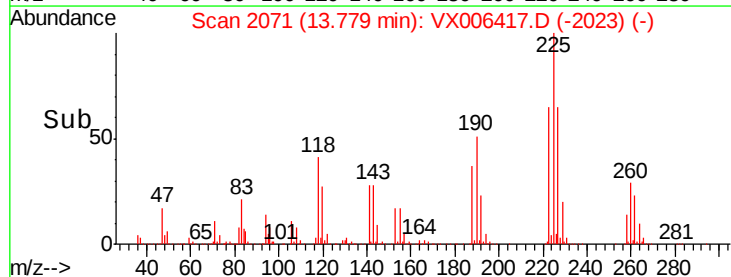
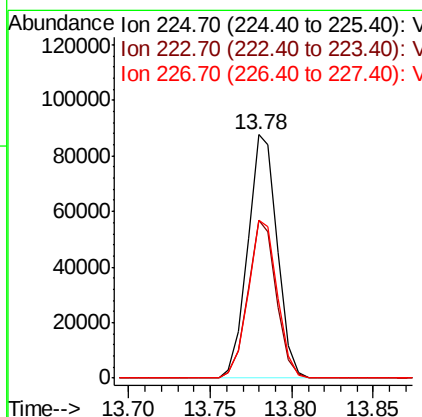
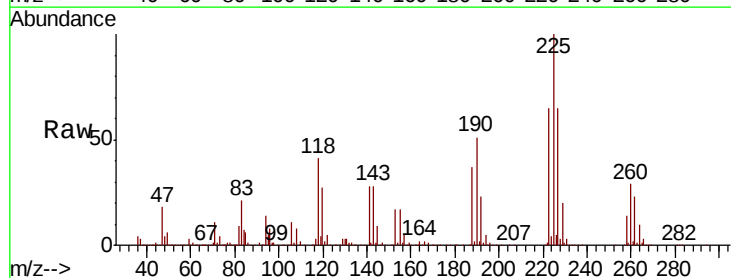
Manual Integrations
 APPROVED

MMDadoda
 12/12/2018 10:39:57 AM



#94
 Hexachlorobutadiene
 Concen: 20.771 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX006417.D
 Acq: 11 Dec 2018 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	110392		
223	62.4	31.2	93.6	
227	63.8	31.9	95.5	





#95

Naphthalene

Concen: 20.154 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006417.D

Acq: 11 Dec 2018 13:44

Instrument :

MSVOA_X

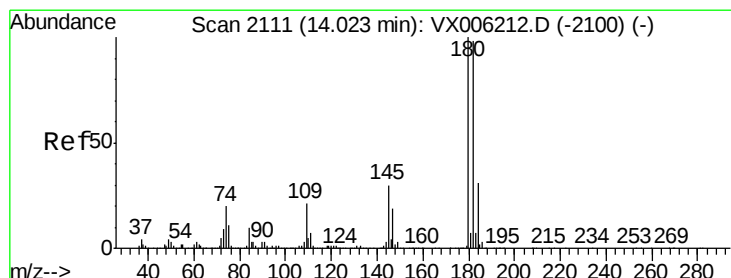
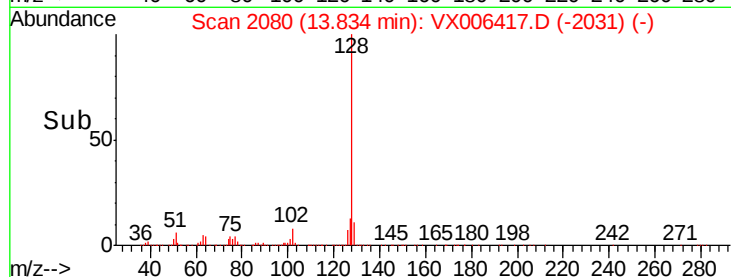
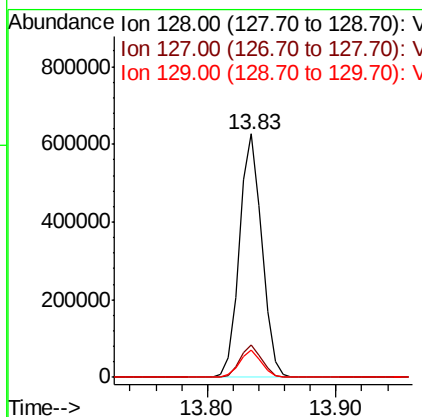
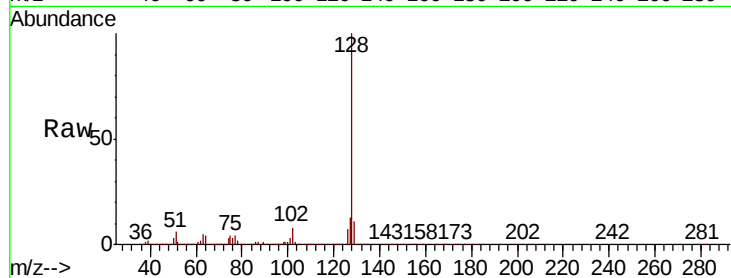
ClientSampleId :

VX1211MBS01

Tot Ion:	128	Resp:	753408
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.2	15.4
129	11.1	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
12/12/2018 10:39:57 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.242 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX006417.D

Acq: 11 Dec 2018 13:44

Tgt Ion:	180	Resp:	240946
Ion Ratio	Lower	Upper	
180	100		
182	95.2	48.4	145.2
145	31.3	15.6	46.8

