

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021919\
 Data File : VX007604.D
 Acq On : 19 Feb 2019 11:10
 Operator : JC/SP
 Sample : VX0219WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0219WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/20/2019 10:33:01 AM

Quant Time: Feb 20 04:14:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	411949	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	620091	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	570223	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	287610	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	214796	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
35) Dibromofluoromethane	5.51	113	198878	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
50) Toluene-d8	8.71	98	713235	47.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.30%	
62) 4-Bromofluorobenzene	11.13	95	252795	46.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	82353	16.388	ug/l	97
3) Chloromethane	1.33	50	77410	16.683	ug/l	98
4) Vinyl Chloride	1.41	62	84188	18.495	ug/l	97
5) Bromomethane	1.64	94	74781	16.284	ug/l	94
6) Chloroethane	1.72	64	51609	17.526	ug/l	99
7) Trichlorofluoromethane	1.93	101	131268	18.434	ug/l	100
8) Diethyl Ether	2.19	74	47650	17.779	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	73130	17.265	ug/l	97
10) Methyl Iodide	2.51	142	96274	15.451	ug/l	98
11) Tert butyl alcohol	3.07	59	92110	101.791	ug/l #	95
12) 1,1-Dichloroethene	2.38	96	68355	17.379	ug/l	96
13) Acrolein	2.30	56	43320	102.091	ug/l	98
14) Allyl chloride	2.73	41	114724	17.901	ug/l	98
15) Acrylonitrile	3.15	53	214913	96.007	ug/l	99
16) Acetone	2.45	43	198116	98.913	ug/l	97
17) Carbon Disulfide	2.57	76	147342	15.839	ug/l	100
18) Methyl Acetate	2.78	43	117655	22.871	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	235782	18.503	ug/l	97
20) Methylene Chloride	2.86	84	77727	18.753	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	69554	16.600	ug/l	94
22) Diisopropyl ether	3.87	45	231628	19.649	ug/l	96
23) Vinyl Acetate	3.82	43	947449	96.852	ug/l	99
24) 1,1-Dichloroethane	3.70	63	129822	19.176	ug/l	99
25) 2-Butanone	4.70	43	298716	104.798	ug/l	99
26) 2,2-Dichloropropane	4.58	77	96219	18.663	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	83153	18.170	ug/l	98
28) Bromochloromethane	5.02	49	59999	19.272	ug/l	96
29) Tetrahydrofuran	5.15	42	187132	104.385	ug/l	99
30) Chloroform	5.21	83	139526	19.751	ug/l	95
31) Cyclohexane	5.58	56	102222	16.812	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	115108	19.304	ug/l	99
36) 1,1-Dichloropropene	5.80	75	94249	16.940	ug/l	99
37) Ethyl Acetate	4.85	43	107771	19.162	ug/l	98
38) Carbon Tetrachloride	5.78	117	100939	18.701	ug/l	99

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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)
39) Methylcyclohexane	7.46	83	107649	15.992	ug/l	98
40) Benzene	6.15	78	300681	18.347	ug/l	99
41) Methacrylonitrile	5.06	41	59580	19.766	ug/l	98
42) 1,2-Dichloroethane	6.20	62	105968	18.688	ug/l	99
43) Isopropyl Acetate	6.46	43	168786	19.443	ug/l	99
44) Trichloroethene	7.21	130	87156	17.657	ug/l	87
45) 1,2-Dichloropropane	7.51	63	76763	18.694	ug/l	99
46) Dibromomethane	7.66	93	54711	18.332	ug/l	97
47) Bromodichloromethane	7.90	83	97181	19.213	ug/l	98
48) Methyl methacrylate	7.77	41	85316	19.648	ug/l	99
49) 1,4-Dioxane	7.75	88	40749	416.687	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	578569	101.241	ug/l	99
52) Toluene	8.78	92	194009	18.348	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	99920	18.391	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	112040	18.752	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	85842	19.476	ug/l	98
56) Ethyl methacrylate	9.18	69	112373	18.408	ug/l	99
57) 1,3-Dichloropropane	9.37	76	131980	18.829	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	324959	100.992	ug/l	99
59) 2-Hexanone	9.49	43	441958	99.382	ug/l	100
60) Dibromochloromethane	9.58	129	82563	19.806	ug/l	98
61) 1,2-Dibromoethane	9.67	107	87819	18.814	ug/l	99
64) Tetrachloroethene	9.34	164	87673	16.313	ug/l	96
65) Chlorobenzene	10.14	112	224732	18.060	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	80871	19.385	ug/l	98
67) Ethyl Benzene	10.25	91	359099	17.920	ug/l	99
68) m/p-Xylenes	10.36	106	285546	35.848	ug/l	99
69) o-Xylene	10.69	106	138727	18.099	ug/l	99
70) Styrene	10.71	104	223061	17.944	ug/l	99
71) Bromoform	10.86	173	60630	19.264	ug/l	99
73) Isopropylbenzene	11.02	105	372373	19.052	ug/l	99
74) N-amyl acetate	10.90	43	145612	19.262	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	123217	20.686	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	101542m	18.151	ug/l	
77) Bromobenzene	11.26	156	102593	18.630	ug/l	98
78) n-propylbenzene	11.36	91	409265	19.096	ug/l	100
79) 2-Chlorotoluene	11.42	91	246851	18.982	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	304784	19.061	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	31020	19.918	ug/l	94
82) 4-Chlorotoluene	11.51	91	280794	18.660	ug/l	100
83) tert-Butylbenzene	11.77	119	300934	19.009	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	307401	18.936	ug/l	99
85) sec-Butylbenzene	11.94	105	366874	19.148	ug/l	100
86) p-Isopropyltoluene	12.06	119	324021	18.734	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	178809	18.093	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	178310	17.784	ug/l	98
89) n-Butylbenzene	12.38	91	268462	18.043	ug/l	99
90) Hexachloroethane	12.60	117	51096	19.739	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	180945	18.397	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	23785	19.204	ug/l	96

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Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	117108	17.656	ug/l	100
94) Hexachlorobutadiene	13.78	225	57066	17.718	ug/l	97
95) Naphthalene	13.83	128	356617	18.386	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	120516	18.051	ug/l	100

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

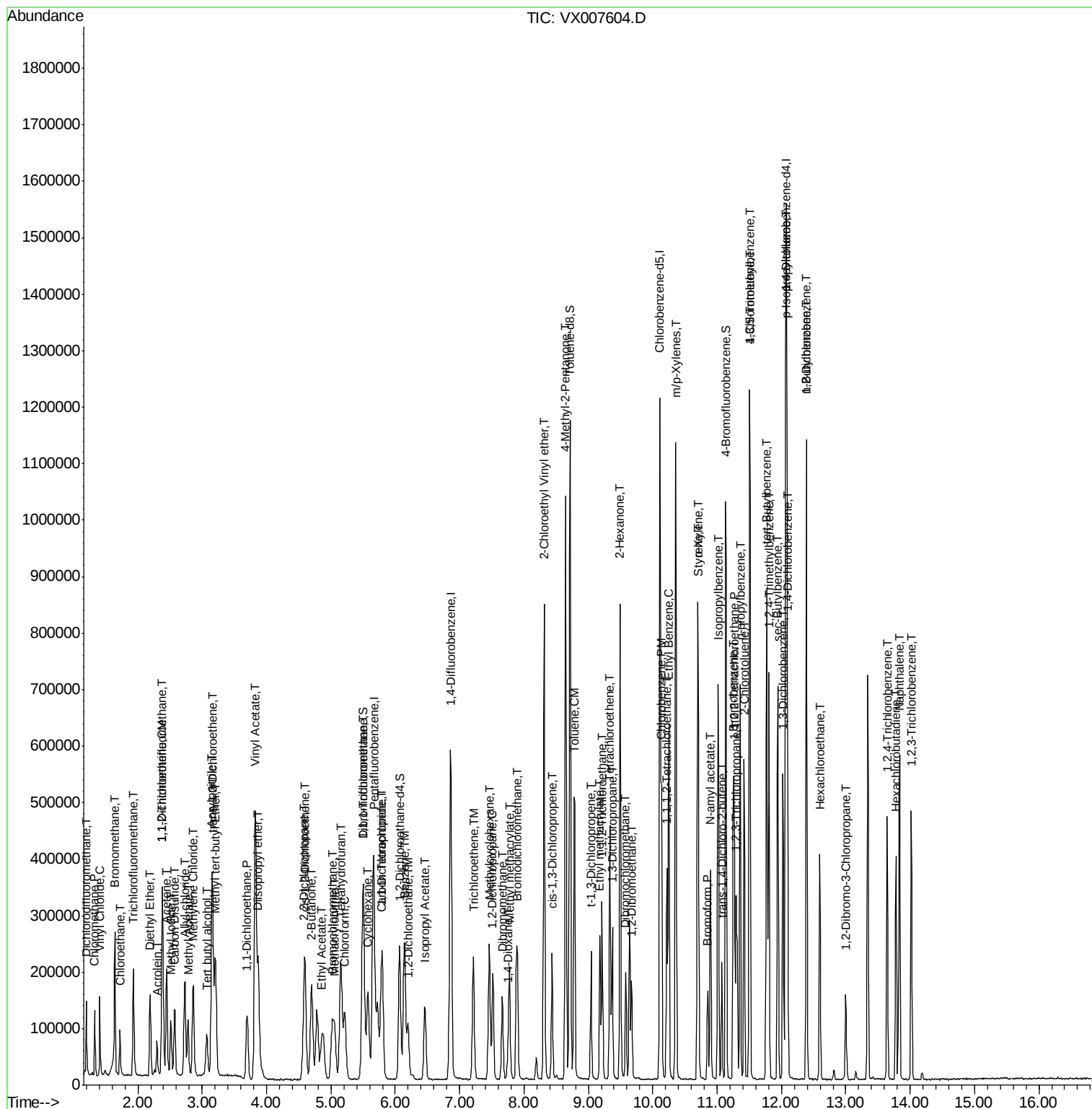
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Data File : VX007604.D
Acq On : 19 Feb 2019 11:10
Operator : JC/SP
Sample : VX0219WBS01
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ALS Vial : 5 Sample Multiplier: 1

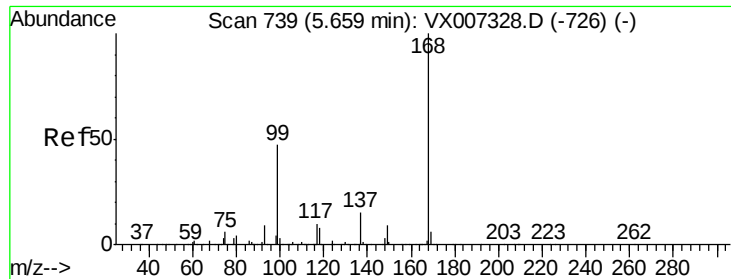
Instrument :
MSVOA_X
Client Sampled :
VX0219WBS01

Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA_X

ClientSampleId :

VX0219WBS01

Tot Ion:168 Resp: 411949

Ion Ratio Lower Upper

168 100

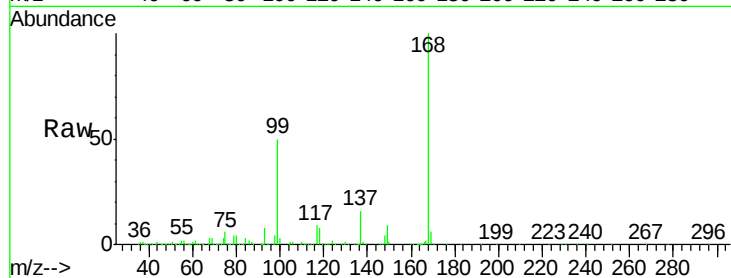
99 49.8 37.9 56.9

Manual Integrations

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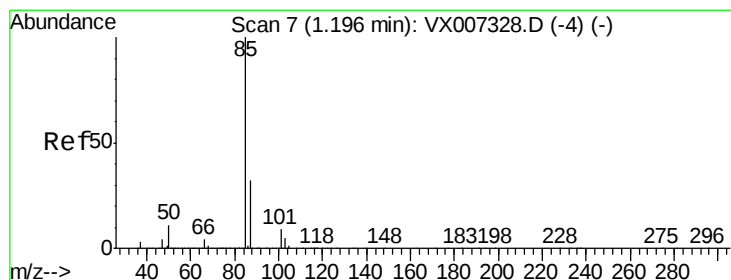
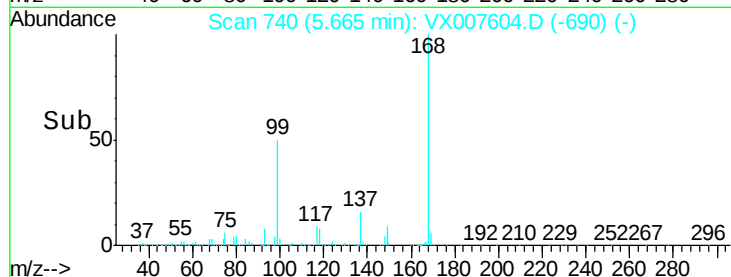
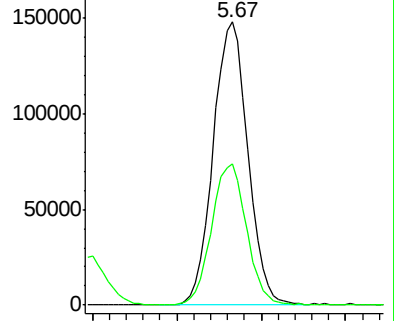
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 16.388 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007604.D

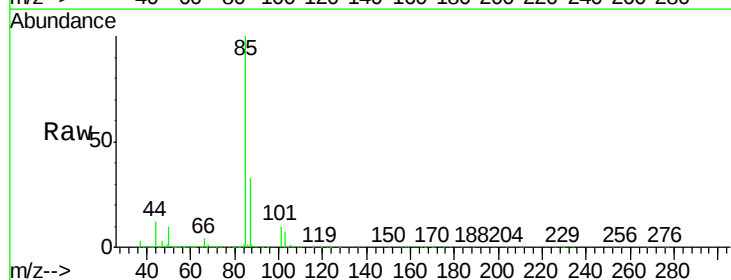
Acq: 19 Feb 2019 11:10

Tgt Ion: 85 Resp: 82353

Ion Ratio Lower Upper

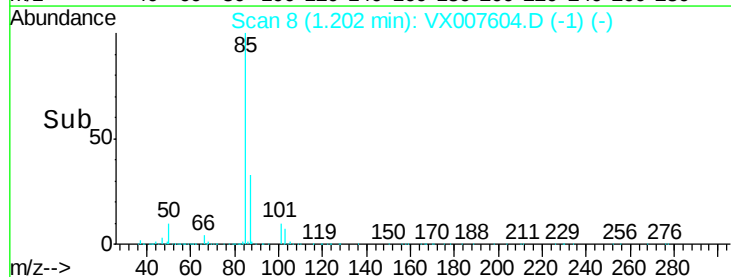
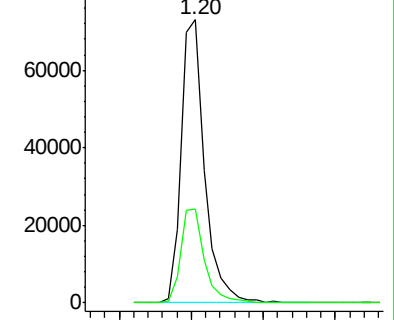
85 100

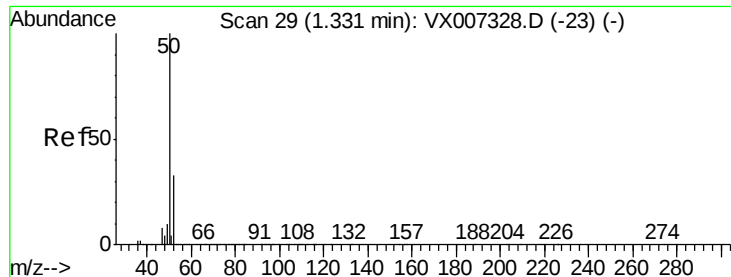
87 33.2 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 16.683 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA_X

ClientSampleId :

VX0219WBS01

Tot Ion: 50 Resp: 77410

Ion Ratio Lower Upper

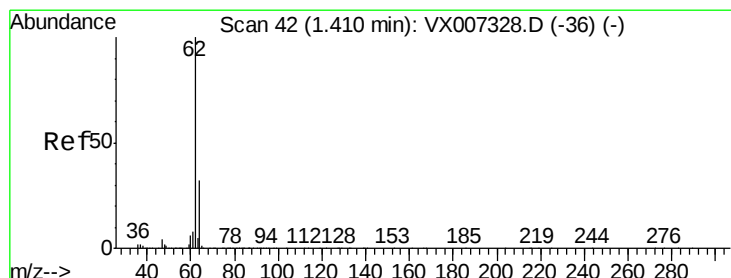
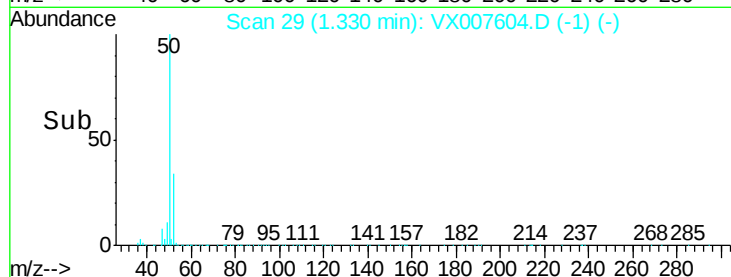
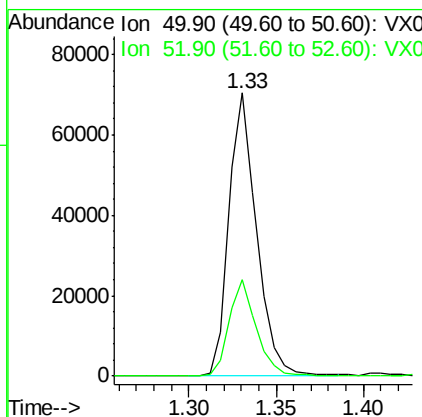
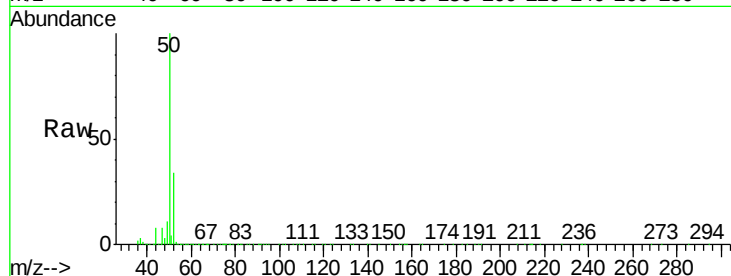
50 100

52 33.9 26.1 39.1

Manual Integrations
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#4

Vinyl Chloride

Concen: 18.495 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007604.D

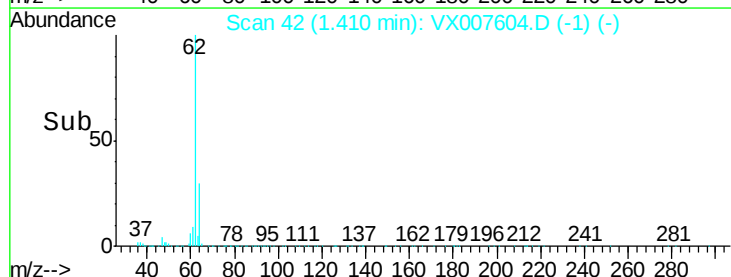
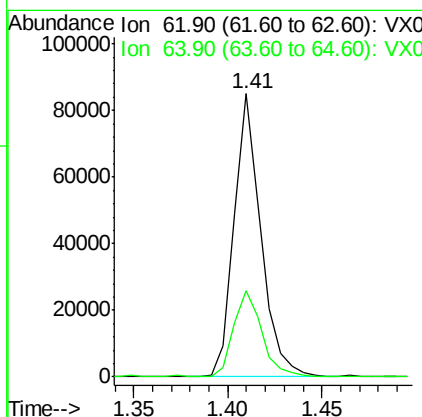
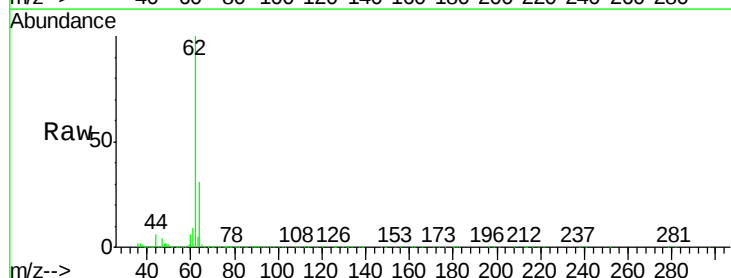
Acq: 19 Feb 2019 11:10

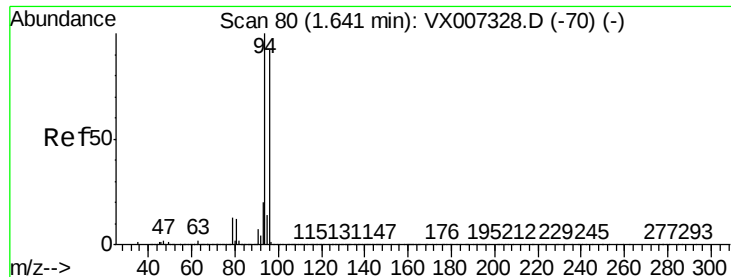
Tgt Ion: 62 Resp: 84188

Ion Ratio Lower Upper

62 100

64 30.3 25.4 38.0





#5

Bromomethane

Concen: 16.284 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

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ClientSampleId :

VX0219WBS01

Tot Ion: 94 Resp: 74781

Ion Ratio Lower Upper

94 100

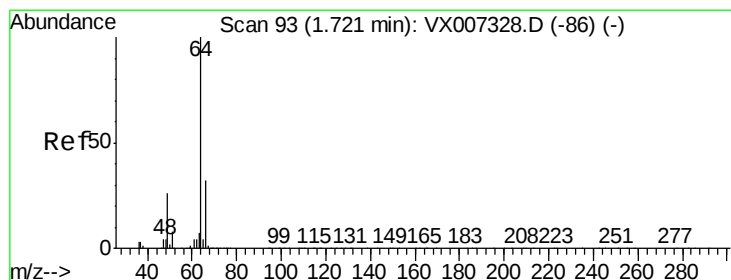
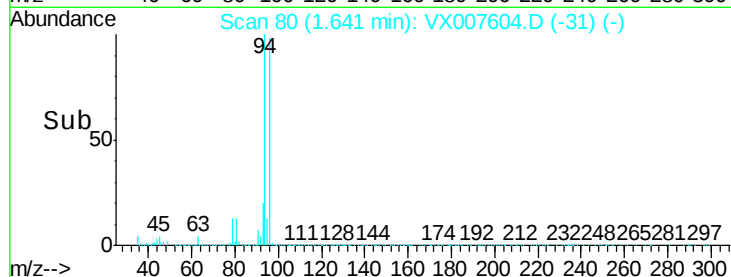
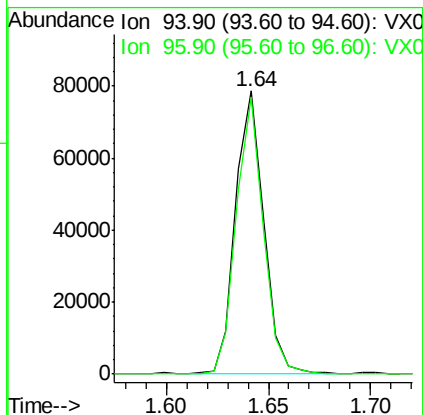
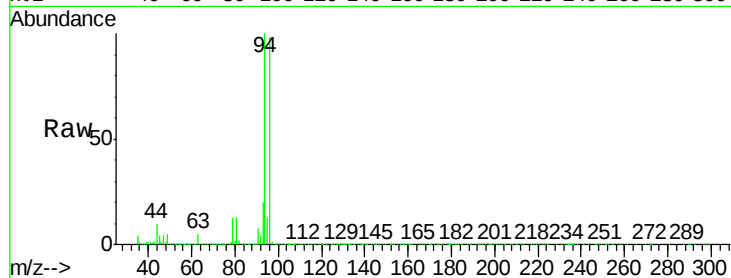
96 98.1 73.9 110.9

Manual Integrations

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#6

Chloroethane

Concen: 17.526 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX007604.D

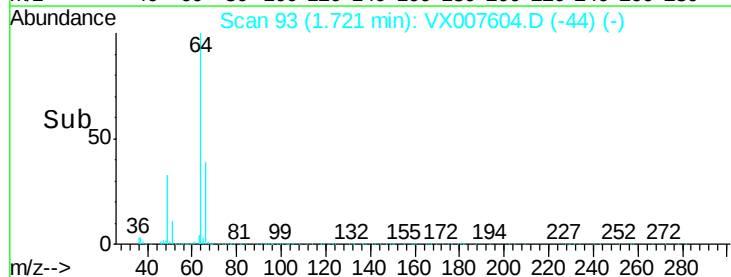
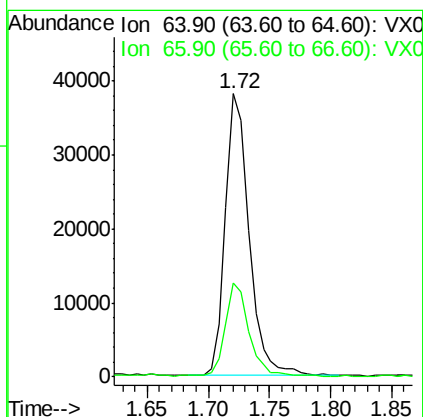
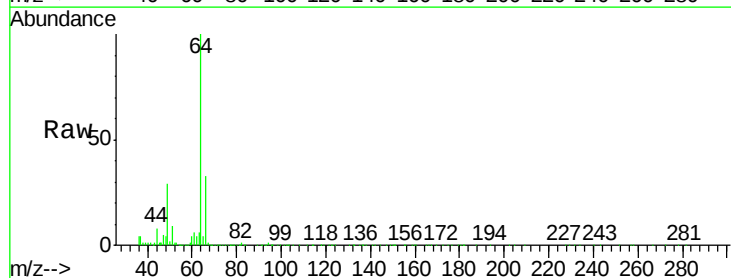
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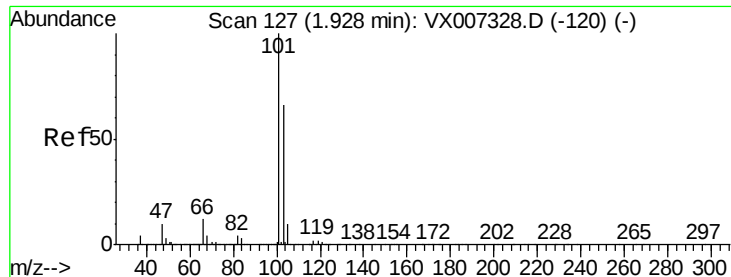
Tgt Ion: 64 Resp: 51609

Ion Ratio Lower Upper

64 100

66 32.7 25.5 38.3





#7

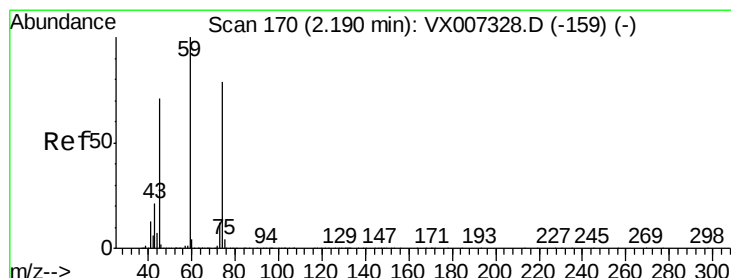
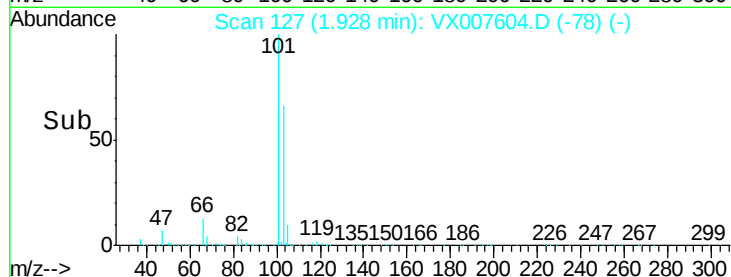
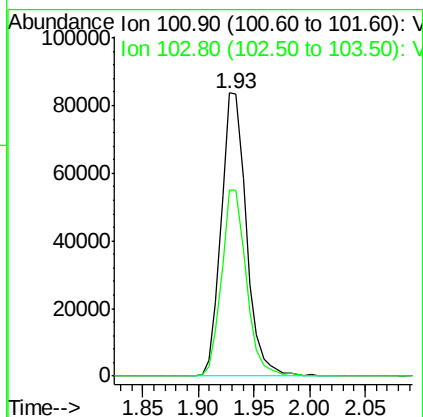
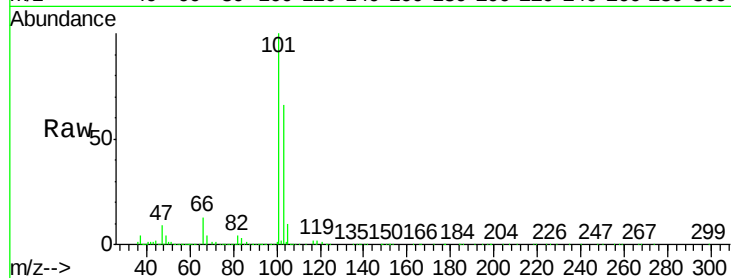
Trichlorofluoromethane
Concen: 18.434 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX007604.D
Acq: 19 Feb 2019 11:10

Instrument :
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ClientSampleId :
VX0219WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.6	79.0

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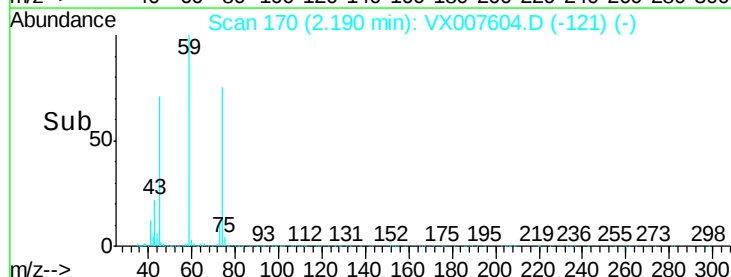
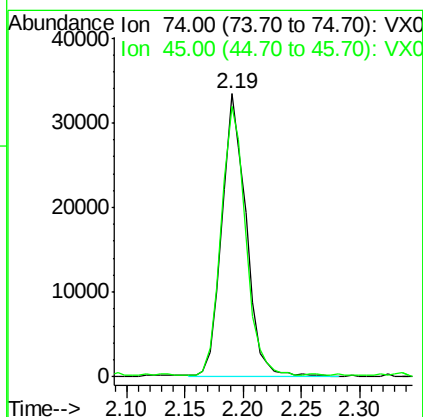
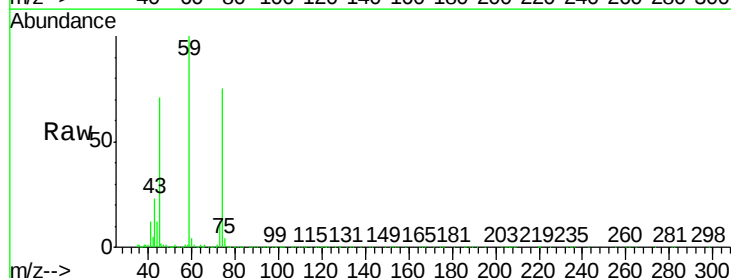
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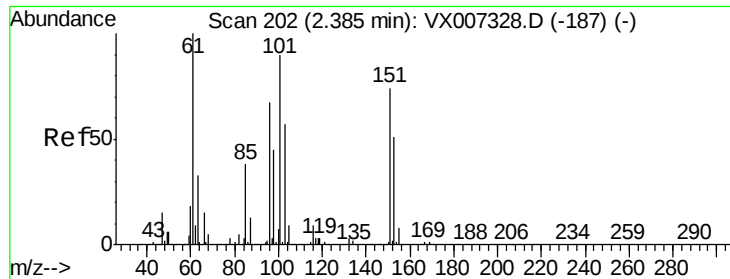


#8

Diethyl Ether
Concen: 17.779 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007604.D
Acq: 19 Feb 2019 11:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.3	45.7	137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.265 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA_X

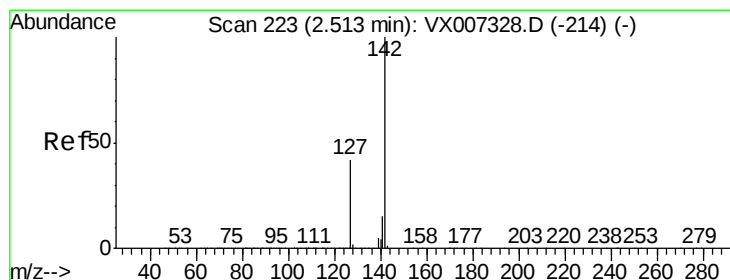
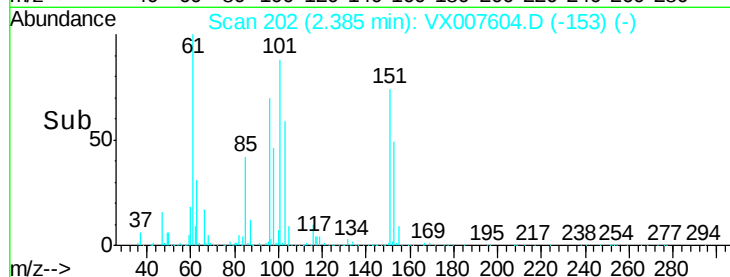
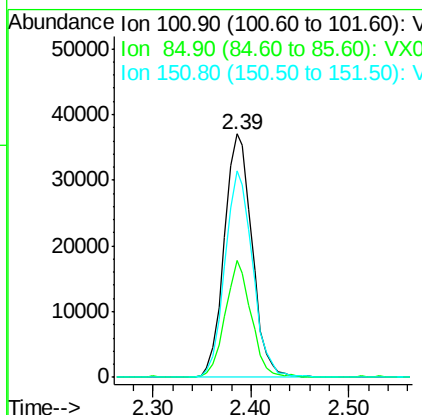
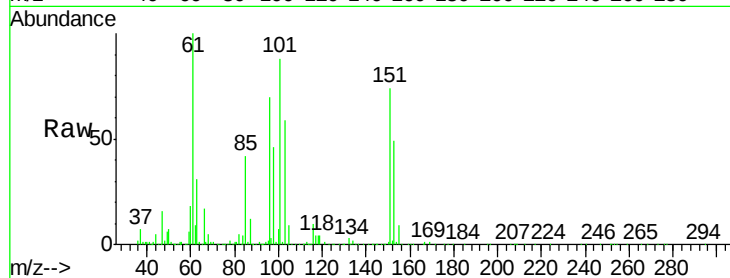
ClientSampleId :

VX0219WBS01

Tot Ion:	101	Resp:	73130
Ion Ratio	Lower	Upper	
101	100		
85	45.0	34.1	51.1
151	84.4	69.9	104.9

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#10

Methyl Iodide

Concen: 15.451 ug/l

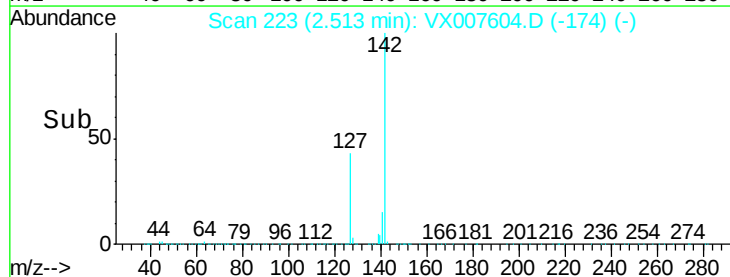
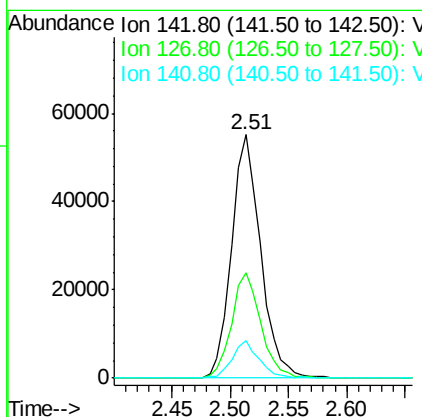
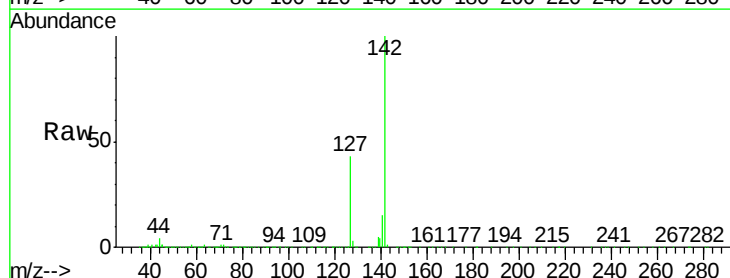
RT: 2.51 min Scan# 223

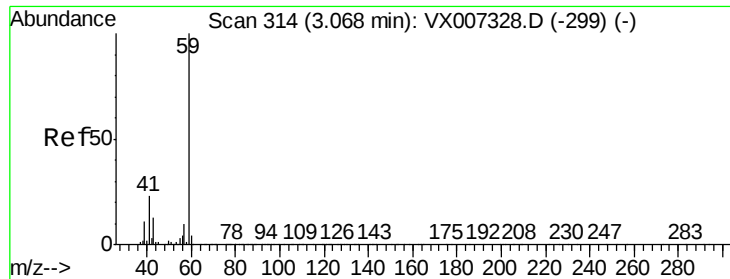
Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Tgt Ion:	142	Resp:	96274
Ion Ratio	Lower	Upper	
142	100		
127	43.5	33.7	50.5
141	14.5	11.3	16.9





#11

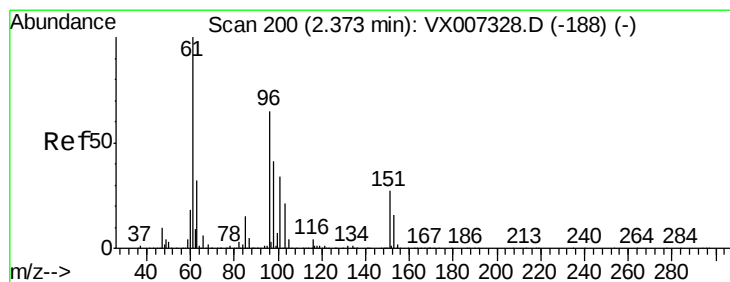
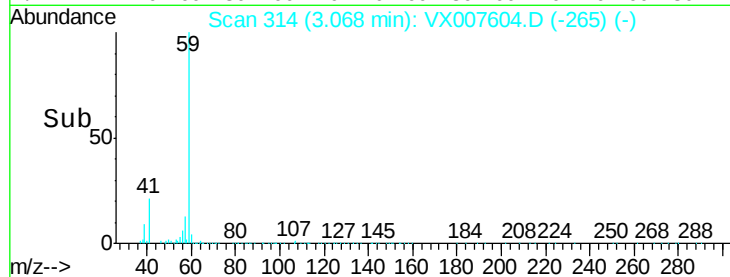
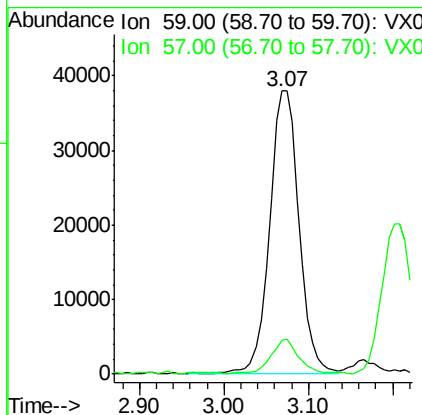
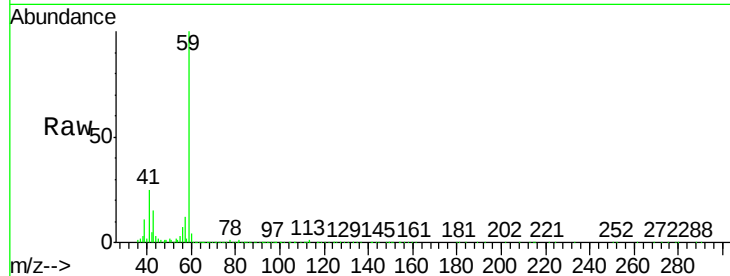
Tert butyl alcohol
Concen: 101.791 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.00 min
Lab File: VX007604.D
Acq: 19 Feb 2019 11:10

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.1	8.1	12.1#

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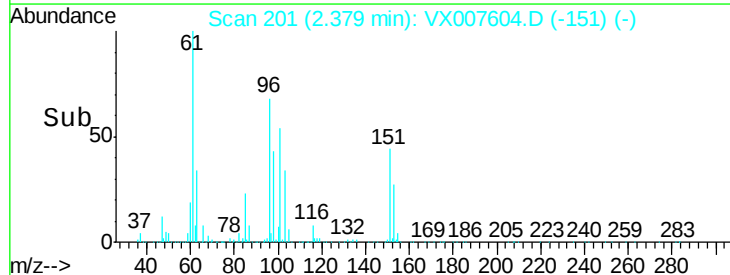
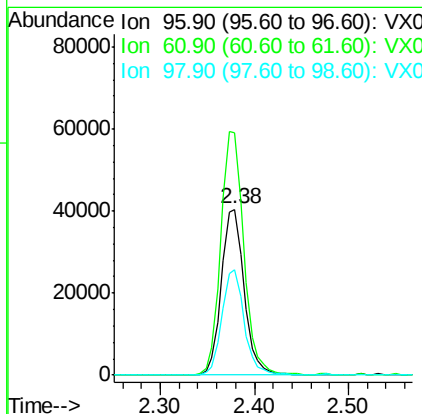
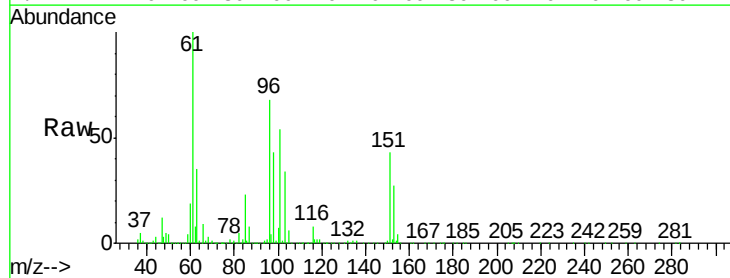
MMDadoda
2/20/2019 10:33:01 AM

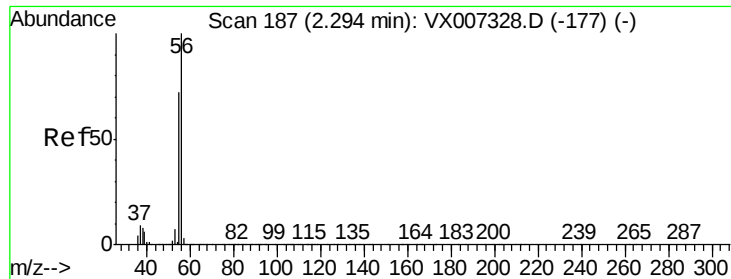


#12

1,1-Dichloroethene
Concen: 17.379 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX007604.D
Acq: 19 Feb 2019 11:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.7	123.0	184.4
98	63.6	50.9	76.3





#13

Acrolein

Concen: 102.091 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA_X

ClientSampleId :

VX0219WBS01

Tot Ion: 56 Resp: 43320

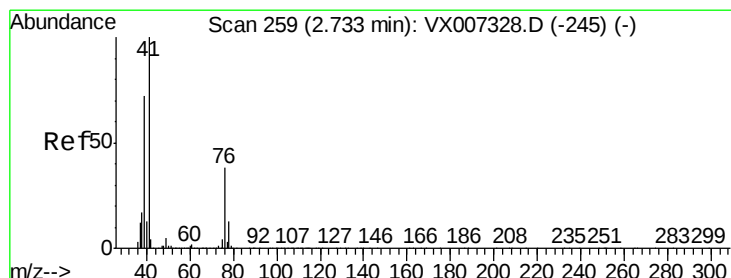
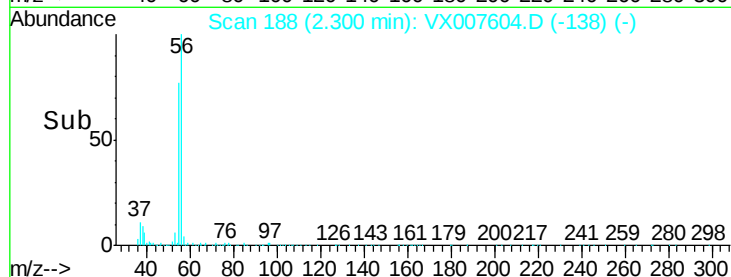
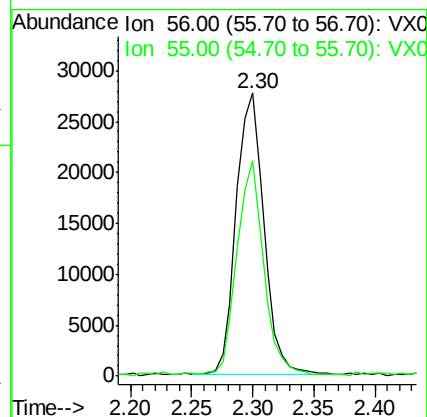
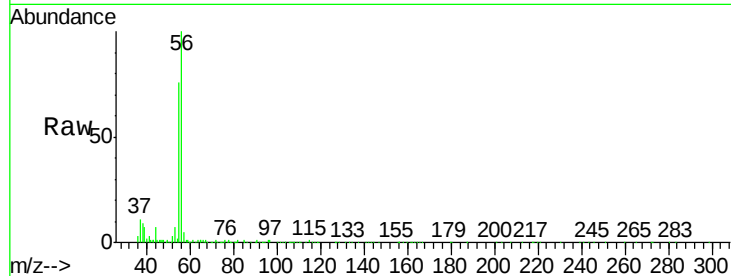
Ion Ratio Lower Upper

56 100

55 73.1 56.9 85.3

Manual Integrations
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#14

Allyl chloride

Concen: 17.901 ug/l

RT: 2.73 min Scan# 259

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

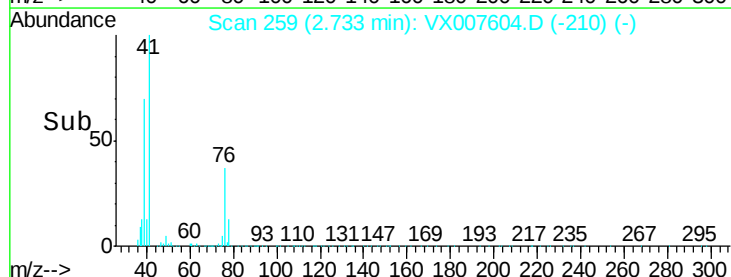
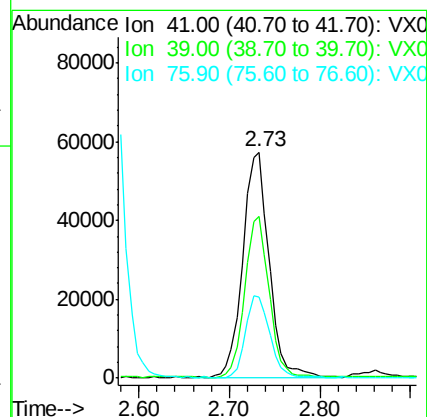
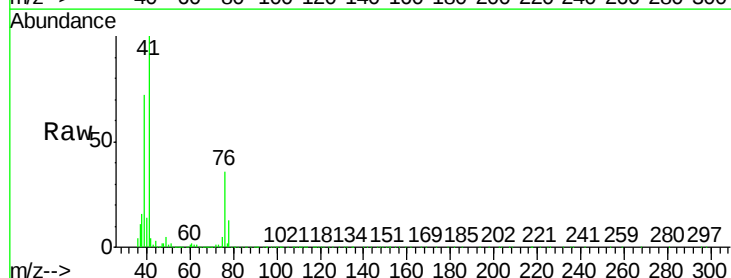
Tgt Ion: 41 Resp: 114724

Ion Ratio Lower Upper

41 100

39 65.9 54.1 81.1

76 33.7 27.8 41.8





#15

Acrylonitrile

Concen: 96.007 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA_X

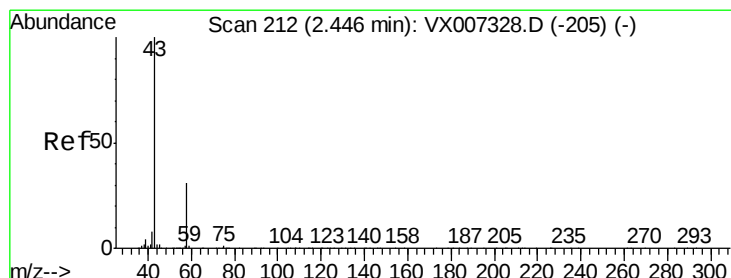
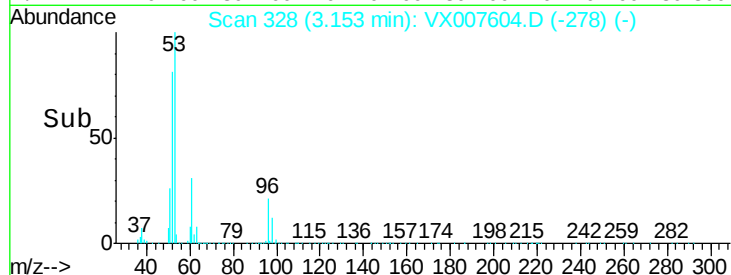
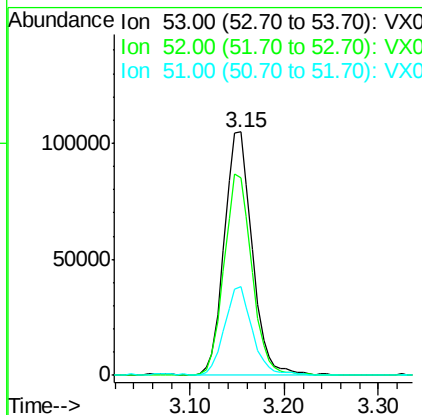
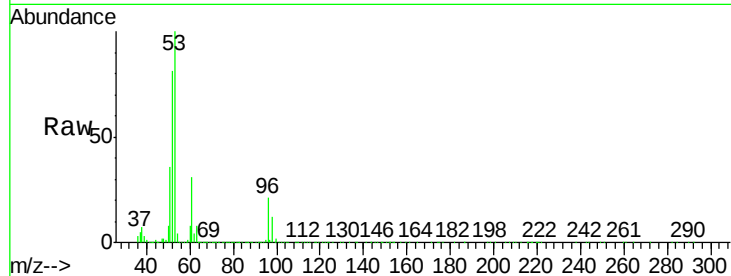
ClientSampleId :

VX0219WBS01

Tot Ion:	53	Resp:	214913
Ion Ratio		Lower	Upper
53	100		
52	82.6	66.4	99.6
51	36.0	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 98.913 ug/l

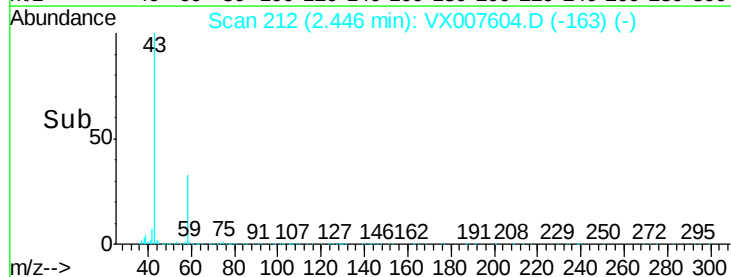
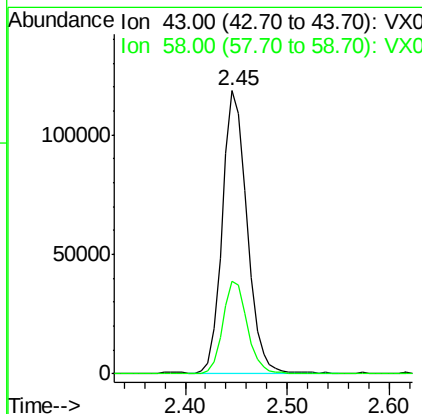
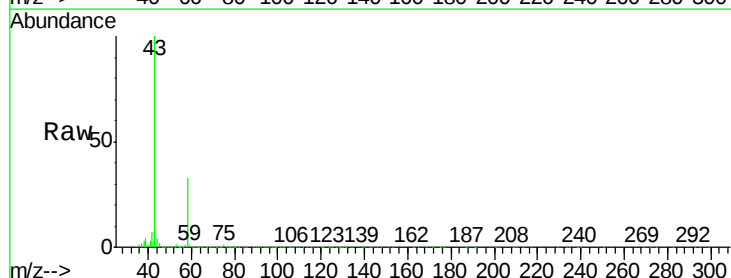
RT: 2.45 min Scan# 212

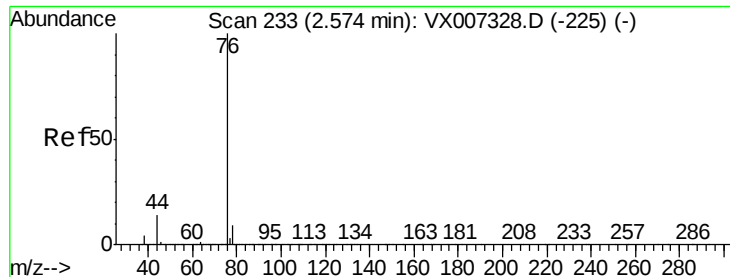
Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Tgt Ion:	43	Resp:	198116
Ion Ratio		Lower	Upper
43	100		
58	32.9	24.9	37.3





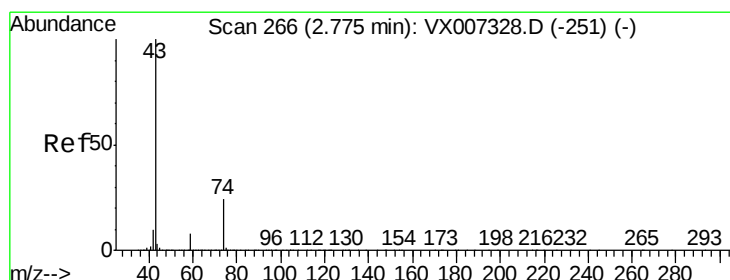
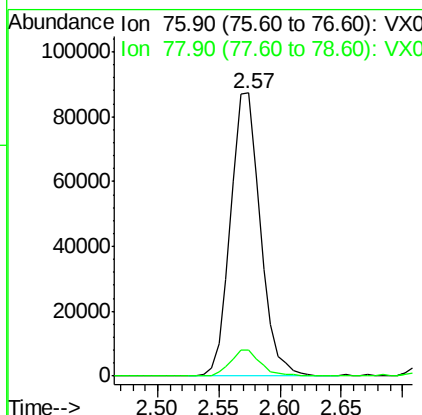
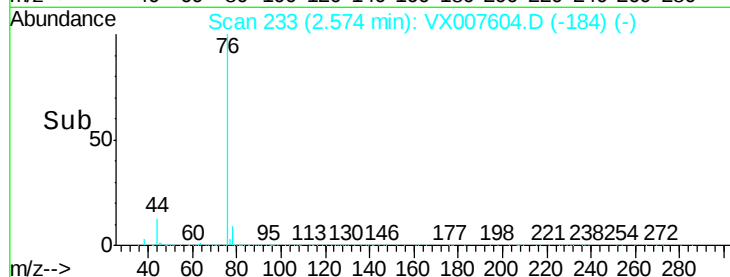
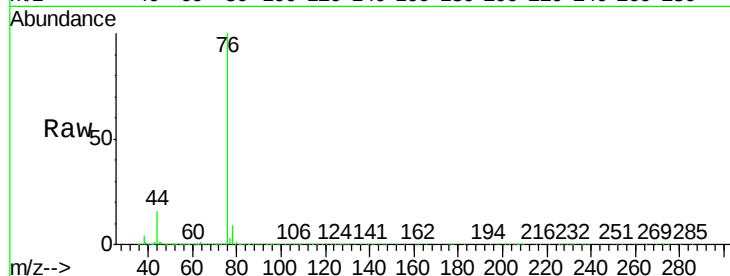
#17
Carbon Disulfide
Concen: 15.839 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.00 min
Lab File: VX007604.D
Acq: 19 Feb 2019 11:10

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

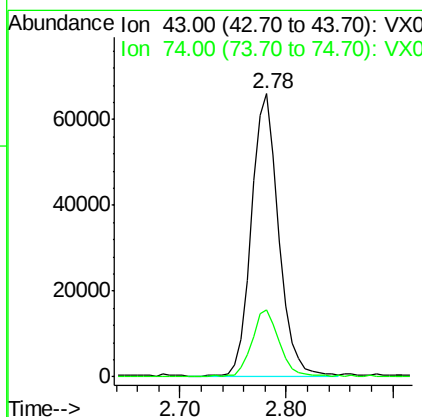
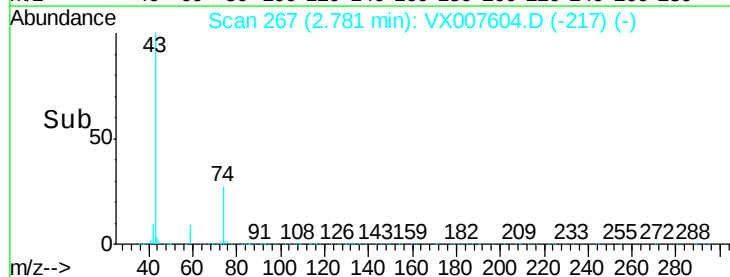
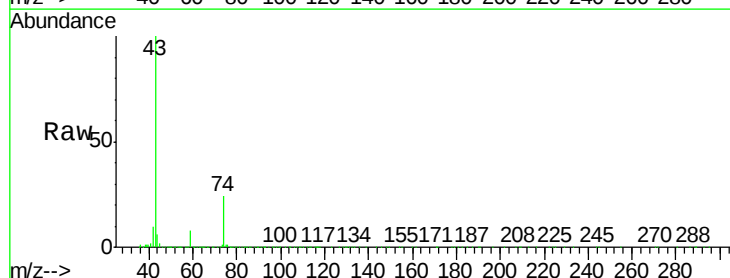
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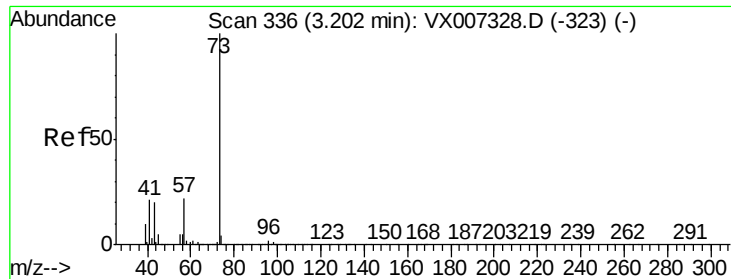
MMDadoda
2/20/2019 10:33:01 AM



#18
Methyl Acetate
Concen: 22.871 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX007604.D
Acq: 19 Feb 2019 11:10

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	19.4	29.2





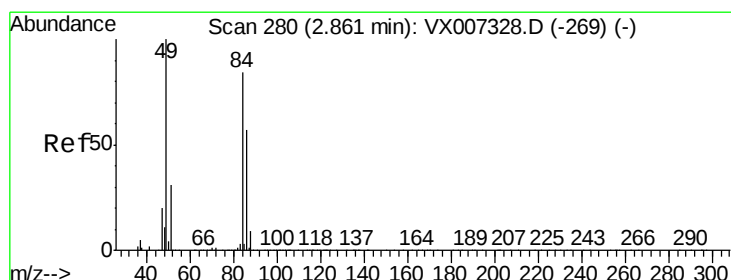
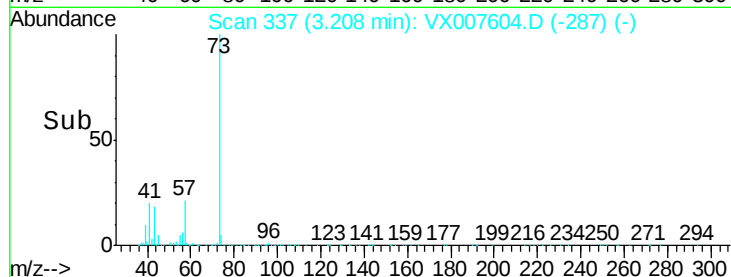
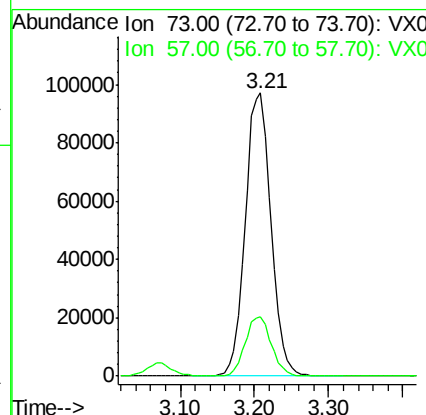
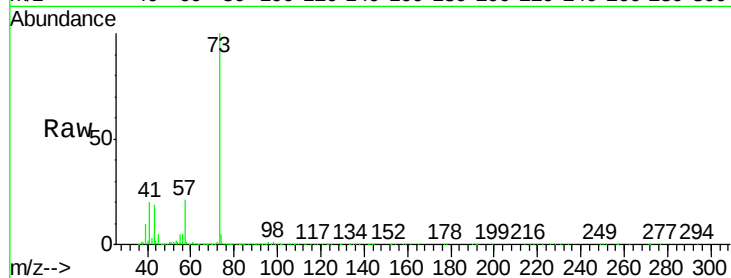
#19
Methvl tert-butvl Ether
Concen: 18.503 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX007604.D
Acq: 19 Feb 2019 11:10

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.6	17.8	26.8

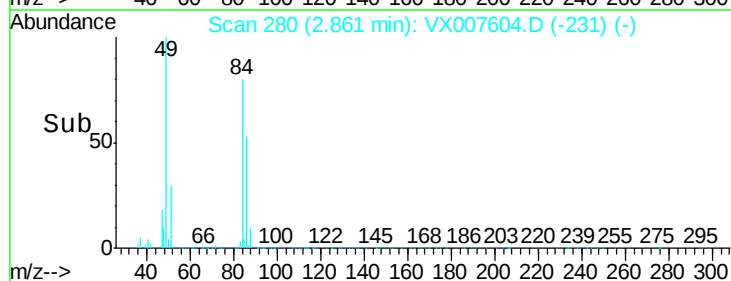
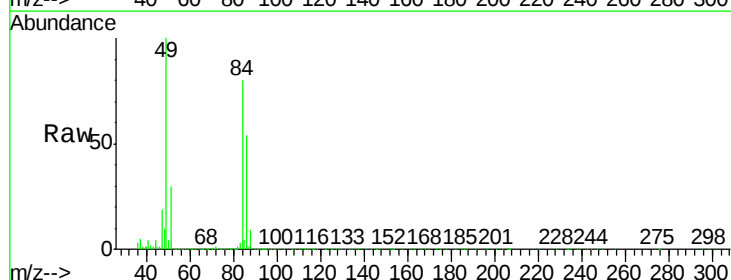
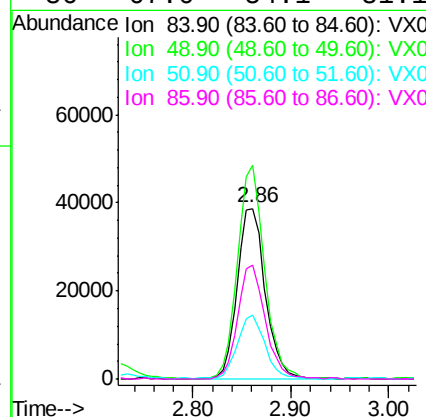
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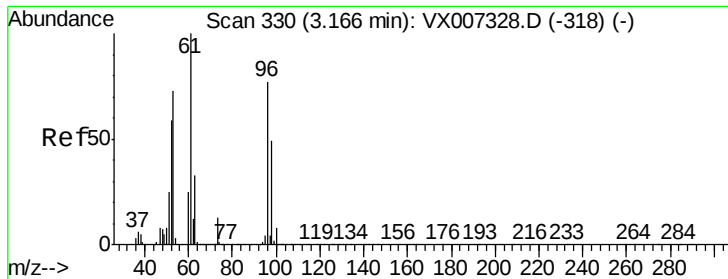
MMDadoda
2/20/2019 10:33:01 AM



#20
Methylene Chloride
Concen: 18.753 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007604.D
Acq: 19 Feb 2019 11:10

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.9	94.8	142.2
51	37.5	29.8	44.8
86	67.0	54.1	81.1





#21

trans-1,2-Dichloroethene

Concen: 16.600 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA_X

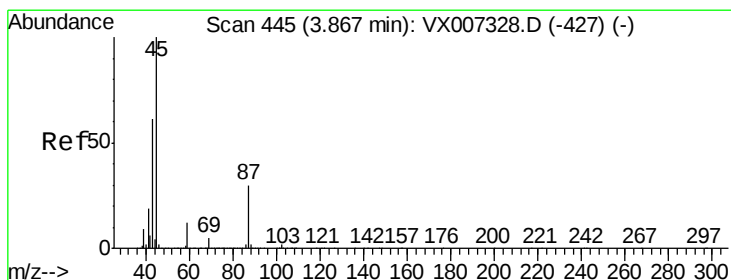
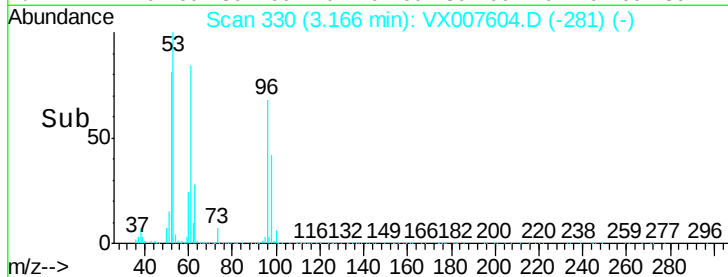
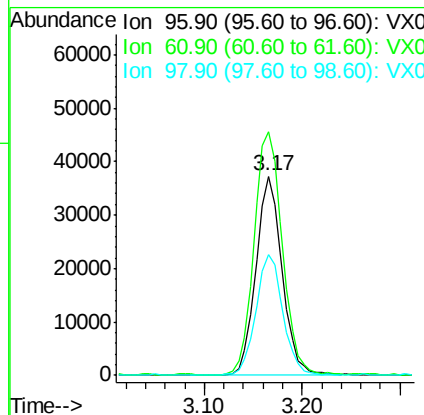
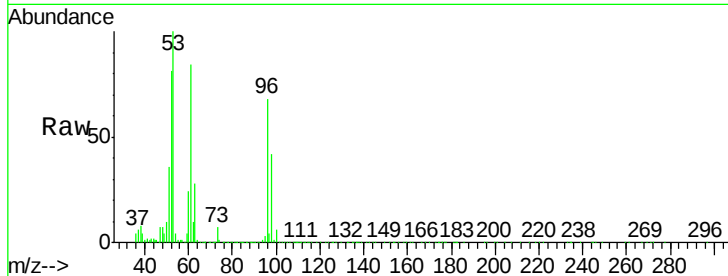
ClientSampleId :

VX0219WBS01

Tot Ion:	96	Resp:	69554
Ion	Ratio	Lower	Upper
96	100		
61	121.7	104.6	156.8
98	60.8	51.0	76.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.649 ug/l

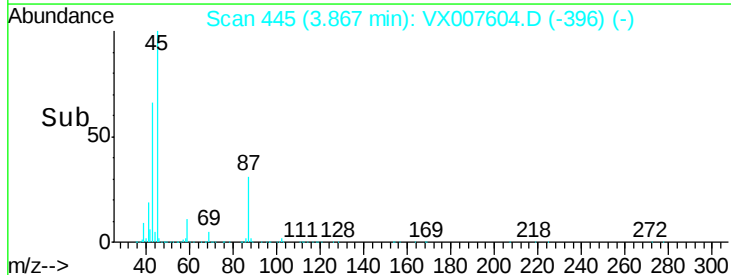
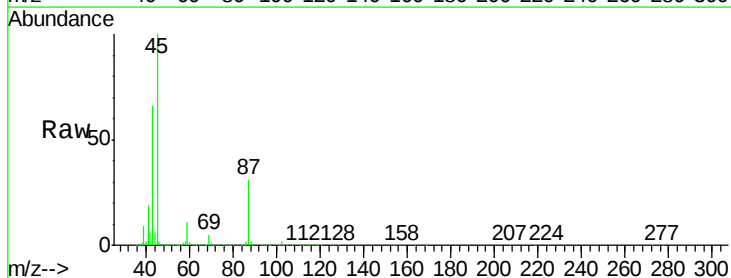
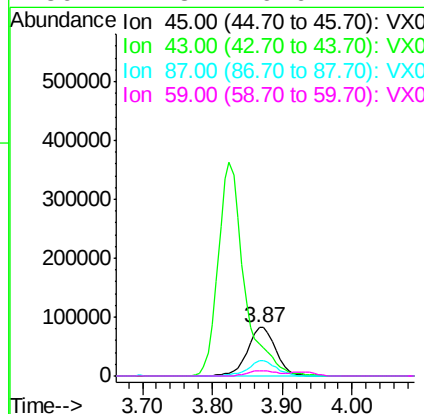
RT: 3.87 min Scan# 445

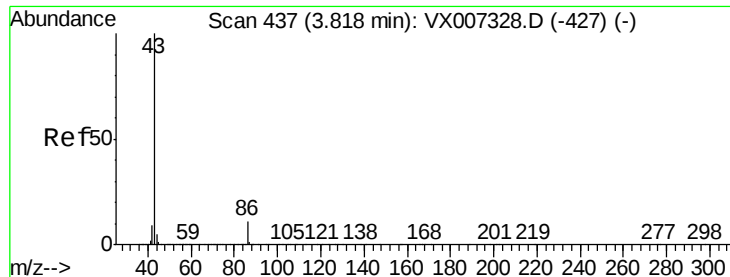
Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Tgt Ion:	45	Resp:	231628
Ion	Ratio	Lower	Upper
45	100		
43	66.0	48.9	73.3
87	30.7	23.9	35.9
59	11.3	9.6	14.4





#23

Vinyl Acetate

Concen: 96.852 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA_X

ClientSampleId :

VX0219WBS01

Tot Ion: 43 Resp: 947449

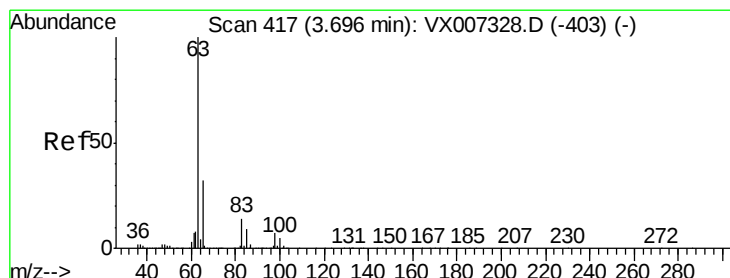
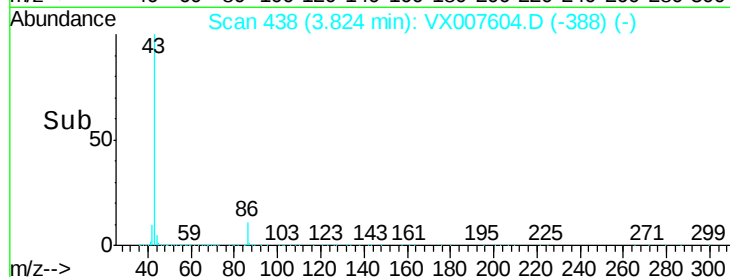
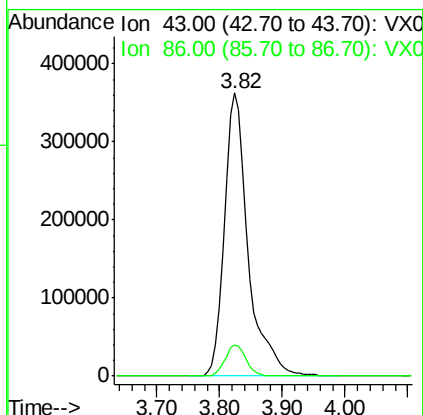
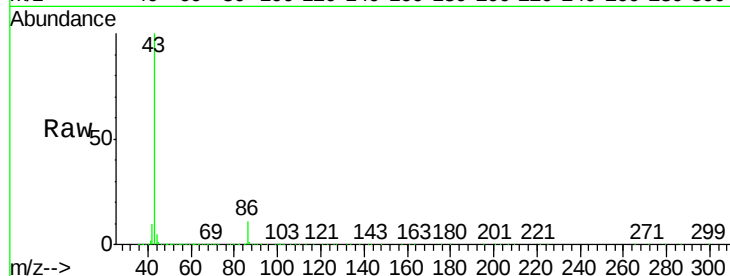
Ion Ratio Lower Upper

43 100

86 11.2 8.7 13.1

Manual Integrations
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2/20/2019 10:33:01 AM



#24

1,1-Dichloroethane

Concen: 19.176 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

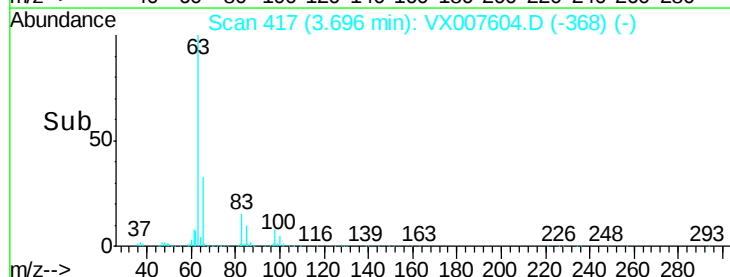
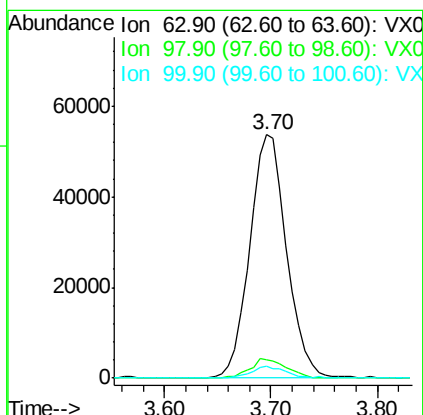
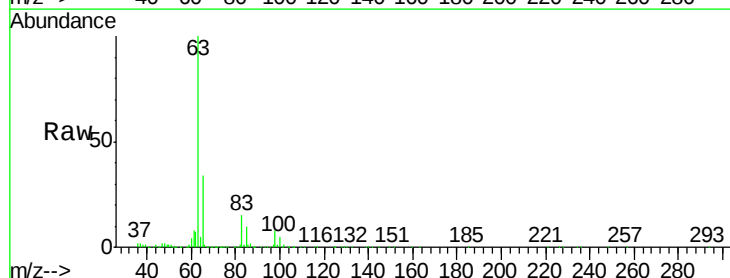
Tgt Ion: 63 Resp: 129822

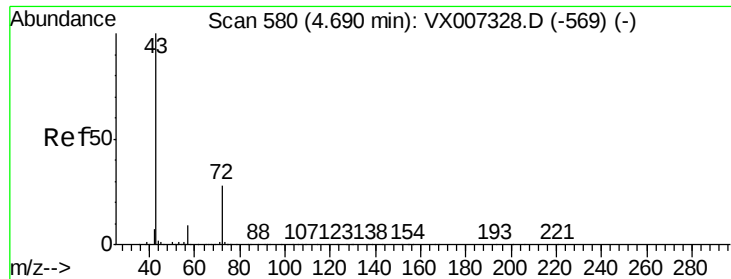
Ion Ratio Lower Upper

63 100

98 7.5 3.6 10.8

100 4.8 2.5 7.4





#25

2-Butanone

Concen: 104.798 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA_X

ClientSampleId :

VX0219WBS01

Tot Ion: 43 Resp: 298716

Ion Ratio Lower Upper

43 100

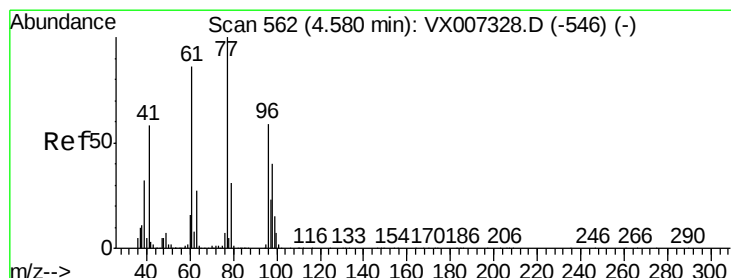
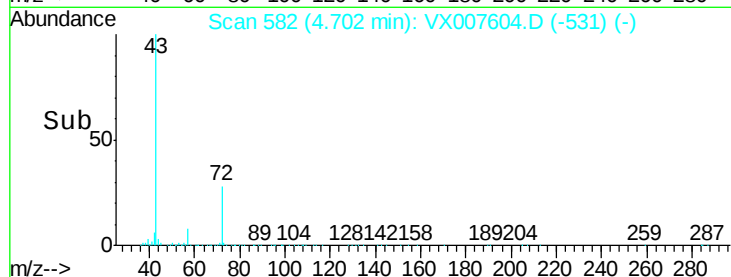
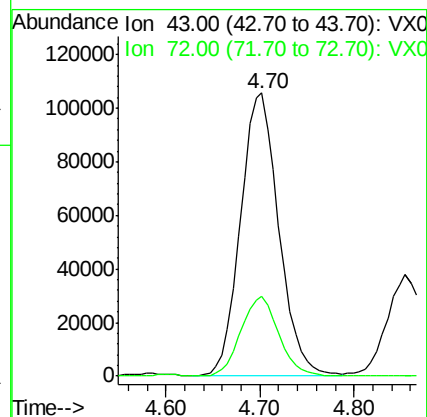
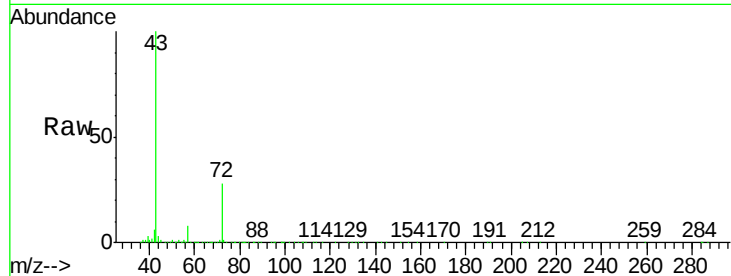
72 28.2 22.2 33.2

Manual Integrations

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2/20/2019 10:33:01 AM



#26

2,2-Dichloropropane

Concen: 18.663 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX007604.D

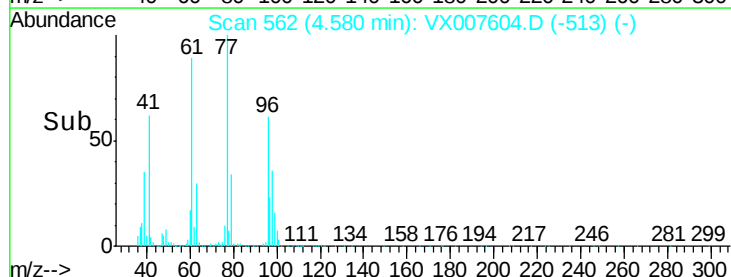
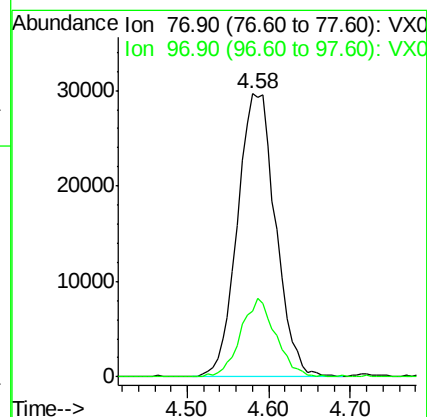
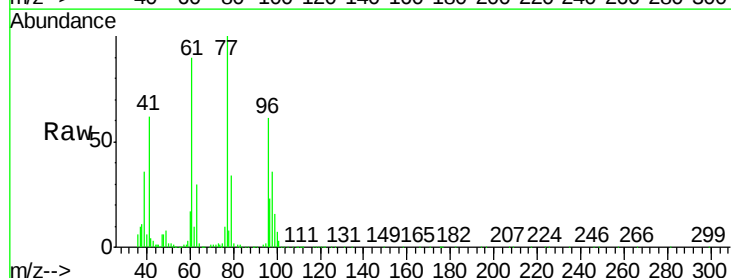
Acq: 19 Feb 2019 11:10

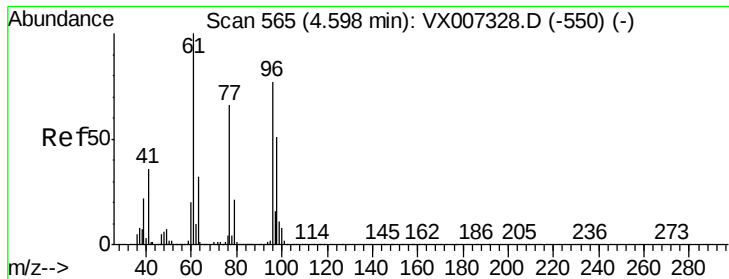
Tgt Ion: 77 Resp: 96219

Ion Ratio Lower Upper

77 100

97 25.6 12.1 36.3





#27

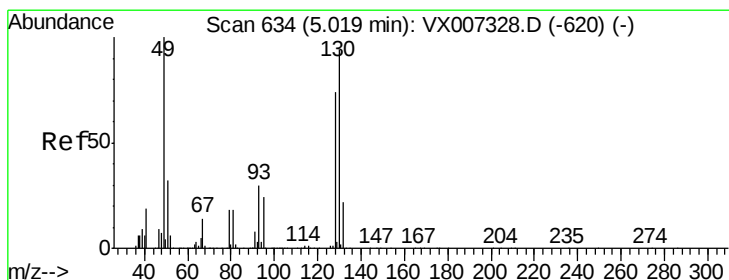
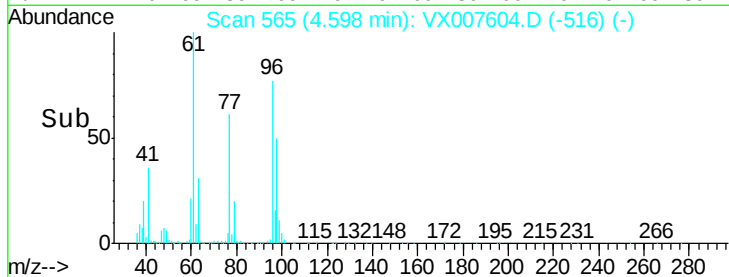
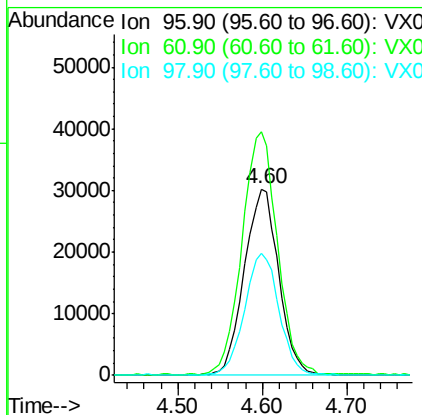
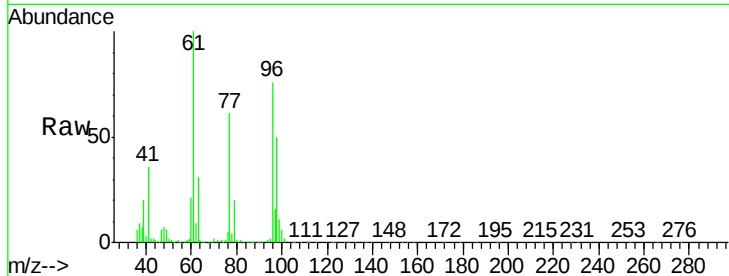
cis-1,2-Dichloroethene
Concen: 18.170 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX007604.D
Acq: 19 Feb 2019 11:10

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.2	0.0	265.6
98	66.2	0.0	131.6

Manual Integrations
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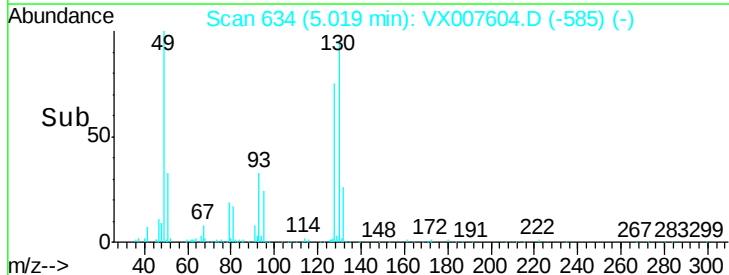
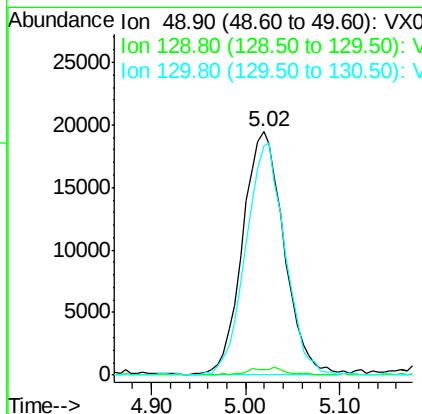
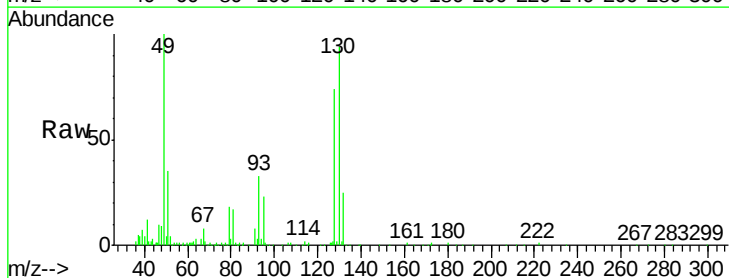
MMDadoda
2/20/2019 10:33:01 AM



#28

Bromochloromethane
Concen: 19.272 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX007604.D
Acq: 19 Feb 2019 11:10

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.6
130	90.5	75.6	113.4





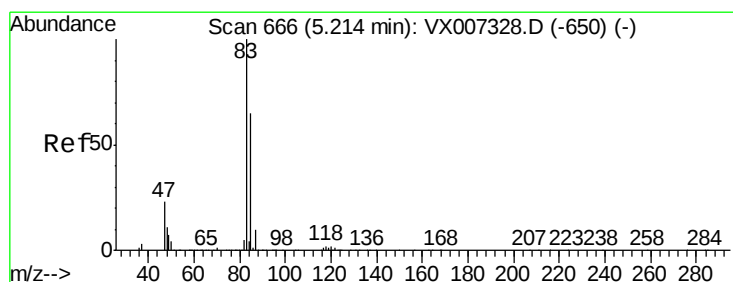
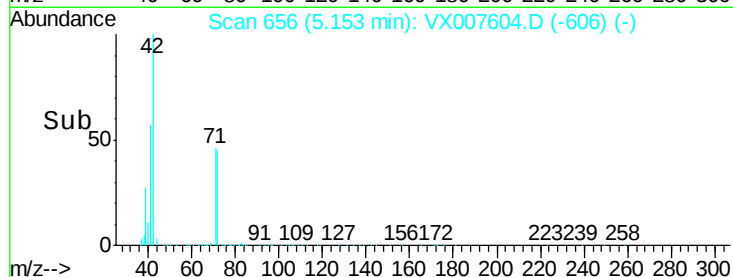
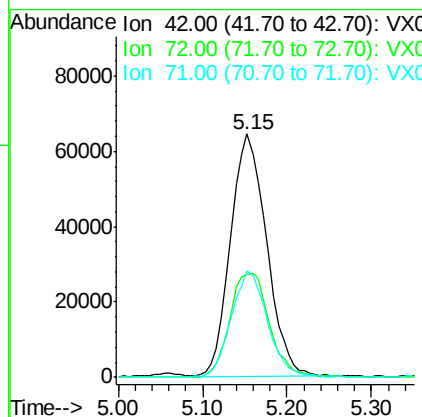
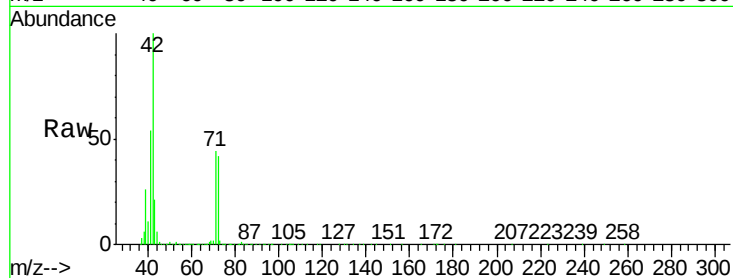
#29
Tetrahydrofuran
Concen: 104.385 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.01 min
Lab File: VX007604.D
Acq: 19 Feb 2019 11:10

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.5	37.6	56.4
71	44.1	34.6	51.8

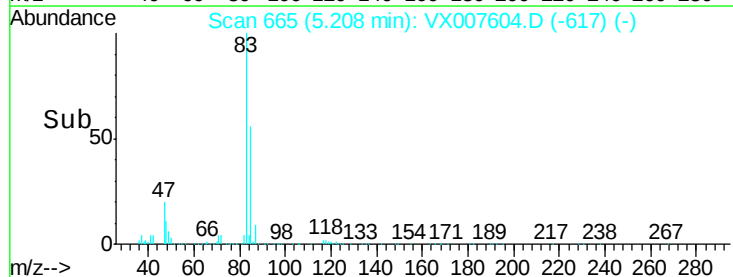
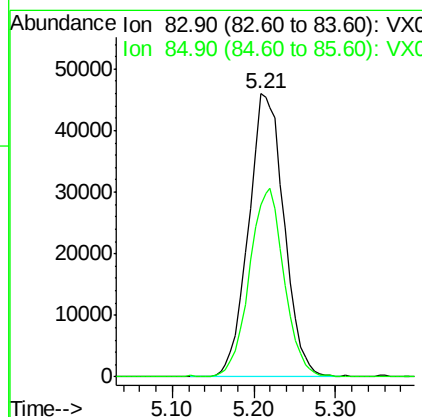
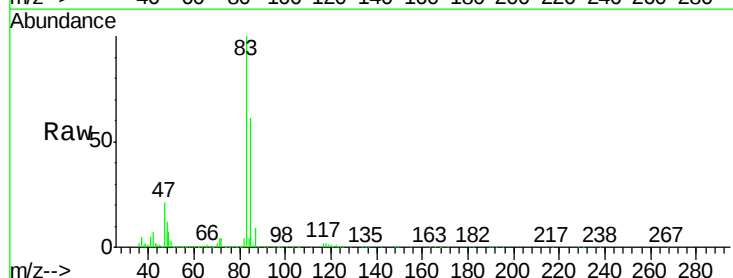
Manual Integrations
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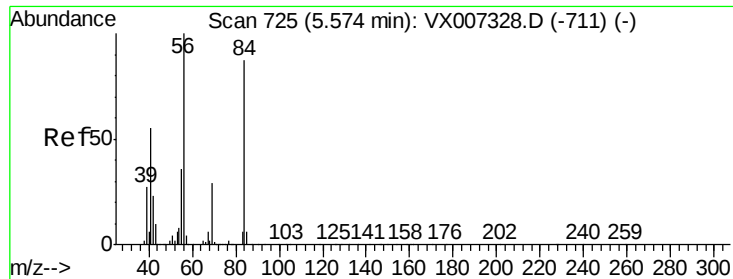
MMDadoda
2/20/2019 10:33:01 AM



#30
Chloroform
Concen: 19.751 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX007604.D
Acq: 19 Feb 2019 11:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.8	51.6	77.4





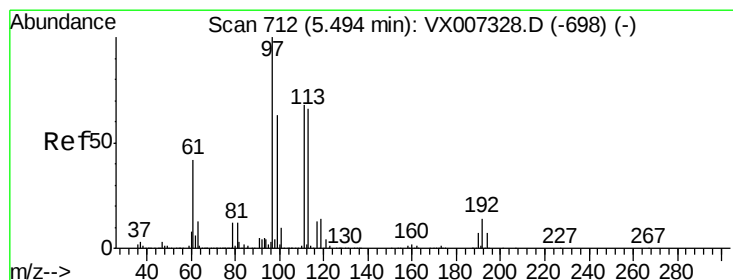
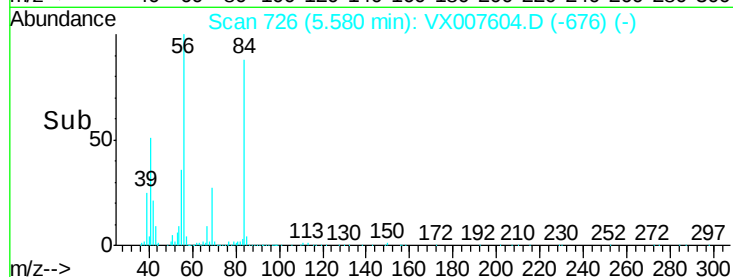
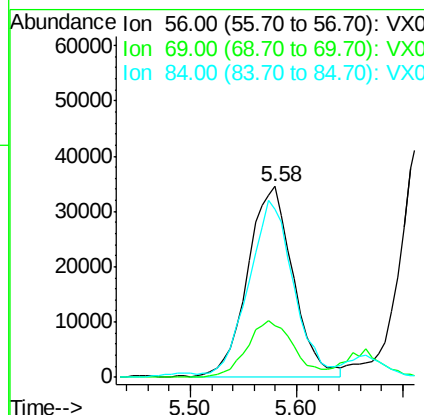
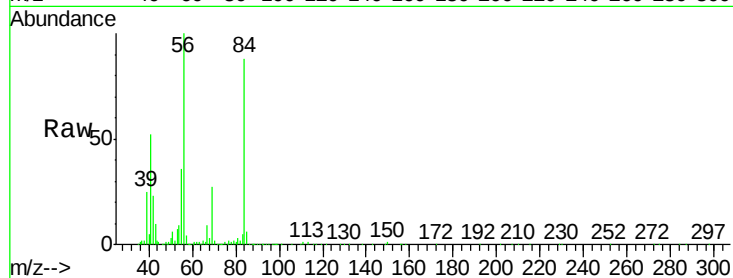
#31
Cyclohexane
Concen: 16.812 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX007604.D
Acq: 19 Feb 2019 11:10

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	26.7	23.0	34.6
84	86.0	69.8	104.6

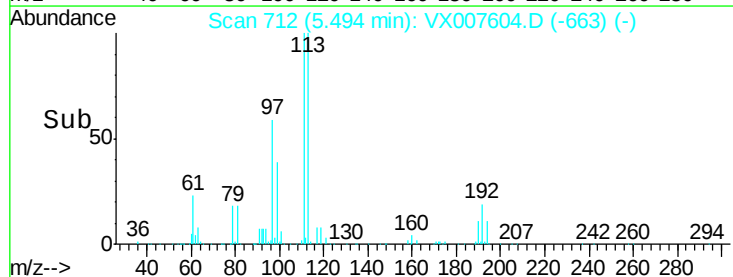
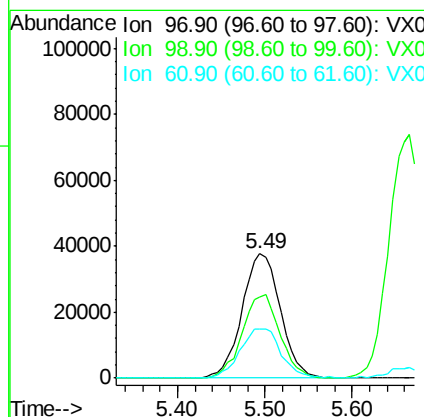
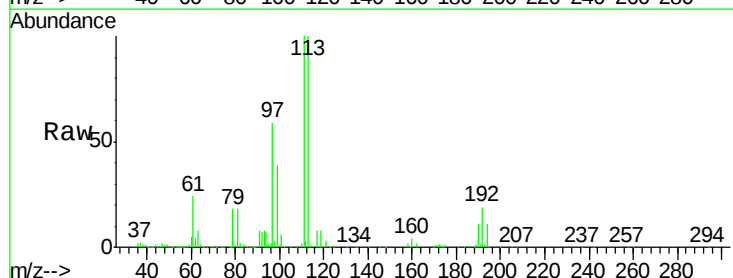
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#32
1,1,1-Trichloroethane
Concen: 19.304 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX007604.D
Acq: 19 Feb 2019 11:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.3	52.2	78.2
61	41.8	32.7	49.1





#33

1,2-Dichloroethane-d4

Concen: 49.124 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA_X

ClientSampleId :

VX0219WBS01

Tot Ion: 65 Resp: 214796

Ion Ratio Lower Upper

65 100

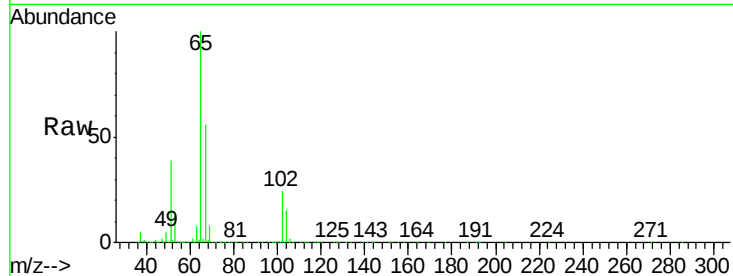
67 53.8 0.0 108.8

Manual Integrations

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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

80000

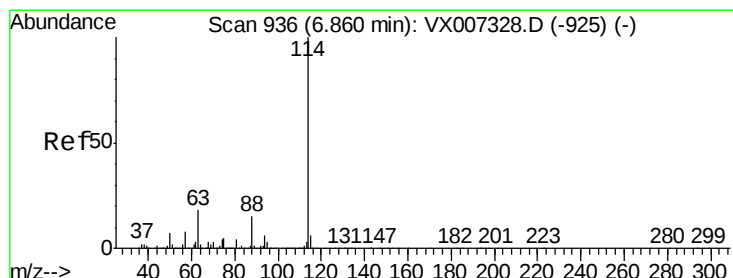
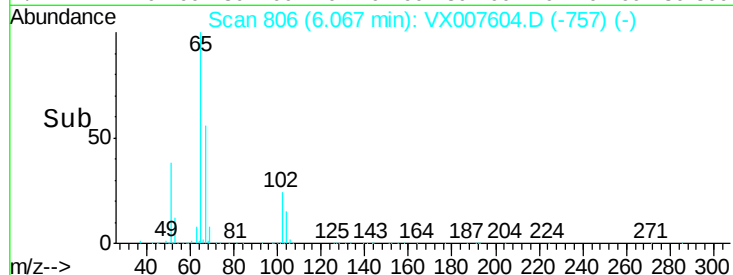
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

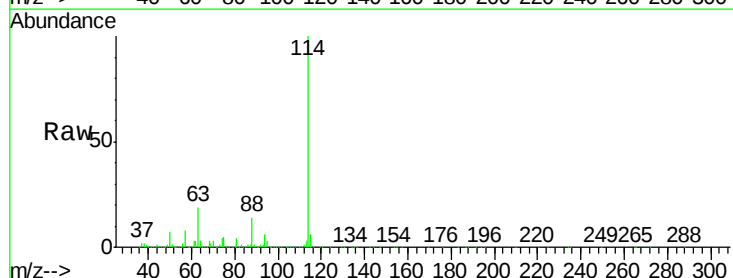
Tgt Ion: 114 Resp: 620091

Ion Ratio Lower Upper

114 100

63 18.5 0.0 35.6

88 14.3 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

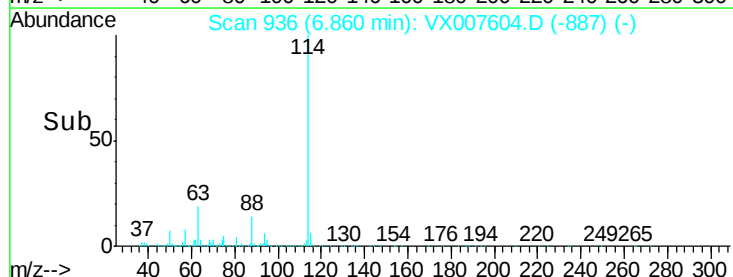
300000

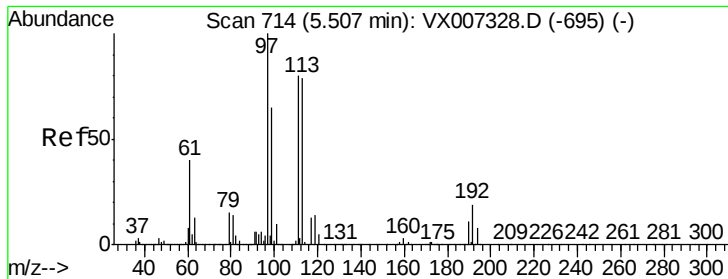
200000

100000

0

Time-->





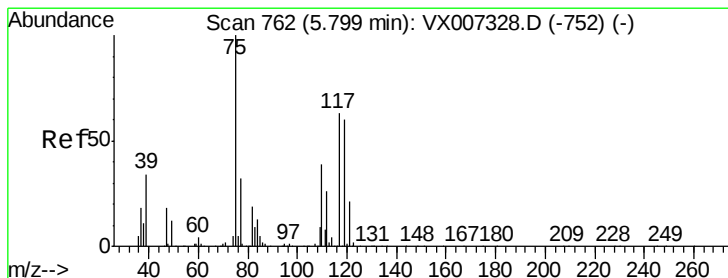
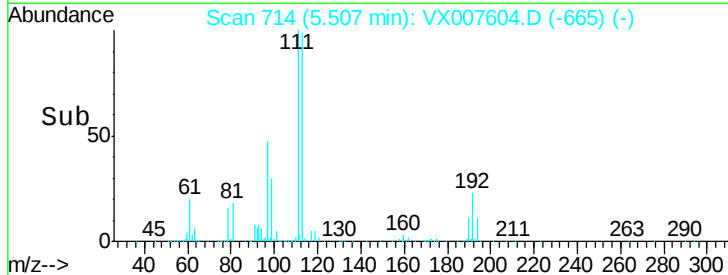
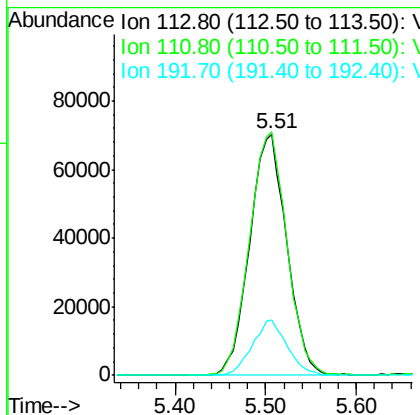
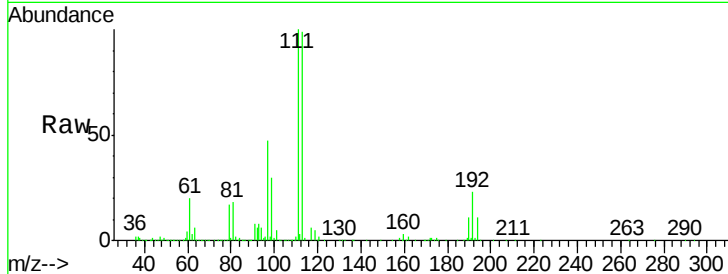
#35
 Dibromofluoromethane
 Concen: 49.292 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. -0.00 min
 Lab File: VX007604.D
 Acq: 19 Feb 2019 11:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0219WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	198878		
111	101.8	81.8	122.8	
192	21.6	18.5	27.7	

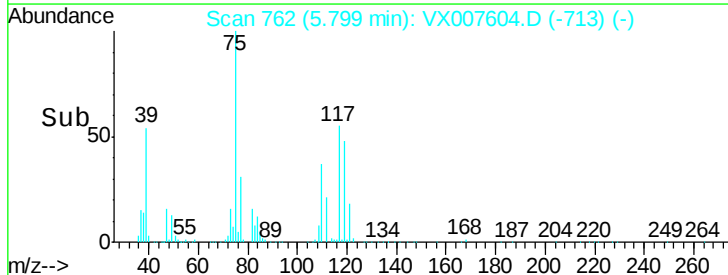
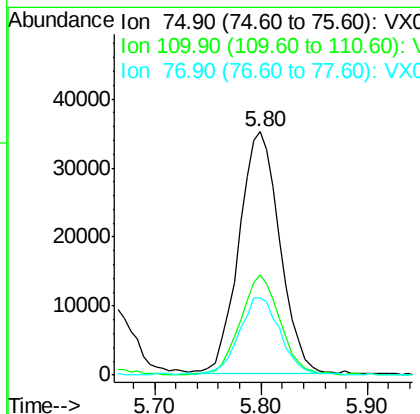
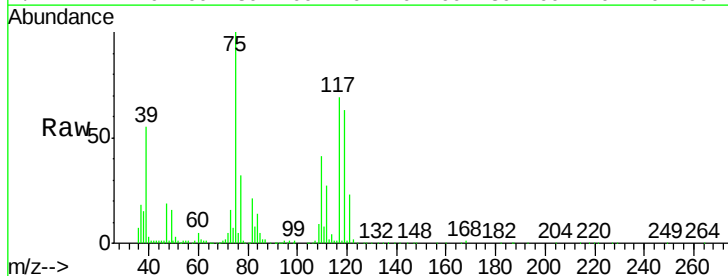
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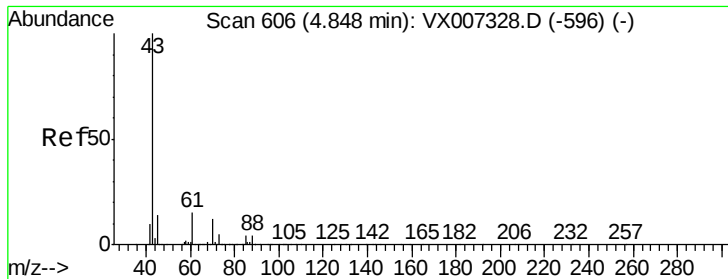
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#36
 1,1-Dichloropropene
 Concen: 16.940 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX007604.D
 Acq: 19 Feb 2019 11:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	94249		
110	40.6	20.0	59.9	
77	32.0	24.7	37.1	





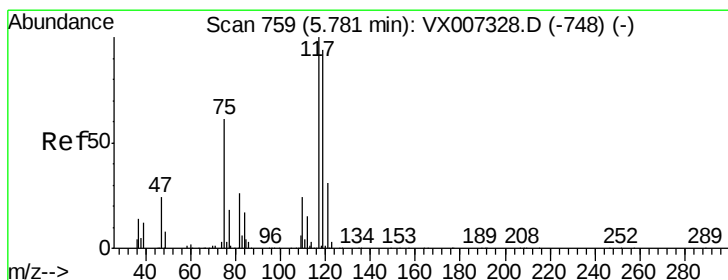
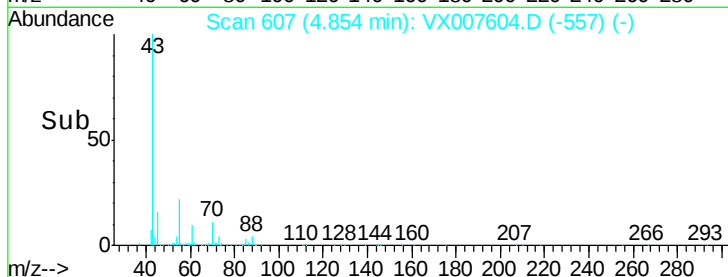
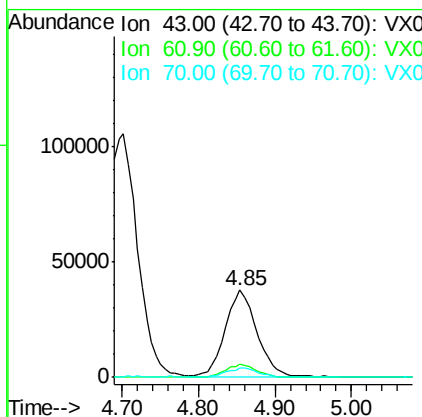
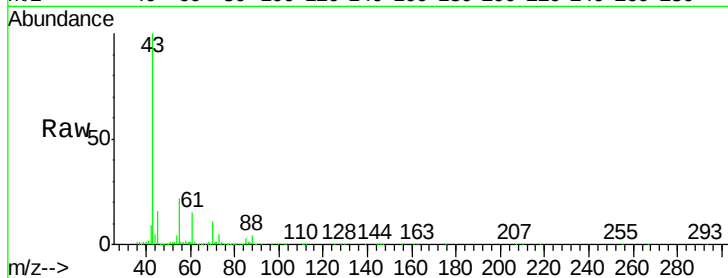
#37
Ethyl Acetate
Concen: 19.162 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX007604.D
Acq: 19 Feb 2019 11:10

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBS01

Tot Ion	43	Resp	107771
Ion Ratio	Lower	Upper	
43	100		
61	14.3	11.3	16.9
70	11.9	8.6	13.0

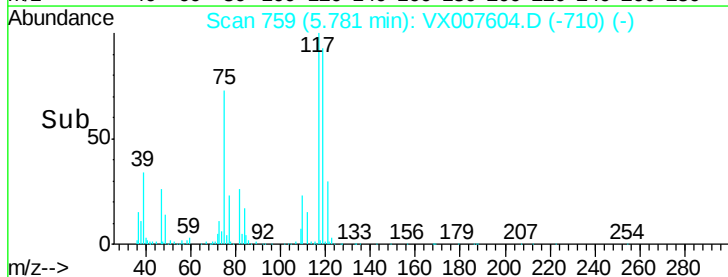
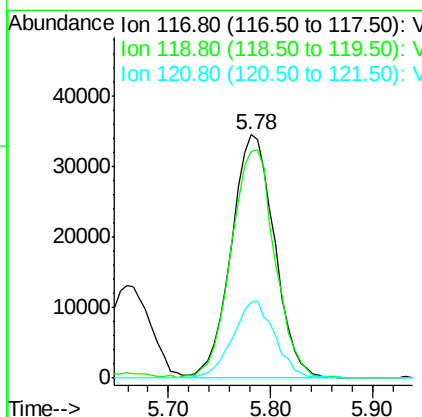
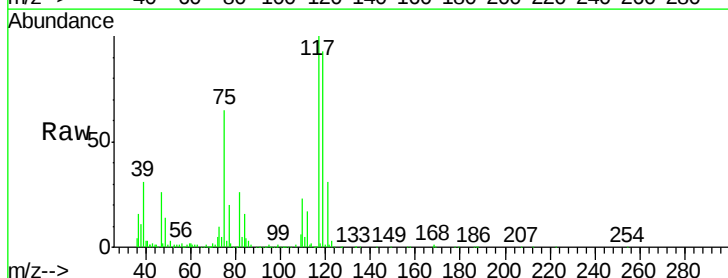
Manual Integrations
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2/20/2019 10:33:01 AM



#38
Carbon Tetrachloride
Concen: 18.701 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX007604.D
Acq: 19 Feb 2019 11:10

Tgt Ion	117	Resp	100939
Ion Ratio	Lower	Upper	
117	100		
119	93.3	75.3	112.9
121	31.0	25.0	37.4





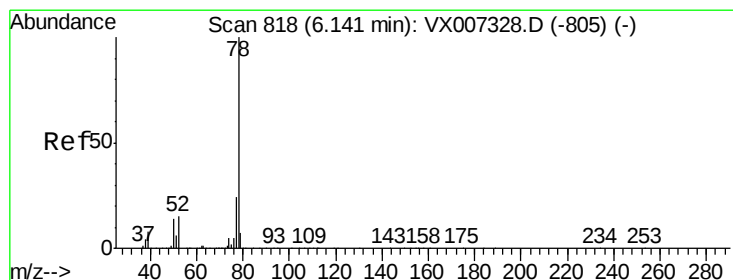
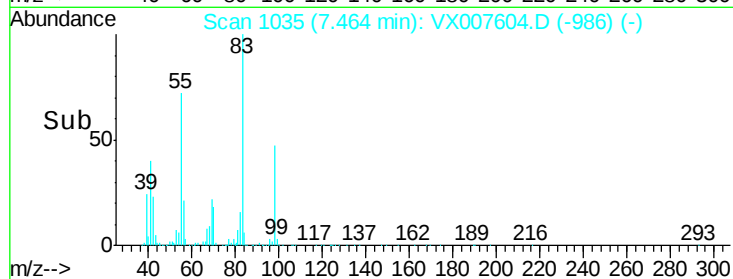
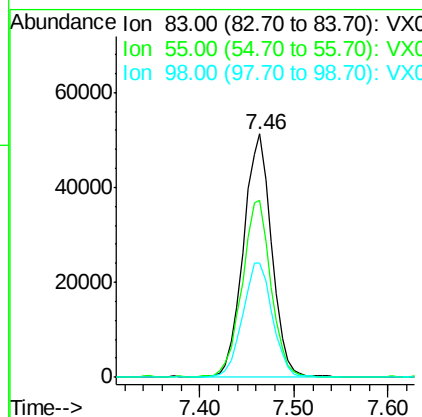
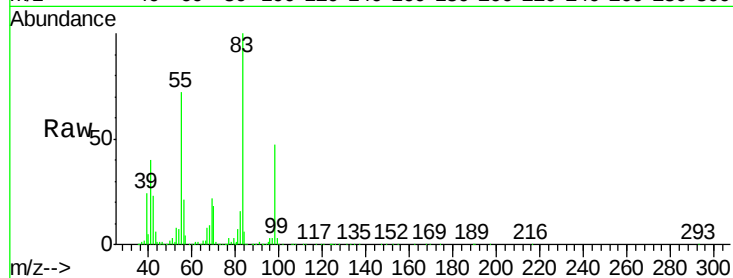
#39
Methvlcvclohexane
Concen: 15.992 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX007604.D
Acq: 19 Feb 2019 11:10

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.3	56.2	84.2
98	46.6	36.8	55.2

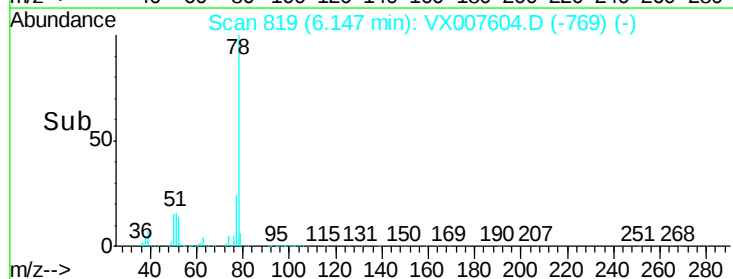
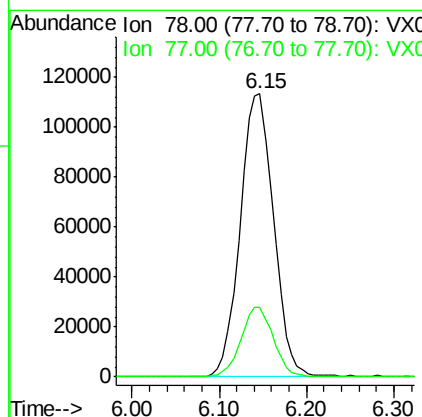
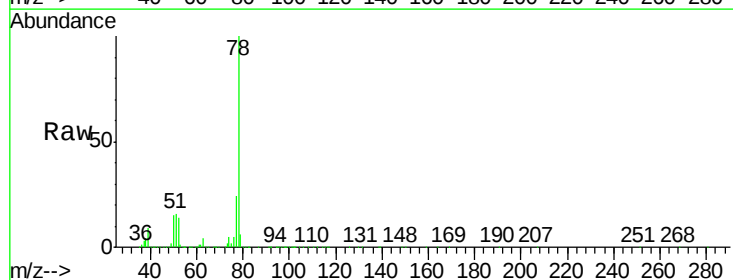
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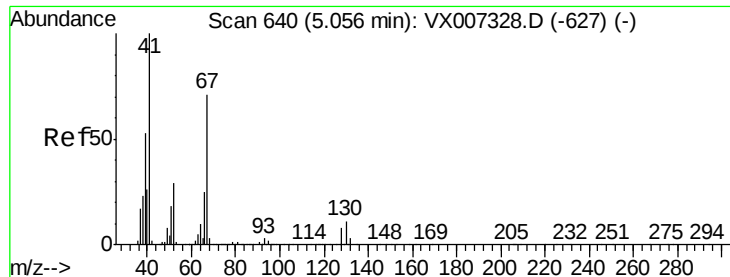
MMDadoda
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#40
Benzene
Concen: 18.347 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX007604.D
Acq: 19 Feb 2019 11:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.3	28.9





#41

Methacrylonitrile

Concen: 19.766 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA_X

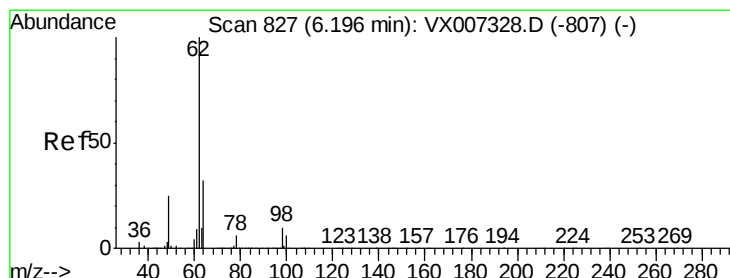
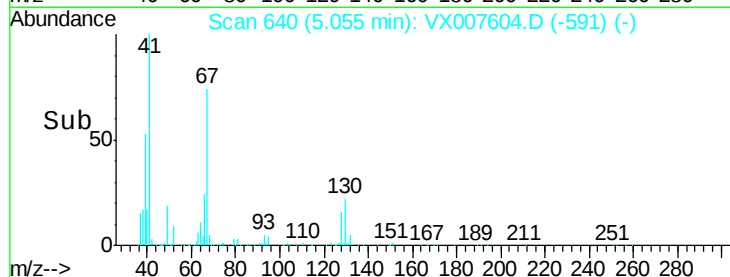
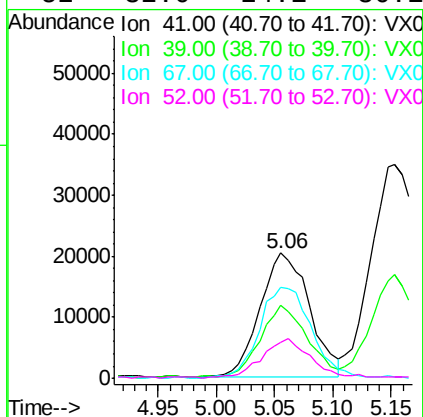
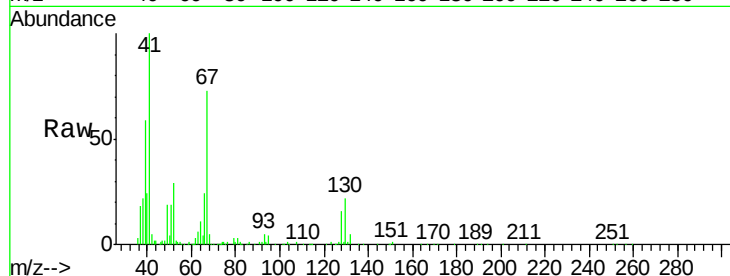
ClientSampleId :

VX0219WBS01

Tot Ion:	41	Resp:	59580
Ion	Ratio	Lower	Upper
41	100		
39	54.6	44.5	66.7
67	76.6	60.4	90.6
52	32.0	24.1	36.1

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 18.688 ug/l

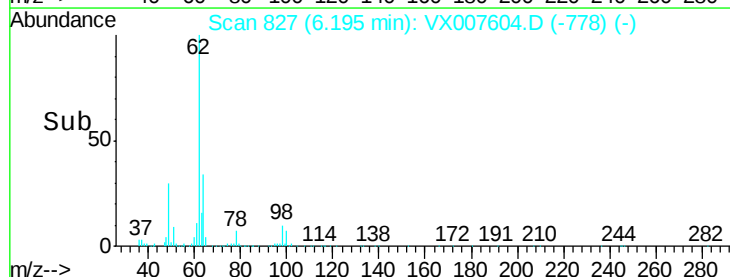
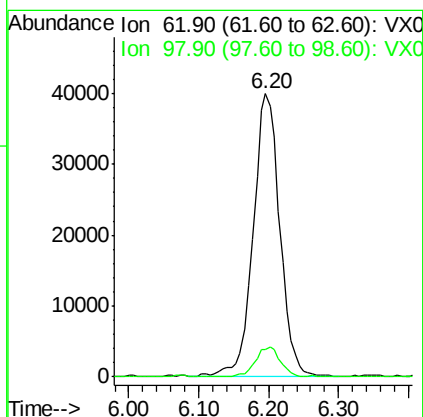
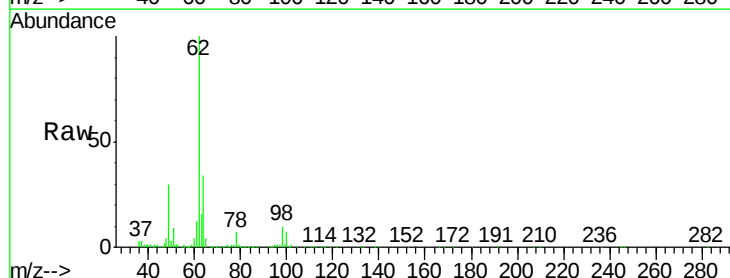
RT: 6.20 min Scan# 827

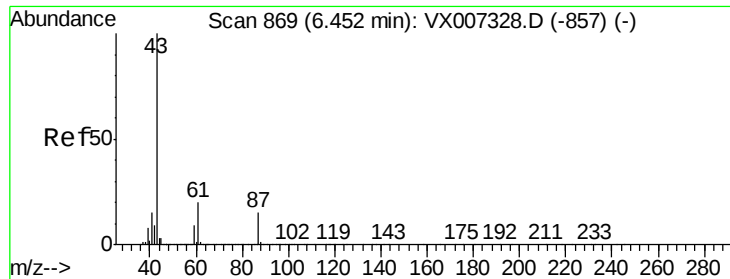
Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Tgt Ion:	62	Resp:	105968
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.0





#43

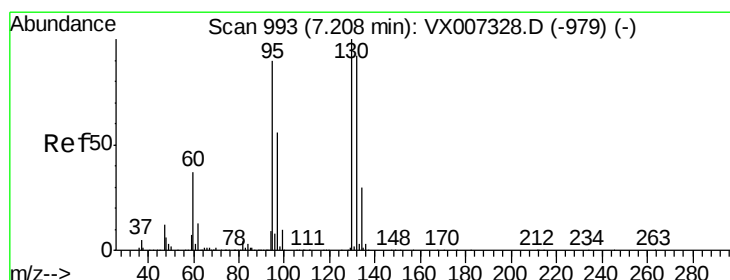
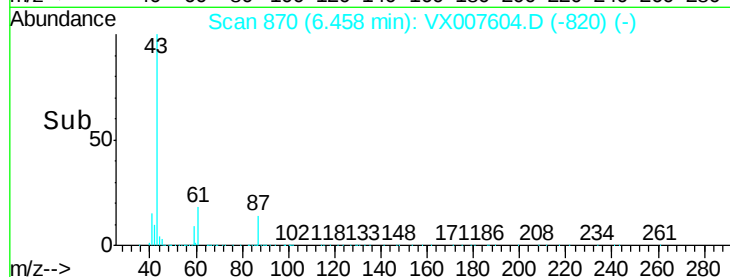
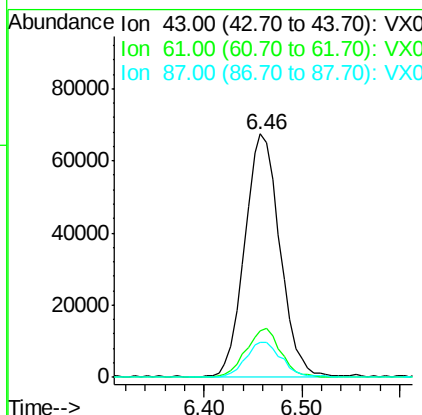
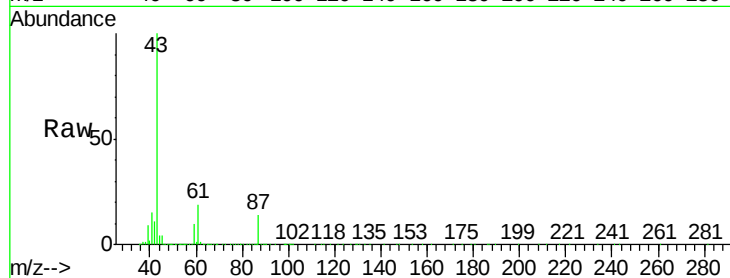
Isopropyl Acetate
 Concen: 19.443 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.01 min
 Lab File: VX007604.D
 Acq: 19 Feb 2019 11:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0219WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.1	16.1	24.1
87	15.0	11.5	17.3

Manual Integrations
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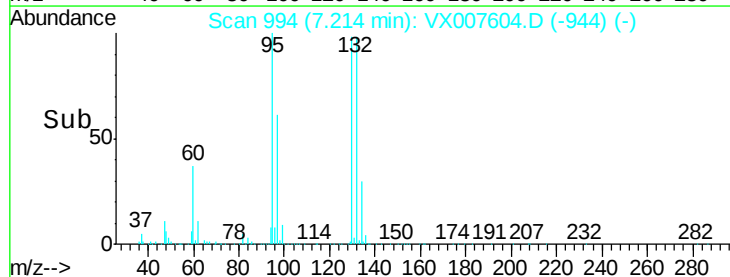
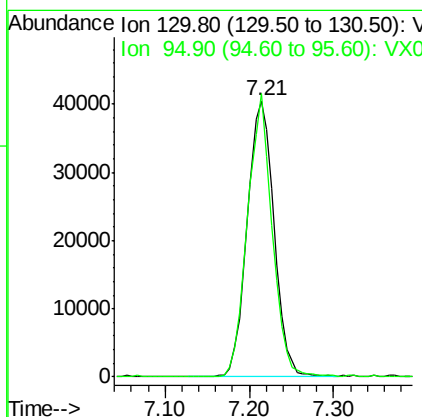
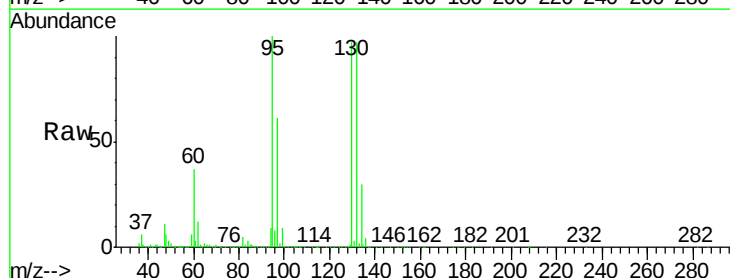
MMDadoda
 2/20/2019 10:33:01 AM

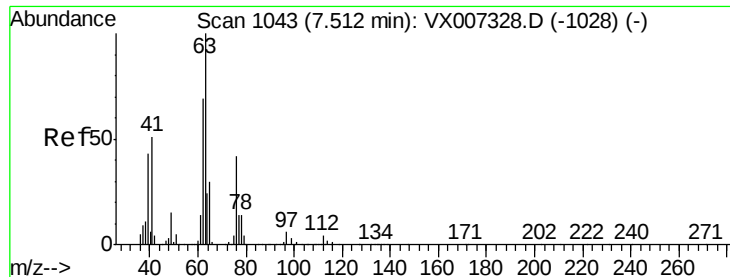


#44

Trichloroethene
 Concen: 17.657 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX007604.D
 Acq: 19 Feb 2019 11:10

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	180.0





#45

1,2-Dichloropropane

Concen: 18.694 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA_X

ClientSampleId :

VX0219WBS01

Tot Ion: 63 Resp: 76763

Ion Ratio Lower Upper

63 100

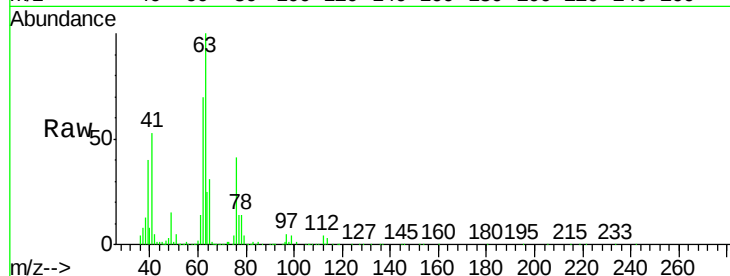
65 30.9 24.2 36.2

Manual Integrations

APPROVED

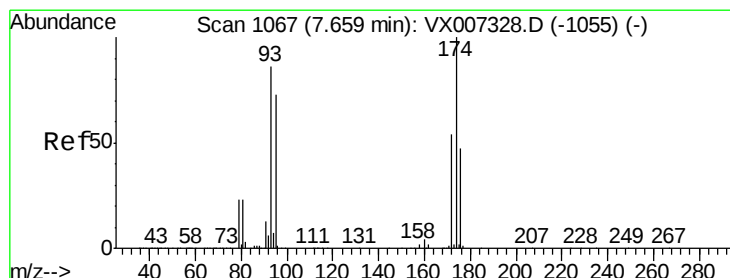
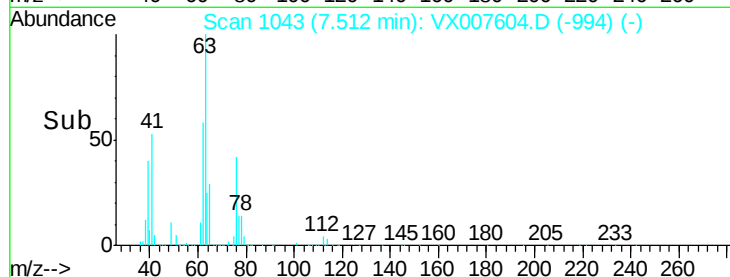
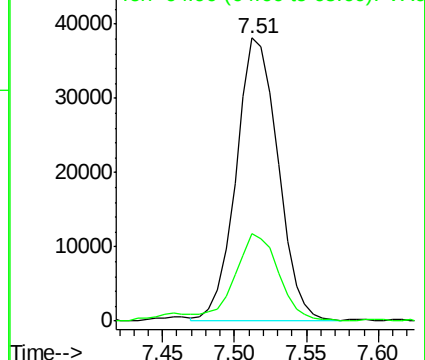
MMDadoda

2/20/2019 10:33:01 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 18.332 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

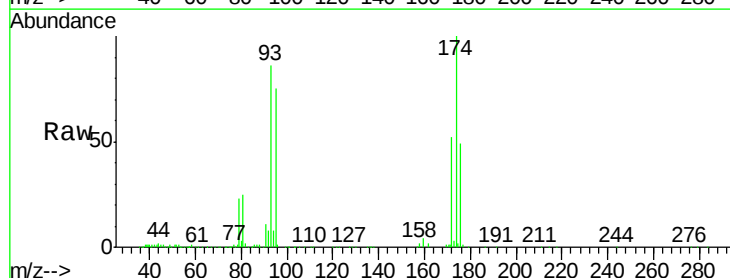
Tgt Ion: 93 Resp: 54711

Ion Ratio Lower Upper

93 100

95 84.2 67.6 101.4

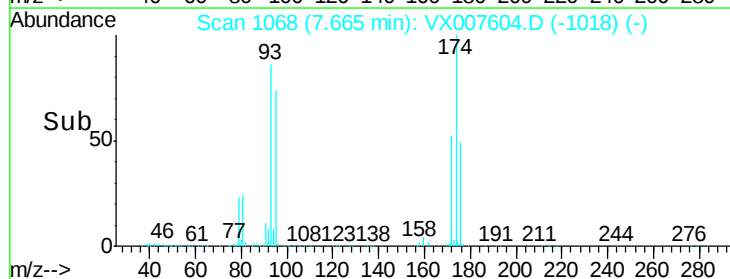
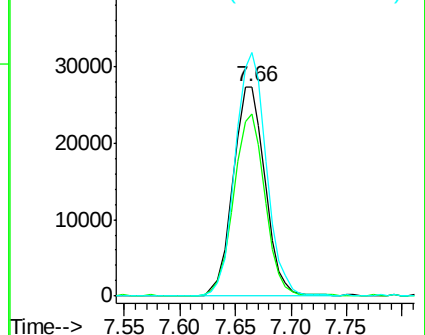
174 113.0 94.2 141.4

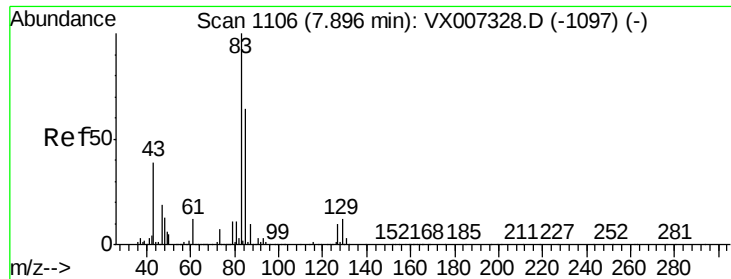


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.213 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA_X

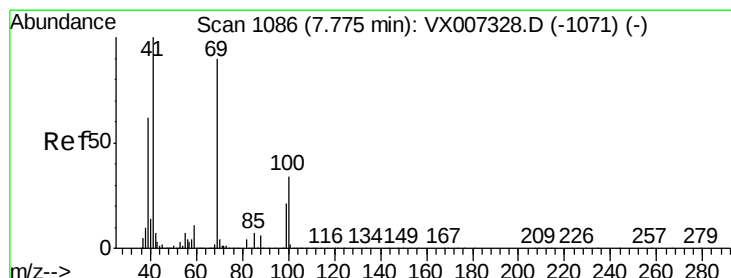
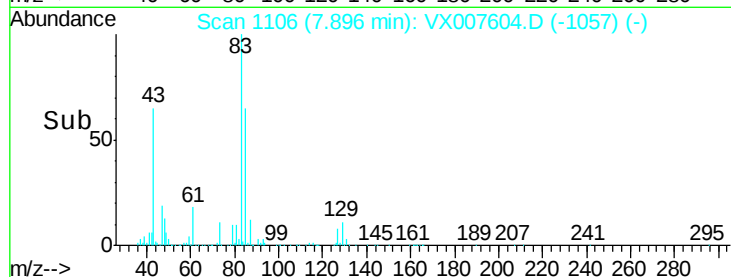
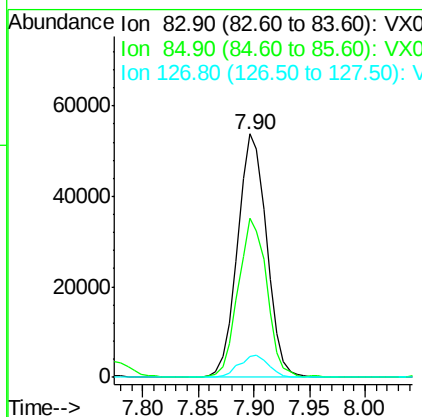
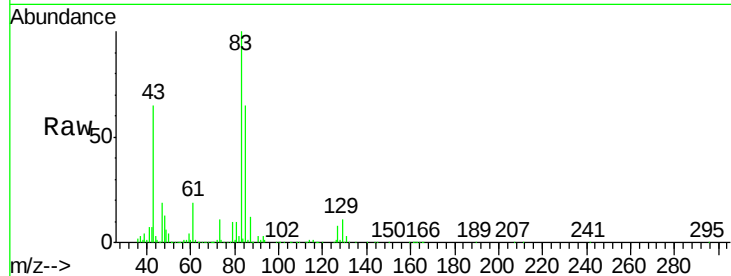
ClientSampleId :

VX0219WBS01

Tot Ion:	83	Resp:	97181
Ion Ratio	Lower	Upper	
83	100		
85	65.3	51.4	77.0
127	8.5	8.1	12.1

Manual Integrations
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2/20/2019 10:33:01 AM



#48

Methyl methacrylate

Concen: 19.648 ug/l

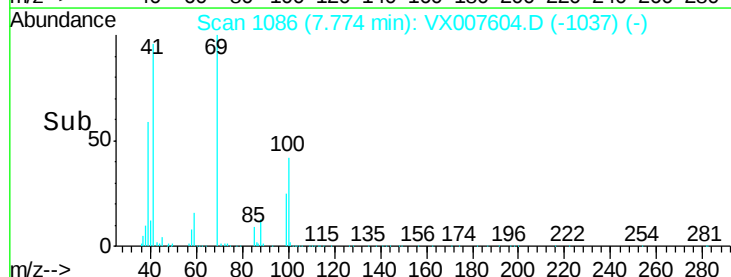
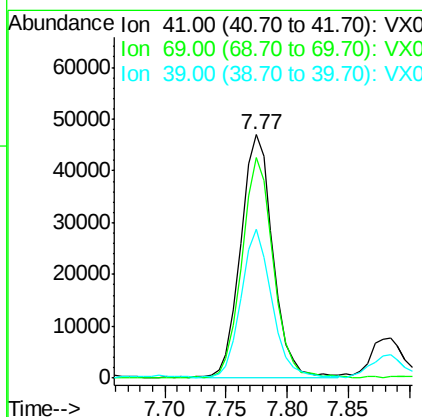
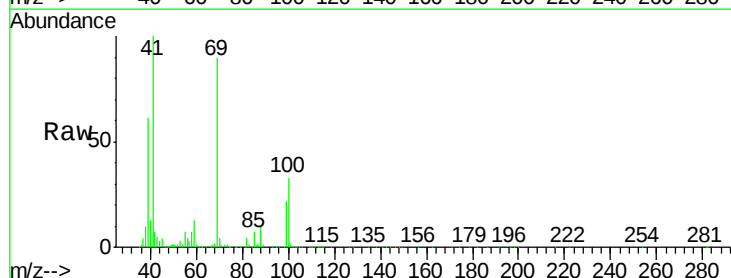
RT: 7.77 min Scan# 1086

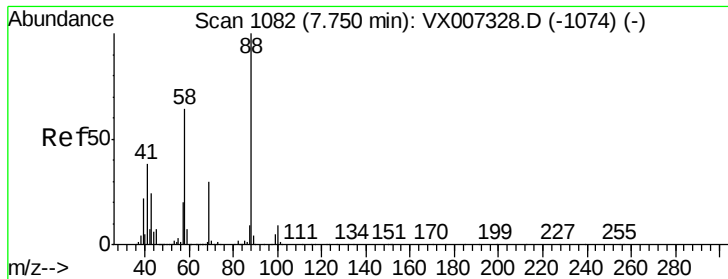
Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Tgt Ion:	41	Resp:	85316
Ion Ratio	Lower	Upper	
41	100		
69	89.1	70.2	105.4
39	58.2	47.4	71.0





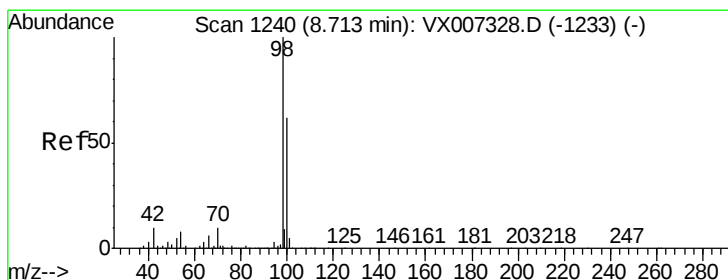
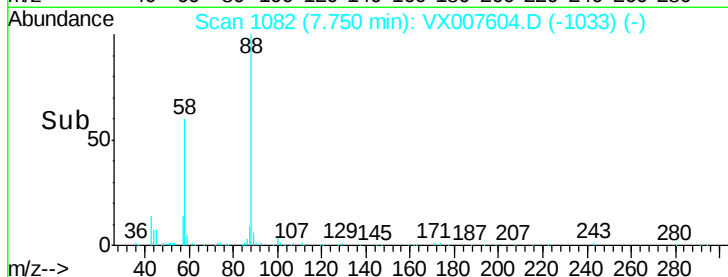
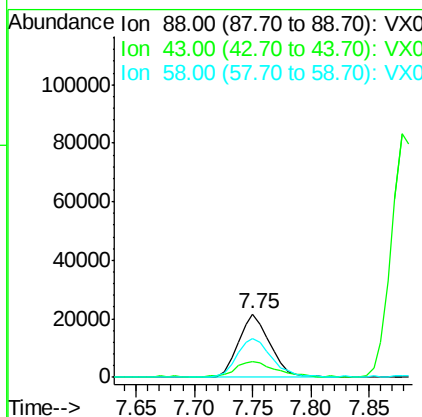
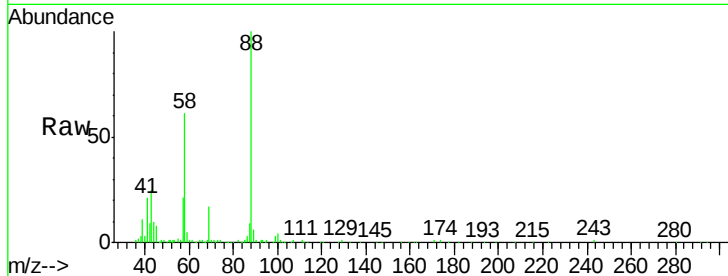
#49
1,4-Dioxane
Concen: 416.687 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007604.D
Acq: 19 Feb 2019 11:10

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.8	24.2	36.4
58	66.2	53.0	79.4

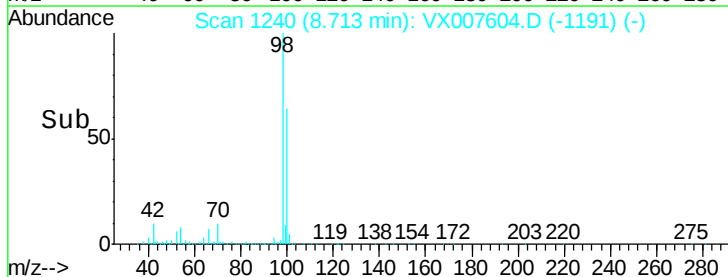
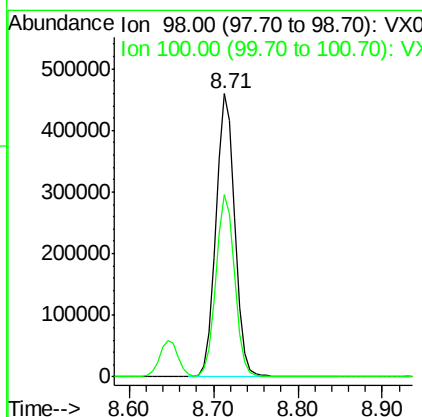
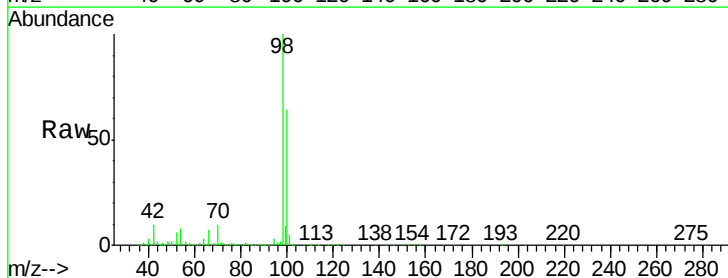
Manual Integrations
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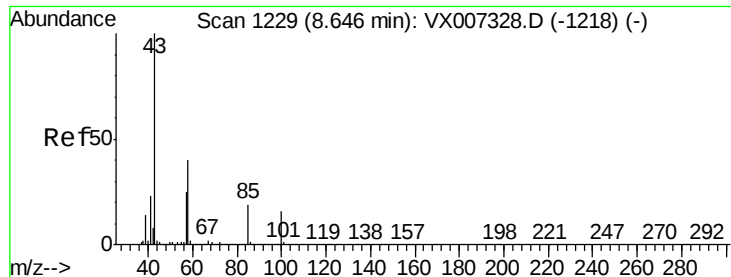
MMDadoda
2/20/2019 10:33:01 AM



#50
Toluene-d8
Concen: 47.646 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007604.D
Acq: 19 Feb 2019 11:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.6	77.4





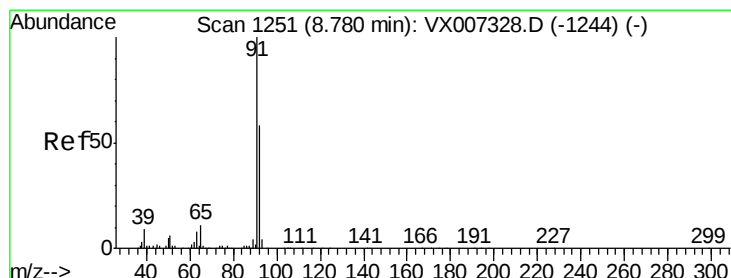
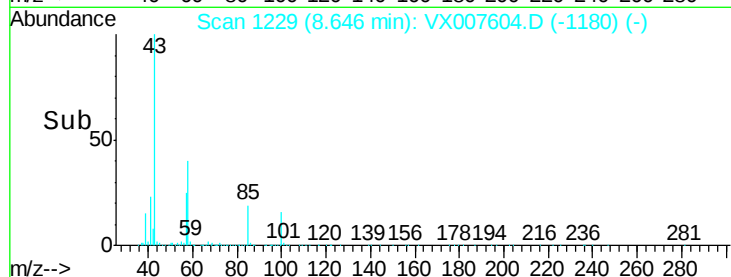
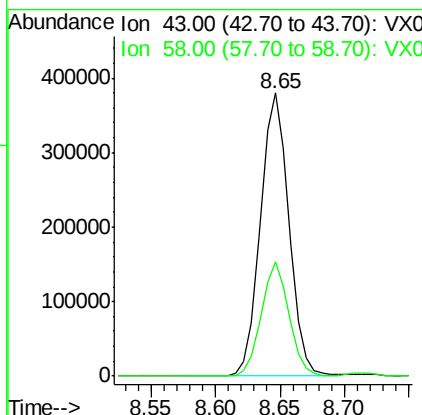
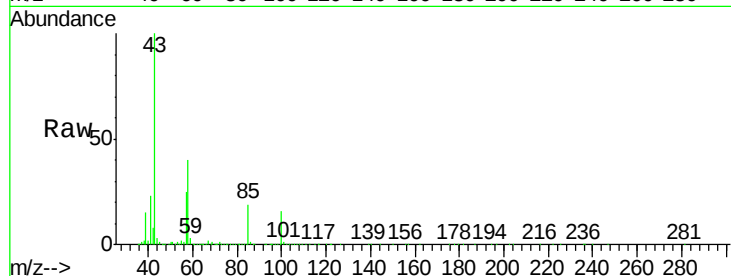
#51
4-Methyl-2-Pentanone
Concen: 101.241 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VX007604.D
Acq: 19 Feb 2019 11:10

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.3	31.2	46.8

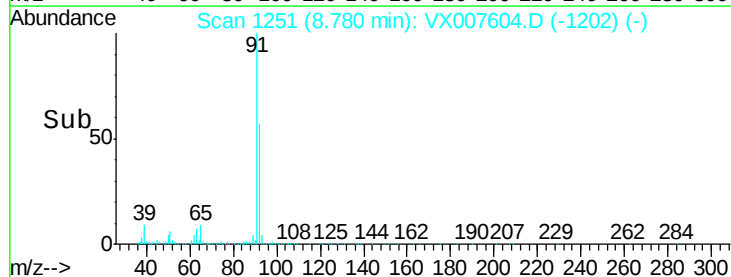
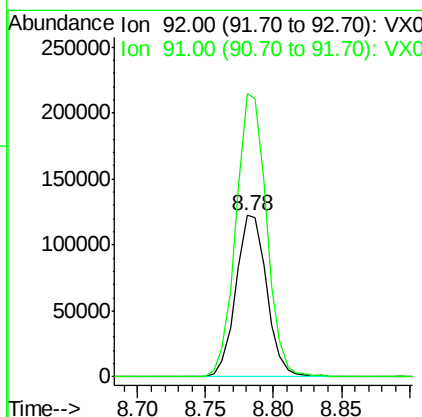
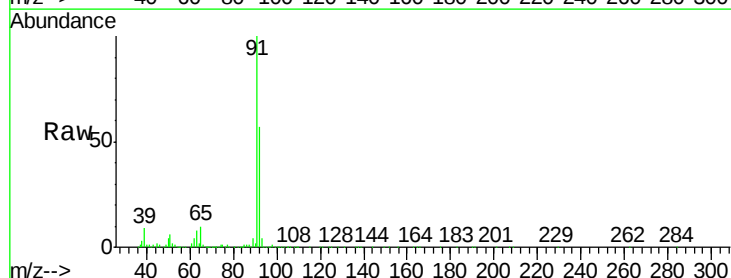
Manual Integrations
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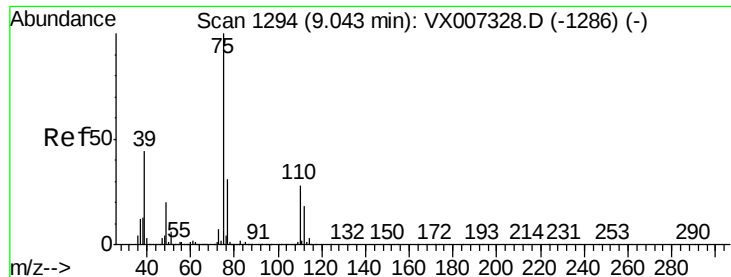
MMDadoda
2/20/2019 10:33:01 AM



#52
Toluene
Concen: 18.348 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VX007604.D
Acq: 19 Feb 2019 11:10

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.6	139.1	208.7





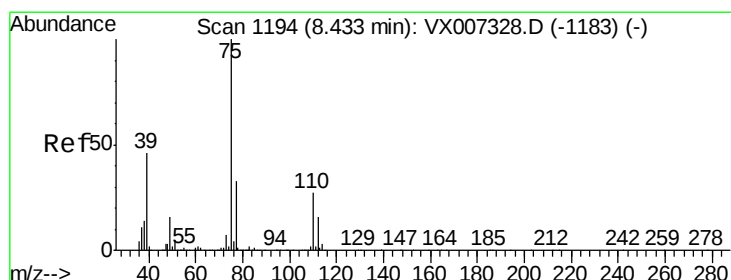
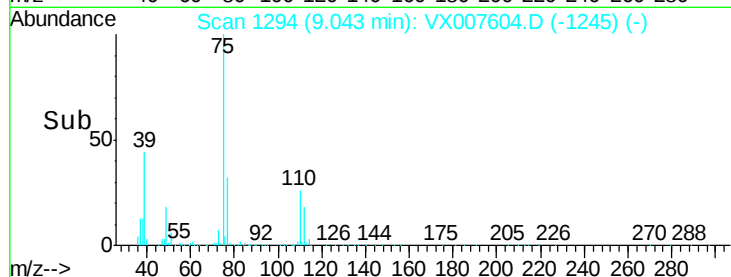
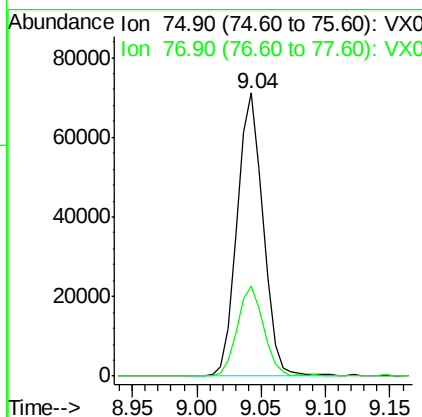
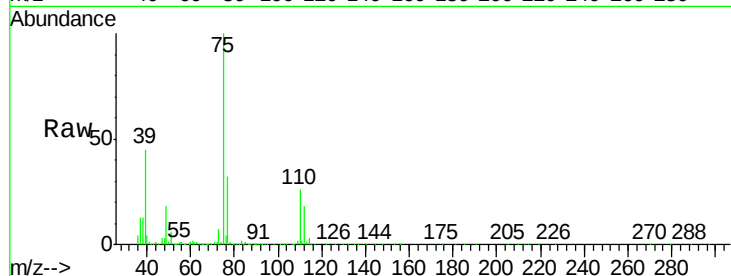
#53
t-1,3-Dichloropropene
Concen: 18.391 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX007604.D
Acq: 19 Feb 2019 11:10

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.2	37.8

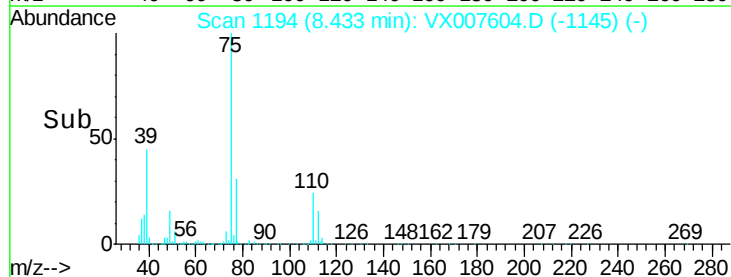
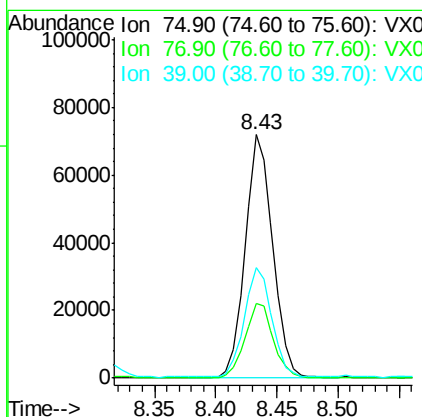
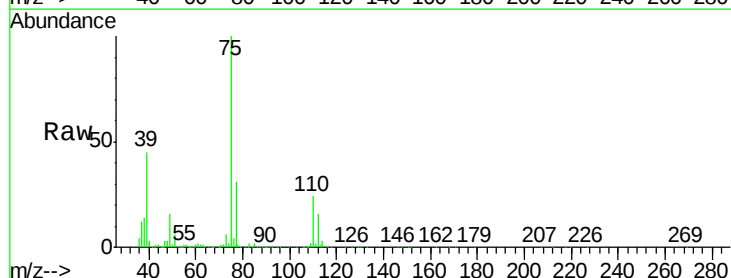
Manual Integrations
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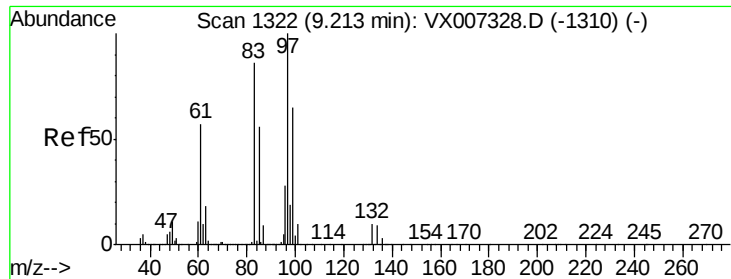
MMDadoda
2/20/2019 10:33:01 AM



#54
cis-1,3-Dichloropropene
Concen: 18.752 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX007604.D
Acq: 19 Feb 2019 11:10

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.6	26.2	39.4
39	44.8	37.1	55.7





#55

1,1,2-Trichloroethane

Concen: 19.476 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA_X

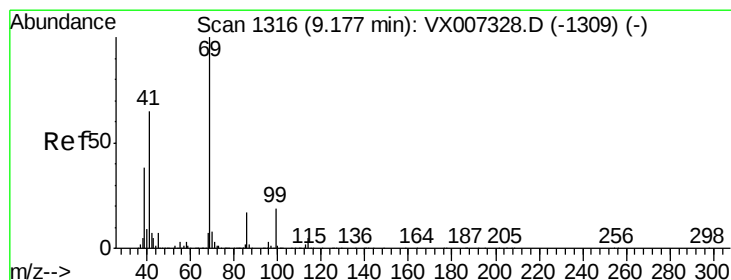
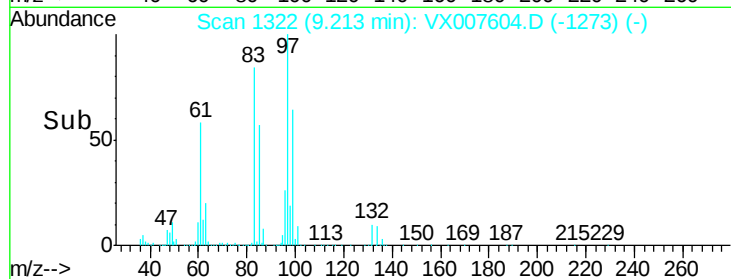
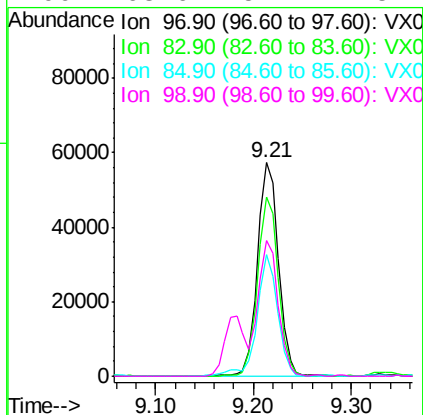
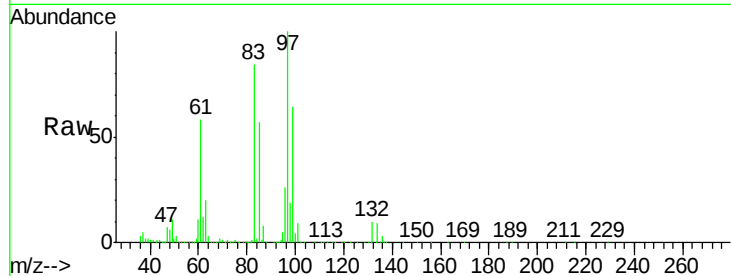
ClientSampleId :

VX0219WBS01

Tot Ion:	97	Resp:	85842
Ion	Ratio	Lower	Upper
97	100		
83	84.1	68.6	102.8
85	56.7	44.5	66.7
99	63.6	52.2	78.4

Manual Integrations
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#56

Ethyl methacrylate

Concen: 18.408 ug/l

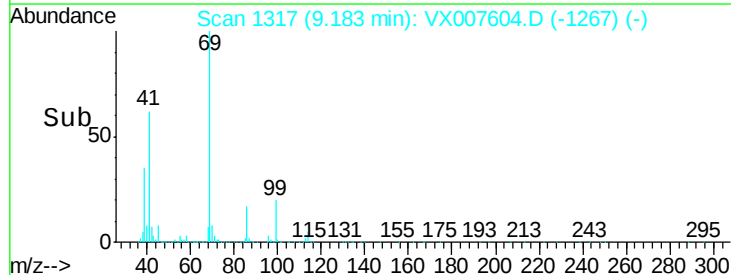
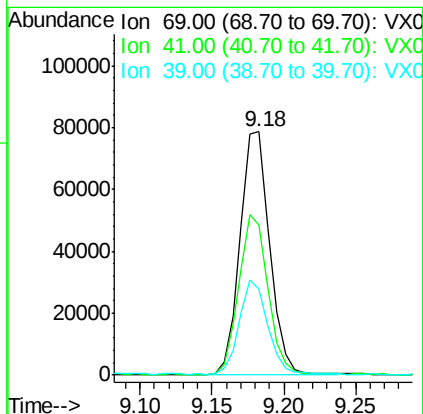
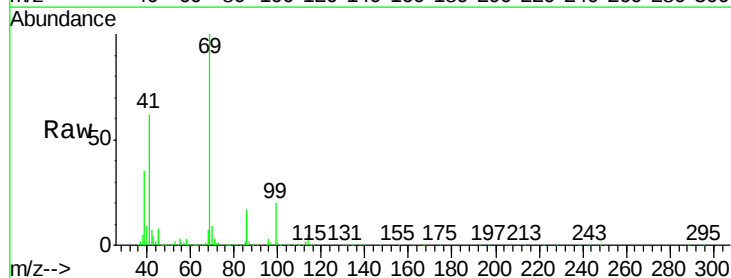
RT: 9.18 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Tgt Ion:	69	Resp:	112373
Ion	Ratio	Lower	Upper
69	100		
41	64.1	52.1	78.1
39	37.6	30.1	45.1





#57

1,3-Dichloropropane

Concen: 18.829 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA_X

ClientSampleId :

VX0219WBS01

Tot Ion: 76 Resp: 131980

Ion Ratio Lower Upper

76 100

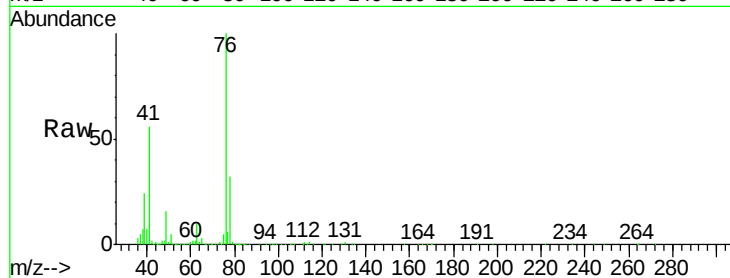
78 32.7 25.8 38.8

Manual Integrations

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2/20/2019 10:33:01 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

100000

80000

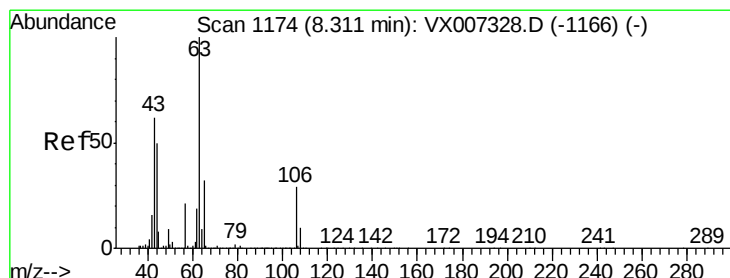
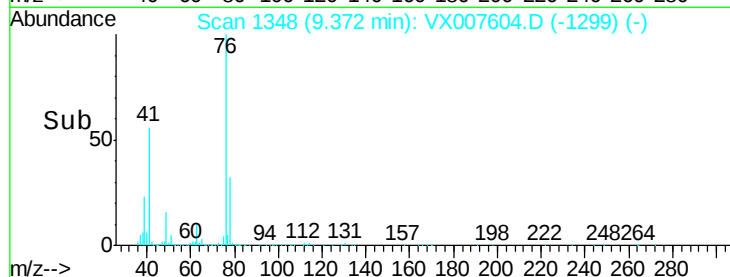
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 100.992 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX007604.D

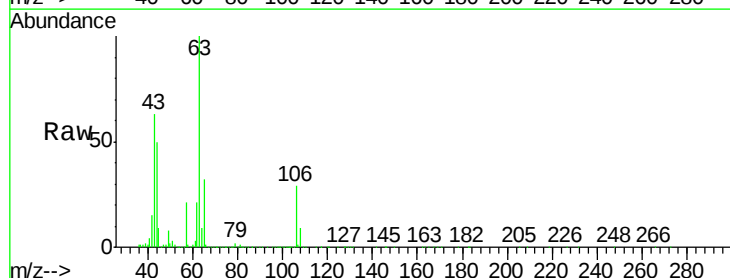
Acq: 19 Feb 2019 11:10

Tgt Ion: 63 Resp: 324959

Ion Ratio Lower Upper

63 100

106 30.2 23.6 35.4



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

250000

200000

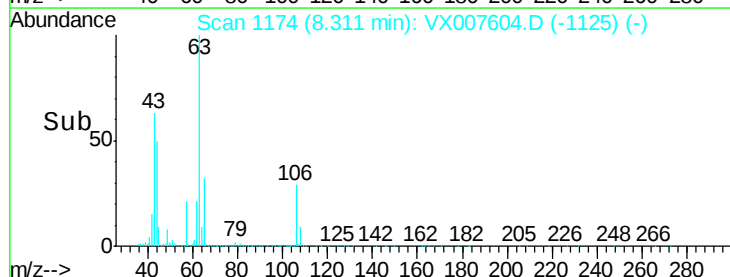
150000

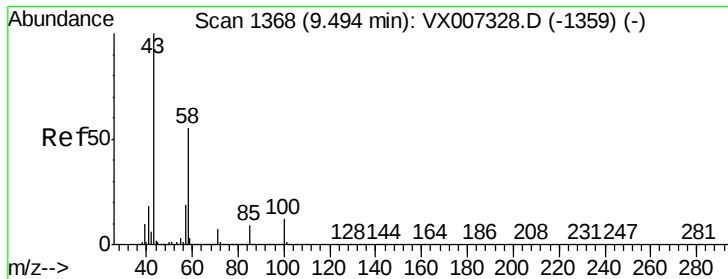
100000

50000

0

Time-->





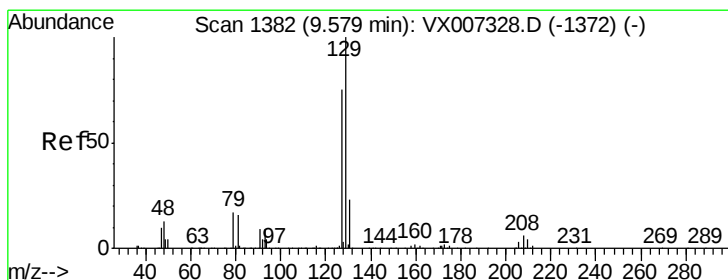
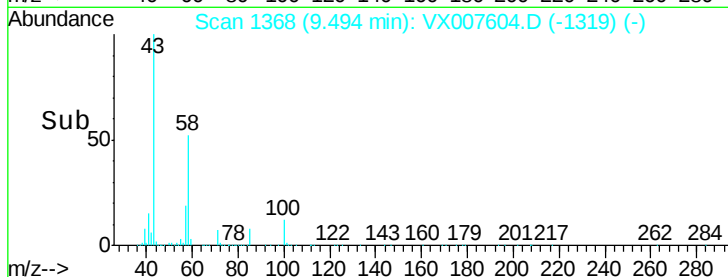
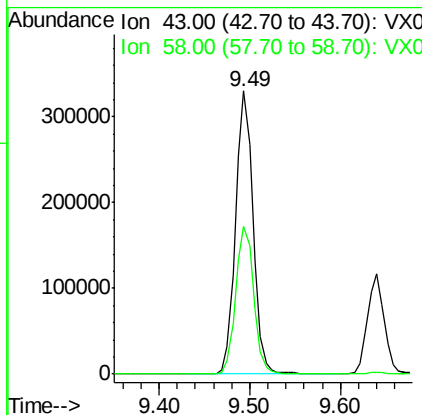
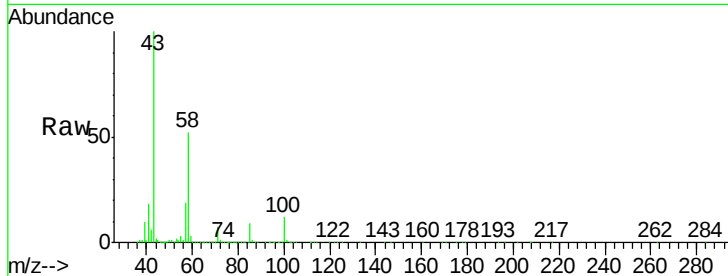
#59
2-Hexanone
Concen: 99.382 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007604.D
Acq: 19 Feb 2019 11:10

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBS01

Tot Ion: 43 Resp: 441958
Ion Ratio Lower Upper
43 100
58 54.0 27.1 81.3

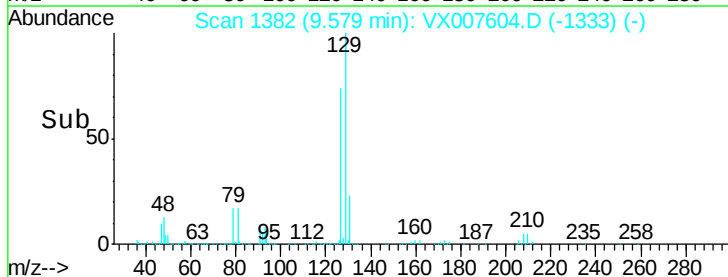
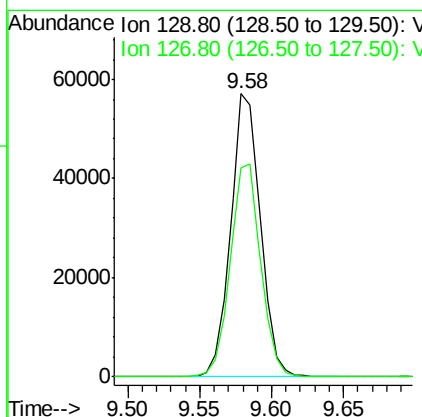
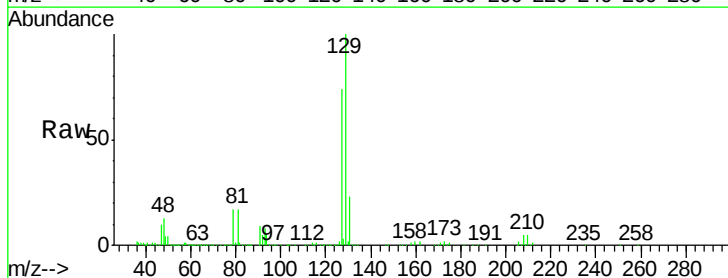
Manual Integrations
APPROVED

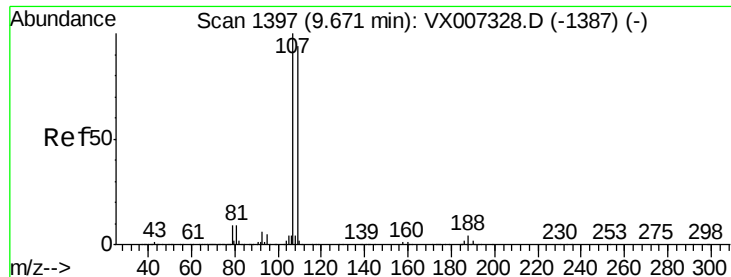
MMDadoda
2/20/2019 10:33:01 AM



#60
Dibromochloromethane
Concen: 19.806 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX007604.D
Acq: 19 Feb 2019 11:10

Tgt Ion: 129 Resp: 82563
Ion Ratio Lower Upper
129 100
127 77.1 37.8 113.4





#61

1,2-Dibromoethane

Concen: 18.814 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA_X

ClientSampleId :

VX0219WBS01

Tot Ion: 107 Resp: 87819

Ion Ratio Lower Upper

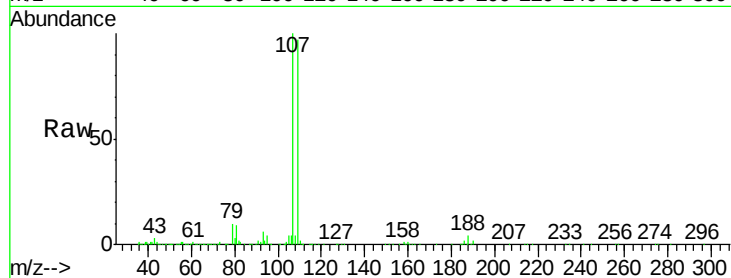
107 100

109 94.5 75.1 112.7

Manual Integrations
APPROVED

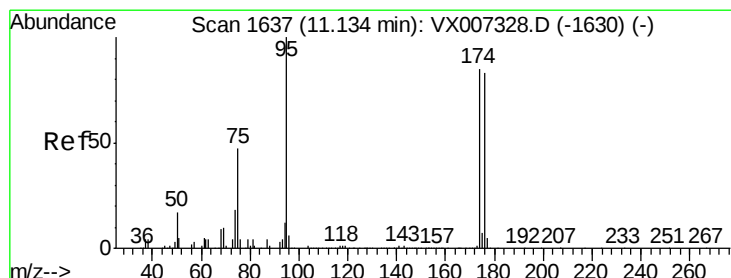
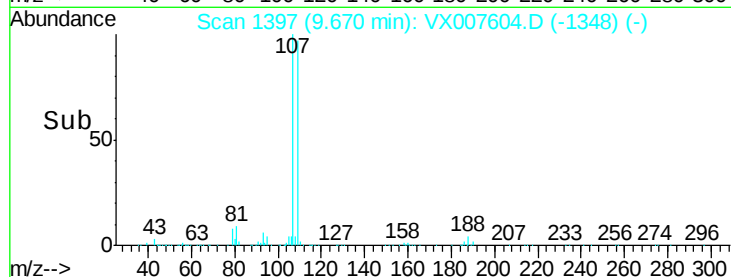
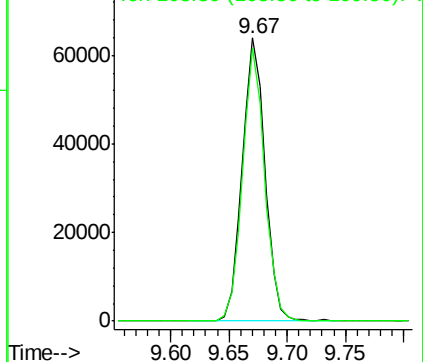
MMDadoda

2/20/2019 10:33:01 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.254 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

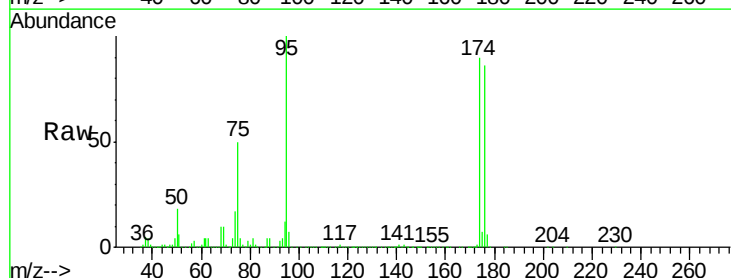
Tgt Ion: 95 Resp: 252795

Ion Ratio Lower Upper

95 100

174 94.4 0.0 189.2

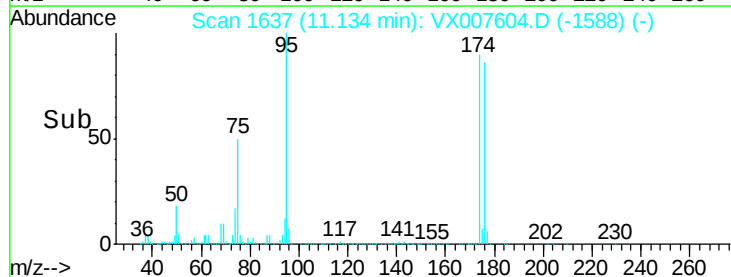
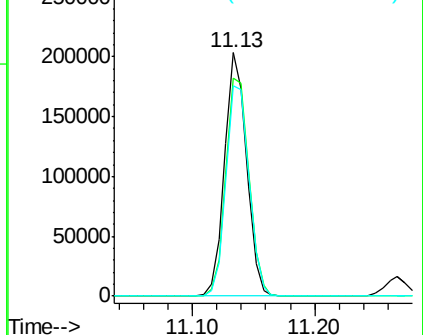
176 90.9 0.0 186.2

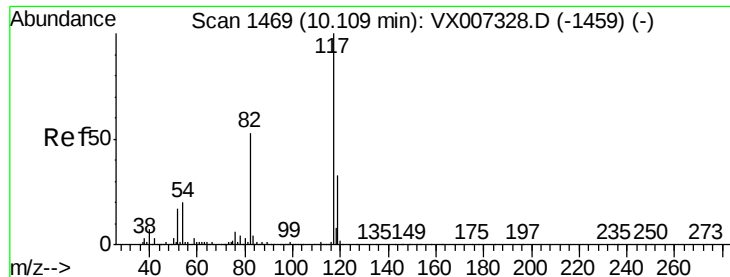


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





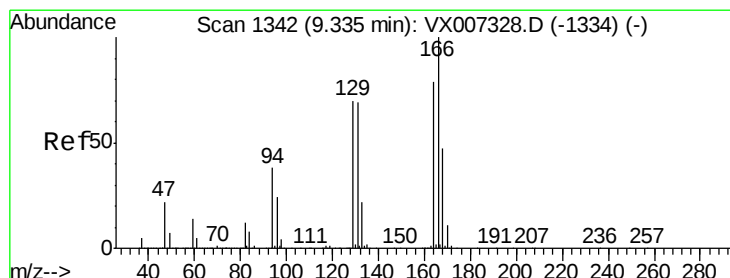
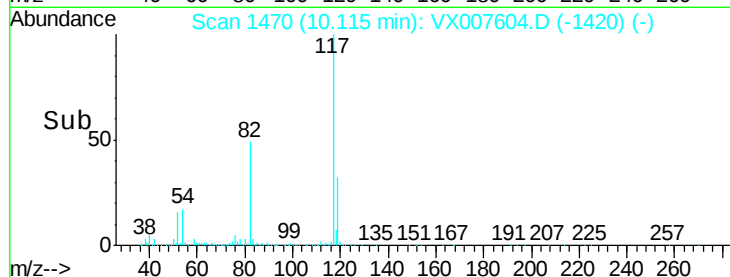
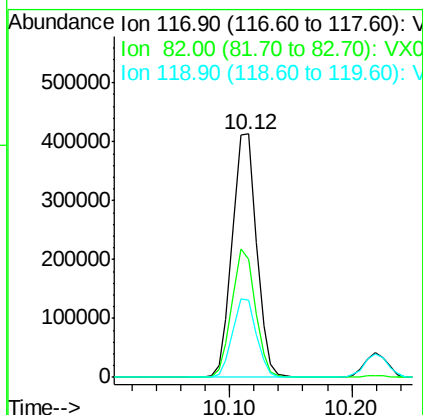
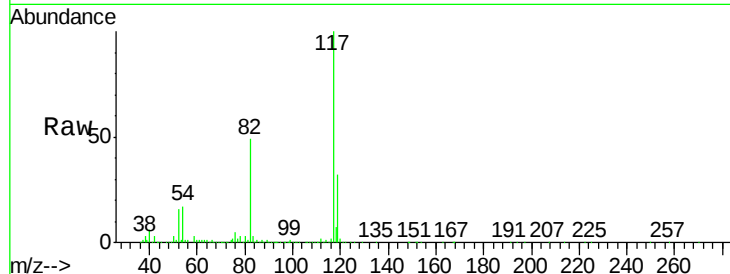
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007604.D
Acq: 19 Feb 2019 11:10

Instrument :
MSVOA_X
ClientSampled :
VX0219WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	48.7	42.1	63.1
119	31.8	26.5	39.7

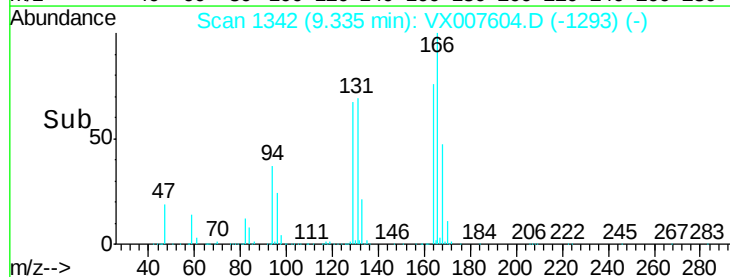
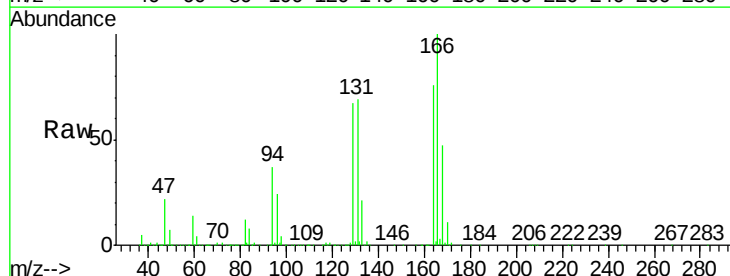
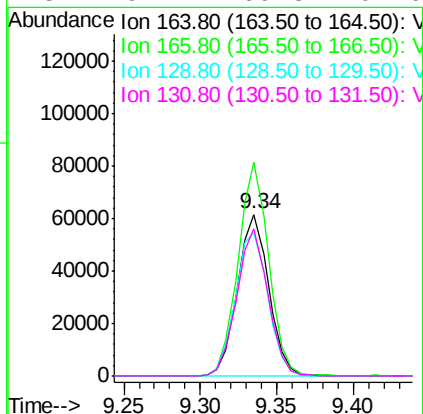
Manual Integrations
APPROVED

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2/20/2019 10:33:01 AM



#64
Tetrachloroethene
Concen: 16.313 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007604.D
Acq: 19 Feb 2019 11:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.1	101.0	151.4
129	88.8	70.5	105.7
131	91.1	69.8	104.6





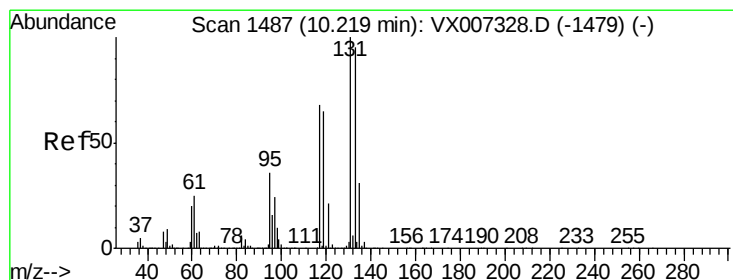
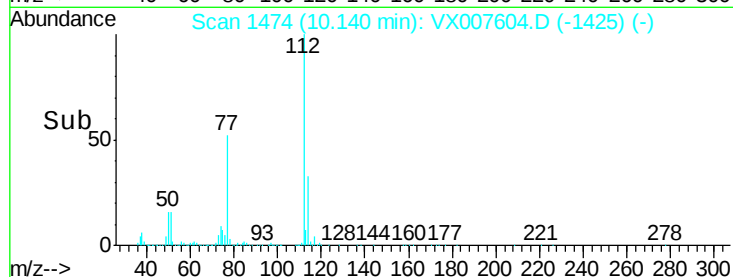
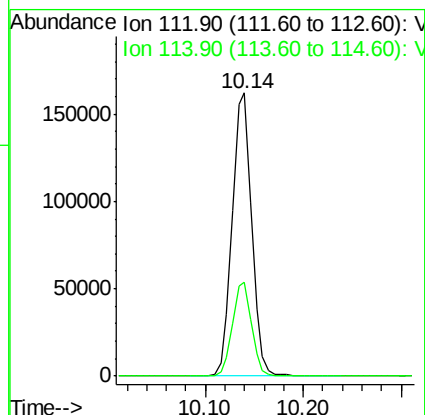
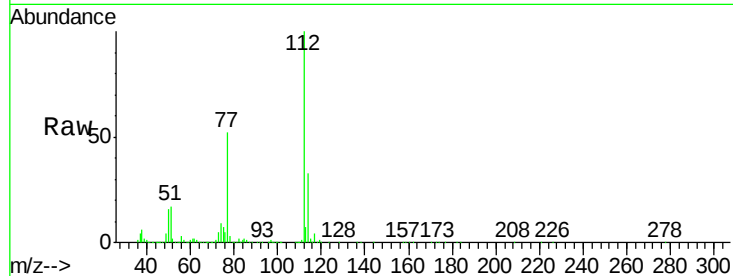
#65
Chlorobenzene
Concen: 18.060 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX007604.D
Acq: 19 Feb 2019 11:10

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBS01

Tot Ion:112 Resp: 224732
Ion Ratio Lower Upper
112 100
114 33.1 25.8 38.6

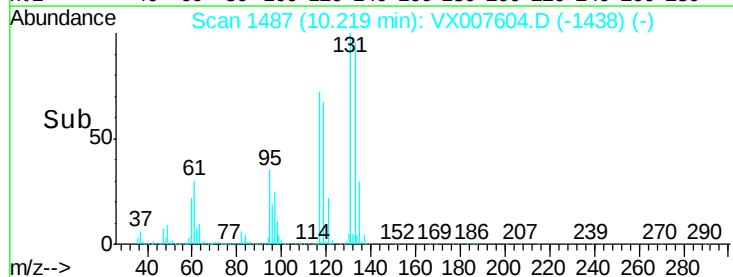
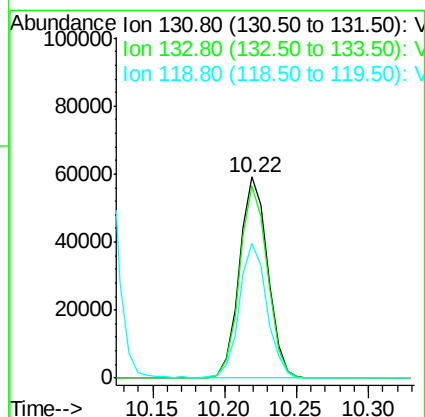
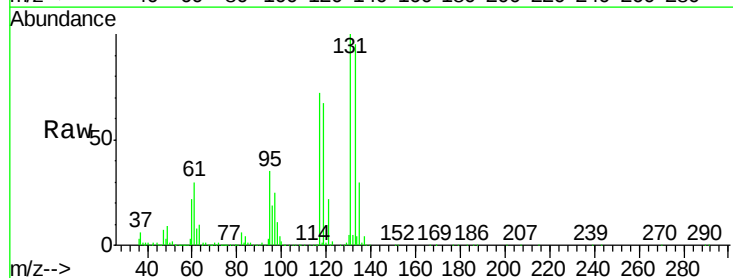
Manual Integrations
APPROVED

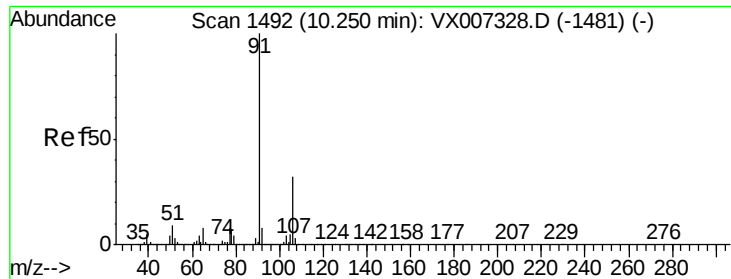
MMDadoda
2/20/2019 10:33:01 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.385 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX007604.D
Acq: 19 Feb 2019 11:10

Tgt Ion:131 Resp: 80871
Ion Ratio Lower Upper
131 100
133 94.2 48.0 144.2
119 65.1 32.0 96.0





#67

Ethyl Benzene

Concen: 17.920 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA_X

ClientSampleId :

VX0219WBS01

Tot Ion: 91 Resp: 359099

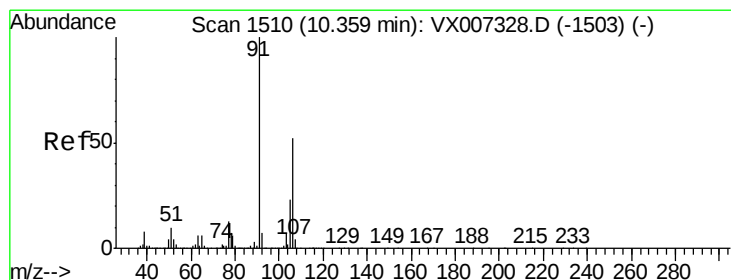
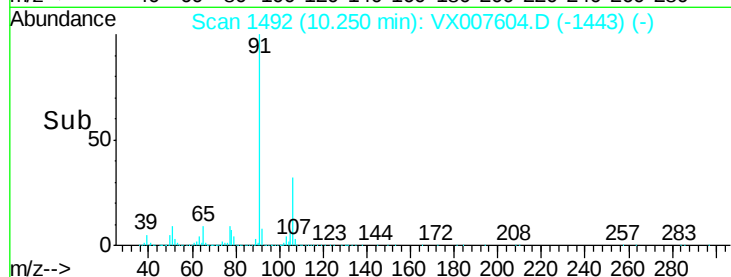
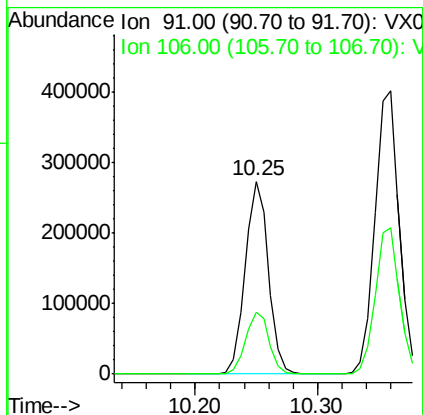
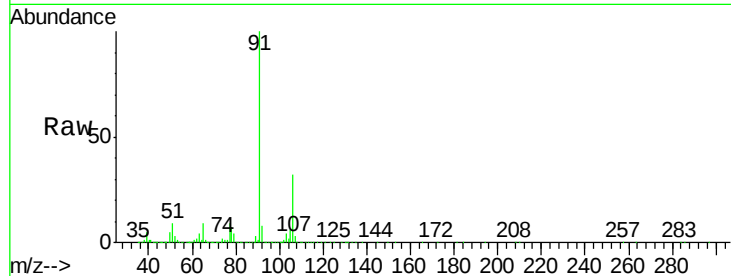
Ion Ratio Lower Upper

91 100

106 32.5 25.4 38.0

Manual Integrations
APPROVED

MMDadoda
2/20/2019 10:33:01 AM



#68

m/p-Xylenes

Concen: 35.848 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007604.D

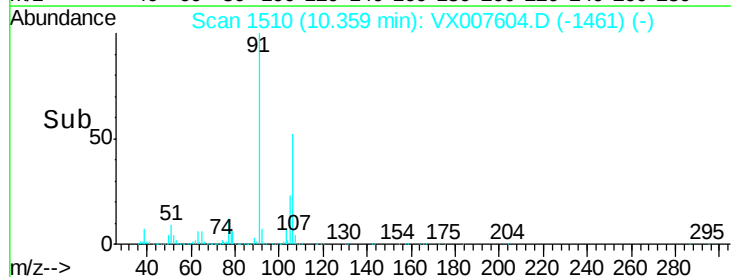
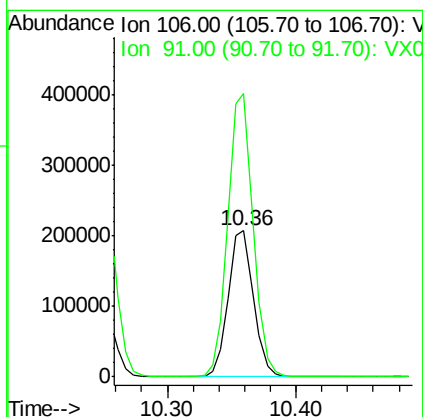
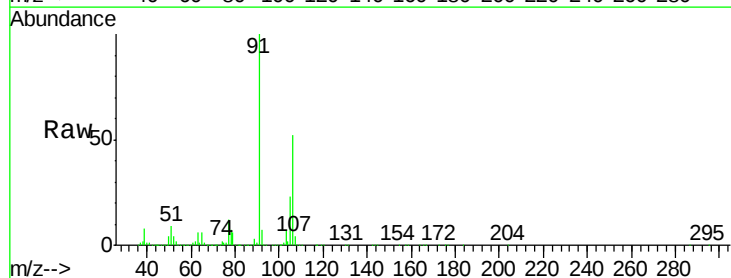
Acq: 19 Feb 2019 11:10

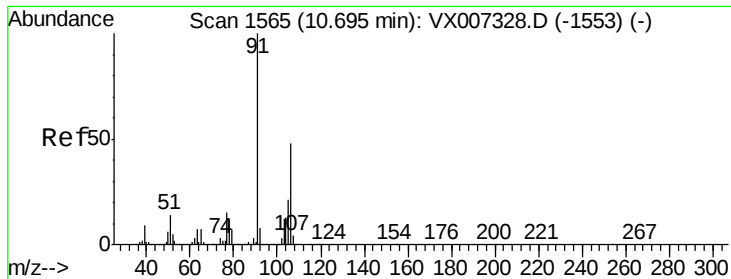
Tgt Ion: 106 Resp: 285546

Ion Ratio Lower Upper

106 100

91 194.3 156.6 234.8





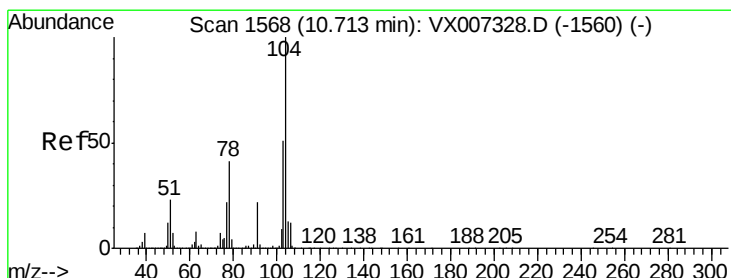
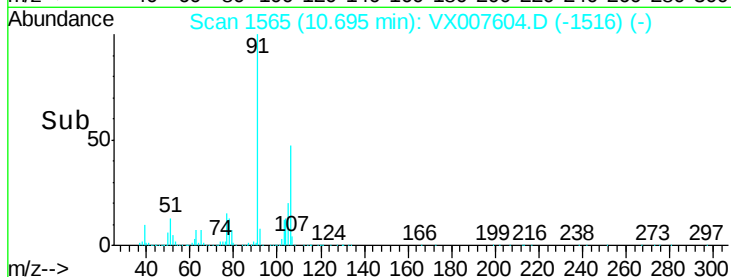
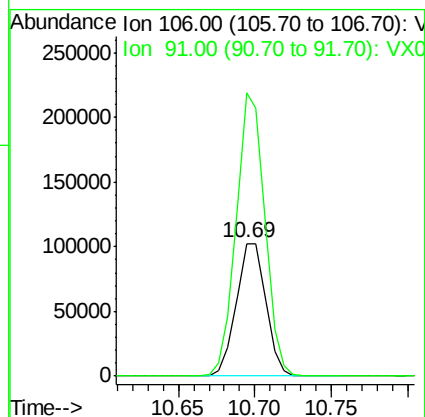
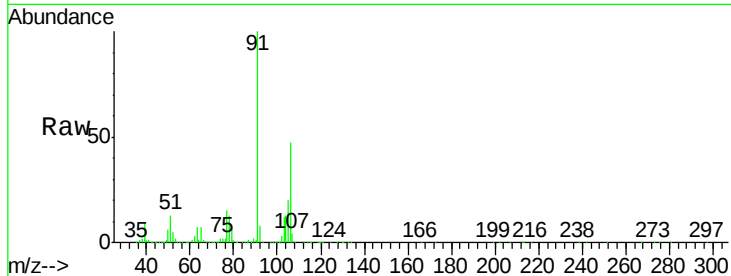
#69
o-Xylene
Concen: 18.099 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX007604.D
Acq: 19 Feb 2019 11:10

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	205.0	102.9	308.7

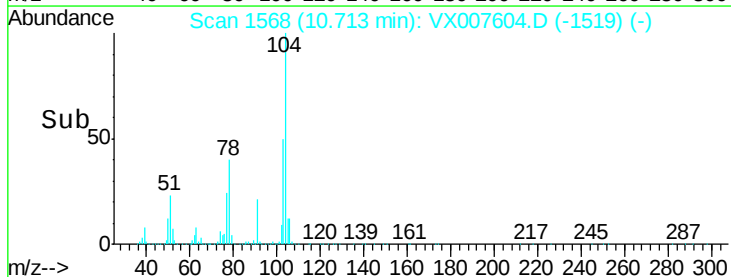
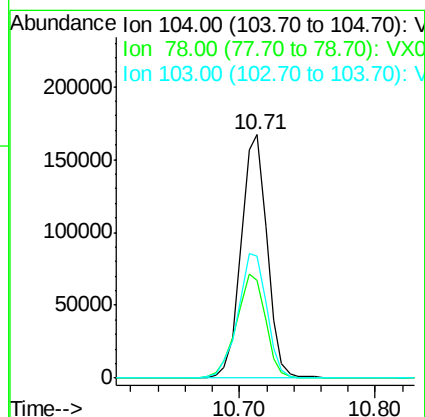
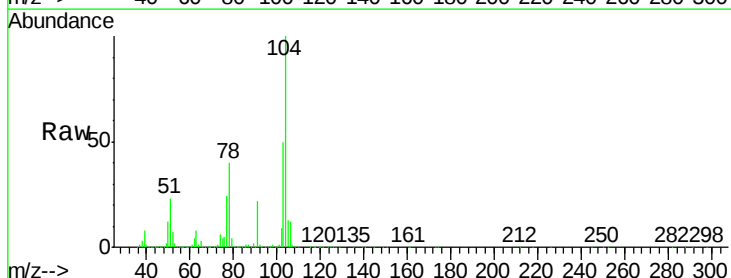
Manual Integrations
APPROVED

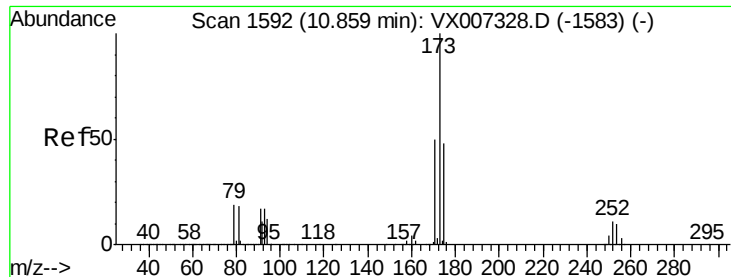
MMDadoda
2/20/2019 10:33:01 AM



#70
Styrene
Concen: 17.944 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007604.D
Acq: 19 Feb 2019 11:10

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.8	38.3	57.5
103	56.8	44.6	67.0





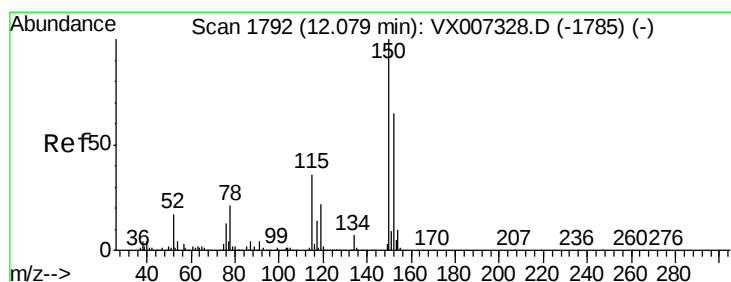
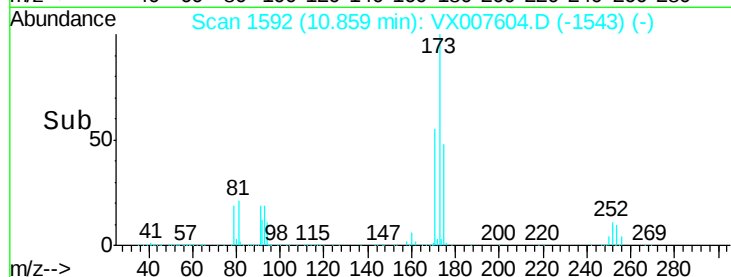
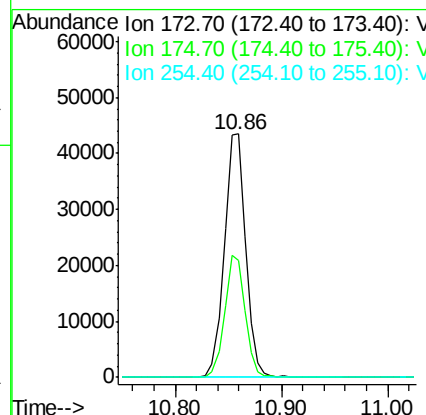
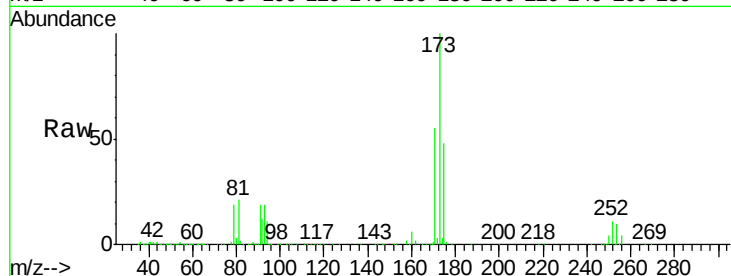
#71
Bromoform
Concen: 19.264 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX007604.D
Acq: 19 Feb 2019 11:10

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.2	72.6
254	0.2	0.2	0.2

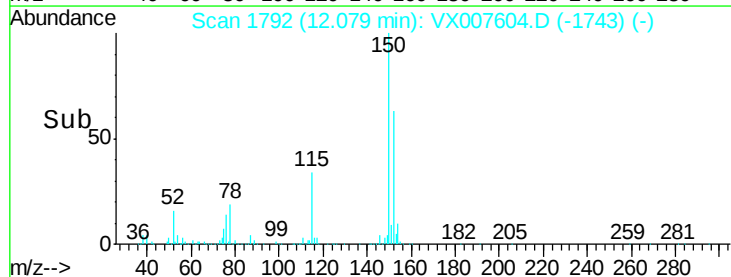
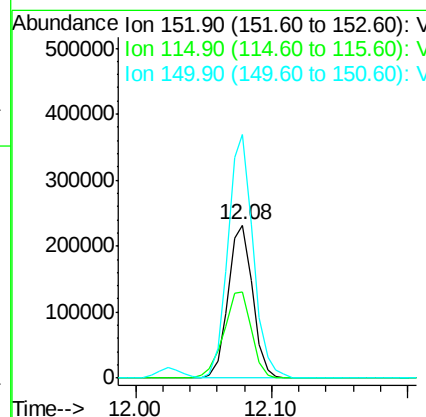
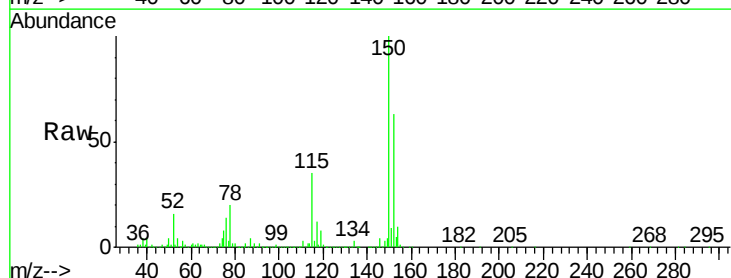
Manual Integrations
APPROVED

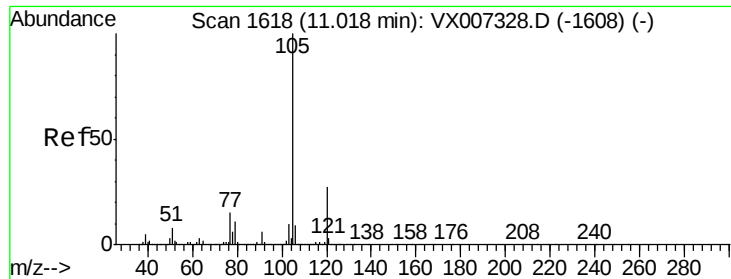
MMDadoda
2/20/2019 10:33:01 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007604.D
Acq: 19 Feb 2019 11:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.8	38.0	114.0
150	164.4	0.0	346.4





#73

Isopropylbenzene

Concen: 19.052 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA_X

ClientSampleId :

VX0219WBS01

Tot Ion:105 Resp: 372373

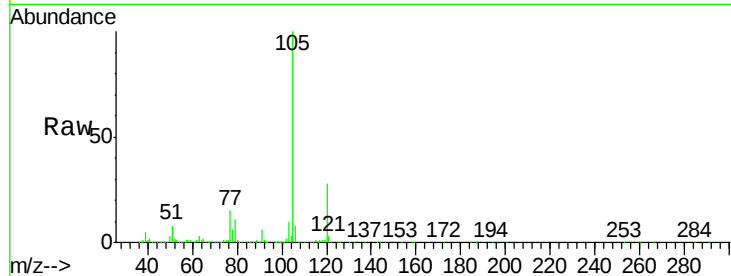
Ion Ratio Lower Upper

105 100

120 27.8 13.6 40.7

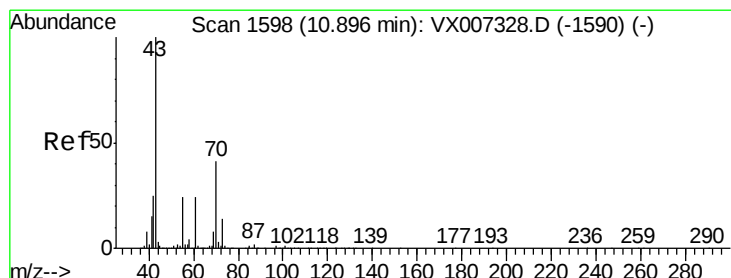
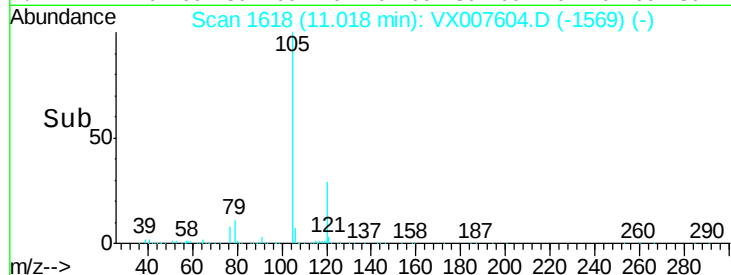
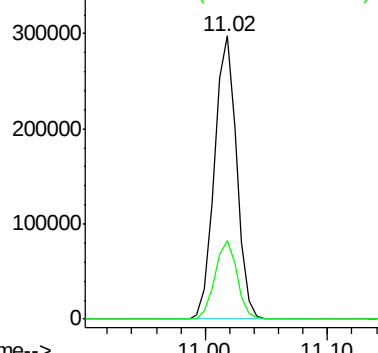
Manual Integrations
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2/20/2019 10:33:01 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.262 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Tgt Ion: 43 Resp: 145612

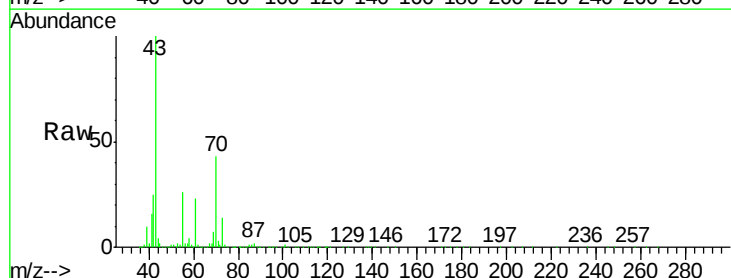
Ion Ratio Lower Upper

43 100

70 42.8 33.8 50.6

55 25.6 19.5 29.3

61 24.1 19.4 29.2

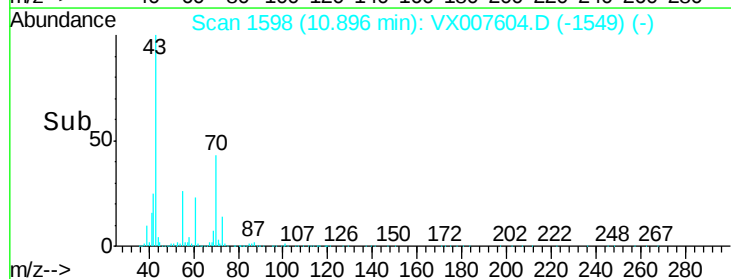
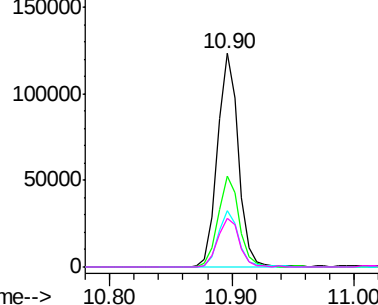


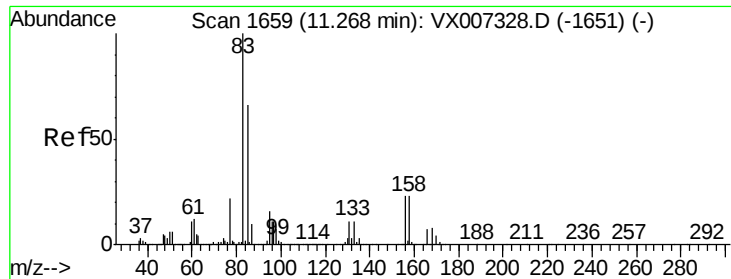
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.686 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA_X

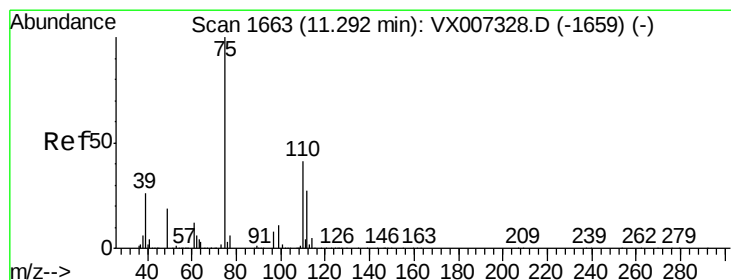
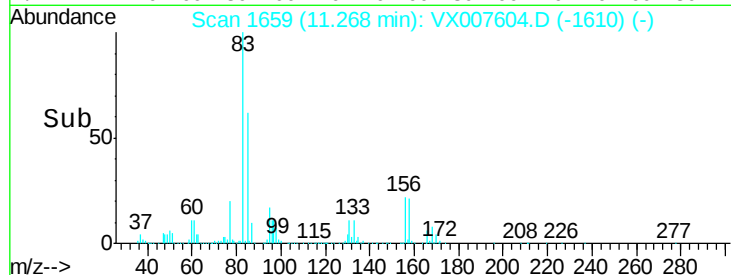
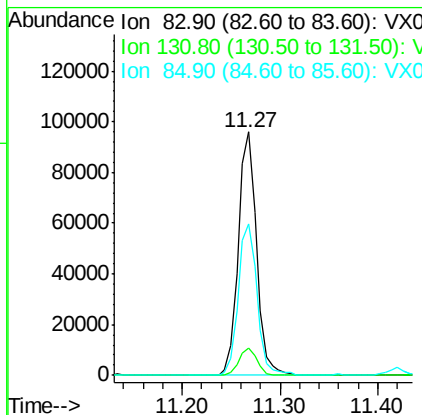
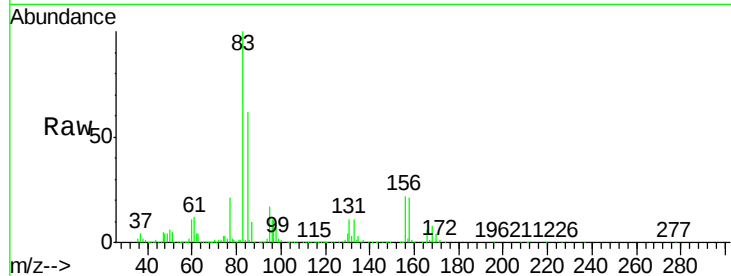
ClientSampleId :

VX0219WBS01

Tot Ion:	83	Resp:	123217
Ion Ratio		Lower	Upper
83	100		
131	11.3	5.7	17.0
85	65.2	32.8	98.3

Manual Integrations
APPROVED

MMDadoda
2/20/2019 10:33:01 AM



#76

1,2,3-Trichloropropane

Concen: 18.151 ug/l m

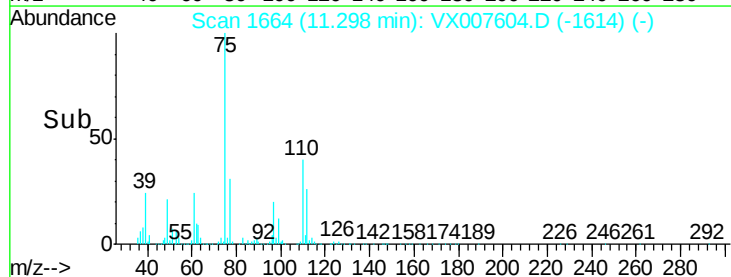
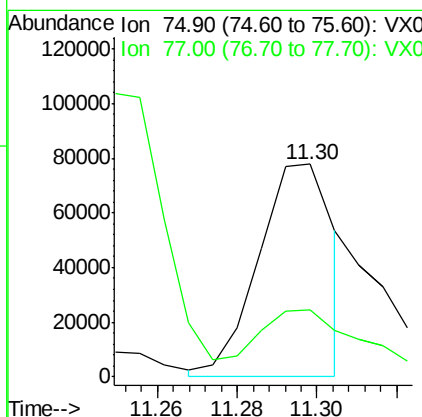
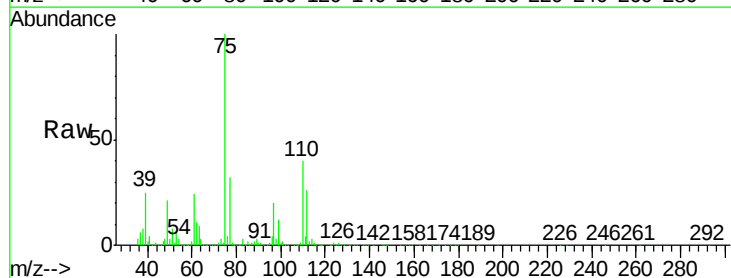
RT: 11.30 min Scan# 1664

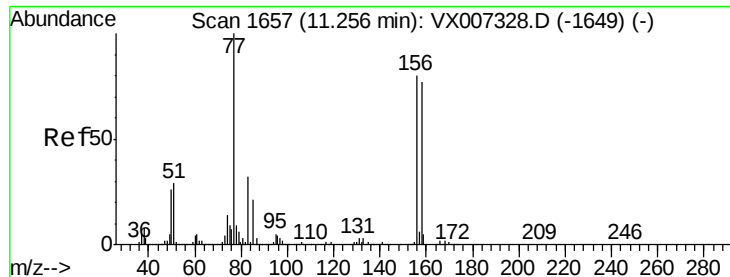
Delta R.T. 0.01 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Tgt Ion:	75	Resp:	101542
Ion Ratio		Lower	Upper
75	100		
77	44.3	23.0	69.0





#77

Bromobenzene

Concen: 18.630 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA_X

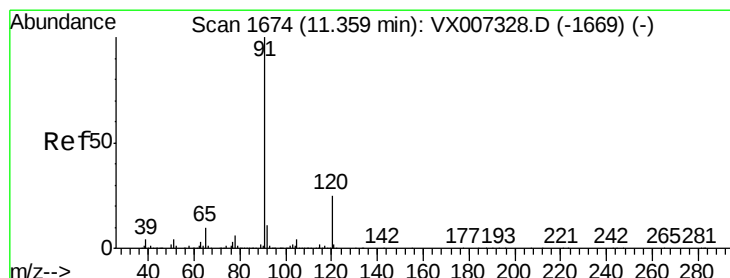
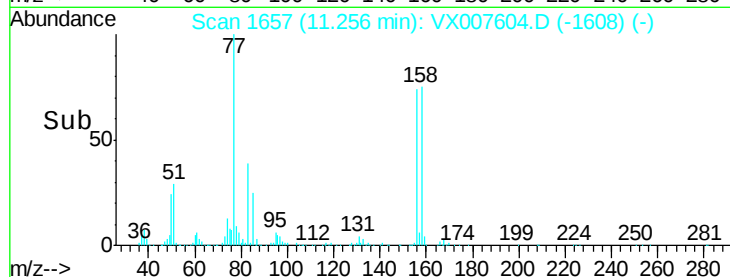
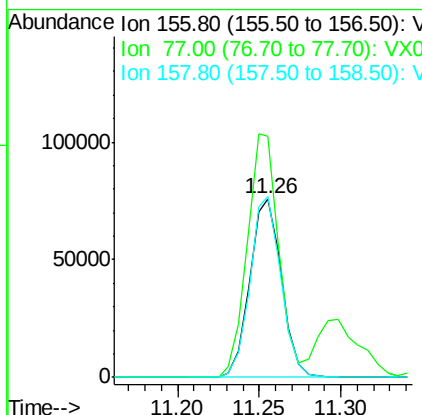
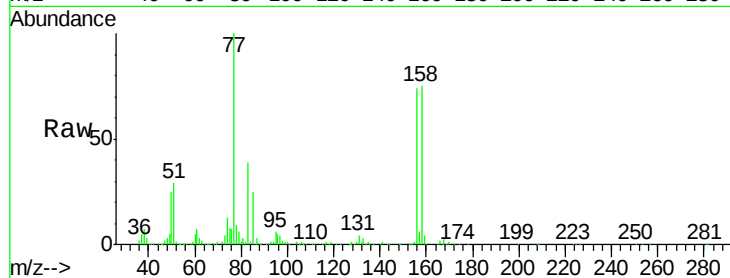
ClientSampleId :

VX0219WBS01

Tot Ion:	156	Resp:	102593
Ion Ratio	Lower	Upper	
156	100		
77	134.8	66.8	200.6
158	98.8	47.9	143.8

Manual Integrations
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#78

n-propylbenzene

Concen: 19.096 ug/l

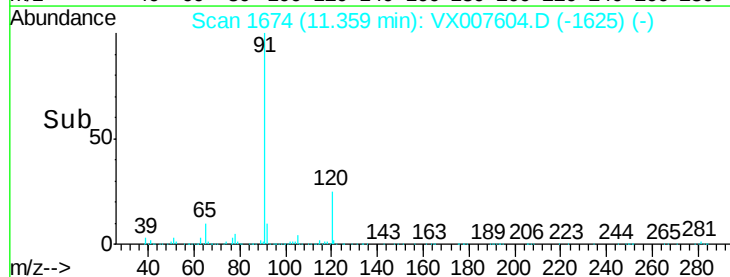
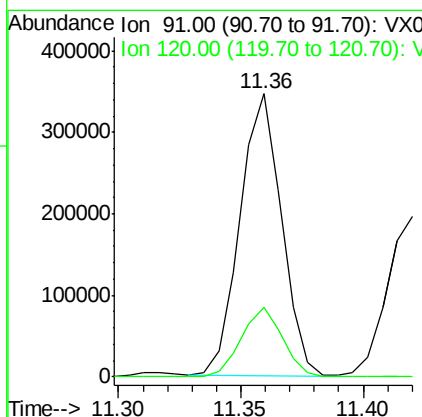
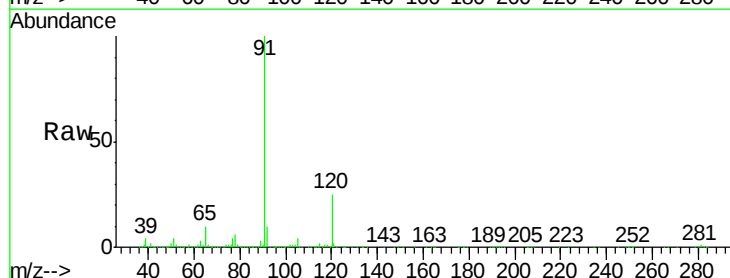
RT: 11.36 min Scan# 1674

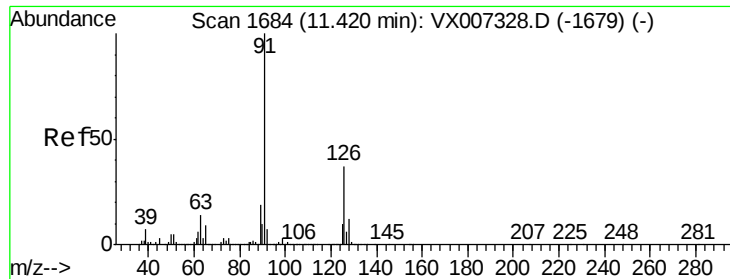
Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Tgt Ion:	91	Resp:	409265
Ion Ratio	Lower	Upper	
91	100		
120	24.6	12.4	37.2





#79

2-Chlorotoluene

Concen: 18.982 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA_X

ClientSampleId :

VX0219WBS01

Tot Ion: 91 Resp: 246851

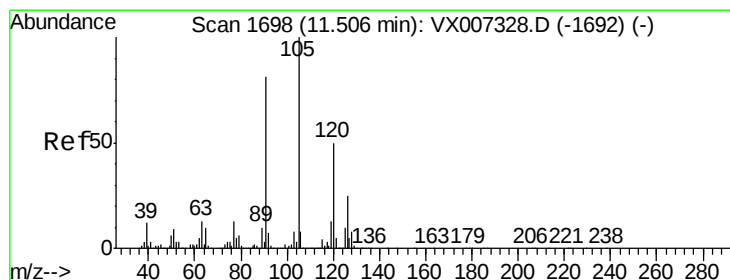
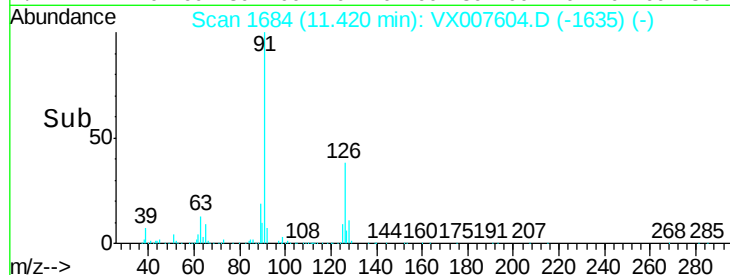
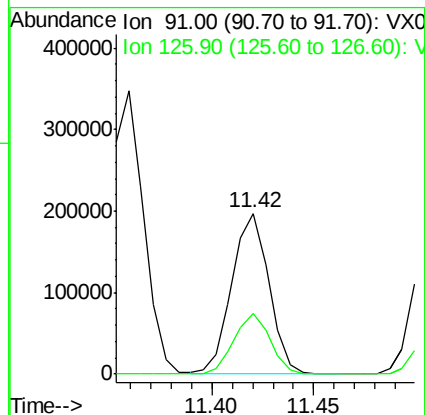
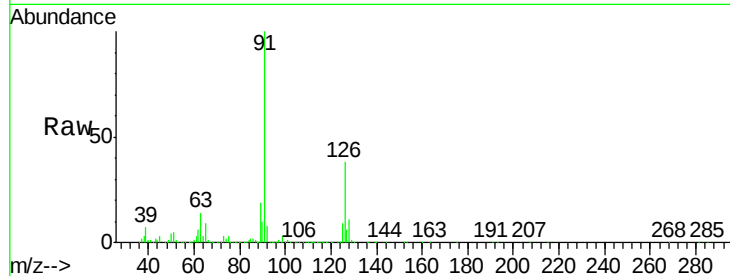
Ion Ratio Lower Upper

91 100

126 37.2 18.7 56.1

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 19.061 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007604.D

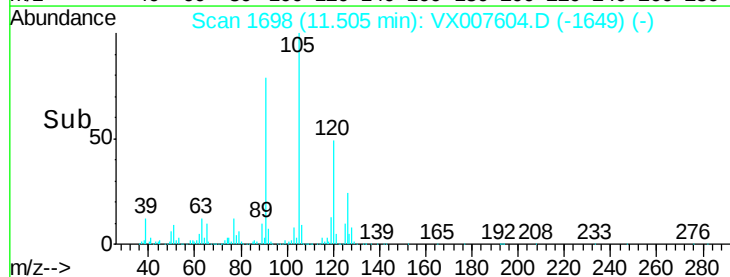
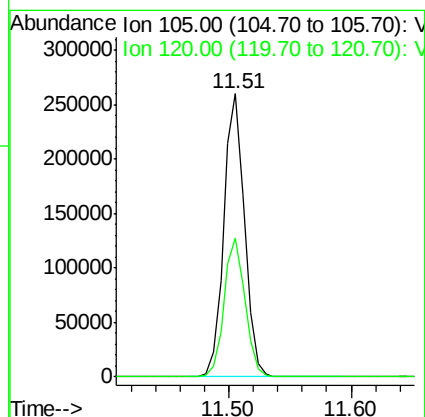
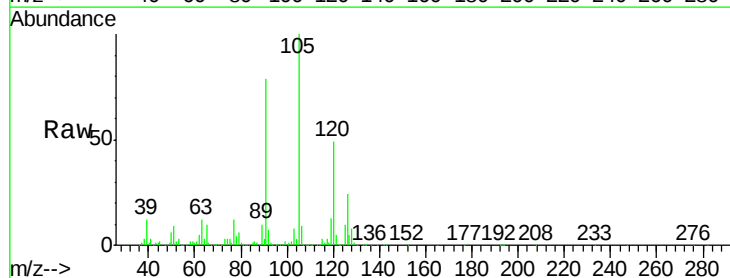
Acq: 19 Feb 2019 11:10

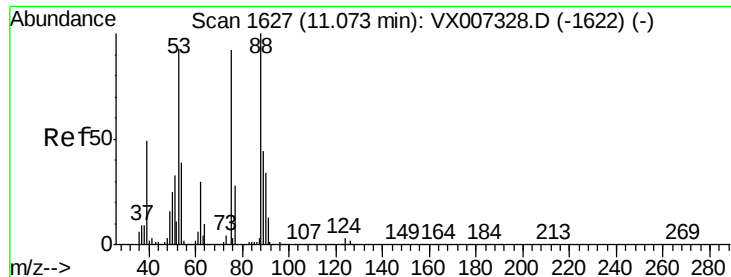
Tgt Ion: 105 Resp: 304784

Ion Ratio Lower Upper

105 100

120 49.6 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.918 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA_X

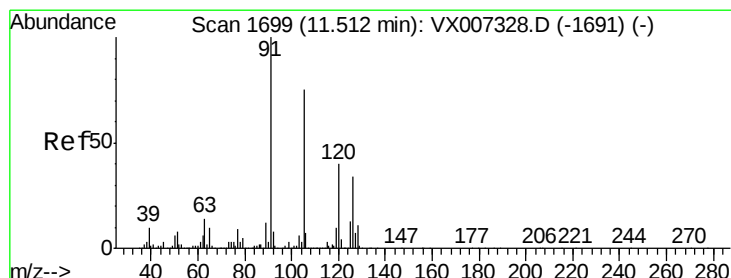
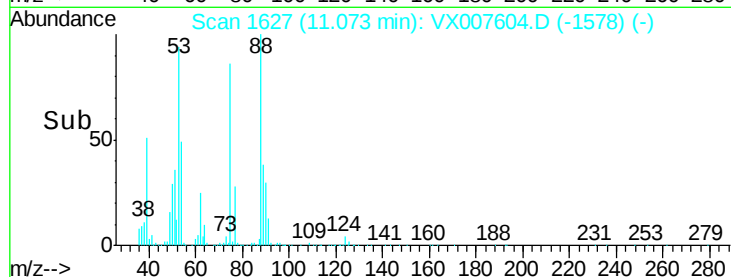
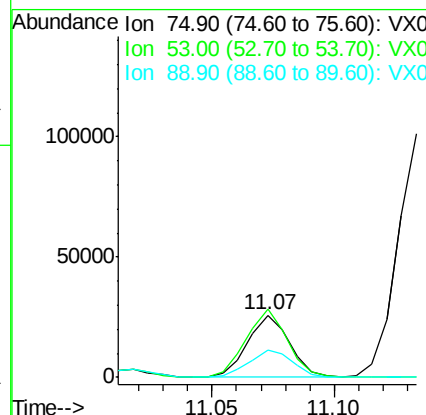
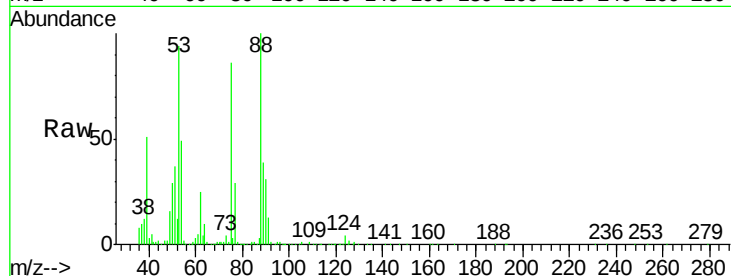
ClientSampleId :

VX0219WBS01

Tot Ion:	75	Resp:	31020
Ion	Ratio	Lower	Upper
75	100		
53	106.8	81.0	121.6
89	47.3	41.4	62.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.660 ug/l

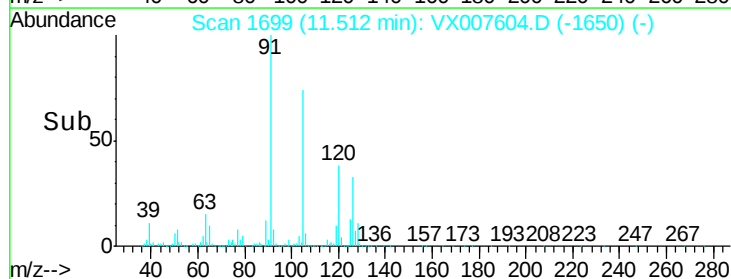
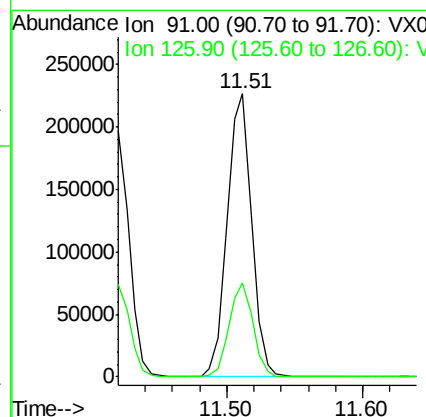
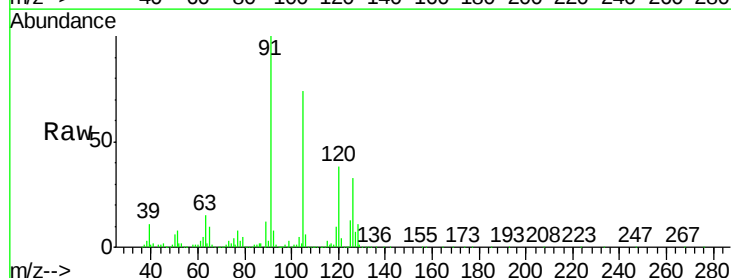
RT: 11.51 min Scan# 1699

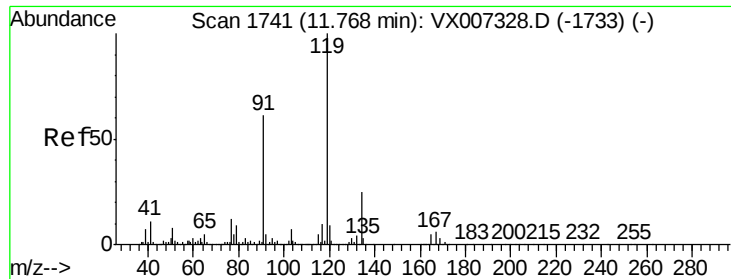
Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Tgt Ion:	91	Resp:	280794
Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.2	48.5





#83

tert-Butylbenzene

Concen: 19.009 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA_X

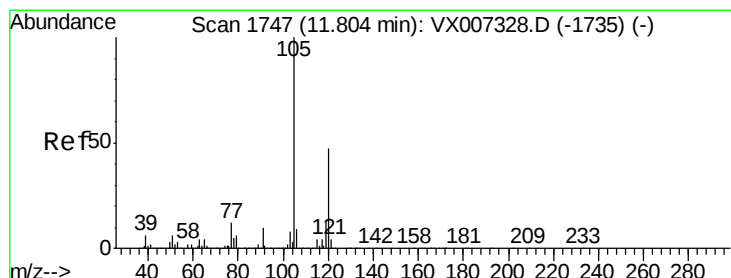
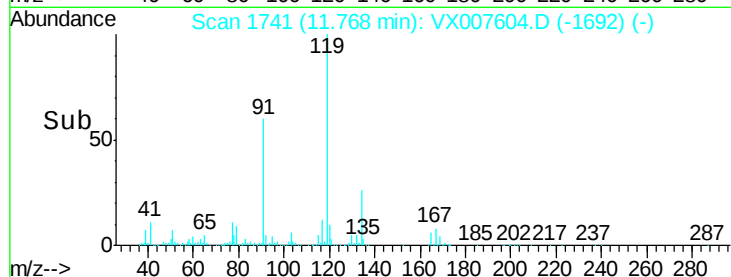
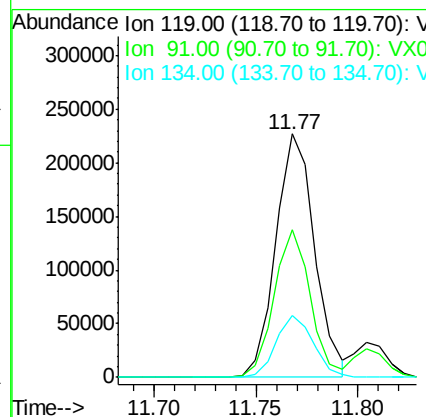
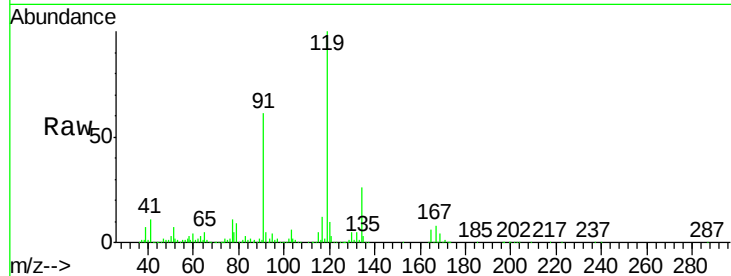
ClientSampleId :

VX0219WBS01

Tot Ion:	119	Resp:	300934
Ion Ratio	Lower	Upper	
119	100		
91	56.6	28.5	85.6
134	24.6	12.0	36.0

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 18.936 ug/l

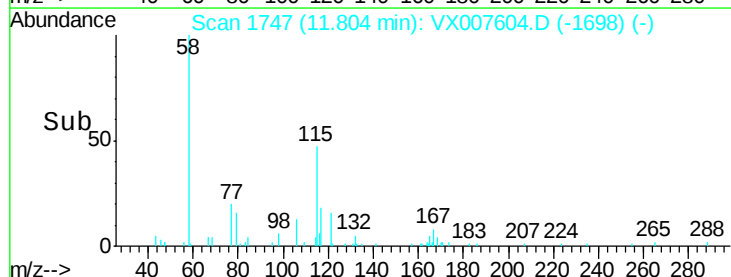
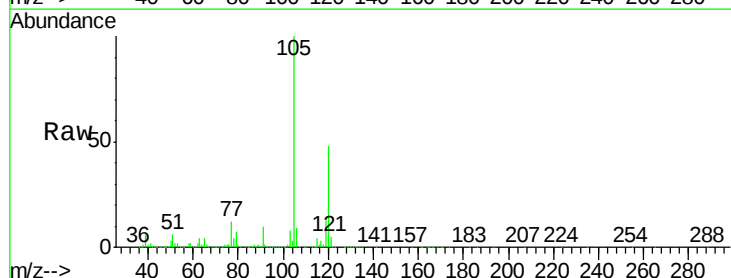
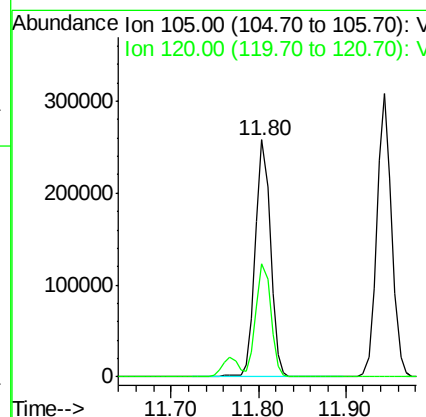
RT: 11.80 min Scan# 1747

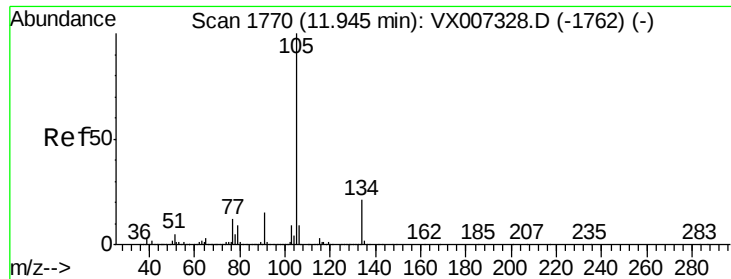
Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Tgt Ion:	105	Resp:	307401
Ion Ratio	Lower	Upper	
105	100		
120	47.0	23.1	69.3





#85

sec-Butylbenzene

Concen: 19.148 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA_X

ClientSampled :

VX0219WBS01

Tot Ion:105 Resp: 366874

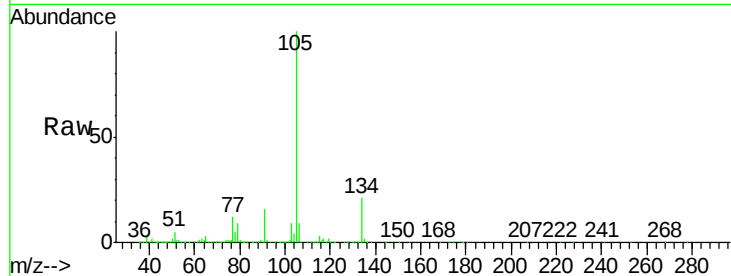
Ion Ratio Lower Upper

105 100

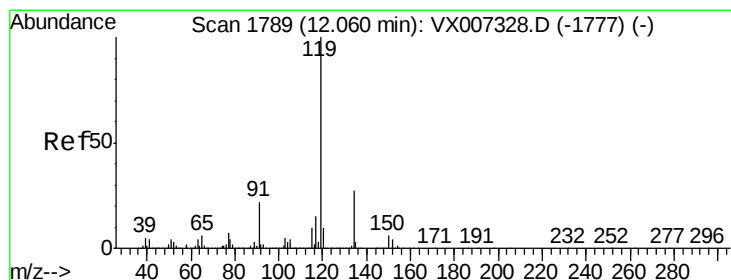
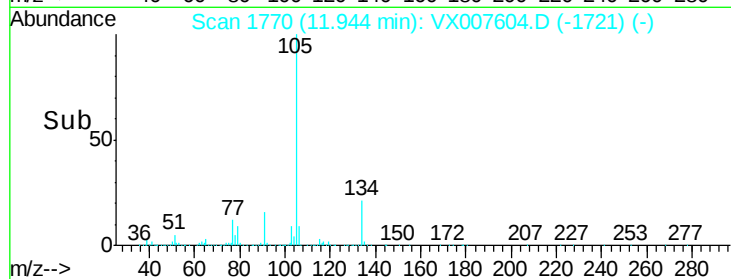
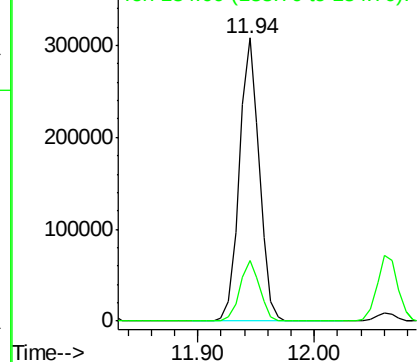
134 21.2 10.6 31.8

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.734 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

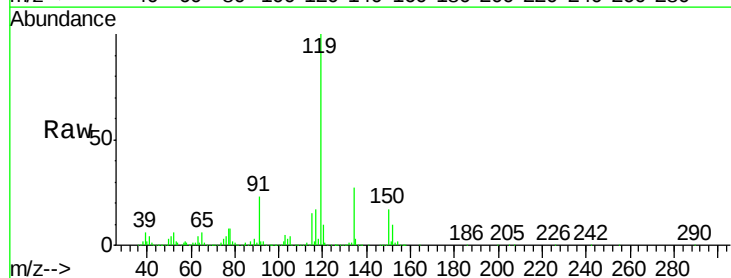
Tgt Ion:119 Resp: 324021

Ion Ratio Lower Upper

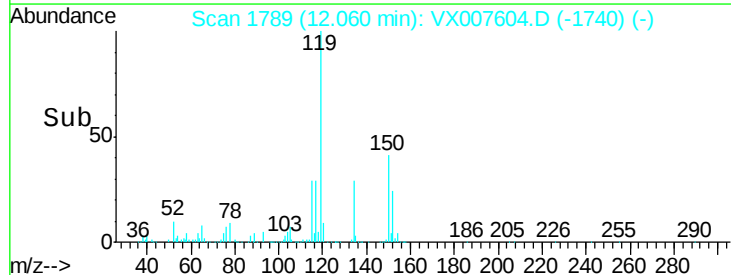
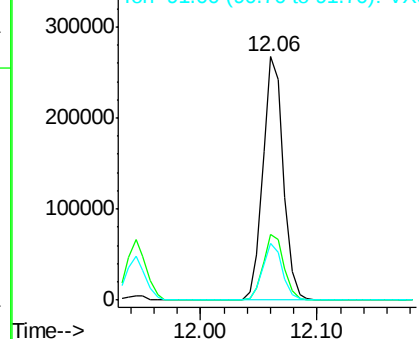
119 100

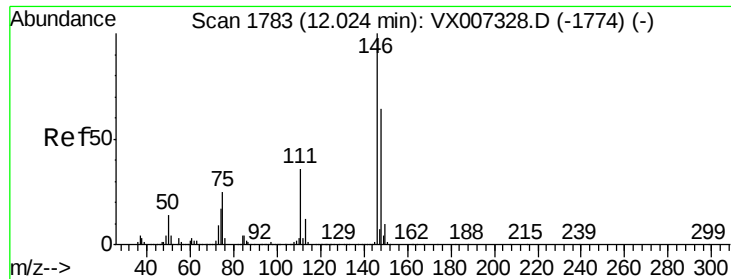
134 27.4 13.7 41.1

91 22.7 11.2 33.5



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





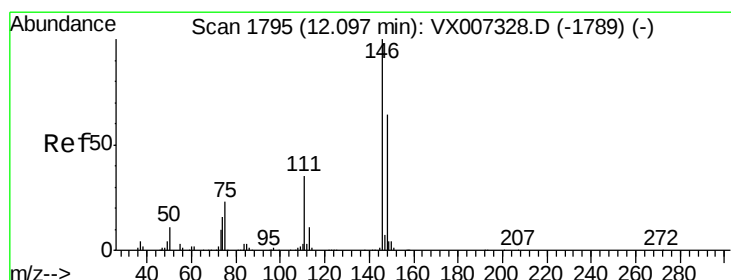
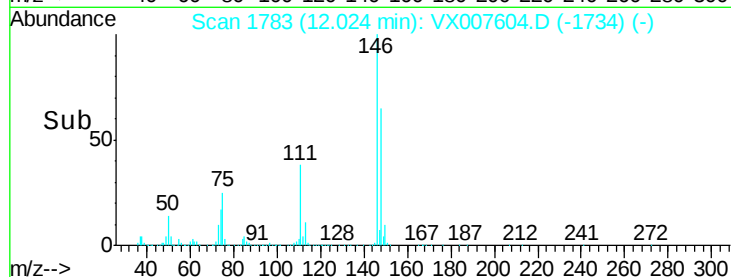
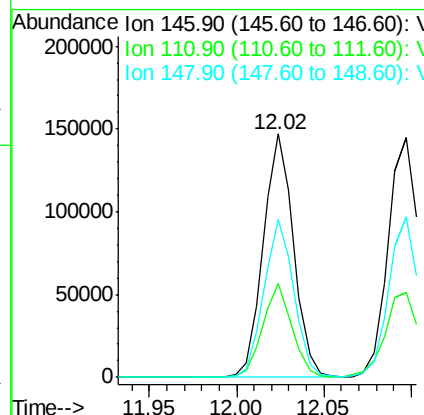
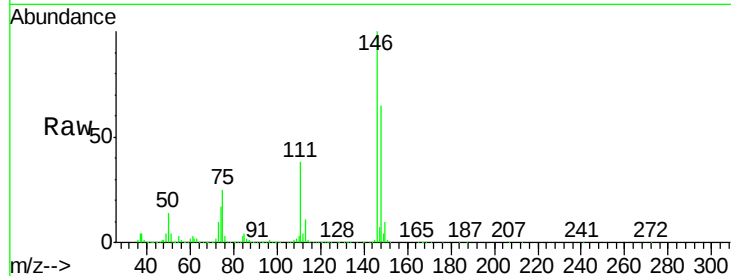
#87
 1,3-Dichlorobenzene
 Concen: 18.093 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX007604.D
 Acq: 19 Feb 2019 11:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0219WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.1	54.1
148	63.9	32.0	96.2

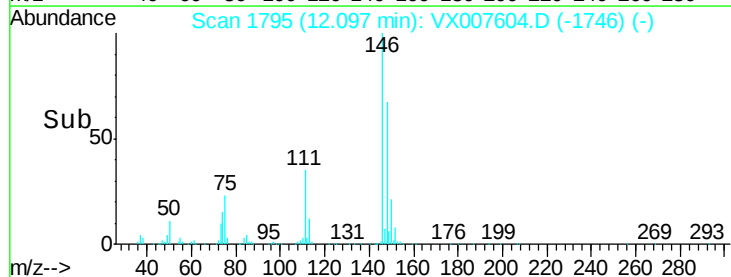
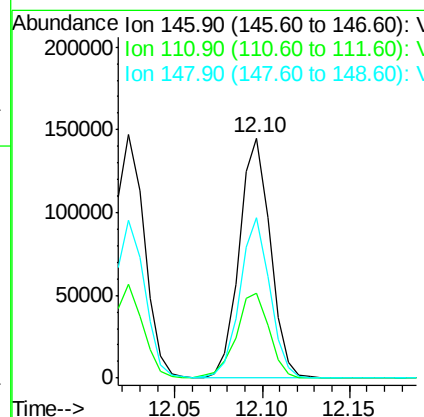
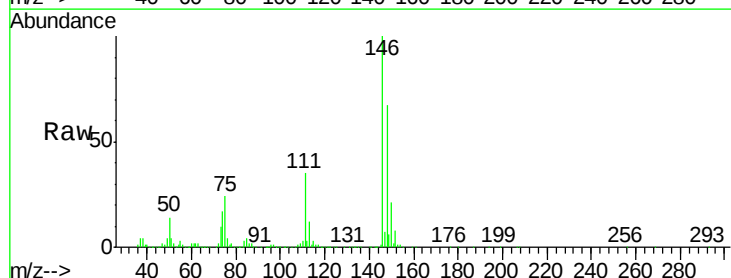
Manual Integrations
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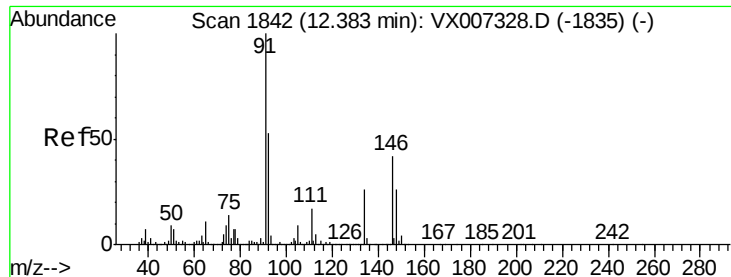
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#88
 1,4-Dichlorobenzene
 Concen: 17.784 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007604.D
 Acq: 19 Feb 2019 11:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.1	54.1
148	65.0	32.3	96.9





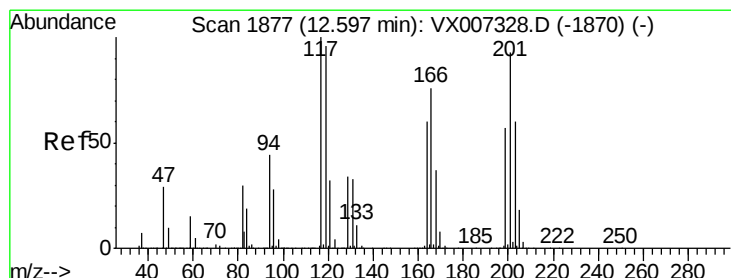
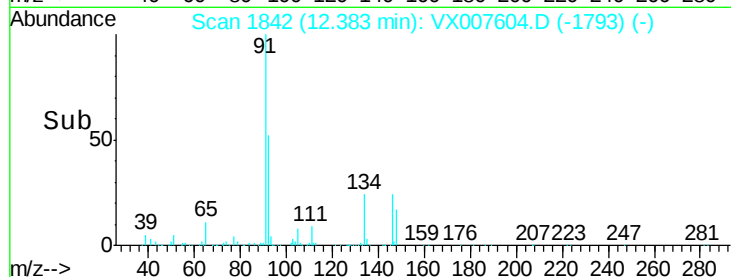
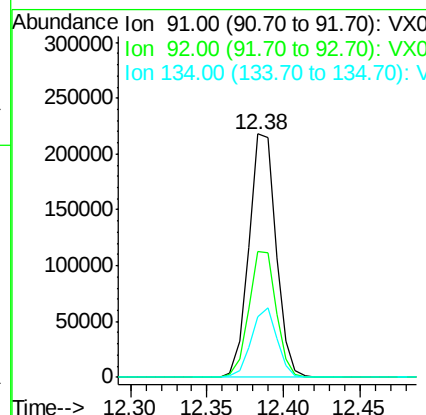
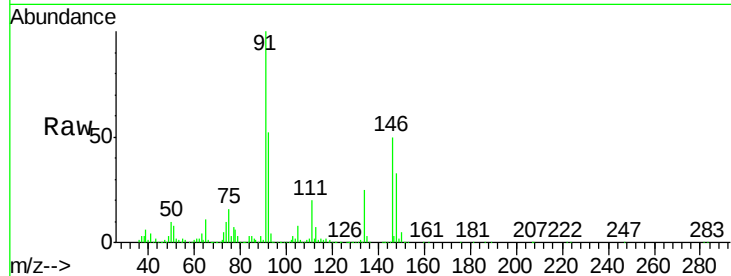
#89
n-Butylbenzene
Concen: 18.043 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX007604.D
Acq: 19 Feb 2019 11:10

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.3	78.9
134	27.2	13.9	41.6

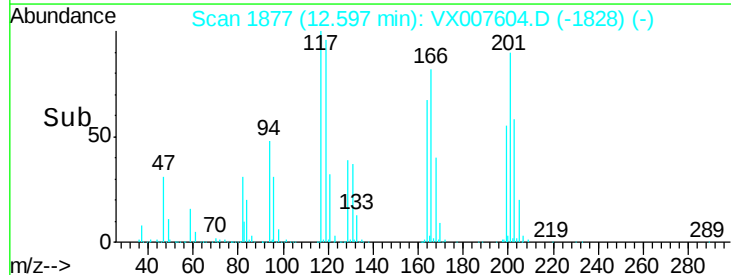
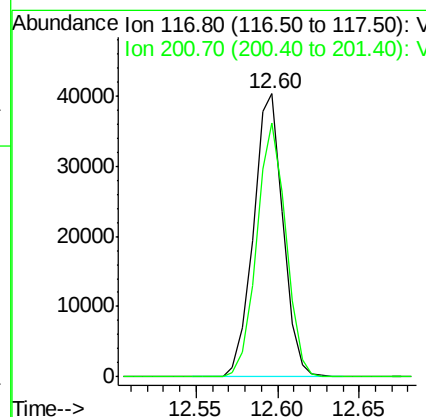
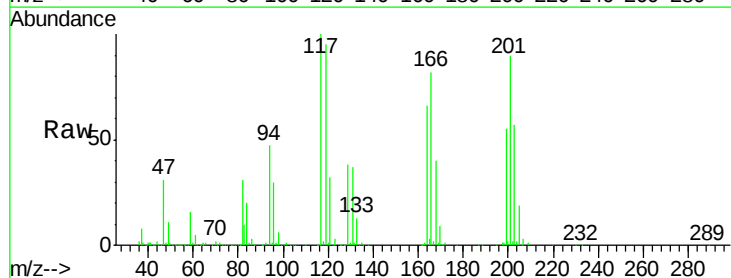
Manual Integrations
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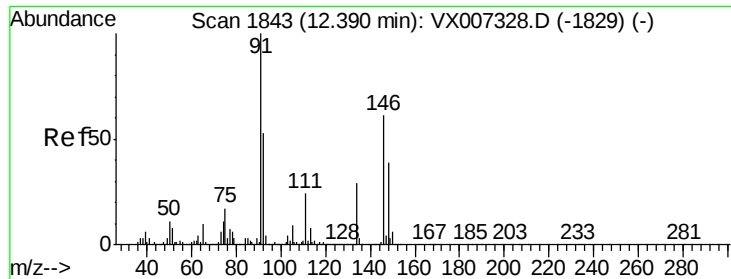
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#90
Hexachloroethane
Concen: 19.739 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX007604.D
Acq: 19 Feb 2019 11:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.0	44.9	134.7





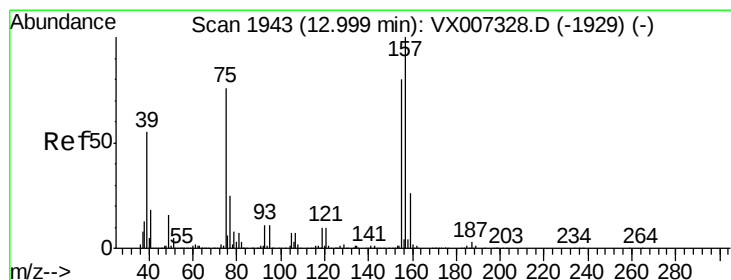
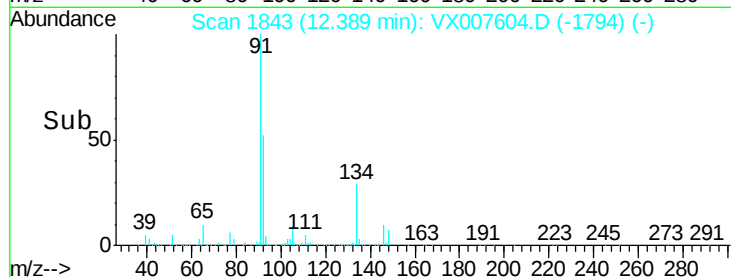
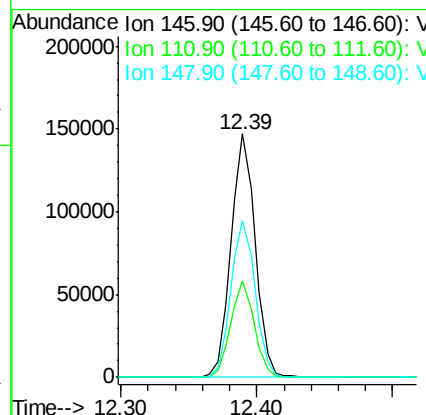
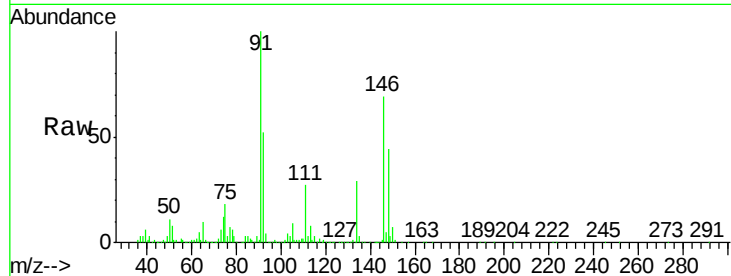
#91
 1,2-Dichlorobenzene
 Concen: 18.397 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX007604.D
 Acq: 19 Feb 2019 11:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0219WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	180945		
111	38.7		19.1	57.3
148	64.9		32.1	96.3

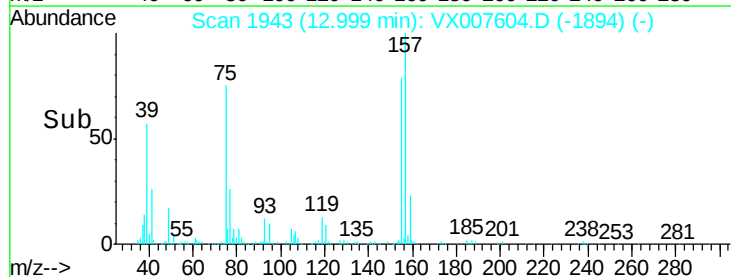
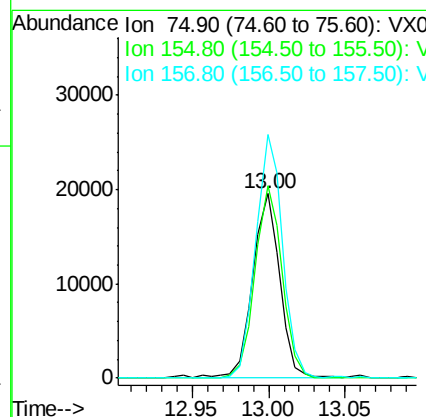
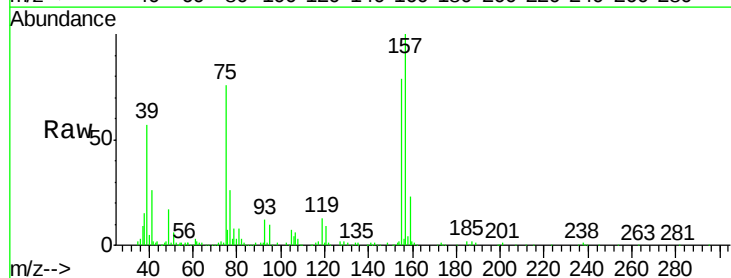
Manual Integrations
 APPROVED

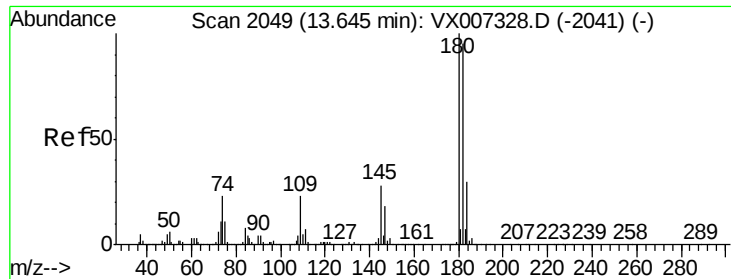
MMDadoda
 2/20/2019 10:33:01 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.204 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX007604.D
 Acq: 19 Feb 2019 11:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	23785		
155	105.6		49.6	149.0
157	132.9		65.1	195.3





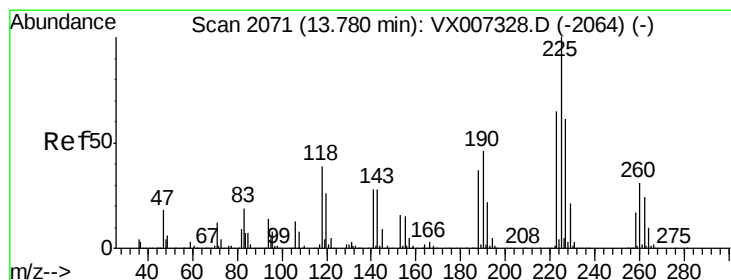
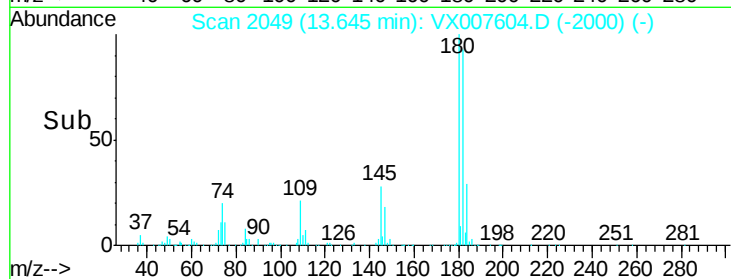
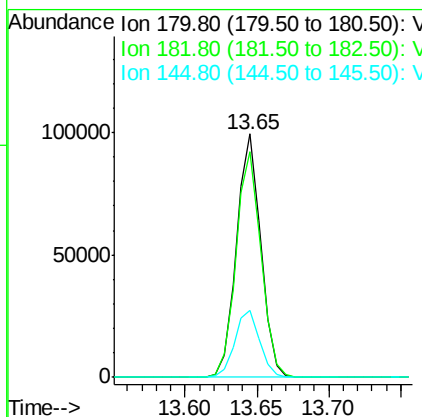
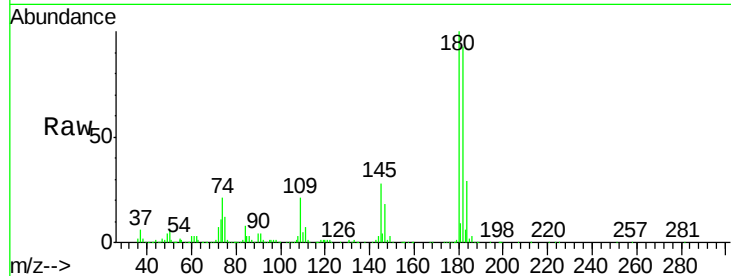
#93
 1,2,4-Trichlorobenzene
 Concen: 17.656 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX007604.D
 Acq: 19 Feb 2019 11:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0219WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	117108		
182	95.4	47.8	143.3	
145	28.4	14.1	42.2	

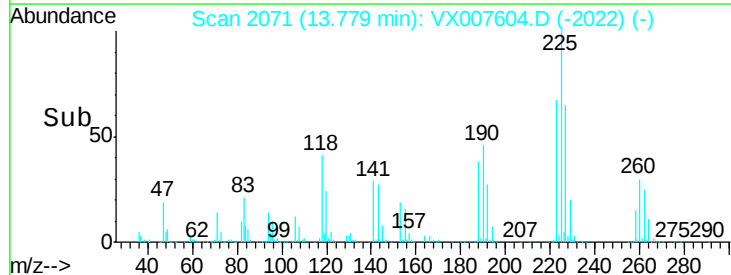
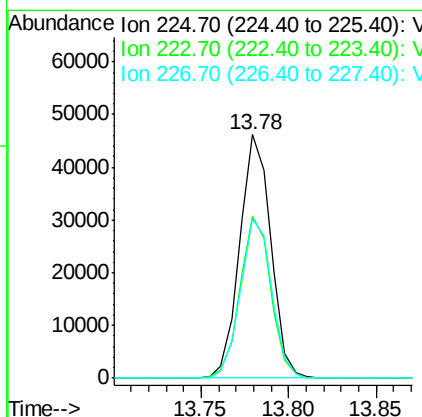
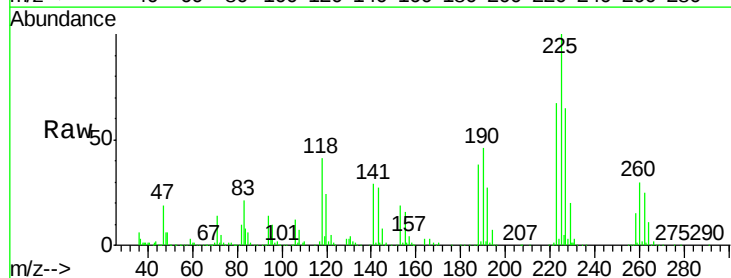
Manual Integrations
 APPROVED

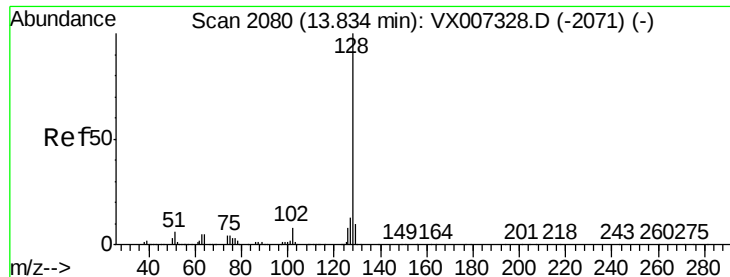
MMDadoda
 2/20/2019 10:33:01 AM



#94
 Hexachlorobutadiene
 Concen: 17.718 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX007604.D
 Acq: 19 Feb 2019 11:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	57066		
223	65.8	31.6	94.8	
227	65.8	32.1	96.3	





#95

Naphthalene

Concen: 18.386 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA_X

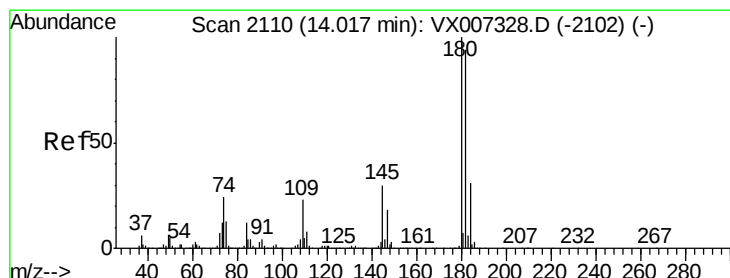
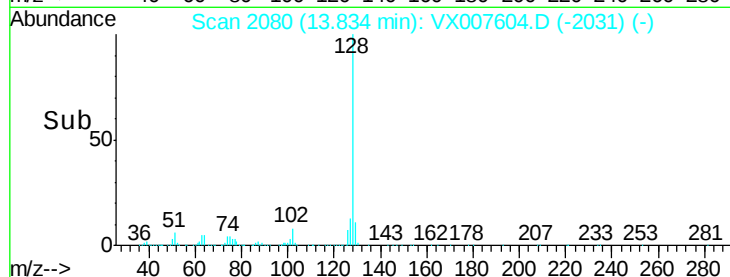
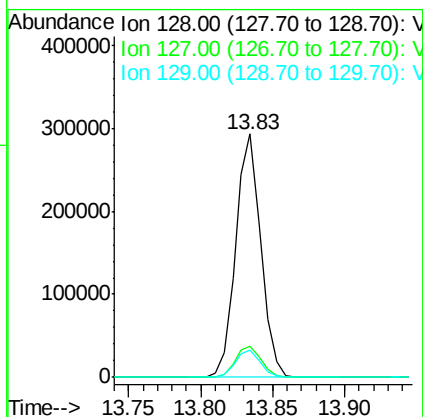
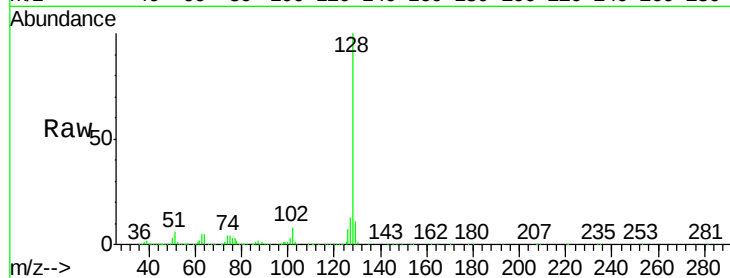
ClientSampleId :

VX0219WBS01

Tot Ion:	128	Resp:	356617
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.5	15.7
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/20/2019 10:33:01 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.051 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Tgt Ion:	180	Resp:	120516
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.5	142.6
145	30.2	14.9	44.5

