

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021619\
 Data File : VX007568.D
 Acq On : 15 Feb 2019 15:18
 Operator : JC/SP
 Sample : VX0216WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0216WBSD02

Manual Integrations
 APPROVED

MMDadoda
 2/18/2019 10:40:43 AM

Quant Time: Feb 16 04:07:57 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	455702	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	679214	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	607103	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	302219	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	234108	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
35) Dibromofluoromethane	5.50	113	215816	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	
50) Toluene-d8	8.71	98	768259	46.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.70%	
62) 4-Bromofluorobenzene	11.13	95	267154	44.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.26%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.20	85	97531	17.532	ug/l 98
3) Chloromethane	1.33	50	82404	16.054	ug/l 98
4) Vinyl Chloride	1.41	62	92389	18.348	ug/l 99
5) Bromomethane	1.64	94	83308	16.402	ug/l 99
6) Chloroethane	1.73	64	60849	18.680	ug/l 97
7) Trichlorofluoromethane	1.93	101	150805	19.145	ug/l 99
8) Diethyl Ether	2.19	74	57003	19.226	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	86696	18.503	ug/l 98
10) Methyl Iodide	2.51	142	102514	14.873	ug/l 97
11) Tert butyl alcohol	3.07	59	112832	112.719	ug/l 99
12) 1,1-Dichloroethene	2.38	96	78956	18.147	ug/l 99
13) Acrolein	2.30	56	48235	102.760	ug/l 97
14) Allyl chloride	2.73	41	137802	19.438	ug/l 99
15) Acrylonitrile	3.15	53	254677	102.847	ug/l 100
16) Acetone	2.45	43	245327	110.724	ug/l 100
17) Carbon Disulfide	2.57	76	181409	17.389	ug/l 100
18) Methyl Acetate	2.78	43	141809	24.866	ug/l 100
19) Methyl tert-butyl Ether	3.21	73	276852	19.640	ug/l 98
20) Methylene Chloride	2.86	84	88854	19.393	ug/l 94
21) trans-1,2-Dichloroethene	3.17	96	83962	18.115	ug/l 99
22) Diisopropyl ether	3.87	45	263283	20.190	ug/l 98
23) Vinyl Acetate	3.82	43	1095667	101.250	ug/l 100
24) 1,1-Dichloroethane	3.70	63	148176	19.786	ug/l 99
25) 2-Butanone	4.70	43	344517	109.261	ug/l 96
26) 2,2-Dichloropropane	4.59	77	111576	19.564	ug/l 97
27) cis-1,2-Dichloroethene	4.60	96	96281	19.018	ug/l 100
28) Bromochloromethane	5.01	49	64563	18.747	ug/l 98
29) Tetrahydrofuran	5.15	42	217129	109.489	ug/l 99
30) Chloroform	5.21	83	158483	20.280	ug/l 100
31) Cyclohexane	5.57	56	121277	18.031	ug/l 97
32) 1,1,1-Trichloroethane	5.50	97	132169	20.037	ug/l 100
36) 1,1-Dichloropropene	5.80	75	108554	17.813	ug/l 100
37) Ethyl Acetate	4.85	43	121720	19.758	ug/l 99
38) Carbon Tetrachloride	5.79	117	116569	19.716	ug/l 99

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MMDadoda
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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)
39) Methylcyclohexane	7.46	83	128282	17.398	ug/l	97
40) Benzene	6.15	78	342678	19.089	ug/l	99
41) Methacrylonitrile	5.06	41	67419	20.419	ug/l	97
42) 1,2-Dichloroethane	6.20	62	116636	18.778	ug/l	99
43) Isopropyl Acetate	6.46	43	193589	20.359	ug/l	99
44) Trichloroethene	7.21	130	97871	18.102	ug/l	99
45) 1,2-Dichloropropane	7.51	63	88698	19.720	ug/l	97
46) Dibromomethane	7.66	93	61825	18.912	ug/l	98
47) Bromodichloromethane	7.90	83	105512	19.045	ug/l	97
48) Methyl methacrylate	7.77	41	98586	20.728	ug/l	97
49) 1,4-Dioxane	7.75	88	46337	432.321	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	646603	103.297	ug/l	99
52) Toluene	8.79	92	213049	18.395	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	114658	19.267	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	128905	19.697	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	92473	19.154	ug/l	99
56) Ethyl methacrylate	9.18	69	127044	18.999	ug/l	98
57) 1,3-Dichloropropane	9.37	76	148004	19.277	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	350896	99.560	ug/l	99
59) 2-Hexanone	9.49	43	497078	102.047	ug/l	99
60) Dibromochloromethane	9.59	129	92528	20.264	ug/l	99
61) 1,2-Dibromoethane	9.67	107	98158	19.198	ug/l	100
64) Tetrachloroethene	9.34	164	97964	17.120	ug/l	97
65) Chlorobenzene	10.14	112	244536	18.458	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	89957	20.253	ug/l	99
67) Ethyl Benzene	10.25	91	398451	18.676	ug/l	97
68) m/p-Xylenes	10.36	106	309414	36.484	ug/l	100
69) o-Xylene	10.69	106	154515	18.934	ug/l	99
70) Styrene	10.71	104	243743	18.417	ug/l	100
71) Bromoform	10.85	173	67544	19.970	ug/l #	100
73) Isopropylbenzene	11.02	105	403941	19.669	ug/l	98
74) N-amyl acetate	10.90	43	160706	20.231	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	135877	21.709	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	131049m	22.293	ug/l	
77) Bromobenzene	11.26	156	111362	19.245	ug/l	99
78) n-propylbenzene	11.36	91	446541	19.828	ug/l	99
79) 2-Chlorotoluene	11.42	91	265918	19.460	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	329532	19.613	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	34667	20.915	ug/l	94
82) 4-Chlorotoluene	11.51	91	301751	19.084	ug/l	99
83) tert-Butylbenzene	11.77	119	332061	19.962	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	340705	19.973	ug/l	98
85) sec-Butylbenzene	11.94	105	401198	19.927	ug/l	100
86) p-Isopropyltoluene	12.06	119	355197	19.544	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	195343	18.810	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	194002	18.413	ug/l	99
89) n-Butylbenzene	12.38	91	292152	18.686	ug/l	99
90) Hexachloroethane	12.60	117	55526	20.413	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	192279	18.605	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	27946	21.473	ug/l	99

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ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0216WBSD02

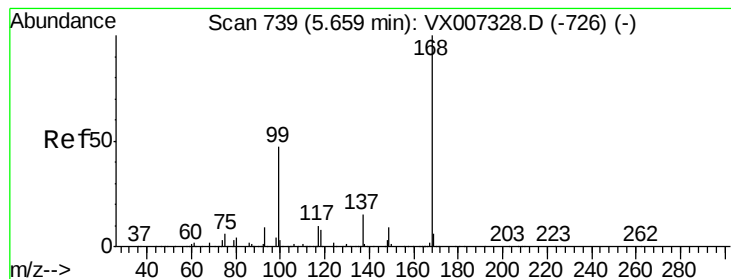
Manual Integrations
APPROVED

MMDadoda
2/18/2019 10:40:43 AM

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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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	129899	18.638	ug/l	99
94) Hexachlorobutadiene	13.78	225	63917	18.886	ug/l	100
95) Naphthalene	13.83	128	404149	19.829	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	131101	18.687	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007568.D

Acq: 15 Feb 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

VX0216WBSD02

Tot Ion:168 Resp: 455702

Ion Ratio Lower Upper

168 100

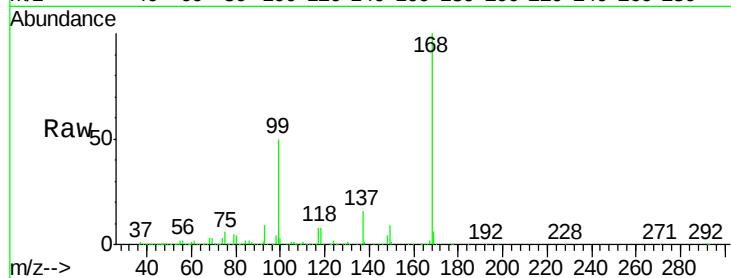
99 49.5 37.9 56.9

Manual Integrations

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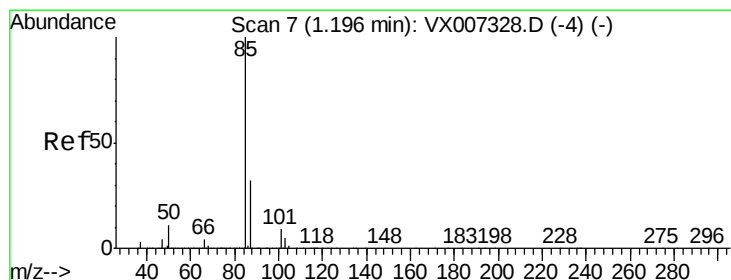
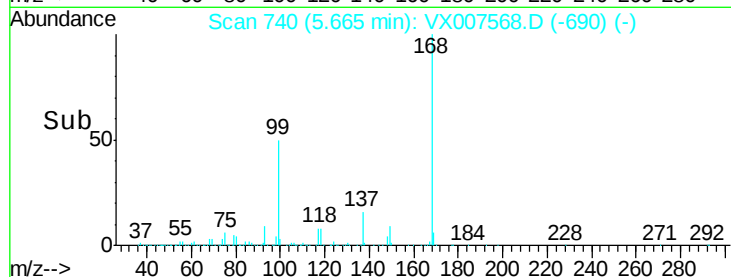
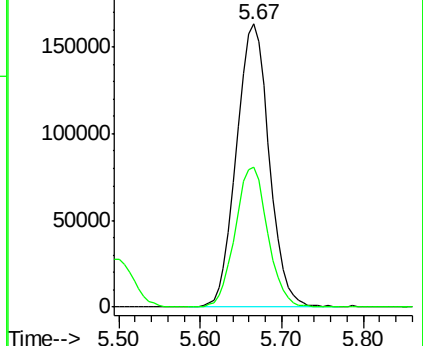
MMDadoda

2/18/2019 10:40:43 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 17.532 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007568.D

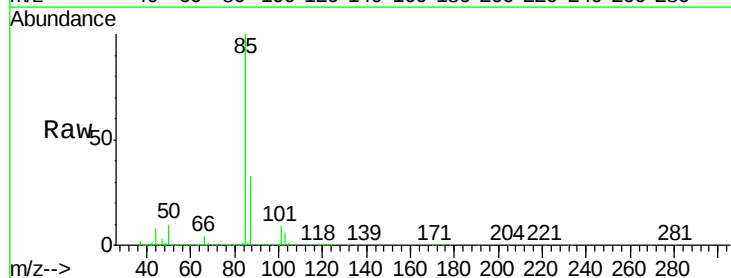
Acq: 15 Feb 2019 15:18

Tgt Ion: 85 Resp: 97531

Ion Ratio Lower Upper

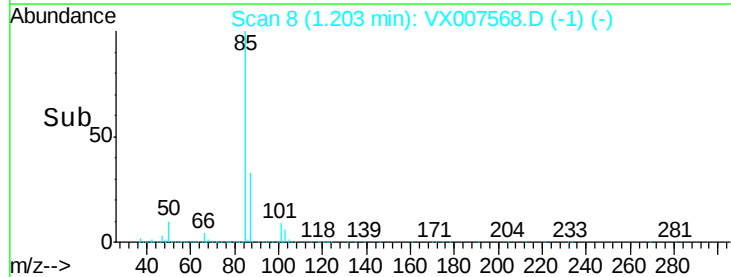
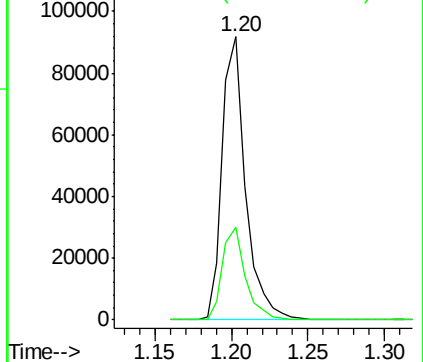
85 100

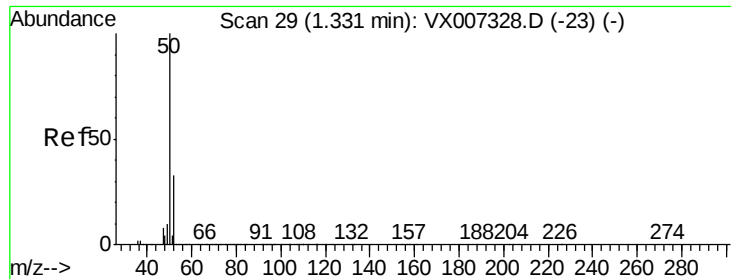
87 32.5 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 16.054 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007568.D

Acq: 15 Feb 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

VX0216WBSD02

Tot Ion: 50 Resp: 82404

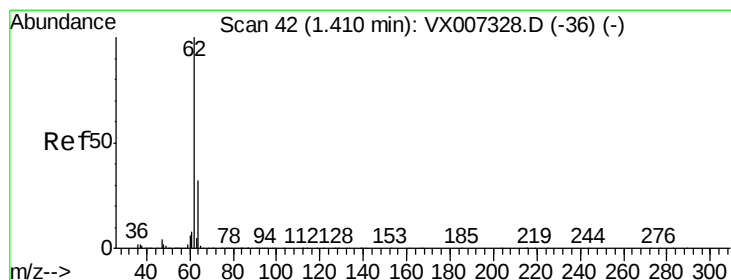
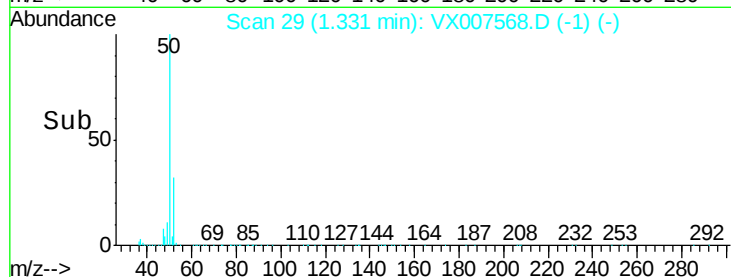
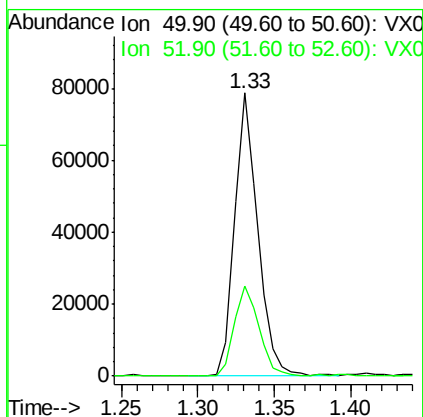
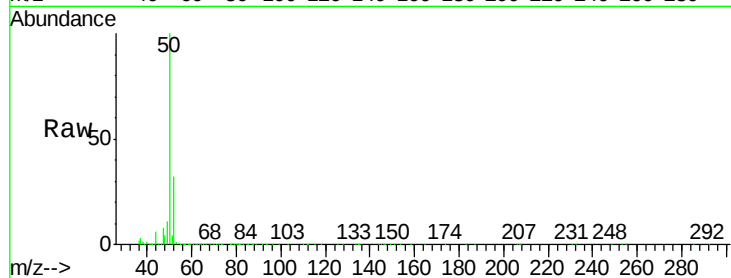
Ion Ratio Lower Upper

50 100

52 31.7 26.1 39.1

Manual Integrations
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#4

Vinyl Chloride

Concen: 18.348 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007568.D

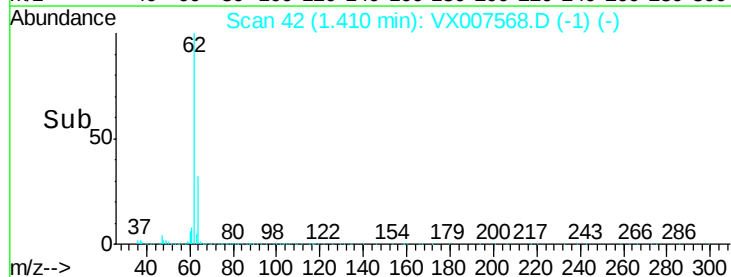
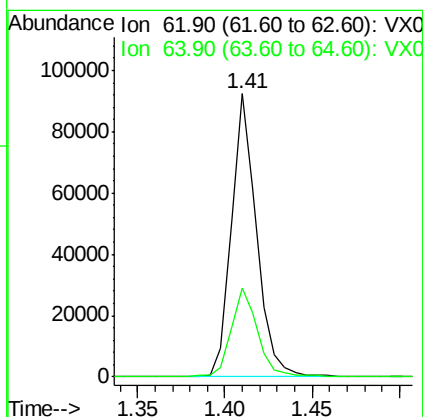
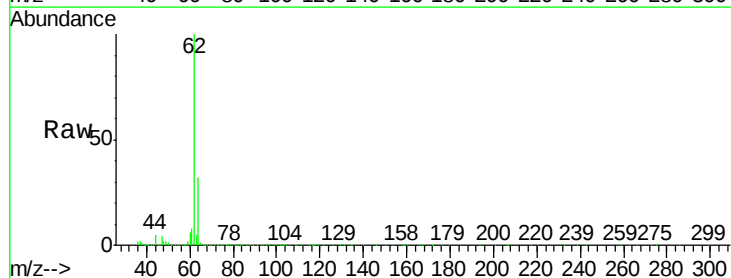
Acq: 15 Feb 2019 15:18

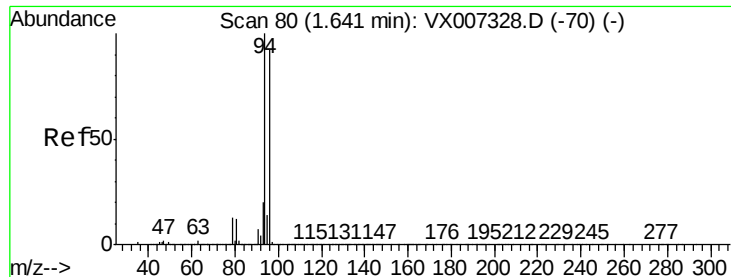
Tgt Ion: 62 Resp: 92389

Ion Ratio Lower Upper

62 100

64 31.3 25.4 38.0





#5

Bromomethane

Concen: 16.402 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007568.D

Acq: 15 Feb 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

VX0216WBSD02

Tot Ion: 94 Resp: 83308

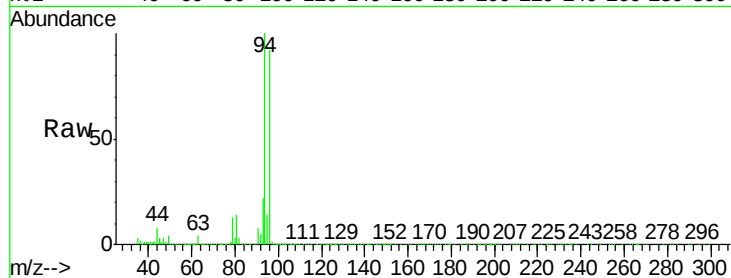
Ion Ratio Lower Upper

94 100

96 91.9 73.9 110.9

Manual Integrations
APPROVED

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

100000

80000

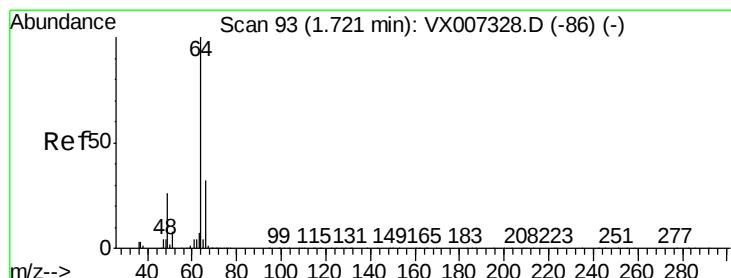
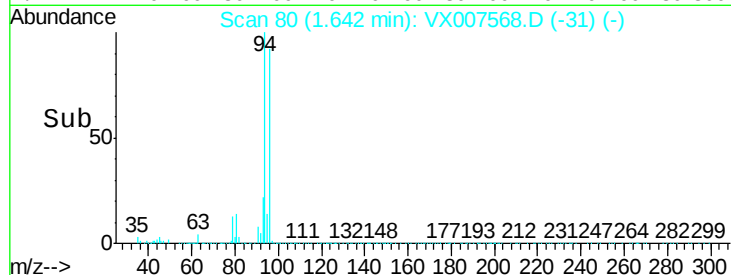
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 18.680 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX007568.D

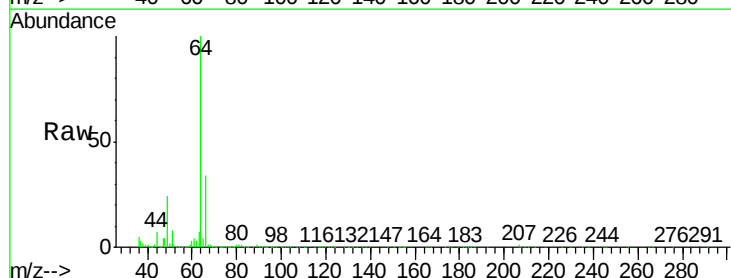
Acq: 15 Feb 2019 15:18

Tgt Ion: 64 Resp: 60849

Ion Ratio Lower Upper

64 100

66 33.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

50000

40000

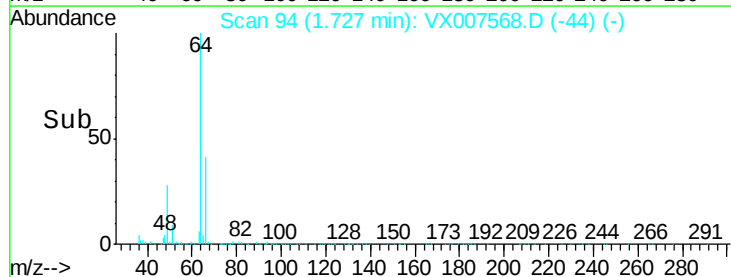
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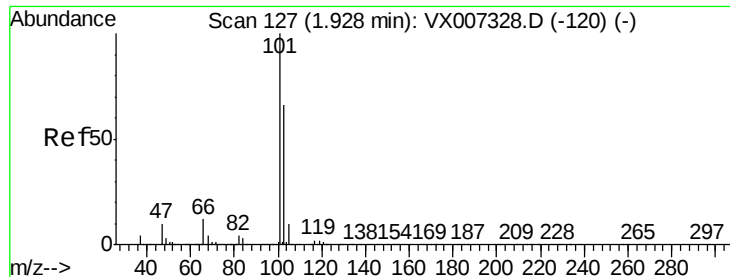
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10000

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Time-->





#7

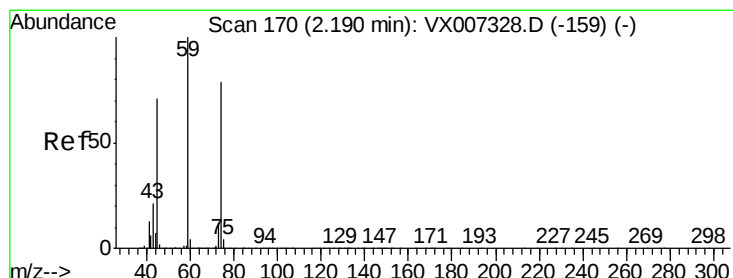
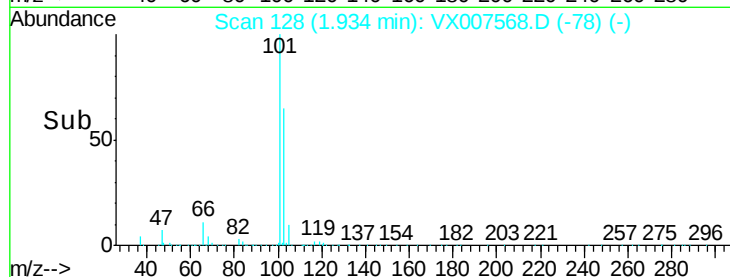
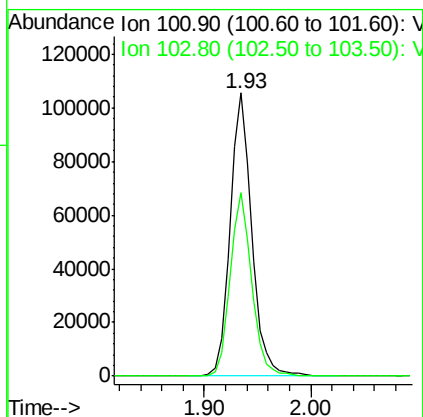
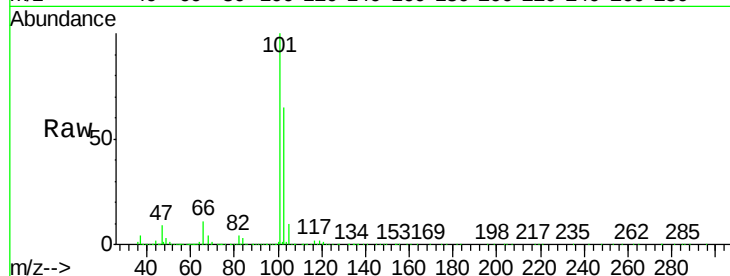
Trichlorofluoromethane
Concen: 19.145 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX007568.D
Acq: 15 Feb 2019 15:18

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ClientSampleId :
VX0216WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	52.6	79.0

Manual Integrations
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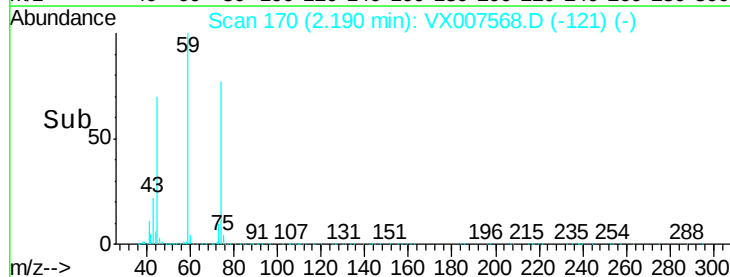
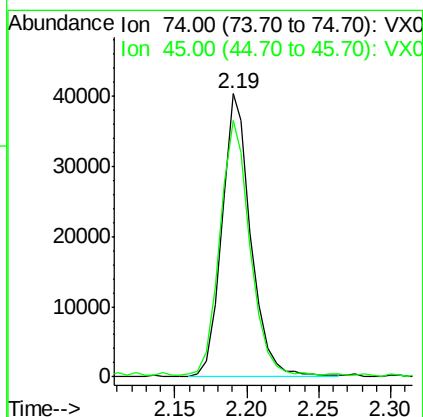
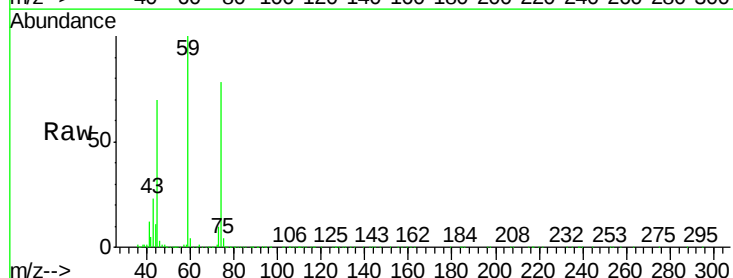
MMDadoda
2/18/2019 10:40:43 AM

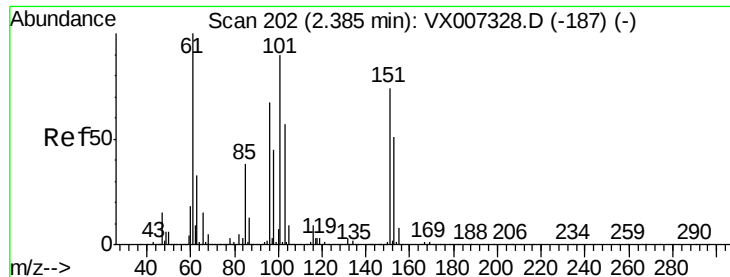


#8

Diethyl Ether
Concen: 19.226 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007568.D
Acq: 15 Feb 2019 15:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.5	45.7	137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.503 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007568.D

Acq: 15 Feb 2019 15:18

Instrument :

MSVOA_X

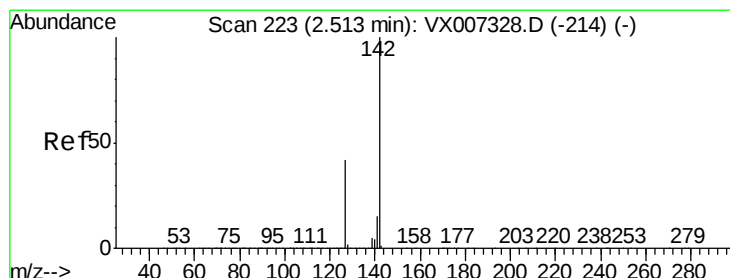
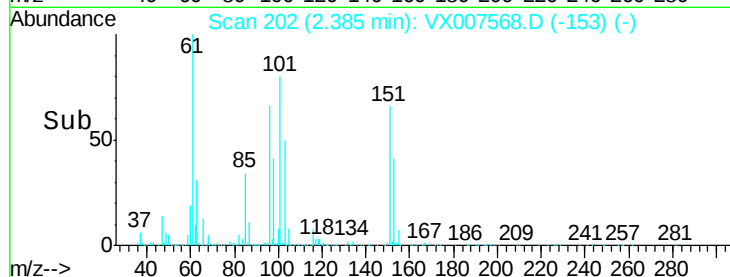
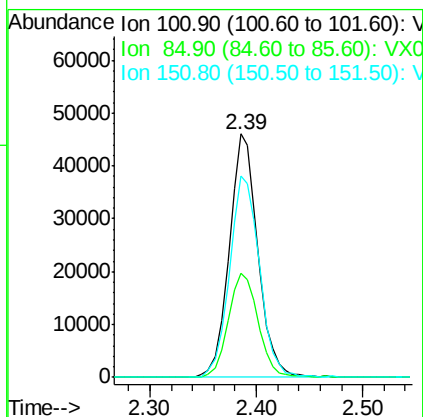
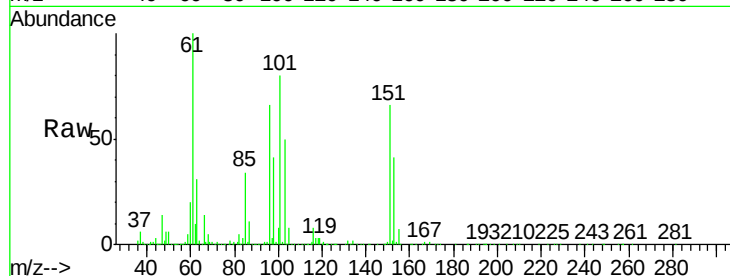
ClientSampleId :

VX0216WBSD02

Tot Ion:	101	Resp:	86696
Ion Ratio	Lower	Upper	
101	100		
85	45.0	34.1	51.1
151	86.7	69.9	104.9

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#10

Methyl Iodide

Concen: 14.873 ug/l

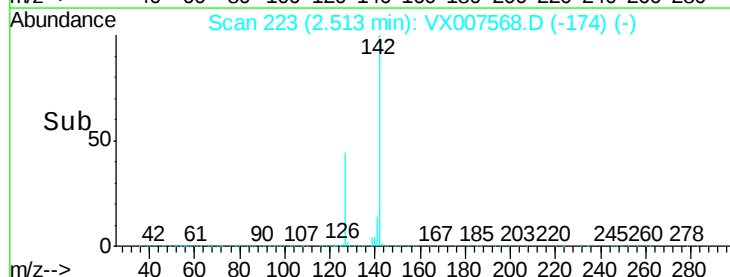
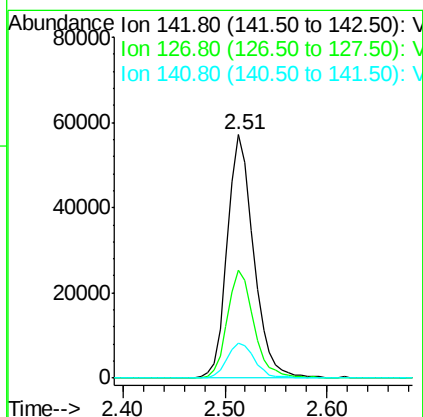
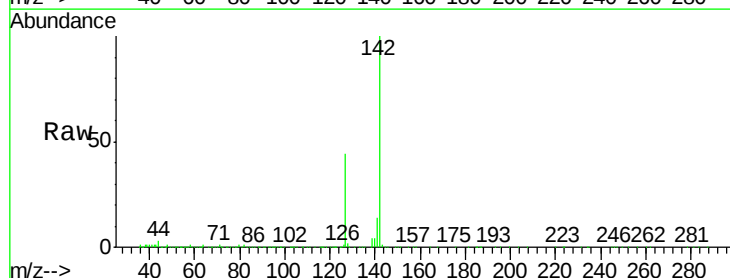
RT: 2.51 min Scan# 223

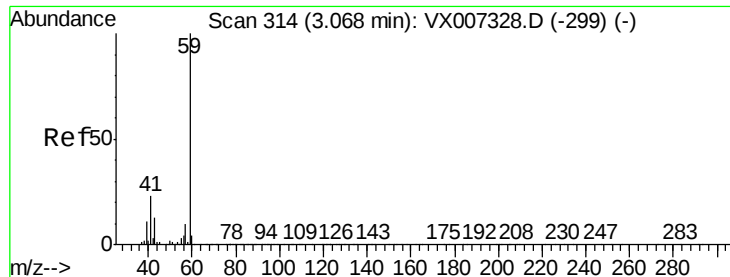
Delta R.T. 0.00 min

Lab File: VX007568.D

Acq: 15 Feb 2019 15:18

Tgt Ion:	142	Resp:	102514
Ion Ratio	Lower	Upper	
142	100		
127	44.6	33.7	50.5
141	14.9	11.3	16.9





#11

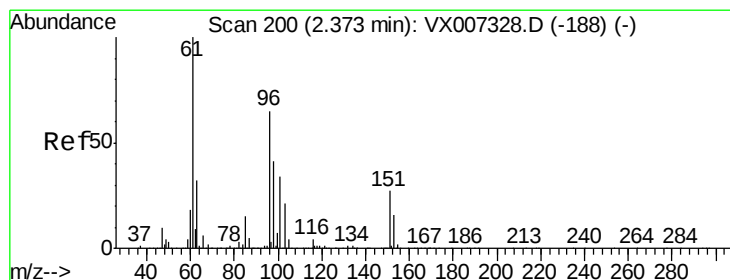
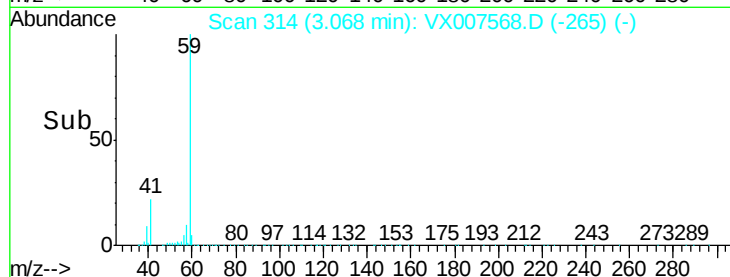
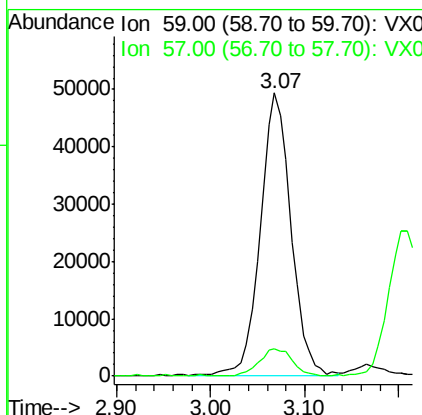
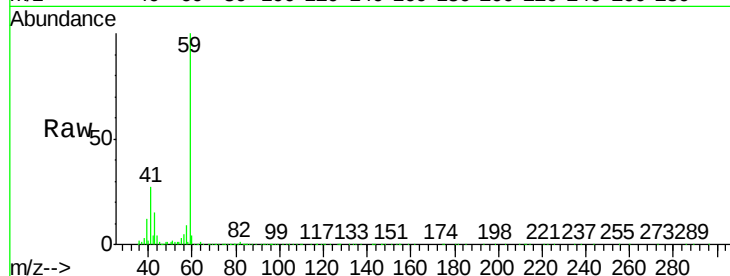
Tert butyl alcohol
Concen: 112.719 ug/l
RT: 3.07 min Scan# 314
Delta R.T. 0.00 min
Lab File: VX007568.D
Acq: 15 Feb 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX0216WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.1	12.1

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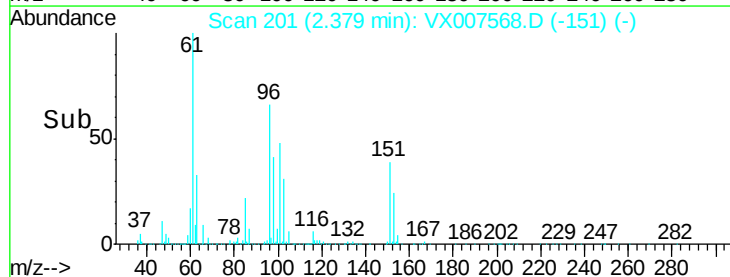
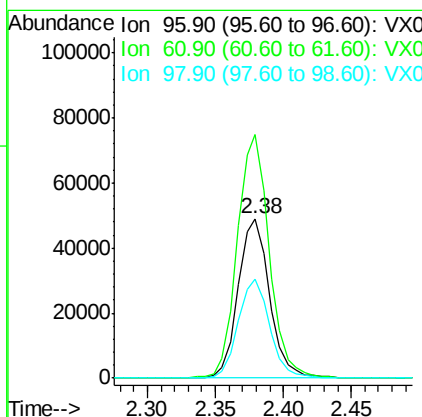
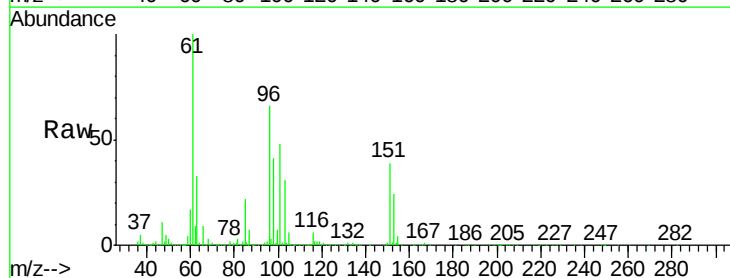
MMDadoda
2/18/2019 10:40:43 AM

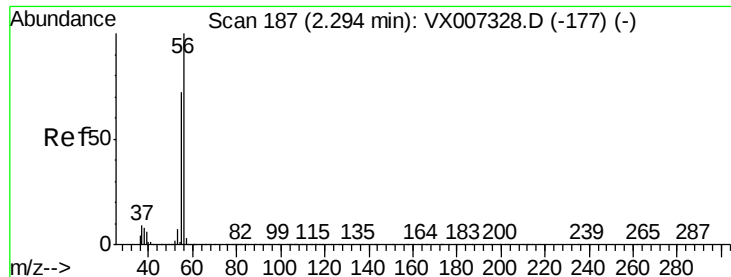


#12

1,1-Dichloroethene
Concen: 18.147 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX007568.D
Acq: 15 Feb 2019 15:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.3	123.0	184.4
98	61.9	50.9	76.3





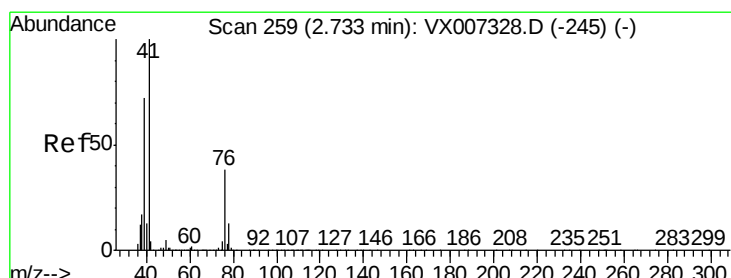
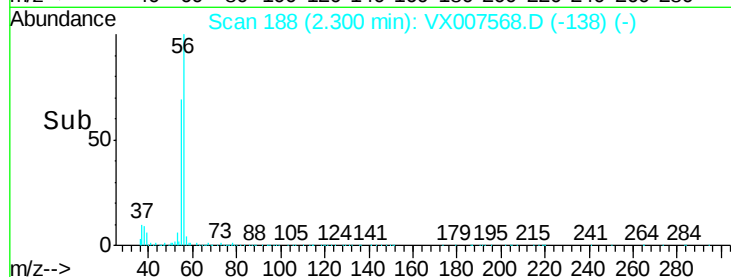
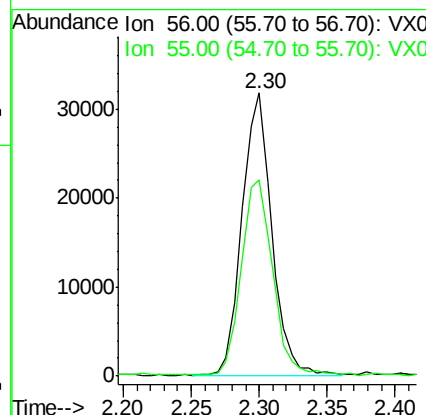
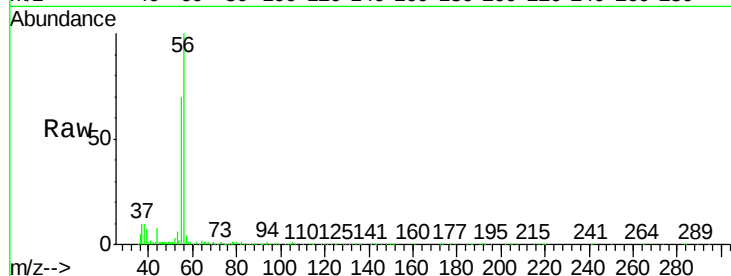
#13
Acrolein
Concen: 102.760 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX007568.D
Acq: 15 Feb 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX0216WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
55	73.6	56.9	85.3

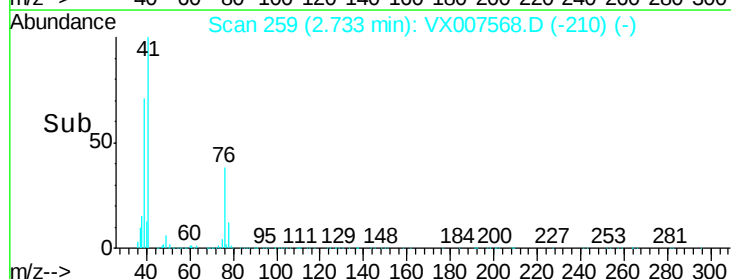
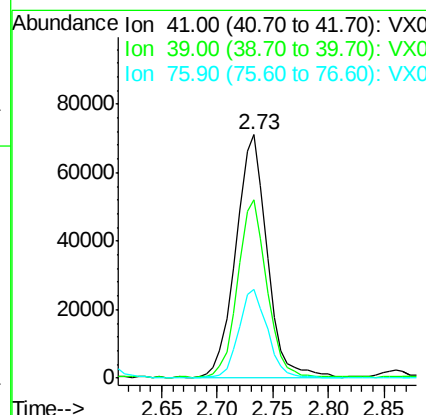
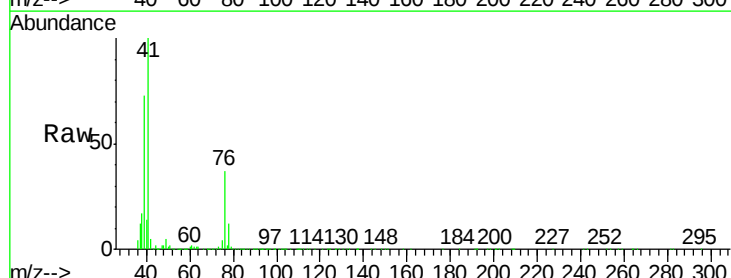
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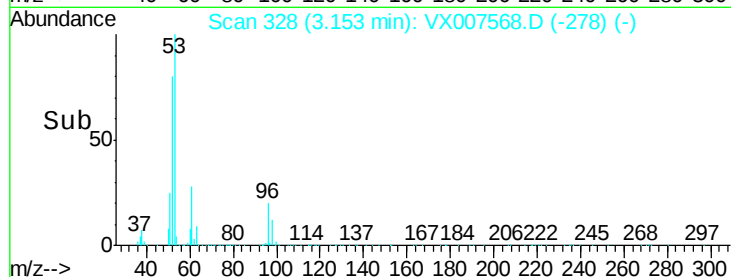
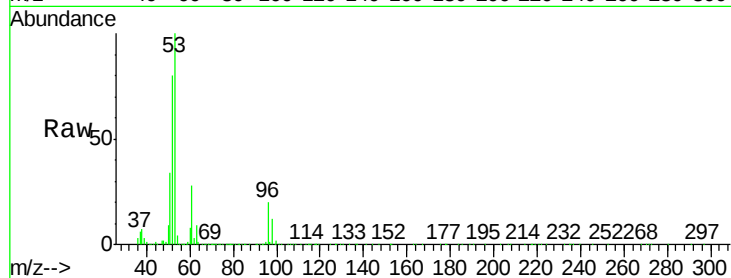
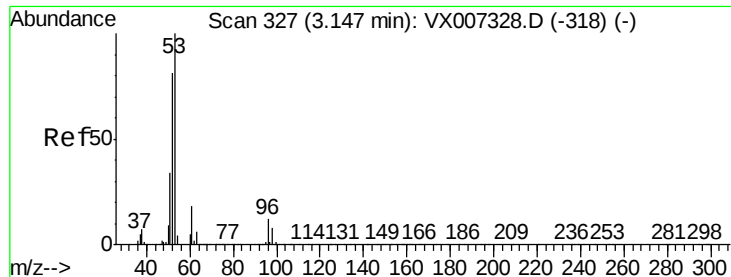
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#14
Allyl chloride
Concen: 19.438 ug/l
RT: 2.73 min Scan# 259
Delta R.T. 0.00 min
Lab File: VX007568.D
Acq: 15 Feb 2019 15:18

Tgt Ion	Ratio	Lower	Upper
41	100		
39	68.1	54.1	81.1
76	33.3	27.8	41.8





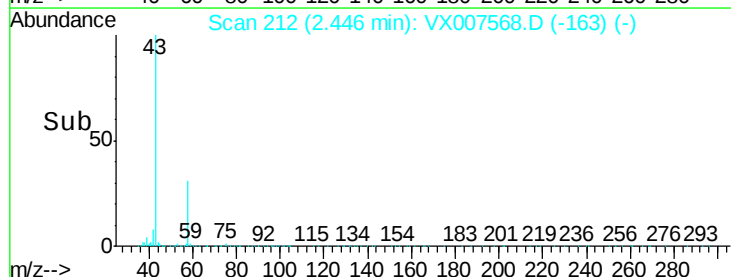
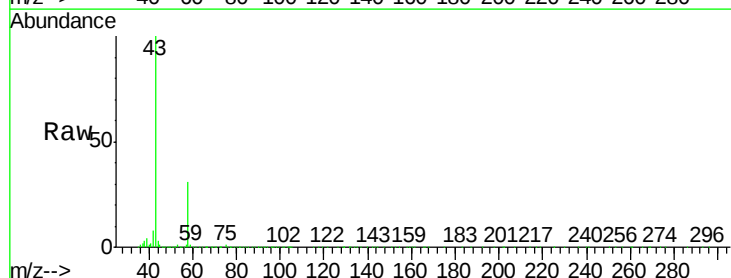
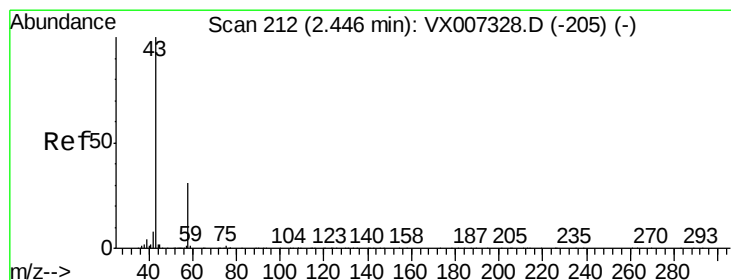
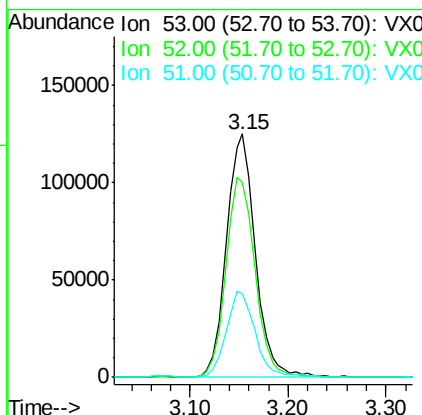
#15
Acrylonitrile
Concen: 102.847 ug/l
RT: 3.15 min Scan# 328
Delta R.T. 0.01 min
Lab File: VX007568.D
Acq: 15 Feb 2019 15:18

Tot Ion	53	Resp	254677
Ion Ratio	Lower	Upper	
53	100		
52	82.9	66.4	99.6
51	35.5	28.4	42.6

Instrument :
MSVOA_X
ClientSampleId :
VX0216WBSD02

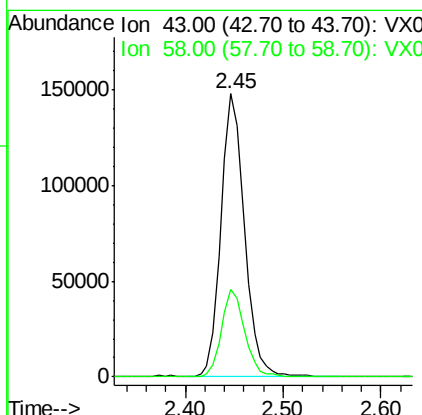
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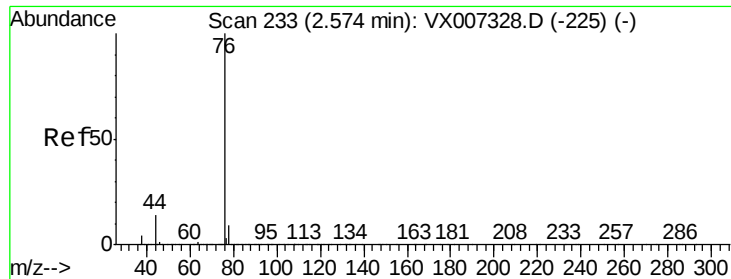
MMDadoda
2/18/2019 10:40:43 AM



#16
Acetone
Concen: 110.724 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX007568.D
Acq: 15 Feb 2019 15:18

Tgt Ion	43	Resp	245327
Ion Ratio	Lower	Upper	
43	100		
58	31.0	24.9	37.3





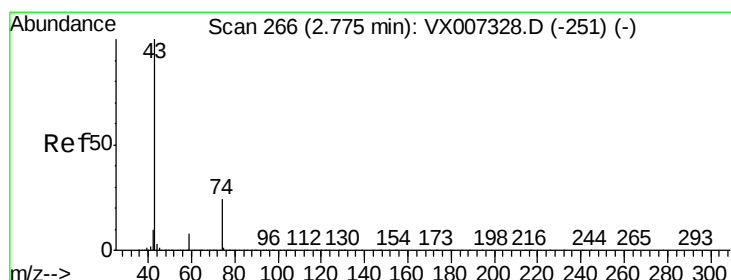
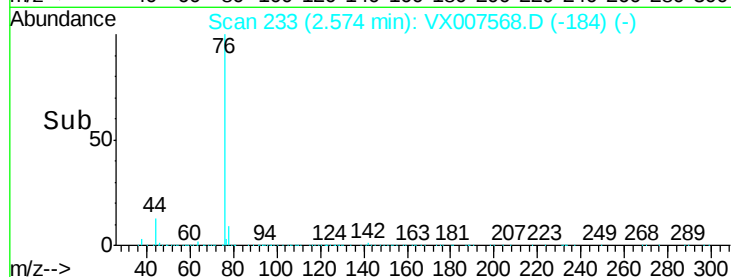
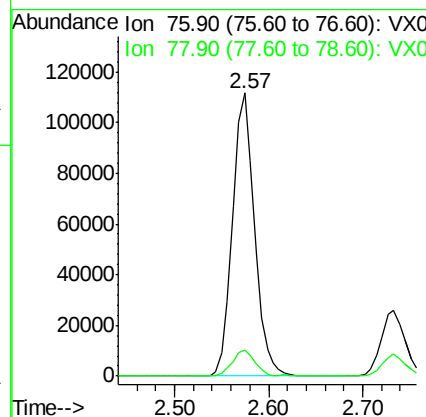
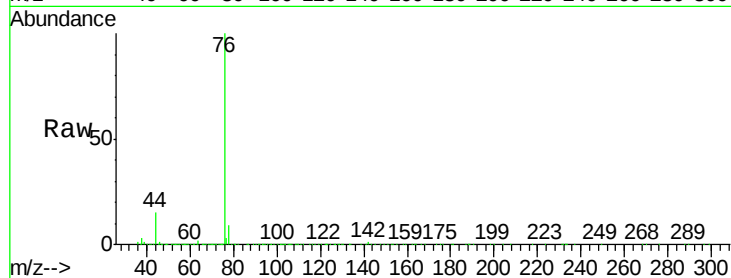
#17
Carbon Disulfide
Concen: 17.389 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.00 min
Lab File: VX007568.D
Acq: 15 Feb 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX0216WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

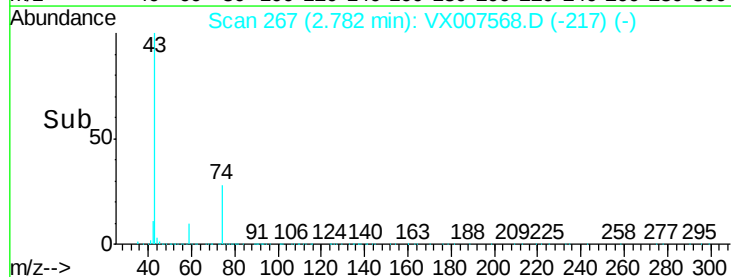
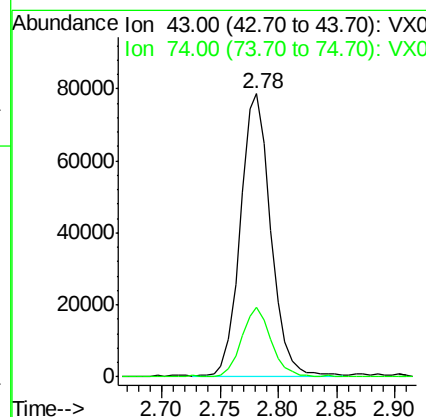
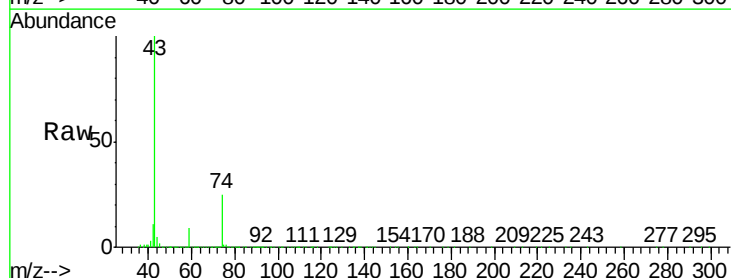
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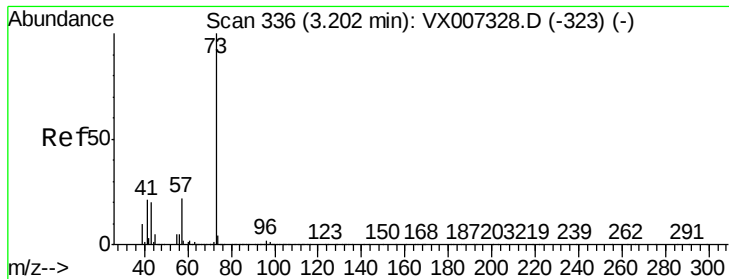
MMDadoda
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#18
Methyl Acetate
Concen: 24.866 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX007568.D
Acq: 15 Feb 2019 15:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.4	29.2





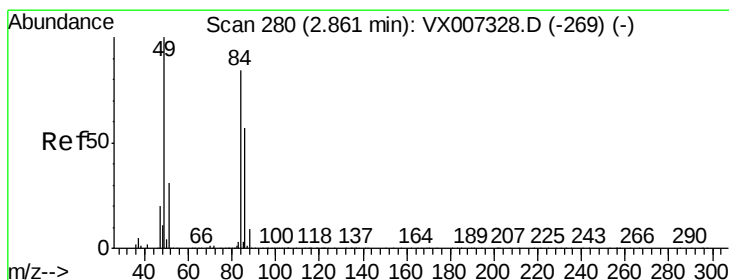
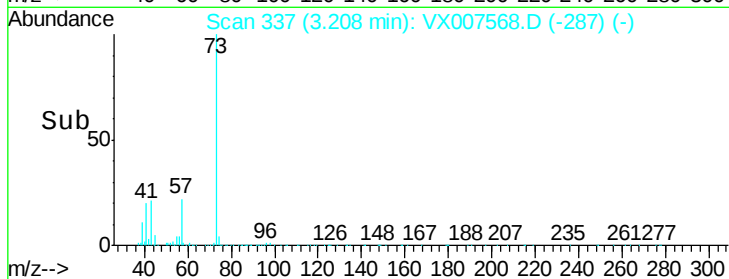
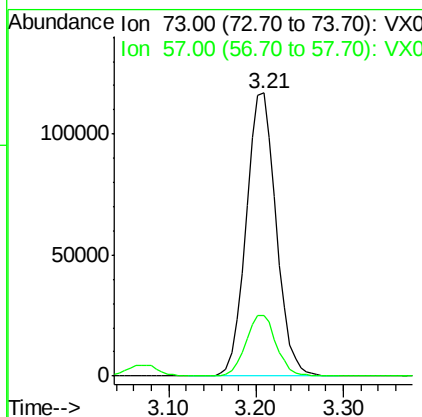
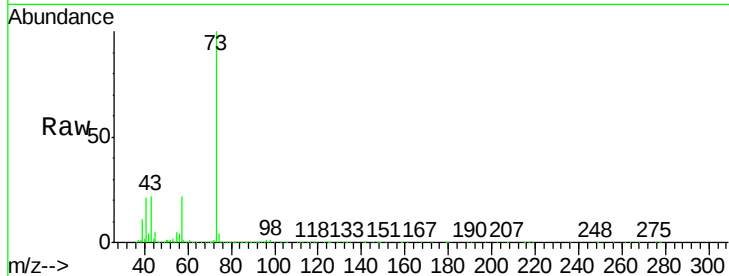
#19
Methvl tert-butvl Ether
Concen: 19.640 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX007568.D
Acq: 15 Feb 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX0216WBSD02

Tot Ion: 73 Resp: 276852
Ion Ratio Lower Upper
73 100
57 21.5 17.8 26.8

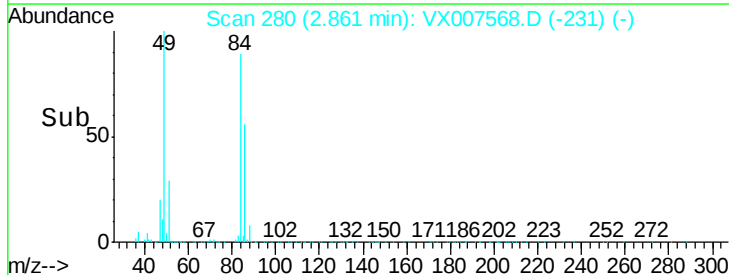
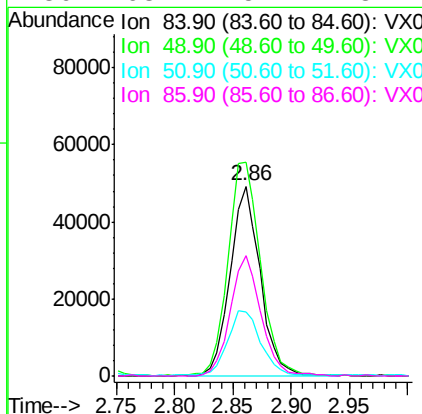
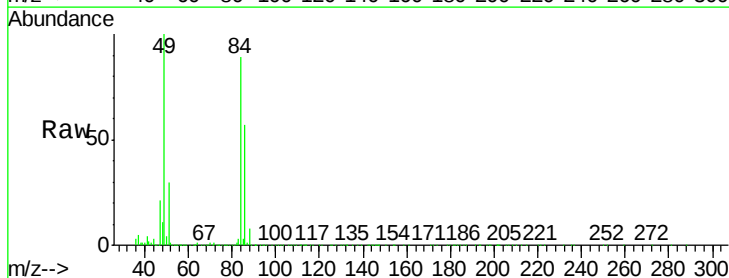
Manual Integrations
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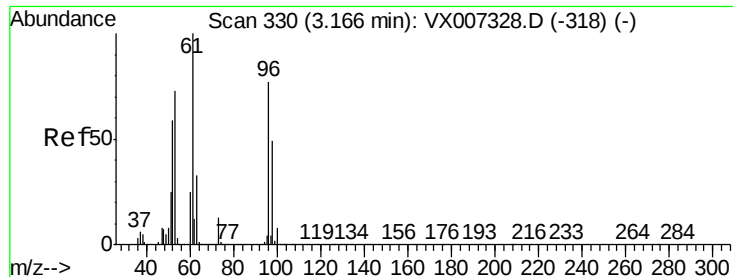
MMDadoda
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#20
Methylene Chloride
Concen: 19.393 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007568.D
Acq: 15 Feb 2019 15:18

Tgt Ion: 84 Resp: 88854
Ion Ratio Lower Upper
84 100
49 112.1 94.8 142.2
51 32.9 29.8 44.8
86 63.7 54.1 81.1





#21

trans-1,2-Dichloroethene

Concen: 18.115 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007568.D

Acq: 15 Feb 2019 15:18

Instrument :

MSVOA_X

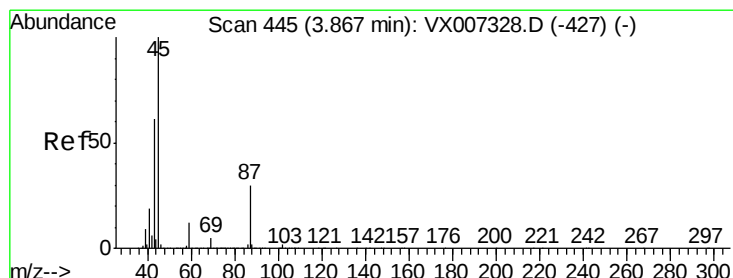
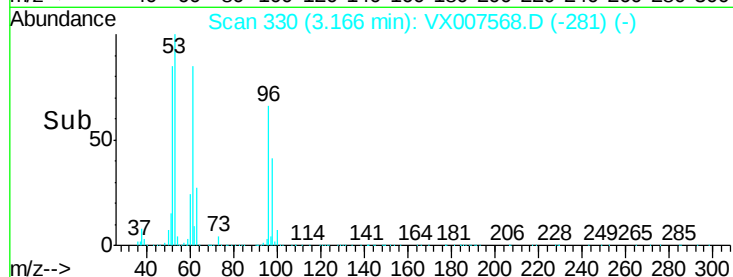
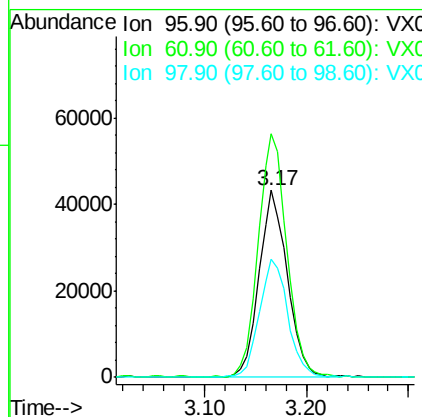
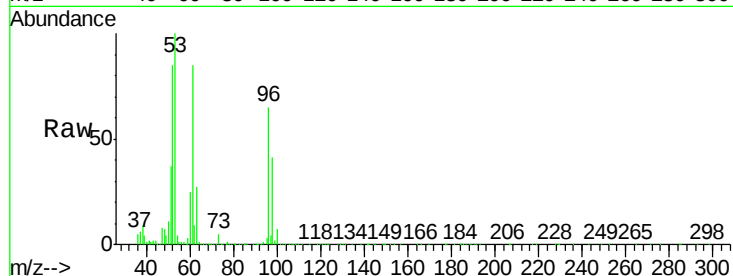
ClientSampleId :

VX0216WBSD02

Tot Ion:	96	Resp:	83962
Ion	Ratio	Lower	Upper
96	100		
61	130.2	104.6	156.8
98	62.8	51.0	76.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.190 ug/l

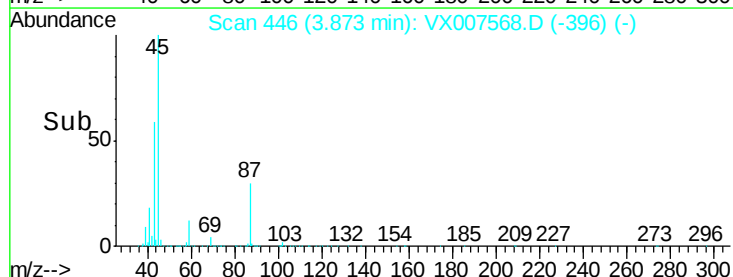
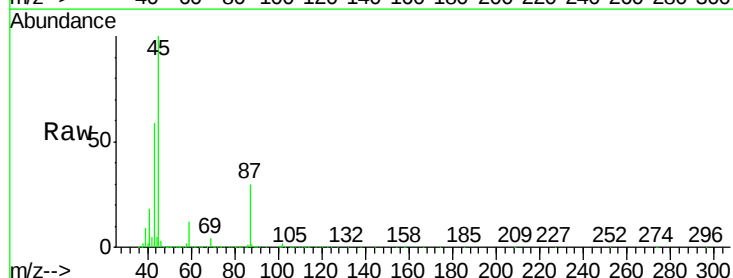
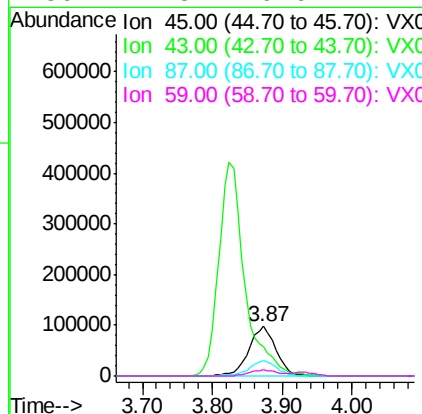
RT: 3.87 min Scan# 446

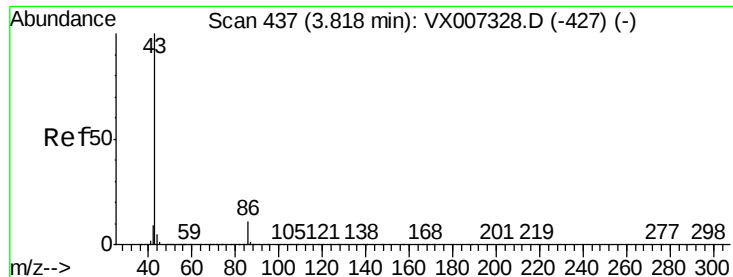
Delta R.T. 0.01 min

Lab File: VX007568.D

Acq: 15 Feb 2019 15:18

Tgt Ion:	45	Resp:	263283
Ion	Ratio	Lower	Upper
45	100		
43	58.5	48.9	73.3
87	30.3	23.9	35.9
59	11.8	9.6	14.4





#23

Vinyl Acetate

Concen: 101.250 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX007568.D

Acq: 15 Feb 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

VX0216WBSD02

Tot Ion: 43 Resp: 1095667

Ion Ratio Lower Upper

43 100

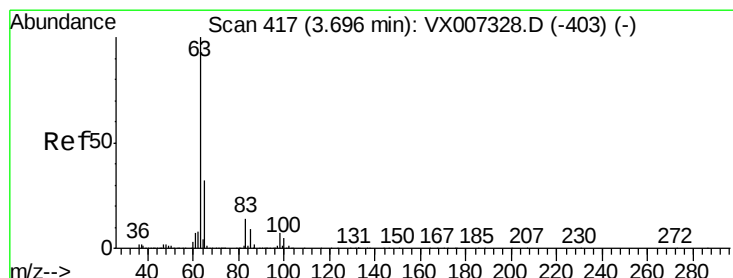
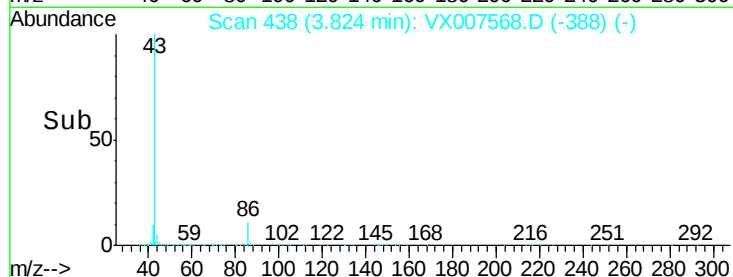
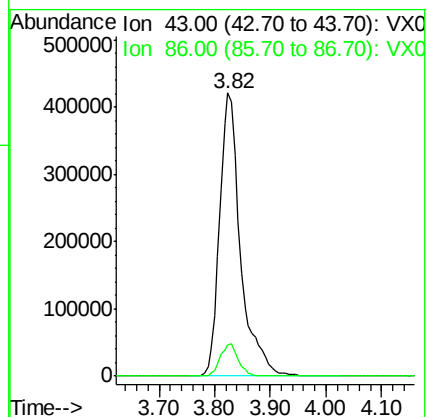
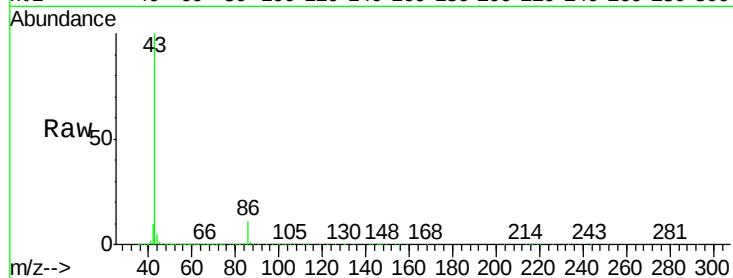
86 11.0 8.7 13.1

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.786 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007568.D

Acq: 15 Feb 2019 15:18

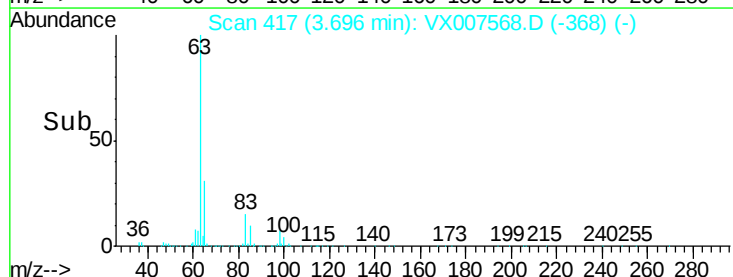
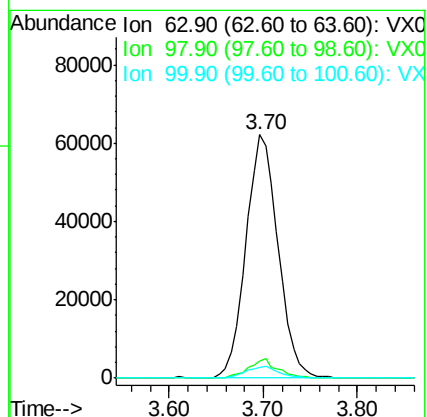
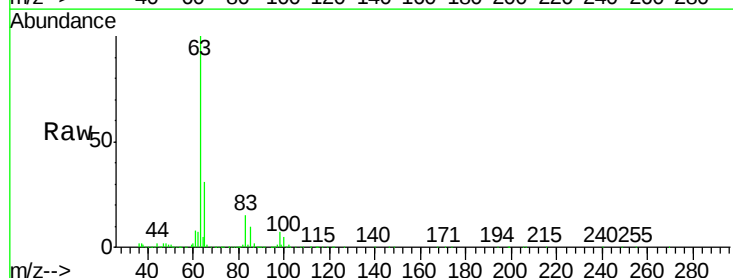
Tgt Ion: 63 Resp: 148176

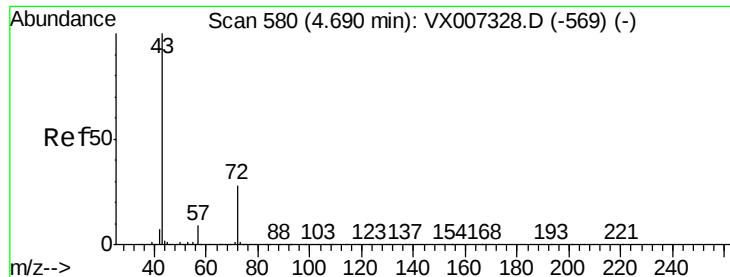
Ion Ratio Lower Upper

63 100

98 6.8 3.6 10.8

100 4.6 2.5 7.4





#25

2-Butanone

Concen: 109.261 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.01 min

Lab File: VX007568.D

Acq: 15 Feb 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

VX0216WBSD02

Tot Ion: 43 Resp: 344517

Ion Ratio Lower Upper

43 100

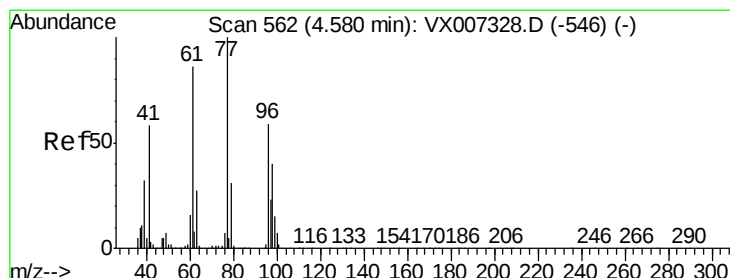
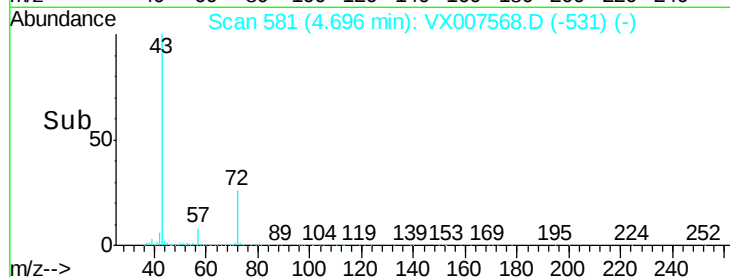
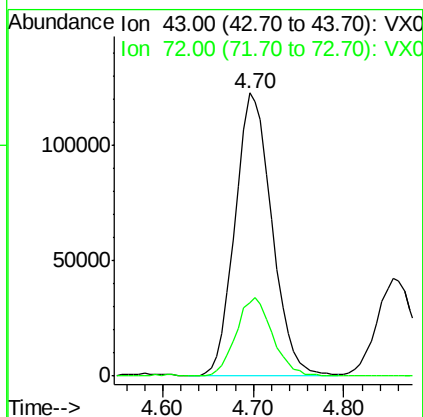
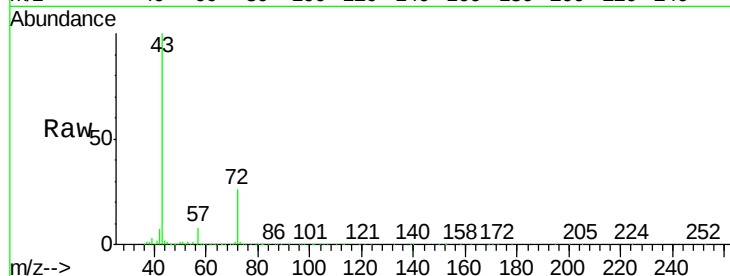
72 25.6 22.2 33.2

Manual Integrations

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MMDadoda

2/18/2019 10:40:43 AM



#26

2,2-Dichloropropane

Concen: 19.564 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX007568.D

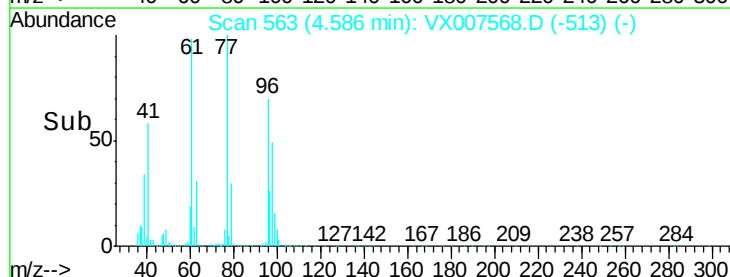
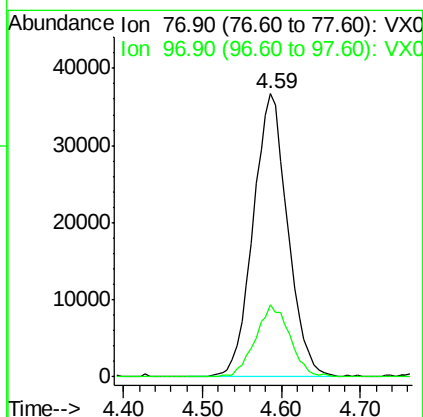
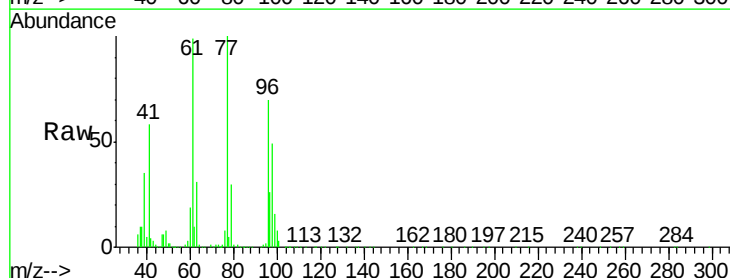
Acq: 15 Feb 2019 15:18

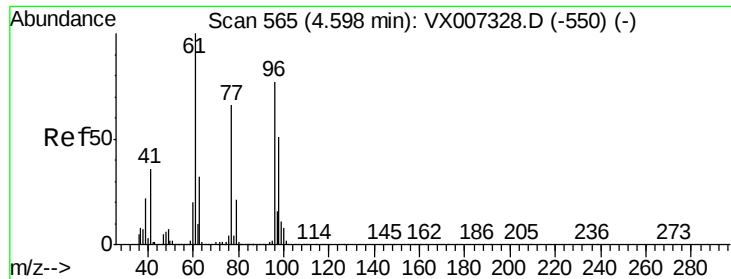
Tgt Ion: 77 Resp: 111576

Ion Ratio Lower Upper

77 100

97 25.7 12.1 36.3





#27

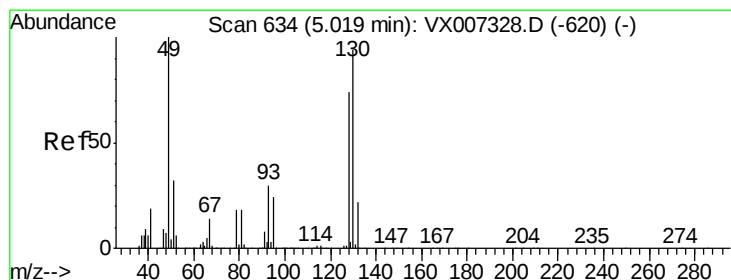
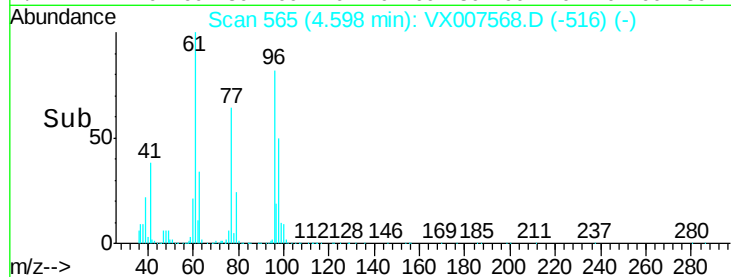
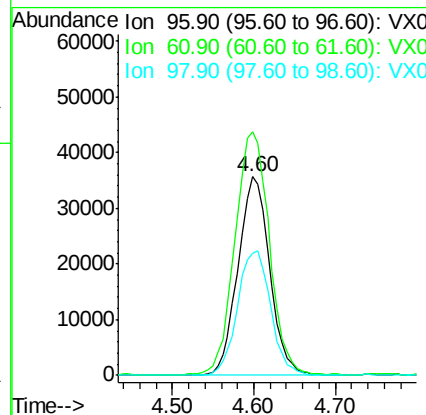
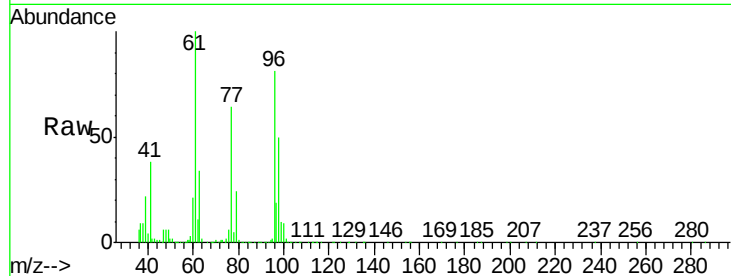
cis-1,2-Dichloroethene
Concen: 19.018 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007568.D
Acq: 15 Feb 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX0216WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.0	0.0	265.6
98	65.5	0.0	131.6

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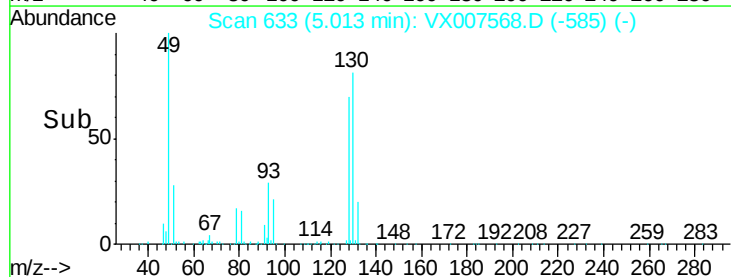
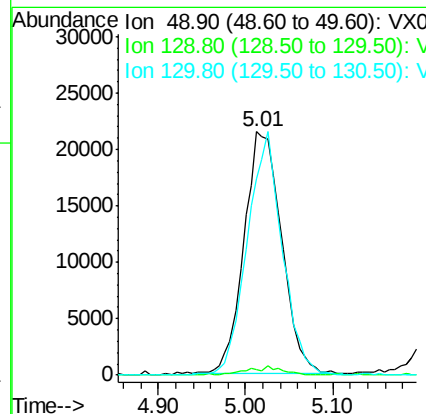
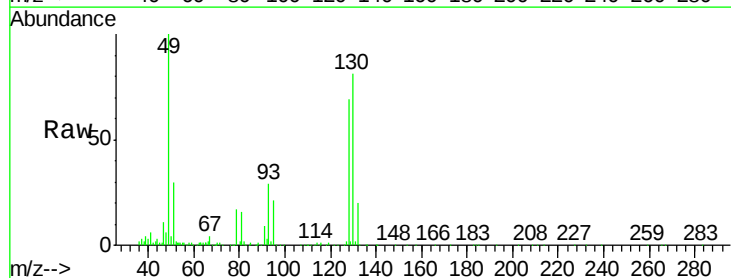
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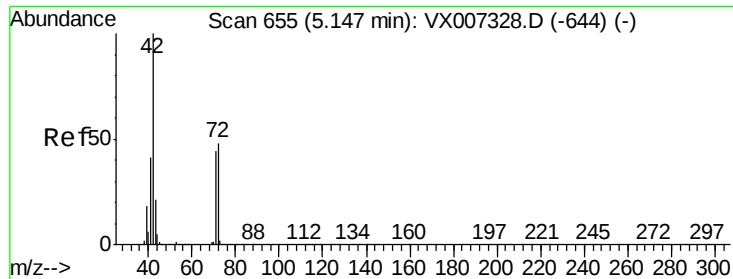


#28

Bromochloromethane
Concen: 18.747 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX007568.D
Acq: 15 Feb 2019 15:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.3	0.0	5.6
130	92.7	75.6	113.4





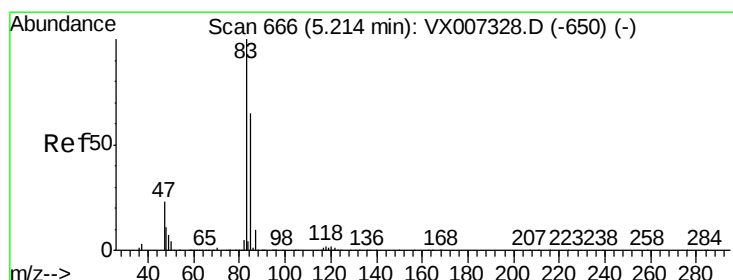
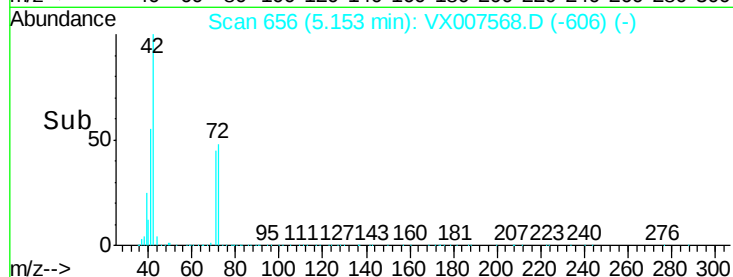
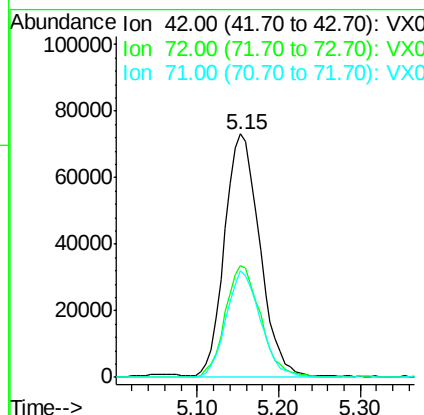
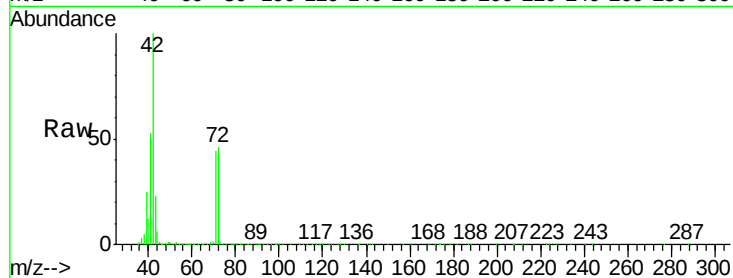
#29
Tetrahydrofuran
Concen: 109.489 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.01 min
Lab File: VX007568.D
Acq: 15 Feb 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX0216WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.7	37.6	56.4
71	42.6	34.6	51.8

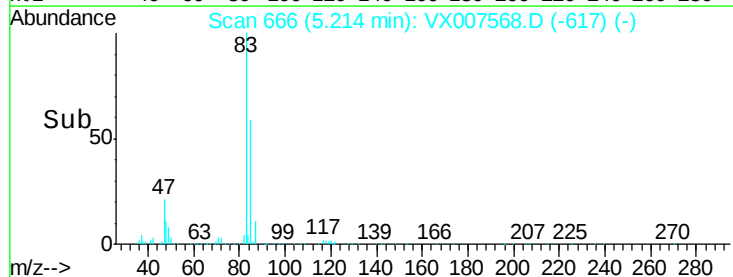
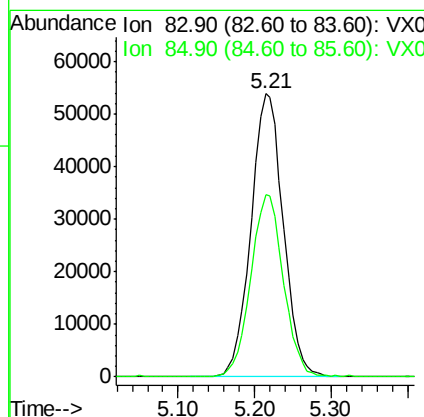
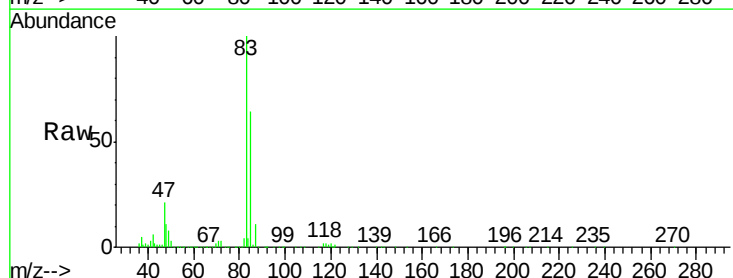
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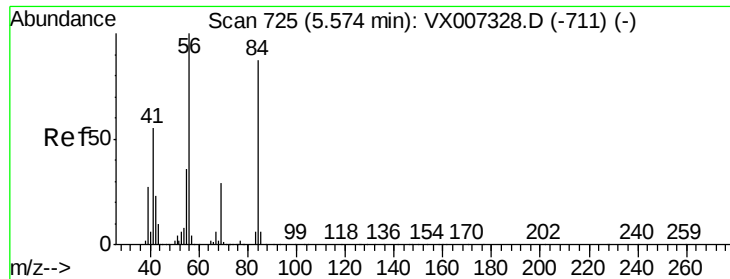
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#30
Chloroform
Concen: 20.280 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007568.D
Acq: 15 Feb 2019 15:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.6	77.4





#31

Cyclohexane

Concen: 18.031 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX007568.D

Acq: 15 Feb 2019 15:18

Instrument :

MSVOA_X

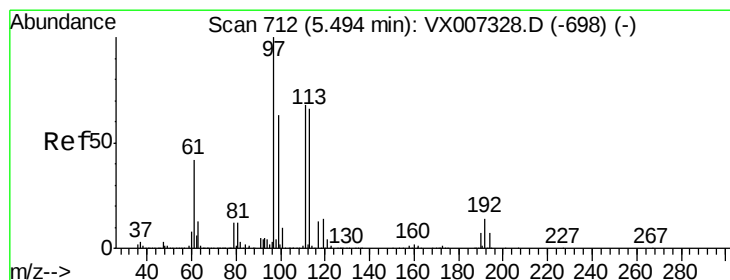
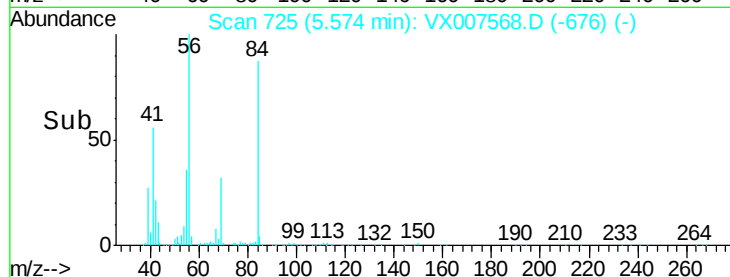
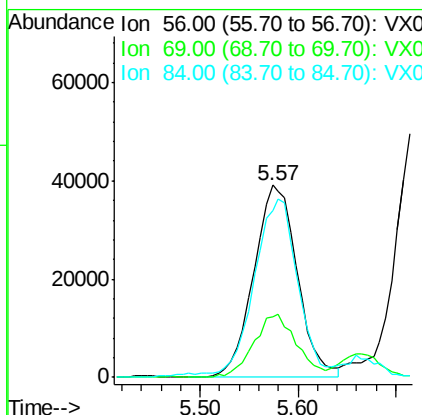
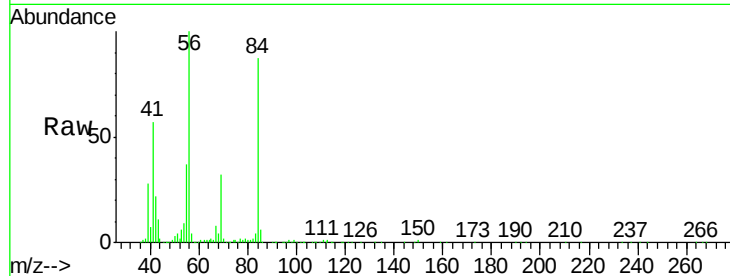
ClientSampleId :

VX0216WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.2	23.0	34.6
84	84.5	69.8	104.6

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#32

1,1,1-Trichloroethane

Concen: 20.037 ug/l

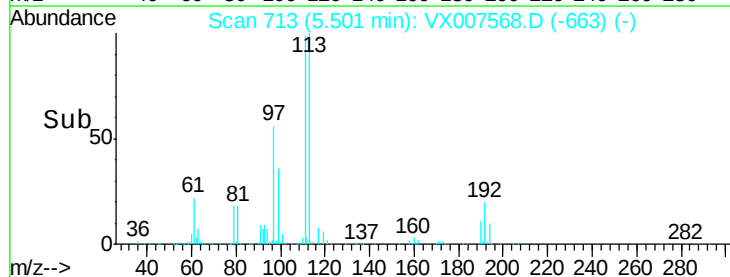
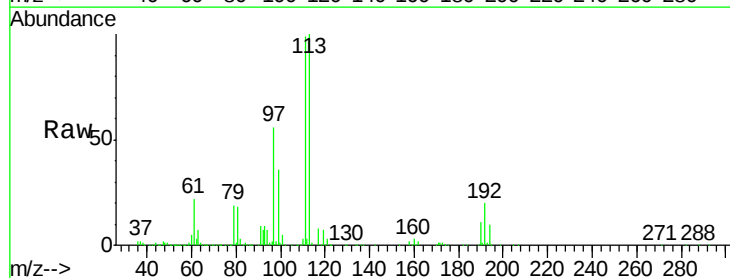
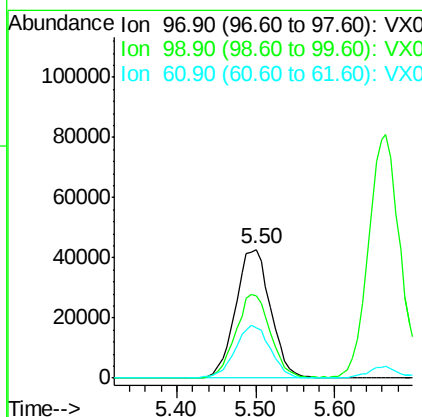
RT: 5.50 min Scan# 713

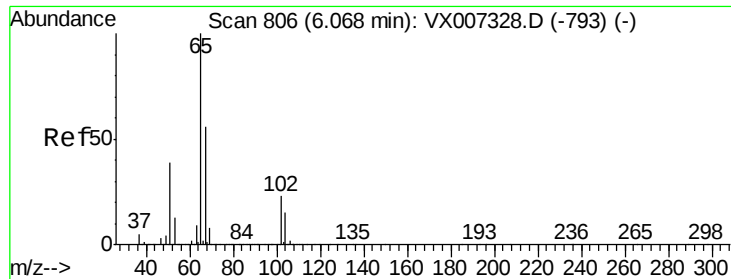
Delta R.T. 0.01 min

Lab File: VX007568.D

Acq: 15 Feb 2019 15:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	52.2	78.2
61	41.1	32.7	49.1





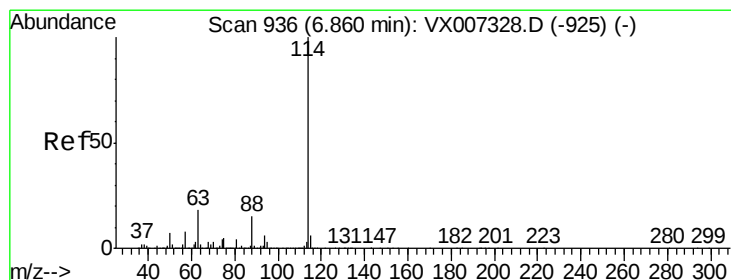
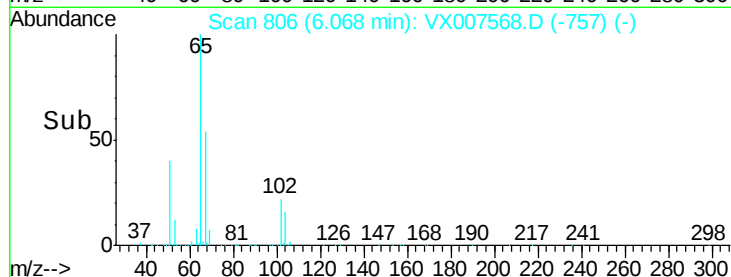
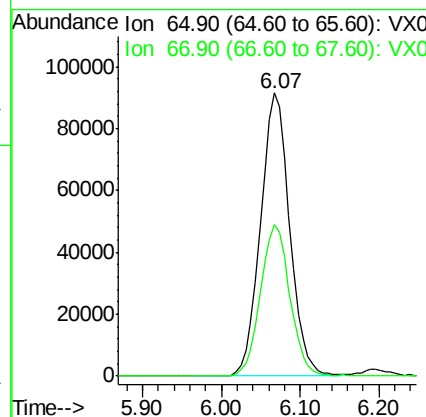
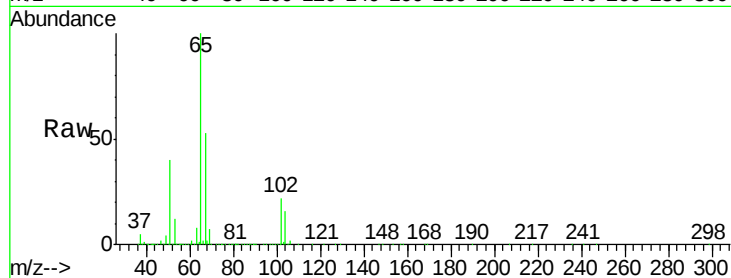
#33
 1,2-Dichloroethane-d4
 Concen: 48.400 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007568.D
 Acq: 15 Feb 2019 15:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0216WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	234108		
67	54.0	0.0	108.8	

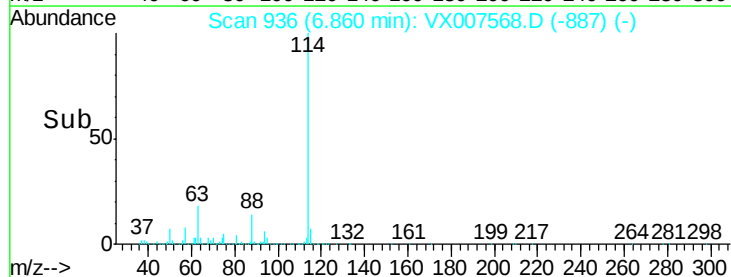
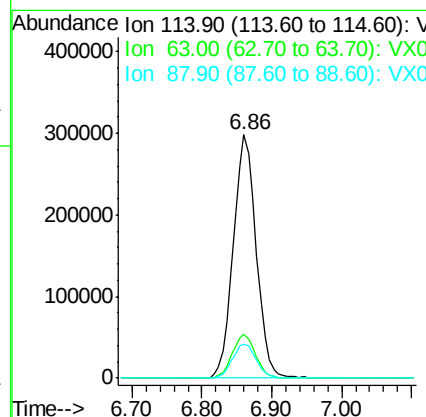
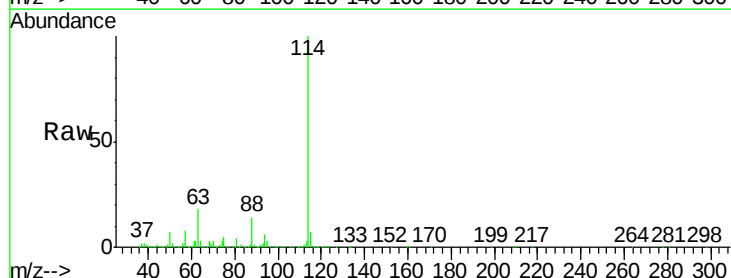
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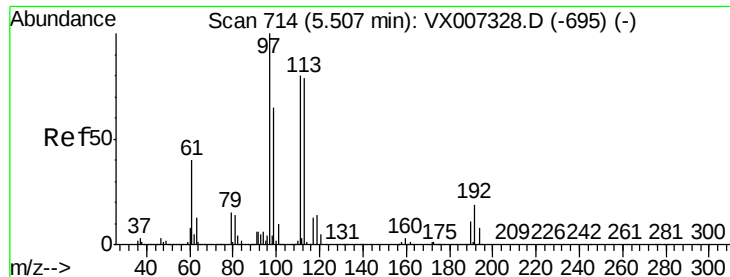
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007568.D
 Acq: 15 Feb 2019 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	679214		
63	18.2	0.0	35.6	
88	14.0	0.0	29.6	





#35

Dibromofluoromethane

Concen: 48.834 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007568.D

Acq: 15 Feb 2019 15:18

Instrument :

MSVOA_X

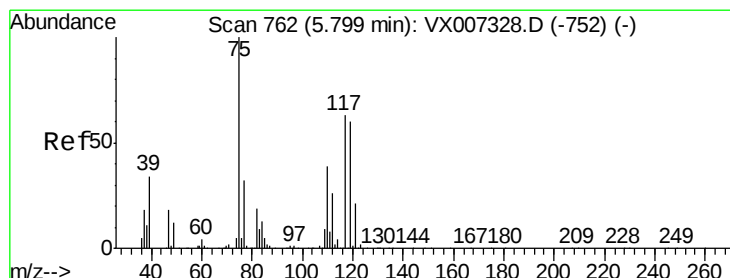
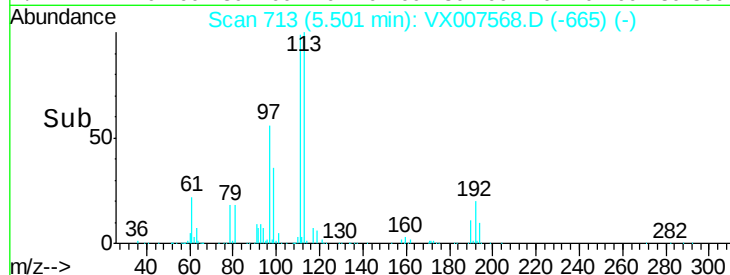
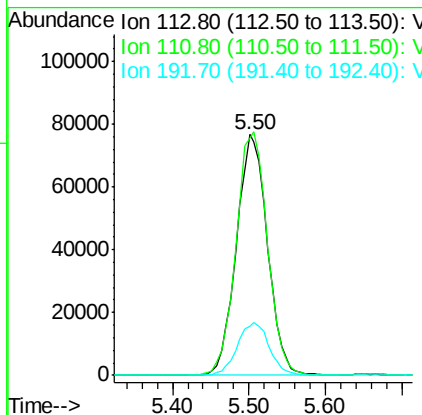
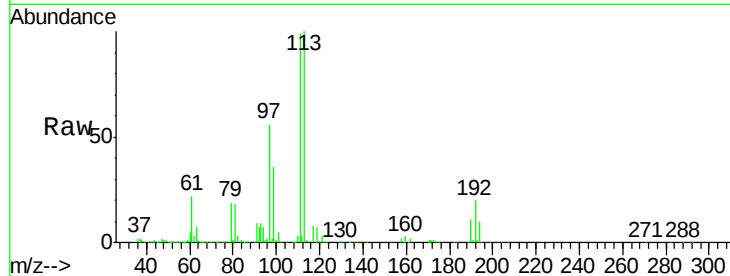
ClientSampleId :

VX0216WBSD02

Tot Ion:	113	Resp:	215816
Ion Ratio	Lower	Upper	
113	100		
111	102.4	81.8	122.8
192	22.5	18.5	27.7

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#36

1,1-Dichloropropene

Concen: 17.813 ug/l

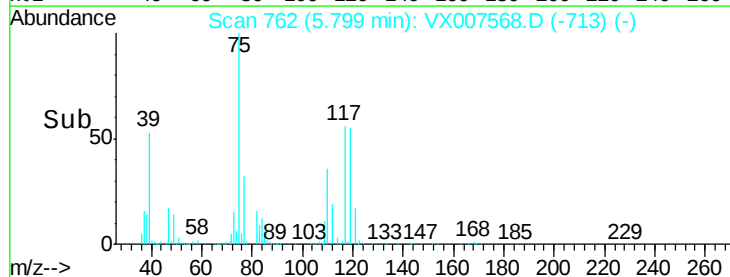
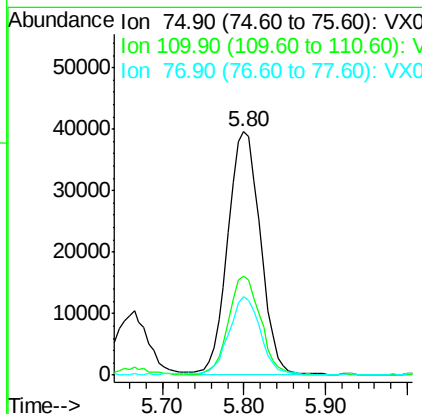
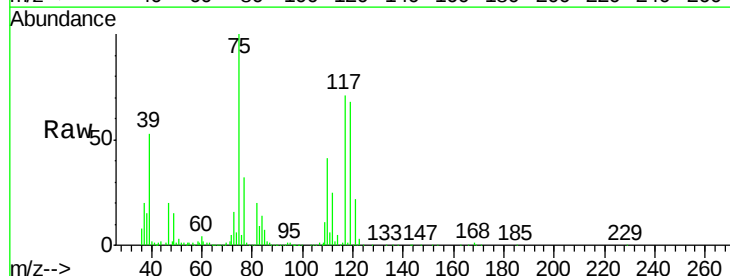
RT: 5.80 min Scan# 762

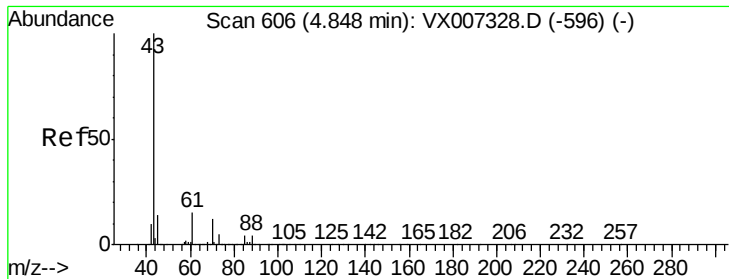
Delta R.T. 0.00 min

Lab File: VX007568.D

Acq: 15 Feb 2019 15:18

Tgt Ion:	75	Resp:	108554
Ion Ratio	Lower	Upper	
75	100		
110	40.3	20.0	59.9
77	31.0	24.7	37.1





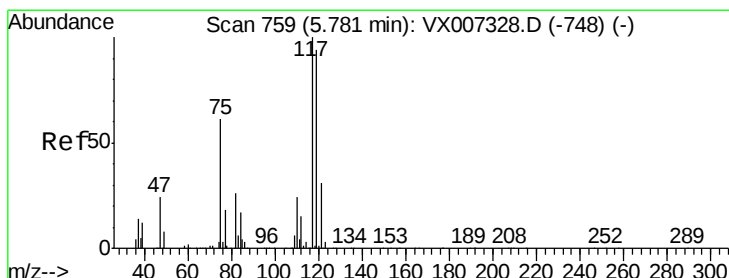
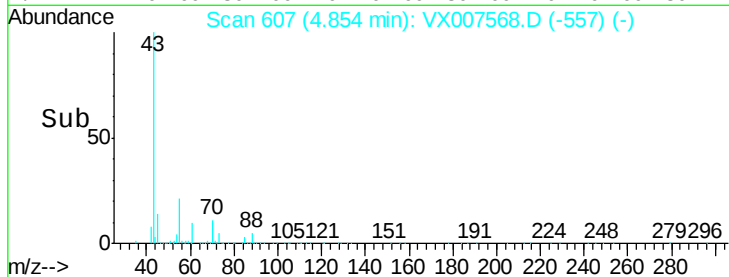
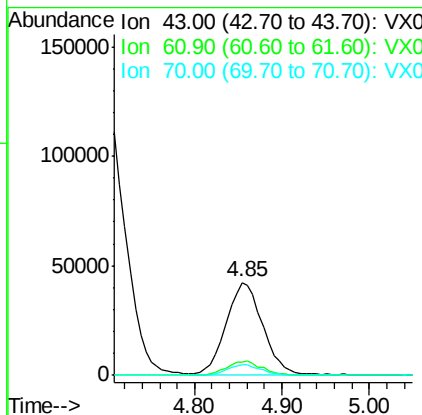
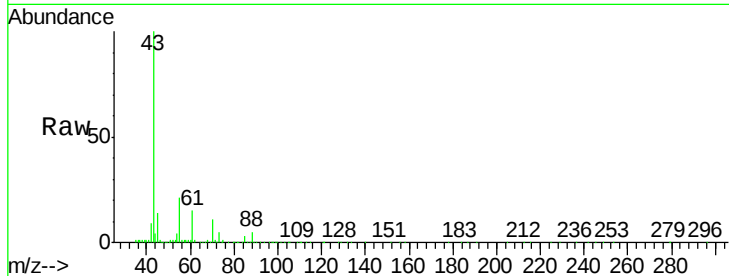
#37
Ethyl Acetate
Concen: 19.758 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX007568.D
Acq: 15 Feb 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX0216WBSD02

Tot Ion	43	Resp	121720
Ion Ratio	Lower	Upper	
43	100		
61	14.4	11.3	16.9
70	11.2	8.6	13.0

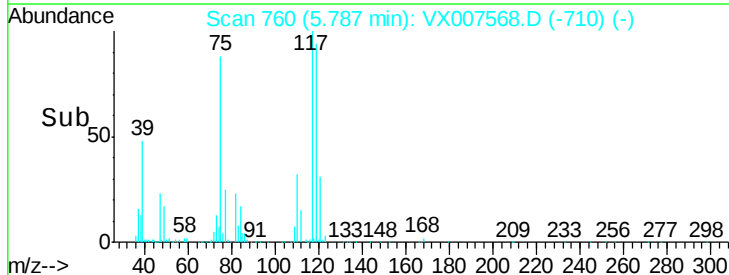
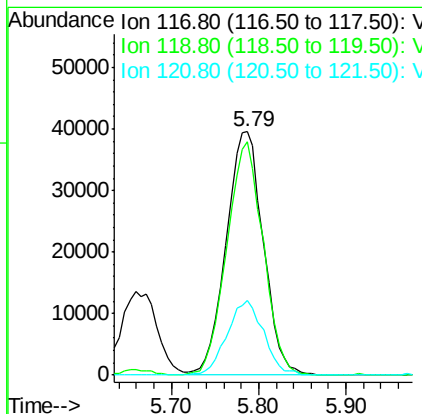
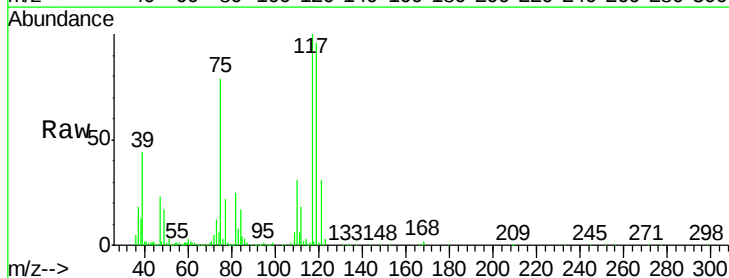
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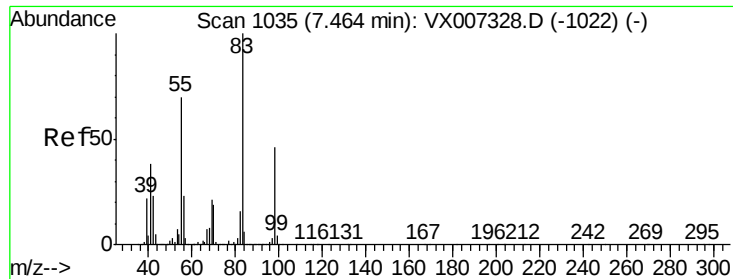
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#38
Carbon Tetrachloride
Concen: 19.716 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX007568.D
Acq: 15 Feb 2019 15:18

Tgt Ion	117	Resp	116569
Ion Ratio	Lower	Upper	
117	100		
119	95.6	75.3	112.9
121	30.8	25.0	37.4





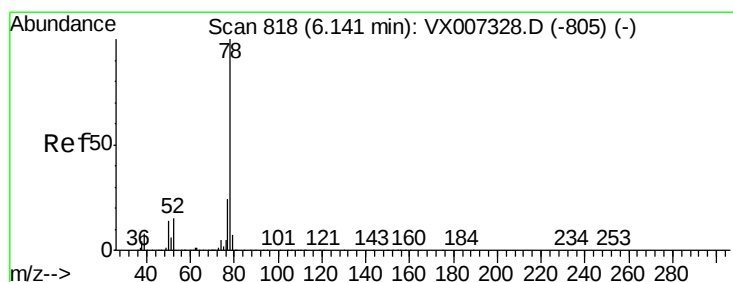
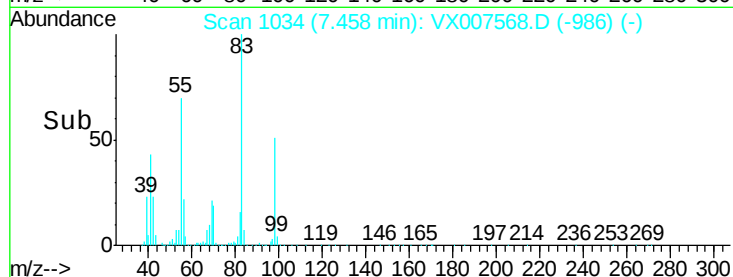
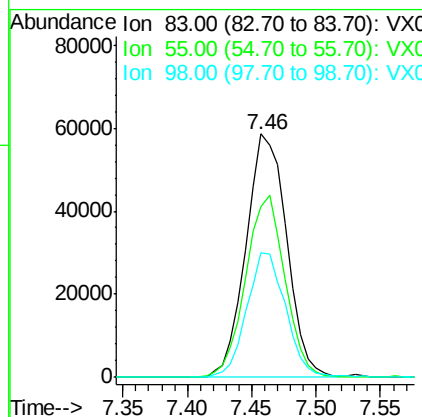
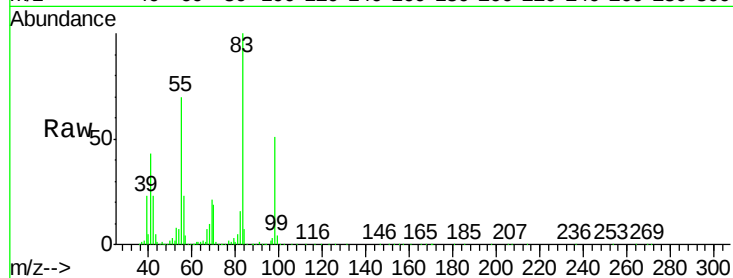
#39
Methvlcvclohexane
Concen: 17.398 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007568.D
Acq: 15 Feb 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX0216WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.2	56.2	84.2
98	51.0	36.8	55.2

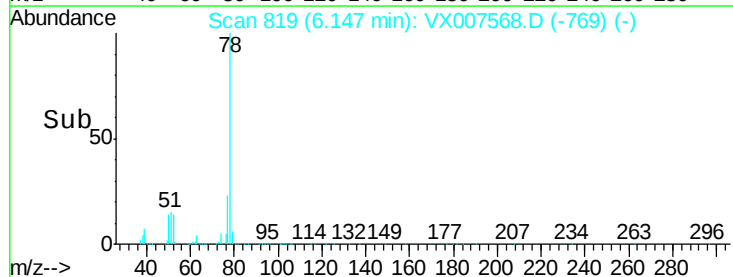
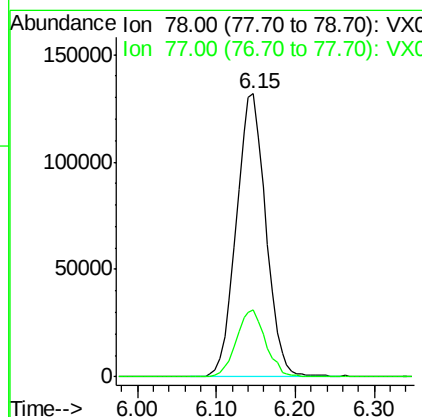
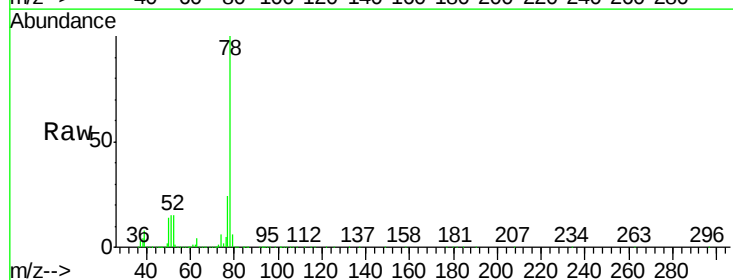
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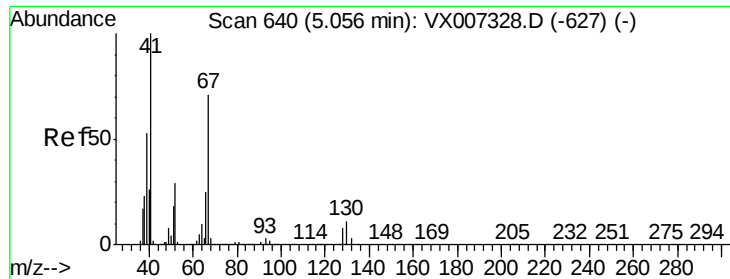
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#40
Benzene
Concen: 19.089 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX007568.D
Acq: 15 Feb 2019 15:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.3	28.9





#41

Methacrylonitrile

Concen: 20.419 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.01 min

Lab File: VX007568.D

Acq: 15 Feb 2019 15:18

Instrument :

MSVOA_X

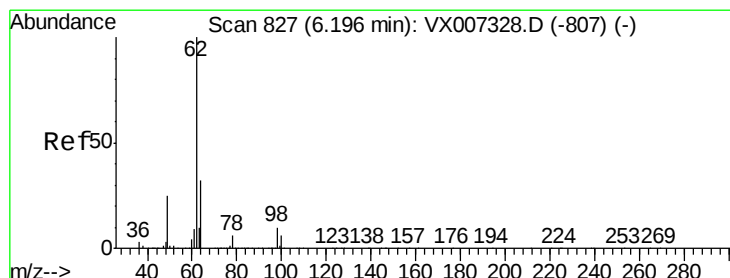
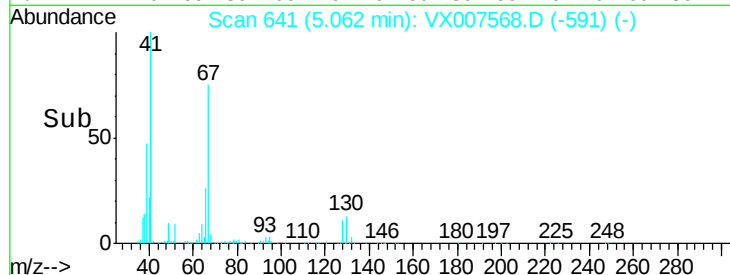
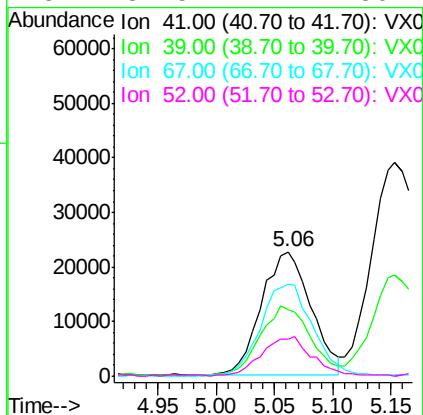
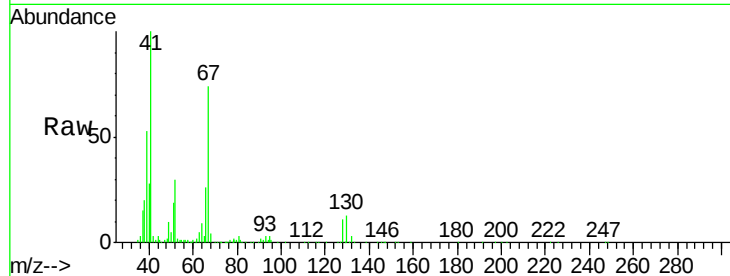
ClientSampleId :

VX0216WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.3	44.5	66.7	
67	78.9	60.4	90.6	
52	31.5	24.1	36.1	

Manual Integrations
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2/18/2019 10:40:43 AM



#42

1,2-Dichloroethane

Concen: 18.778 ug/l

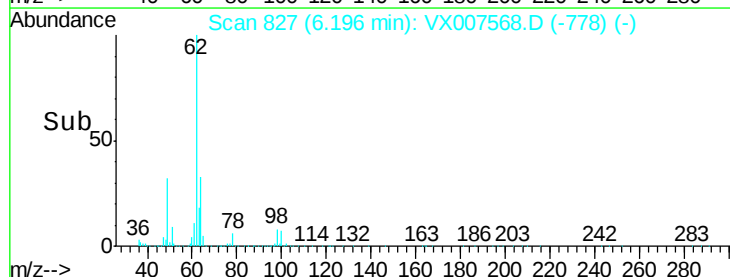
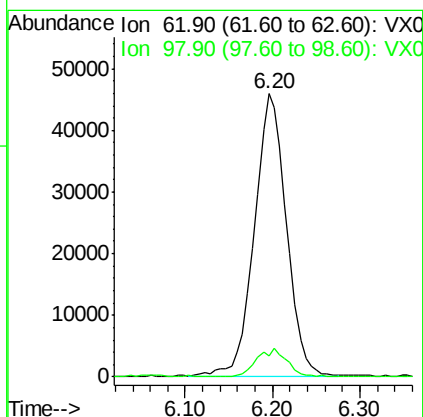
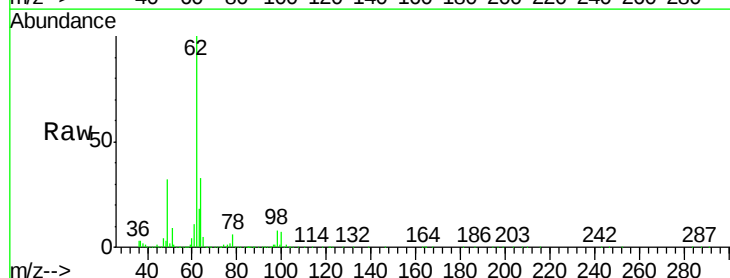
RT: 6.20 min Scan# 827

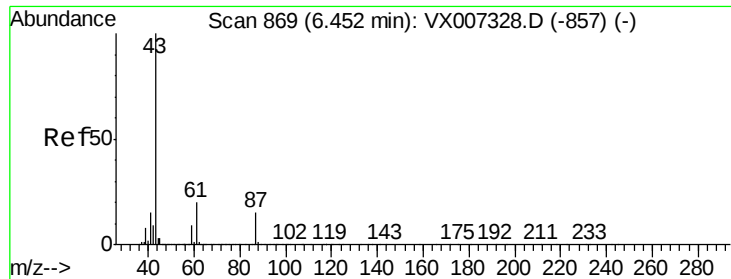
Delta R.T. 0.00 min

Lab File: VX007568.D

Acq: 15 Feb 2019 15:18

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	19.0	





#43

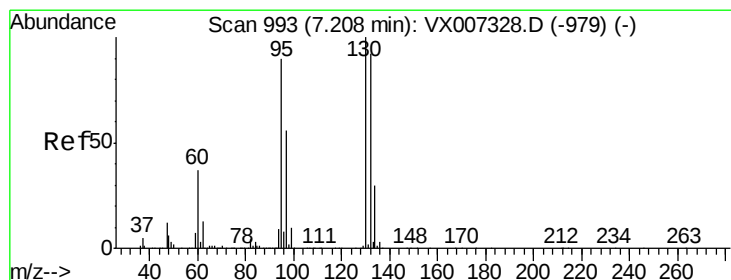
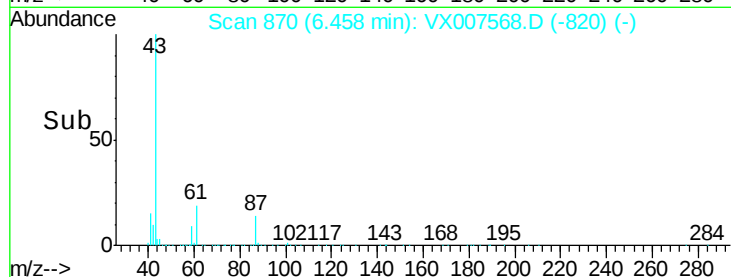
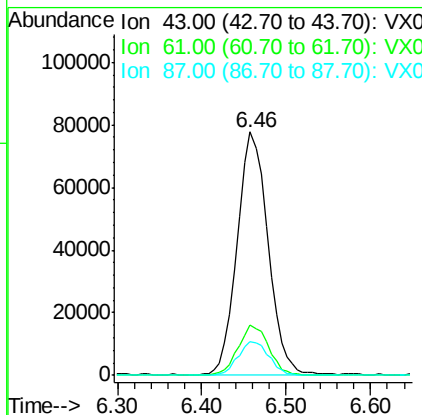
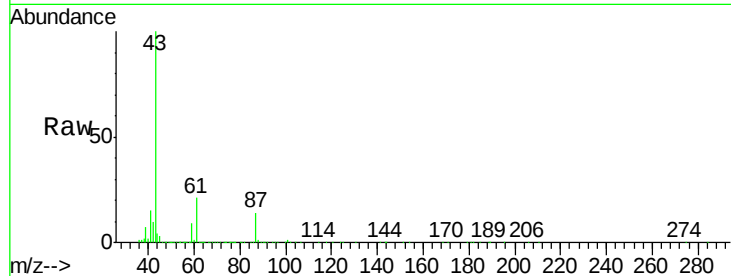
Isopropyl Acetate
 Concen: 20.359 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.01 min
 Lab File: VX007568.D
 Acq: 15 Feb 2019 15:18

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0216WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.1	24.1
87	14.1	11.5	17.3

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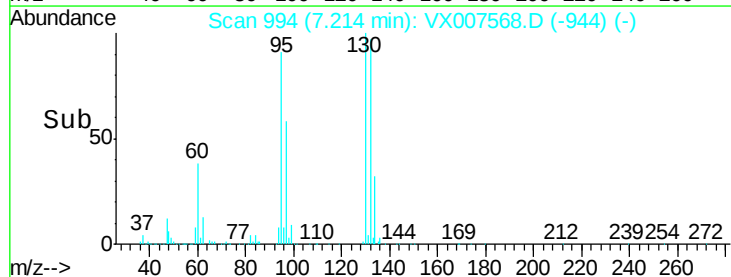
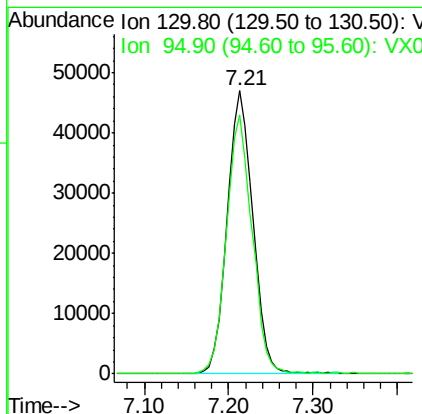
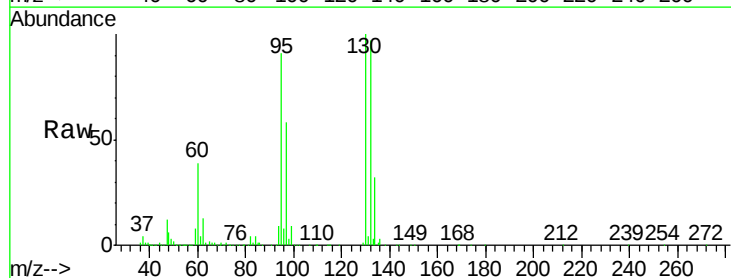
MMDadoda
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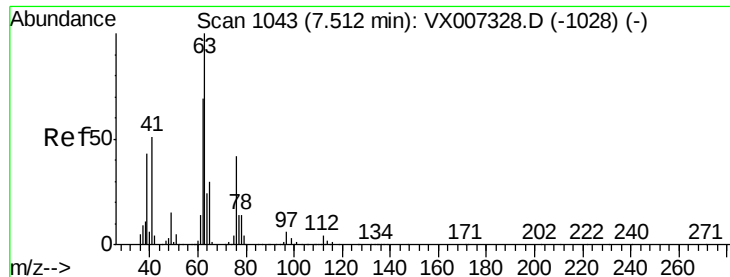


#44

Trichloroethene
 Concen: 18.102 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX007568.D
 Acq: 15 Feb 2019 15:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.4	0.0	180.0





#45

1,2-Dichloropropane

Concen: 19.720 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX007568.D

Acq: 15 Feb 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

VX0216WBSD02

Tot Ion: 63 Resp: 88698

Ion Ratio Lower Upper

63 100

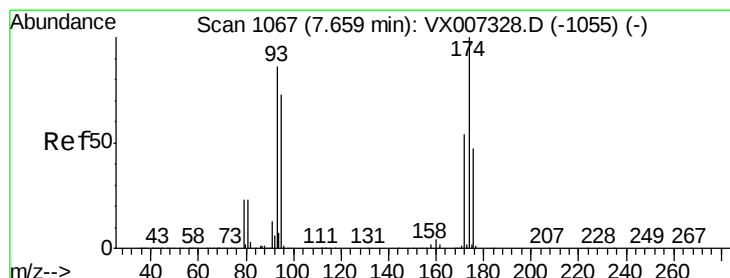
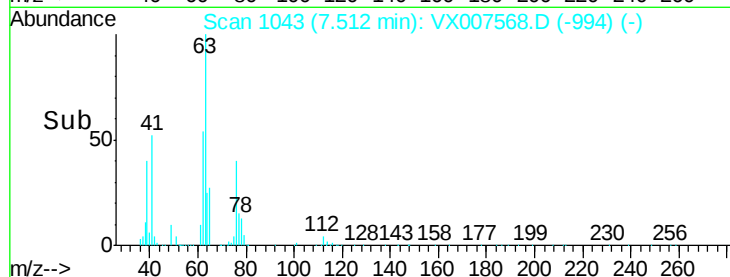
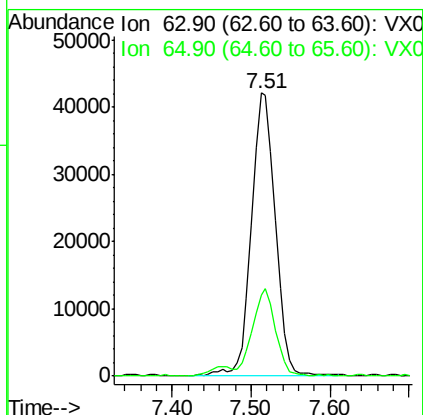
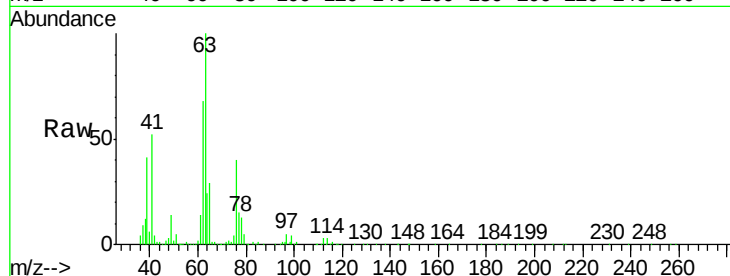
65 28.7 24.2 36.2

Manual Integrations

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#46

Dibromomethane

Concen: 18.912 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX007568.D

Acq: 15 Feb 2019 15:18

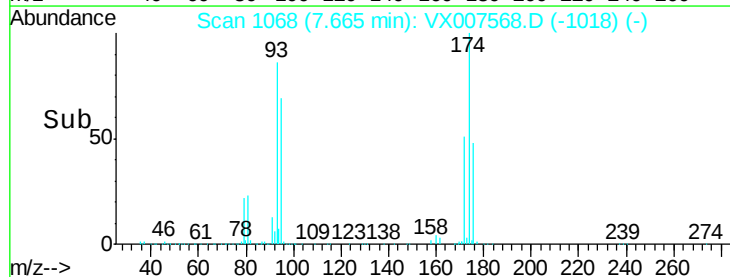
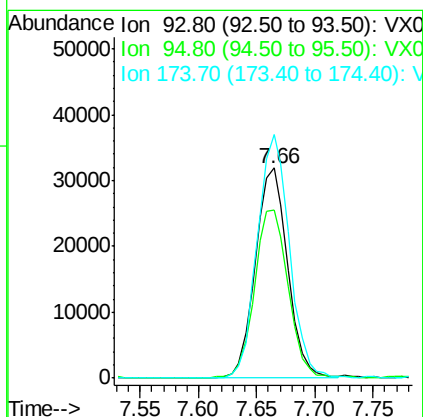
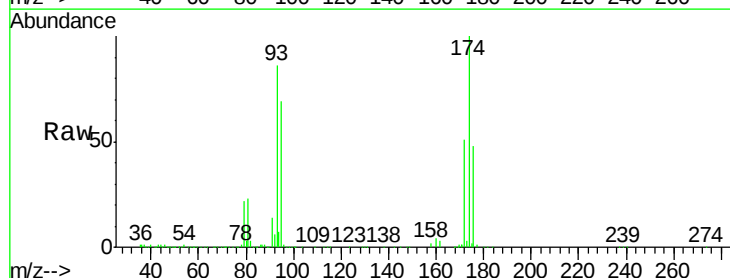
Tgt Ion: 93 Resp: 61825

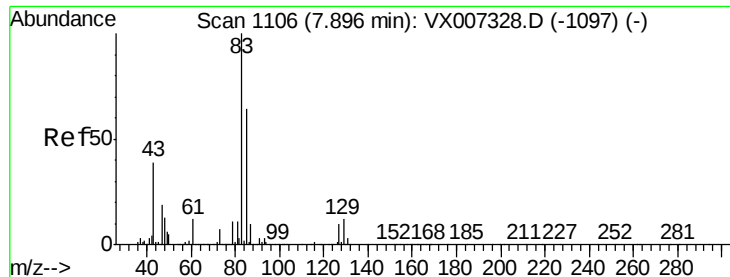
Ion Ratio Lower Upper

93 100

95 83.7 67.6 101.4

174 115.5 94.2 141.4





#47

Bromodichloromethane

Concen: 19.045 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007568.D

Acq: 15 Feb 2019 15:18

Instrument :

MSVOA_X

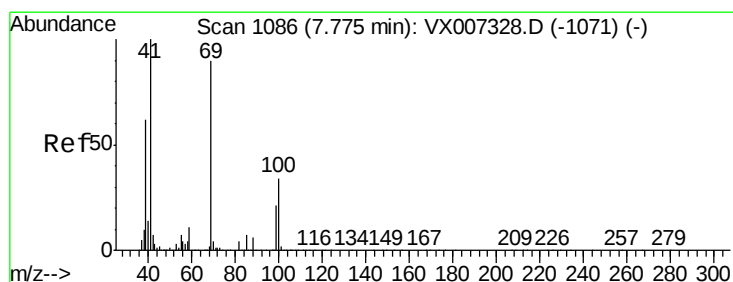
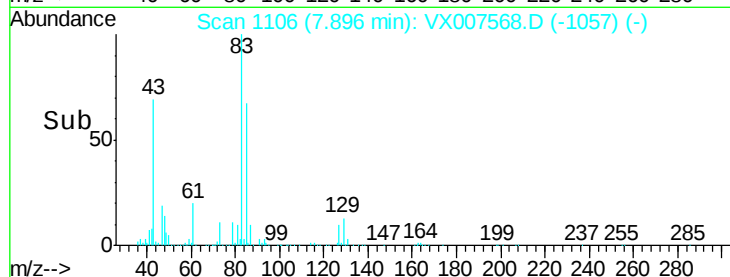
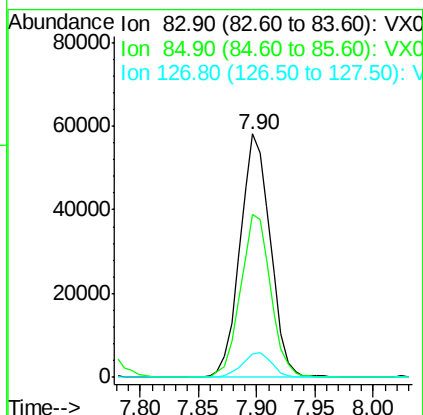
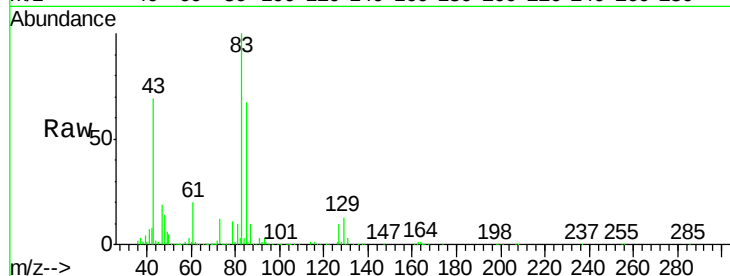
ClientSampleId :

VX0216WBSD02

Tot Ion:	83	Resp:	105512
Ion Ratio	Lower	Upper	
83	100		
85	66.8	51.4	77.0
127	9.6	8.1	12.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.728 ug/l

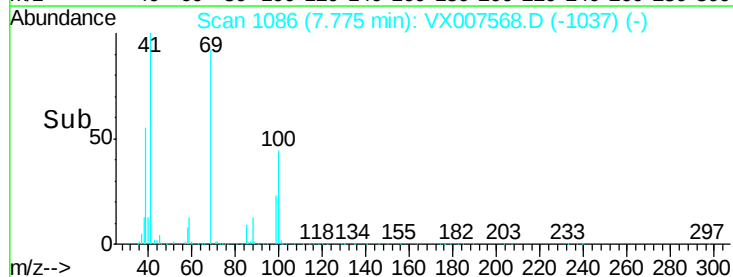
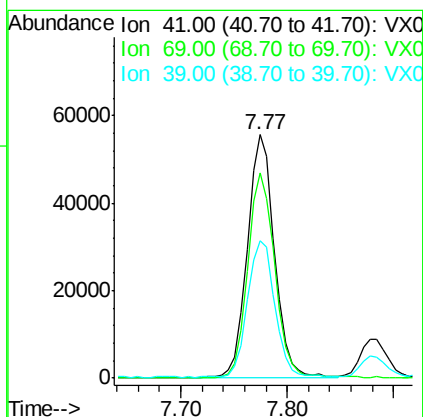
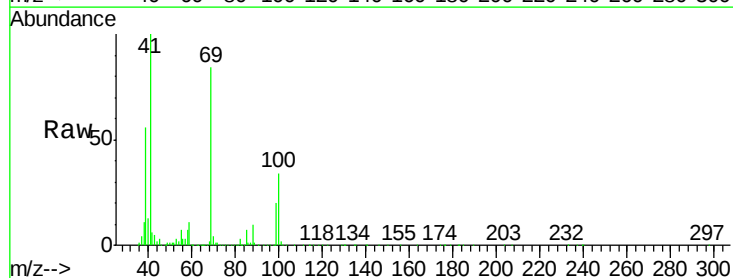
RT: 7.77 min Scan# 1086

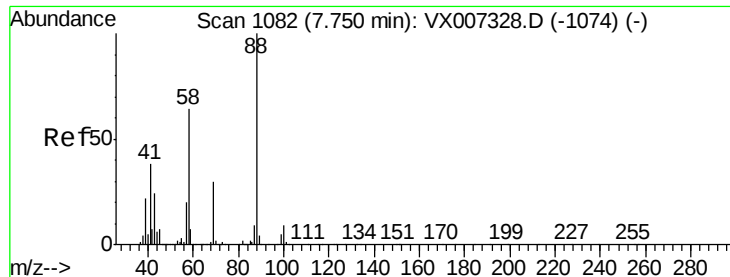
Delta R.T. 0.00 min

Lab File: VX007568.D

Acq: 15 Feb 2019 15:18

Tgt Ion:	41	Resp:	98586
Ion Ratio	Lower	Upper	
41	100		
69	85.1	70.2	105.4
39	57.7	47.4	71.0





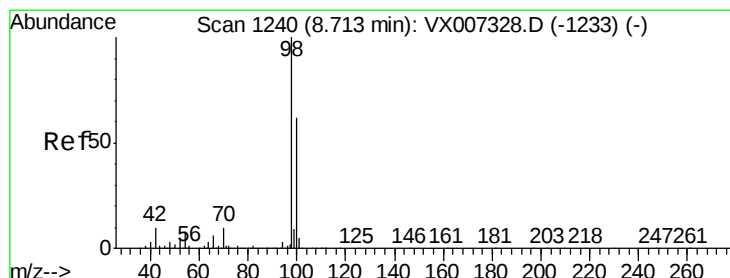
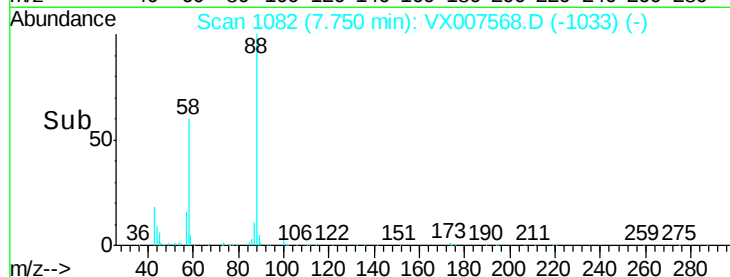
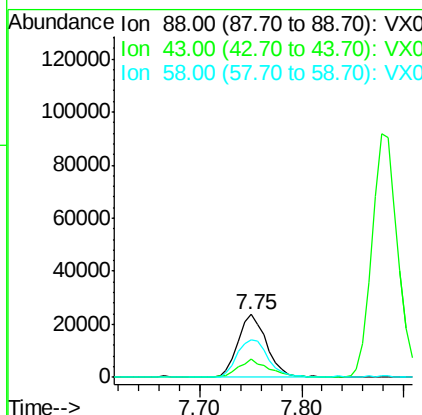
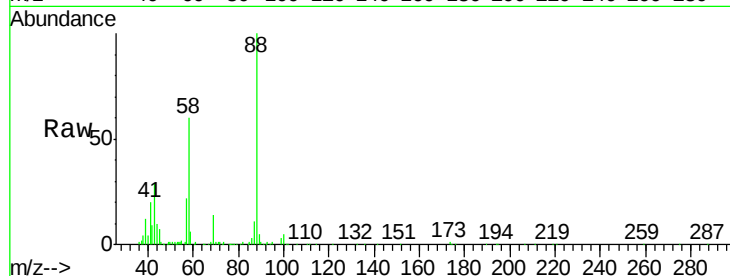
#49
1,4-Dioxane
Concen: 432.321 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007568.D
Acq: 15 Feb 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX0216WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.5	24.2	36.4
58	63.3	53.0	79.4

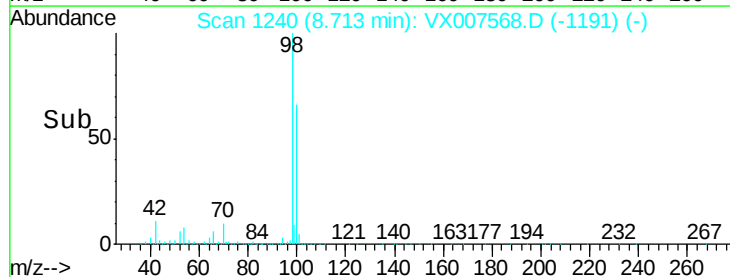
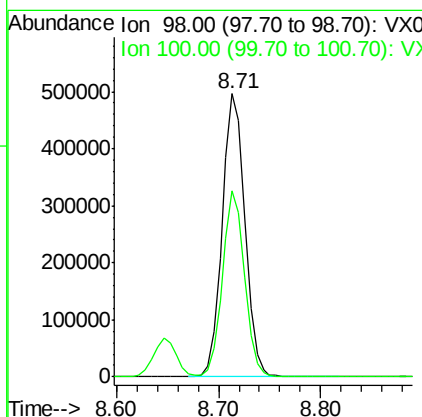
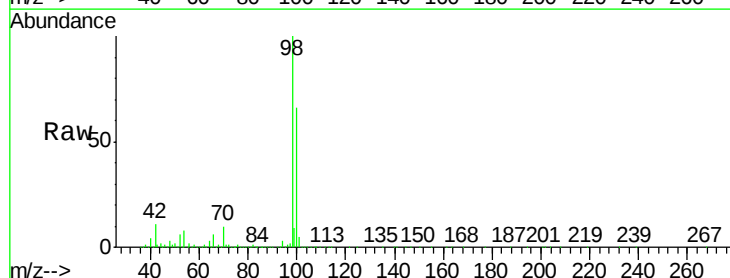
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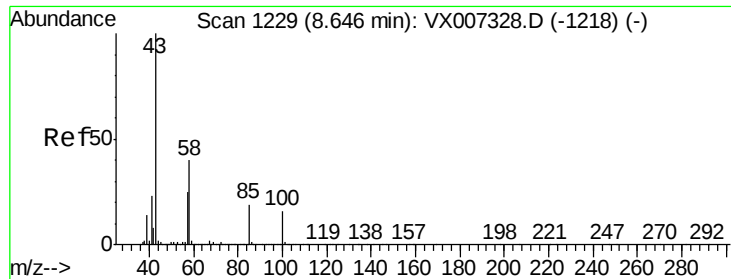
MMDadoda
2/18/2019 10:40:43 AM



#50
Toluene-d8
Concen: 46.854 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007568.D
Acq: 15 Feb 2019 15:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 103.297 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007568.D

Acq: 15 Feb 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

VX0216WBSD02

Tot Ion: 43 Resp: 646603

Ion Ratio Lower Upper

43 100

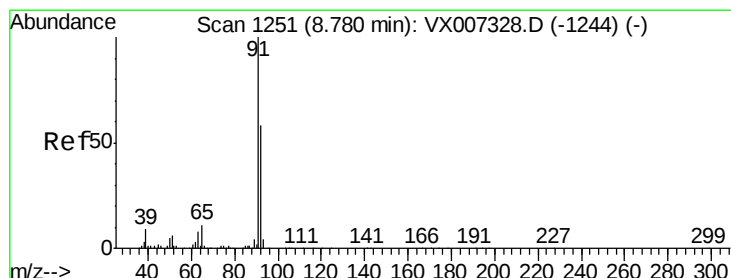
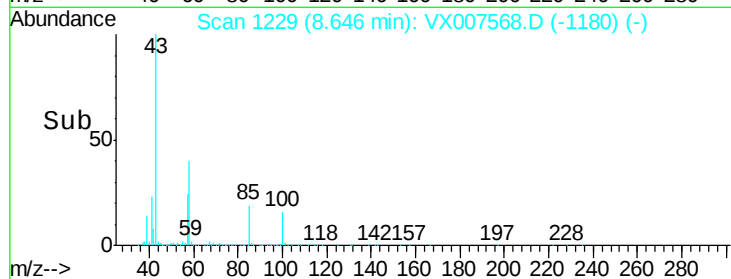
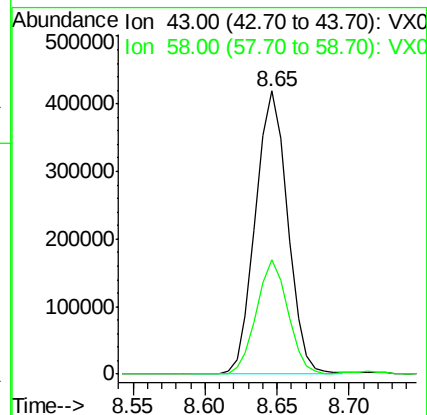
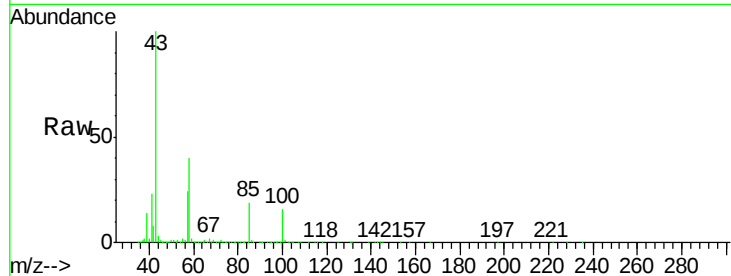
58 39.6 31.2 46.8

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#52

Toluene

Concen: 18.395 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX007568.D

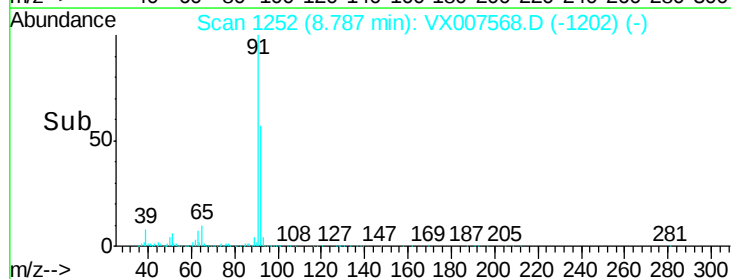
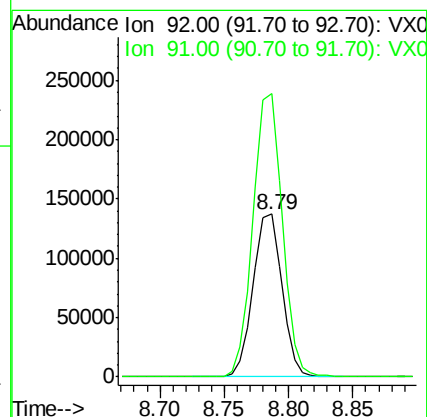
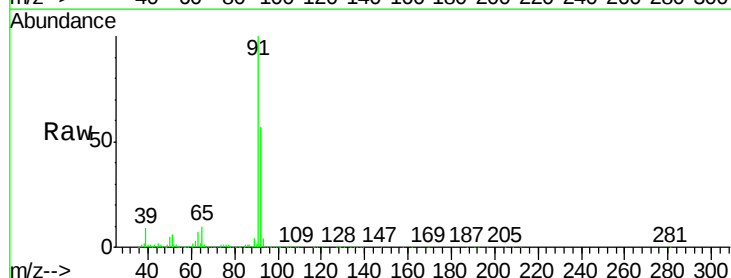
Acq: 15 Feb 2019 15:18

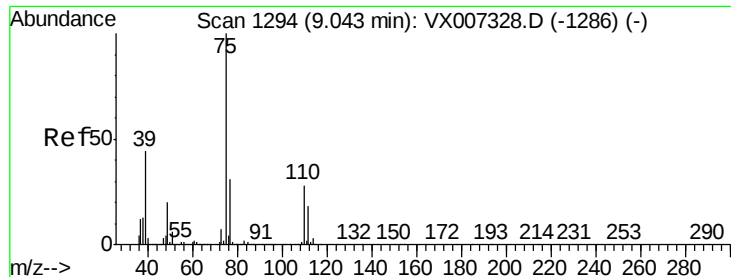
Tgt Ion: 92 Resp: 213049

Ion Ratio Lower Upper

92 100

91 176.3 139.1 208.7





#53

t-1,3-Dichloropropene

Concen: 19.267 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007568.D

Acq: 15 Feb 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

VX0216WBSD02

Tot Ion: 75 Resp: 114658

Ion Ratio Lower Upper

75 100

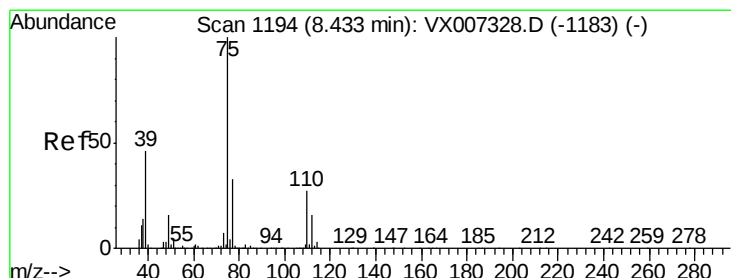
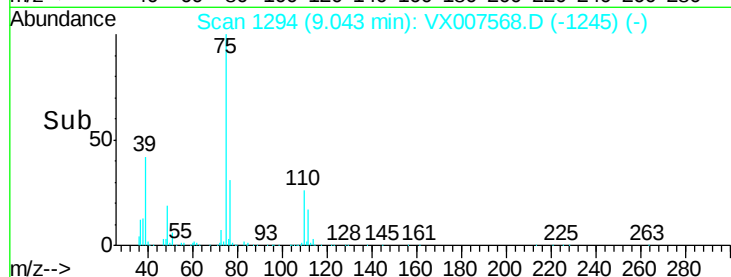
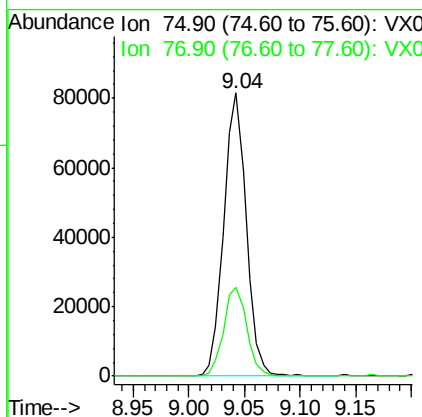
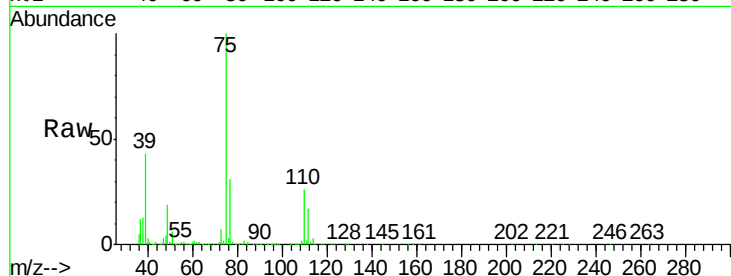
77 31.1 25.2 37.8

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#54

cis-1,3-Dichloropropene

Concen: 19.697 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX007568.D

Acq: 15 Feb 2019 15:18

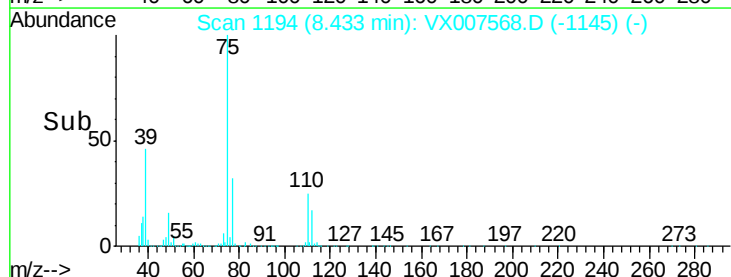
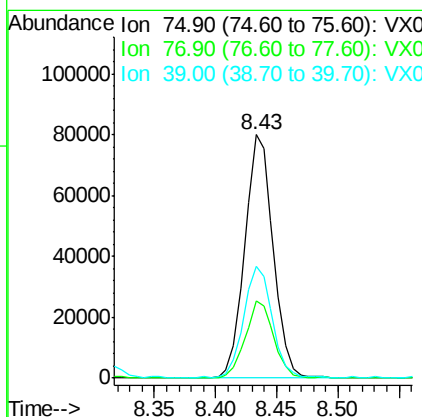
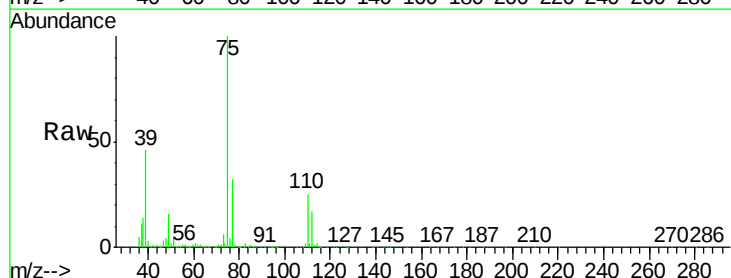
Tgt Ion: 75 Resp: 128905

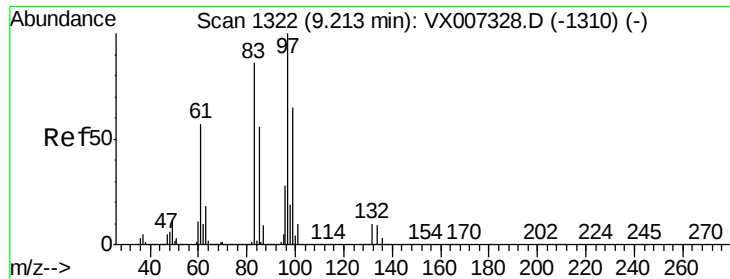
Ion Ratio Lower Upper

75 100

77 31.7 26.2 39.4

39 45.7 37.1 55.7





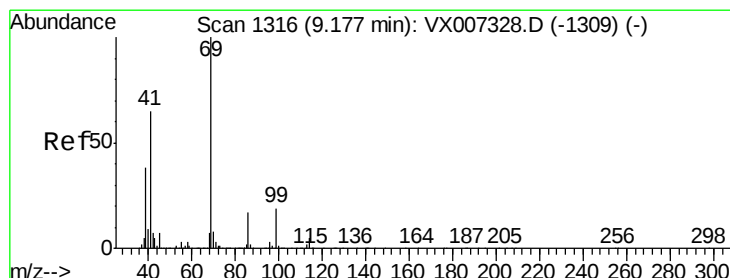
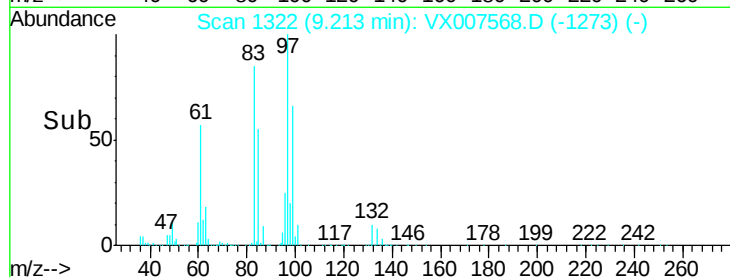
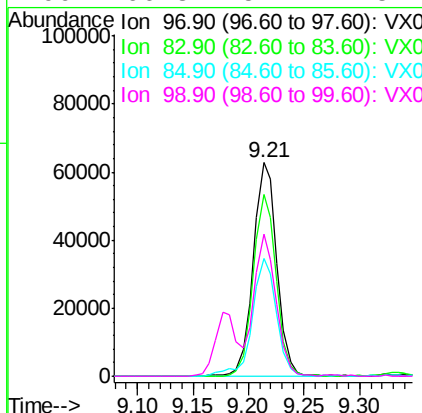
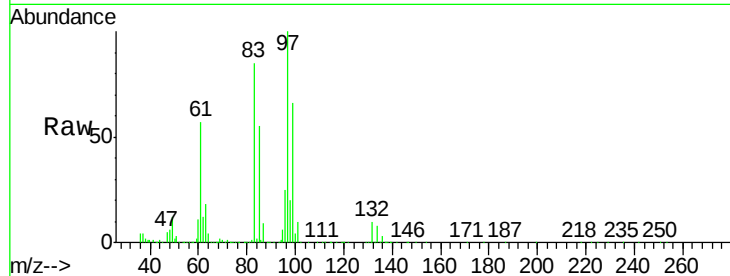
#55
1,1,2-Trichloroethane
Concen: 19.154 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX007568.D
Acq: 15 Feb 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX0216WBSD02

Tot Ion	97	Resp	92473
Ion	Ratio	Lower	Upper
97	100		
83	85.3	68.6	102.8
85	55.3	44.5	66.7
99	66.3	52.2	78.4

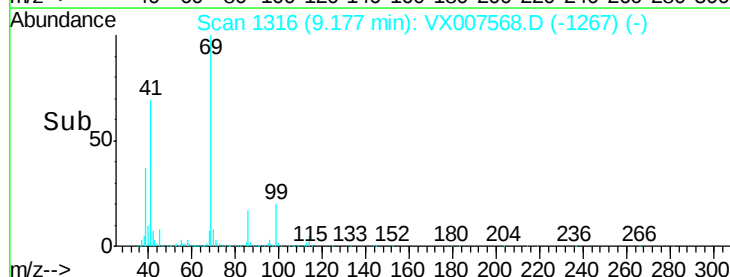
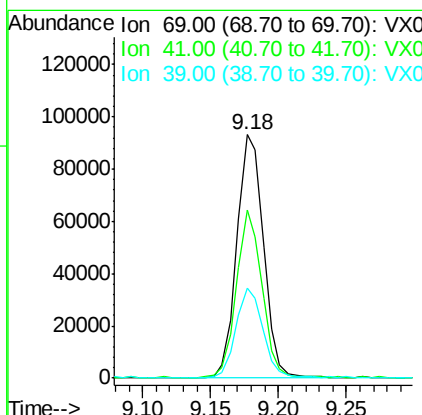
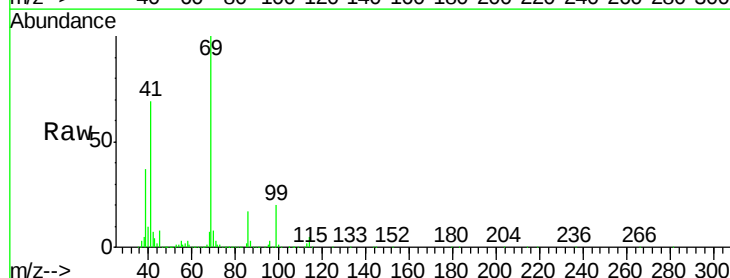
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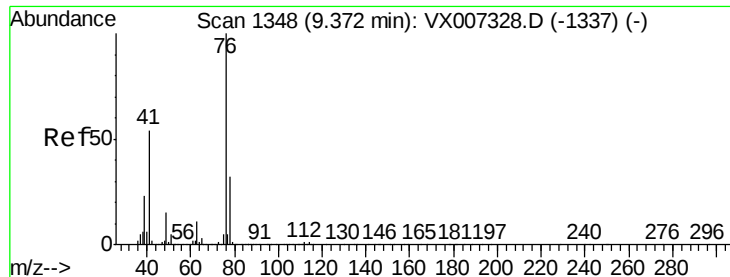
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#56
Ethyl methacrylate
Concen: 18.999 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX007568.D
Acq: 15 Feb 2019 15:18

Tgt Ion	69	Resp	127044
Ion	Ratio	Lower	Upper
69	100		
41	66.2	52.1	78.1
39	38.6	30.1	45.1





#57

1,3-Dichloropropane

Concen: 19.277 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007568.D

Acq: 15 Feb 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

VX0216WBSD02

Tot Ion: 76 Resp: 148004

Ion Ratio Lower Upper

76 100

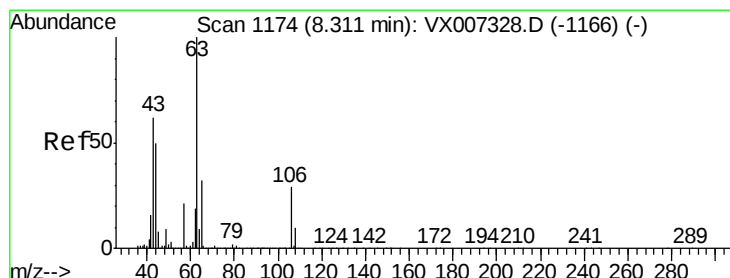
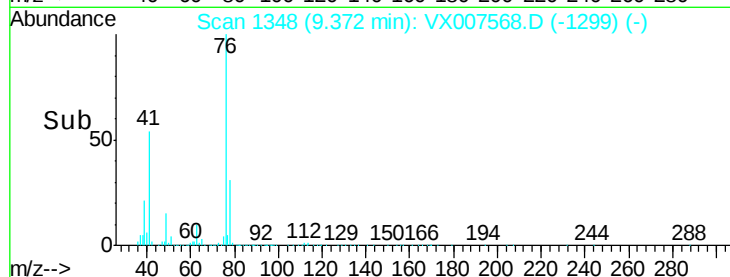
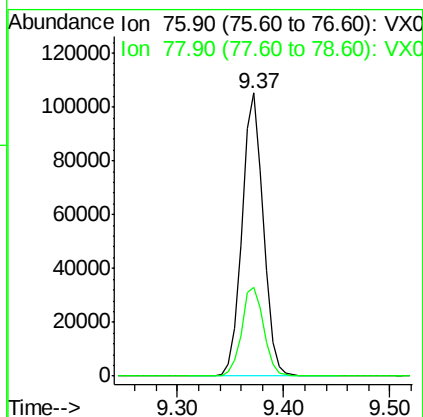
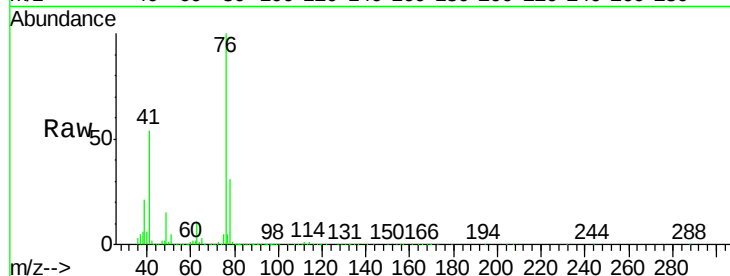
78 32.9 25.8 38.8

Manual Integrations

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MMDadoda

2/18/2019 10:40:43 AM



#58

2-Chloroethyl Vinyl ether

Concen: 99.560 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007568.D

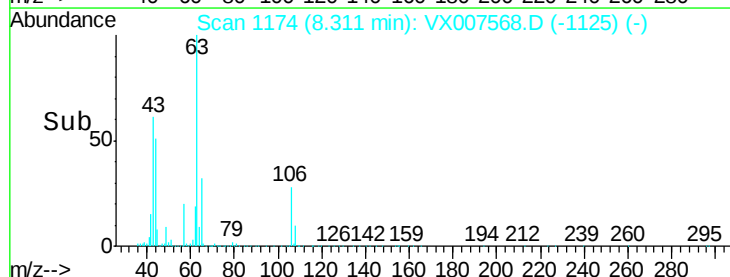
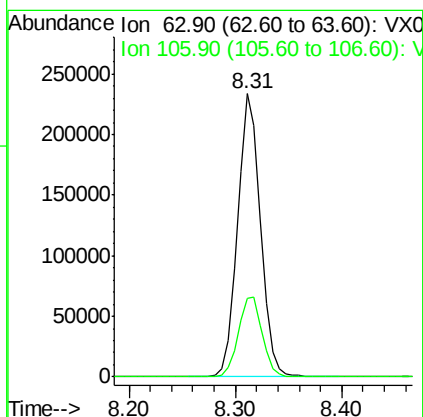
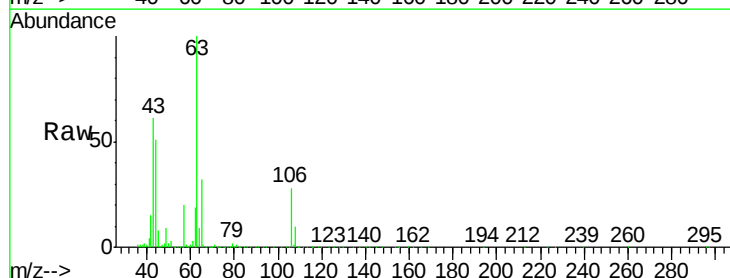
Acq: 15 Feb 2019 15:18

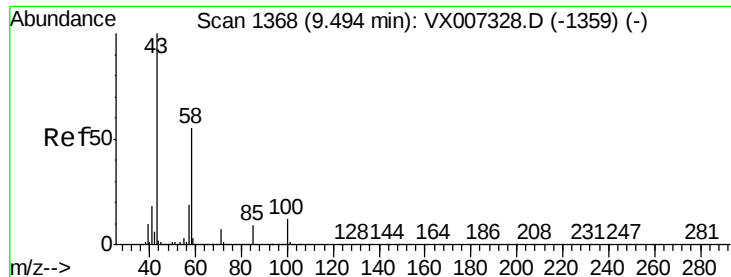
Tgt Ion: 63 Resp: 350896

Ion Ratio Lower Upper

63 100

106 29.9 23.6 35.4





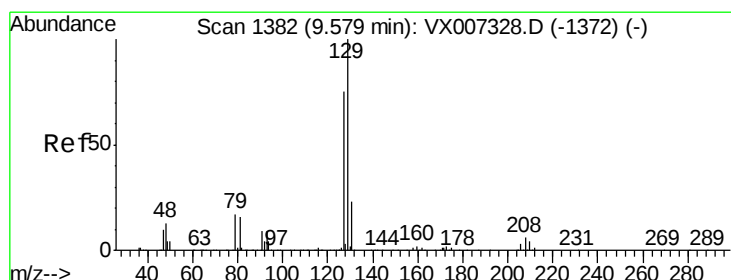
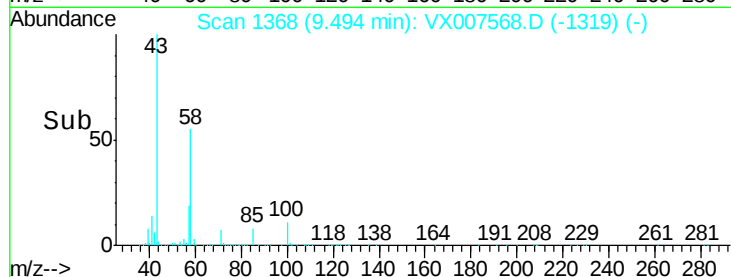
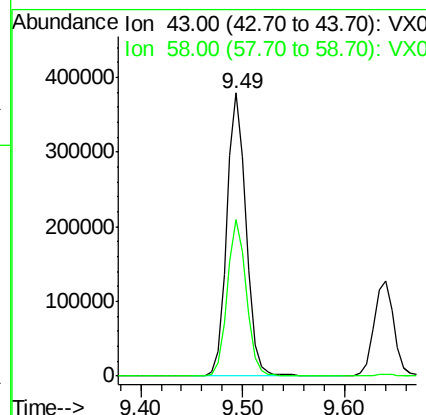
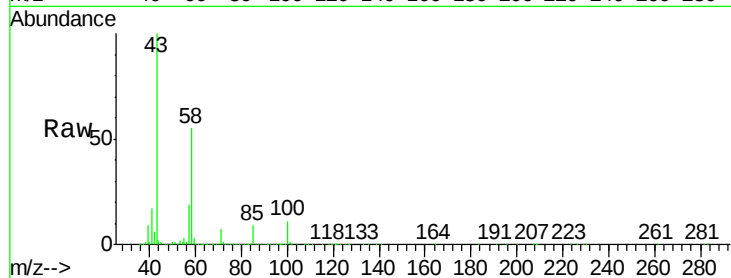
#59
2-Hexanone
Concen: 102.047 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007568.D
Acq: 15 Feb 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX0216WBSD02

Tot Ion: 43 Resp: 497078
Ion Ratio Lower Upper
43 100
58 54.8 27.1 81.3

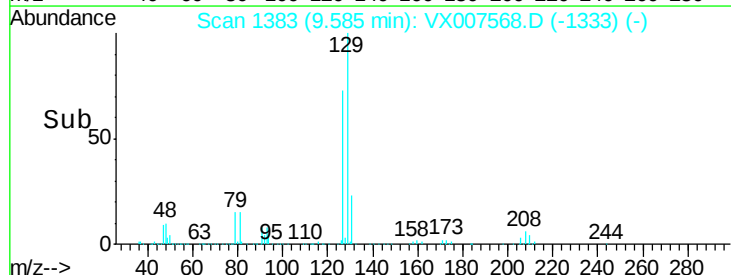
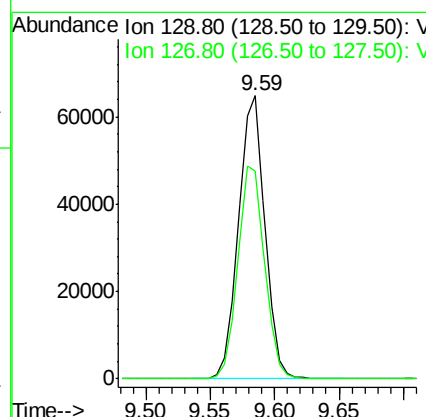
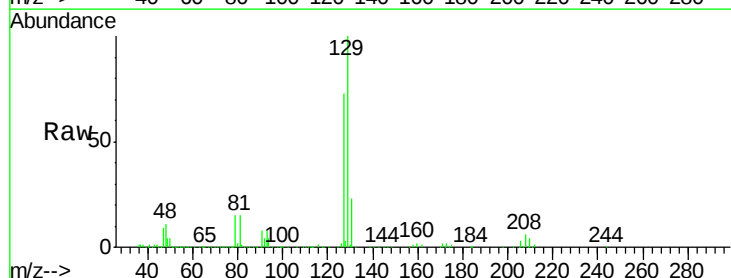
Manual Integrations
APPROVED

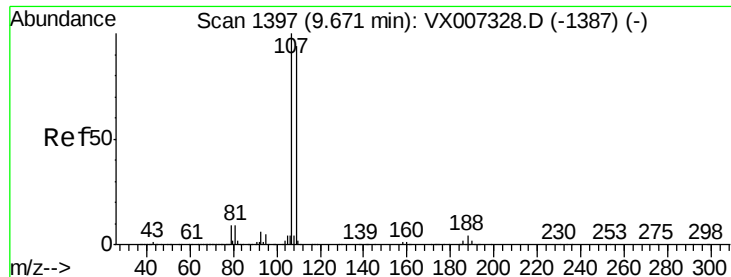
MMDadoda
2/18/2019 10:40:43 AM



#60
Dibromochloromethane
Concen: 20.264 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX007568.D
Acq: 15 Feb 2019 15:18

Tgt Ion: 129 Resp: 92528
Ion Ratio Lower Upper
129 100
127 76.5 37.8 113.4





#61

1,2-Dibromoethane

Concen: 19.198 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007568.D

Acq: 15 Feb 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

VX0216WBSD02

Tot Ion: 107 Resp: 98158

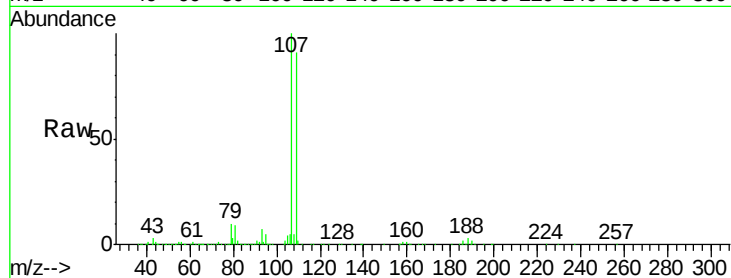
Ion Ratio Lower Upper

107 100

109 94.2 75.1 112.7

Manual Integrations
APPROVED

MMDadoda
2/18/2019 10:40:43 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

60000

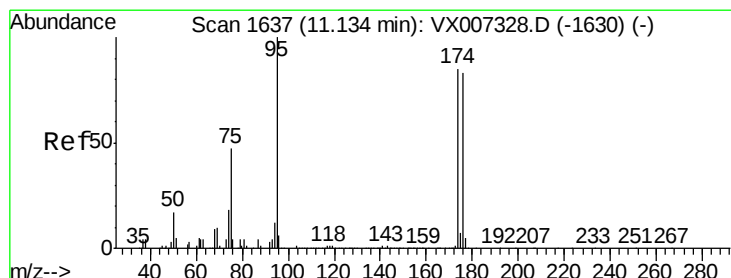
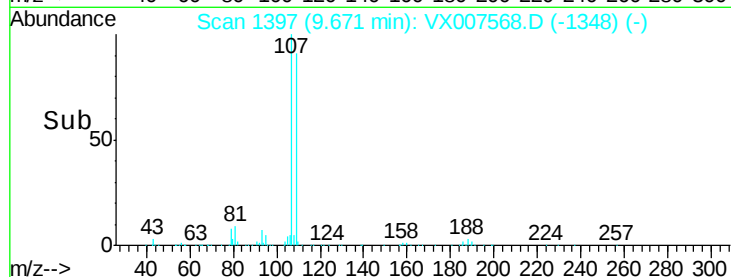
40000

20000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 44.626 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007568.D

Acq: 15 Feb 2019 15:18

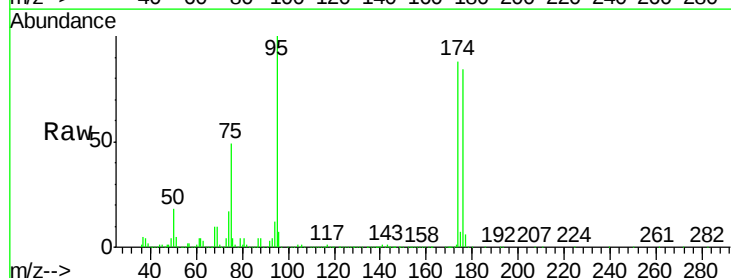
Tgt Ion: 95 Resp: 267154

Ion Ratio Lower Upper

95 100

174 93.4 0.0 189.2

176 90.8 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

300000

250000

200000

150000

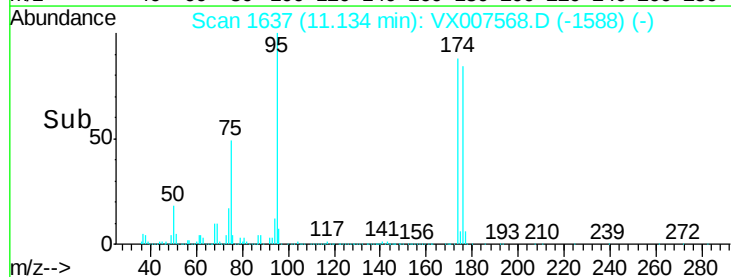
100000

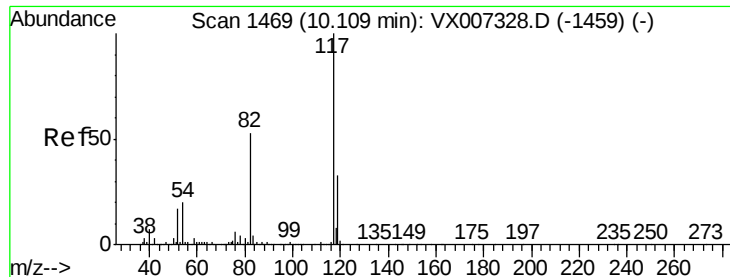
50000

0

Time-->

11.05 11.10 11.15 11.20





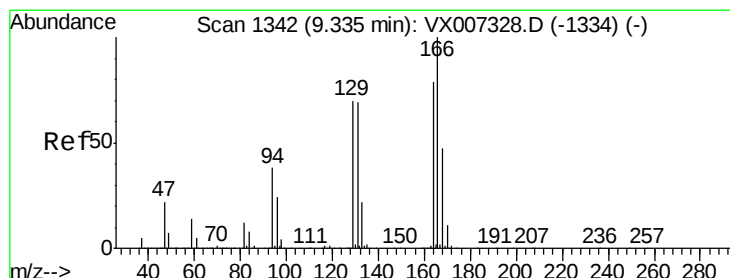
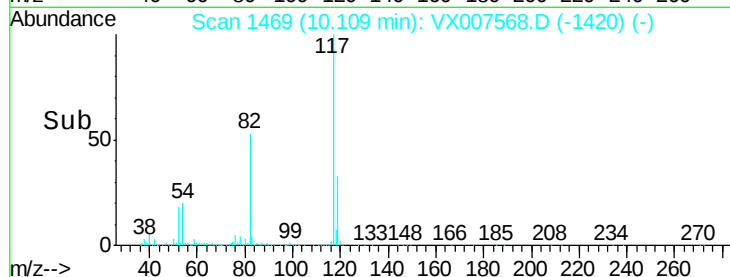
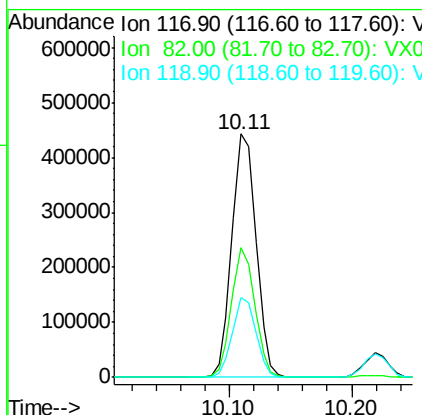
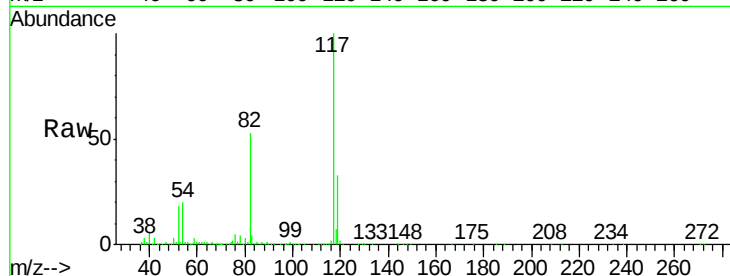
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007568.D
Acq: 15 Feb 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX0216WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	42.1	63.1
119	32.6	26.5	39.7

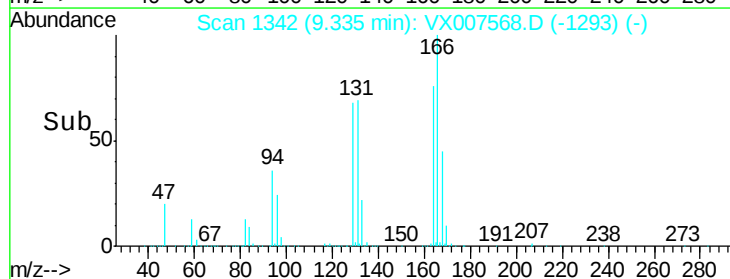
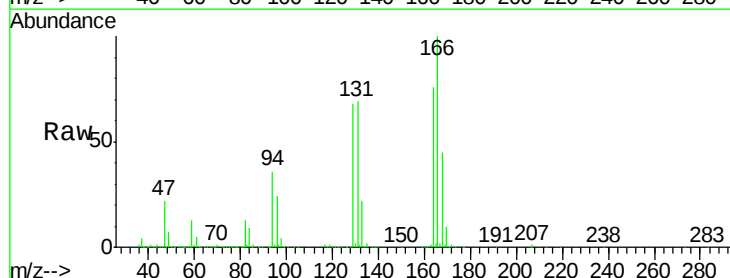
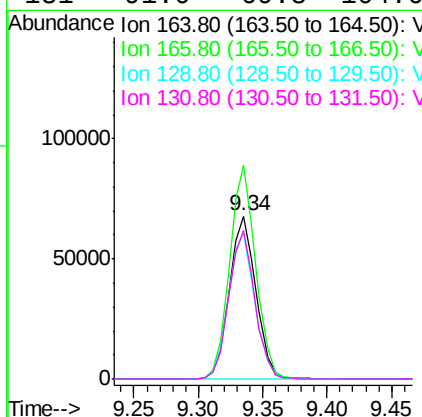
Manual Integrations
APPROVED

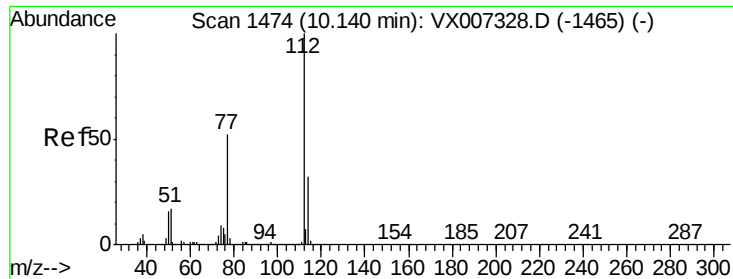
MMDadoda
2/18/2019 10:40:43 AM



#64
Tetrachloroethene
Concen: 17.120 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007568.D
Acq: 15 Feb 2019 15:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.9	101.0	151.4
129	89.5	70.5	105.7
131	91.0	69.8	104.6





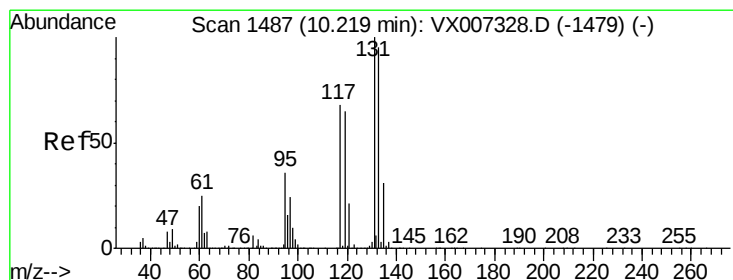
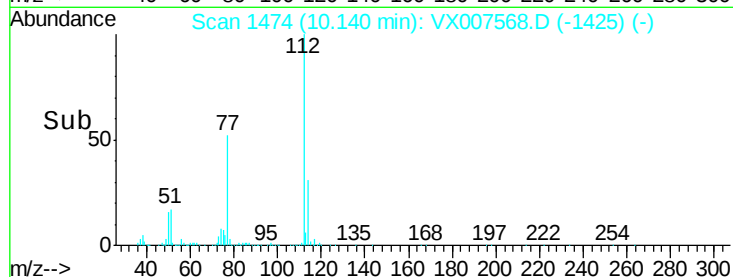
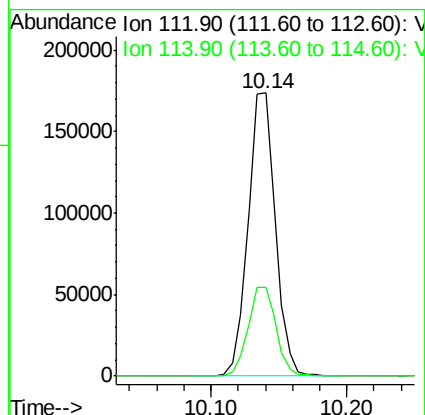
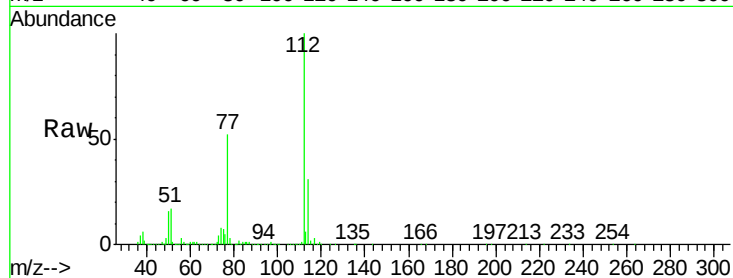
#65
Chlorobenzene
Concen: 18.458 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX007568.D
Acq: 15 Feb 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX0216WBSD02

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.8	38.6

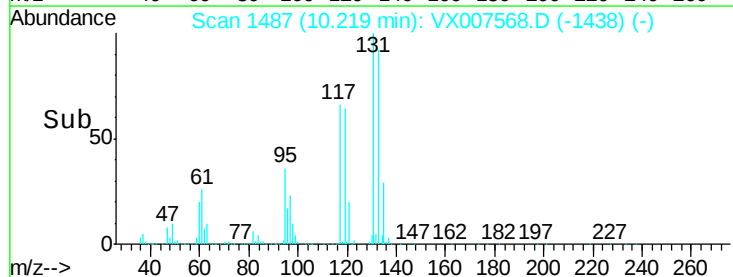
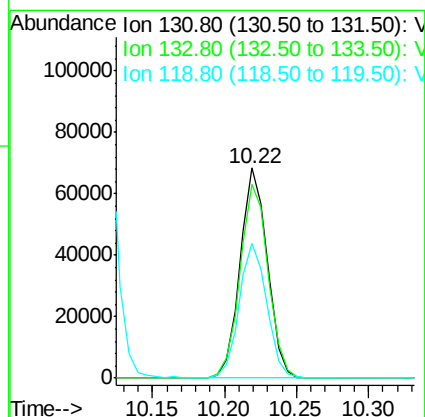
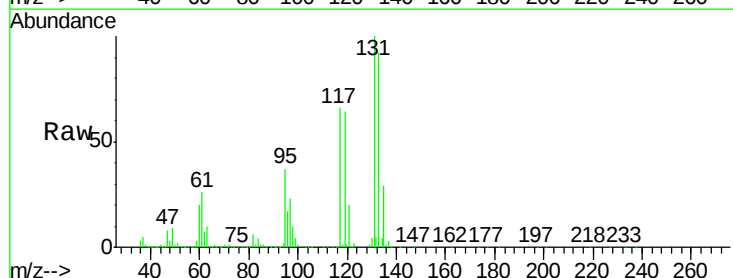
Manual Integrations
APPROVED

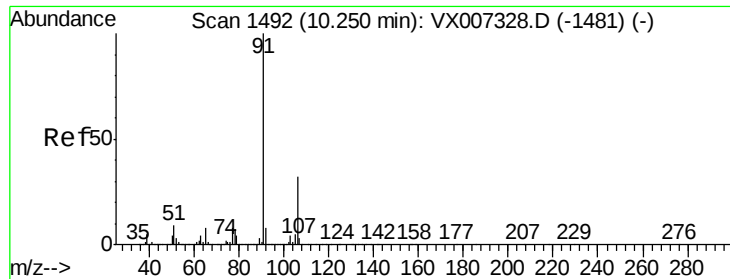
MMDadoda
2/18/2019 10:40:43 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.253 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX007568.D
Acq: 15 Feb 2019 15:18

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	48.0	144.2
119	65.0	32.0	96.0





#67

Ethyl Benzene

Concen: 18.676 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007568.D

Acq: 15 Feb 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

VX0216WBSD02

Tot Ion: 91 Resp: 398451

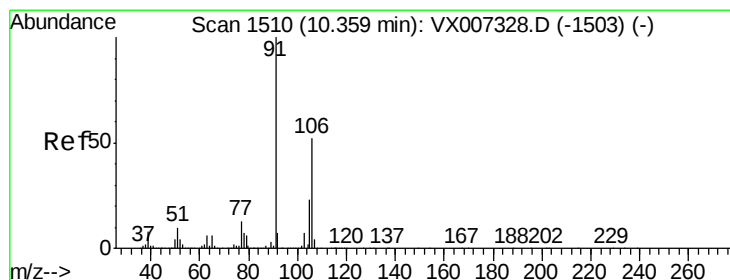
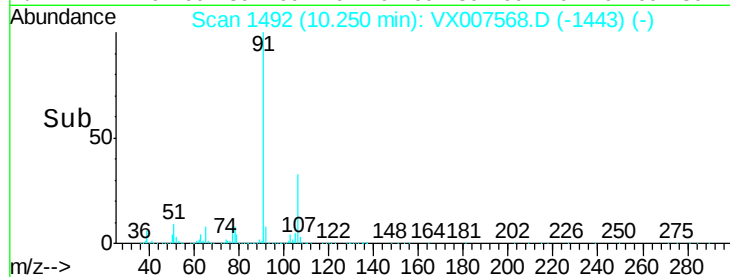
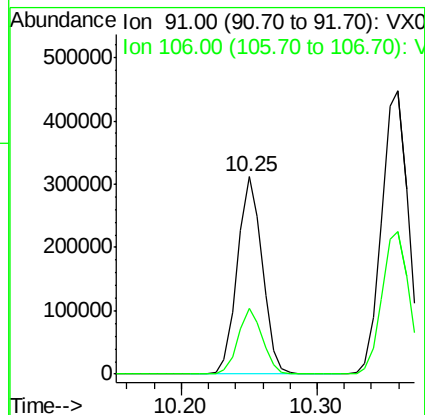
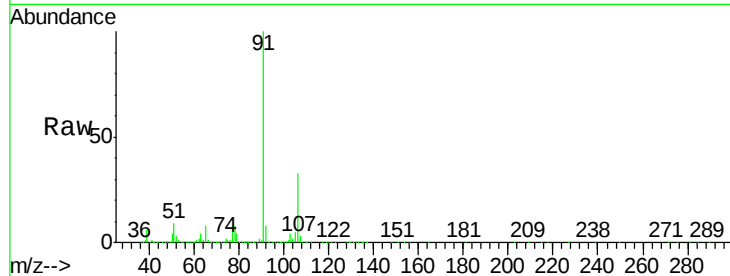
Ion Ratio Lower Upper

91 100

106 33.4 25.4 38.0

Manual Integrations
APPROVED

MMDadoda
2/18/2019 10:40:43 AM



#68

m/p-Xylenes

Concen: 36.484 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007568.D

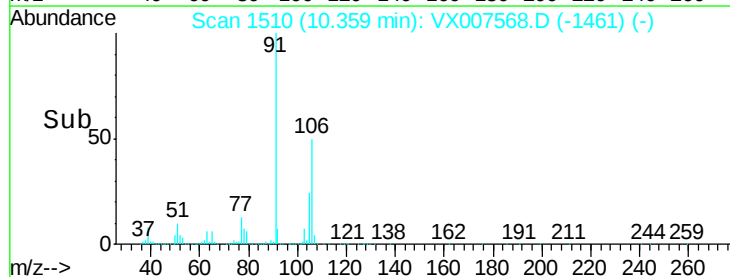
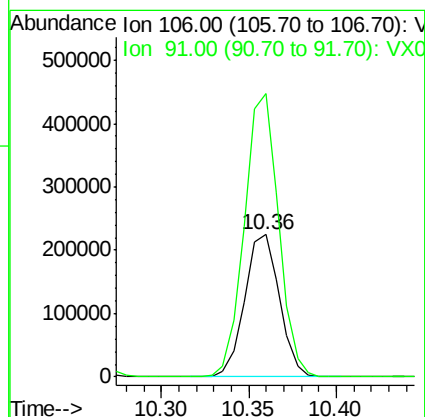
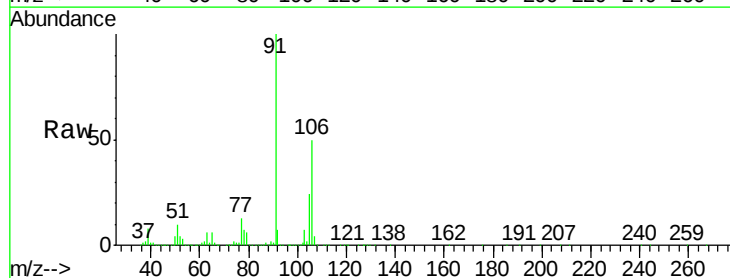
Acq: 15 Feb 2019 15:18

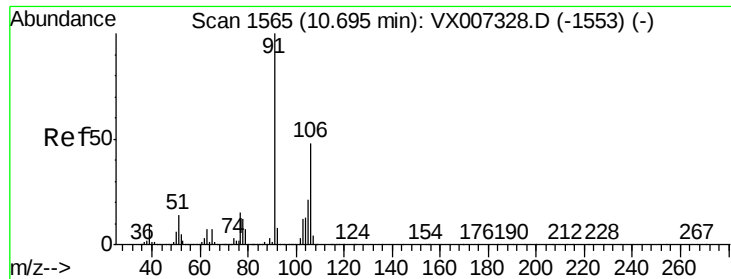
Tgt Ion: 106 Resp: 309414

Ion Ratio Lower Upper

106 100

91 195.9 156.6 234.8





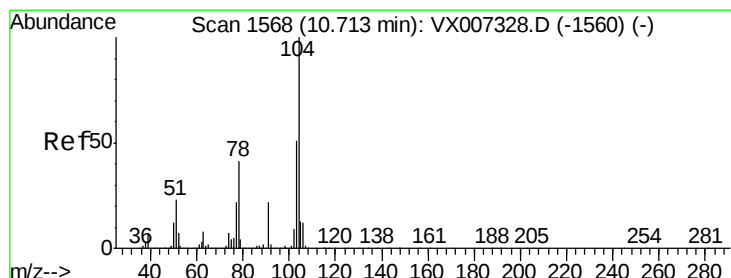
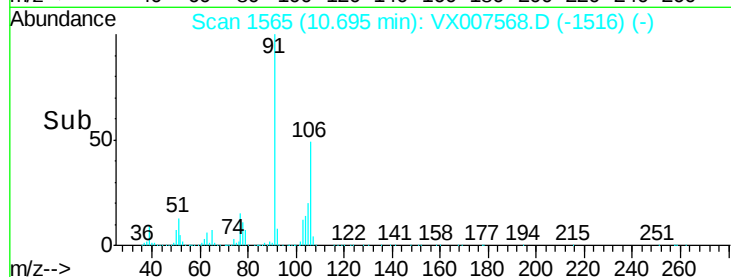
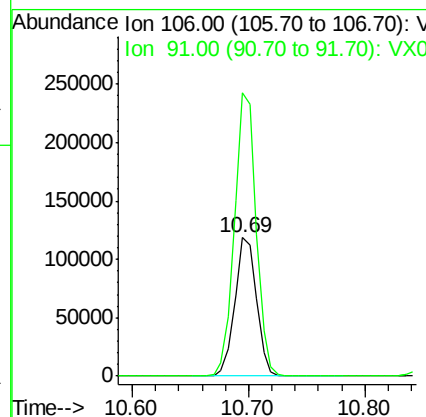
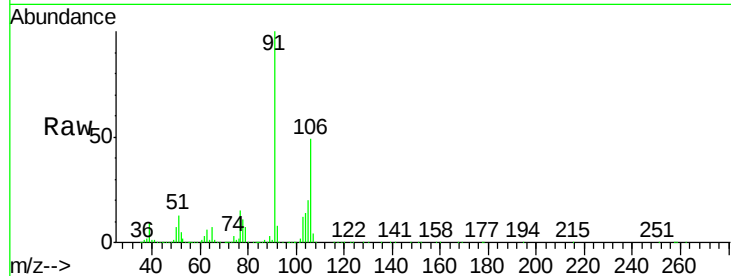
#69
o-Xylene
Concen: 18.934 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX007568.D
Acq: 15 Feb 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX0216WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	154515		
91	91	204.1	102.9	308.7	

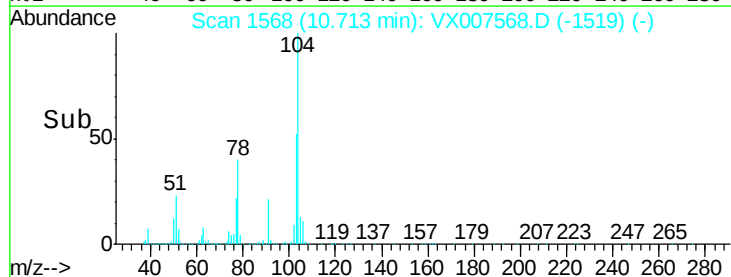
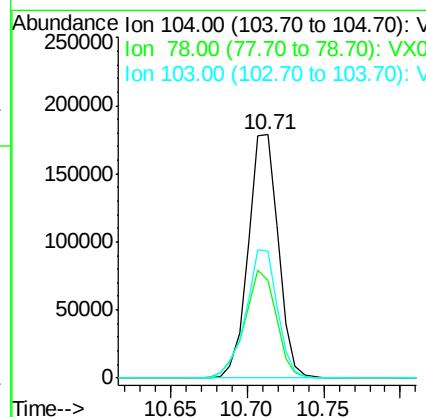
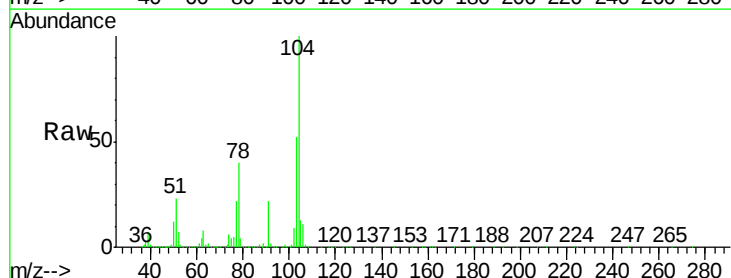
Manual Integrations
APPROVED

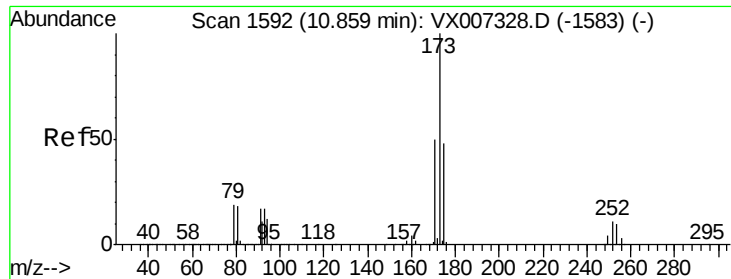
MMDadoda
2/18/2019 10:40:43 AM



#70
Styrene
Concen: 18.417 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007568.D
Acq: 15 Feb 2019 15:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	243743		
78	78	47.4	38.3	57.5	
103	103	55.9	44.6	67.0	





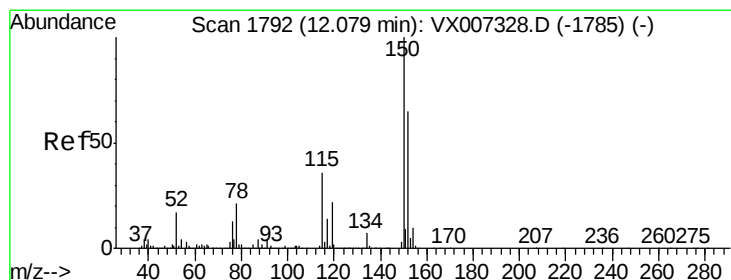
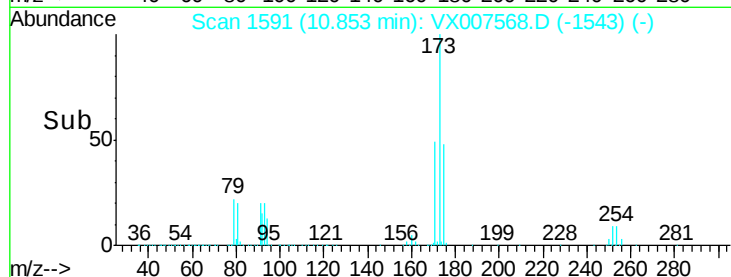
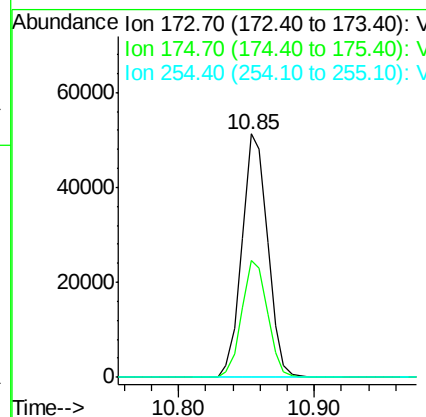
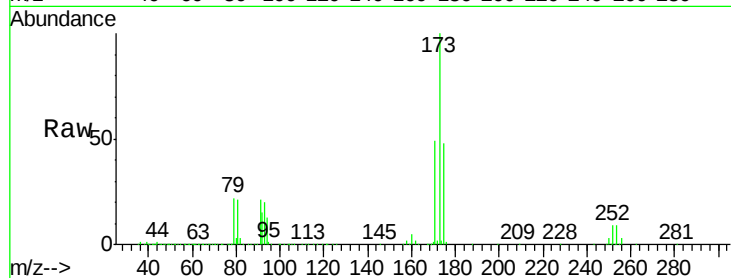
#71
Bromoform
Concen: 19.970 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VX007568.D
Acq: 15 Feb 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX0216WBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.2	72.6
254	0.3	0.2	0.2

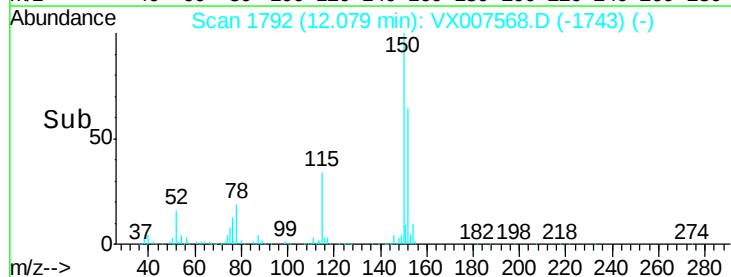
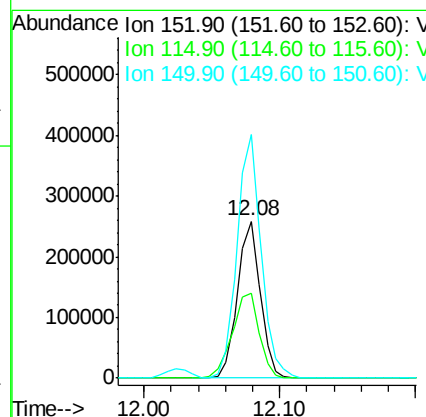
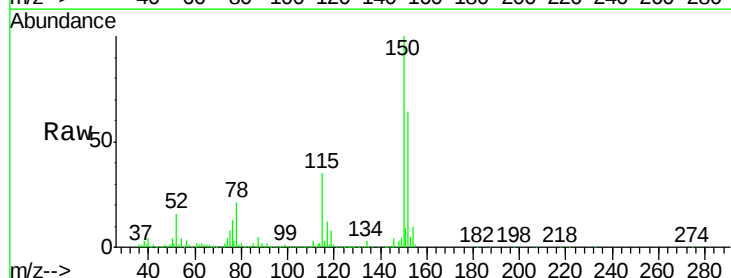
Manual Integrations
APPROVED

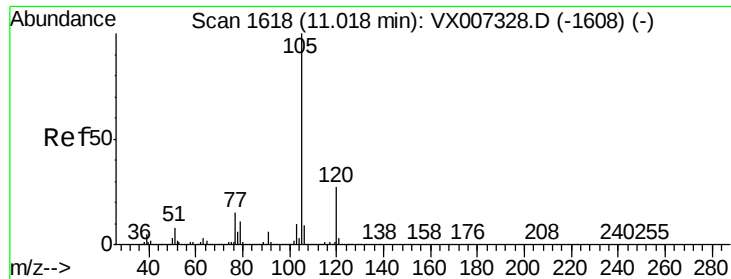
MMDadoda
2/18/2019 10:40:43 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007568.D
Acq: 15 Feb 2019 15:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.9	38.0	114.0
150	163.1	0.0	346.4





#73

Isopropylbenzene

Concen: 19.669 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007568.D

Acq: 15 Feb 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

VX0216WBSD02

Tot Ion:105 Resp: 403941

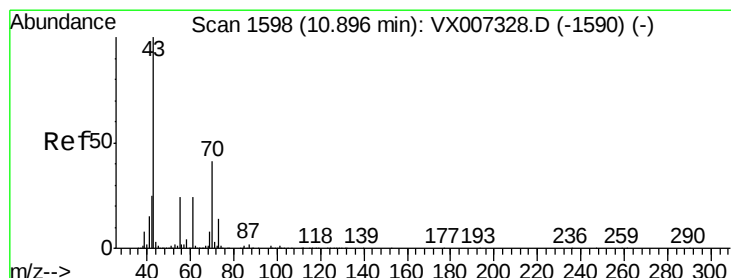
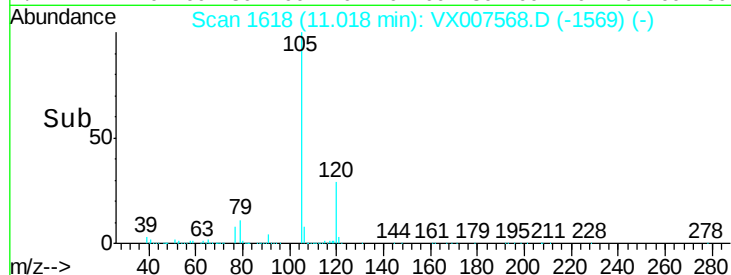
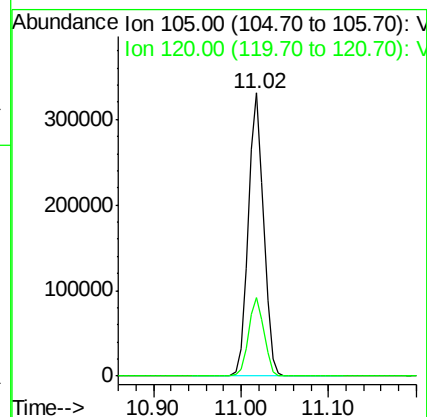
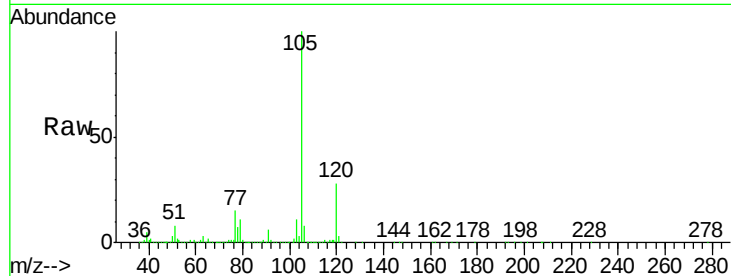
Ion Ratio Lower Upper

105 100

120 28.0 13.6 40.7

Manual Integrations
APPROVED

MMDadoda
2/18/2019 10:40:43 AM



#74

N-ethyl acetate

Concen: 20.231 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007568.D

Acq: 15 Feb 2019 15:18

Tgt Ion: 43 Resp: 160706

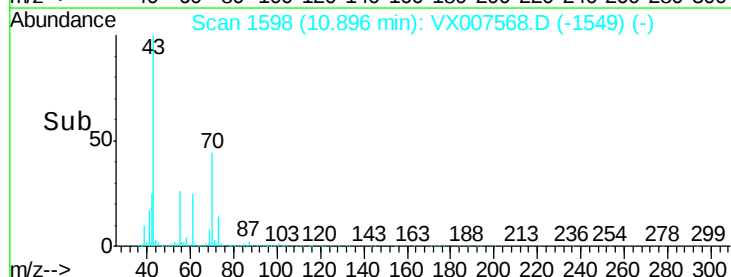
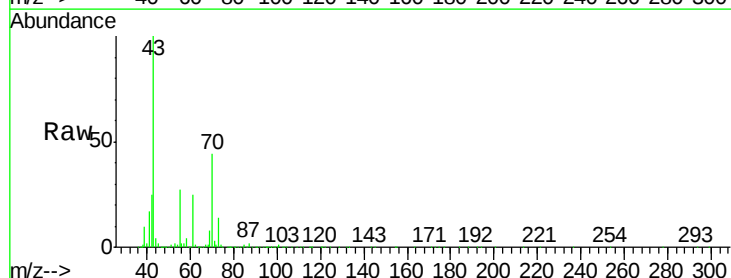
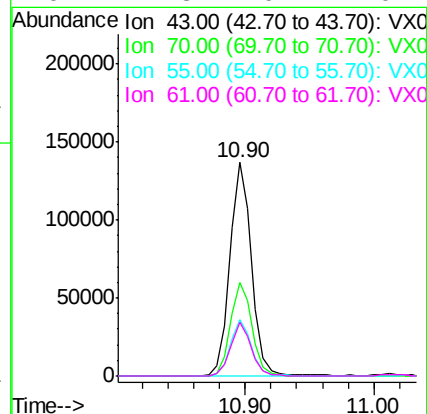
Ion Ratio Lower Upper

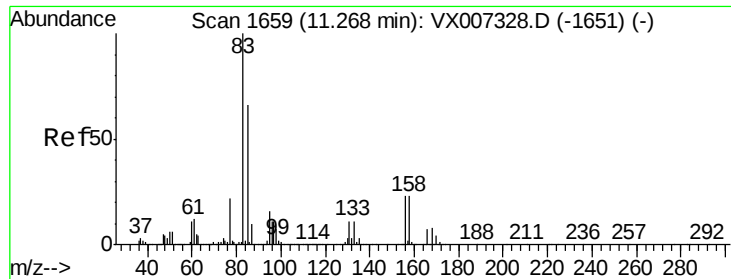
43 100

70 44.2 33.8 50.6

55 26.2 19.5 29.3

61 24.3 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.709 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007568.D

Acq: 15 Feb 2019 15:18

Instrument :

MSVOA_X

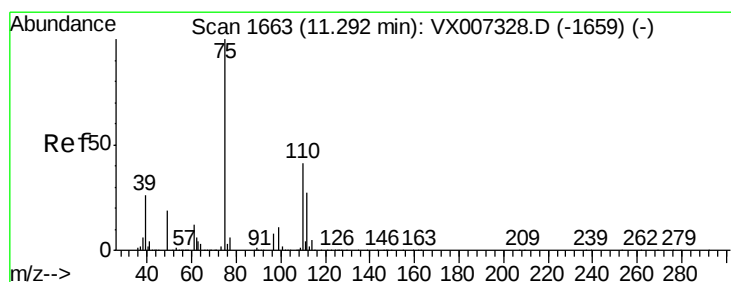
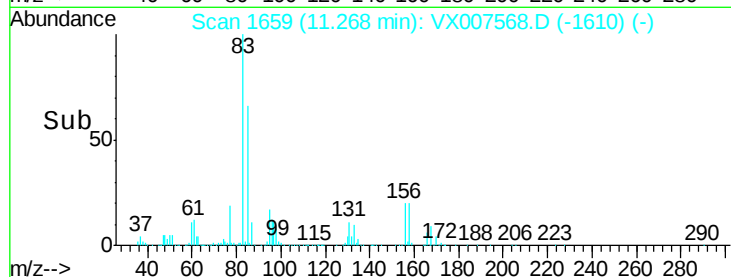
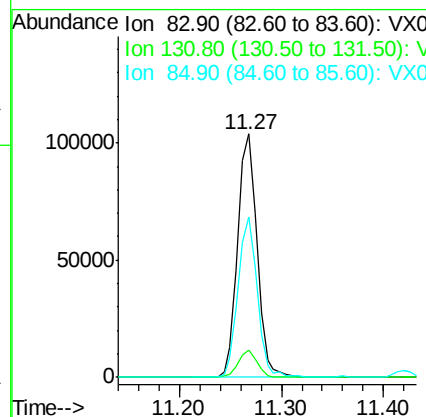
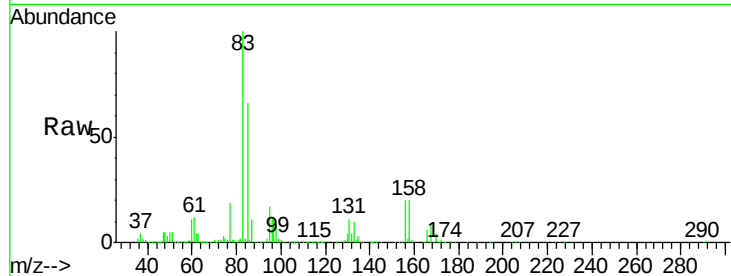
ClientSampleId :

VX0216WBSD02

Tot Ion:	83	Resp:	135877
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.7	17.0
85	65.2	32.8	98.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.293 ug/l m

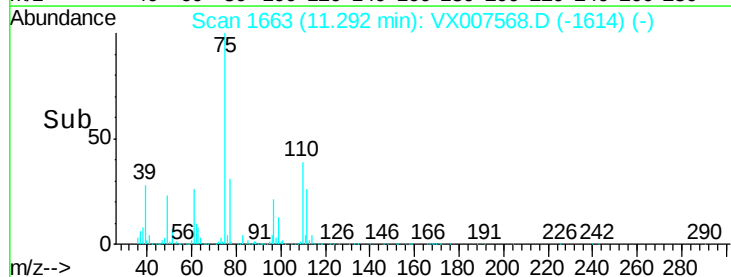
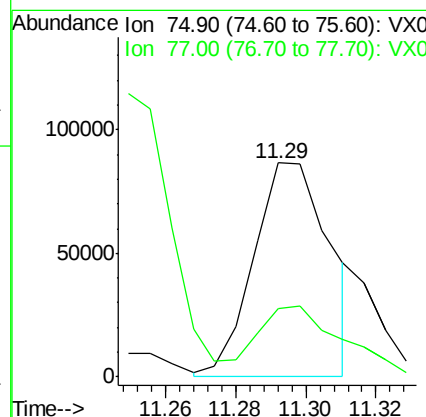
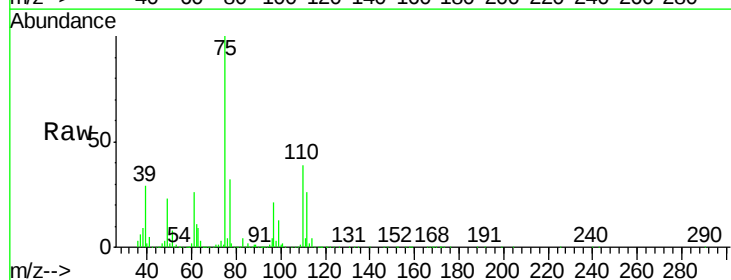
RT: 11.29 min Scan# 1663

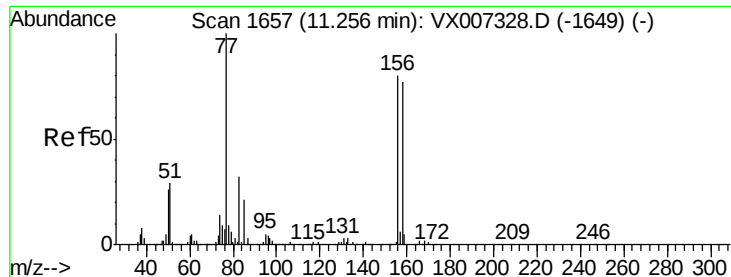
Delta R.T. 0.00 min

Lab File: VX007568.D

Acq: 15 Feb 2019 15:18

Tgt Ion:	75	Resp:	131049
Ion Ratio	Lower	Upper	
75	100		
77	38.0	23.0	69.0





#77

Bromobenzene

Concen: 19.245 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007568.D

Acq: 15 Feb 2019 15:18

Instrument :

MSVOA_X

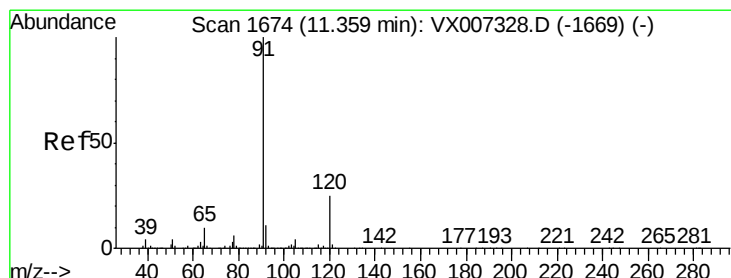
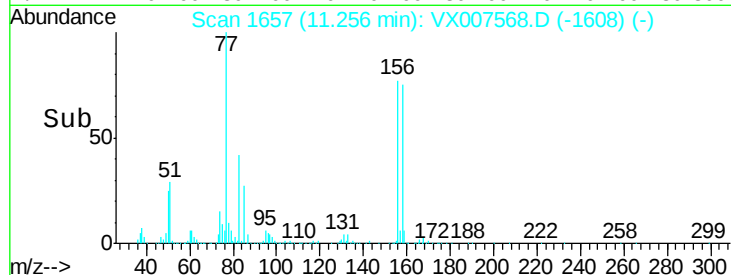
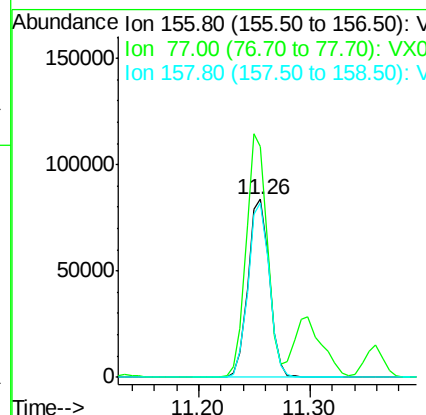
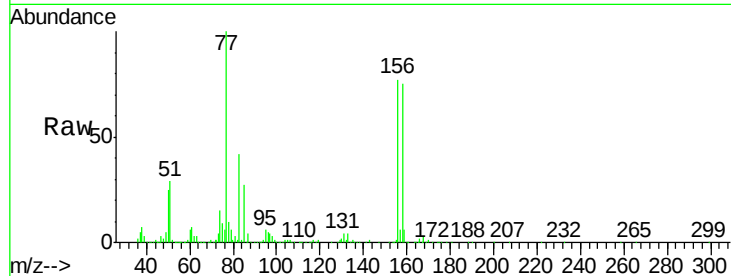
ClientSampleId :

VX0216WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	134.5		66.8	200.6	
158	97.2		47.9	143.8	

Manual Integrations
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#78

n-propylbenzene

Concen: 19.828 ug/l

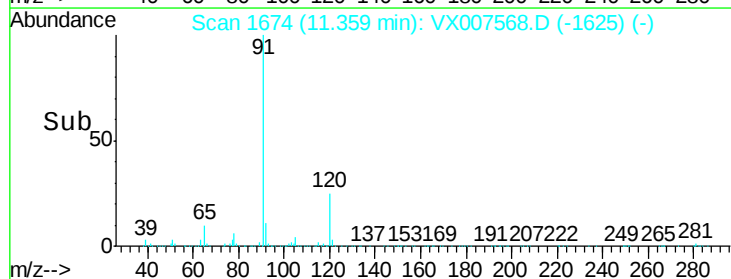
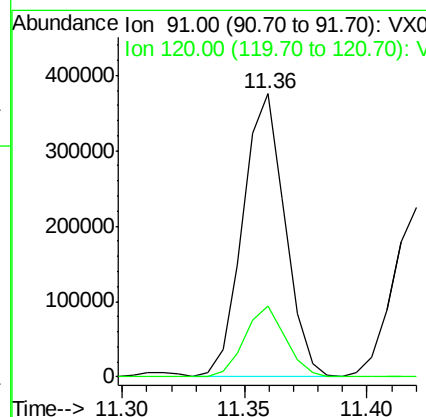
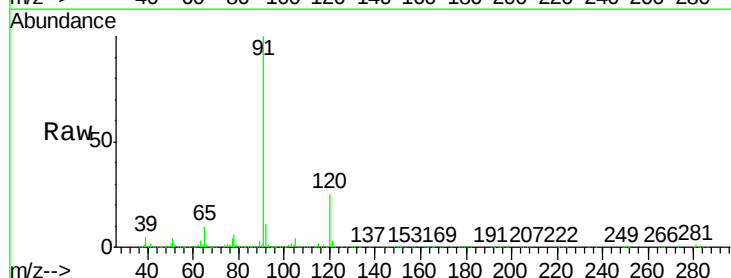
RT: 11.36 min Scan# 1674

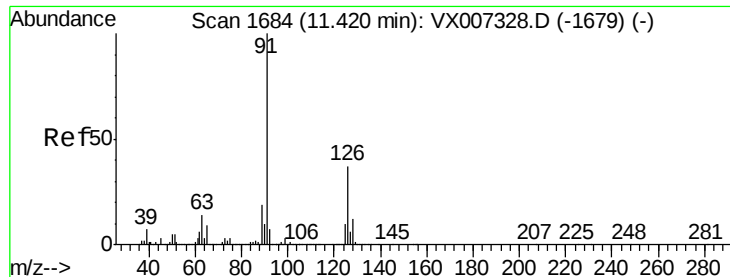
Delta R.T. 0.00 min

Lab File: VX007568.D

Acq: 15 Feb 2019 15:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	24.5		12.4	37.2	





#79

2-Chlorotoluene

Concen: 19.460 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007568.D

Acq: 15 Feb 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

VX0216WBSD02

Tot Ion: 91 Resp: 265918

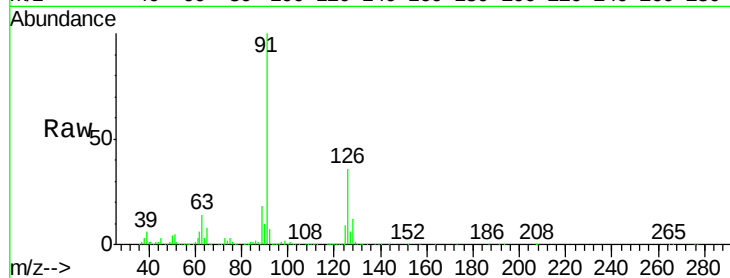
Ion Ratio Lower Upper

91 100

126 37.1 18.7 56.1

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Abundance Ion 91.00 (90.70 to 91.70): VX007328.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX007328.D (-1679) (-)

400000

300000

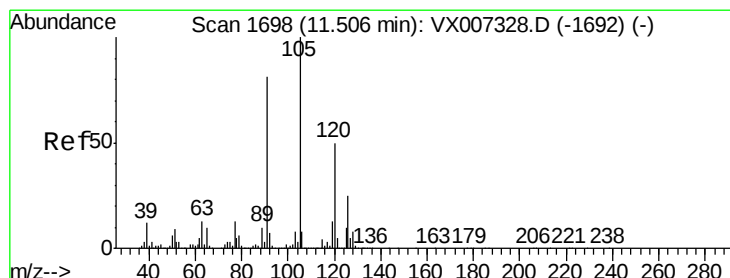
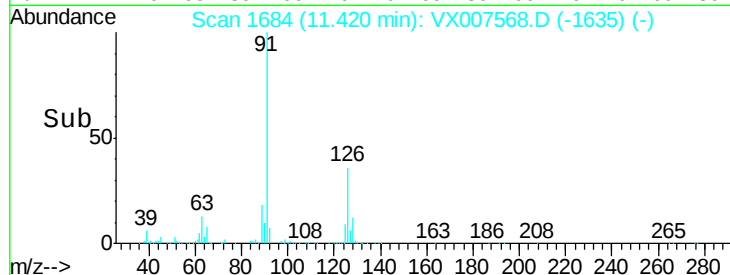
200000

100000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.613 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007568.D

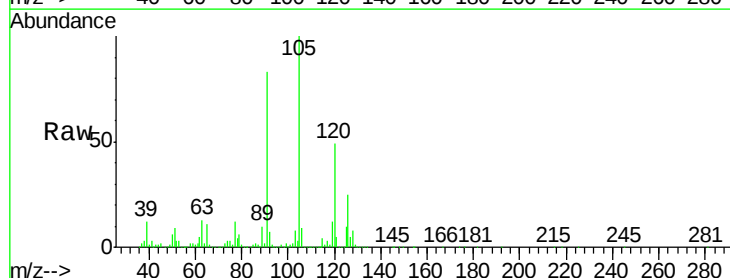
Acq: 15 Feb 2019 15:18

Tgt Ion: 105 Resp: 329532

Ion Ratio Lower Upper

105 100

120 49.7 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VX007328.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX007328.D (-1692) (-)

300000

250000

200000

150000

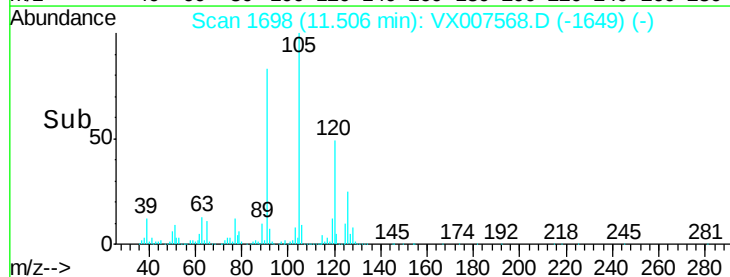
100000

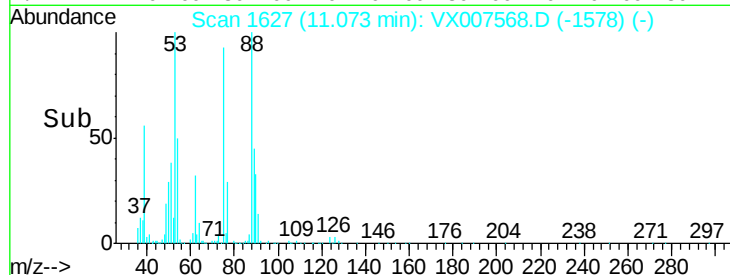
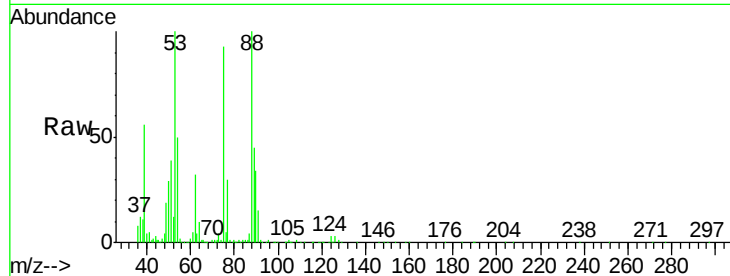
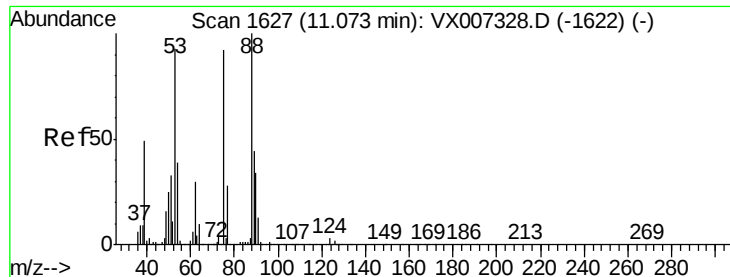
50000

0

11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.915 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007568.D

Acq: 15 Feb 2019 15:18

Tot Ion:	75	Resp:	34667
Ion	Ratio	Lower	Upper
75	100		
53	107.8	81.0	121.6
89	48.4	41.4	62.0

Instrument :

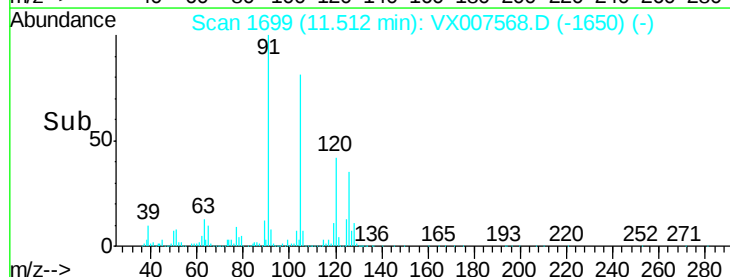
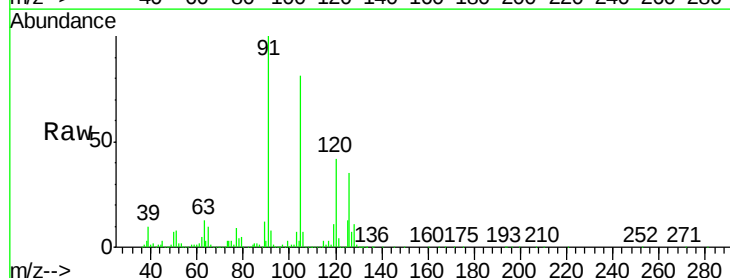
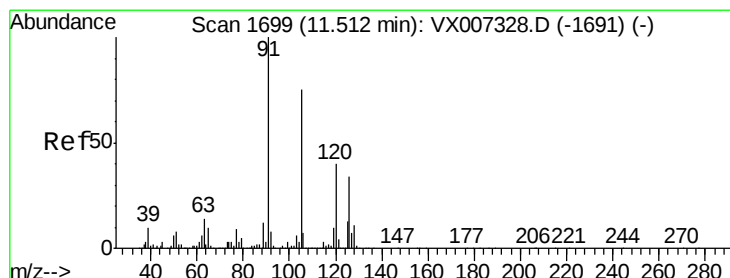
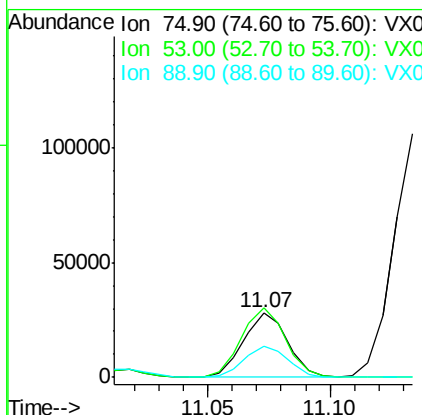
MSVOA_X

ClientSampleId :

VX0216WBSD02

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.084 ug/l

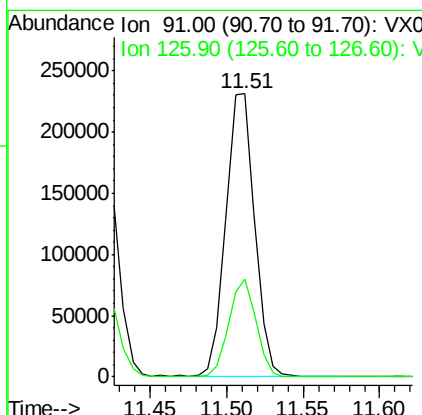
RT: 11.51 min Scan# 1699

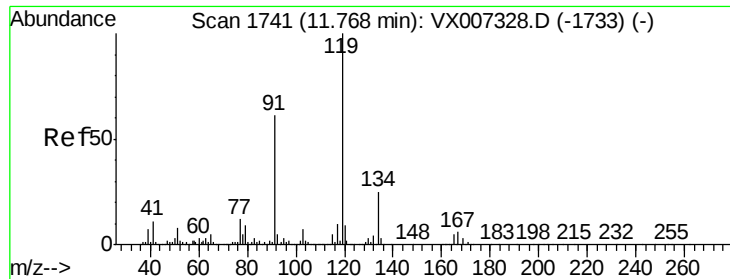
Delta R.T. 0.00 min

Lab File: VX007568.D

Acq: 15 Feb 2019 15:18

Tgt Ion:	91	Resp:	301751
Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.2	48.5





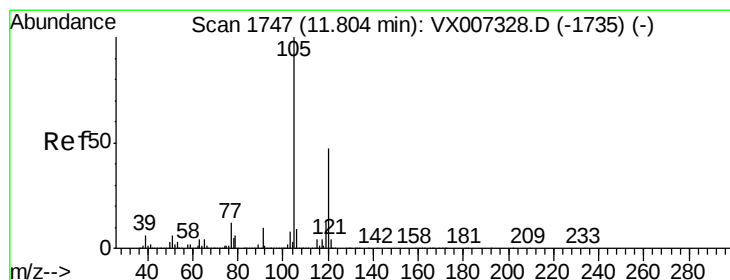
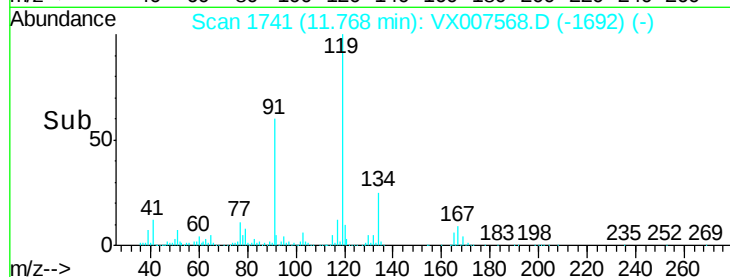
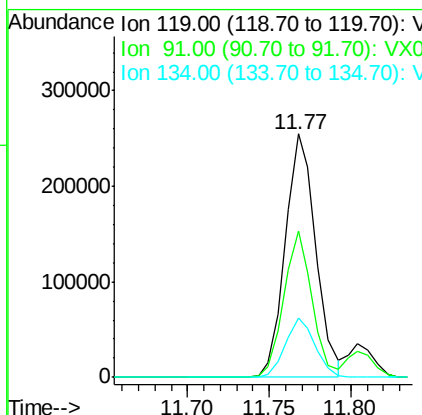
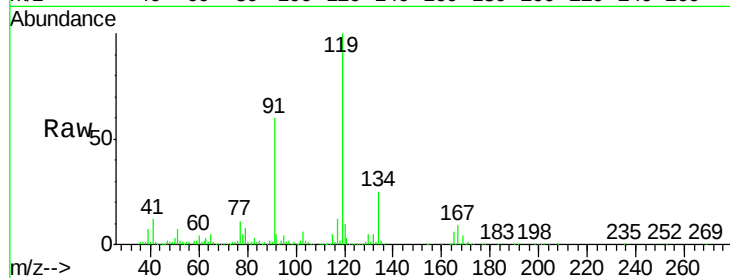
#83
tert-Butylbenzene
Concen: 19.962 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX007568.D
Acq: 15 Feb 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX0216WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	332061		
91	55.7	28.5	85.6	
134	24.0	12.0	36.0	

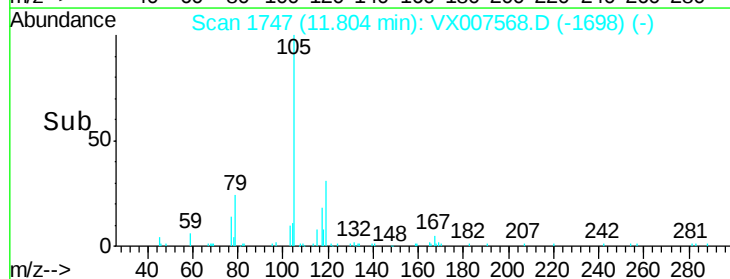
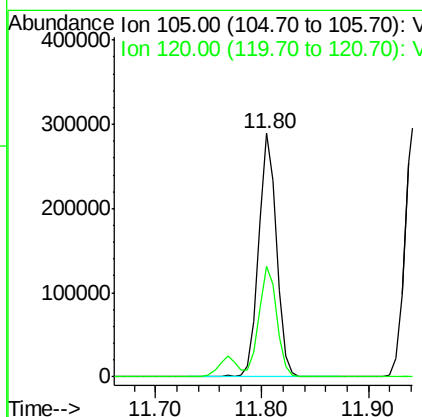
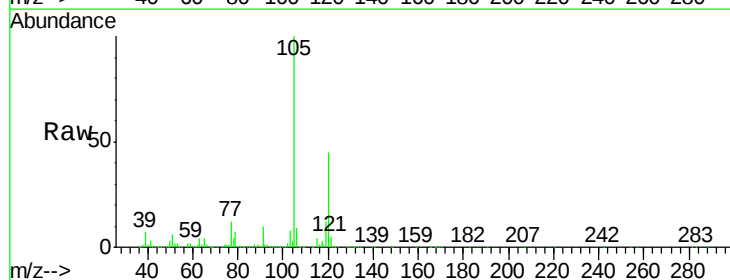
Manual Integrations
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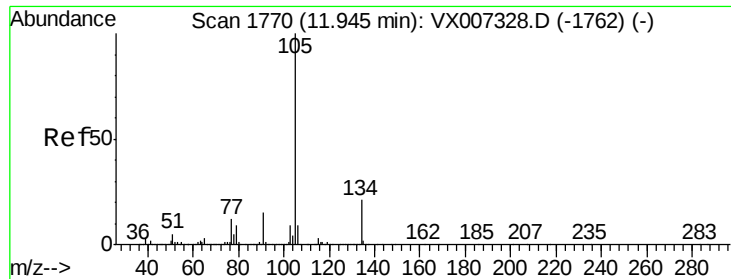
MMDadoda
2/18/2019 10:40:43 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.973 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX007568.D
Acq: 15 Feb 2019 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	340705		
120	44.9	23.1	69.3	





#85

sec-Butylbenzene

Concen: 19.927 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007568.D

Acq: 15 Feb 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

VX0216WBSD02

Tot Ion:105 Resp: 401198

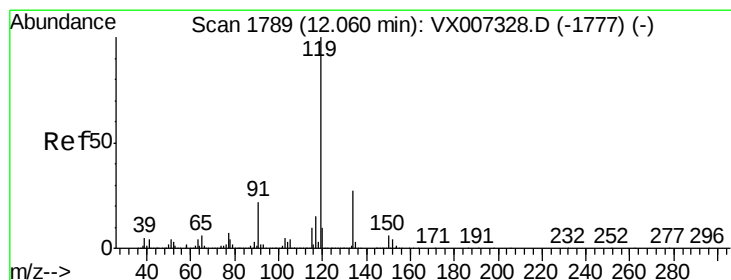
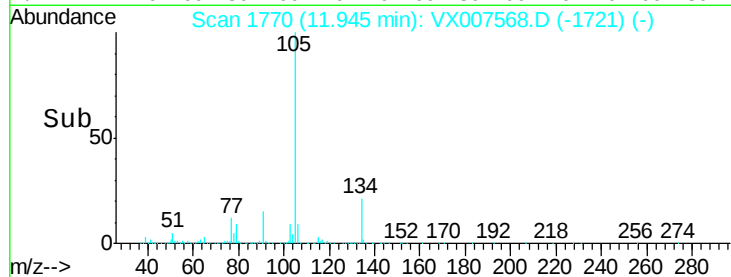
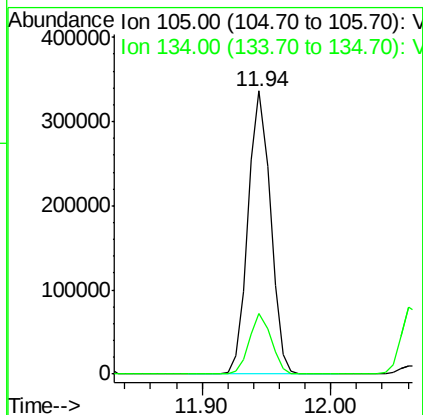
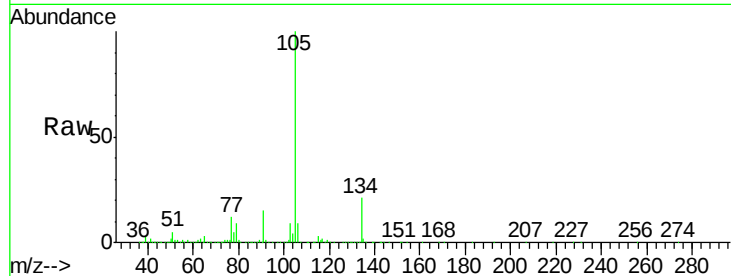
Ion Ratio Lower Upper

105 100

134 21.2 10.6 31.8

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 19.544 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007568.D

Acq: 15 Feb 2019 15:18

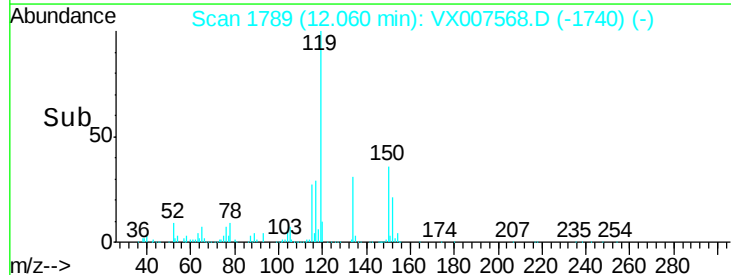
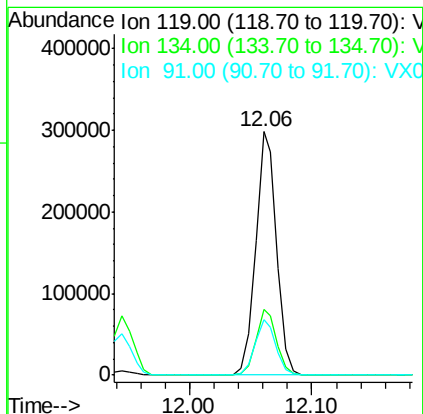
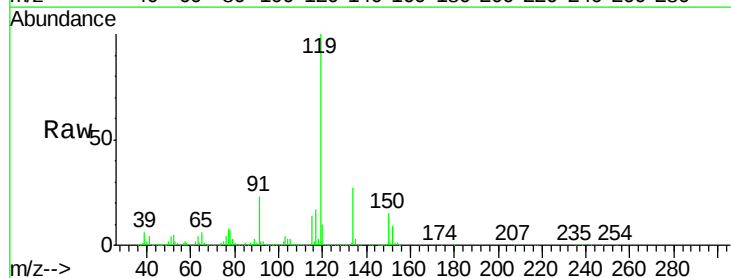
Tgt Ion:119 Resp: 355197

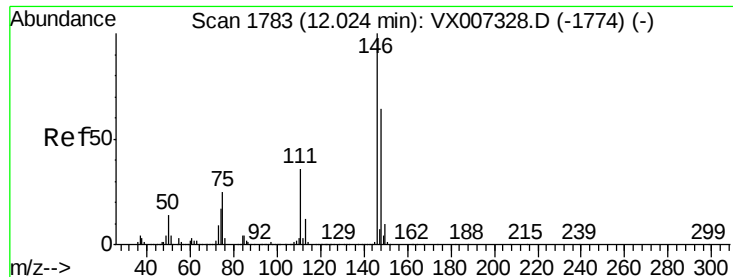
Ion Ratio Lower Upper

119 100

134 27.0 13.7 41.1

91 22.7 11.2 33.5





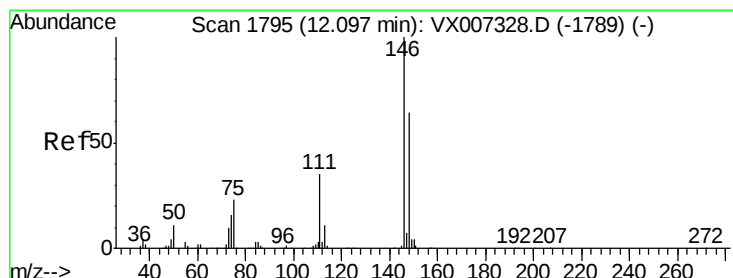
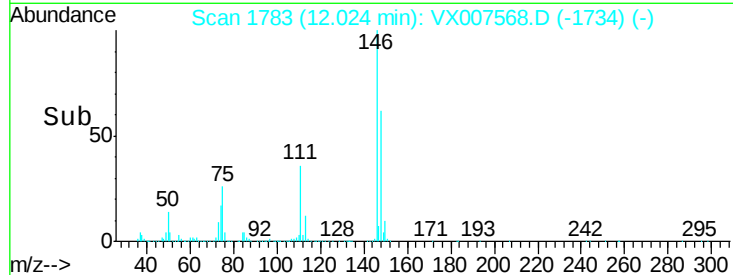
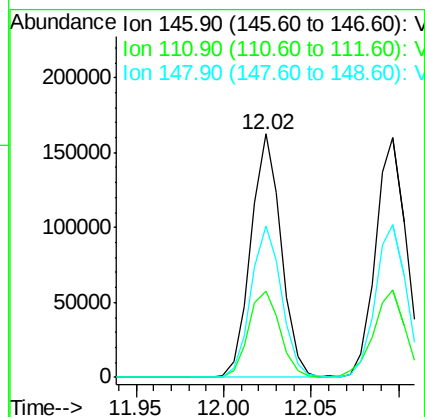
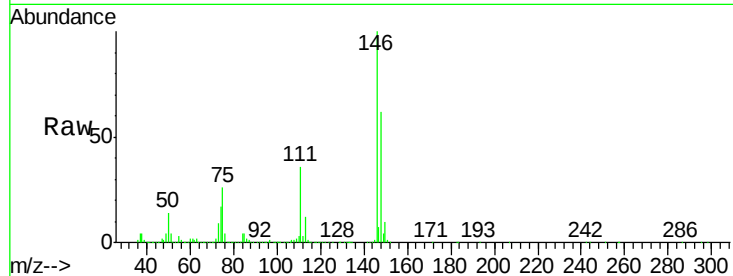
#87
 1,3-Dichlorobenzene
 Concen: 18.810 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007568.D
 Acq: 15 Feb 2019 15:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0216WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.1	54.1
148	62.8	32.0	96.2

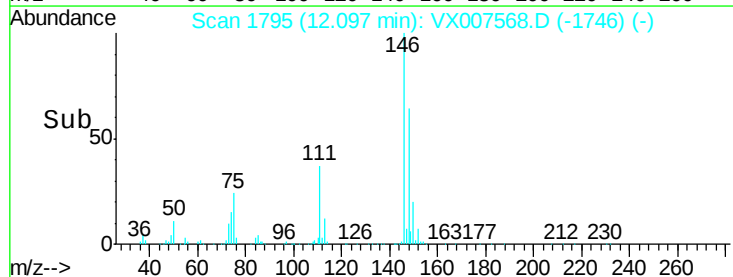
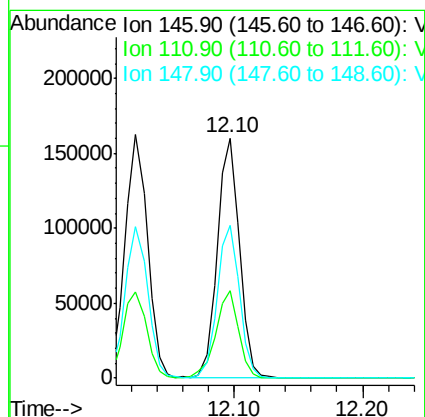
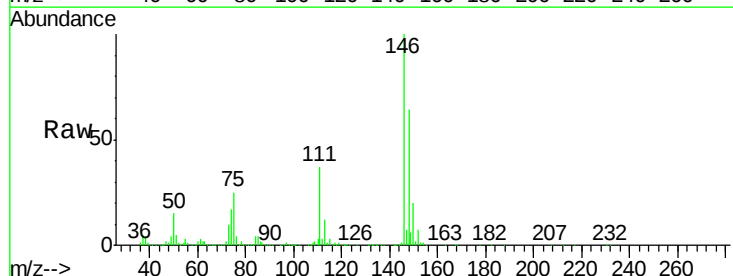
Manual Integrations
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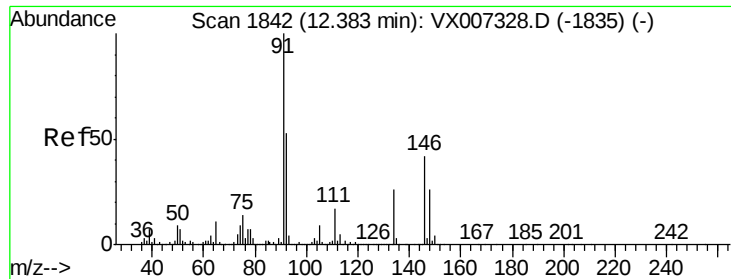
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 18.413 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007568.D
 Acq: 15 Feb 2019 15:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.1	54.1
148	64.6	32.3	96.9





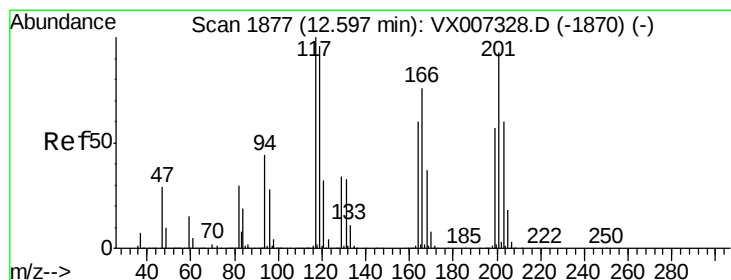
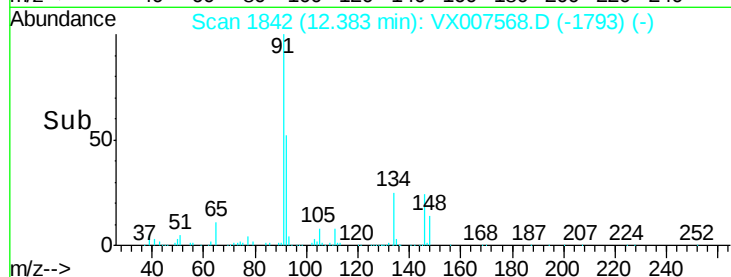
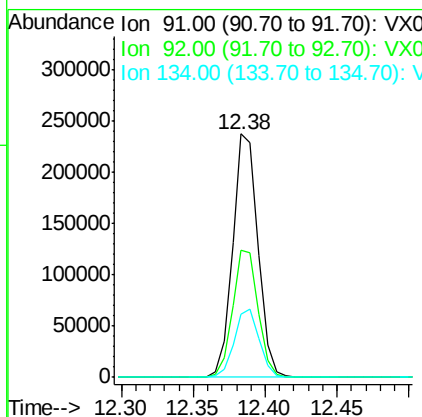
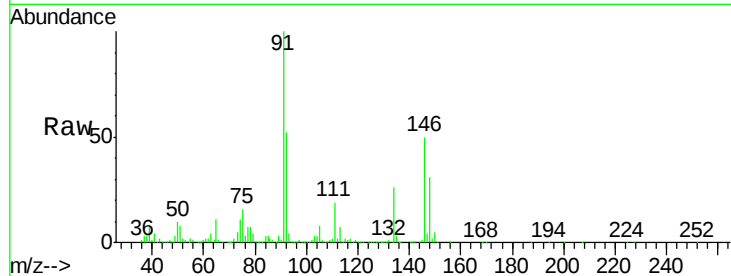
#89
n-Butylbenzene
Concen: 18.686 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX007568.D
Acq: 15 Feb 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX0216WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.3	78.9
134	27.8	13.9	41.6

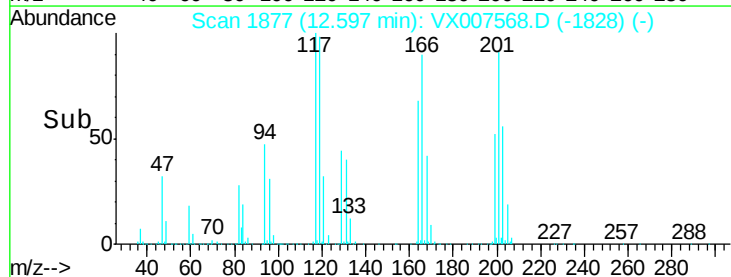
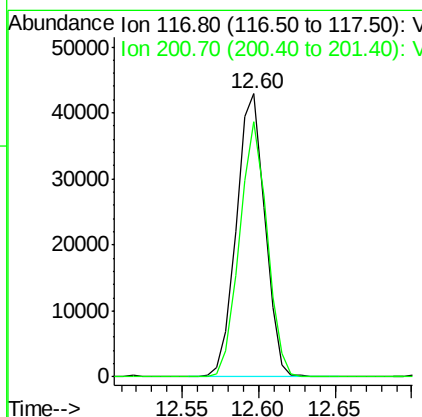
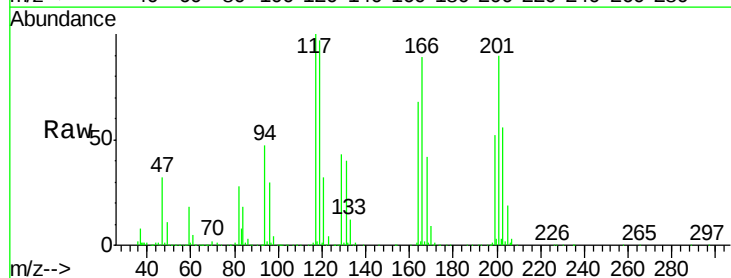
Manual Integrations
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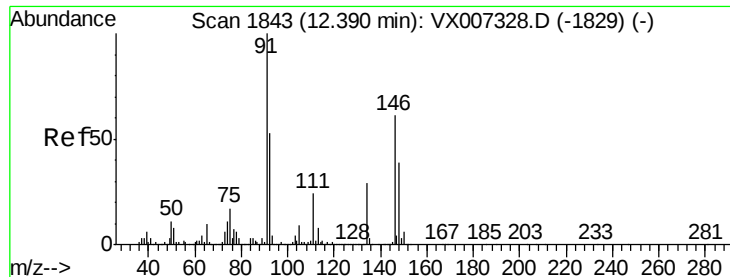
MMDadoda
2/18/2019 10:40:43 AM



#90
Hexachloroethane
Concen: 20.413 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007568.D
Acq: 15 Feb 2019 15:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.2	44.9	134.7





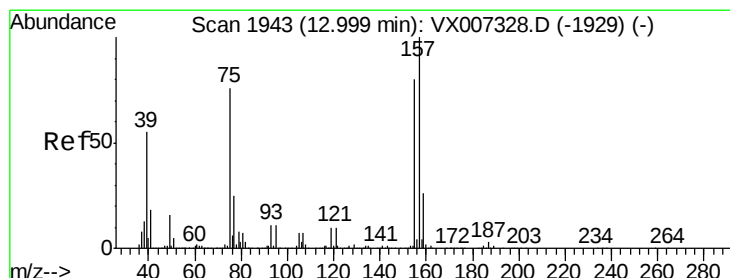
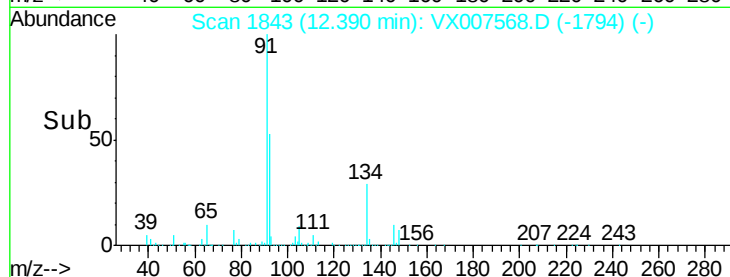
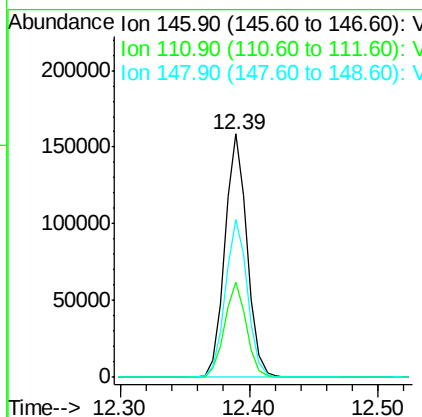
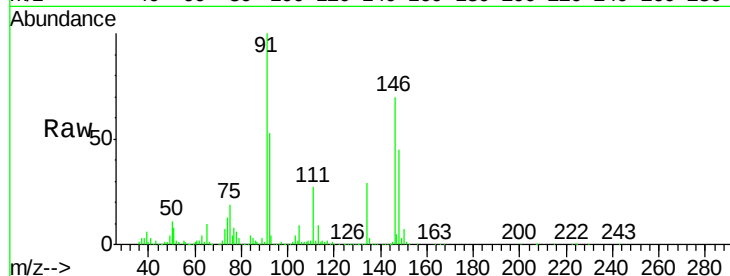
#91
 1,2-Dichlorobenzene
 Concen: 18.605 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007568.D
 Acq: 15 Feb 2019 15:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0216WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.1	57.3
148	64.6	32.1	96.3

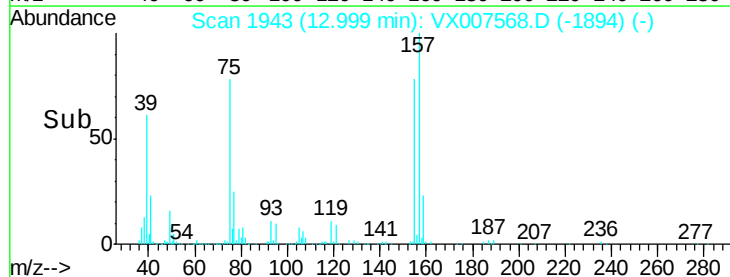
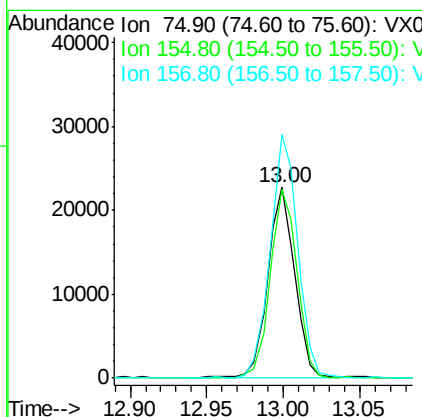
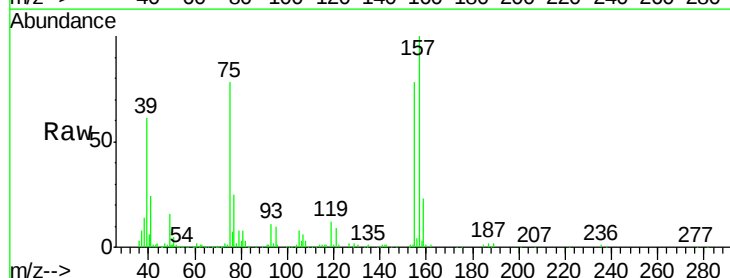
Manual Integrations
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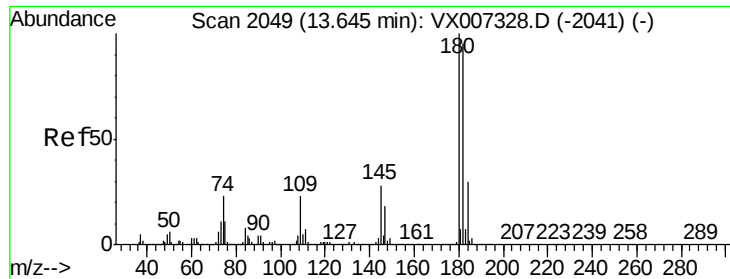
MMDadoda
 2/18/2019 10:40:43 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.473 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007568.D
 Acq: 15 Feb 2019 15:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.6	49.6	149.0
157	131.0	65.1	195.3





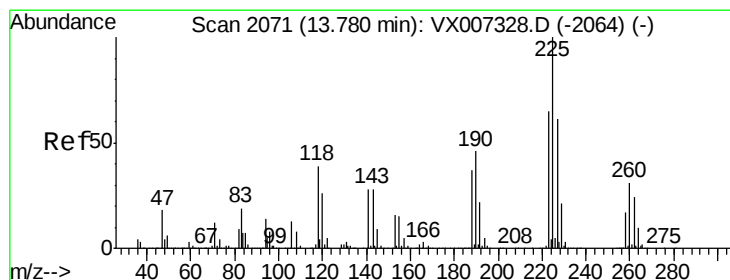
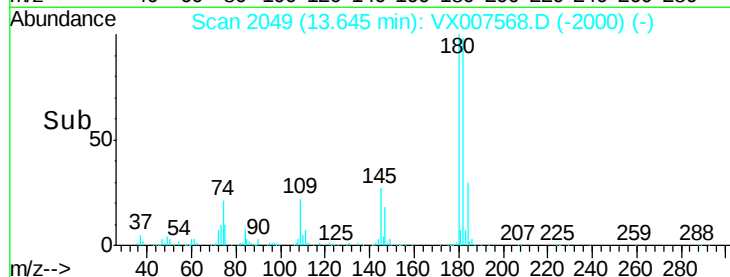
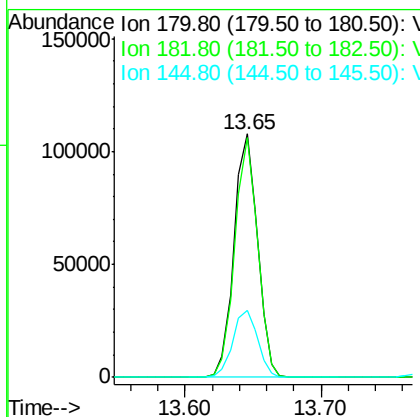
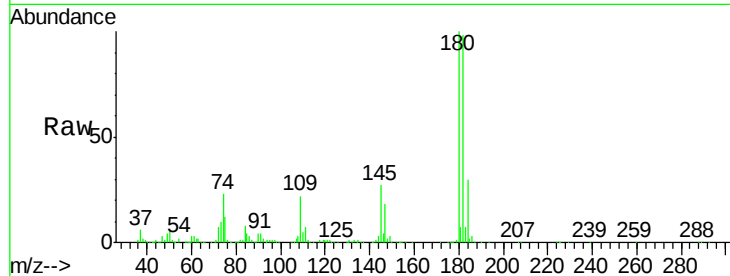
#93
 1,2,4-Trichlorobenzene
 Concen: 18.638 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007568.D
 Acq: 15 Feb 2019 15:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0216WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	129899		
182	95.8	47.8	143.3	
145	29.0	14.1	42.2	

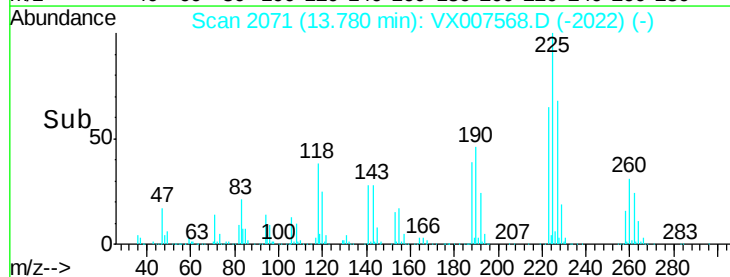
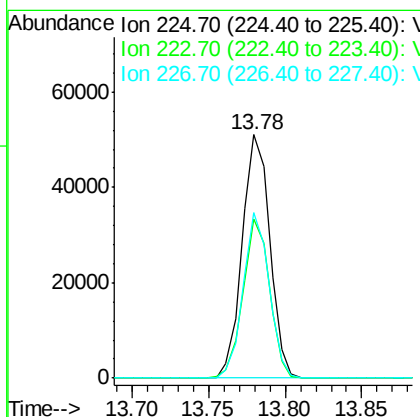
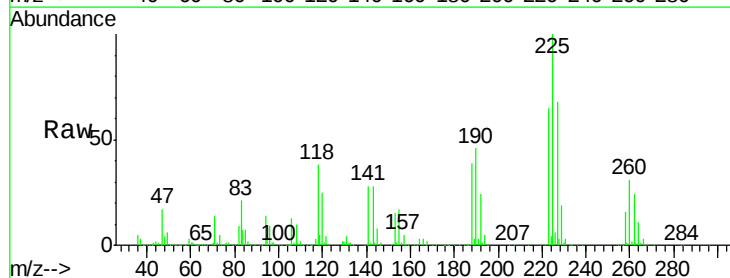
Manual Integrations
 APPROVED

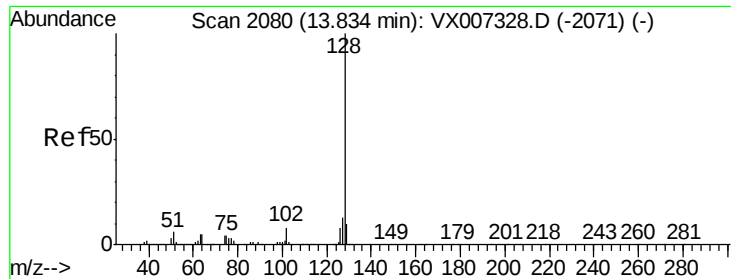
MMDadoda
 2/18/2019 10:40:43 AM



#94
 Hexachlorobutadiene
 Concen: 18.886 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007568.D
 Acq: 15 Feb 2019 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	63917		
223	62.8	31.6	94.8	
227	64.0	32.1	96.3	





#95

Naphthalene

Concen: 19.829 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007568.D

Acq: 15 Feb 2019 15:18

Instrument :

MSVOA_X

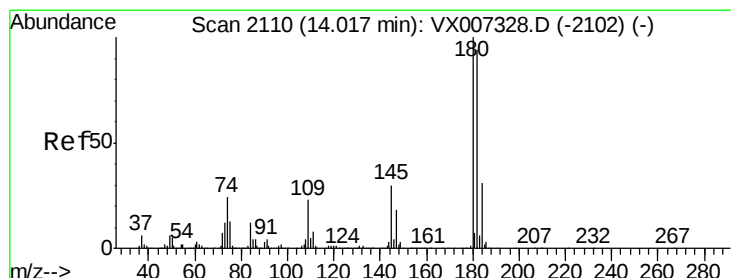
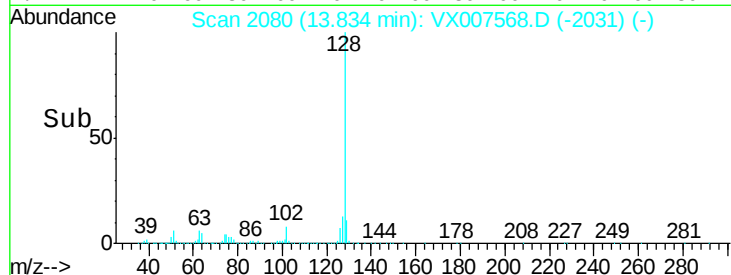
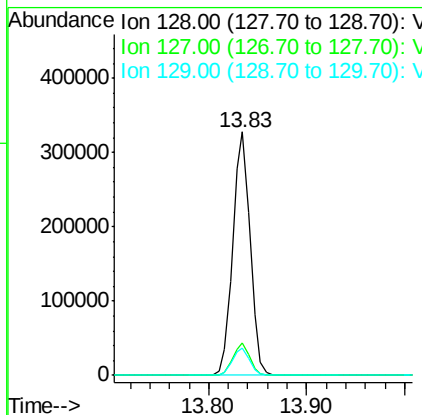
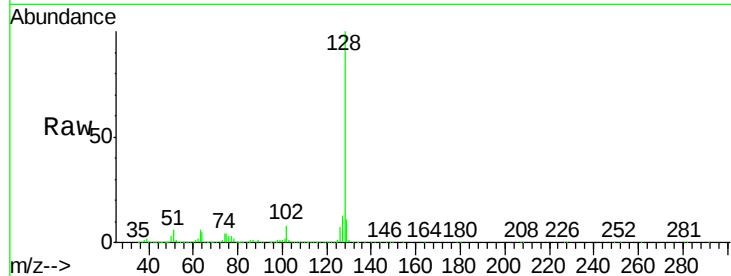
ClientSampleId :

VX0216WBSD02

Tot Ion:	128	Resp:	404149
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.5	15.7
129	11.1	8.7	13.1

Manual Integrations
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2/18/2019 10:40:43 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.687 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007568.D

Acq: 15 Feb 2019 15:18

Tgt Ion:	180	Resp:	131101
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.5	142.6
145	31.0	14.9	44.5

