

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021419\
 Data File : VX007516.D
 Acq On : 13 Feb 2019 12:57
 Operator : JC/SP
 Sample : VX0214MBS01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214MBS01

Manual Integrations
 APPROVED

MMDadoda
 2/14/2019 10:48:12 AM

Quant Time: Feb 13 15:00:24 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	462616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	689813	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	617390	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	306023	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	255036	51.94	ug/l	0.00
Spiked Amount			Recovery	=	103.88%	
35) Dibromofluoromethane	5.51	113	229576	51.15	ug/l	0.00
Spiked Amount			Recovery	=	102.30%	
50) Toluene-d8	8.71	98	829047	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
62) 4-Bromofluorobenzene	11.13	95	290271	47.74	ug/l	0.00
Spiked Amount			Recovery	=	95.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	97293	17.231	ug/l	98
3) Chloromethane	1.33	50	83632	16.050	ug/l	99
4) Vinyl Chloride	1.41	62	95760	18.733	ug/l	99
5) Bromomethane	1.64	94	87011	16.890	ug/l	98
6) Chloroethane	1.73	64	59060	17.860	ug/l	99
7) Trichlorofluoromethane	1.93	101	150730	18.849	ug/l	100
8) Diethyl Ether	2.19	74	55369	18.396	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	84168	17.695	ug/l	98
10) Methyl Iodide	2.51	142	110539	15.797	ug/l	98
11) Tert butyl alcohol	3.07	59	104855	103.185	ug/l	99
12) 1,1-Dichloroethene	2.38	96	77851	17.625	ug/l	100
13) Acrolein	2.30	56	42367	88.909	ug/l	98
14) Allyl chloride	2.73	41	139145	19.334	ug/l	99
15) Acrylonitrile	3.15	53	252429	100.416	ug/l	99
16) Acetone	2.45	43	239177	106.335	ug/l	98
17) Carbon Disulfide	2.57	76	186516	17.584	ug/l	99
18) Methyl Acetate	2.78	43	138880	24.010	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	267872	18.719	ug/l	98
20) Methylene Chloride	2.86	84	86063	18.485	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	82366	17.505	ug/l	98
22) Diisopropyl ether	3.87	45	253762	19.169	ug/l	98
23) Vinyl Acetate	3.82	43	1063288	96.789	ug/l	100
24) 1,1-Dichloroethane	3.70	63	145460	19.133	ug/l	99
25) 2-Butanone	4.70	43	338078	105.617	ug/l	99
26) 2,2-Dichloropropane	4.58	77	107760	18.612	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	95407	18.564	ug/l	98
28) Bromochloromethane	5.02	49	67804	19.394	ug/l	99
29) Tetrahydrofuran	5.15	42	212866	105.735	ug/l	99
30) Chloroform	5.22	83	153068	19.295	ug/l	96
31) Cyclohexane	5.57	56	119981	17.572	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	131355	19.616	ug/l	98
36) 1,1-Dichloropropene	5.80	75	105341	17.020	ug/l	98
37) Ethyl Acetate	4.85	43	119539	19.106	ug/l	98
38) Carbon Tetrachloride	5.78	117	112784	18.783	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	128168	17.116	ug/l	99
40) Benzene	6.15	78	334657	18.356	ug/l	97
41) Methacrylonitrile	5.06	41	68019	20.285	ug/l	98
42) 1,2-Dichloroethane	6.20	62	112833	17.887	ug/l	98
43) Isopropyl Acetate	6.46	43	183597	19.011	ug/l	99
44) Trichloroethene	7.21	130	99585	18.136	ug/l	97
45) 1,2-Dichloropropane	7.51	63	84261	18.446	ug/l	100
46) Dibromomethane	7.66	93	61094	18.401	ug/l	98
47) Bromodichloromethane	7.90	83	106123	18.860	ug/l	99
48) Methyl methacrylate	7.77	41	95286	19.726	ug/l	97
49) 1,4-Dioxane	7.75	88	46615	428.297	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	635061	99.894	ug/l	100
52) Toluene	8.79	92	213026	18.110	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	109285	18.082	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	125282	18.849	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	91114	18.582	ug/l	98
56) Ethyl methacrylate	9.18	69	126019	18.556	ug/l	99
57) 1,3-Dichloropropane	9.37	76	144976	18.592	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	352879	98.584	ug/l	100
59) 2-Hexanone	9.49	43	488190	98.683	ug/l	99
60) Dibromochloromethane	9.59	129	87306	18.827	ug/l	94
61) 1,2-Dibromoethane	9.67	107	96713	18.625	ug/l	98
64) Tetrachloroethene	9.34	164	97636	16.779	ug/l	99
65) Chlorobenzene	10.14	112	242410	17.993	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	88782	19.655	ug/l	99
67) Ethyl Benzene	10.25	91	394336	18.175	ug/l	100
68) m/p-Xylenes	10.36	106	309303	35.863	ug/l	99
69) o-Xylene	10.69	106	154013	18.558	ug/l	98
70) Styrene	10.71	104	239297	17.780	ug/l	100
71) Bromoform	10.85	173	65548	19.241	ug/l #	99
73) Isopropylbenzene	11.02	105	399499	19.210	ug/l	99
74) N-amyl acetate	10.90	43	159348	19.810	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	132582	20.919	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	111306m	18.699	ug/l	
77) Bromobenzene	11.26	156	108935	18.592	ug/l	98
78) n-propylbenzene	11.36	91	441128	19.344	ug/l	100
79) 2-Chlorotoluene	11.42	91	262803	18.993	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	329473	19.365	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	33646	20.222	ug/l	96
82) 4-Chlorotoluene	11.51	91	303488	18.955	ug/l	99
83) tert-Butylbenzene	11.77	119	324655	19.274	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	335526	19.425	ug/l	99
85) sec-Butylbenzene	11.94	105	392305	19.243	ug/l	100
86) p-Isopropyltoluene	12.06	119	355579	19.321	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	192487	18.305	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	190787	17.883	ug/l	98
89) n-Butylbenzene	12.39	91	287688	18.172	ug/l	100
90) Hexachloroethane	12.60	117	54508	19.790	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	192038	18.350	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	27526	20.888	ug/l	98

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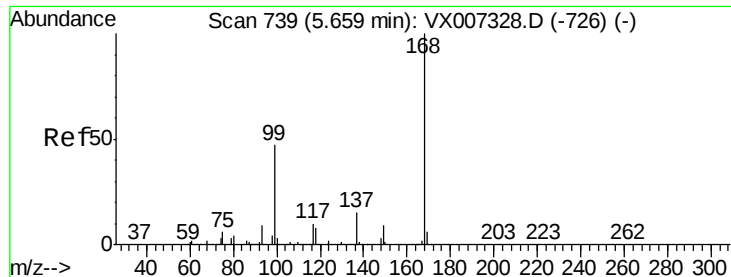
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	125709	17.812	ug/l	99
94) Hexachlorobutadiene	13.78	225	61257	17.875	ug/l	99
95) Naphthalene	13.83	128	399375	19.351	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	128693	18.116	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: VX007516.D

Acq: 13 Feb 2019 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0214MBS01

Tot Ion:168 Resp: 462616

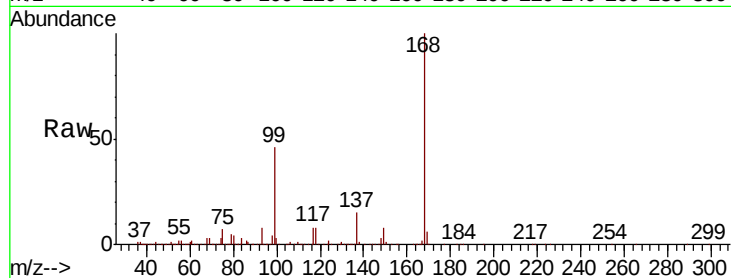
Ion Ratio Lower Upper

168 100

99 46.4 37.9 56.9

Manual Integrations
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2/14/2019 10:48:12 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

100000

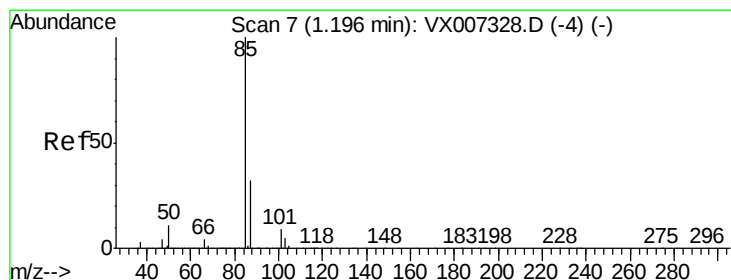
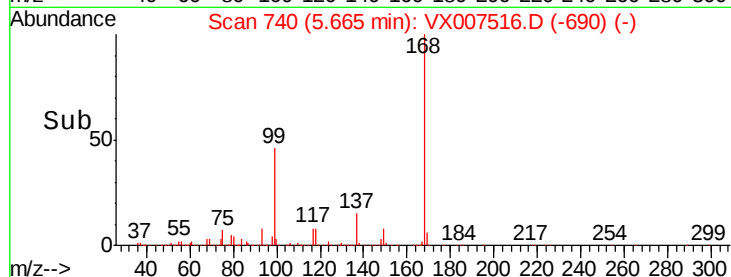
50000

0

Time-->

5.50 5.60 5.70 5.80

5.67



#2

Dichlorodifluoromethane

Concen: 17.231 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007516.D

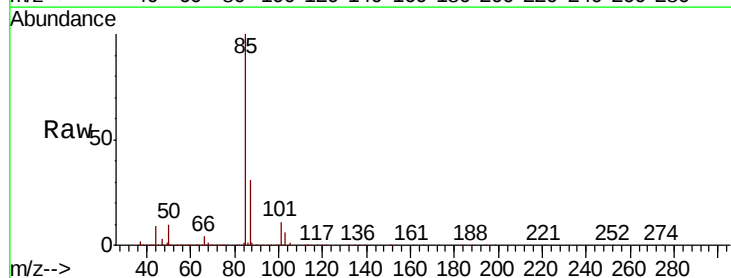
Acq: 13 Feb 2019 12:57

Tgt Ion: 85 Resp: 97293

Ion Ratio Lower Upper

85 100

87 30.7 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

100000

80000

60000

40000

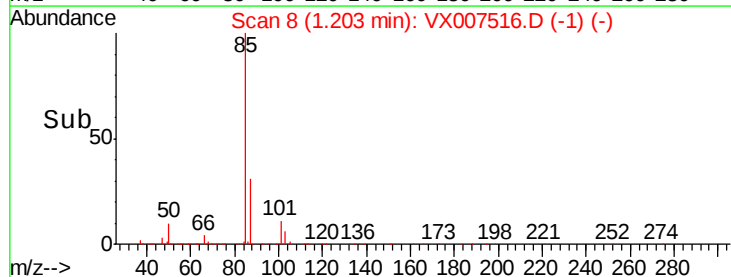
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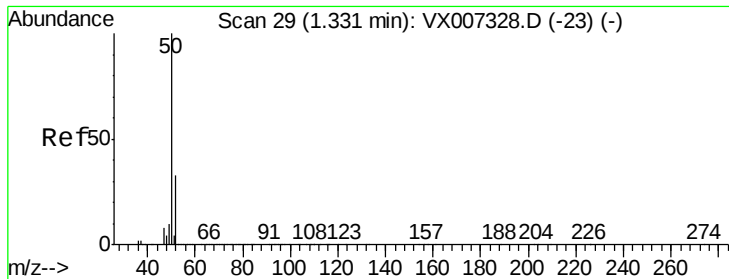
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Time-->

1.15 1.20 1.25 1.30

1.20





#3

Chloromethane

Concen: 16.050 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007516.D

Acq: 13 Feb 2019 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0214MBS01

Tot Ion: 50 Resp: 83632

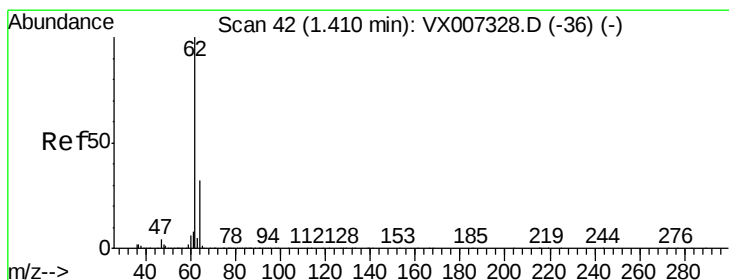
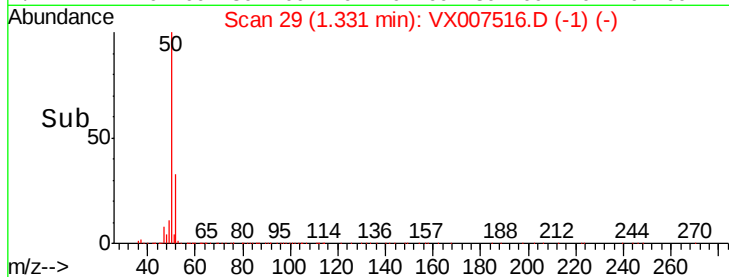
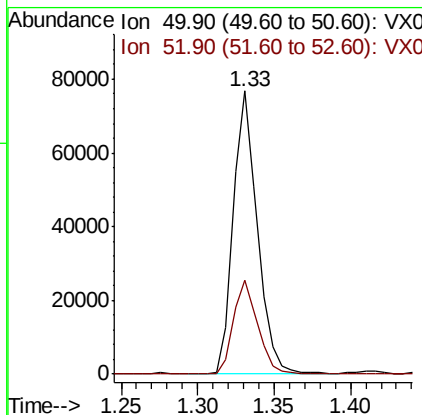
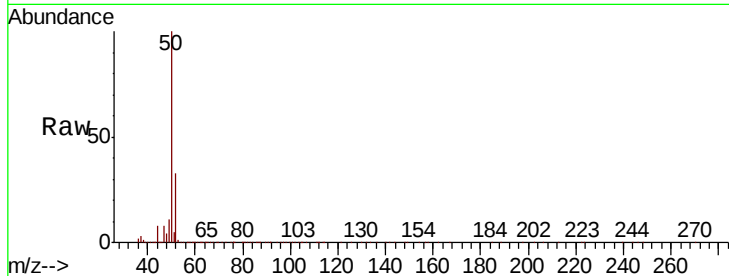
Ion Ratio Lower Upper

50 100

52 33.2 26.1 39.1

Manual Integrations
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#4

Vinyl Chloride

Concen: 18.733 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007516.D

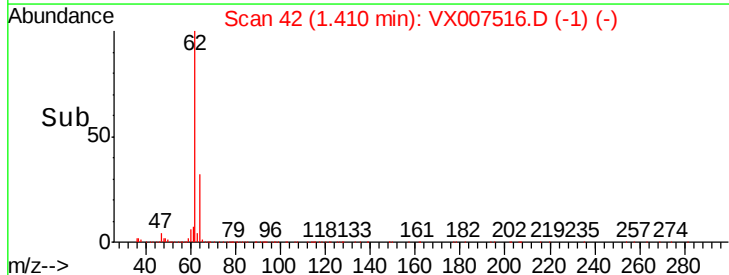
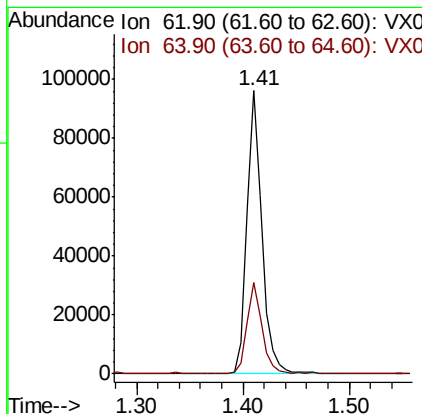
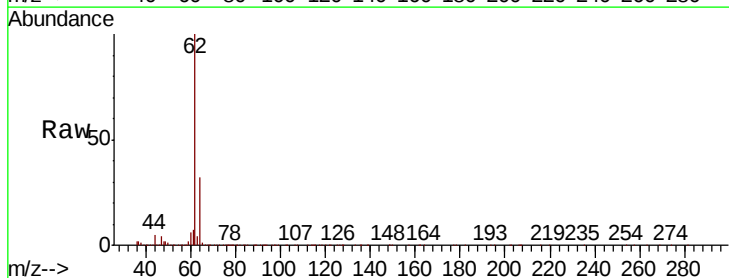
Acq: 13 Feb 2019 12:57

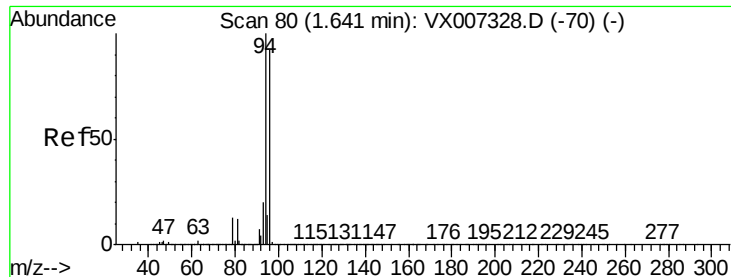
Tgt Ion: 62 Resp: 95760

Ion Ratio Lower Upper

62 100

64 32.1 25.4 38.0





#5

Bromomethane

Concen: 16.890 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007516.D

Acq: 13 Feb 2019 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0214MBS01

Tot Ion: 94 Resp: 87011

Ion Ratio Lower Upper

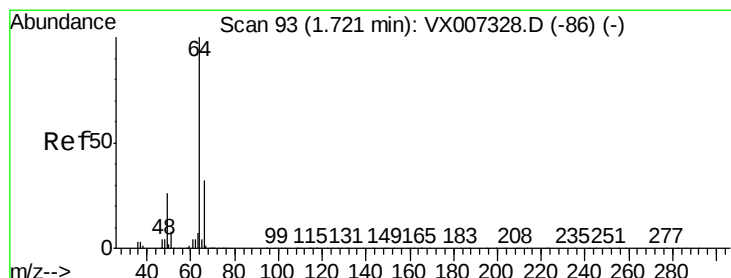
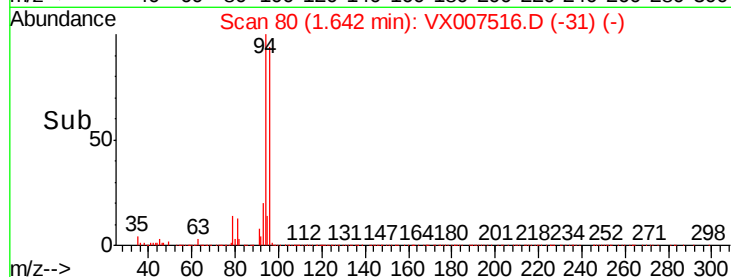
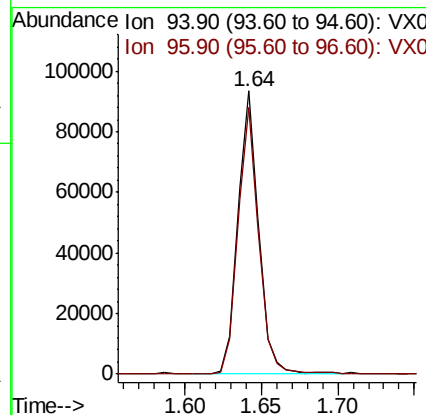
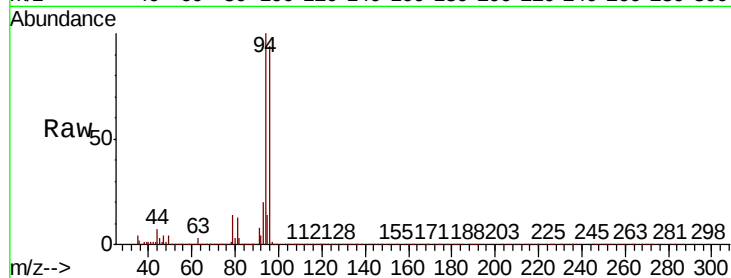
94 100

96 94.2 73.9 110.9

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#6

Chloroethane

Concen: 17.860 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX007516.D

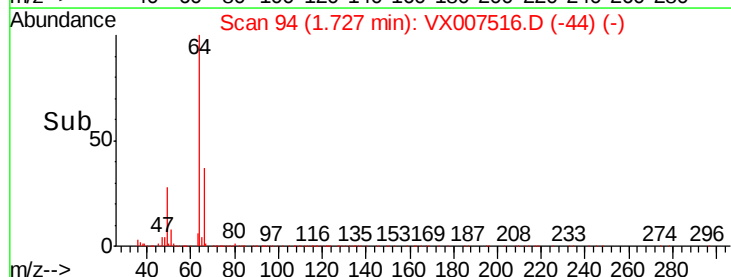
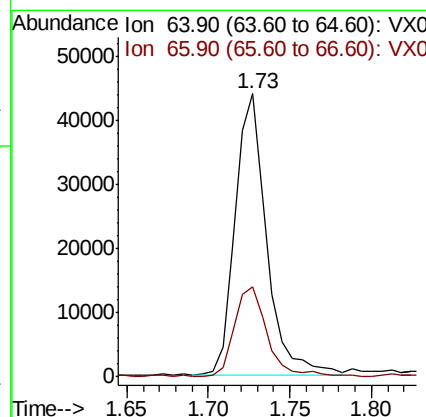
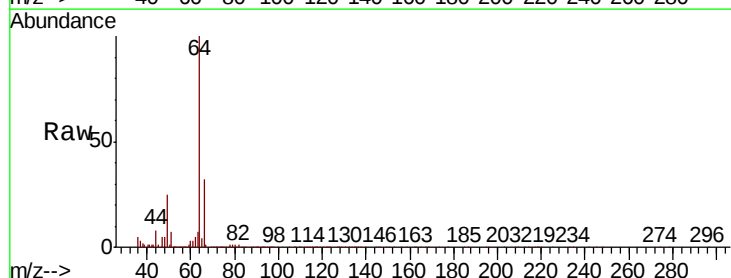
Acq: 13 Feb 2019 12:57

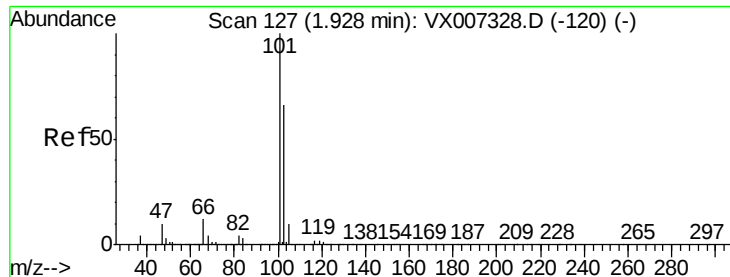
Tgt Ion: 64 Resp: 59060

Ion Ratio Lower Upper

64 100

66 31.5 25.5 38.3





#7

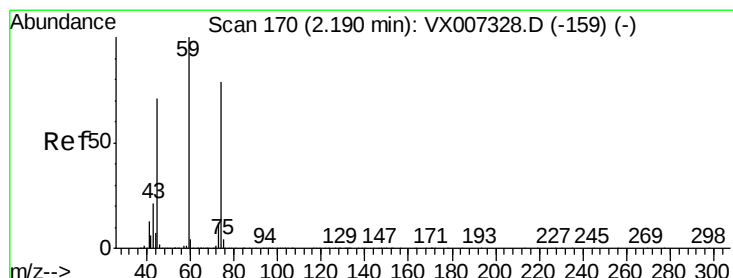
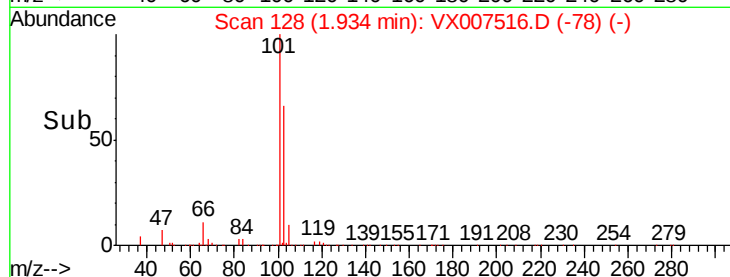
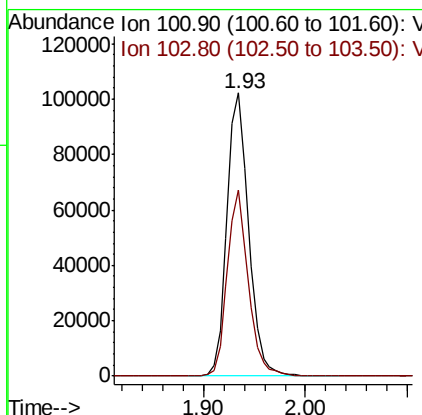
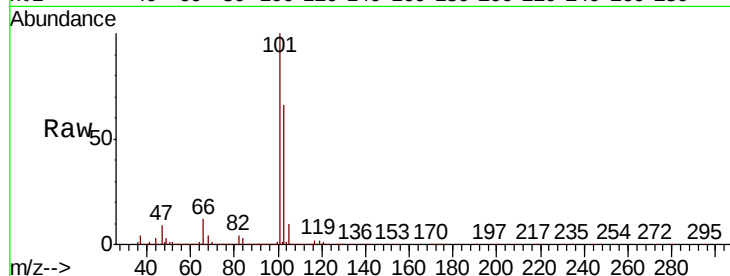
Trichlorofluoromethane
Concen: 18.849 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX007516.D
Acq: 13 Feb 2019 12:57

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ClientSampleId :
VX0214MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.6	79.0

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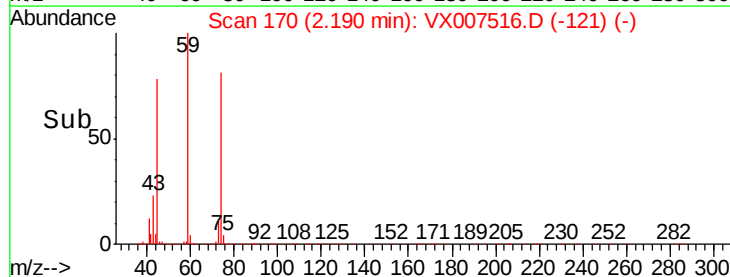
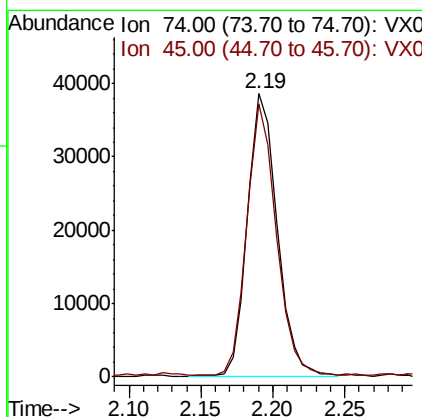
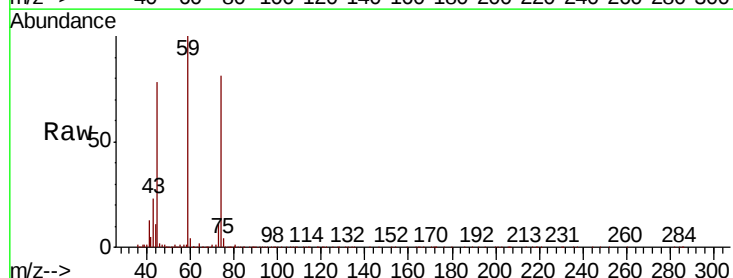
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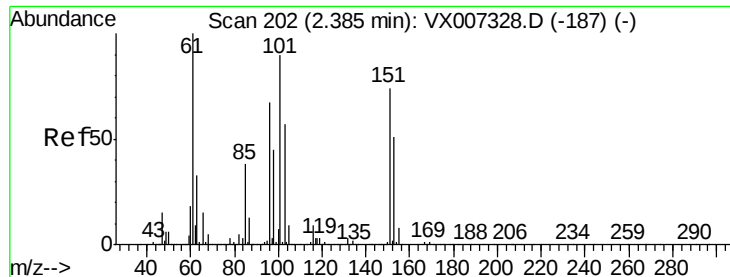


#8

Diethyl Ether
Concen: 18.396 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007516.D
Acq: 13 Feb 2019 12:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.7	45.7	137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.695 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007516.D

Acq: 13 Feb 2019 12:57

Instrument :

MSVOA_X

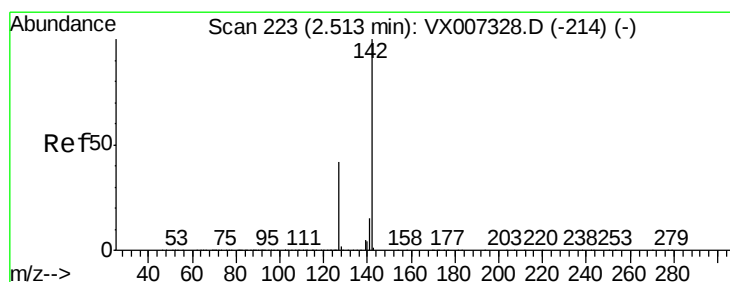
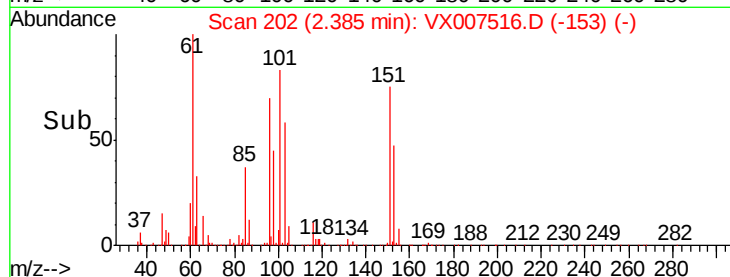
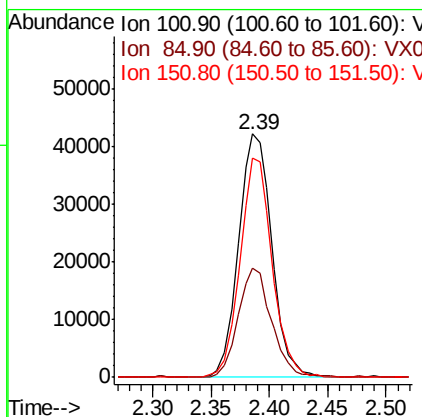
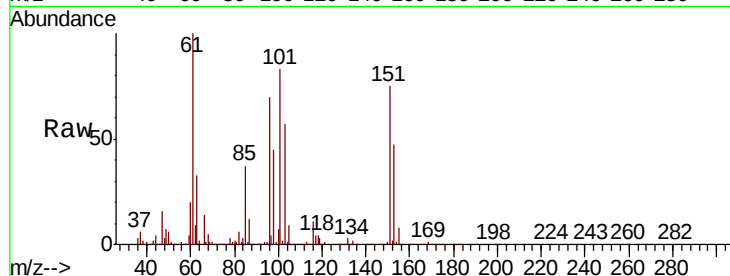
ClientSampleId :

VX0214MBS01

Tot Ion:	101	Resp:	84168
Ion Ratio	Lower	Upper	
101	100		
85	45.2	34.1	51.1
151	87.1	69.9	104.9

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#10

Methyl Iodide

Concen: 15.797 ug/l

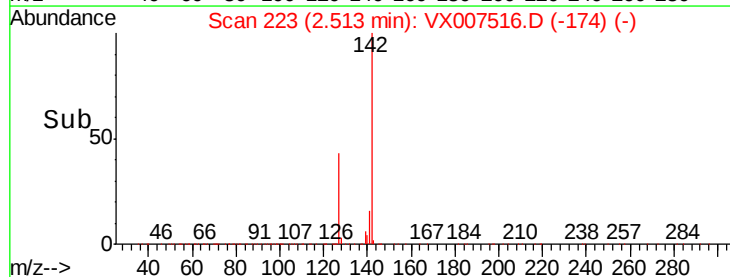
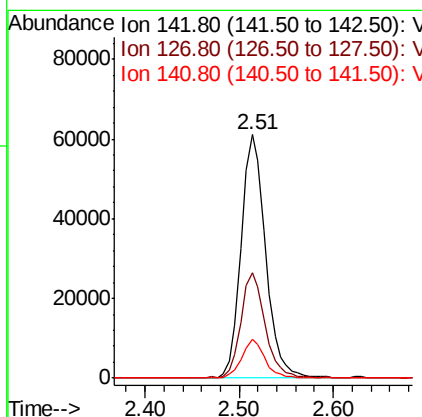
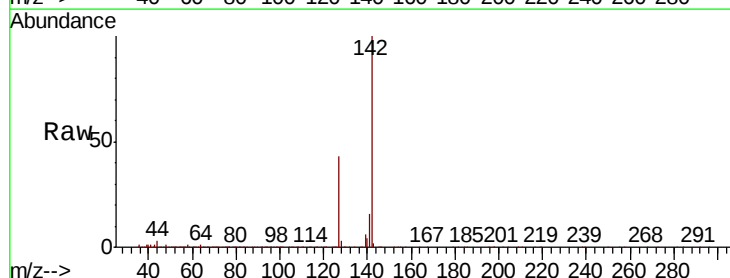
RT: 2.51 min Scan# 223

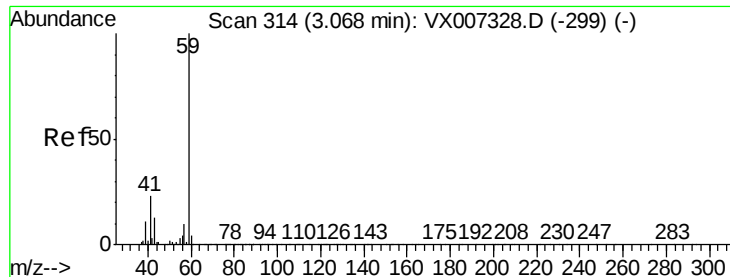
Delta R.T. 0.00 min

Lab File: VX007516.D

Acq: 13 Feb 2019 12:57

Tgt Ion:	142	Resp:	110539
Ion Ratio	Lower	Upper	
142	100		
127	42.9	33.7	50.5
141	15.2	11.3	16.9





#11

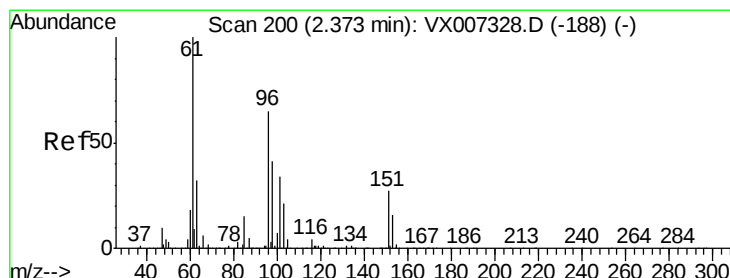
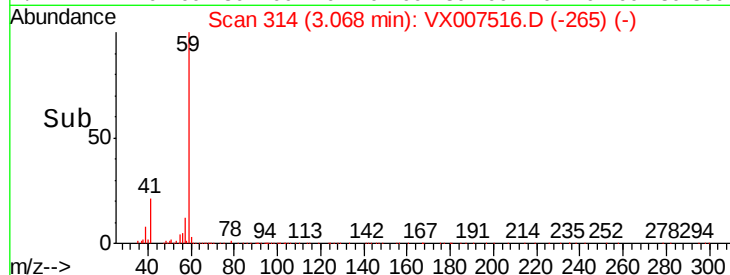
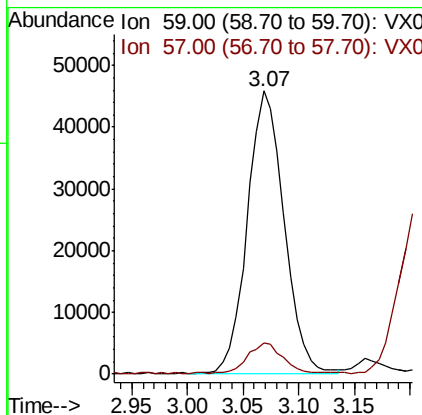
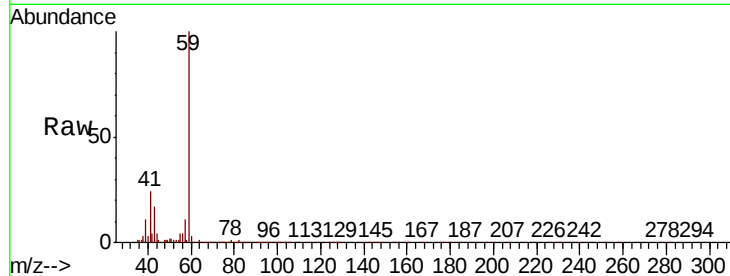
Tert butyl alcohol
Concen: 103.185 ug/l
RT: 3.07 min Scan# 314
Delta R.T. 0.00 min
Lab File: VX007516.D
Acq: 13 Feb 2019 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0214MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.1	12.1

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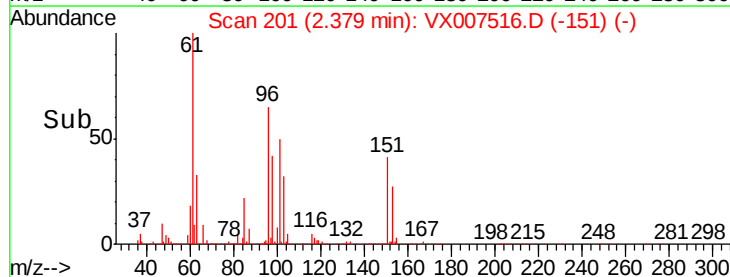
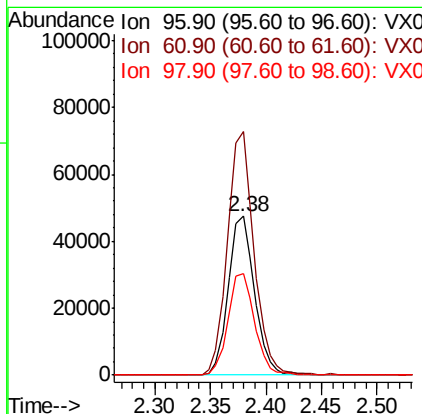
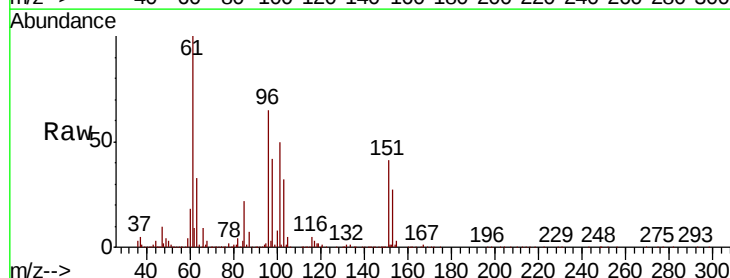
MMDadoda
2/14/2019 10:48:12 AM

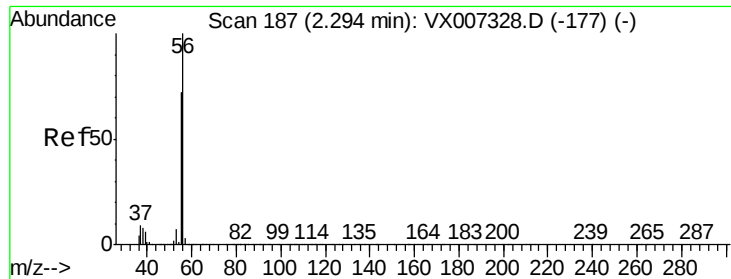


#12

1,1-Dichloroethene
Concen: 17.625 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX007516.D
Acq: 13 Feb 2019 12:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.0	123.0	184.4
98	63.7	50.9	76.3





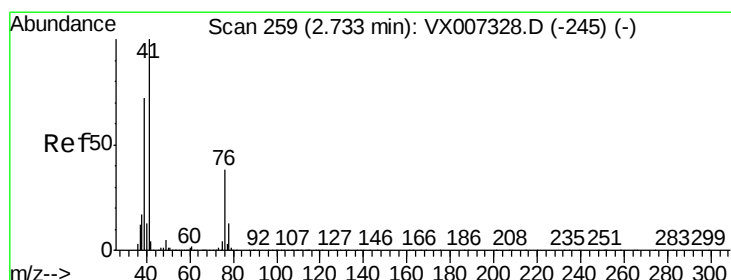
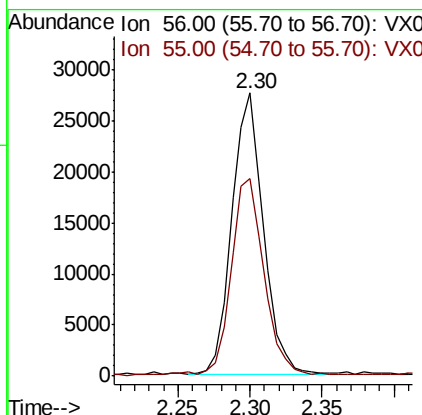
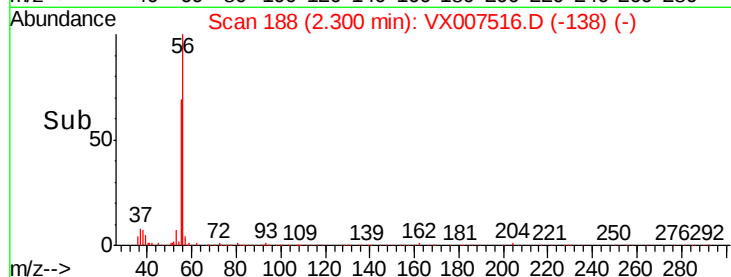
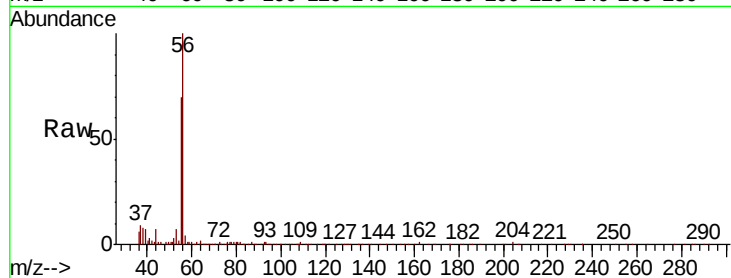
#13
Acrolein
Concen: 88.909 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX007516.D
Acq: 13 Feb 2019 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0214MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.6	56.9	85.3

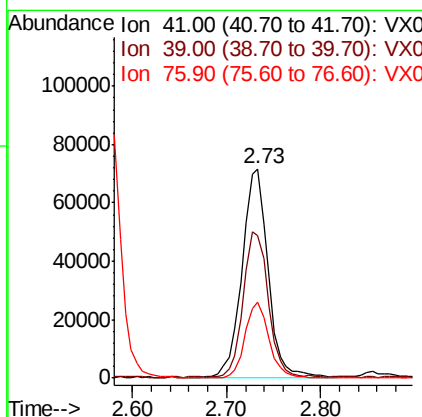
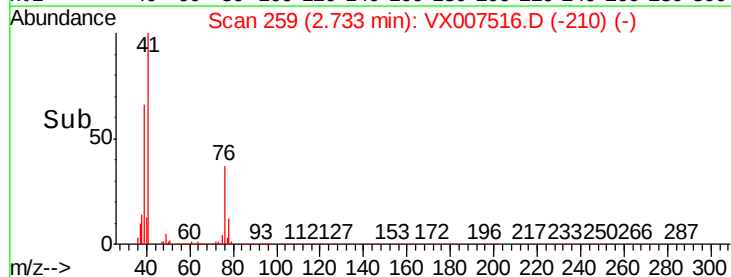
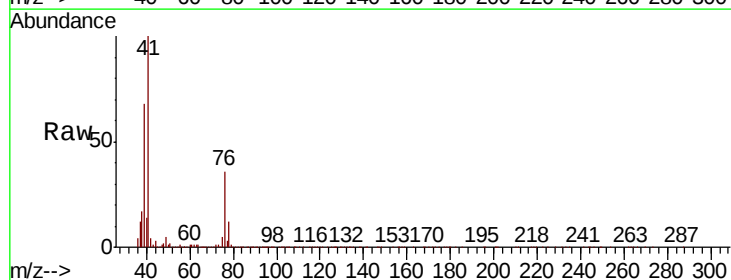
Manual Integrations
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#14
Allyl chloride
Concen: 19.334 ug/l
RT: 2.73 min Scan# 259
Delta R.T. 0.00 min
Lab File: VX007516.D
Acq: 13 Feb 2019 12:57

Tgt Ion	Ratio	Lower	Upper
41	100		
39	67.1	54.1	81.1
76	33.0	27.8	41.8





#15

Acrylonitrile

Concen: 100.416 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX007516.D

Acq: 13 Feb 2019 12:57

Instrument :

MSVOA_X

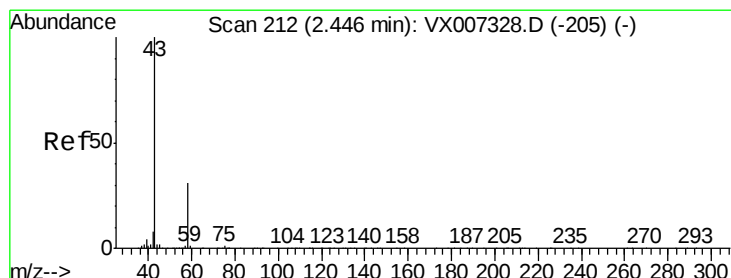
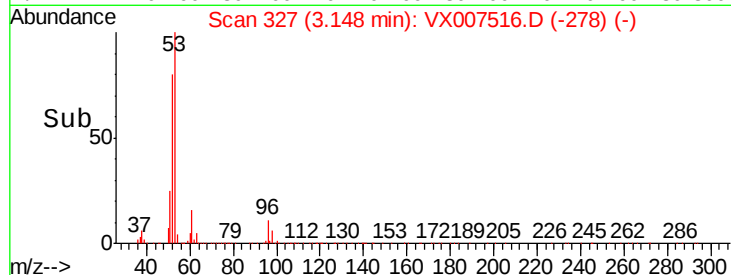
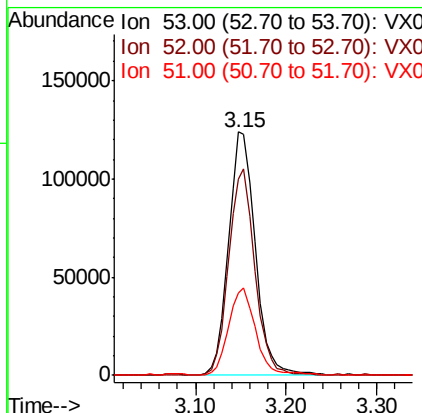
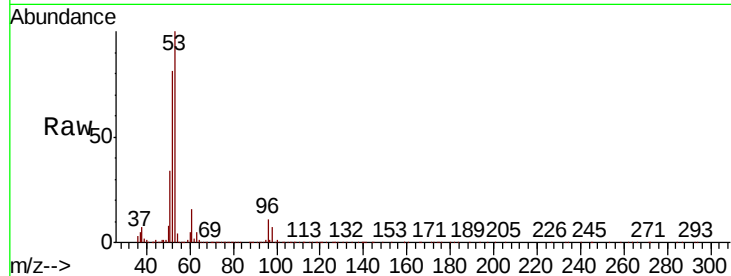
ClientSampleId :

VX0214MBS01

Tot Ion:	53	Resp:	252429
Ion Ratio		Lower	Upper
53	100		
52	82.8	66.4	99.6
51	36.5	28.4	42.6

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#16

Acetone

Concen: 106.335 ug/l

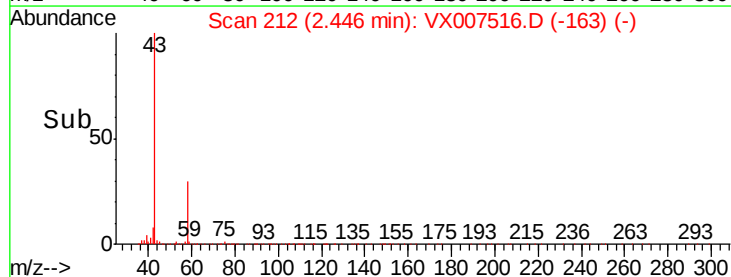
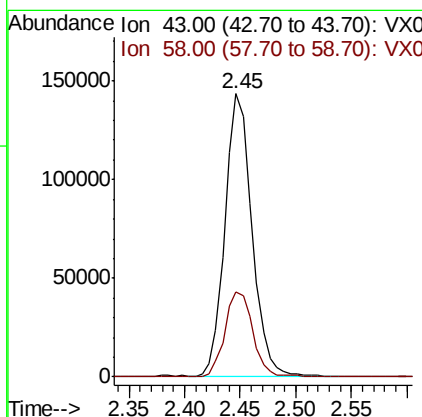
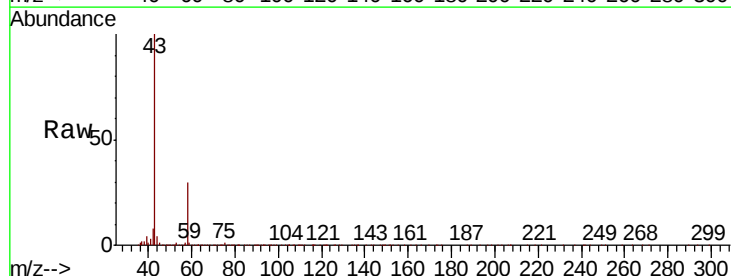
RT: 2.45 min Scan# 212

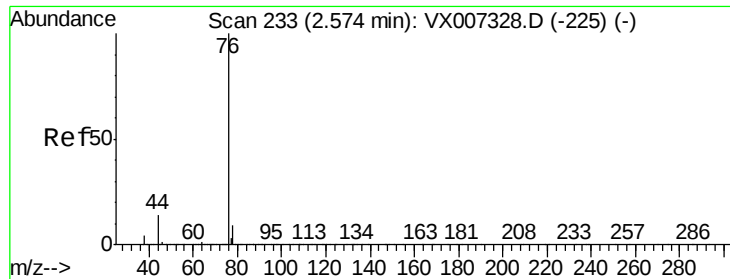
Delta R.T. 0.00 min

Lab File: VX007516.D

Acq: 13 Feb 2019 12:57

Tgt Ion:	43	Resp:	239177
Ion Ratio		Lower	Upper
43	100		
58	30.1	24.9	37.3





#17

Carbon Disulfide

Concen: 17.584 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007516.D

Acq: 13 Feb 2019 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0214MBS01

Tot Ion: 76 Resp: 186516

Ion Ratio Lower Upper

76 100

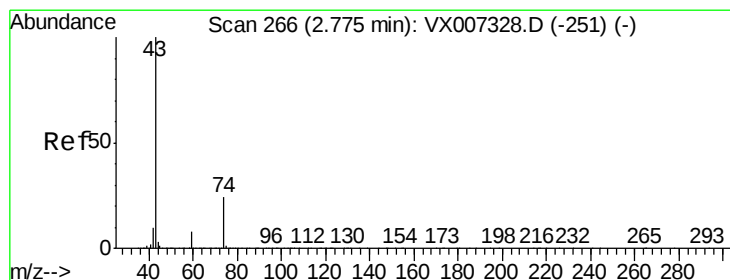
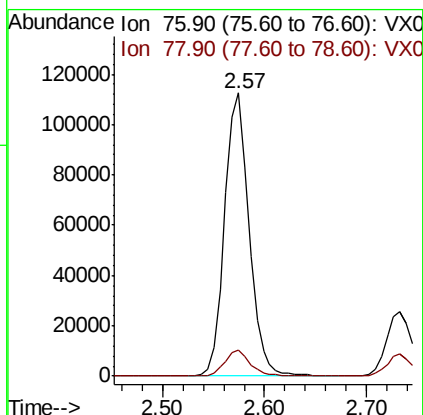
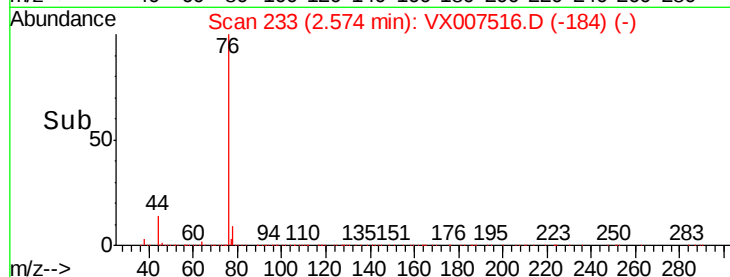
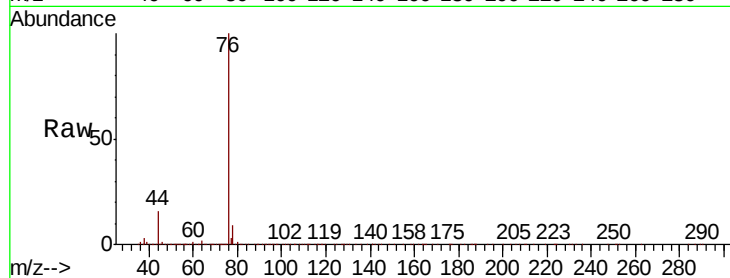
78 9.3 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 24.010 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX007516.D

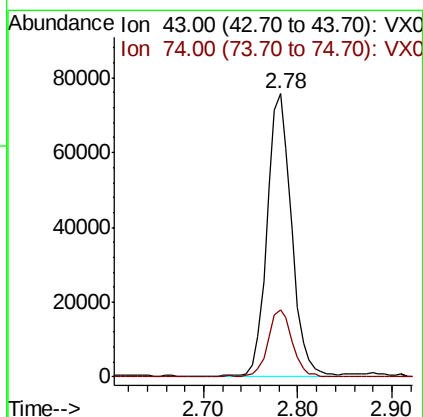
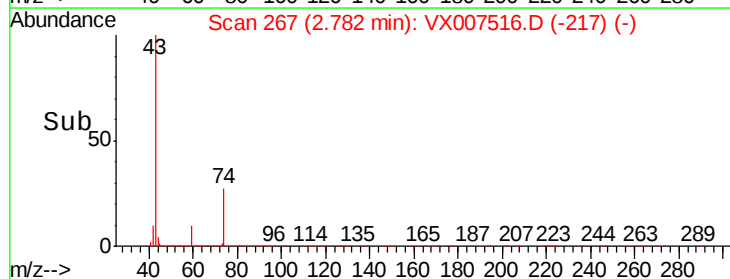
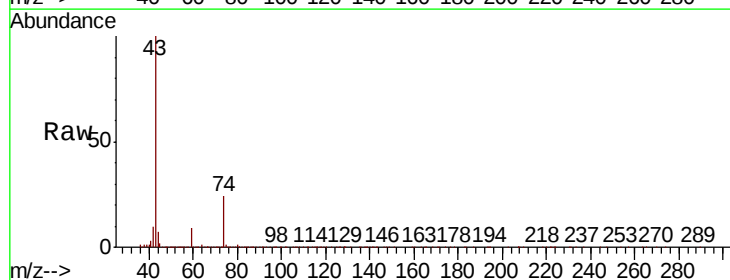
Acq: 13 Feb 2019 12:57

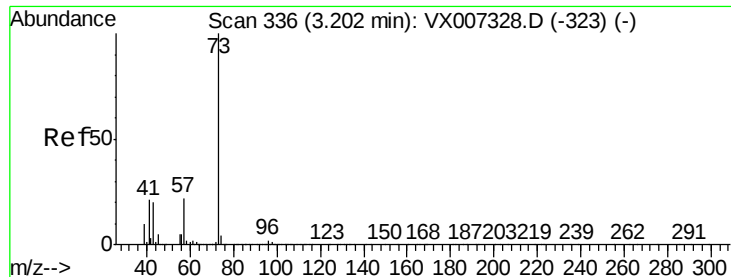
Tgt Ion: 43 Resp: 138880

Ion Ratio Lower Upper

43 100

74 22.6 19.4 29.2





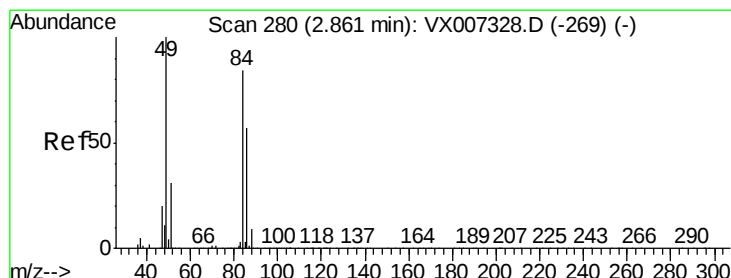
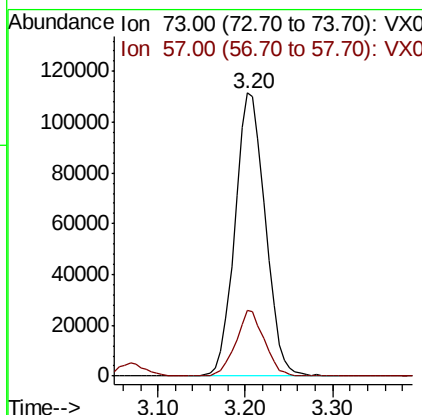
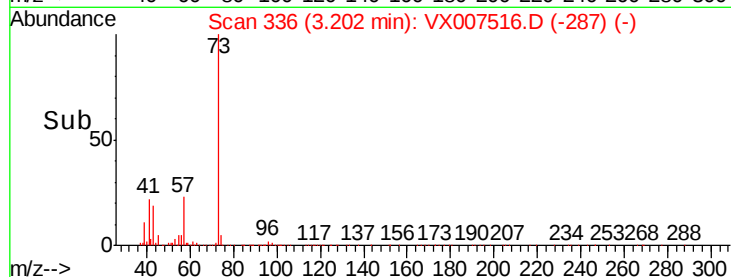
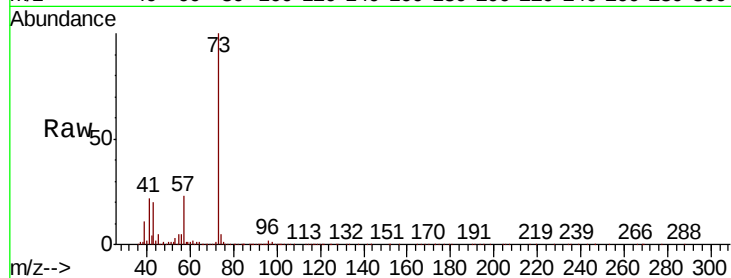
#19
Methvl tert-butvl Ether
Concen: 18.719 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX007516.D
Acq: 13 Feb 2019 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0214MBS01

Tot Ion	73	Resp	267872
Ion Ratio	100	Lower	Upper
73	100		
57	23.3	17.8	26.8

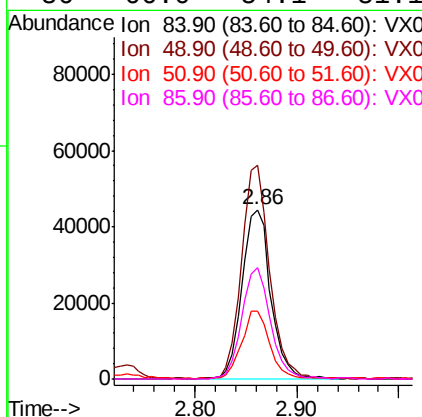
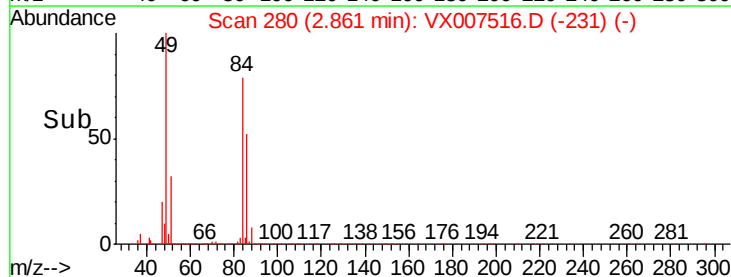
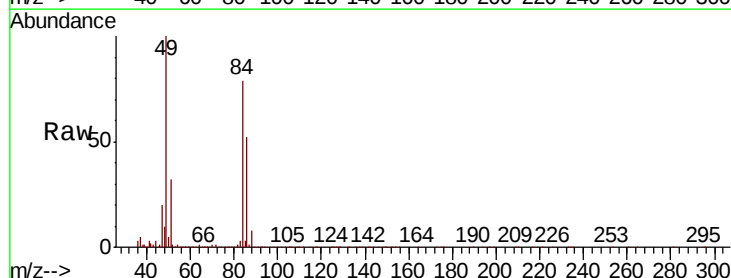
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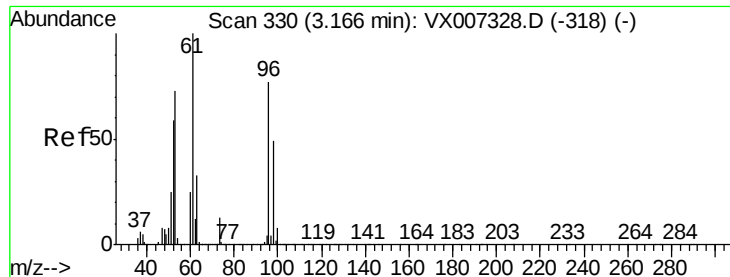
MMDadoda
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#20
Methylene Chloride
Concen: 18.485 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007516.D
Acq: 13 Feb 2019 12:57

Tgt Ion	84	Resp	86063
Ion Ratio	100	Lower	Upper
84	100		
49	126.2	94.8	142.2
51	39.4	29.8	44.8
86	66.0	54.1	81.1





#21

trans-1,2-Dichloroethene

Concen: 17.505 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007516.D

Acq: 13 Feb 2019 12:57

Instrument :

MSVOA_X

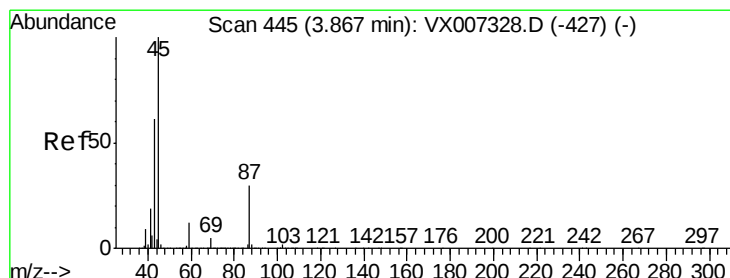
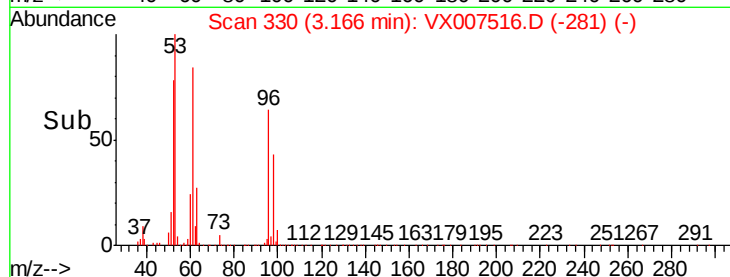
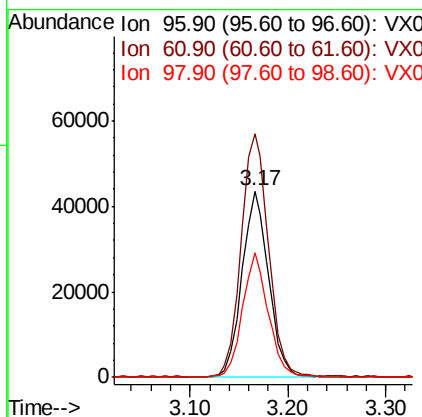
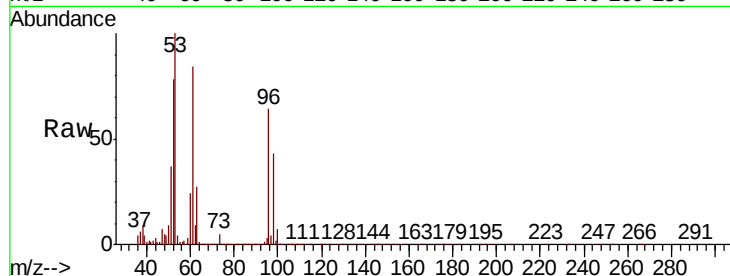
ClientSampleId :

VX0214MBS01

Tot Ion:	96	Resp:	82366
Ion	Ratio	Lower	Upper
96	100		
61	130.5	104.6	156.8
98	67.2	51.0	76.4

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#22

Diisopropyl ether

Concen: 19.169 ug/l

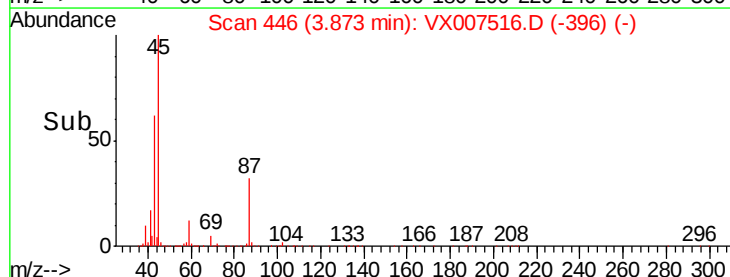
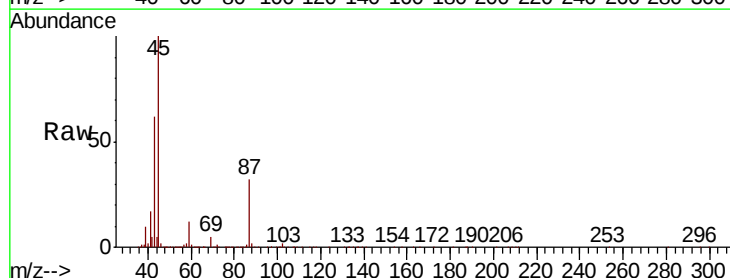
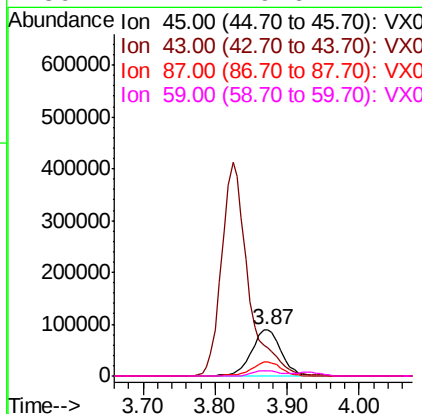
RT: 3.87 min Scan# 446

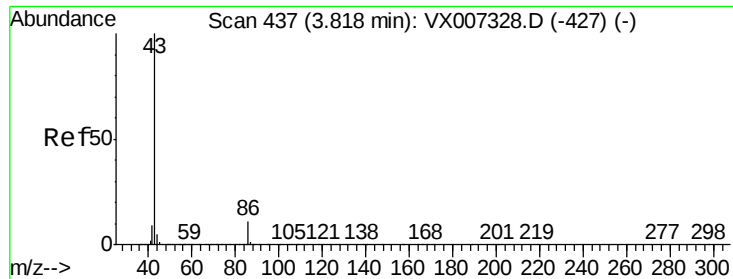
Delta R.T. 0.01 min

Lab File: VX007516.D

Acq: 13 Feb 2019 12:57

Tgt Ion:	45	Resp:	253762
Ion	Ratio	Lower	Upper
45	100		
43	62.2	48.9	73.3
87	31.5	23.9	35.9
59	11.7	9.6	14.4





#23

Vinyl Acetate

Concen: 96.789 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX007516.D

Acq: 13 Feb 2019 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0214MBS01

Tot Ion: 43 Resp: 1063288

Ion Ratio Lower Upper

43 100

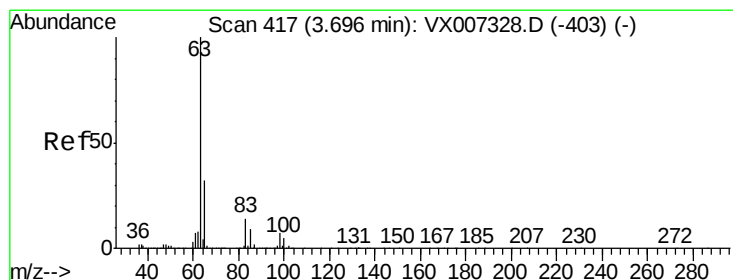
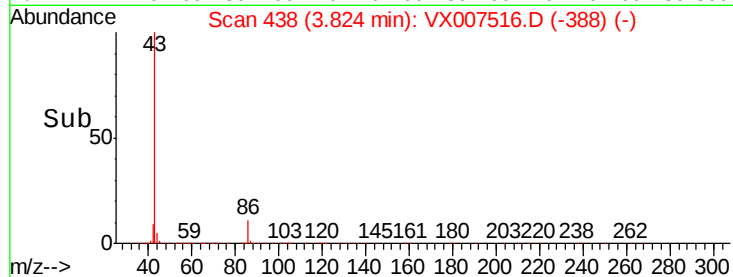
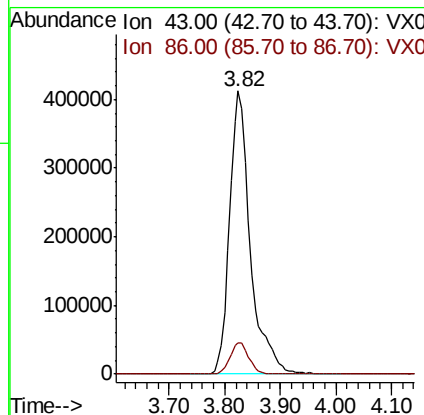
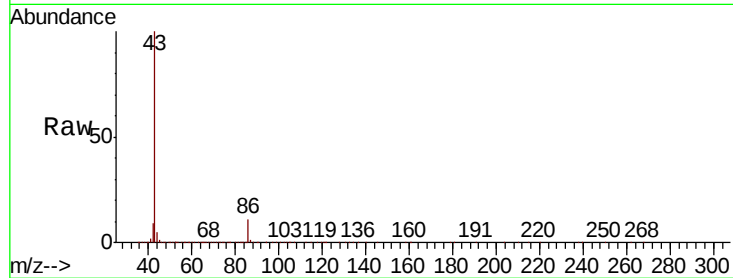
86 11.0 8.7 13.1

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#24

1,1-Dichloroethane

Concen: 19.133 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX007516.D

Acq: 13 Feb 2019 12:57

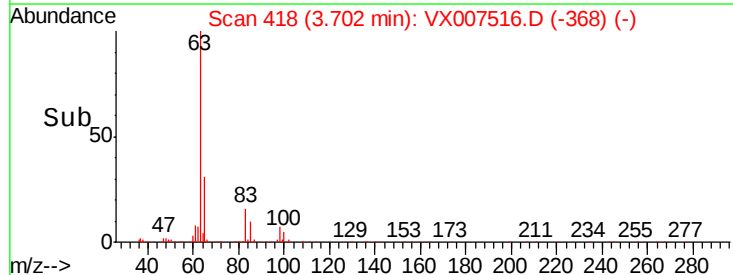
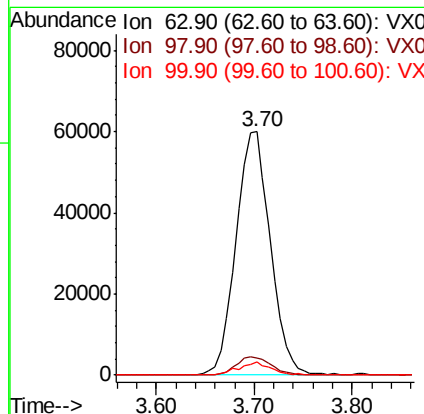
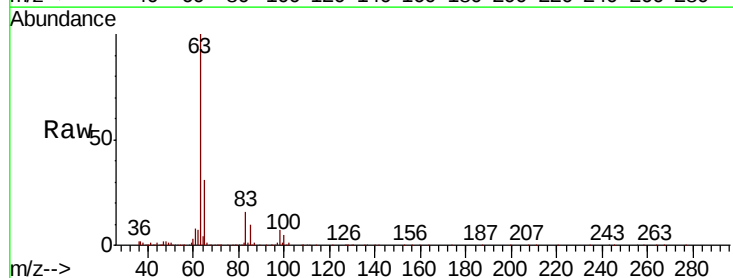
Tgt Ion: 63 Resp: 145460

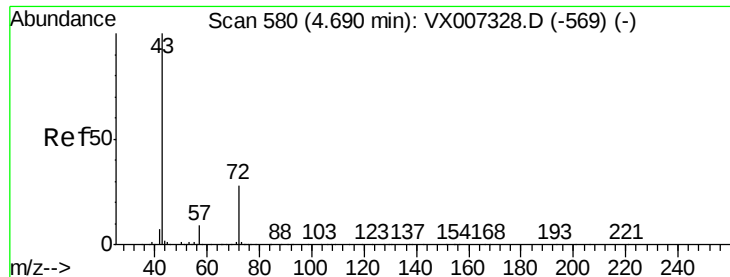
Ion Ratio Lower Upper

63 100

98 7.0 3.6 10.8

100 5.1 2.5 7.4





#25

2-Butanone

Concen: 105.617 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.01 min

Lab File: VX007516.D

Acq: 13 Feb 2019 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0214MBS01

Tot Ion: 43 Resp: 338078

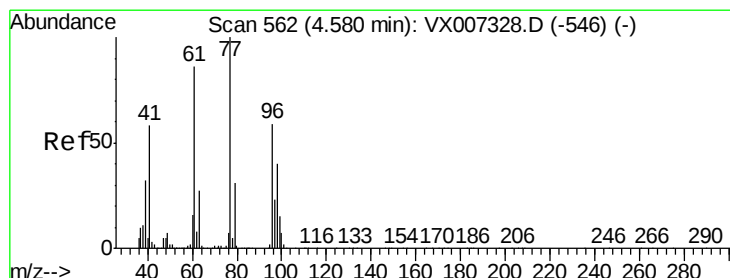
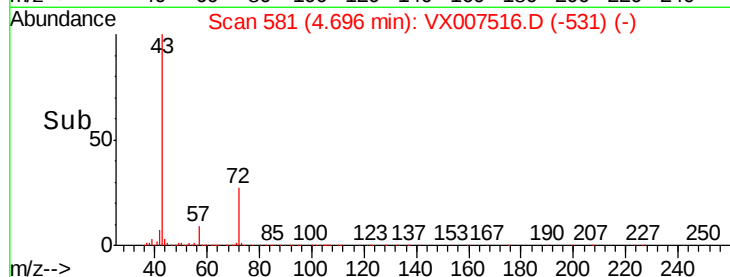
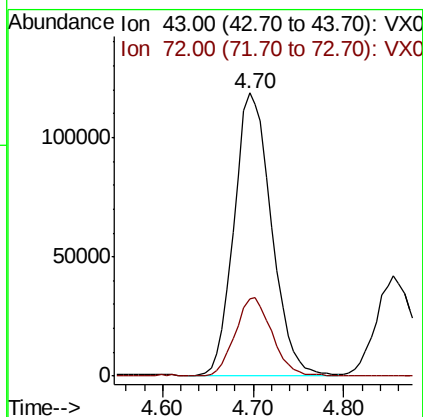
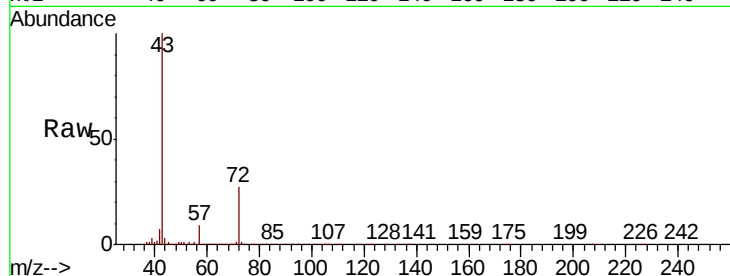
Ion Ratio Lower Upper

43 100

72 27.2 22.2 33.2

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 18.612 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX007516.D

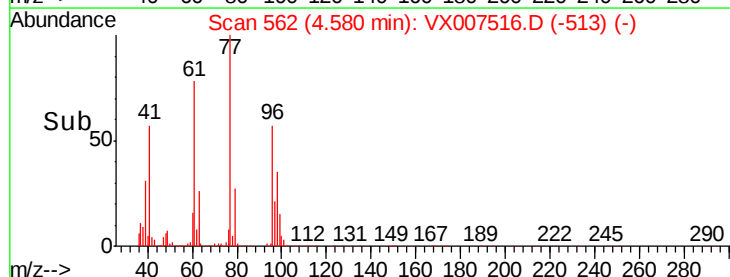
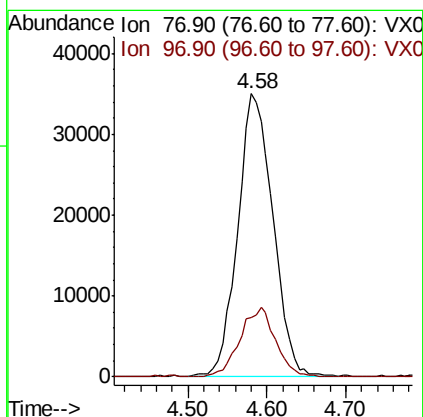
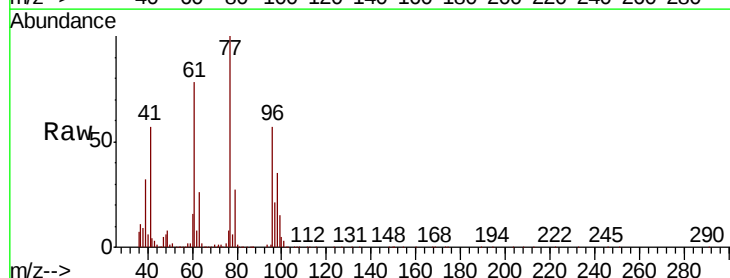
Acq: 13 Feb 2019 12:57

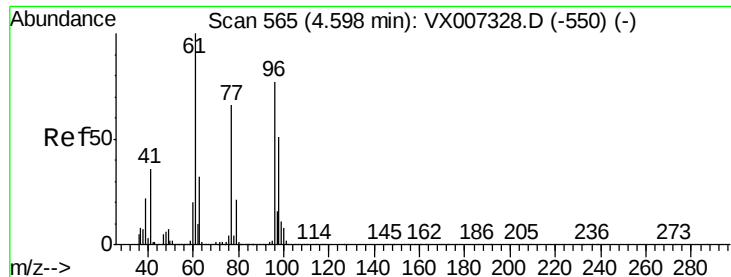
Tgt Ion: 77 Resp: 107760

Ion Ratio Lower Upper

77 100

97 25.0 12.1 36.3





#27

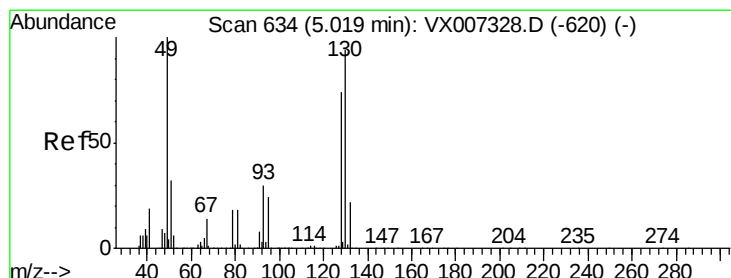
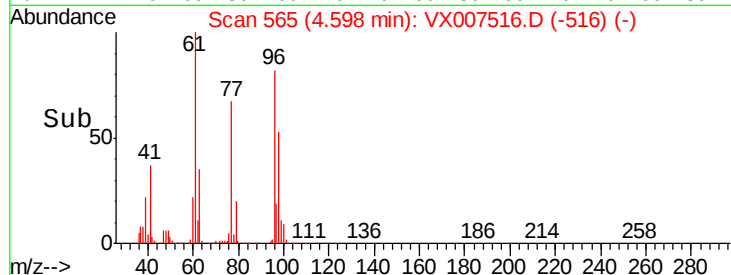
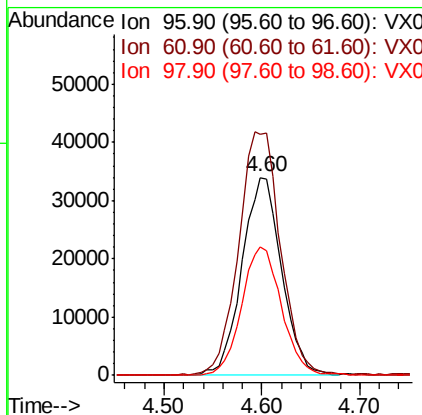
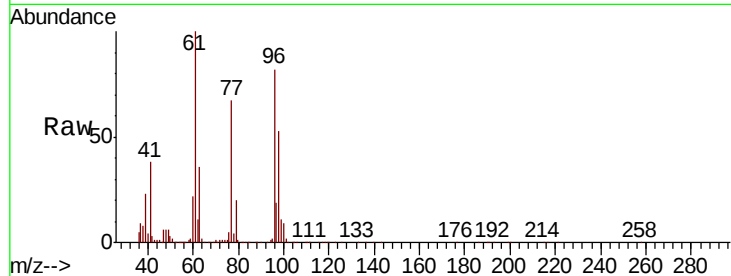
cis-1,2-Dichloroethene
Concen: 18.564 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007516.D
Acq: 13 Feb 2019 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0214MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.5	0.0	265.6
98	64.6	0.0	131.6

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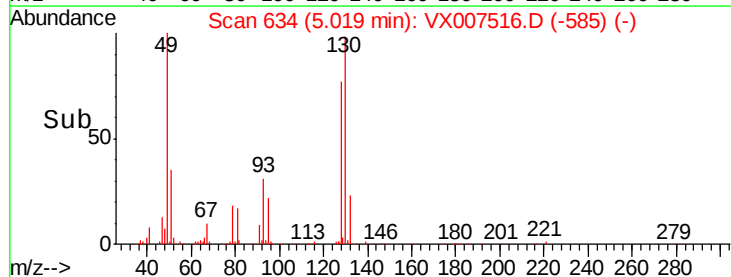
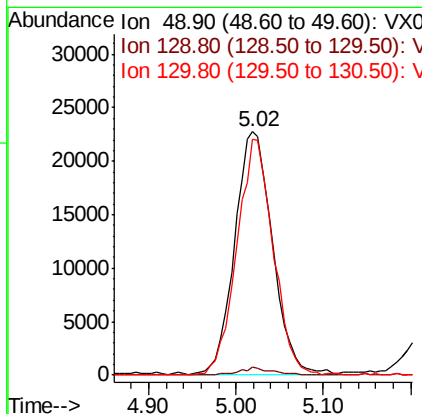
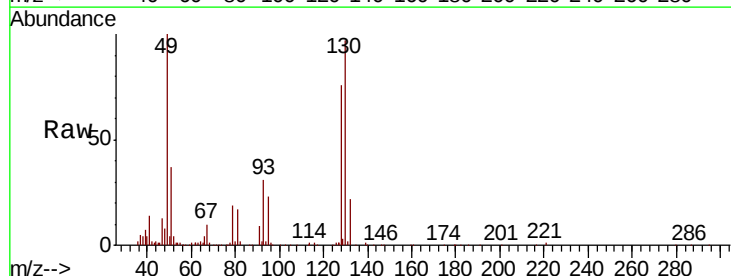
MMDadoda
2/14/2019 10:48:12 AM



#28

Bromochloromethane
Concen: 19.394 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX007516.D
Acq: 13 Feb 2019 12:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.6
130	93.6	75.6	113.4





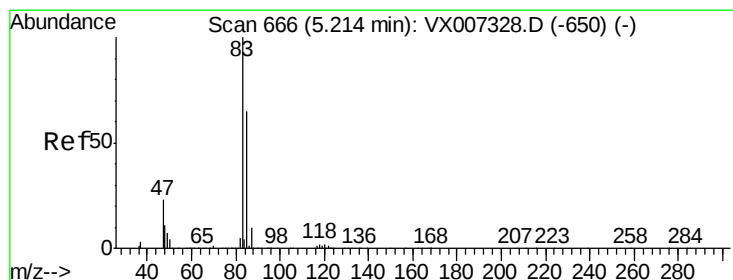
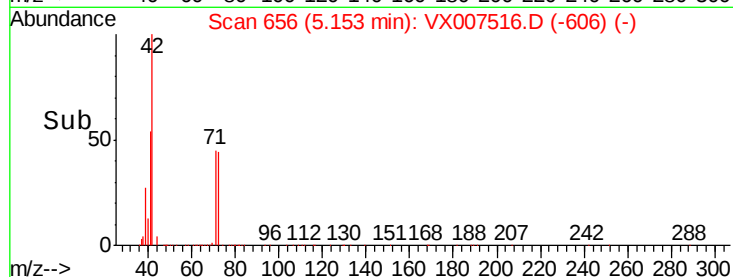
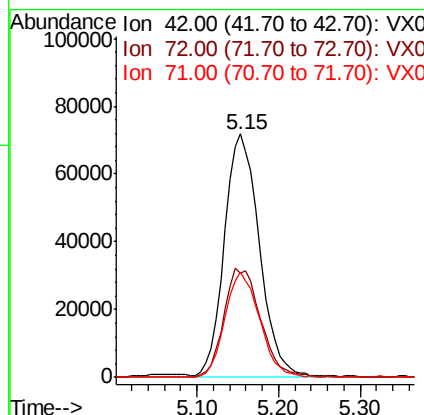
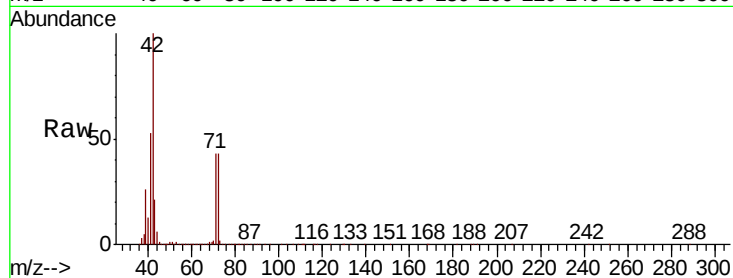
#29
Tetrahydrofuran
Concen: 105.735 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.01 min
Lab File: VX007516.D
Acq: 13 Feb 2019 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0214MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.6	37.6	56.4
71	42.7	34.6	51.8

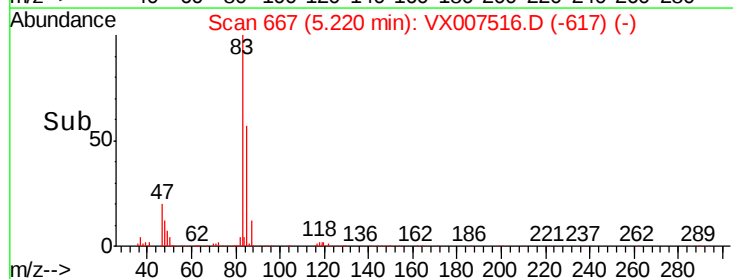
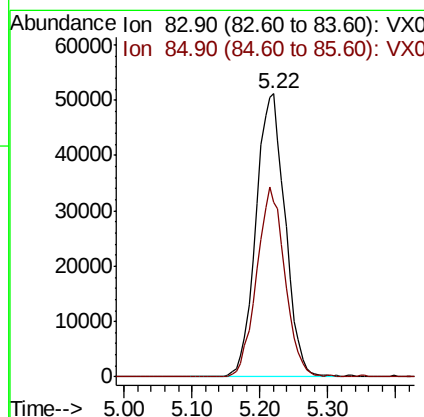
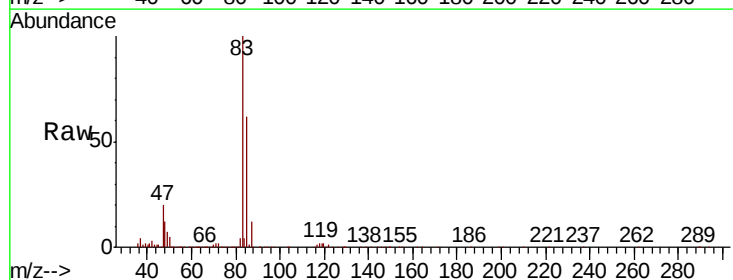
Manual Integrations
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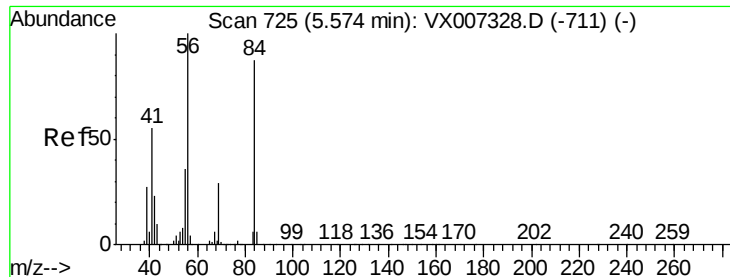
MMDadoda
2/14/2019 10:48:12 AM



#30
Chloroform
Concen: 19.295 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX007516.D
Acq: 13 Feb 2019 12:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.3	51.6	77.4





#31

Cyclohexane

Concen: 17.572 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX007516.D

Acq: 13 Feb 2019 12:57

Instrument :

MSVOA_X

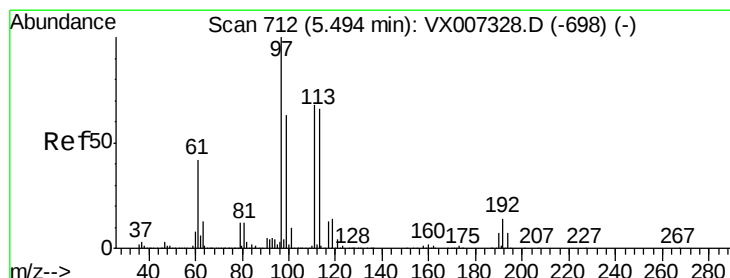
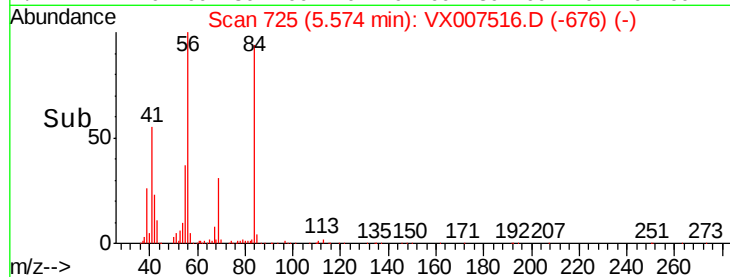
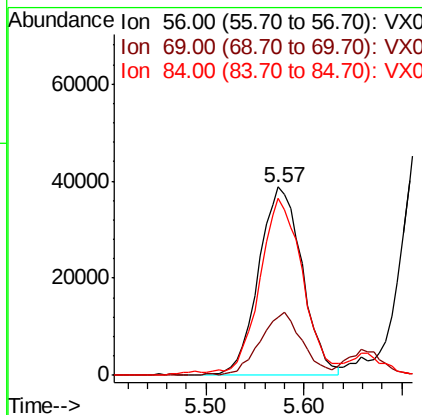
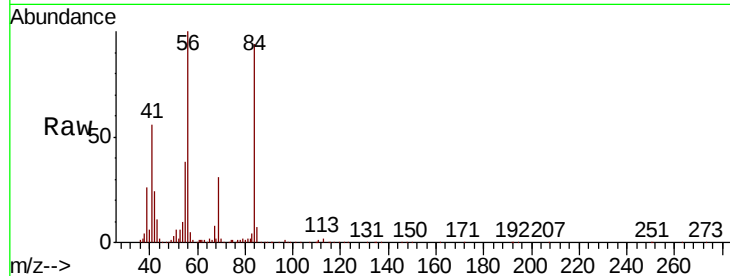
ClientSampleId :

VX0214MBS01

Tot Ion:	56	Resp:	119981
Ion Ratio	Lower	Upper	
56	100		
69	31.0	23.0	34.6
84	92.3	69.8	104.6

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#32

1,1,1-Trichloroethane

Concen: 19.616 ug/l

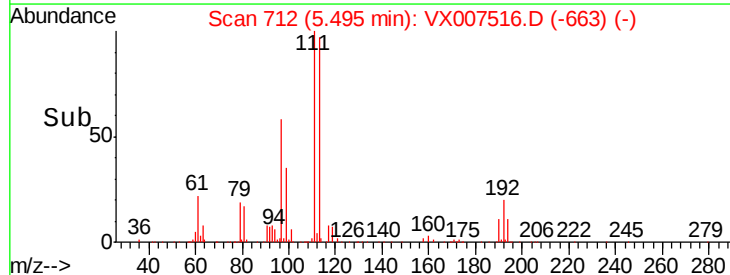
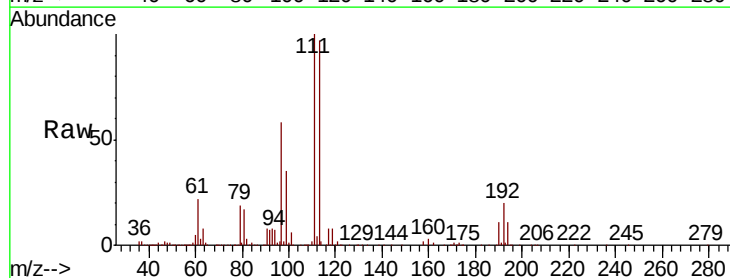
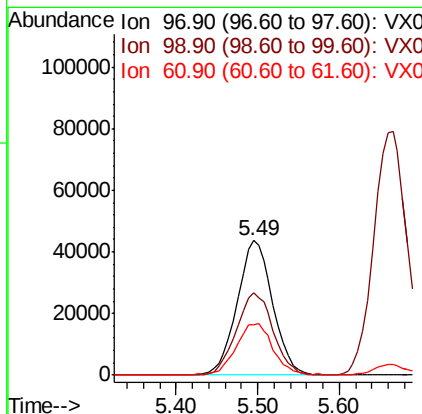
RT: 5.49 min Scan# 712

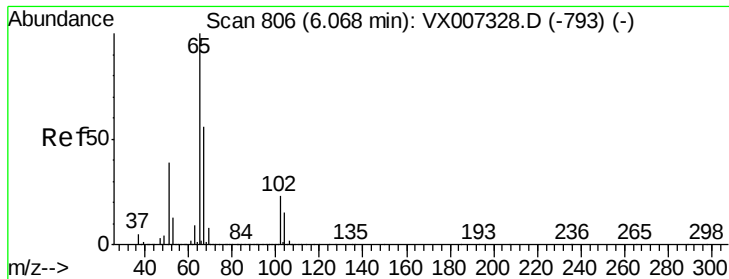
Delta R.T. 0.00 min

Lab File: VX007516.D

Acq: 13 Feb 2019 12:57

Tgt Ion:	97	Resp:	131355
Ion Ratio	Lower	Upper	
97	100		
99	63.6	52.2	78.2
61	39.4	32.7	49.1





#33

1,2-Dichloroethane-d4

Concen: 51.939 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007516.D

Acq: 13 Feb 2019 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0214MBS01

Tot Ion: 65 Resp: 255036

Ion Ratio Lower Upper

65 100

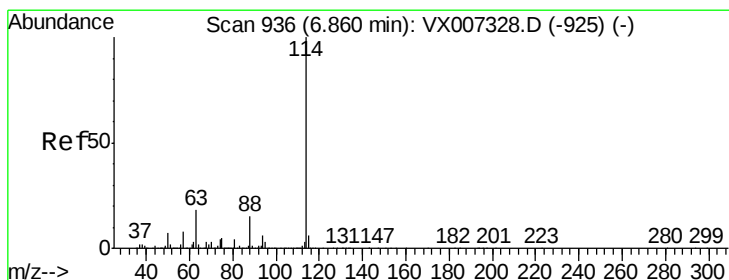
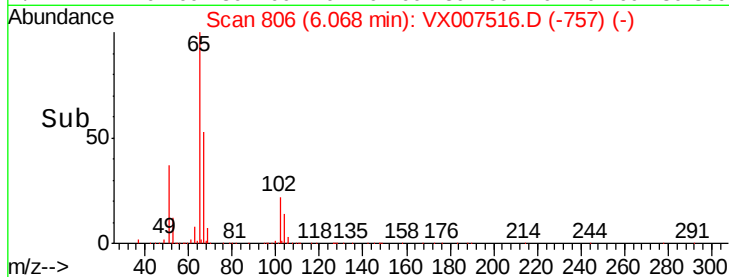
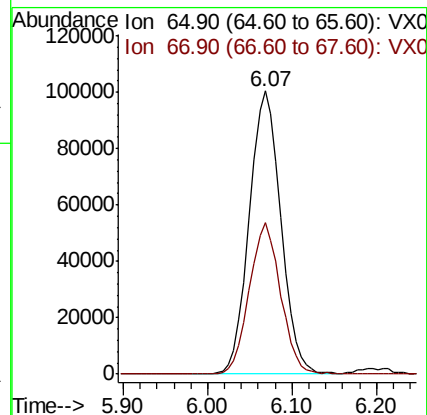
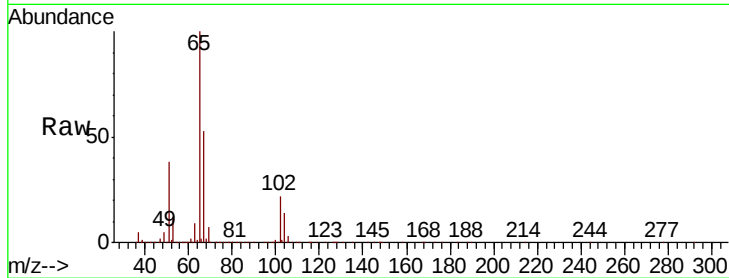
67 53.0 0.0 108.8

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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: VX007516.D

Acq: 13 Feb 2019 12:57

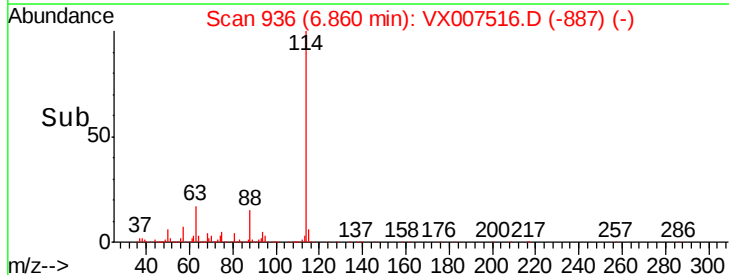
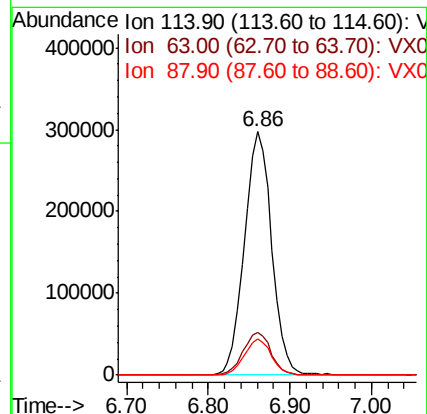
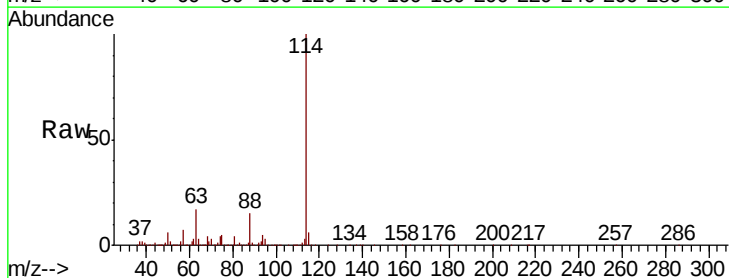
Tgt Ion: 114 Resp: 689813

Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.6

88 15.1 0.0 29.6





#35

Dibromofluoromethane

Concen: 51.149 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.00 min

Lab File: VX007516.D

Acq: 13 Feb 2019 12:57

Instrument :

MSVOA_X

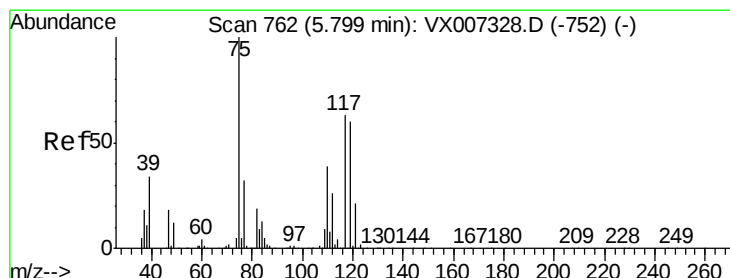
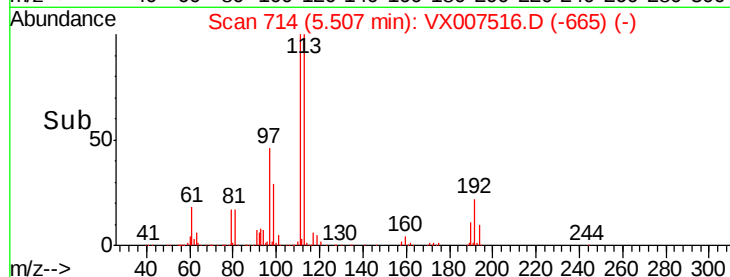
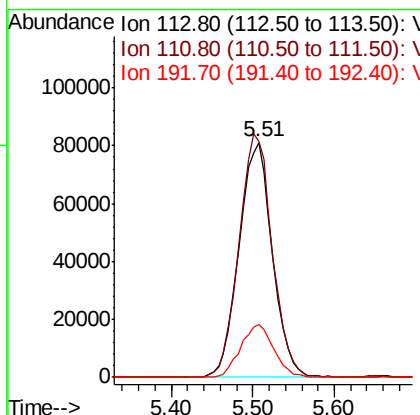
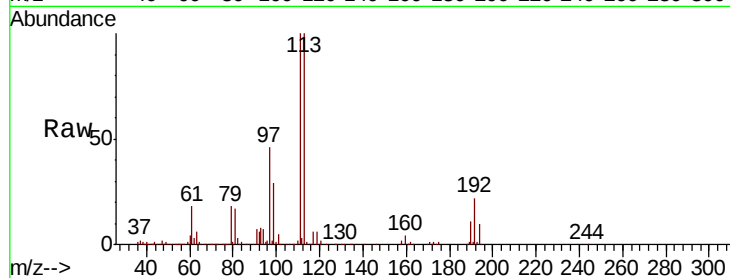
ClientSampleId :

VX0214MBS01

Tot Ion:	113	Resp:	229576
Ion Ratio	Lower	Upper	
113	100		
111	103.2	81.8	122.8
192	22.5	18.5	27.7

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#36

1,1-Dichloropropene

Concen: 17.020 ug/l

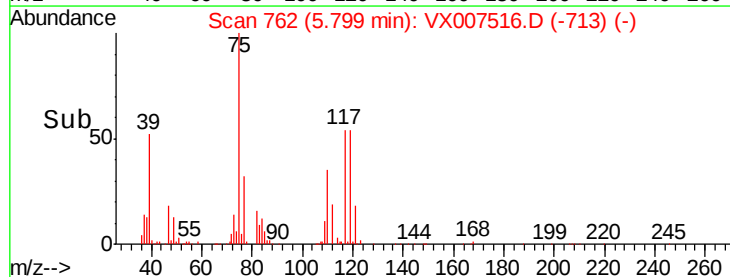
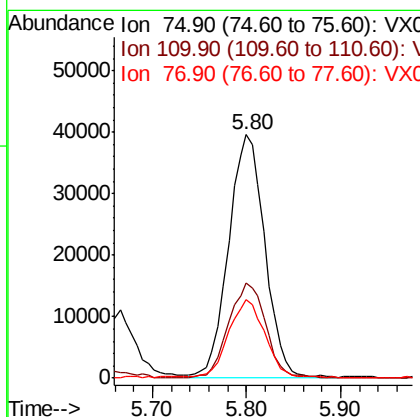
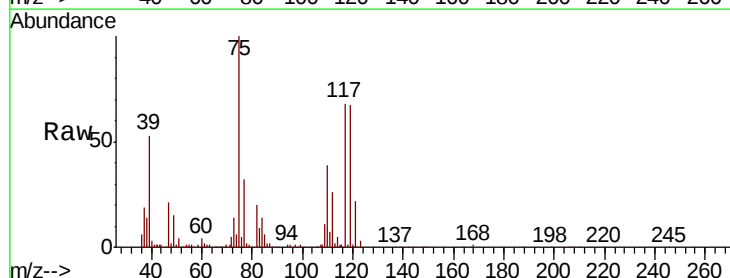
RT: 5.80 min Scan# 762

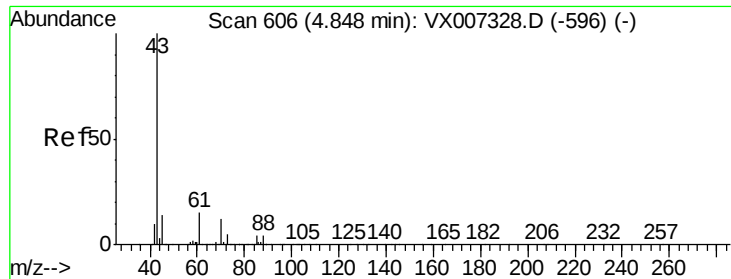
Delta R.T. 0.00 min

Lab File: VX007516.D

Acq: 13 Feb 2019 12:57

Tgt Ion:	75	Resp:	105341
Ion Ratio	Lower	Upper	
75	100		
110	40.4	20.0	59.9
77	32.7	24.7	37.1





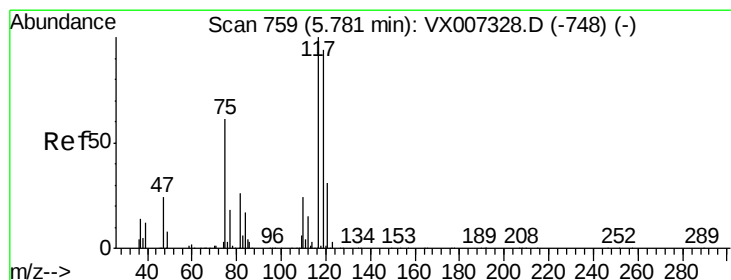
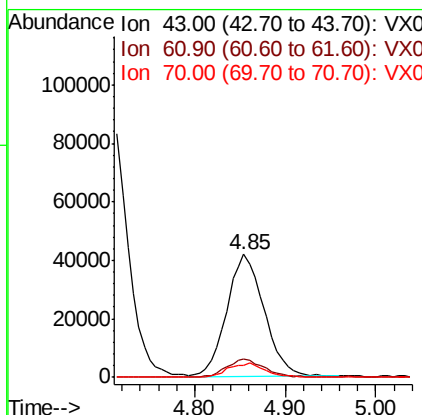
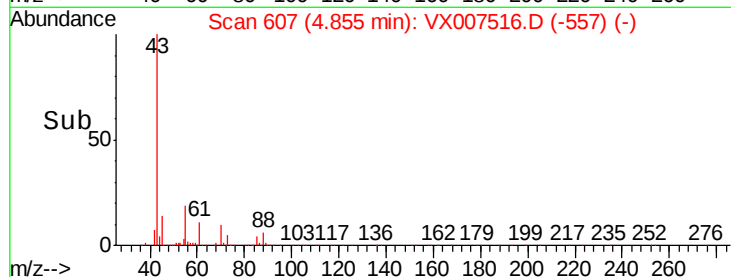
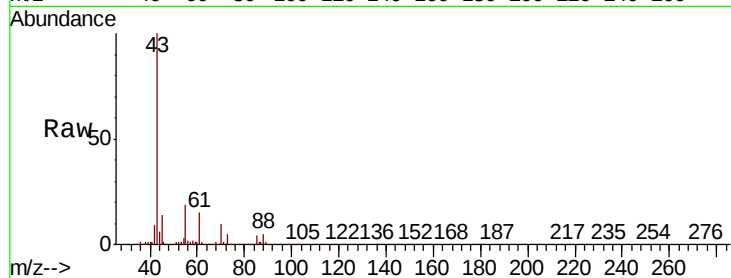
#37
Ethyl Acetate
Concen: 19.106 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX007516.D
Acq: 13 Feb 2019 12:57

Instrument :
MSVOA_X
ClientSampleID :
VX0214MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.3	16.9
70	11.6	8.6	13.0

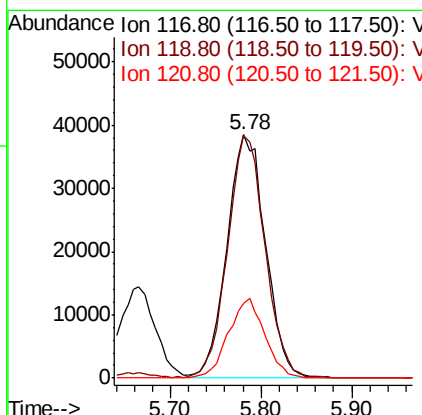
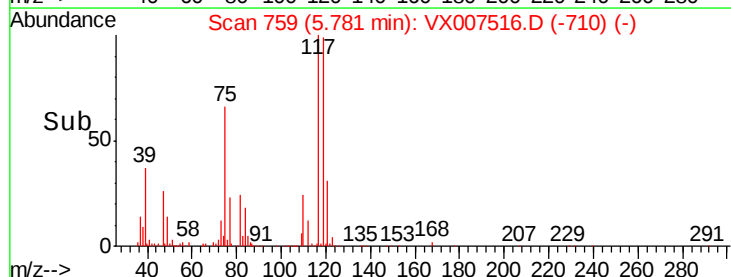
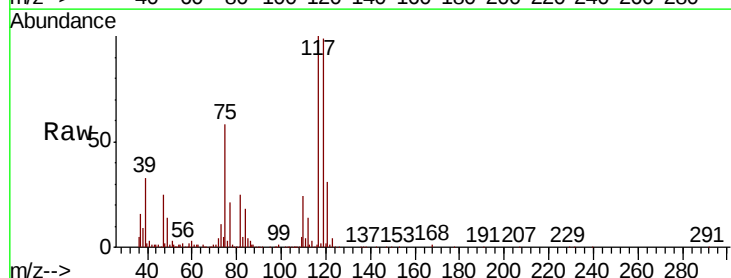
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#38
Carbon Tetrachloride
Concen: 18.783 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX007516.D
Acq: 13 Feb 2019 12:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.3	75.3	112.9
121	30.3	25.0	37.4





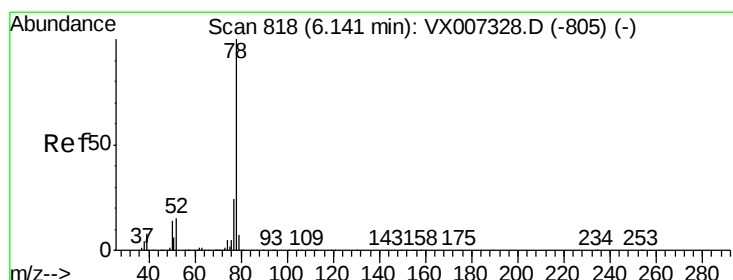
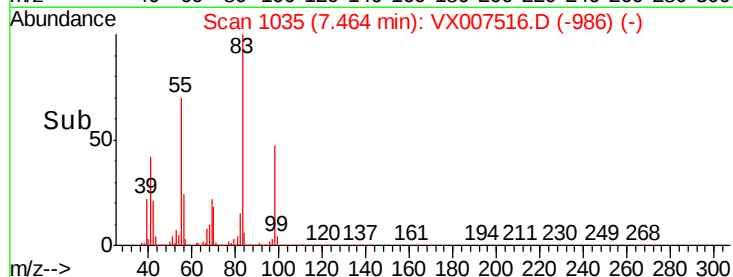
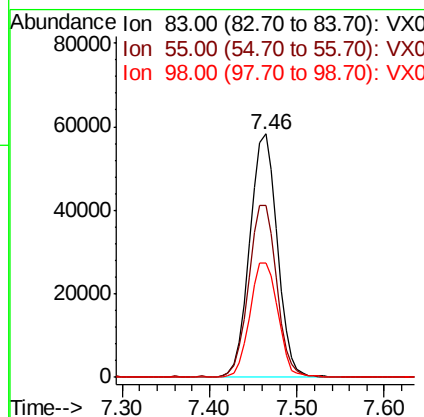
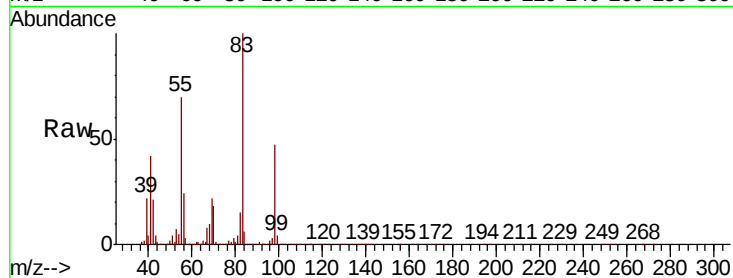
#39
Methvlcvclohexane
Concen: 17.116 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX007516.D
Acq: 13 Feb 2019 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0214MBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	128168		
55	70.4		56.2	84.2
98	46.8		36.8	55.2

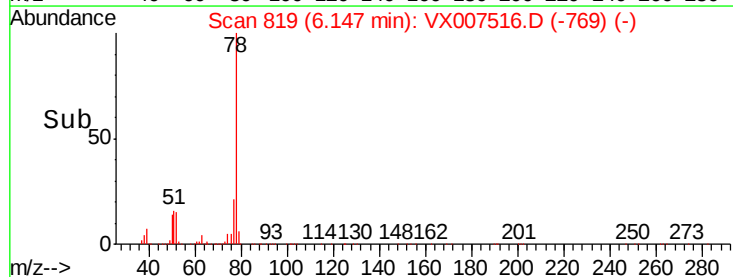
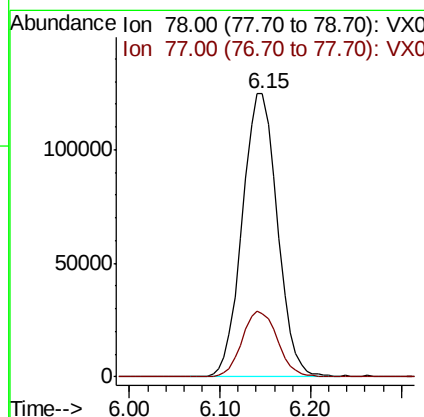
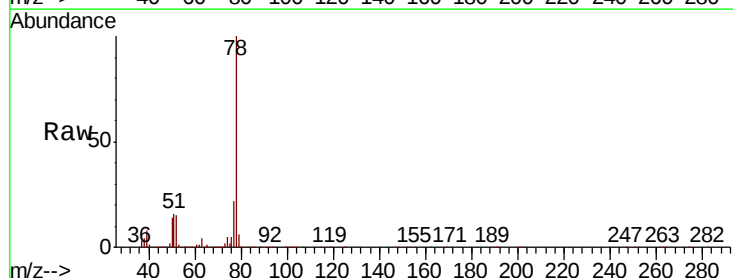
Manual Integrations
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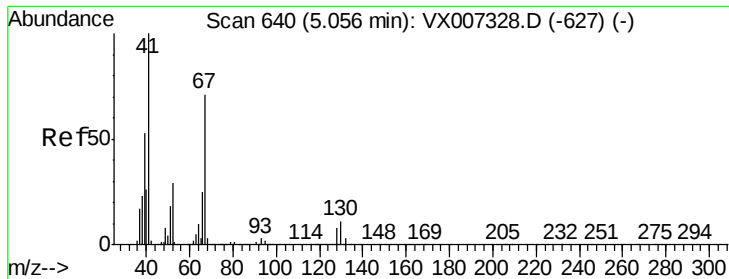
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#40
Benzene
Concen: 18.356 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX007516.D
Acq: 13 Feb 2019 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	334657		
77	22.4		19.3	28.9





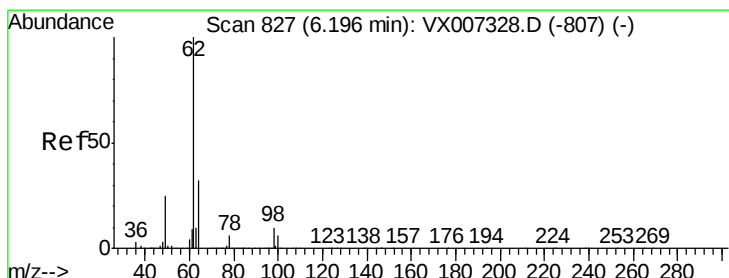
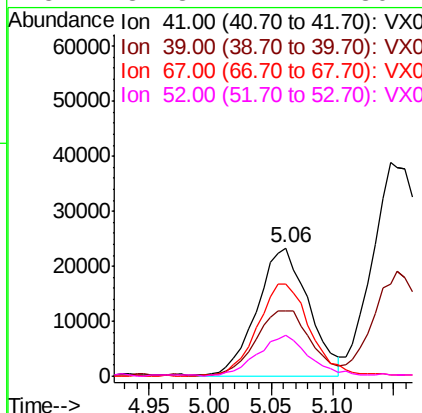
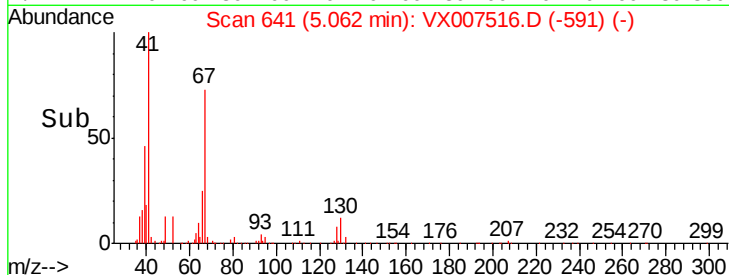
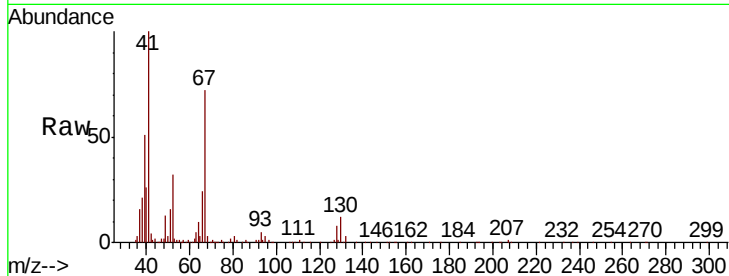
#41
Methacrylonitrile
Concen: 20.285 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX007516.D
Acq: 13 Feb 2019 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0214MBS01

Tot Ion	Ion	Ratio	Lower	Upper
68019	41	100		
	39	52.8	44.5	66.7
	67	74.5	60.4	90.6
	52	31.3	24.1	36.1

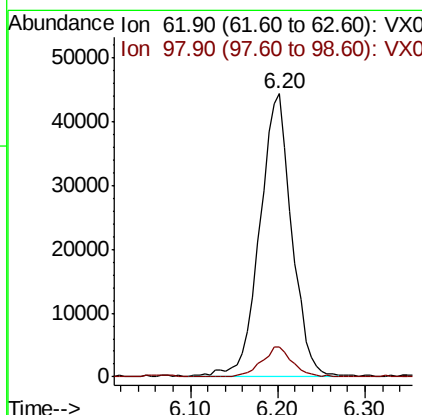
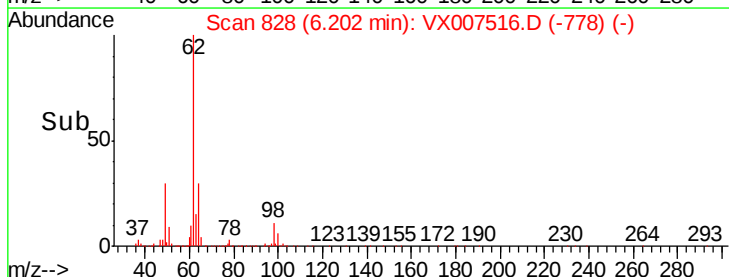
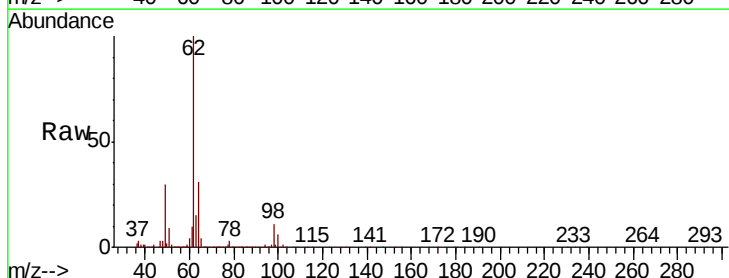
Manual Integrations
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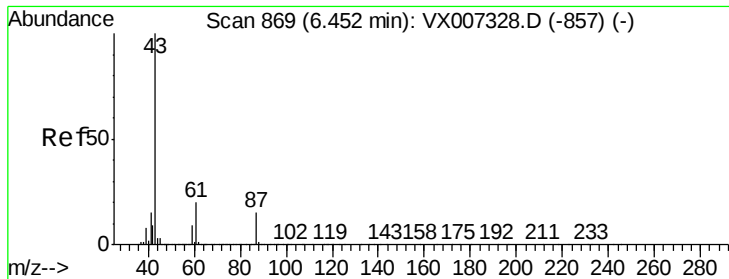
MMDadoda
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#42
1,2-Dichloroethane
Concen: 17.887 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX007516.D
Acq: 13 Feb 2019 12:57

Tgt Ion	Ion	Ratio	Lower	Upper
112833	62	100		
	98	10.4	0.0	19.0





#43

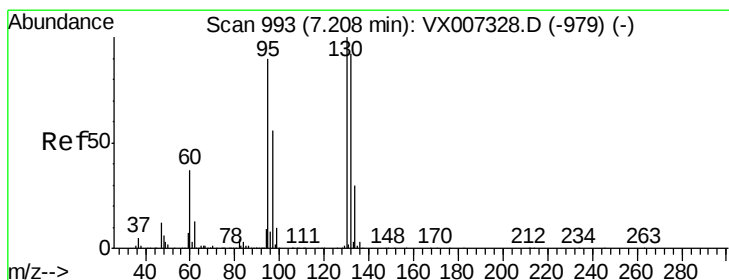
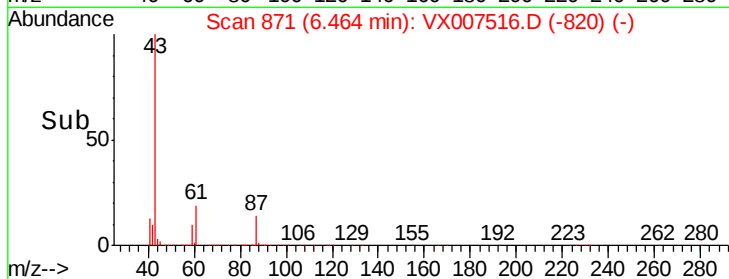
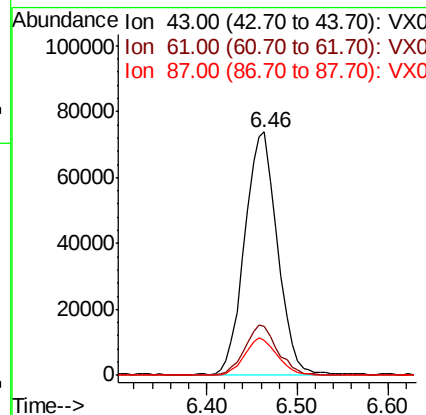
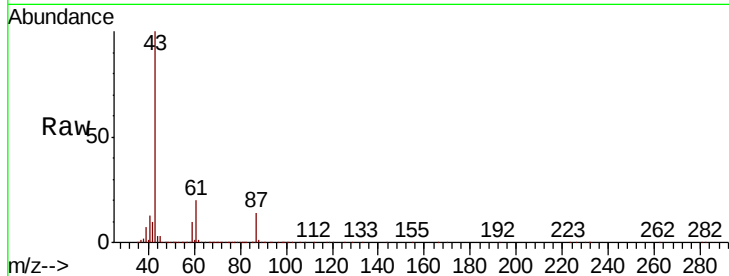
Isopropyl Acetate
 Concen: 19.011 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.01 min
 Lab File: VX007516.D
 Acq: 13 Feb 2019 12:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.7	16.1	24.1
87	15.1	11.5	17.3

Manual Integrations
 APPROVED

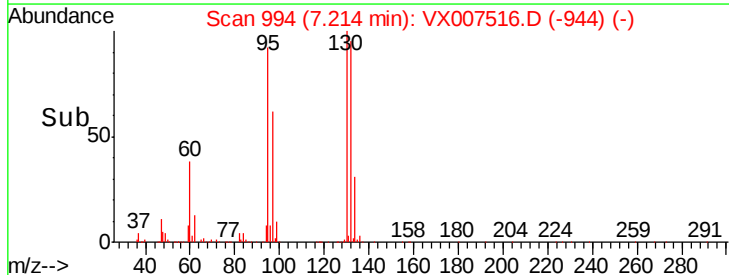
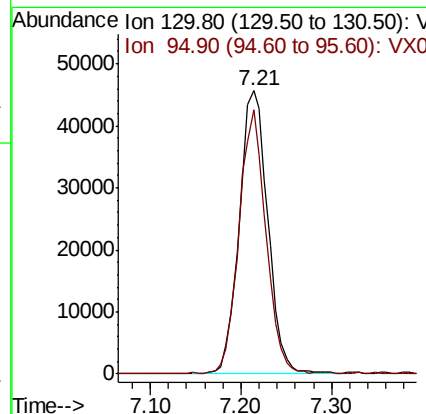
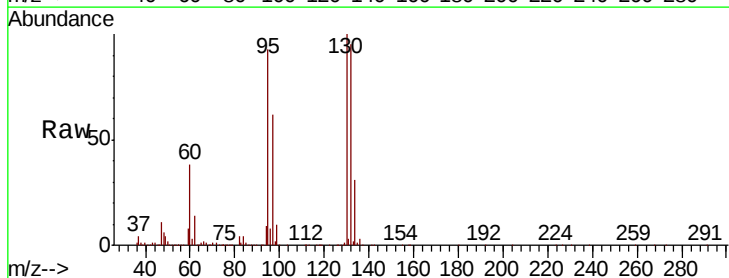
MMDadoda
 2/14/2019 10:48:12 AM

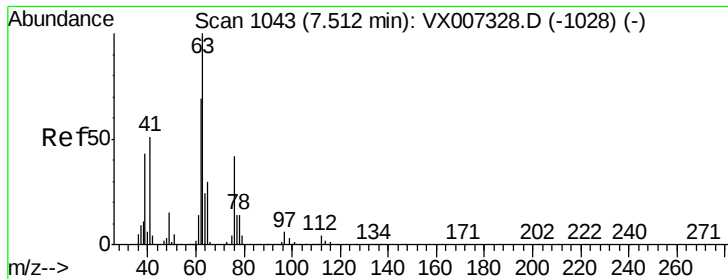


#44

Trichloroethene
 Concen: 18.136 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX007516.D
 Acq: 13 Feb 2019 12:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.8	0.0	180.0





#45

1,2-Dichloropropane

Concen: 18.446 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX007516.D

Acq: 13 Feb 2019 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0214MBS01

Tot Ion: 63 Resp: 84261

Ion Ratio Lower Upper

63 100

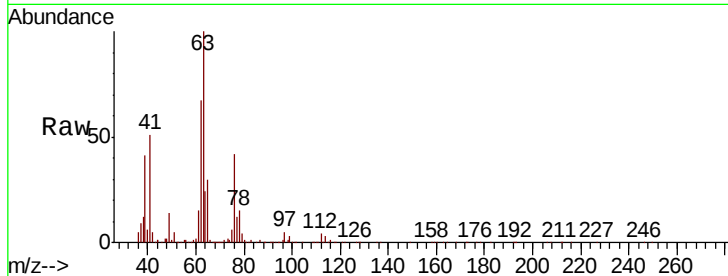
65 30.0 24.2 36.2

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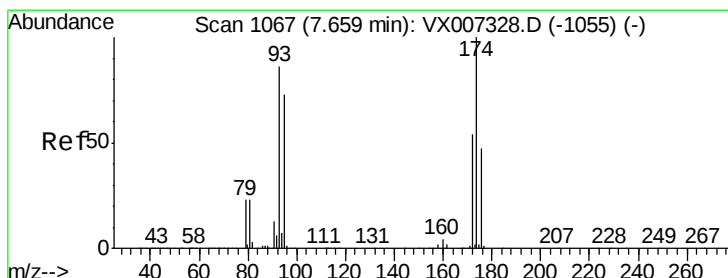
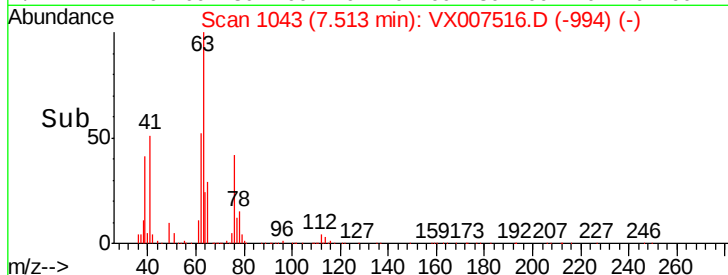
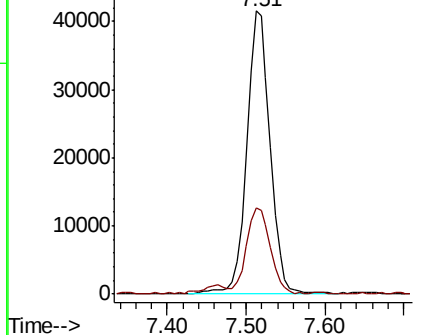
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 18.401 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX007516.D

Acq: 13 Feb 2019 12:57

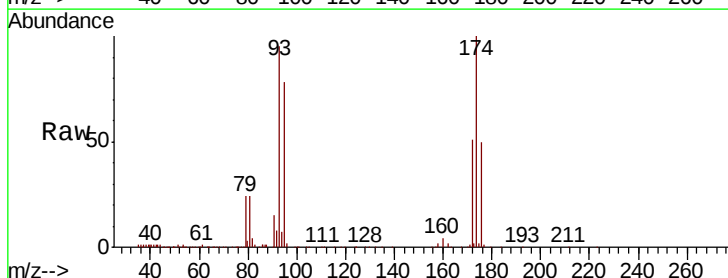
Tgt Ion: 93 Resp: 61094

Ion Ratio Lower Upper

93 100

95 82.8 67.6 101.4

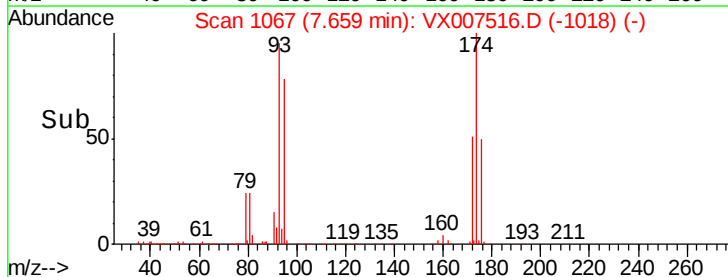
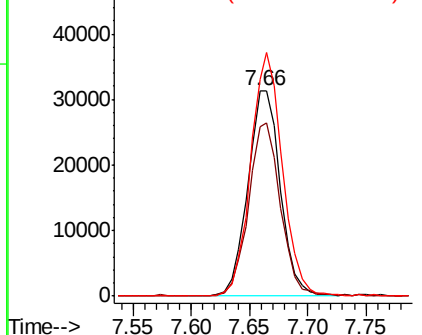
174 115.3 94.2 141.4

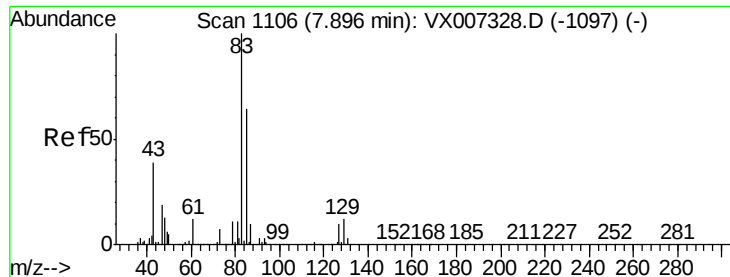


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.860 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX007516.D

Acq: 13 Feb 2019 12:57

Instrument :

MSVOA_X

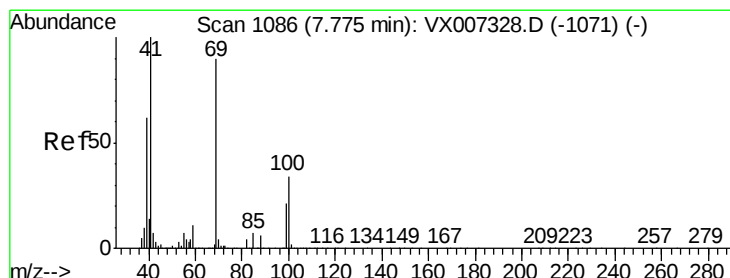
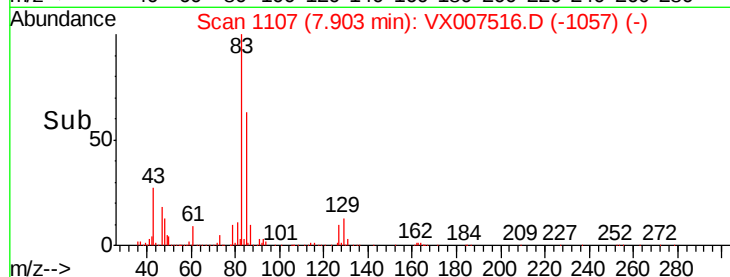
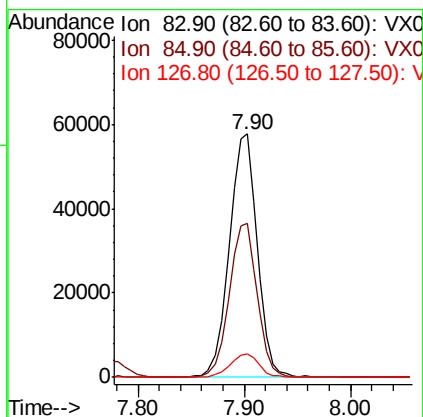
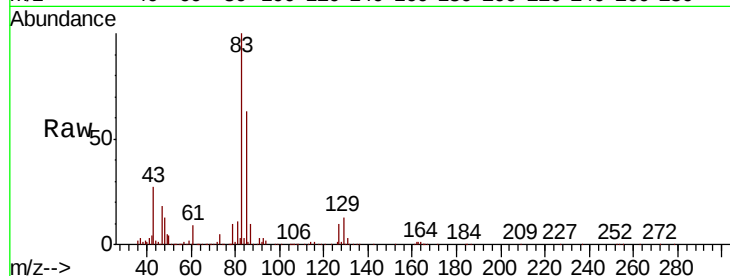
ClientSampleId :

VX0214MBS01

Tot Ion:	83	Resp:	106123
Ion Ratio	Lower	Upper	
83	100		
85	63.1	51.4	77.0
127	9.6	8.1	12.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.726 ug/l

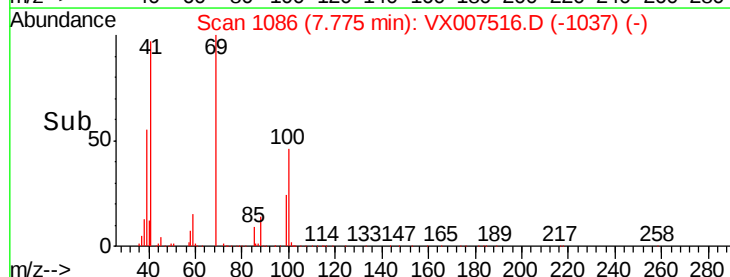
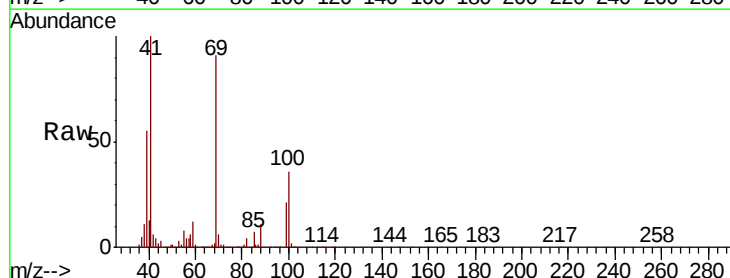
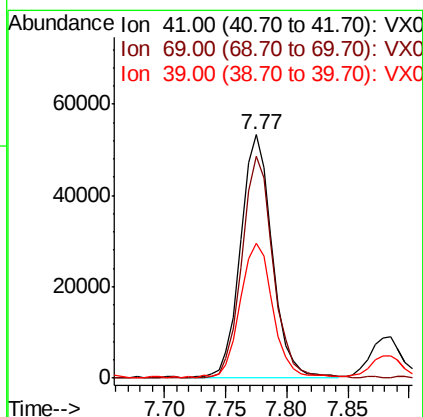
RT: 7.77 min Scan# 1086

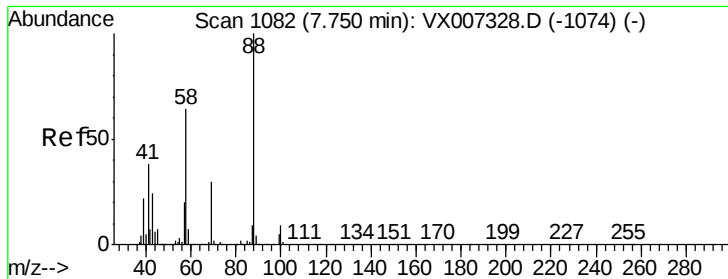
Delta R.T. 0.00 min

Lab File: VX007516.D

Acq: 13 Feb 2019 12:57

Tgt Ion:	41	Resp:	95286
Ion Ratio	Lower	Upper	
41	100		
69	90.2	70.2	105.4
39	56.6	47.4	71.0





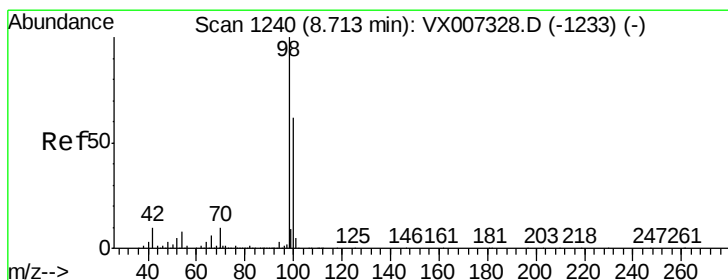
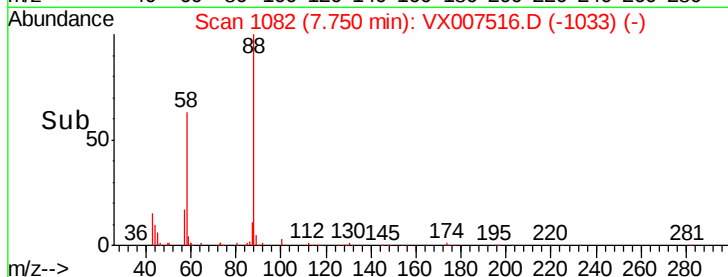
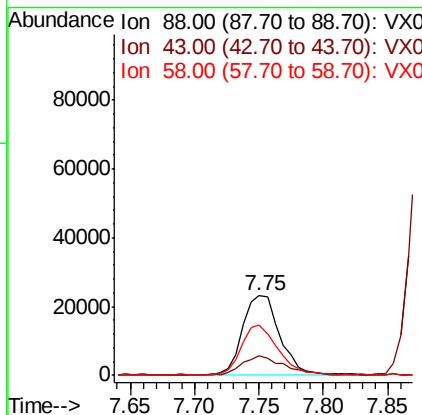
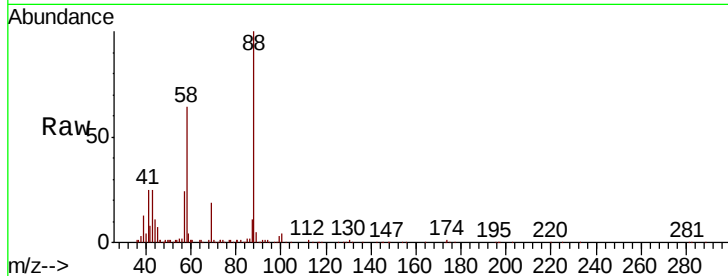
#49
1,4-Dioxane
Concen: 428.297 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007516.D
Acq: 13 Feb 2019 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0214MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.7	24.2	36.4
58	63.0	53.0	79.4

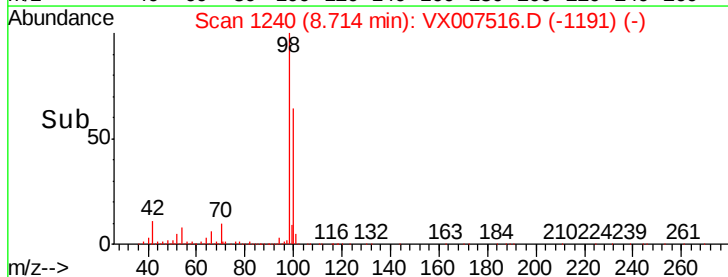
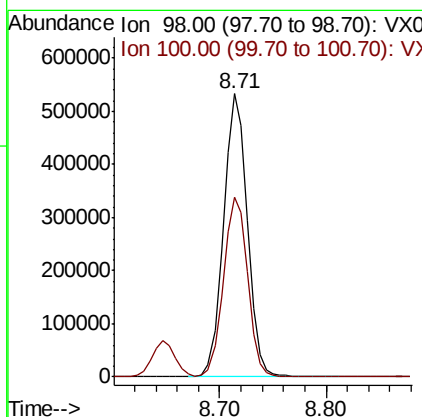
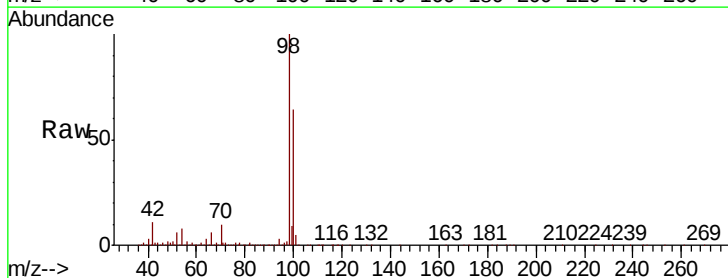
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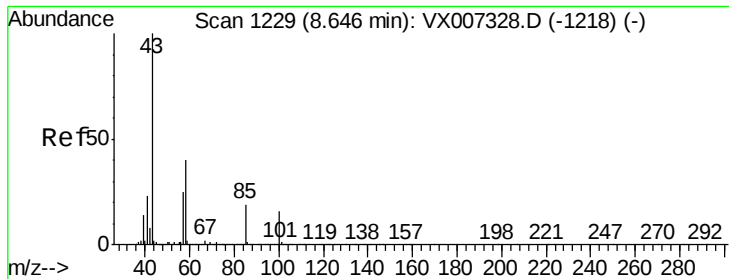
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#50
Toluene-d8
Concen: 49.785 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007516.D
Acq: 13 Feb 2019 12:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.6	77.4





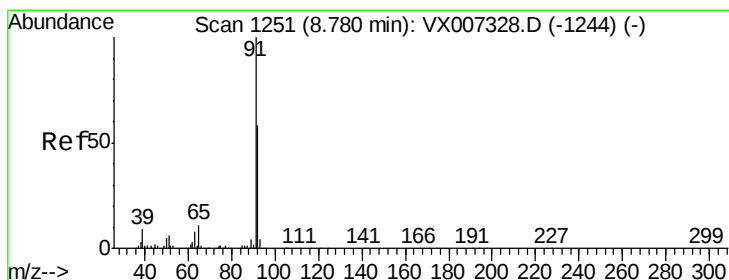
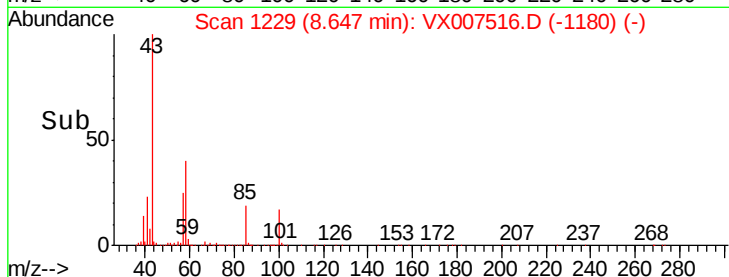
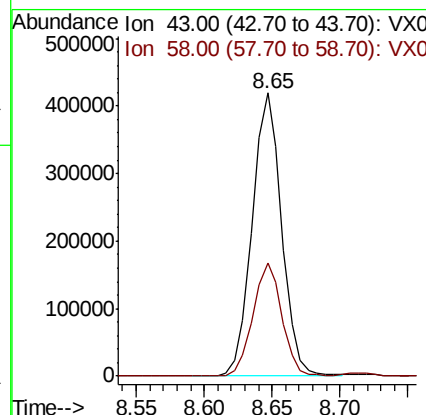
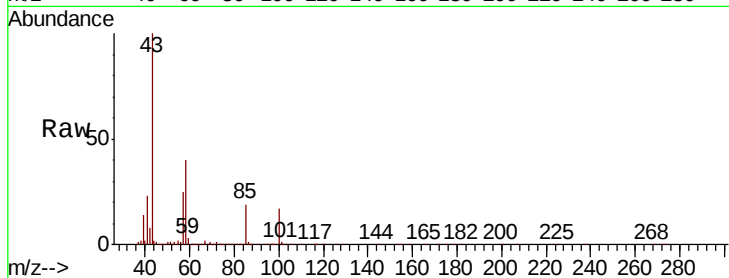
#51
4-Methyl-2-Pentanone
Concen: 99.894 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX007516.D
Acq: 13 Feb 2019 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0214MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.3	31.2	46.8

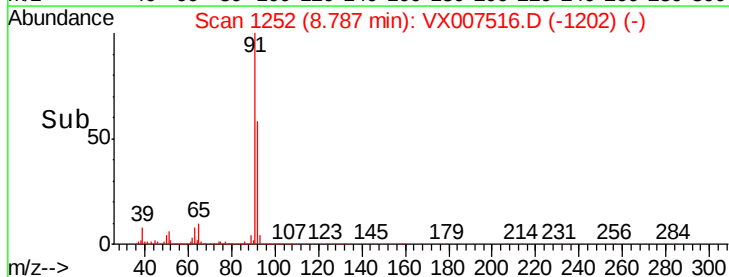
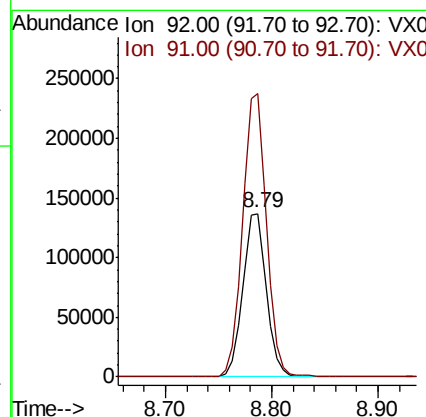
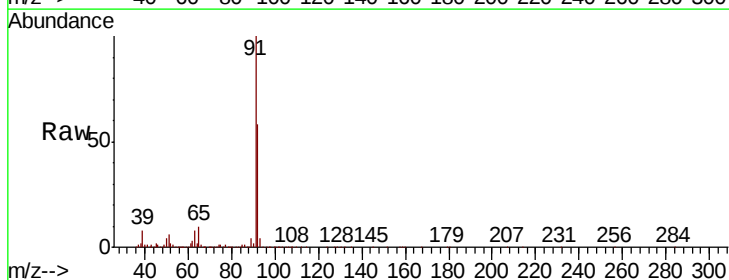
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#52
Toluene
Concen: 18.110 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.01 min
Lab File: VX007516.D
Acq: 13 Feb 2019 12:57

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.9	139.1	208.7





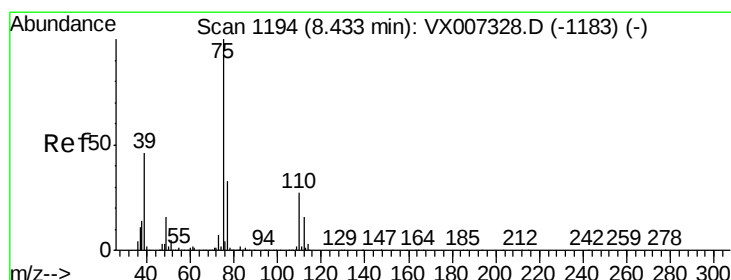
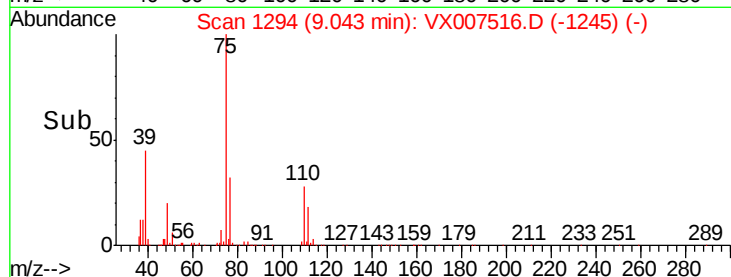
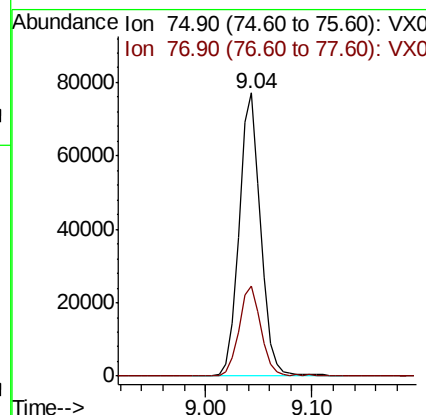
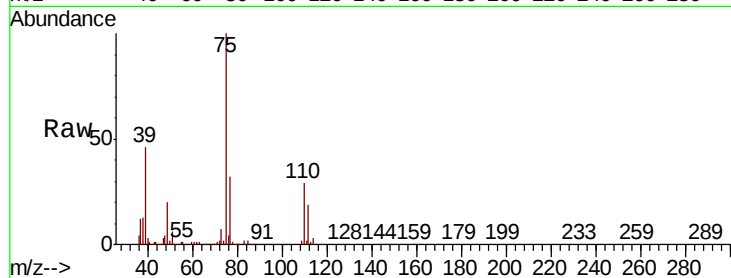
#53
t-1,3-Dichloropropene
Concen: 18.082 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX007516.D
Acq: 13 Feb 2019 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0214MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.2	37.8

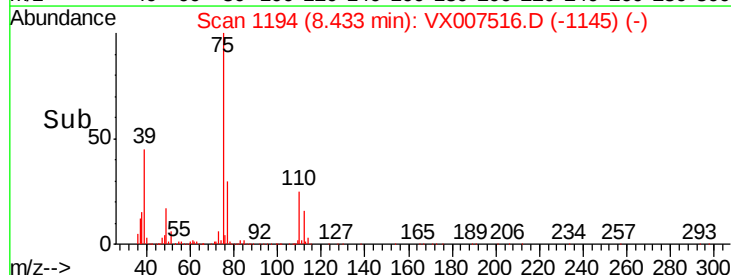
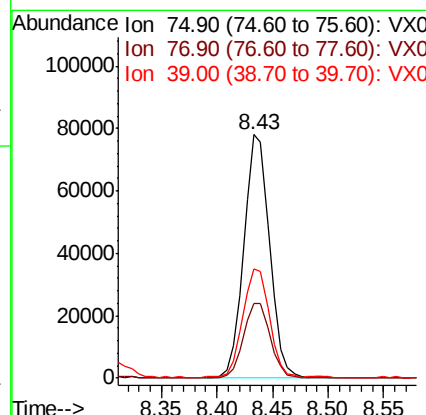
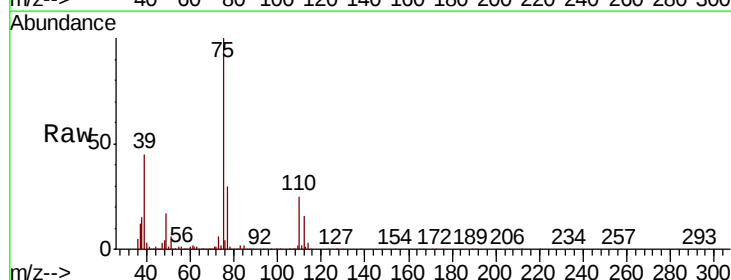
Manual Integrations
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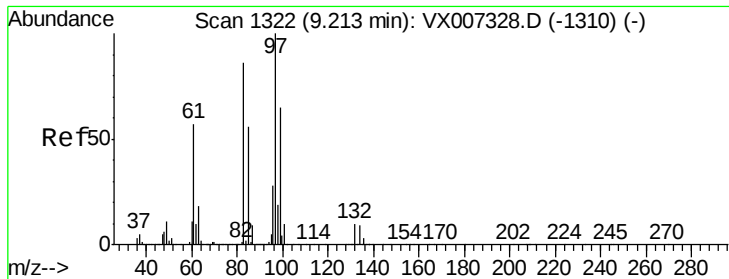
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#54
cis-1,3-Dichloropropene
Concen: 18.849 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX007516.D
Acq: 13 Feb 2019 12:57

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.4	26.2	39.4
39	44.6	37.1	55.7





#55

1,1,2-Trichloroethane

Concen: 18.582 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX007516.D

Acq: 13 Feb 2019 12:57

Instrument :

MSVOA_X

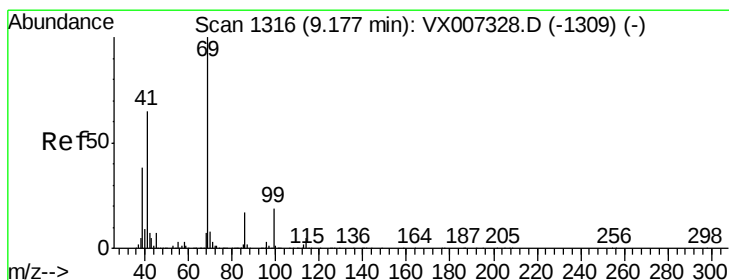
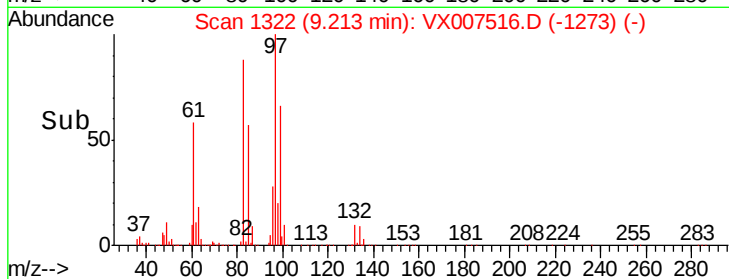
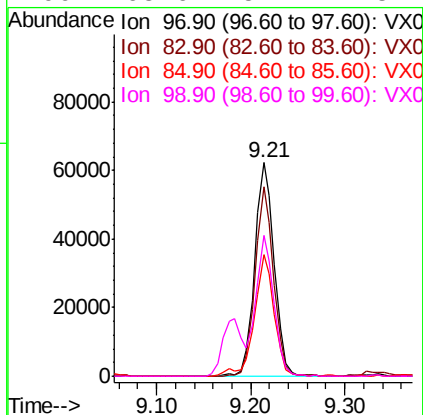
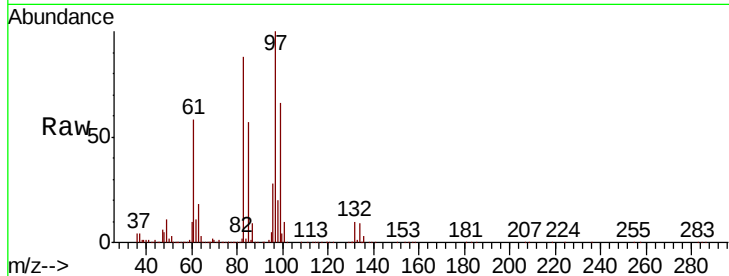
ClientSampleId :

VX0214MBS01

Tot Ion:	97	Resp:	91114
Ion	Ratio	Lower	Upper
97	100		
83	88.3	68.6	102.8
85	57.0	44.5	66.7
99	65.6	52.2	78.4

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#56

Ethyl methacrylate

Concen: 18.556 ug/l

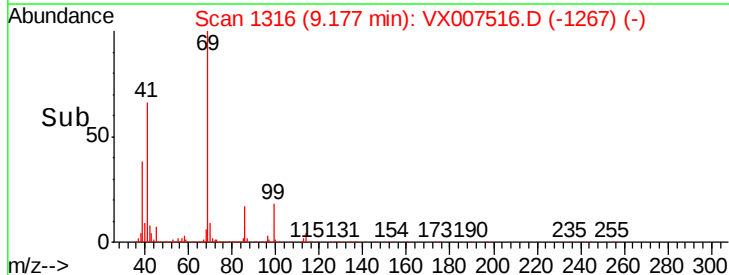
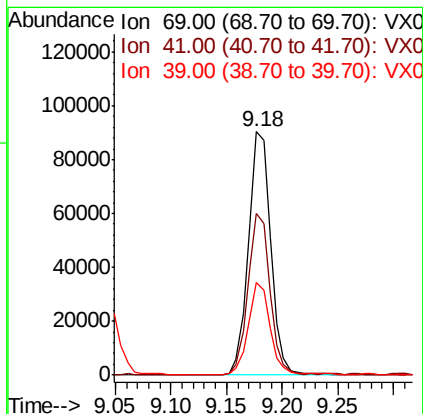
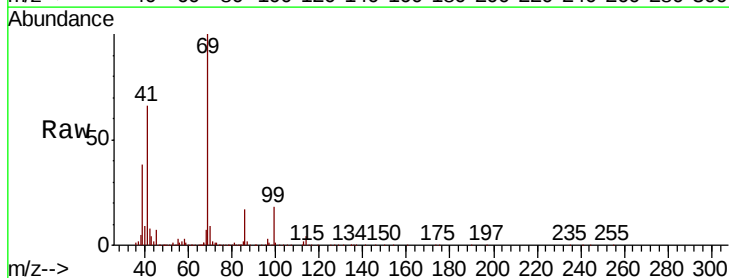
RT: 9.18 min Scan# 1316

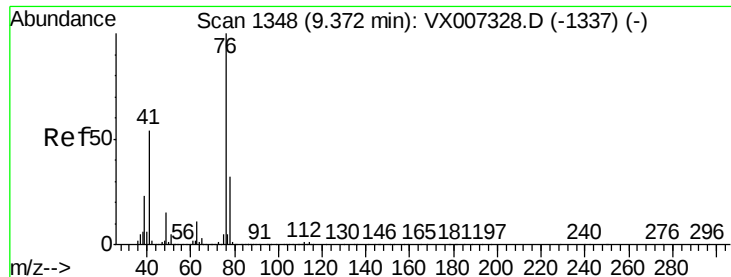
Delta R.T. 0.00 min

Lab File: VX007516.D

Acq: 13 Feb 2019 12:57

Tgt Ion:	69	Resp:	126019
Ion	Ratio	Lower	Upper
69	100		
41	64.6	52.1	78.1
39	36.5	30.1	45.1





#57

1,3-Dichloropropane

Concen: 18.592 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007516.D

Acq: 13 Feb 2019 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0214MBS01

Tot Ion: 76 Resp: 144976

Ion Ratio Lower Upper

76 100

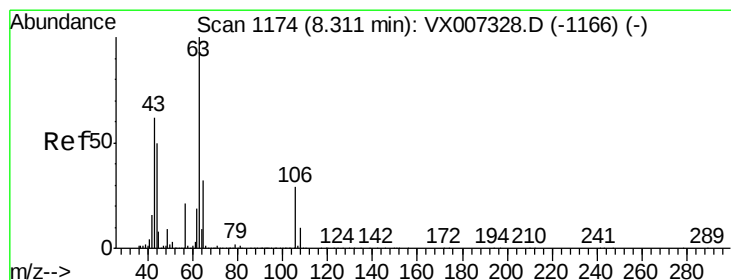
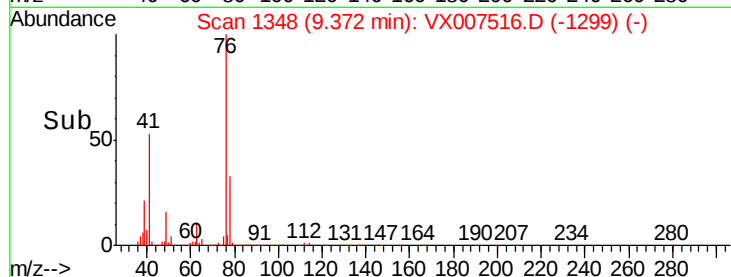
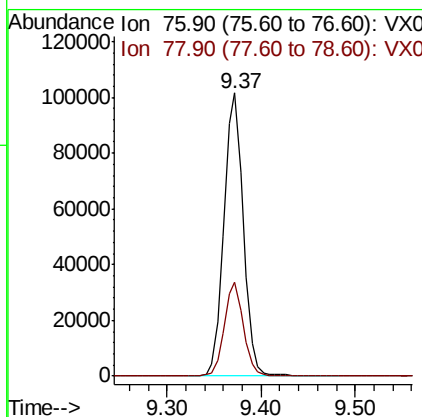
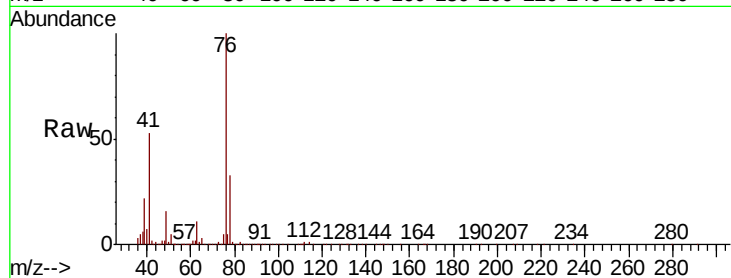
78 32.7 25.8 38.8

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#58

2-Chloroethyl Vinyl ether

Concen: 98.584 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007516.D

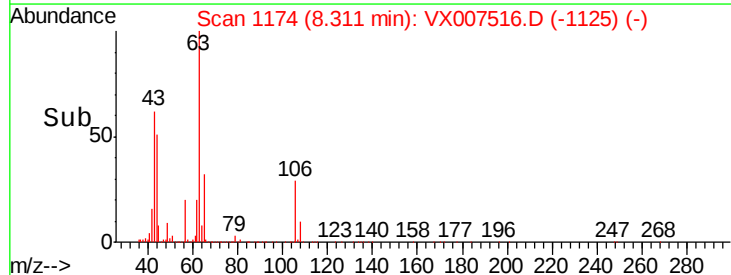
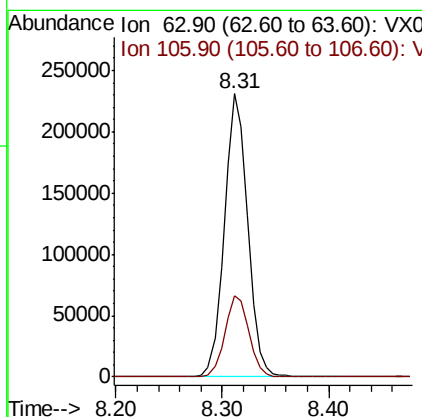
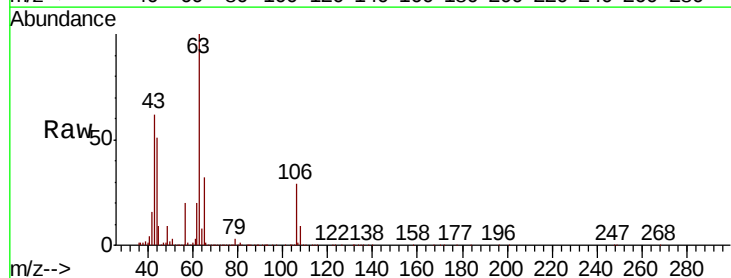
Acq: 13 Feb 2019 12:57

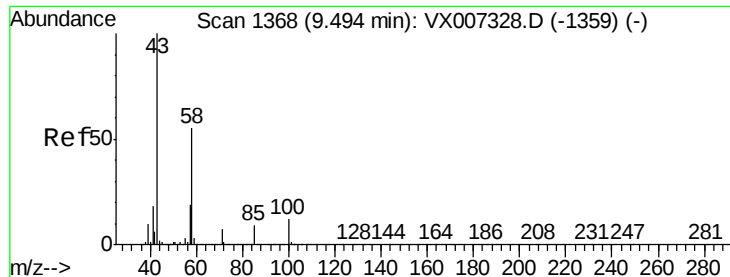
Tgt Ion: 63 Resp: 352879

Ion Ratio Lower Upper

63 100

106 29.7 23.6 35.4





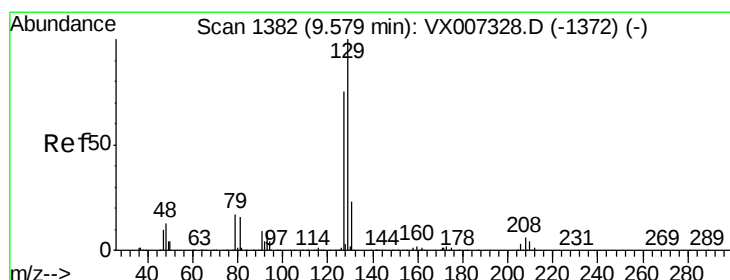
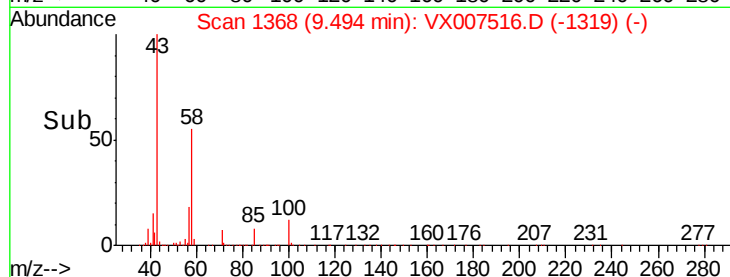
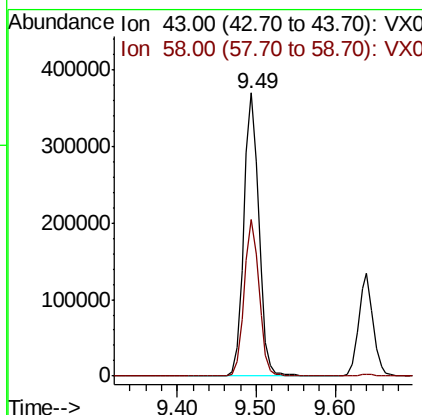
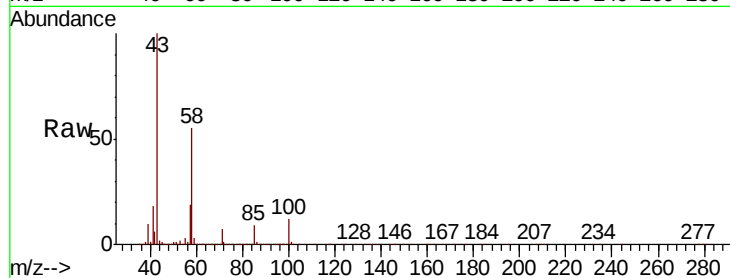
#59
2-Hexanone
Concen: 98.683 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007516.D
Acq: 13 Feb 2019 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0214MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.0	27.1	81.3

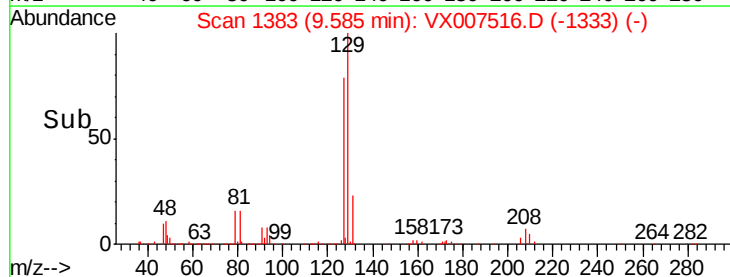
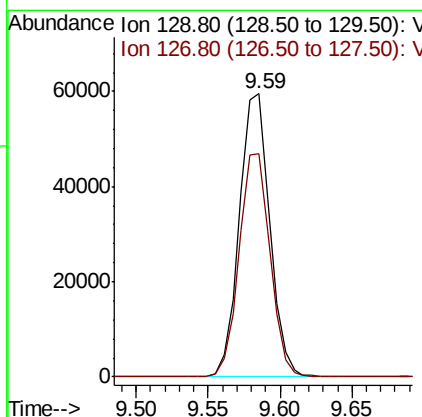
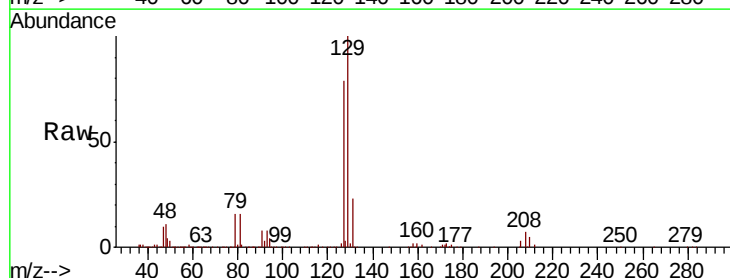
Manual Integrations
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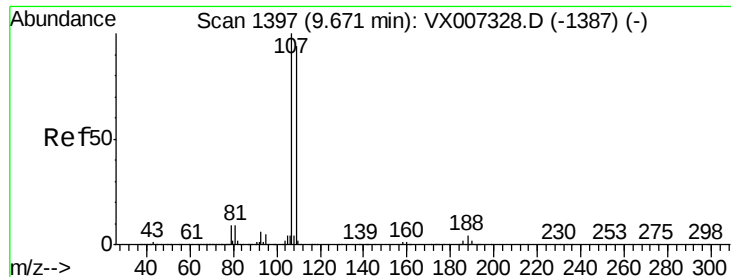
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#60
Dibromochloromethane
Concen: 18.827 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX007516.D
Acq: 13 Feb 2019 12:57

Tgt Ion	Ratio	Lower	Upper
129	100		
127	80.4	37.8	113.4





#61

1,2-Dibromoethane

Concen: 18.625 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007516.D

Acq: 13 Feb 2019 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0214MBS01

Tot Ion:107 Resp: 96713

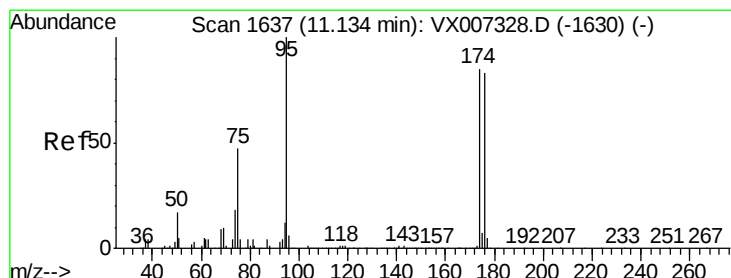
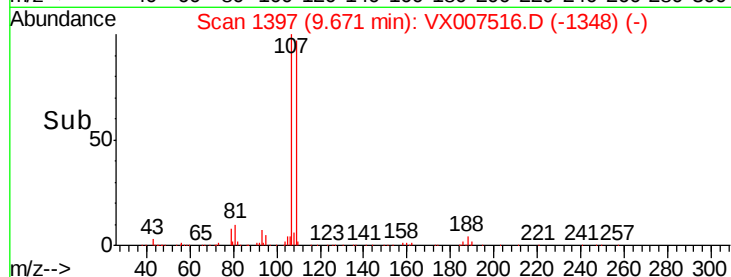
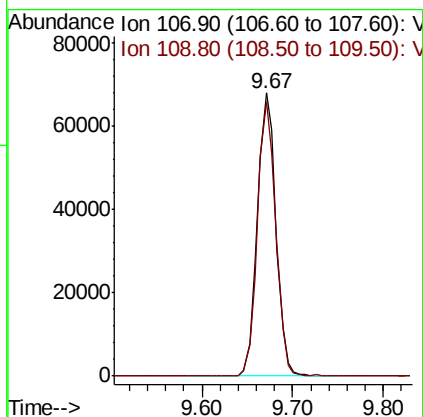
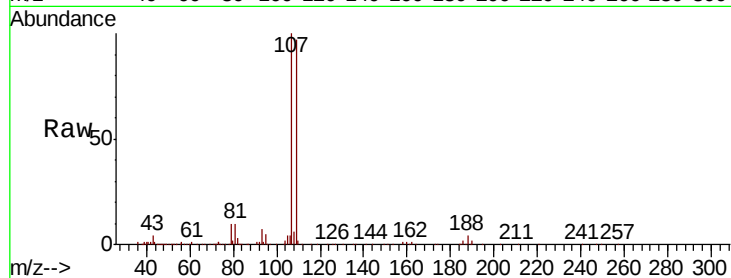
Ion Ratio Lower Upper

107 100

109 95.6 75.1 112.7

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#62

4-Bromofluorobenzene

Concen: 47.743 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007516.D

Acq: 13 Feb 2019 12:57

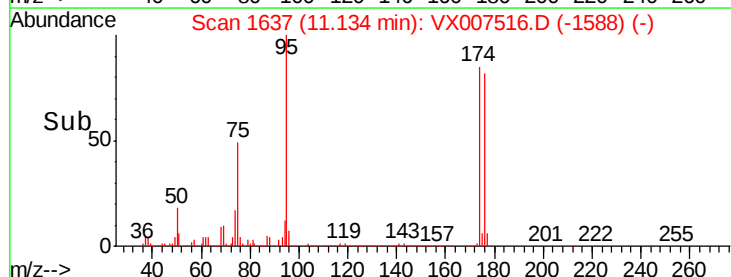
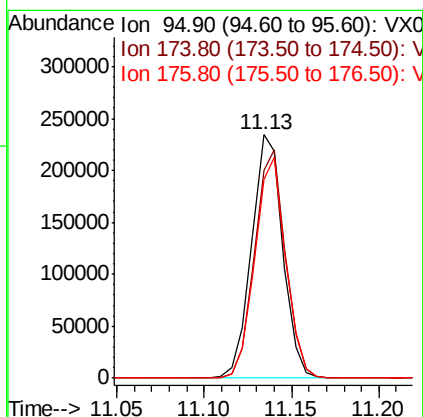
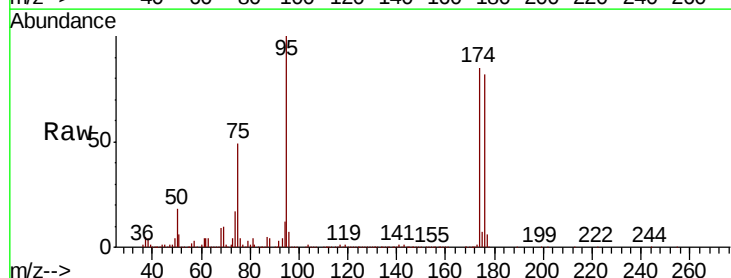
Tgt Ion: 95 Resp: 290271

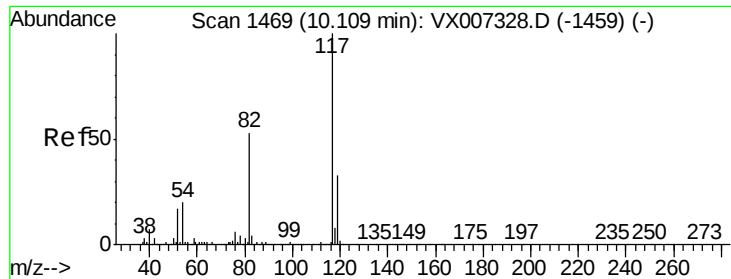
Ion Ratio Lower Upper

95 100

174 93.2 0.0 189.2

176 89.7 0.0 186.2





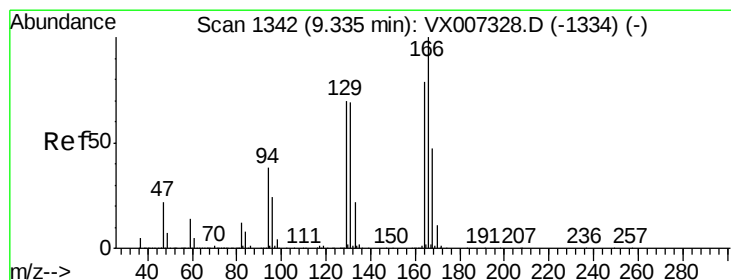
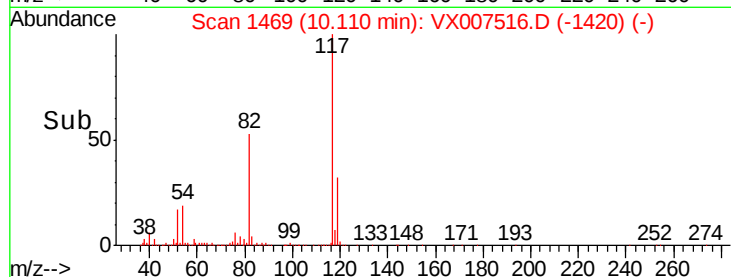
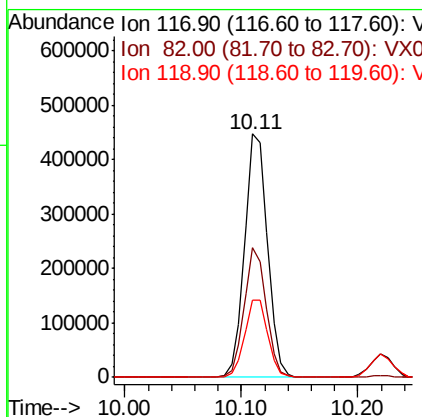
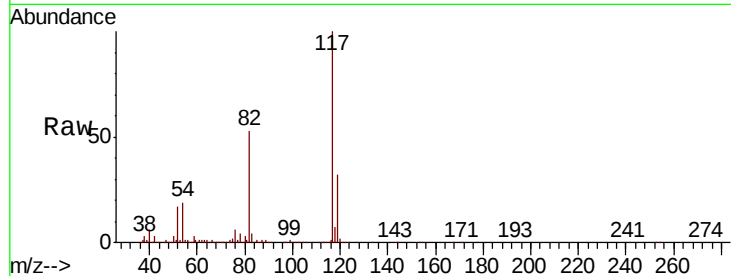
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007516.D
Acq: 13 Feb 2019 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0214MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.1	63.1
119	31.6	26.5	39.7

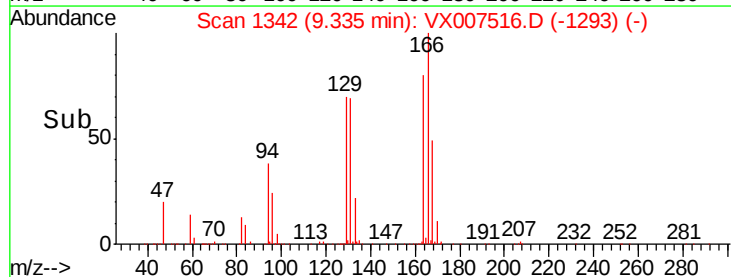
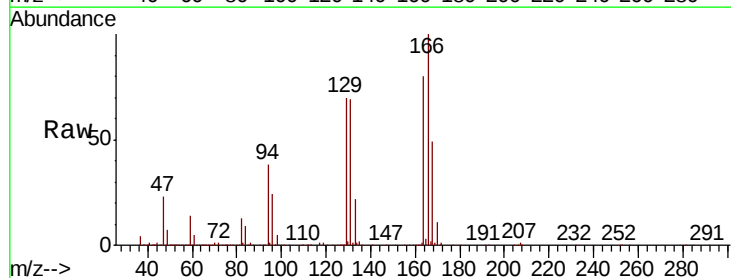
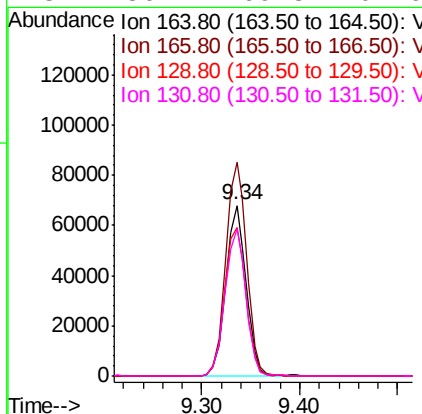
Manual Integrations
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#64
Tetrachloroethene
Concen: 16.779 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007516.D
Acq: 13 Feb 2019 12:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.4	101.0	151.4
129	87.5	70.5	105.7
131	86.1	69.8	104.6





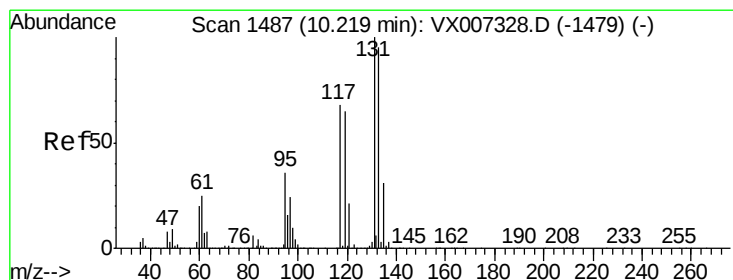
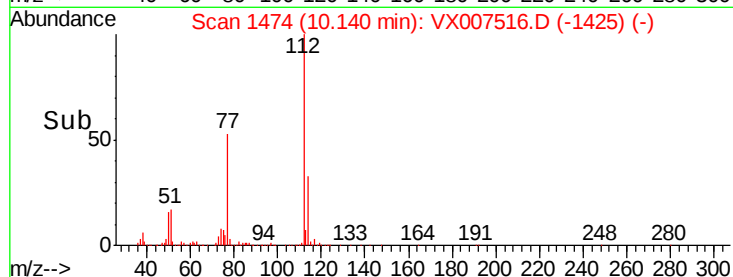
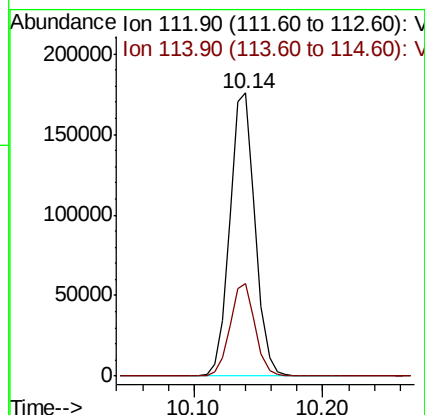
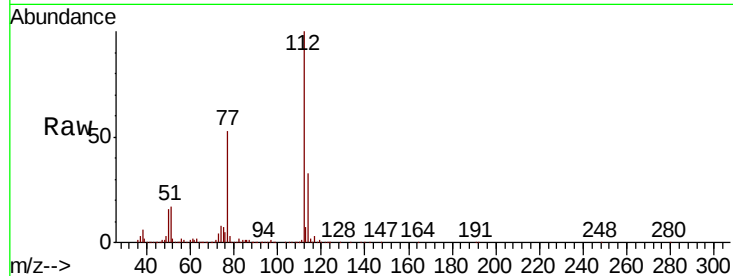
#65
Chlorobenzene
Concen: 17.993 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX007516.D
Acq: 13 Feb 2019 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0214MBS01

Tot Ion:112 Resp: 242410
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.6

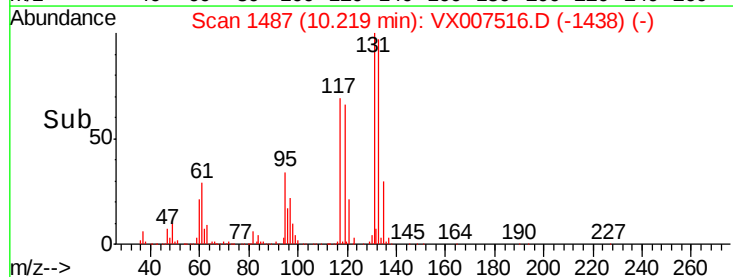
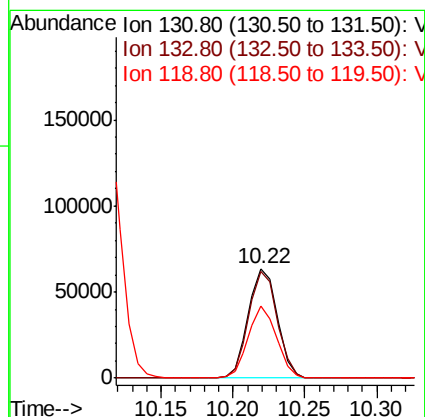
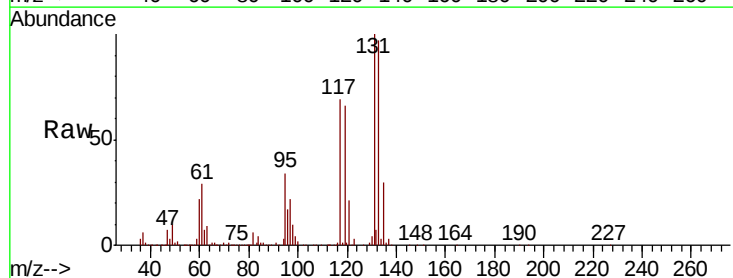
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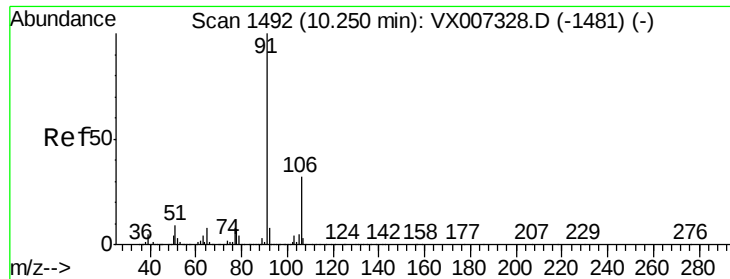
MMDadoda
2/14/2019 10:48:12 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.655 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX007516.D
Acq: 13 Feb 2019 12:57

Tgt Ion:131 Resp: 88782
Ion Ratio Lower Upper
131 100
133 96.6 48.0 144.2
119 64.8 32.0 96.0





#67

Ethyl Benzene

Concen: 18.175 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007516.D

Acq: 13 Feb 2019 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0214MBS01

Tot Ion: 91 Resp: 394336

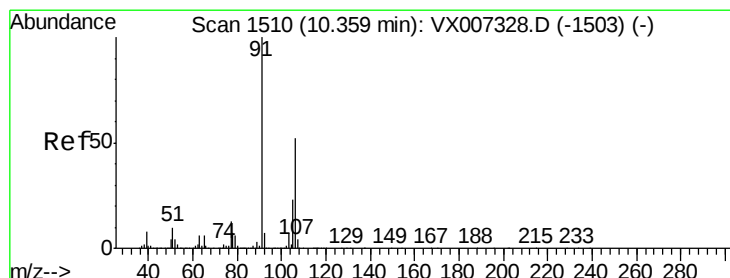
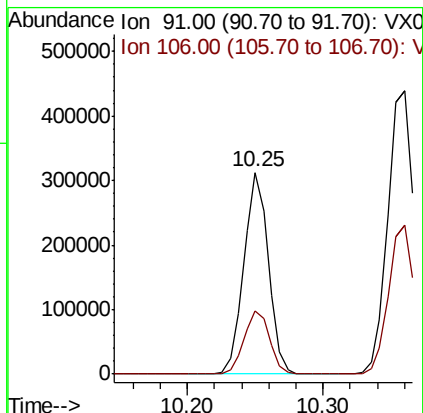
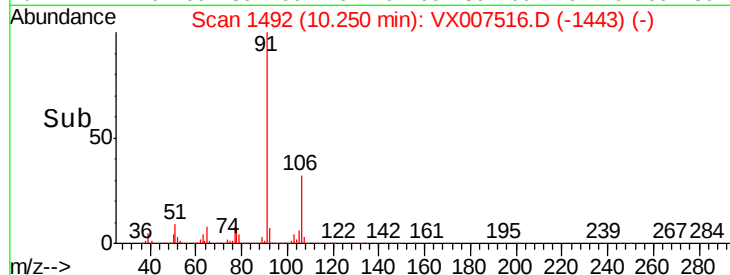
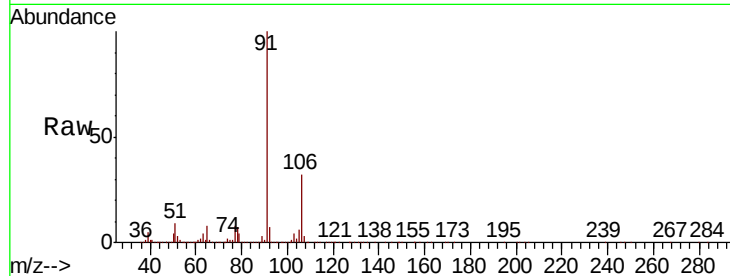
Ion Ratio Lower Upper

91 100

106 31.6 25.4 38.0

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 35.863 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007516.D

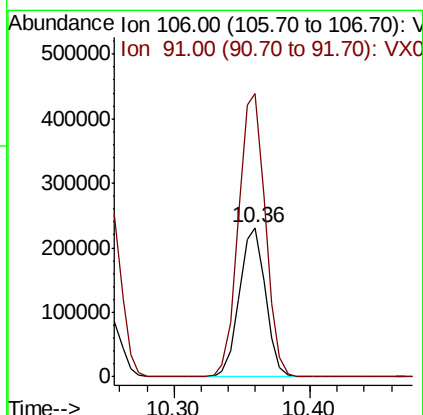
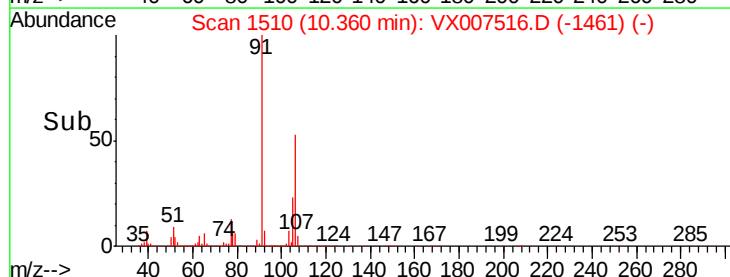
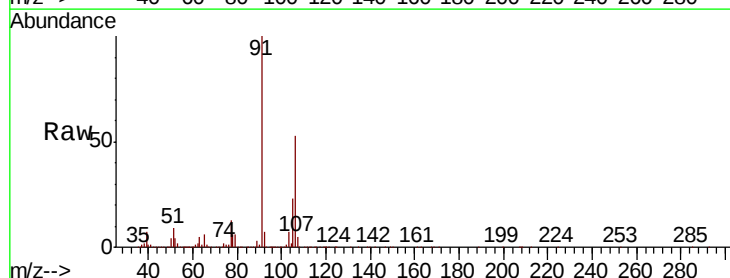
Acq: 13 Feb 2019 12:57

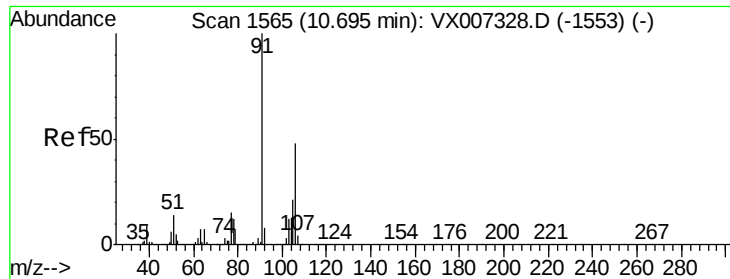
Tgt Ion: 106 Resp: 309303

Ion Ratio Lower Upper

106 100

91 194.5 156.6 234.8





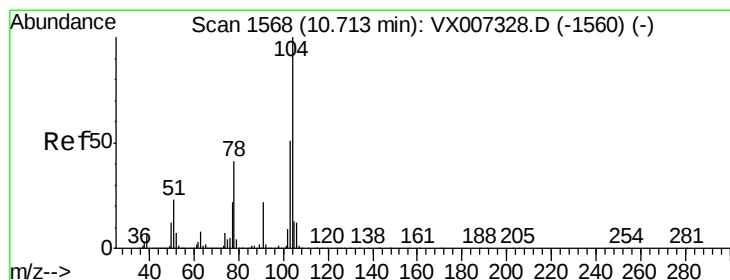
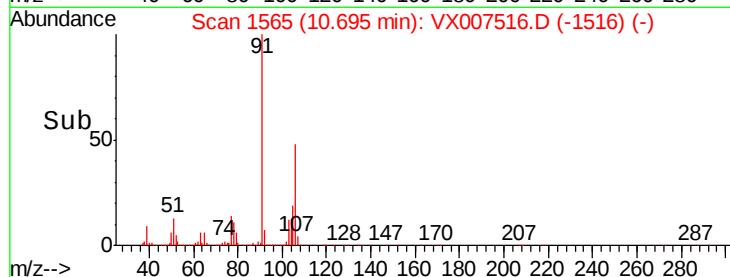
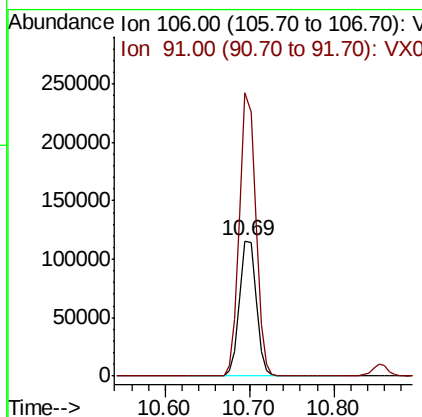
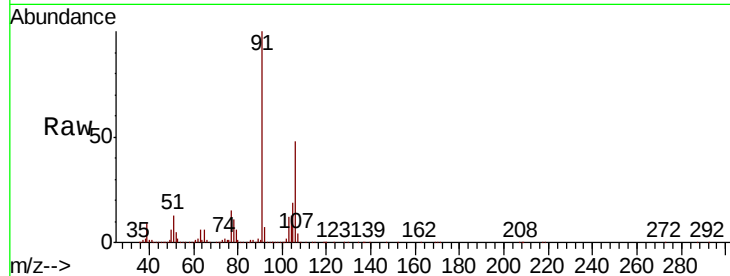
#69
o-Xylene
Concen: 18.558 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX007516.D
Acq: 13 Feb 2019 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0214MBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	202.8	102.9	308.7

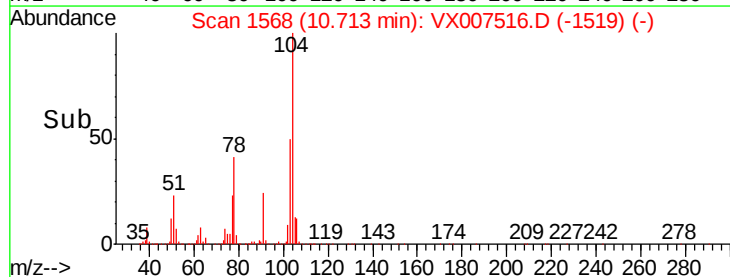
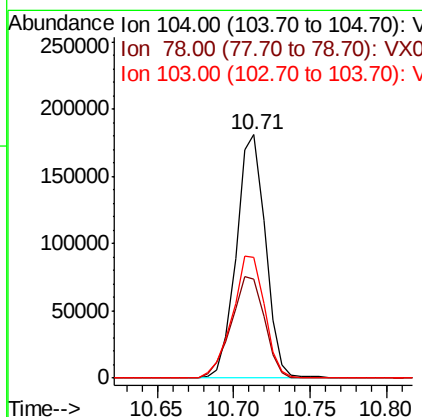
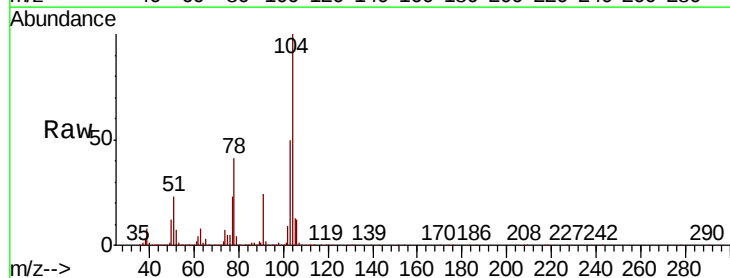
Manual Integrations
APPROVED

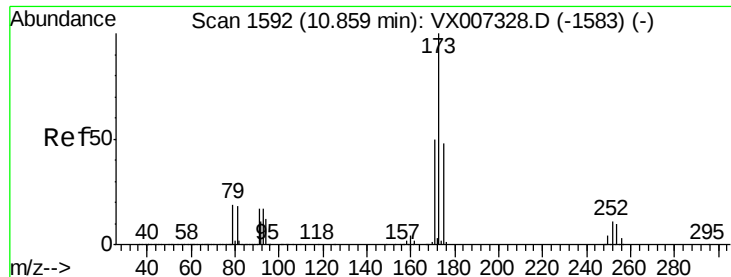
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#70
Styrene
Concen: 17.780 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007516.D
Acq: 13 Feb 2019 12:57

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.8	38.3	57.5
103	55.8	44.6	67.0





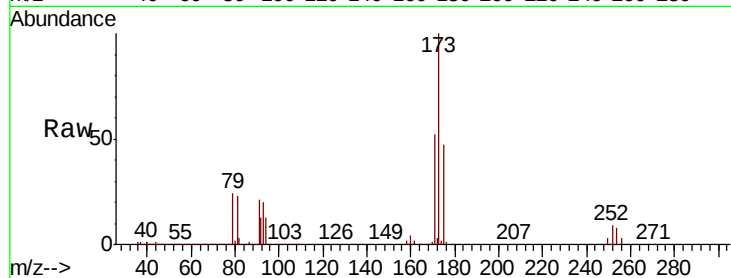
#71
Bromoform
Concen: 19.241 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VX007516.D
Acq: 13 Feb 2019 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0214MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.2	72.6
254	0.0	0.2	0.2

Manual Integrations
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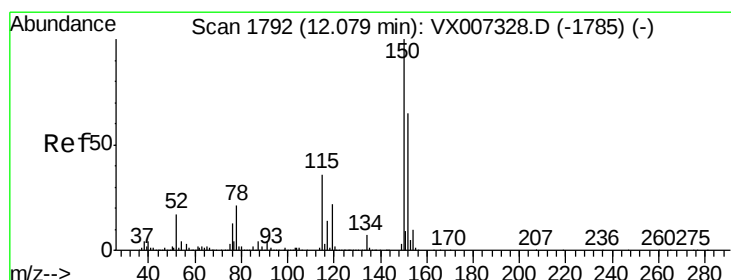
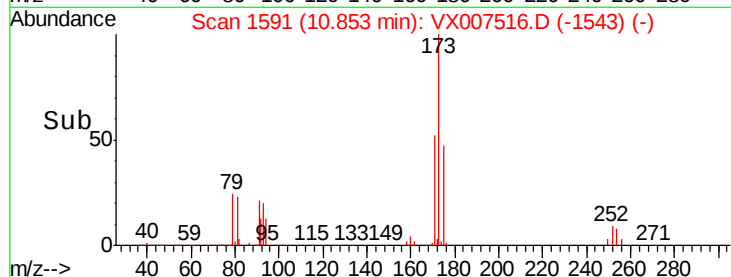
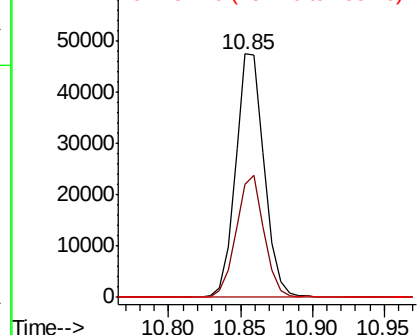


Abundance

Ion 172.70 (172.40 to 173.40): V

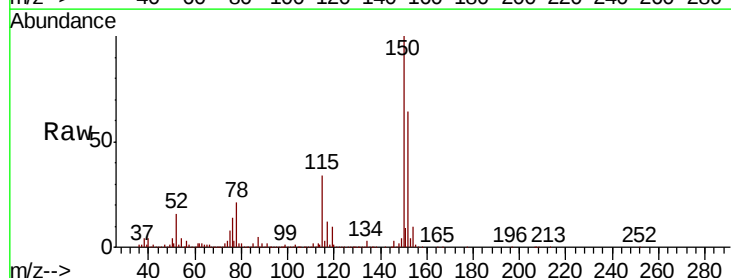
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007516.D
Acq: 13 Feb 2019 12:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.7	38.0	114.0
150	162.8	0.0	346.4

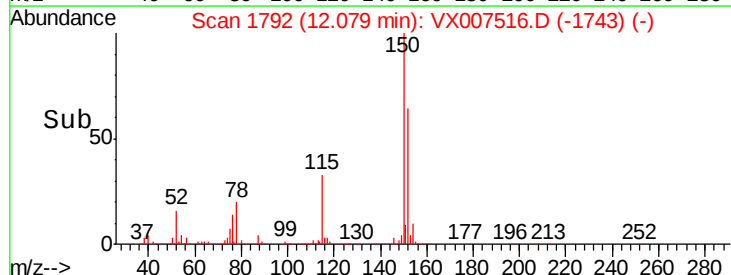
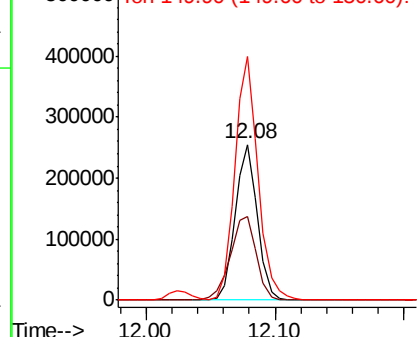


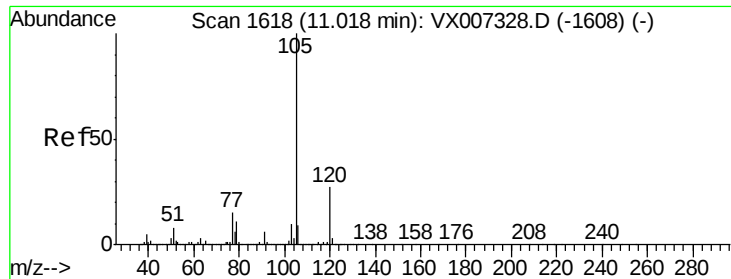
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.210 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007516.D

Acq: 13 Feb 2019 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0214MBS01

Tot Ion: 105 Resp: 399499

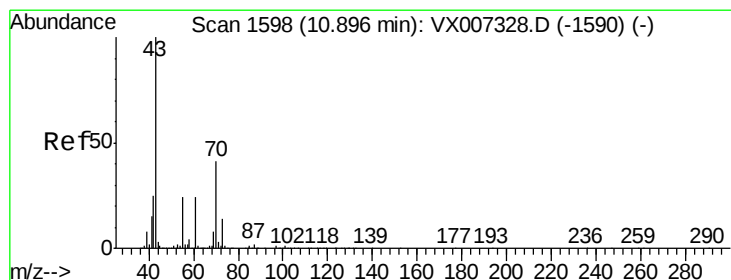
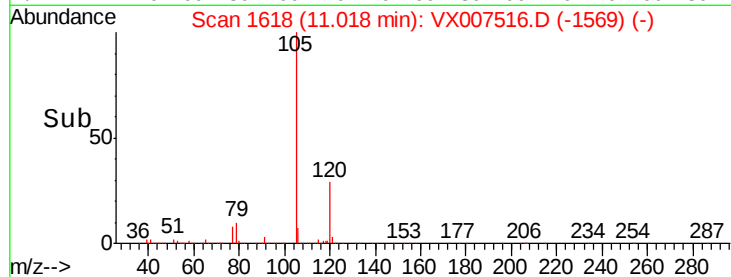
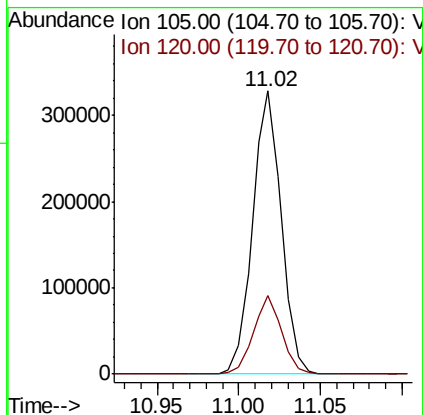
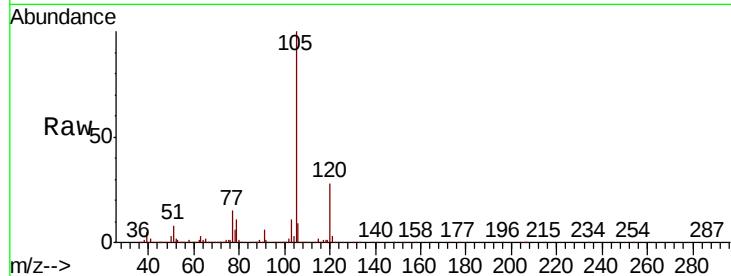
Ion Ratio Lower Upper

105 100

120 27.5 13.6 40.7

Manual Integrations
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#74

N-ethyl acetate

Concen: 19.810 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007516.D

Acq: 13 Feb 2019 12:57

Tgt Ion: 43 Resp: 159348

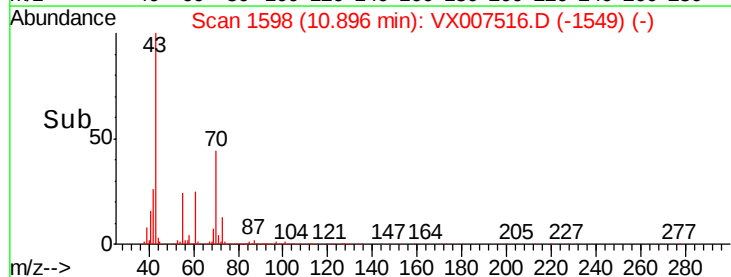
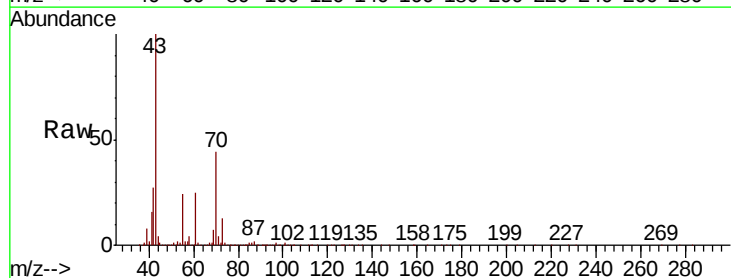
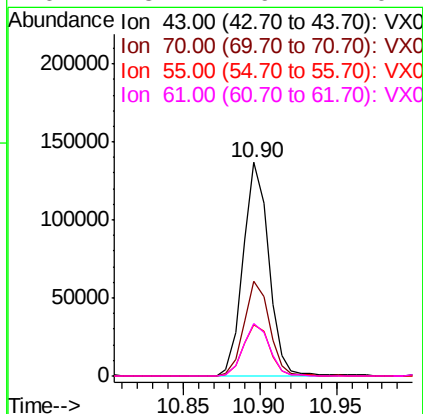
Ion Ratio Lower Upper

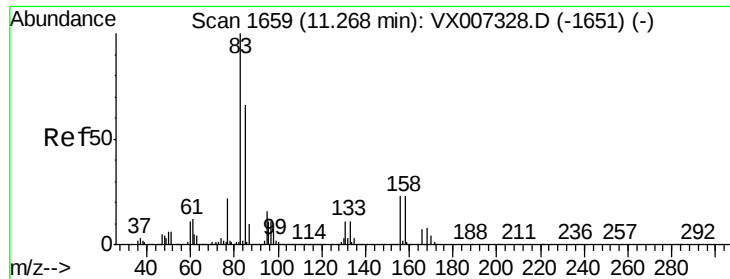
43 100

70 44.0 33.8 50.6

55 24.8 19.5 29.3

61 25.2 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.919 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007516.D

Acq: 13 Feb 2019 12:57

Instrument :

MSVOA_X

ClientSampled :

VX0214MBS01

Tot Ion: 83 Resp: 132582

Ion Ratio Lower Upper

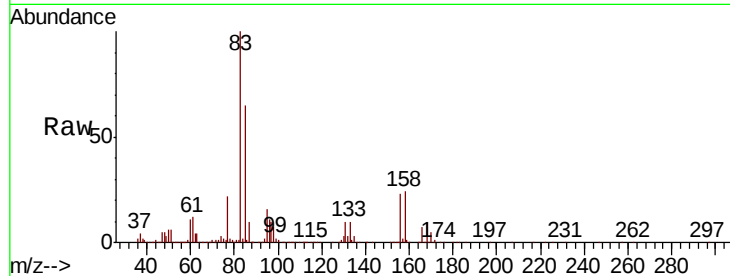
83 100

131 11.2 5.7 17.0

85 65.6 32.8 98.3

Manual Integrations
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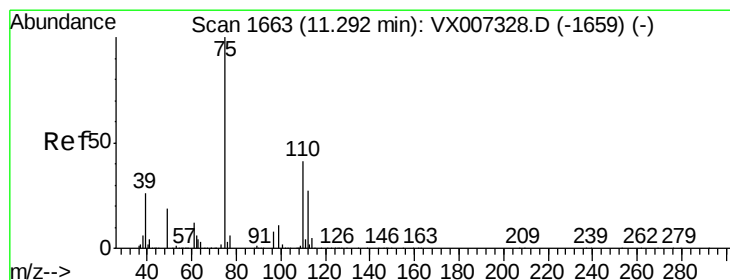
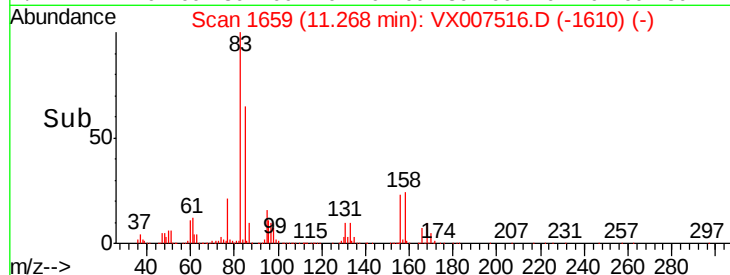
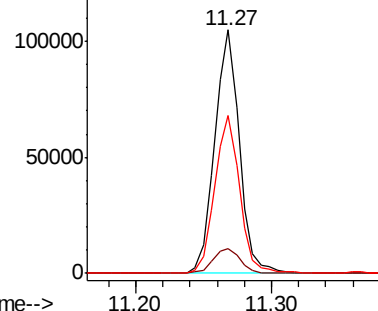
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 18.699 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX007516.D

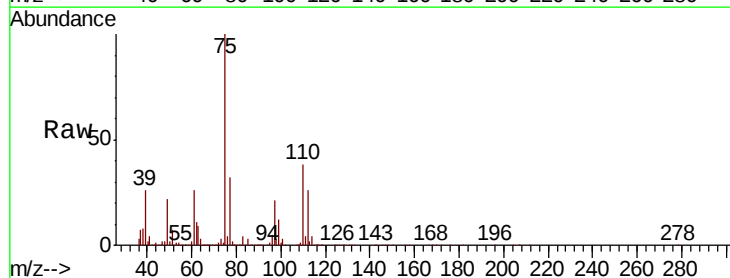
Acq: 13 Feb 2019 12:57

Tgt Ion: 75 Resp: 111306

Ion Ratio Lower Upper

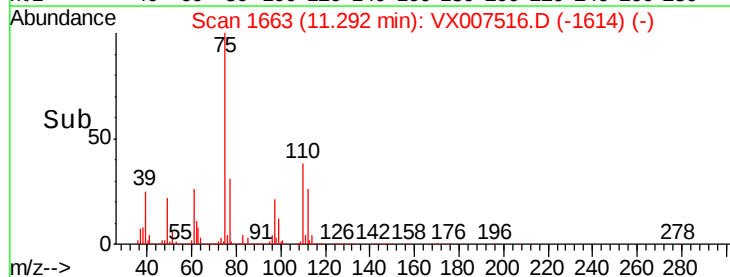
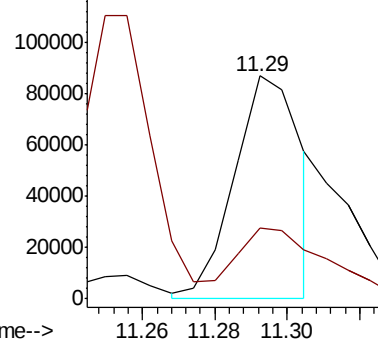
75 100

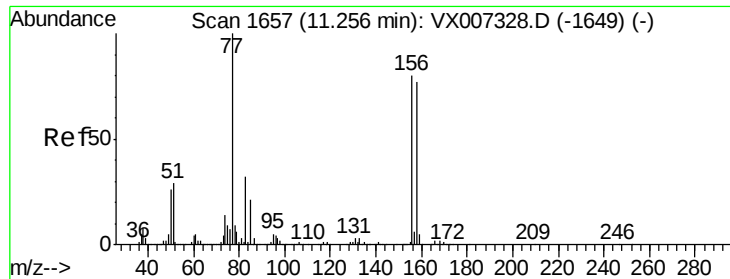
77 44.3 23.0 69.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 18.592 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007516.D

Acq: 13 Feb 2019 12:57

Instrument :

MSVOA_X

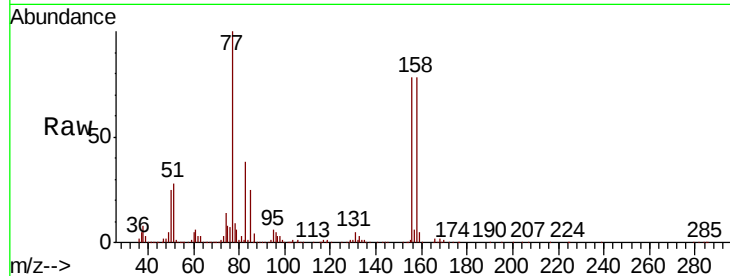
ClientSampleId :

VX0214MBS01

Tot Ion:	156	Resp:	108935
Ion Ratio	Lower	Upper	
156	100		
77	136.1	66.8	200.6
158	98.1	47.9	143.8

Manual Integrations
APPROVED

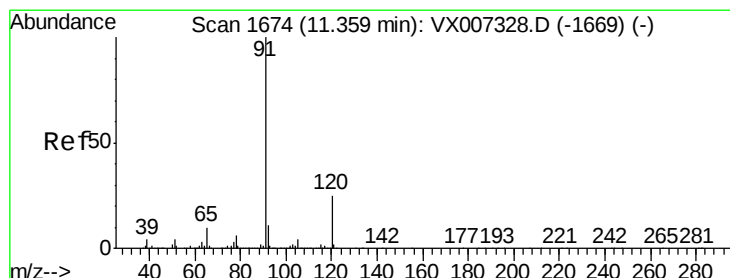
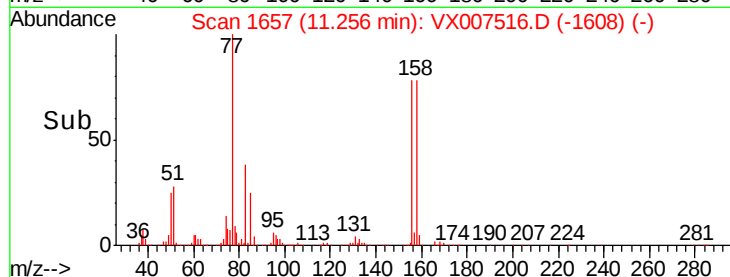
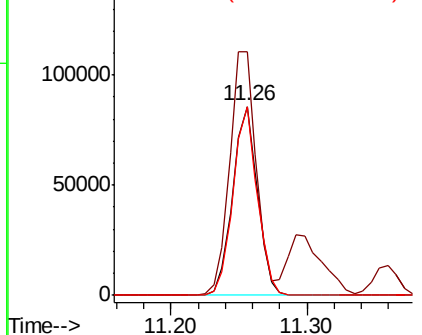
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.344 ug/l

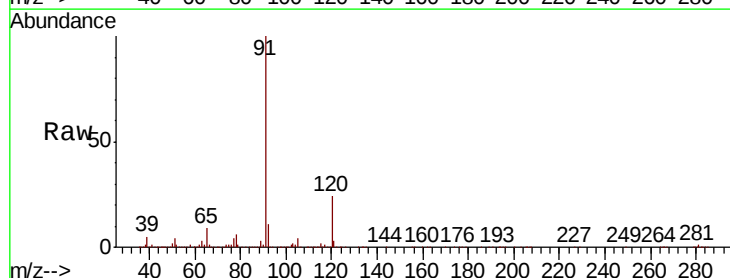
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007516.D

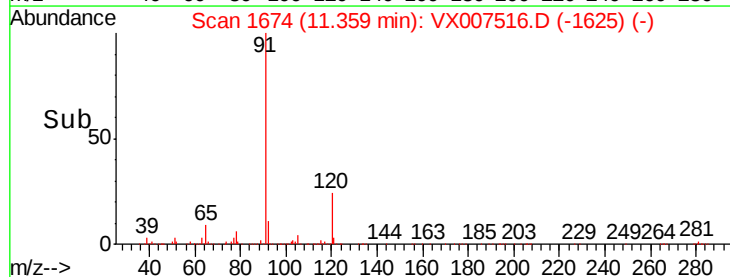
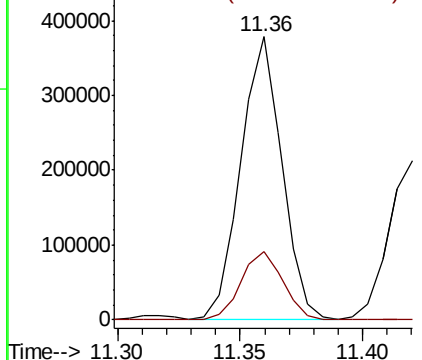
Acq: 13 Feb 2019 12:57

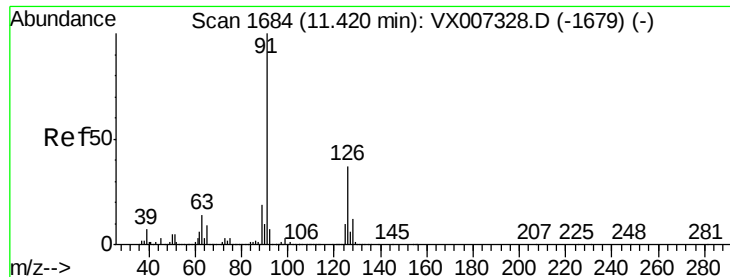
Tgt Ion:	91	Resp:	441128
Ion Ratio	Lower	Upper	
91	100		
120	25.0	12.4	37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.993 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007516.D

Acq: 13 Feb 2019 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0214MBS01

Tot Ion: 91 Resp: 262803

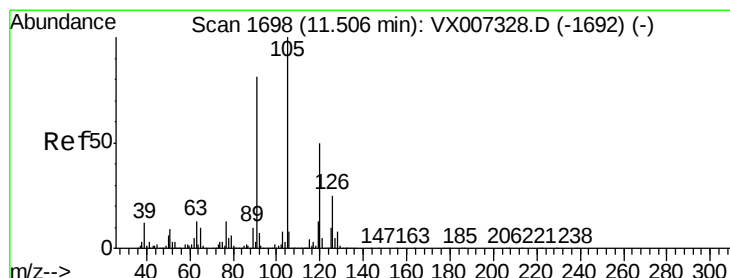
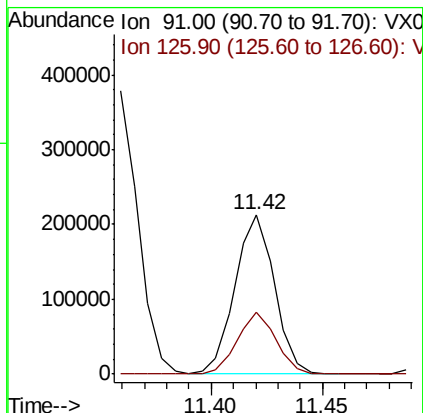
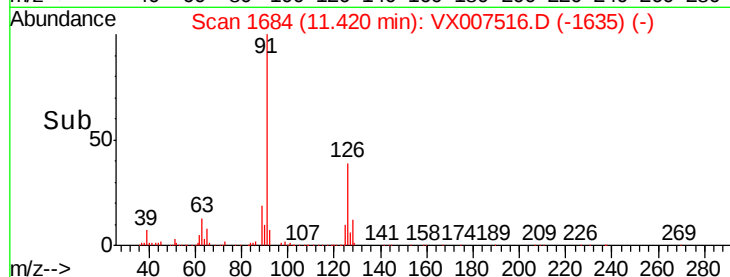
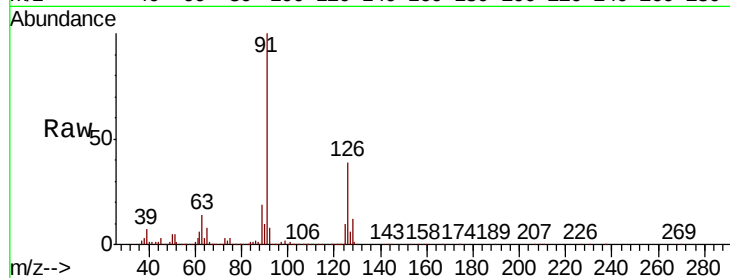
Ion Ratio Lower Upper

91 100

126 38.1 18.7 56.1

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#80

1,3,5-Trimethylbenzene

Concen: 19.365 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007516.D

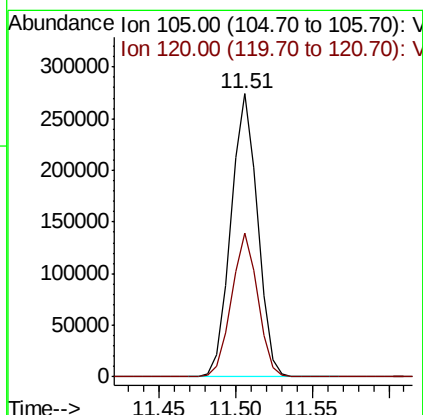
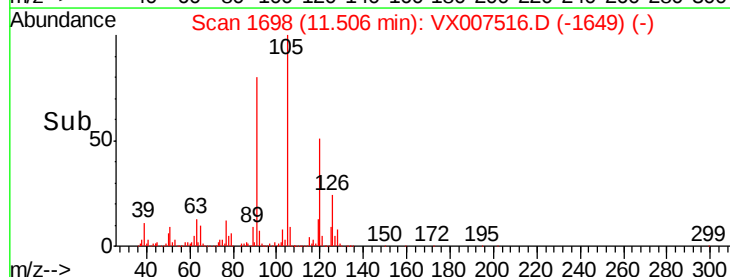
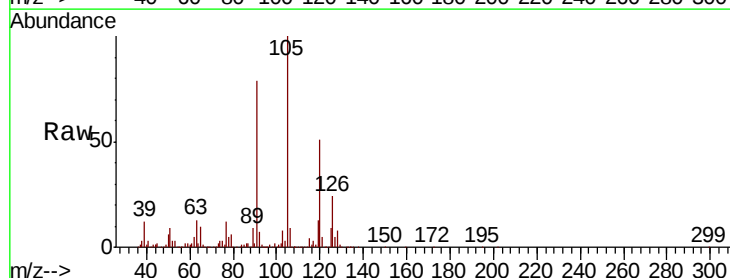
Acq: 13 Feb 2019 12:57

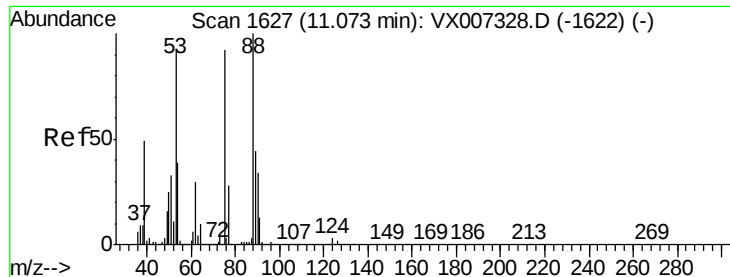
Tgt Ion: 105 Resp: 329473

Ion Ratio Lower Upper

105 100

120 49.9 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.222 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007516.D

Acq: 13 Feb 2019 12:57

Instrument :

MSVOA_X

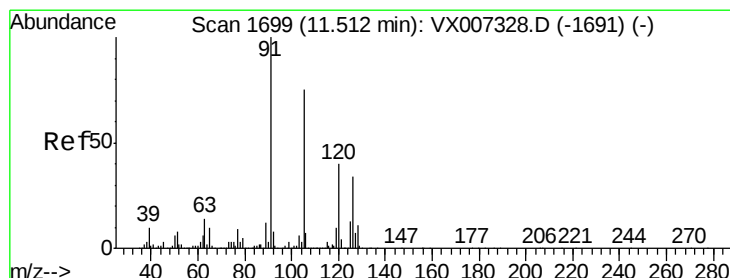
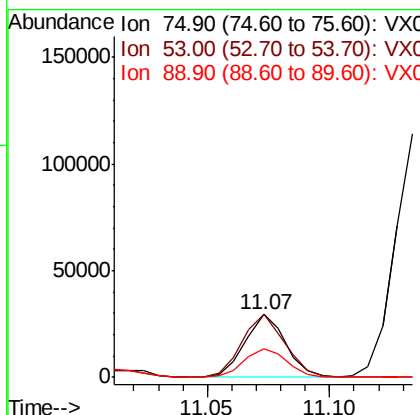
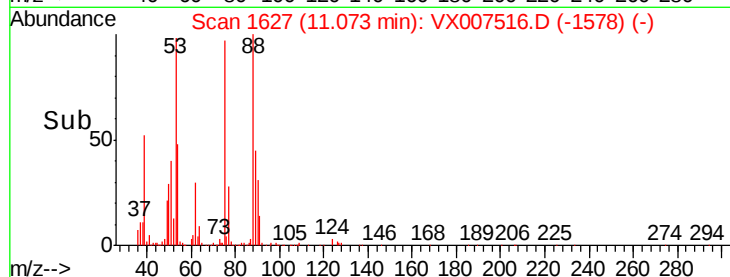
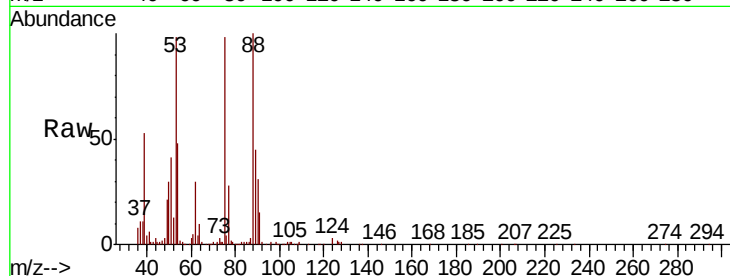
ClientSampleId :

VX0214MBS01

Tot Ion:	75	Resp:	33646
Ion	Ratio	Lower	Upper
75	100		
53	105.7	81.0	121.6
89	49.1	41.4	62.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.955 ug/l

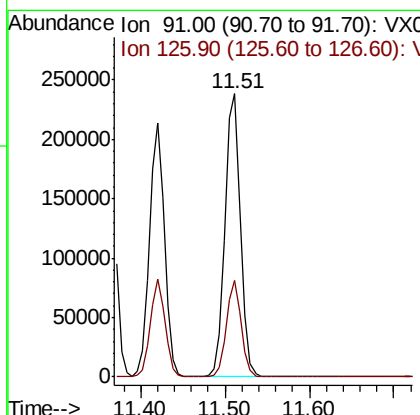
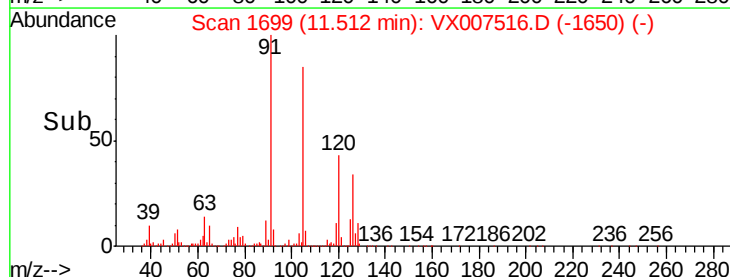
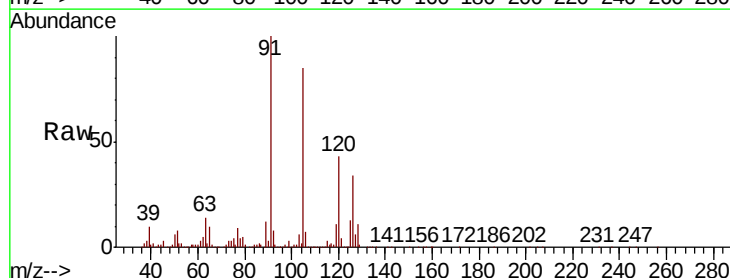
RT: 11.51 min Scan# 1699

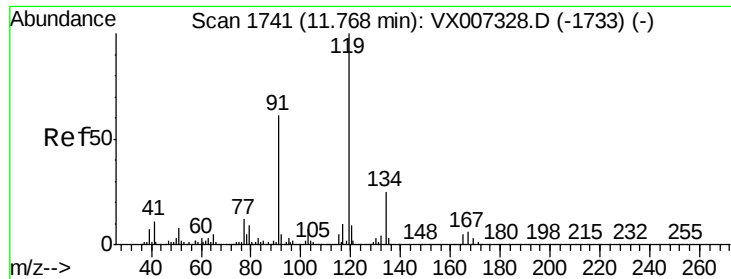
Delta R.T. 0.00 min

Lab File: VX007516.D

Acq: 13 Feb 2019 12:57

Tgt Ion:	91	Resp:	303488
Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.2	48.5





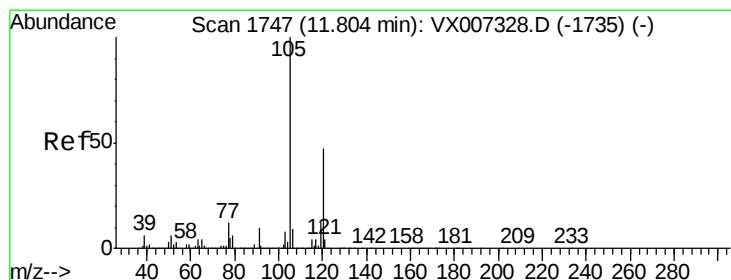
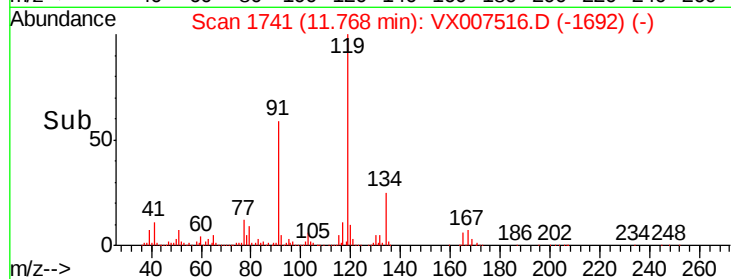
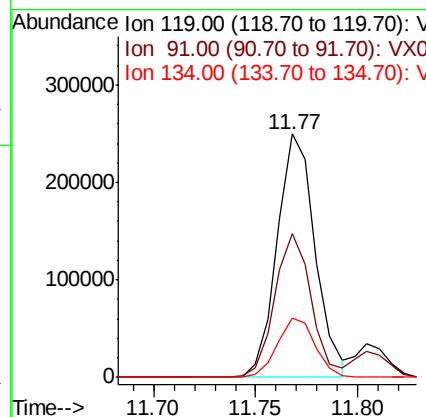
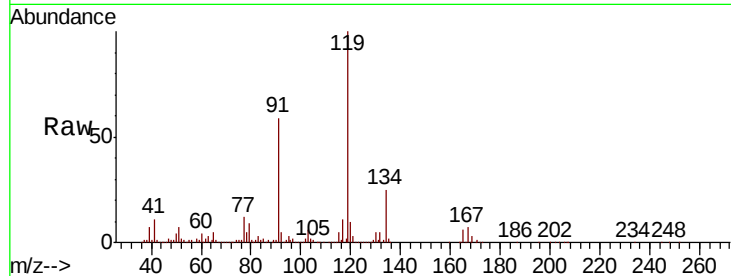
#83
tert-Butylbenzene
Concen: 19.274 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX007516.D
Acq: 13 Feb 2019 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0214MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	324655		
91	56.4	28.5	85.6	
134	24.4	12.0	36.0	

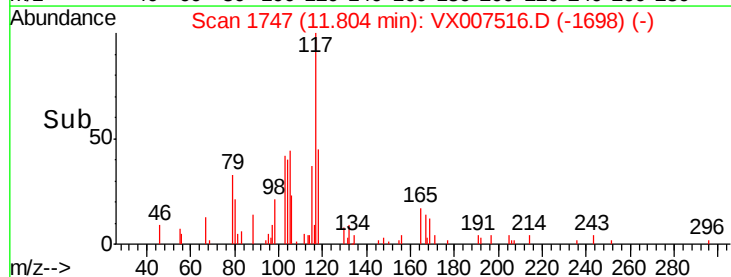
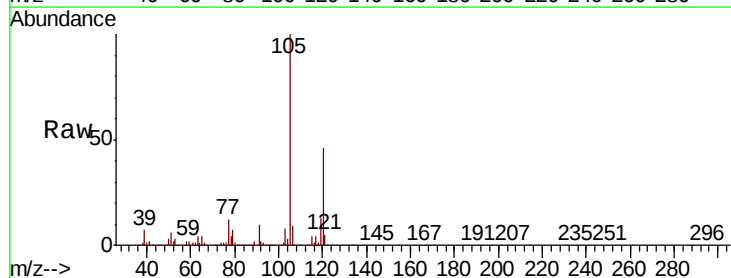
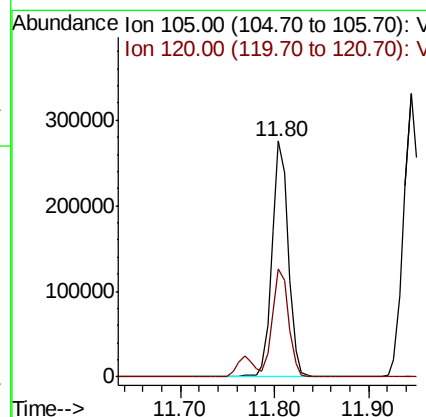
Manual Integrations
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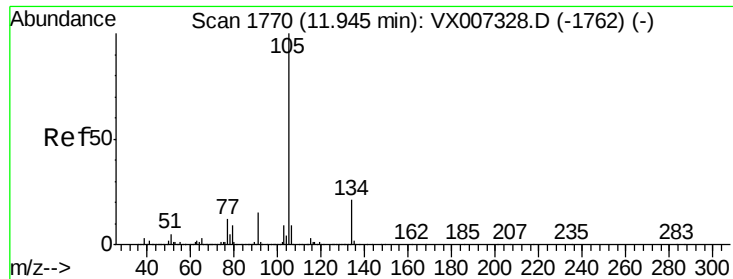
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#84
1,2,4-Trimethylbenzene
Concen: 19.425 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX007516.D
Acq: 13 Feb 2019 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	335526		
120	45.2	23.1	69.3	





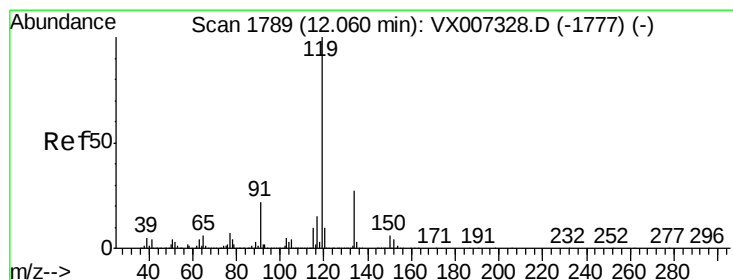
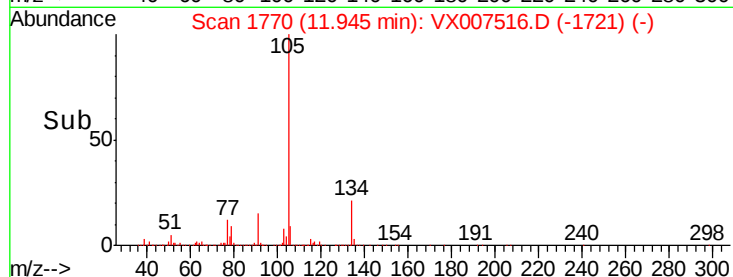
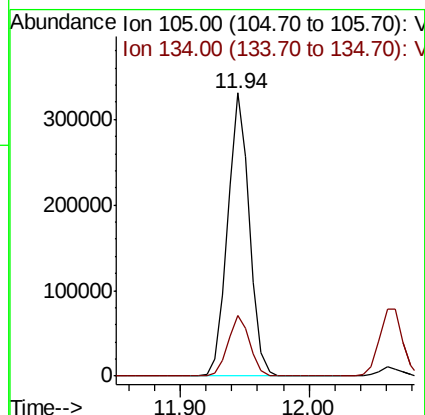
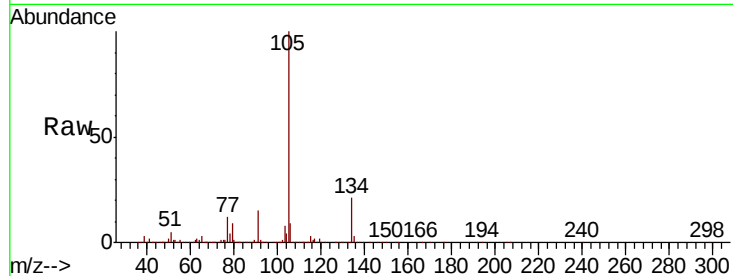
#85
 sec-Butylbenzene
 Concen: 19.243 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX007516.D
 Acq: 13 Feb 2019 12:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.3	10.6	31.8

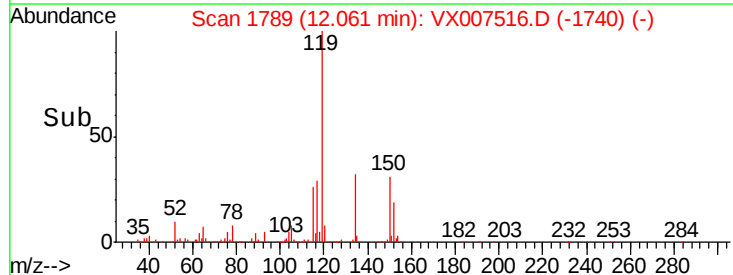
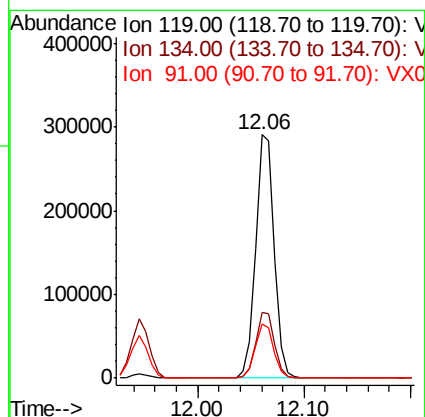
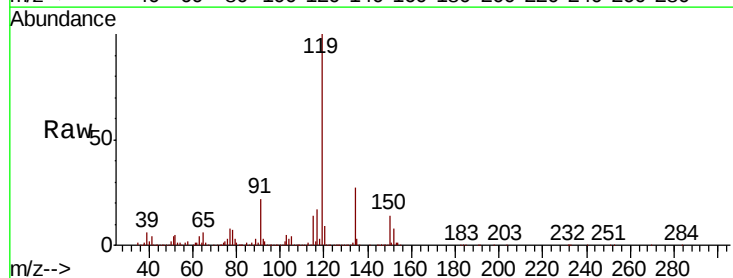
Manual Integrations
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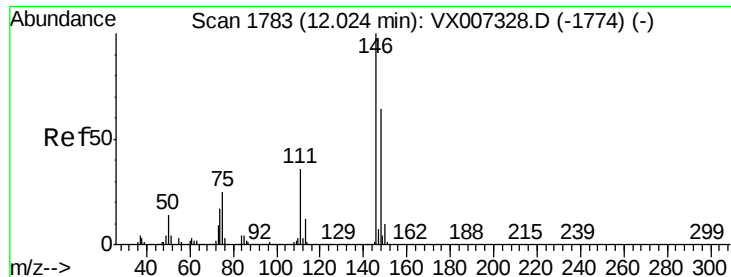
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#86
 p-Isopropyltoluene
 Concen: 19.321 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX007516.D
 Acq: 13 Feb 2019 12:57

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.3	13.7	41.1
91	22.0	11.2	33.5





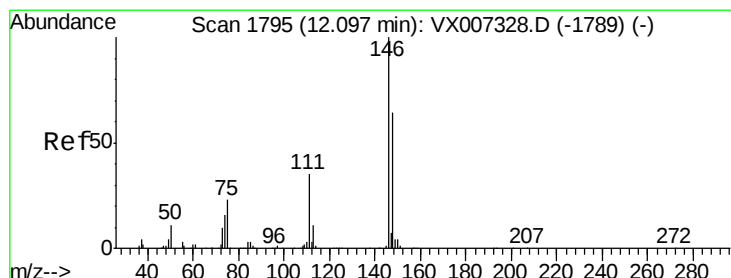
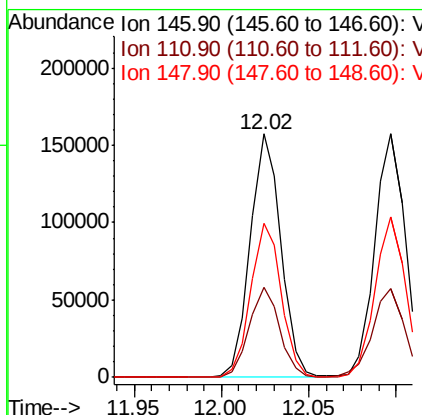
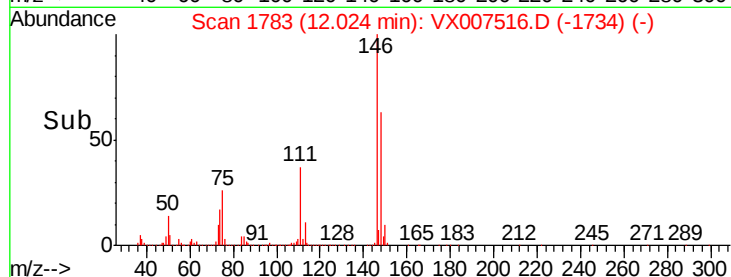
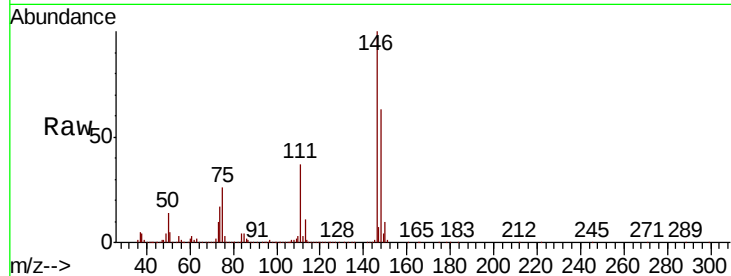
#87
 1,3-Dichlorobenzene
 Concen: 18.305 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007516.D
 Acq: 13 Feb 2019 12:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.1	54.1
148	62.8	32.0	96.2

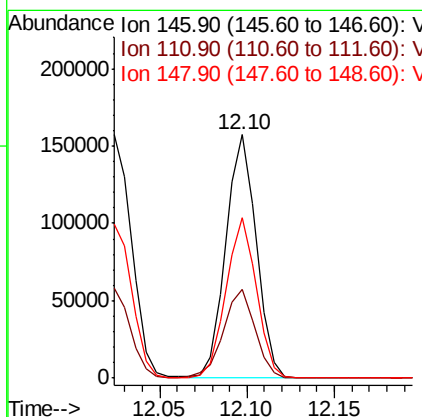
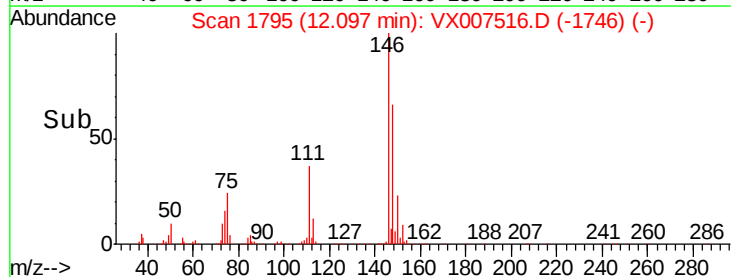
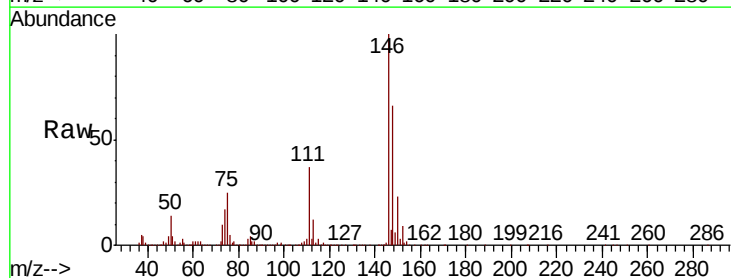
Manual Integrations
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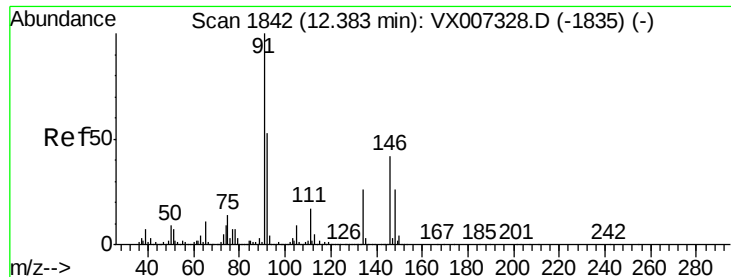
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#88
 1,4-Dichlorobenzene
 Concen: 17.883 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007516.D
 Acq: 13 Feb 2019 12:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.1	54.1
148	65.9	32.3	96.9





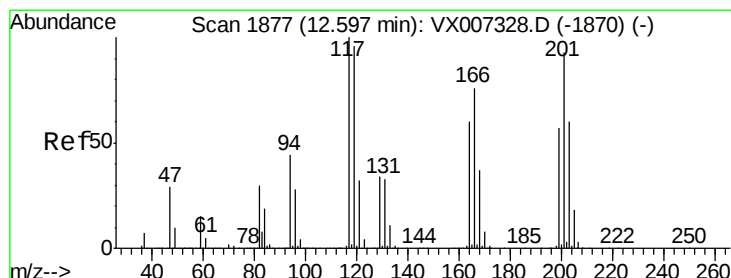
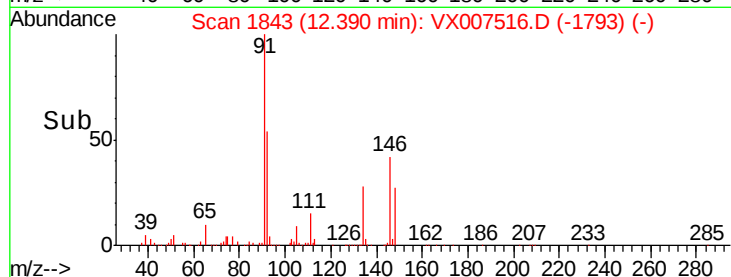
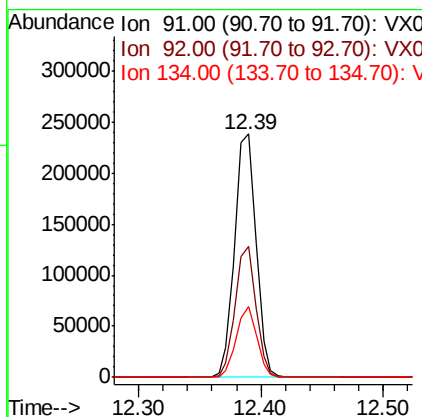
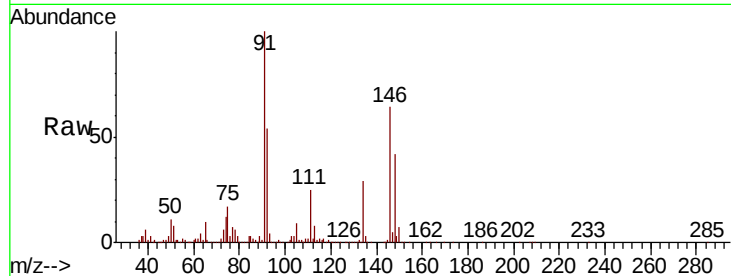
#89
n-Butylbenzene
Concen: 18.172 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX007516.D
Acq: 13 Feb 2019 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0214MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.3	78.9
134	28.1	13.9	41.6

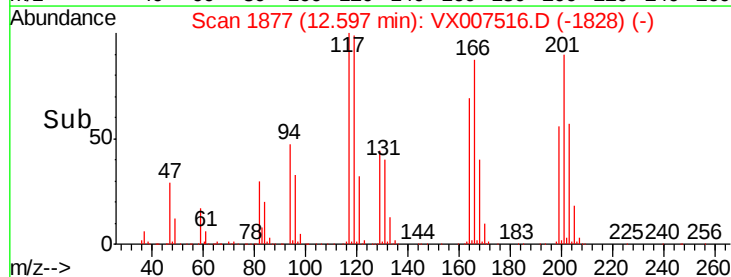
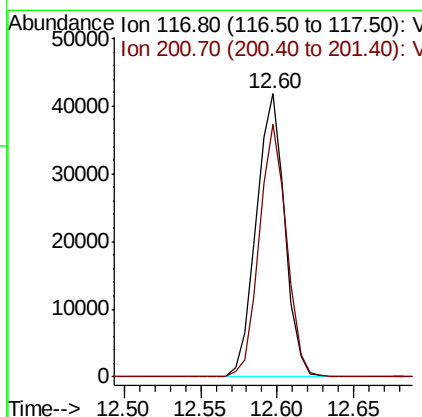
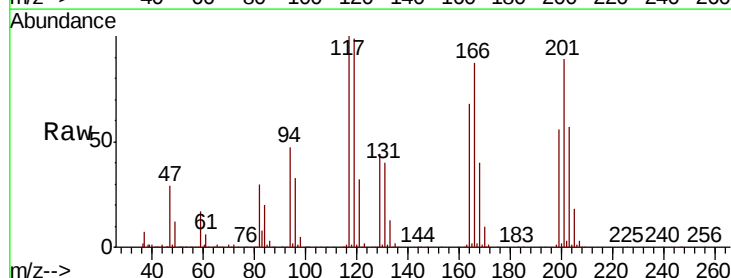
Manual Integrations
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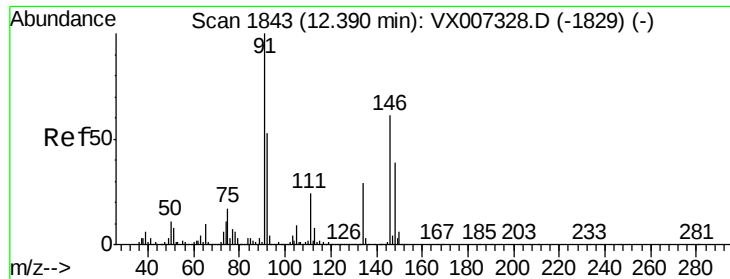
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#90
Hexachloroethane
Concen: 19.790 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007516.D
Acq: 13 Feb 2019 12:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.4	44.9	134.7





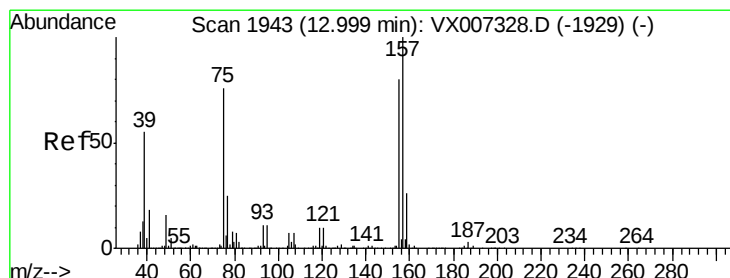
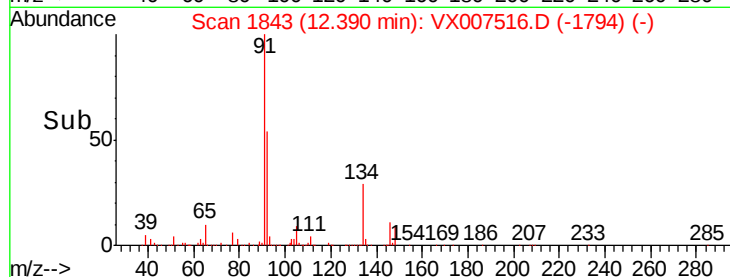
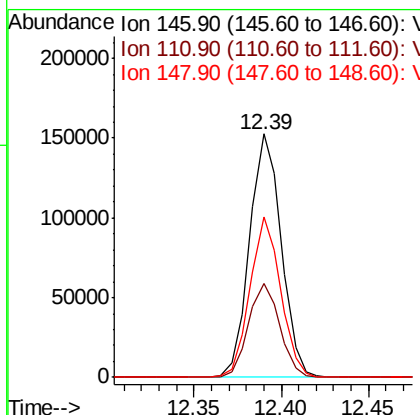
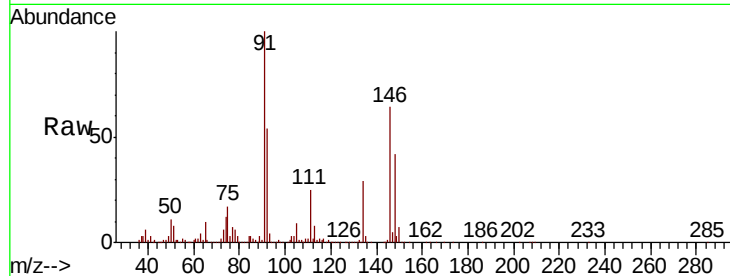
#91
 1,2-Dichlorobenzene
 Concen: 18.350 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007516.D
 Acq: 13 Feb 2019 12:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.3
148	64.1	32.1	96.3

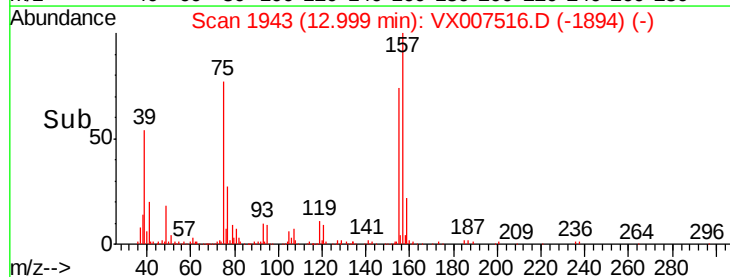
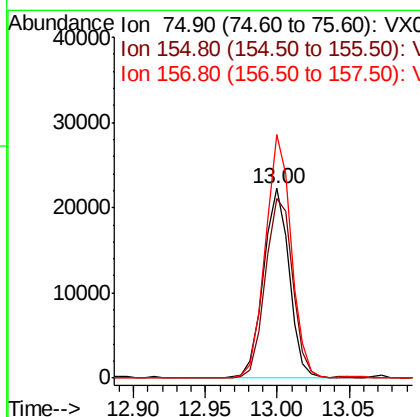
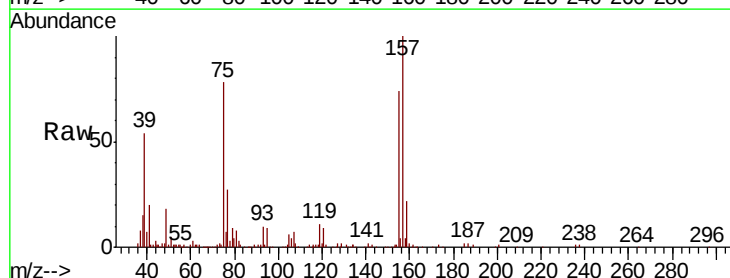
Manual Integrations
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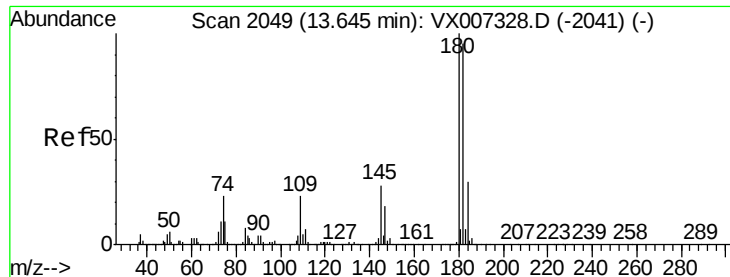
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.888 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007516.D
 Acq: 13 Feb 2019 12:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.0	49.6	149.0
157	128.4	65.1	195.3





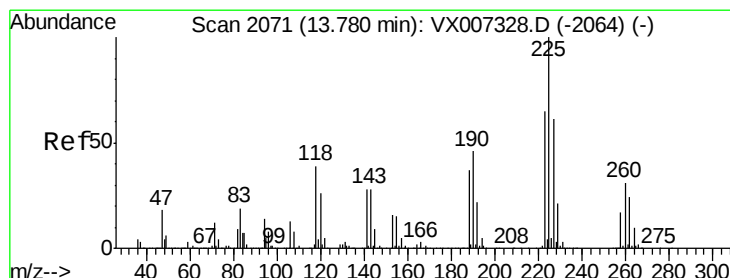
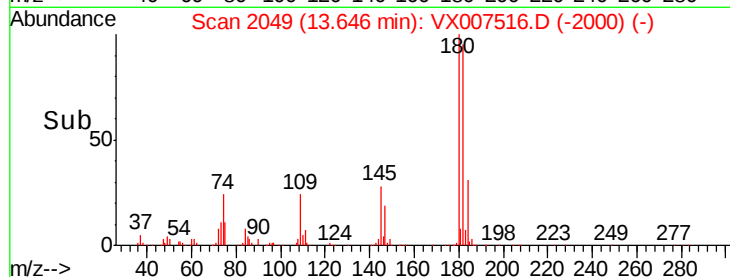
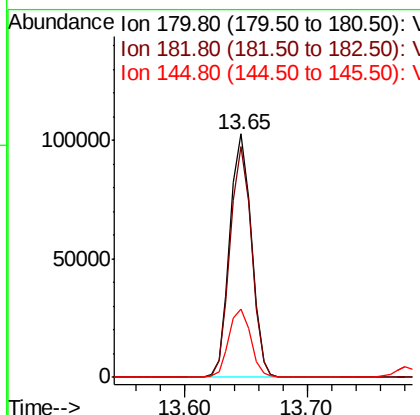
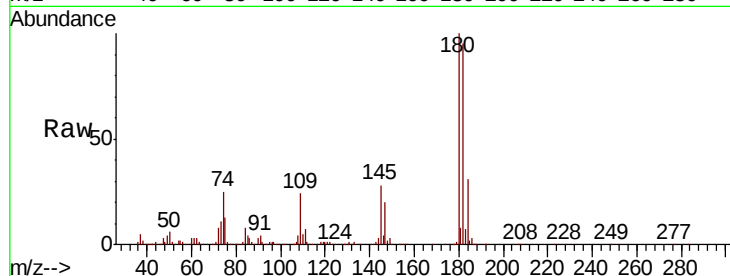
#93
 1,2,4-Trichlorobenzene
 Concen: 17.812 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007516.D
 Acq: 13 Feb 2019 12:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	125709		
182	94.4	47.8	143.3	
145	28.7	14.1	42.2	

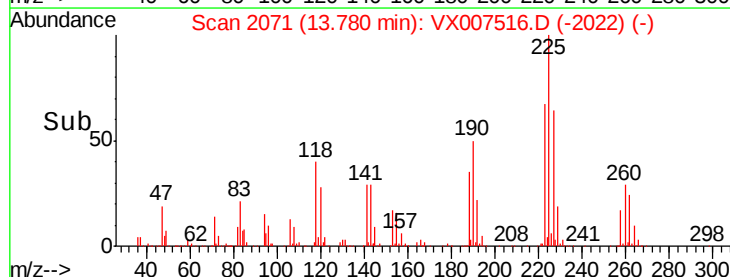
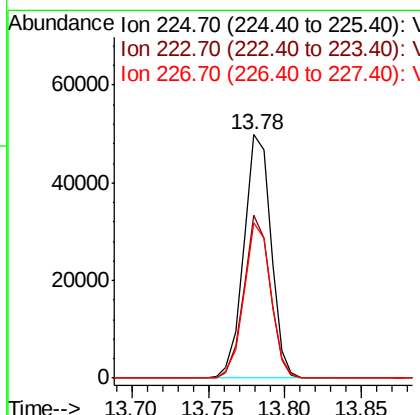
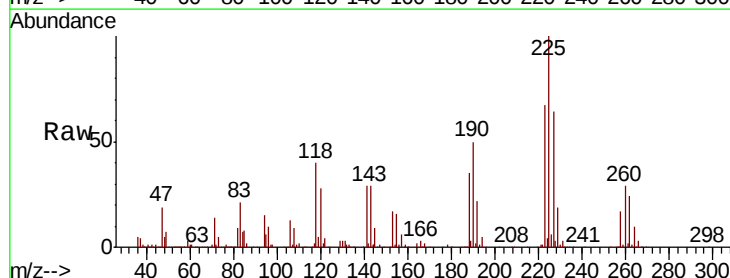
Manual Integrations
 APPROVED

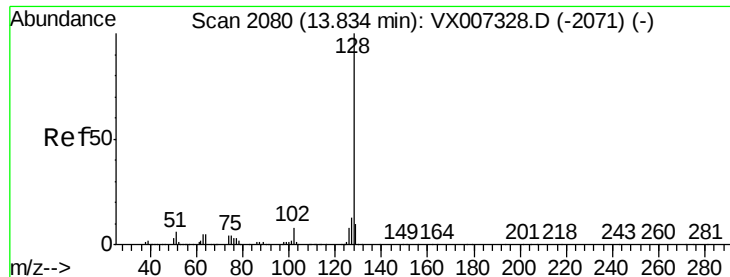
MMDadoda
 2/14/2019 10:48:12 AM



#94
 Hexachlorobutadiene
 Concen: 17.875 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007516.D
 Acq: 13 Feb 2019 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	61257		
223	64.6	31.6	94.8	
227	63.3	32.1	96.3	





#95

Naphthalene

Concen: 19.351 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007516.D

Acq: 13 Feb 2019 12:57

Instrument :

MSVOA_X

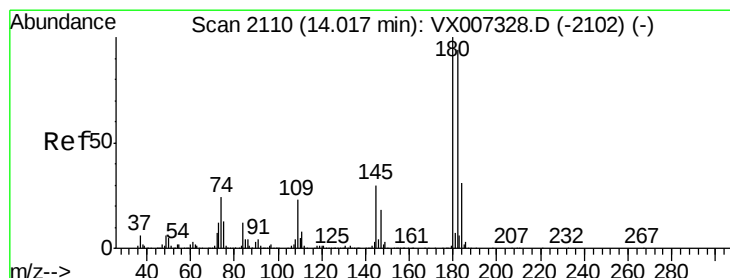
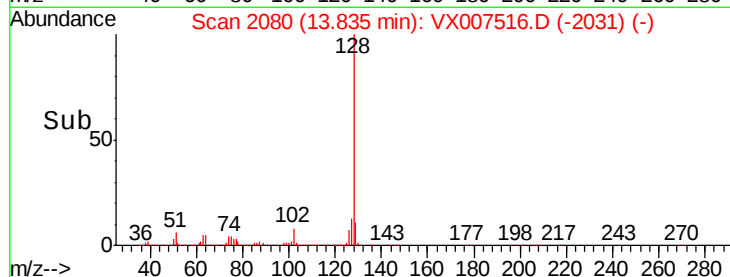
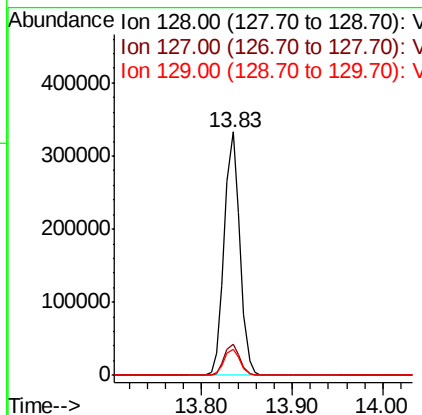
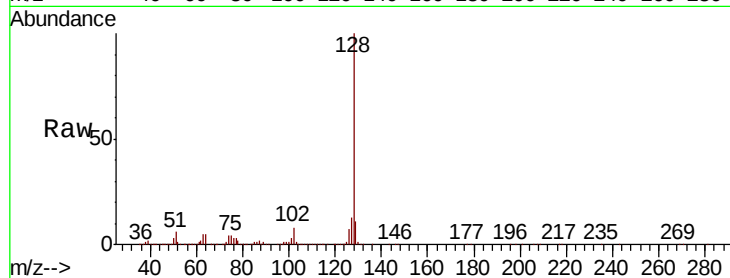
ClientSampleId :

VX0214MBS01

Tot Ion:	128	Resp:	399375
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.5	15.7
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:48:12 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.116 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007516.D

Acq: 13 Feb 2019 12:57

Tgt Ion:	180	Resp:	128693
Ion Ratio	Lower	Upper	
180	100		
182	93.6	47.5	142.6
145	30.2	14.9	44.5

