

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020819\
 Data File : VX007443.D
 Acq On : 08 Feb 2019 15:42
 Operator : JC/SP
 Sample : VX0208WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0208WBS02

Manual Integrations
 APPROVED

MMDadoda
 2/11/2019 9:39:24 AM

Quant Time: Feb 08 23:18:26 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	456932	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	689750	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	626709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	314677	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	249718	51.49	ug/l	0.00
Spiked Amount			Recovery	=	102.98%	
35) Dibromofluoromethane	5.51	113	227134	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
50) Toluene-d8	8.71	98	824070	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
62) 4-Bromofluorobenzene	11.13	95	288635	47.48	ug/l	0.00
Spiked Amount			Recovery	=	94.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	108493	19.431	ug/l	98
3) Chloromethane	1.33	50	96265	18.704	ug/l	99
4) Vinyl Chloride	1.41	62	103291	20.457	ug/l	98
5) Bromomethane	1.64	94	94864	18.695	ug/l	98
6) Chloroethane	1.73	64	65220	19.968	ug/l	98
7) Trichlorofluoromethane	1.93	101	159064	20.139	ug/l	100
8) Diethyl Ether	2.19	74	60266	20.272	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	92577	19.705	ug/l	99
10) Methyl Iodide	2.51	142	129796	18.780	ug/l	99
11) Tert butyl alcohol	3.07	59	106078	105.687	ug/l	98
12) 1,1-Dichloroethene	2.38	96	85782	19.662	ug/l	99
13) Acrolein	2.30	56	48531	103.112	ug/l	99
14) Allyl chloride	2.73	41	142960	20.111	ug/l	97
15) Acrylonitrile	3.15	53	263282	106.036	ug/l	99
16) Acetone	2.45	43	259093	116.622	ug/l	99
17) Carbon Disulfide	2.57	76	197843	18.727	ug/l	100
18) Methyl Acetate	2.78	43	137969	24.145	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	290070	20.523	ug/l	95
20) Methylene Chloride	2.86	84	96277	20.988	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	90579	19.490	ug/l	95
22) Diisopropyl ether	3.87	45	264803	20.251	ug/l	91
23) Vinyl Acetate	3.82	43	1104753	101.815	ug/l	99
24) 1,1-Dichloroethane	3.70	63	151014	20.111	ug/l	98
25) 2-Butanone	4.70	43	332452	105.151	ug/l	100
26) 2,2-Dichloropropane	4.59	77	107048	18.719	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	98437	19.392	ug/l	99
28) Bromochloromethane	5.02	49	68506	19.838	ug/l	99
29) Tetrahydrofuran	5.15	42	217242	109.251	ug/l	99
30) Chloroform	5.22	83	159243	20.323	ug/l	100
31) Cyclohexane	5.57	56	129075	19.139	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	134530	20.340	ug/l	99
36) 1,1-Dichloropropene	5.80	75	111072	17.948	ug/l	99
37) Ethyl Acetate	4.86	43	125502	20.061	ug/l	99
38) Carbon Tetrachloride	5.78	117	115151	19.179	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	137827	18.407	ug/l	97
40) Benzene	6.14	78	351572	19.285	ug/l	98
41) Methacrylonitrile	5.06	41	70129	20.916	ug/l	99
42) 1,2-Dichloroethane	6.20	62	124501	19.739	ug/l	99
43) Isopropyl Acetate	6.46	43	192023	19.886	ug/l	99
44) Trichloroethene	7.21	130	103734	18.893	ug/l	99
45) 1,2-Dichloropropane	7.51	63	89606	19.618	ug/l	98
46) Dibromomethane	7.66	93	65276	19.663	ug/l	97
47) Bromodichloromethane	7.90	83	106769	18.977	ug/l	97
48) Methyl methacrylate	7.77	41	97848	20.258	ug/l	98
49) 1,4-Dioxane	7.74	88	41084	378.329	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	649426	102.163	ug/l	100
52) Toluene	8.79	92	223927	19.038	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	112461	18.609	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	129521	19.489	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	97102	19.805	ug/l	98
56) Ethyl methacrylate	9.18	69	132107	19.455	ug/l	98
57) 1,3-Dichloropropane	9.37	76	153338	19.666	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	366274	102.335	ug/l	99
59) 2-Hexanone	9.49	43	494608	99.989	ug/l	100
60) Dibromochloromethane	9.58	129	91753	19.787	ug/l	98
61) 1,2-Dibromoethane	9.67	107	103392	19.913	ug/l	100
64) Tetrachloroethene	9.34	164	107796	18.249	ug/l	93
65) Chlorobenzene	10.14	112	256914	18.786	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	92805	20.240	ug/l	98
67) Ethyl Benzene	10.25	91	414489	18.820	ug/l	98
68) m/p-Xylenes	10.36	106	322976	36.892	ug/l	99
69) o-Xylene	10.70	106	158069	18.764	ug/l	97
70) Styrene	10.71	104	258062	18.889	ug/l	99
71) Bromoform	10.86	173	64542	18.785	ug/l #	100
73) Isopropylbenzene	11.02	105	424762	19.864	ug/l	98
74) N-amyl acetate	10.90	43	165595	20.021	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	140620	21.577	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	134232m	21.930	ug/l	
77) Bromobenzene	11.26	156	118185	19.616	ug/l	99
78) n-propylbenzene	11.36	91	468183	19.966	ug/l	100
79) 2-Chlorotoluene	11.42	91	277569	19.508	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	345249	19.734	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	35171	20.487	ug/l	96
82) 4-Chlorotoluene	11.51	91	318630	19.354	ug/l	100
83) tert-Butylbenzene	11.77	119	334113	19.290	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	358536	20.186	ug/l	99
85) sec-Butylbenzene	11.94	105	421095	20.087	ug/l	100
86) p-Isopropyltoluene	12.06	119	372063	19.661	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	206845	19.129	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	208836	19.037	ug/l	98
89) n-Butylbenzene	12.39	91	306786	18.845	ug/l	99
90) Hexachloroethane	12.60	117	55096	19.453	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	204795	19.031	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	28229	20.832	ug/l	97

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ClientSampleId :
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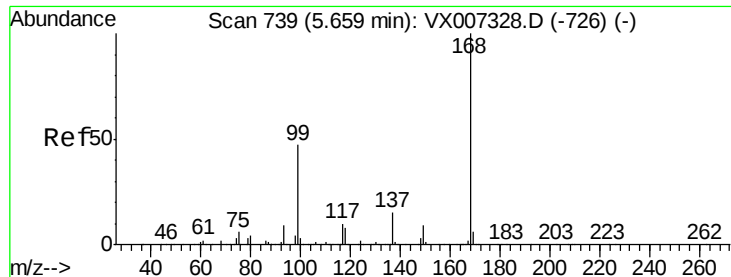
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	136599	18.823	ug/l	99
94) Hexachlorobutadiene	13.78	225	64736	18.371	ug/l	100
95) Naphthalene	13.83	128	427247	20.132	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	135551	18.556	ug/l	97

(#) = 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: VX007443.D

Acq: 08 Feb 2019 15:42

Instrument :

MSVOA_X

ClientSampleId :

VX0208WBS02

Tot Ion:168 Resp: 456932

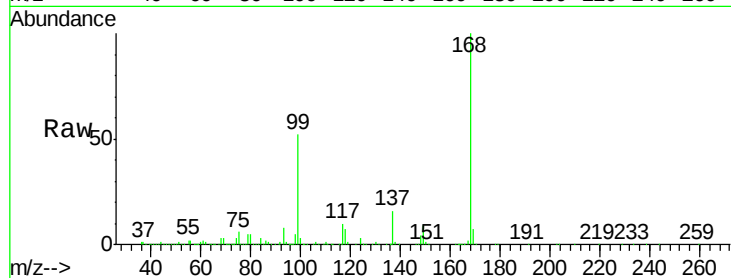
Ion Ratio Lower Upper

168 100

99 51.6 37.9 56.9

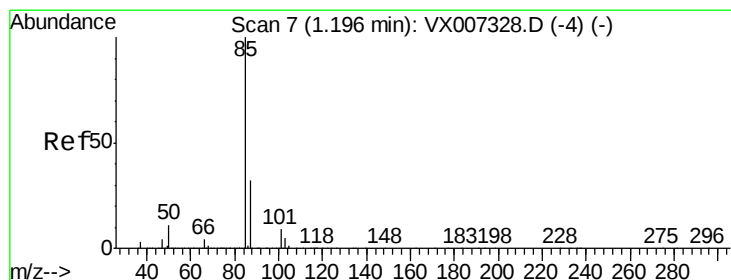
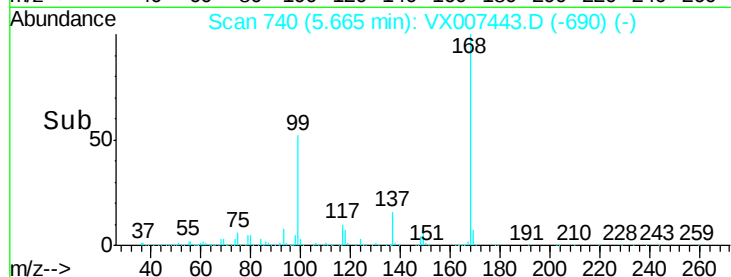
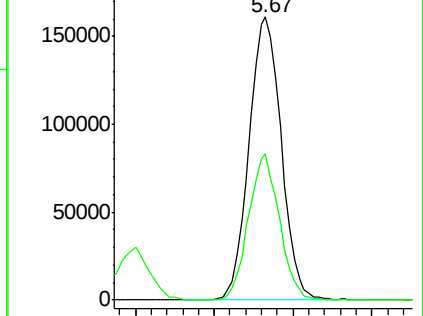
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 19.431 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007443.D

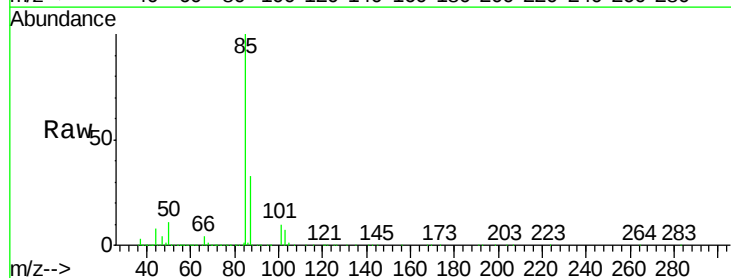
Acq: 08 Feb 2019 15:42

Tgt Ion: 85 Resp: 108493

Ion Ratio Lower Upper

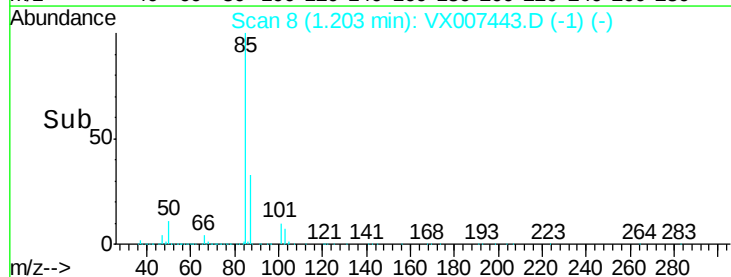
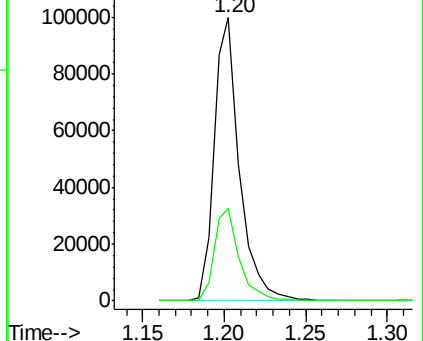
85 100

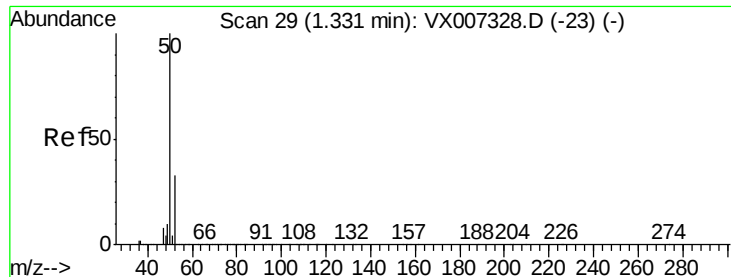
87 32.6 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 18.704 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

Instrument :

MSVOA_X

ClientSampleId :

VX0208WBS02

Tot Ion: 50 Resp: 96265

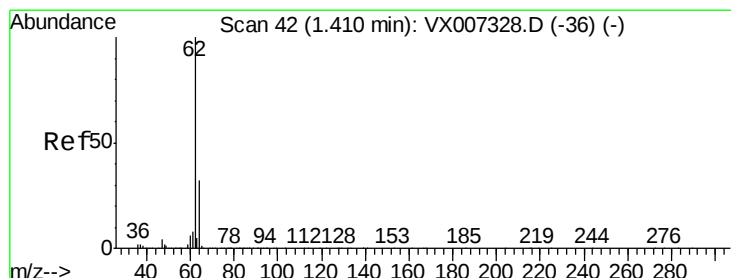
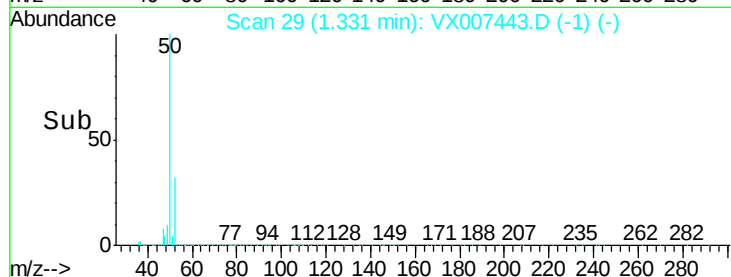
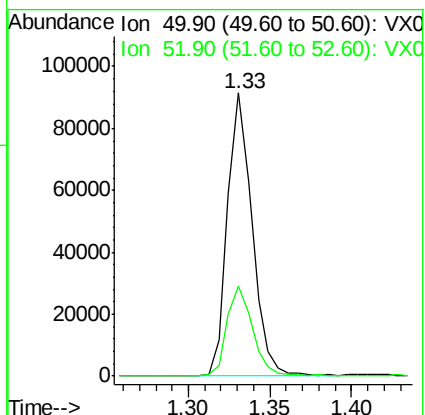
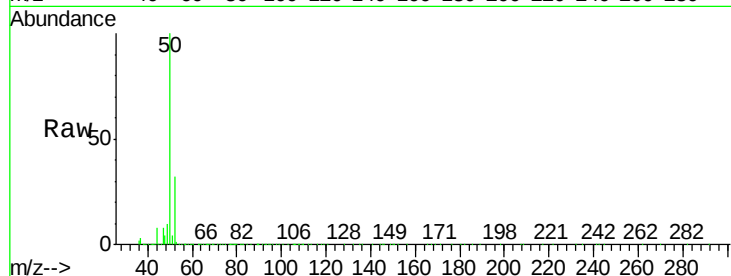
Ion Ratio Lower Upper

50 100

52 31.8 26.1 39.1

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#4

Vinyl Chloride

Concen: 20.457 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007443.D

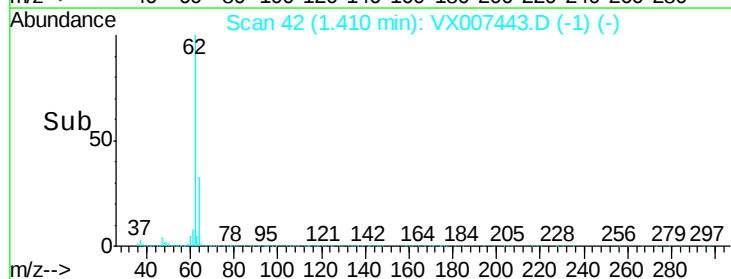
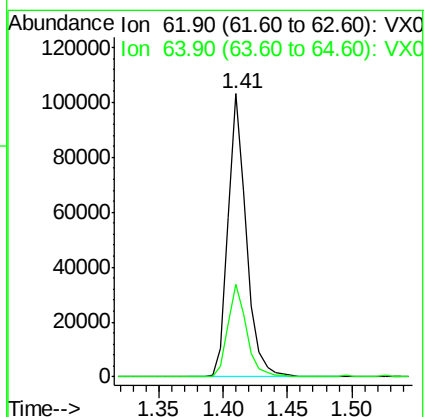
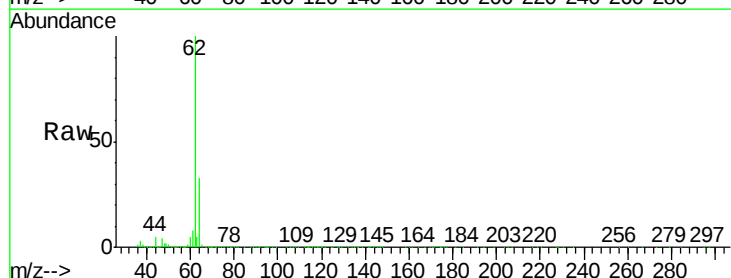
Acq: 08 Feb 2019 15:42

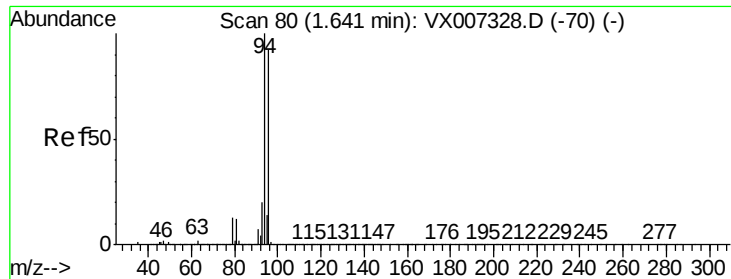
Tgt Ion: 62 Resp: 103291

Ion Ratio Lower Upper

62 100

64 32.7 25.4 38.0





#5

Bromomethane

Concen: 18.695 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

Instrument :

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ClientSampleId :

VX0208WBS02

Tot Ion: 94 Resp: 94864

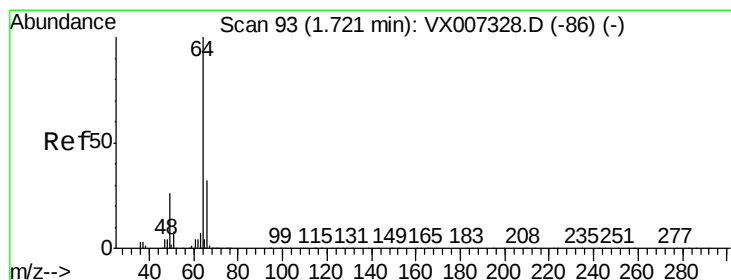
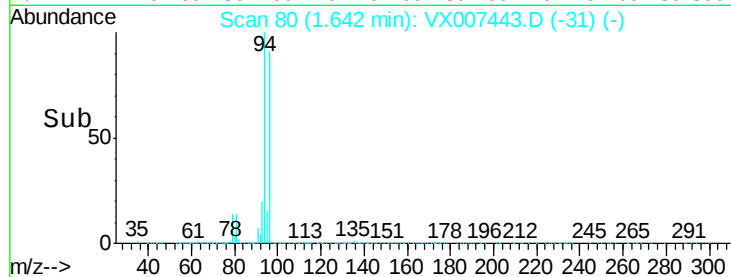
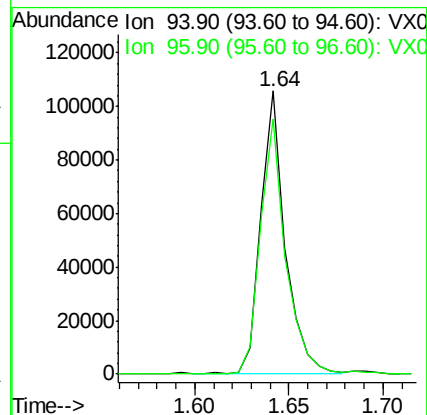
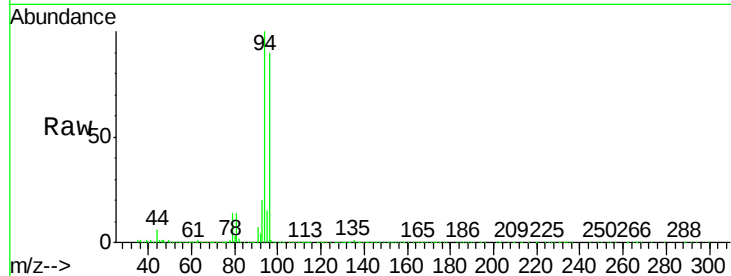
Ion Ratio Lower Upper

94 100

96 90.1 73.9 110.9

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#6

Chloroethane

Concen: 19.968 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX007443.D

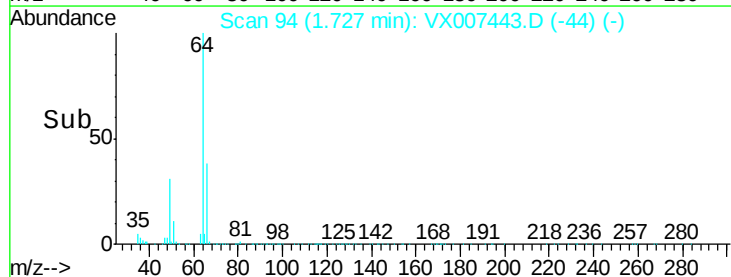
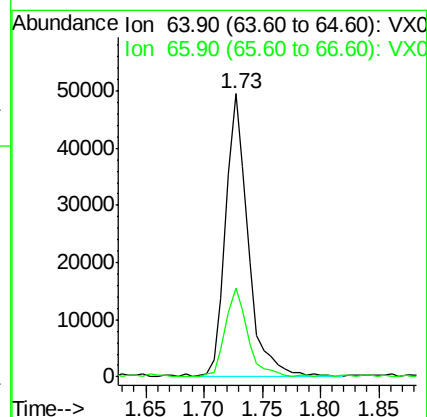
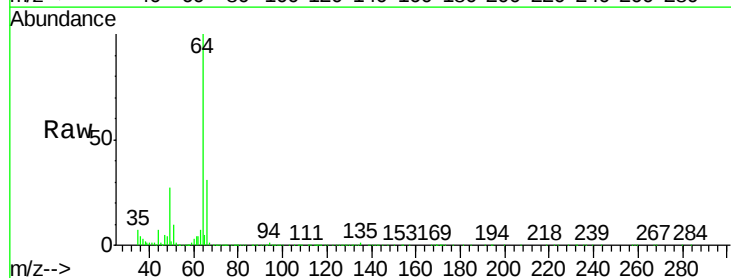
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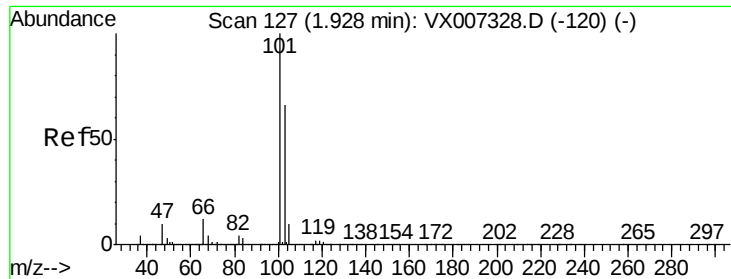
Tgt Ion: 64 Resp: 65220

Ion Ratio Lower Upper

64 100

66 31.1 25.5 38.3





#7

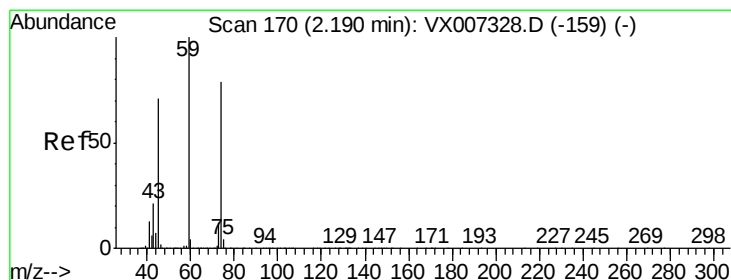
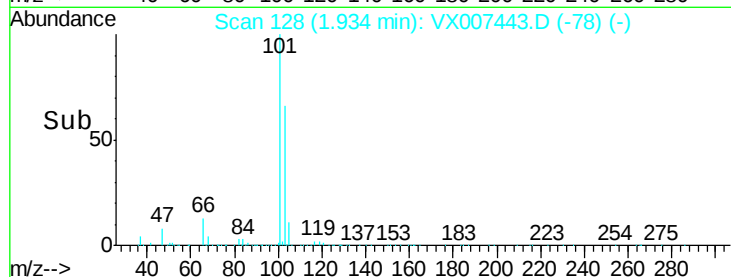
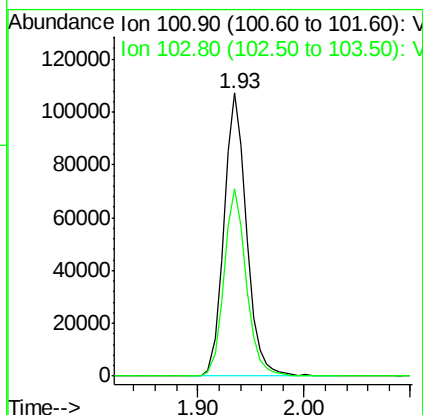
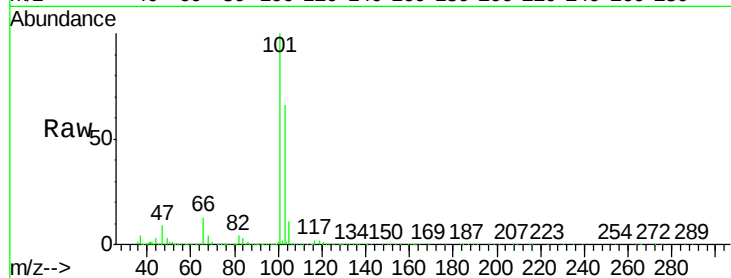
Trichlorofluoromethane
Concen: 20.139 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX007443.D
Acq: 08 Feb 2019 15:42

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		159064		
103	66.1	52.6	79.0		

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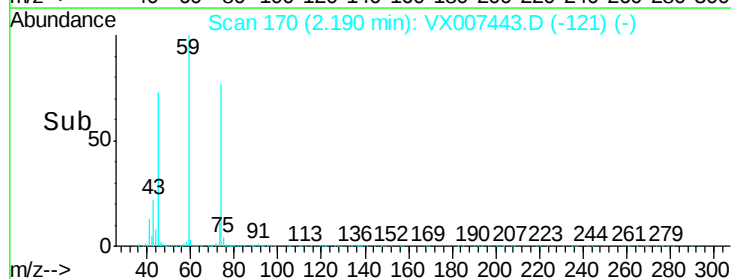
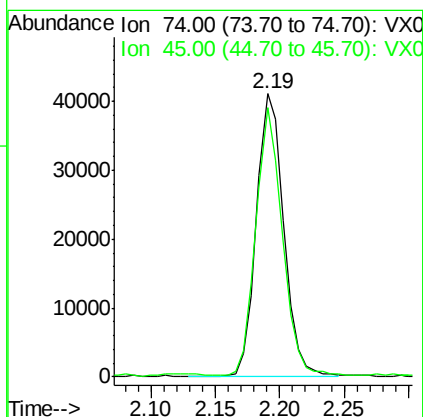
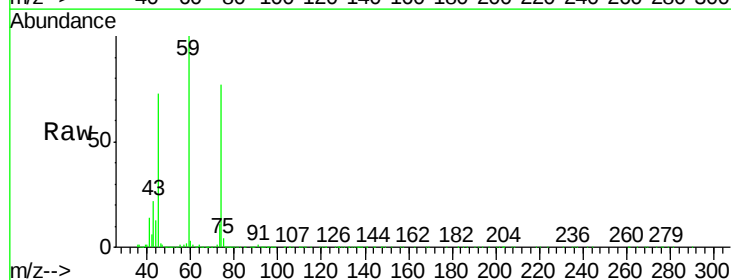
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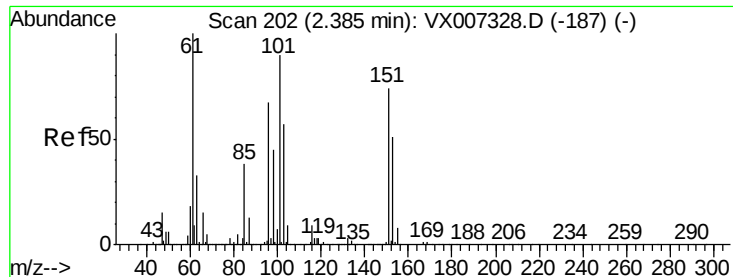


#8

Diethyl Ether
Concen: 20.272 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007443.D
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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		60266		
45	90.2	45.7	137.1		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.705 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007443.D

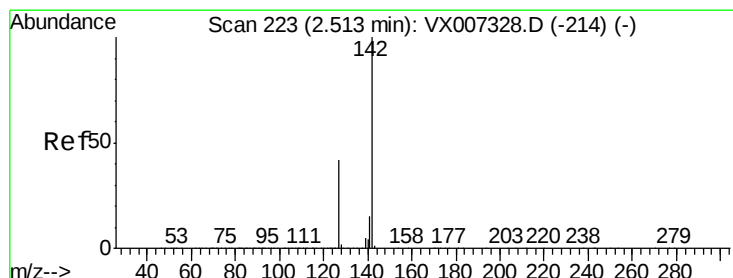
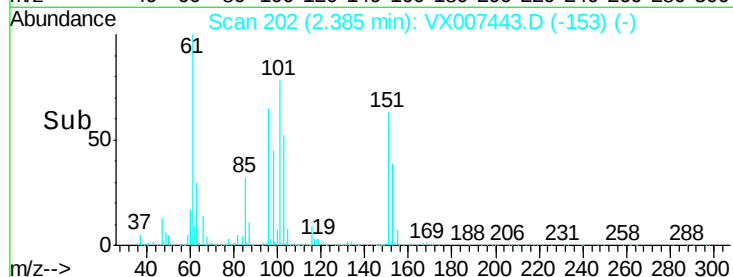
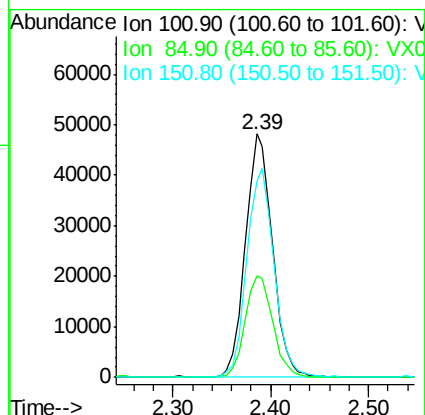
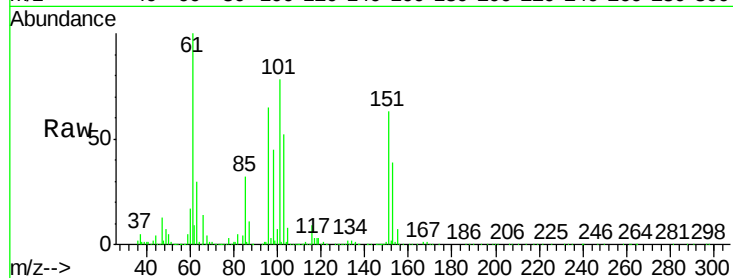
Acq: 08 Feb 2019 15:42

Instrument :
MSVOA_X
ClientSampleId :
VX0208WBS02

Tot Ion:	101	Resp:	92577
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.1	51.1
151	86.7	69.9	104.9

Manual Integrations
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#10

Methyl Iodide

Concen: 18.780 ug/l

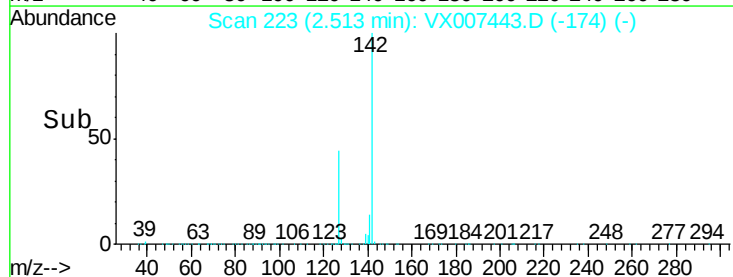
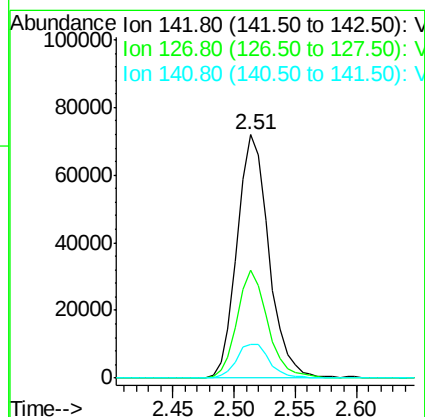
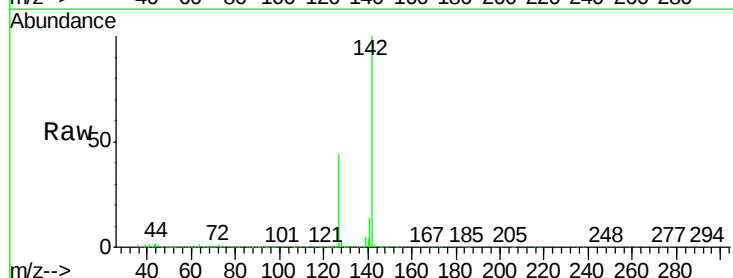
RT: 2.51 min Scan# 223

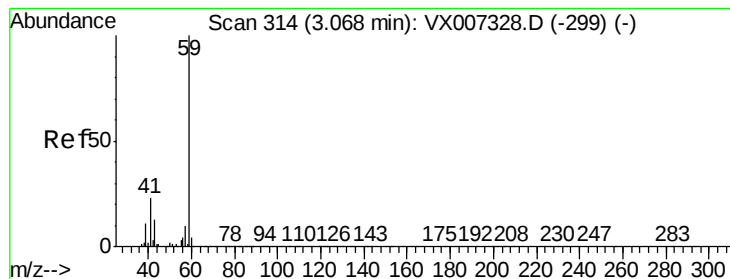
Delta R.T. 0.00 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

Tgt Ion:	142	Resp:	129796
Ion Ratio	Lower	Upper	
142	100		
127	42.3	33.7	50.5
141	14.7	11.3	16.9





#11

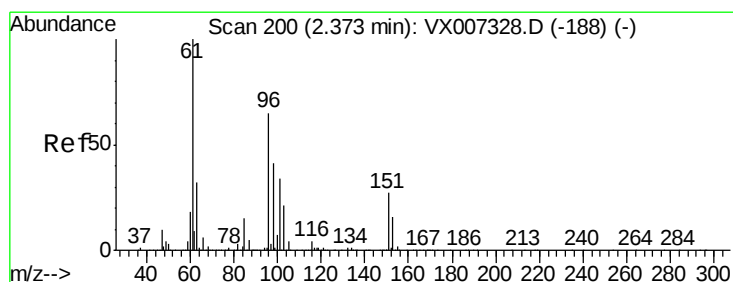
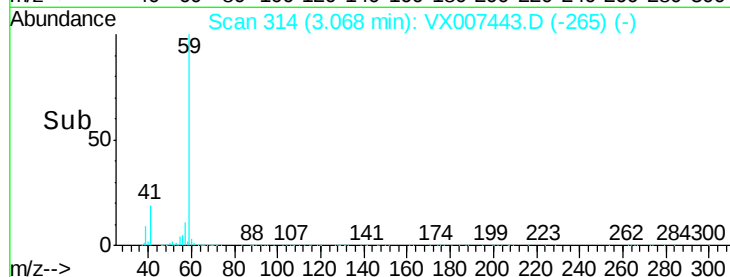
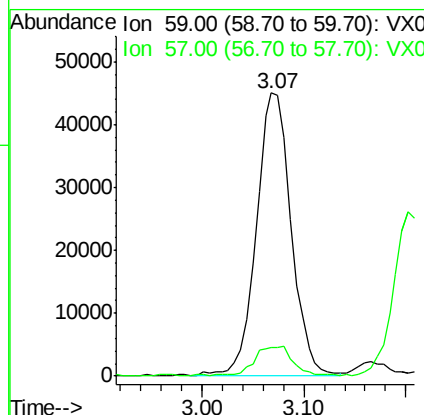
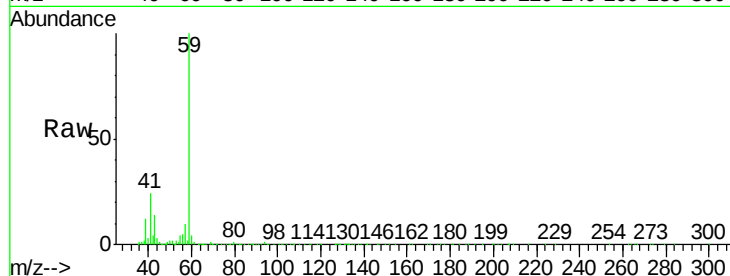
Tert butyl alcohol
Concen: 105.687 ug/l
RT: 3.07 min Scan# 314
Delta R.T. 0.00 min
Lab File: VX007443.D
Acq: 08 Feb 2019 15:42

Instrument :
MSVOA_X
ClientSampleId :
VX0208WBS02

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	10.9	8.1	12.1

Manual Integrations
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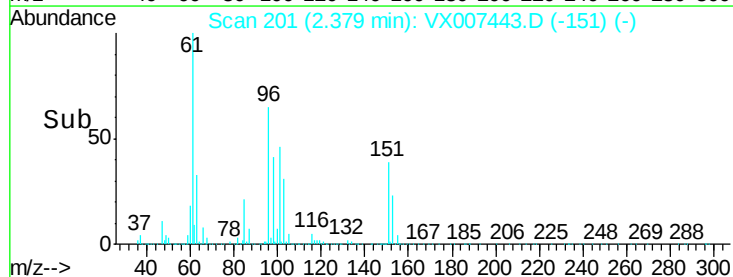
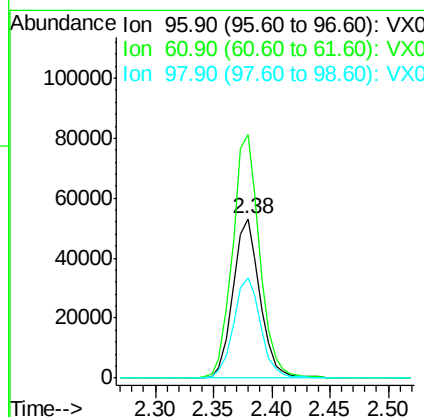
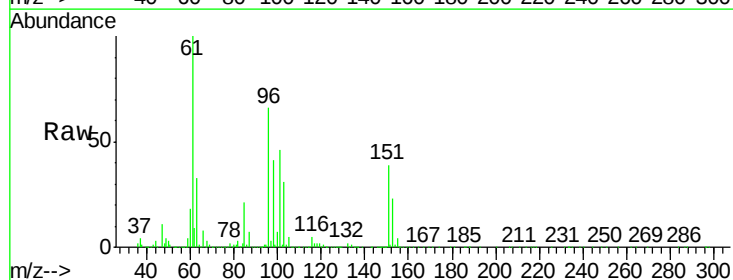
MMDadoda
2/11/2019 9:39:24 AM

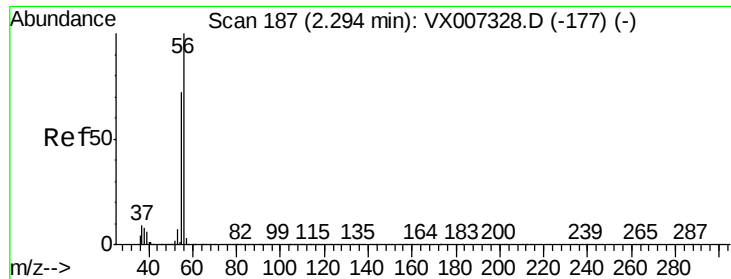


#12

1,1-Dichloroethene
Concen: 19.662 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX007443.D
Acq: 08 Feb 2019 15:42

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	152.3	123.0	184.4
98	98	62.8	50.9	76.3





#13

Acrolein

Concen: 103.112 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

Instrument :

MSVOA_X

ClientSampleId :

VX0208WBS02

Tot Ion: 56 Resp: 48531

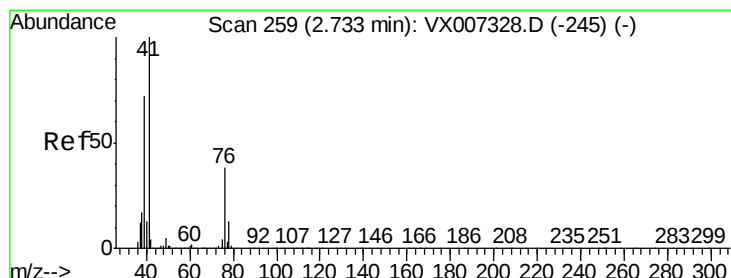
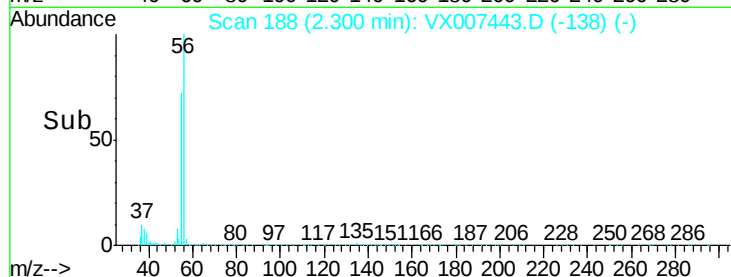
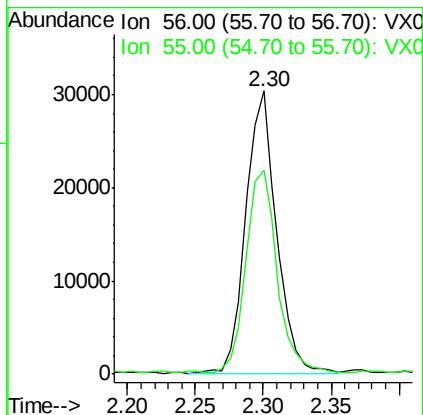
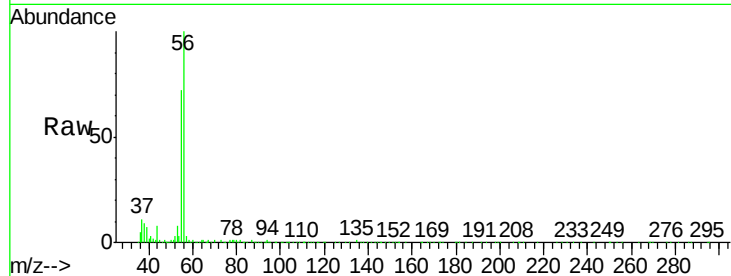
Ion Ratio Lower Upper

56 100

55 71.5 56.9 85.3

Manual Integrations
APPROVED

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#14

Allyl chloride

Concen: 20.111 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.00 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

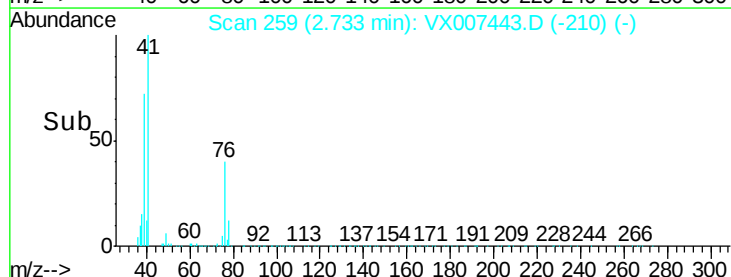
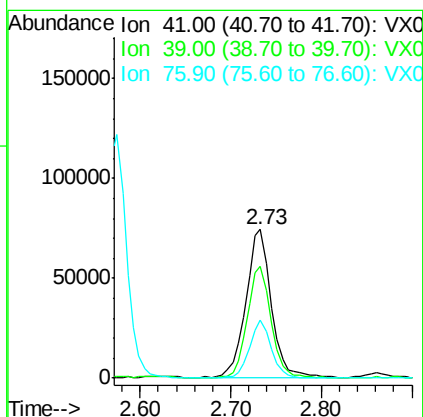
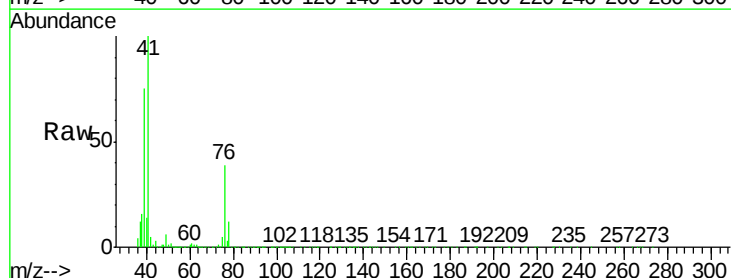
Tgt Ion: 41 Resp: 142960

Ion Ratio Lower Upper

41 100

39 70.1 54.1 81.1

76 33.8 27.8 41.8





#15

Acrylonitrile

Concen: 106.036 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

Instrument :

MSVOA_X

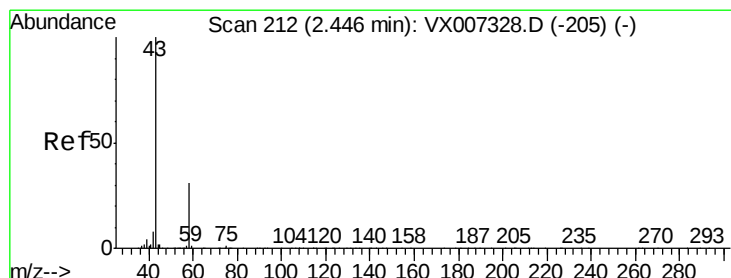
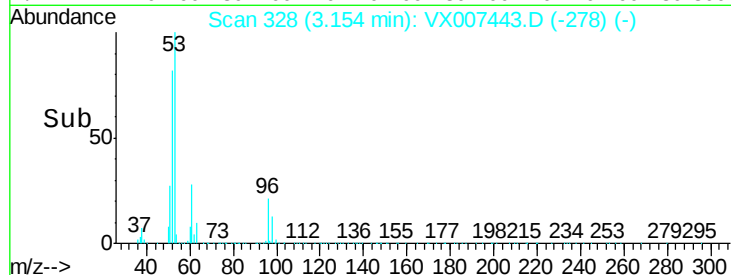
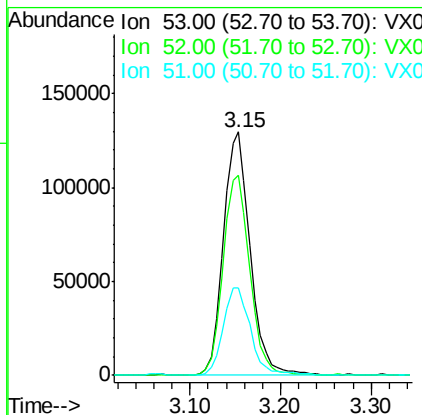
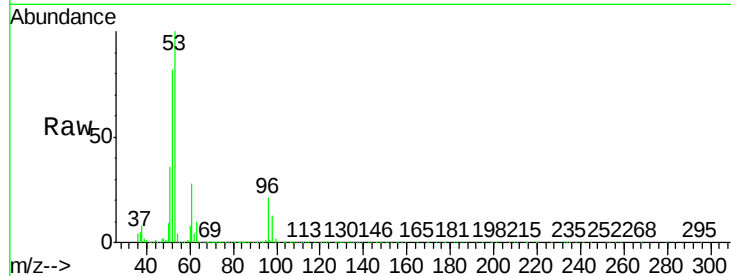
ClientSampleId :

VX0208WBS02

Tot Ion:	53	Resp:	263282
Ion Ratio		Lower	Upper
53	100		
52	82.5	66.4	99.6
51	36.7	28.4	42.6

Manual Integrations
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2/11/2019 9:39:24 AM



#16

Acetone

Concen: 116.622 ug/l

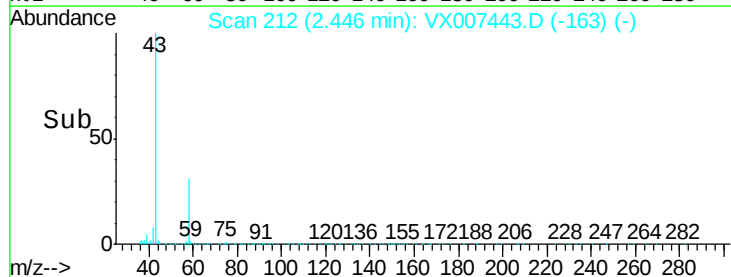
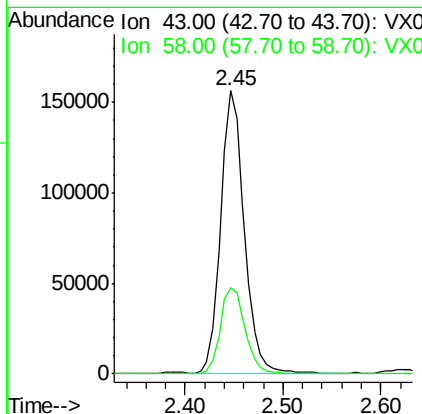
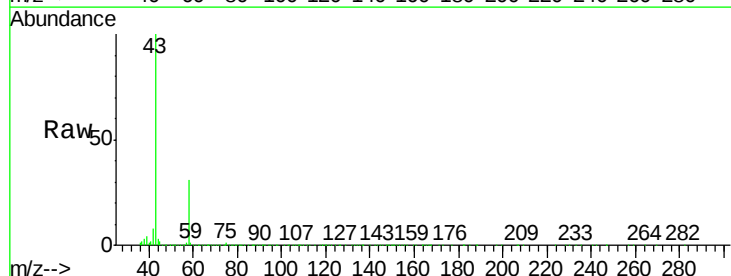
RT: 2.45 min Scan# 212

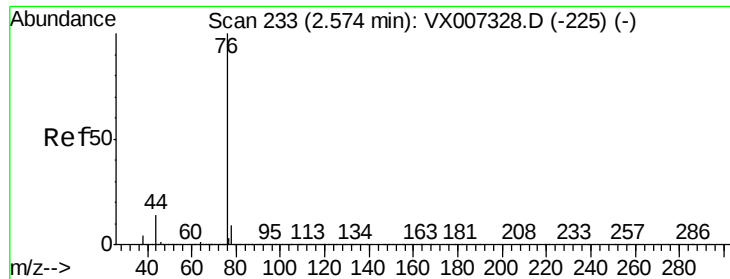
Delta R.T. 0.00 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

Tgt Ion:	43	Resp:	259093
Ion Ratio		Lower	Upper
43	100		
58	30.5	24.9	37.3





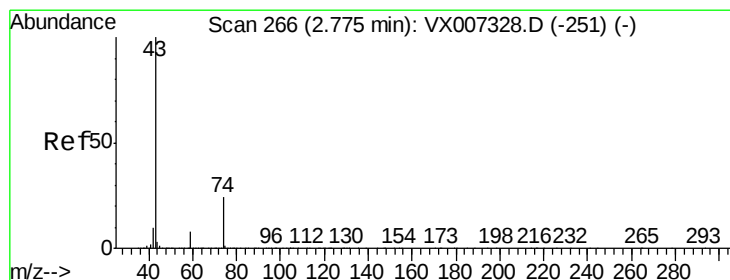
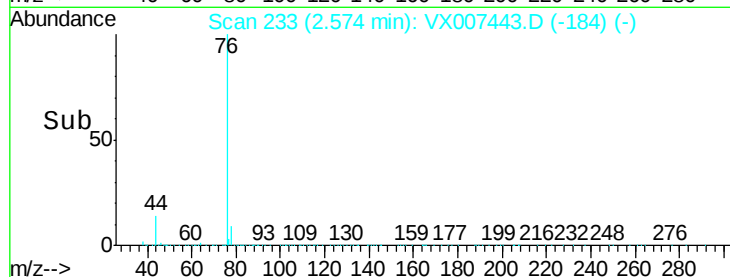
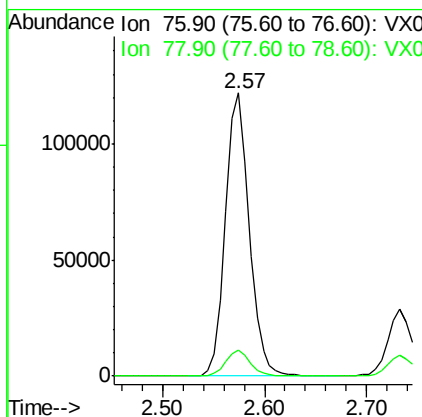
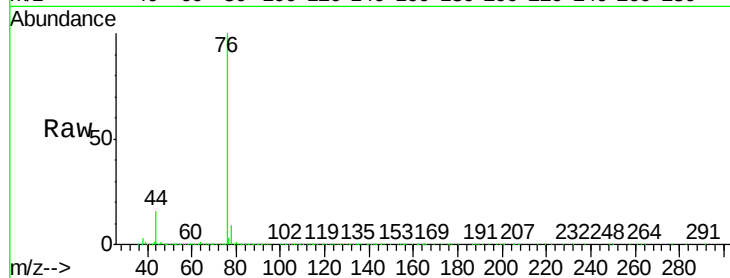
#17
Carbon Disulfide
Concen: 18.727 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.00 min
Lab File: VX007443.D
Acq: 08 Feb 2019 15:42

Instrument :
MSVOA_X
ClientSampleId :
VX0208WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

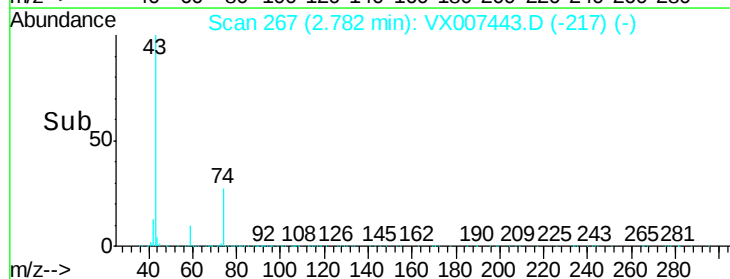
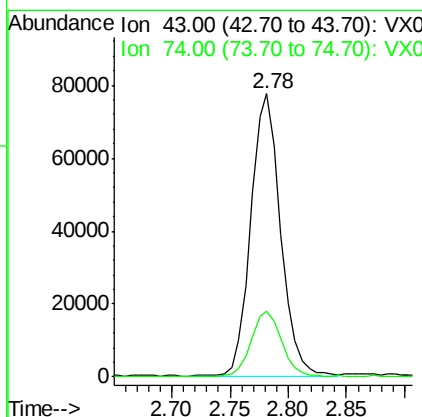
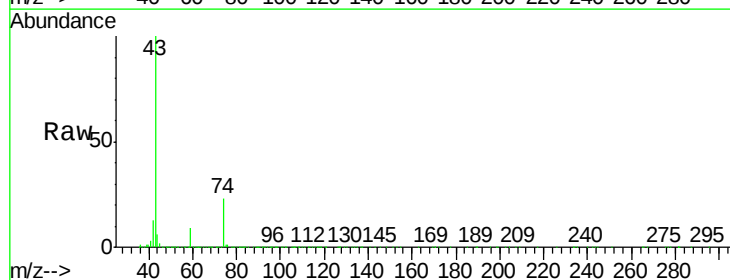
Manual Integrations
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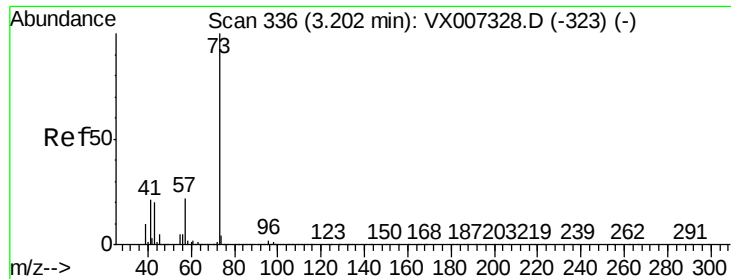
MMDadoda
2/11/2019 9:39:24 AM



#18
Methyl Acetate
Concen: 24.145 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX007443.D
Acq: 08 Feb 2019 15:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	19.4	29.2





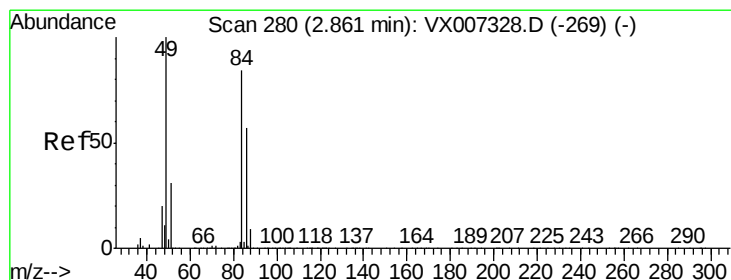
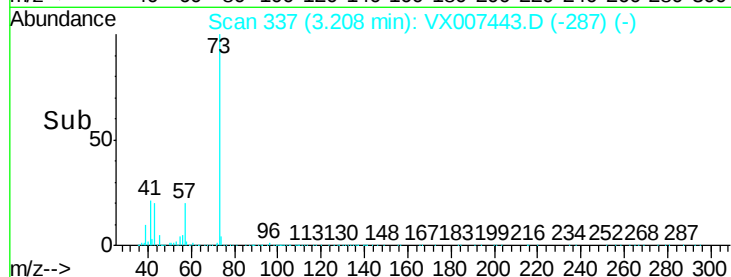
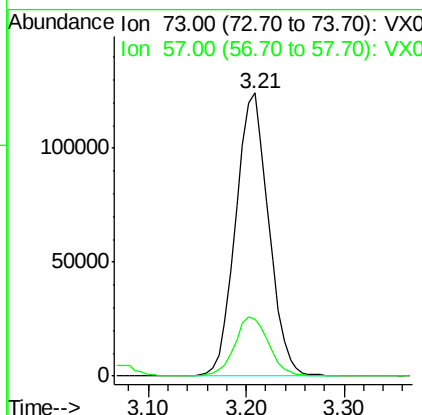
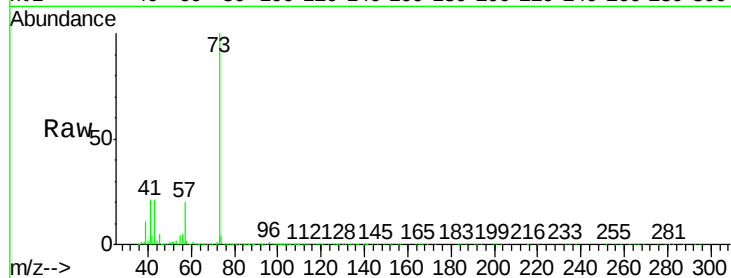
#19
Methvl tert-butvl Ether
Concen: 20.523 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX007443.D
Acq: 08 Feb 2019 15:42

Instrument :
MSVOA_X
ClientSampleId :
VX0208WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.0	17.8	26.8

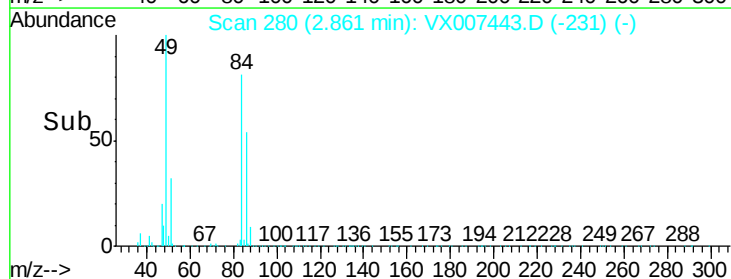
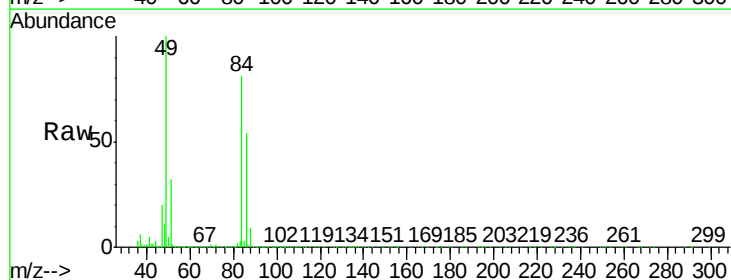
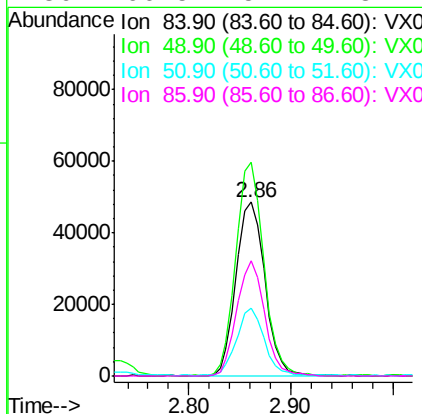
Manual Integrations
APPROVED

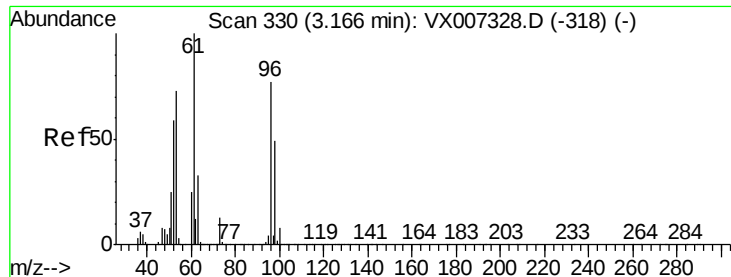
MMDadoda
2/11/2019 9:39:24 AM



#20
Methylene Chloride
Concen: 20.988 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007443.D
Acq: 08 Feb 2019 15:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.9	94.8	142.2
51	38.3	29.8	44.8
86	66.5	54.1	81.1





#21

trans-1,2-Dichloroethene

Concen: 19.490 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

Instrument :

MSVOA_X

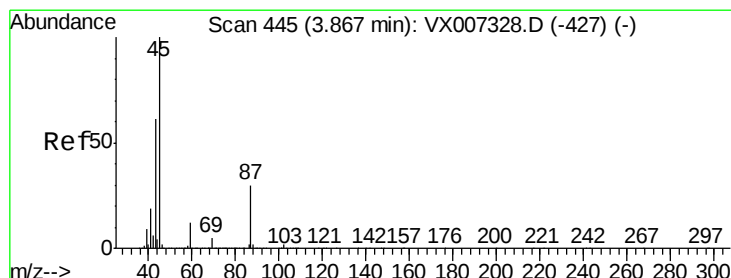
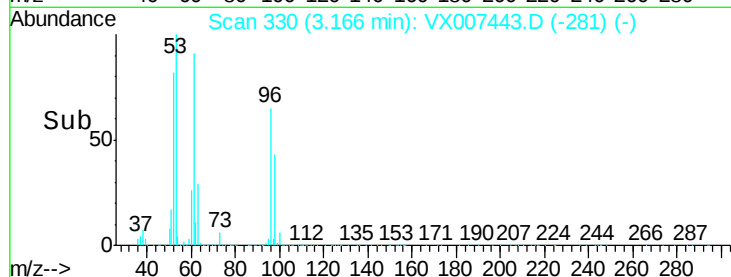
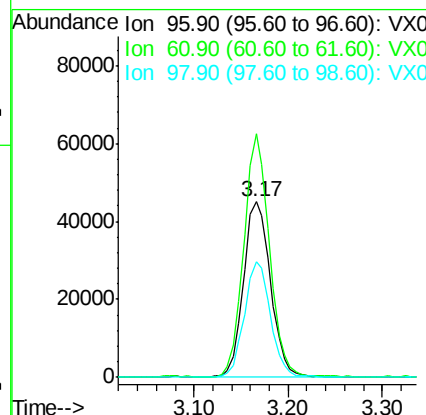
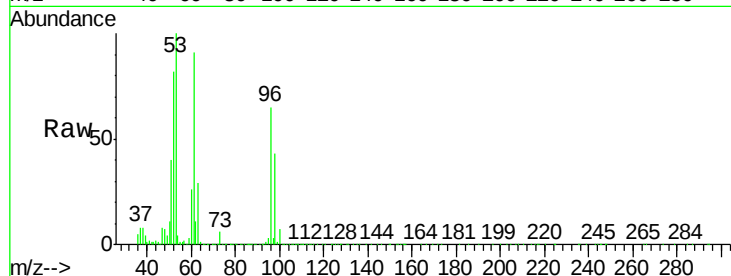
ClientSampleId :

VX0208WBS02

Tot Ion:	96	Resp:	90579
Ion	Ratio	Lower	Upper
96	100		
61	138.4	104.6	156.8
98	65.8	51.0	76.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.251 ug/l

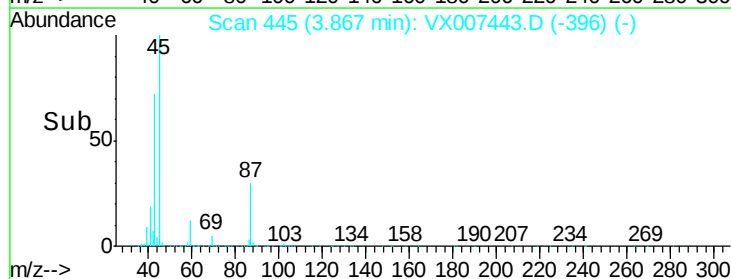
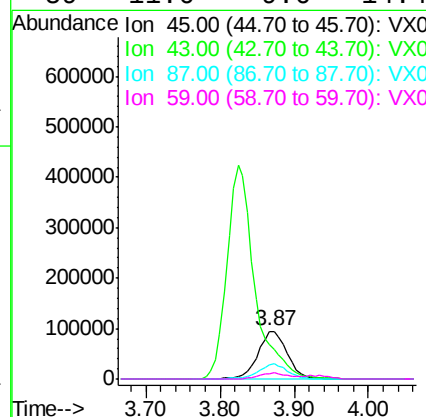
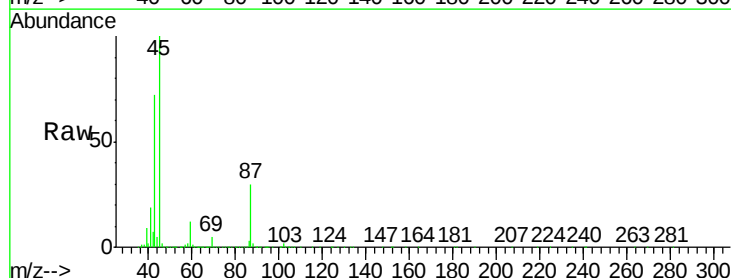
RT: 3.87 min Scan# 445

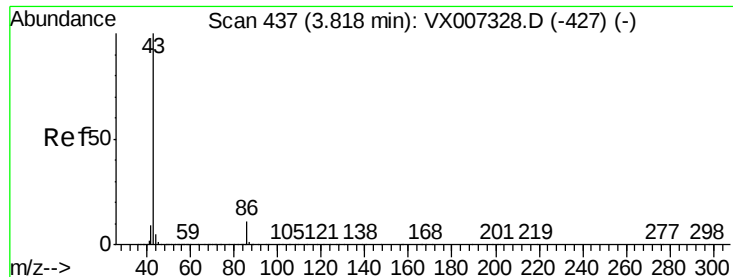
Delta R.T. 0.00 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

Tgt Ion:	45	Resp:	264803
Ion	Ratio	Lower	Upper
45	100		
43	71.7	48.9	73.3
87	29.5	23.9	35.9
59	11.6	9.6	14.4





#23

Vinyl Acetate

Concen: 101.815 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

Instrument :

MSVOA_X

ClientSampleId :

VX0208WBS02

Tot Ion: 43 Resp: 1104753

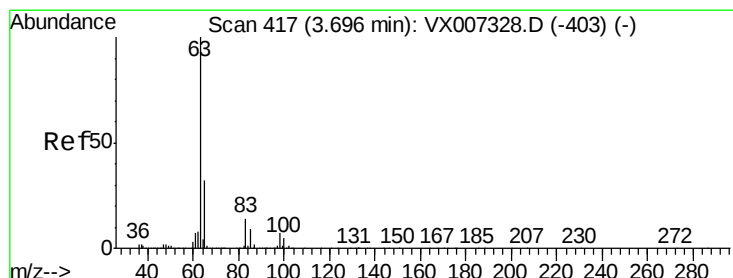
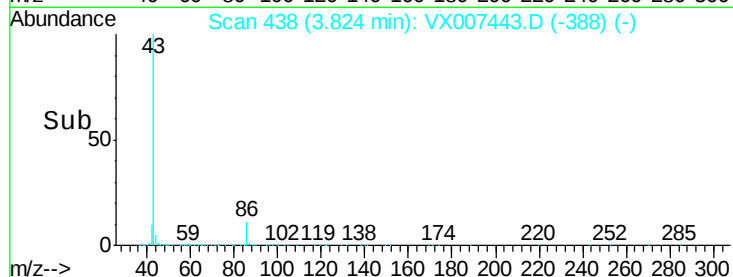
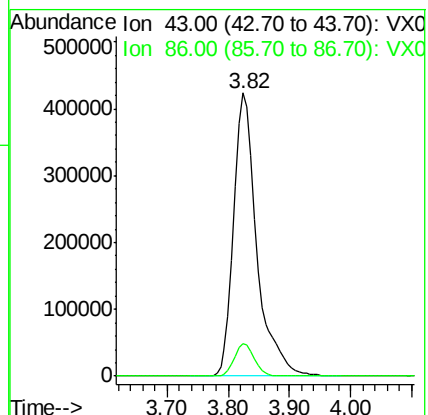
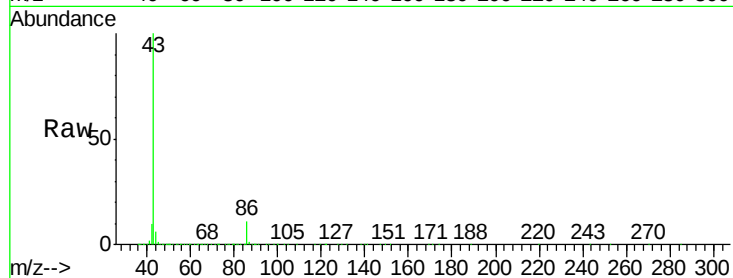
Ion Ratio Lower Upper

43 100

86 11.5 8.7 13.1

Manual Integrations
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2/11/2019 9:39:24 AM



#24

1,1-Dichloroethane

Concen: 20.111 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

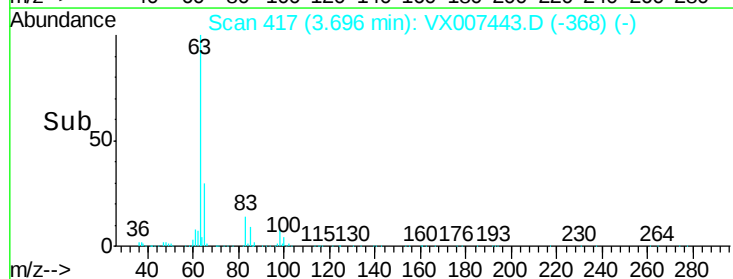
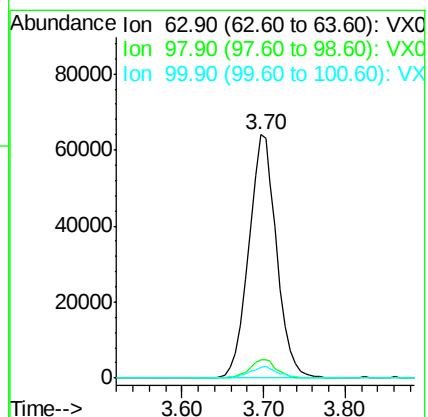
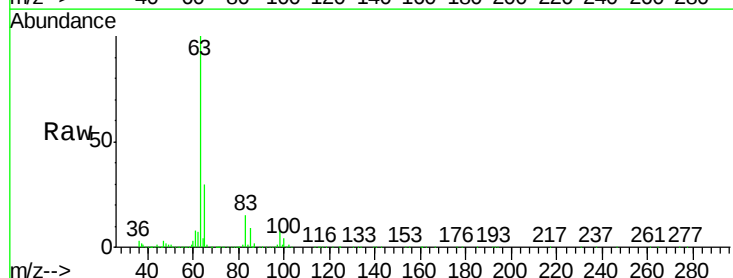
Tgt Ion: 63 Resp: 151014

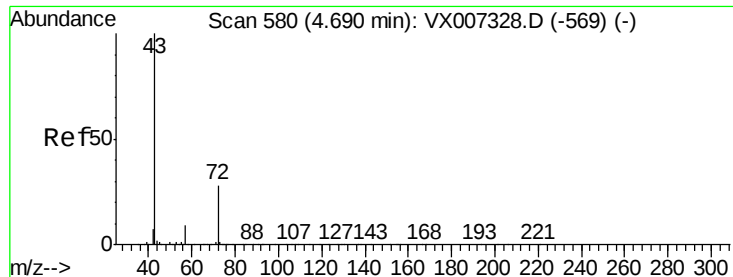
Ion Ratio Lower Upper

63 100

98 7.6 3.6 10.8

100 4.3 2.5 7.4





#25

2-Butanone

Concen: 105.151 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.01 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

Instrument :

MSVOA_X

ClientSampleId :

VX0208WBS02

Tot Ion: 43 Resp: 332452

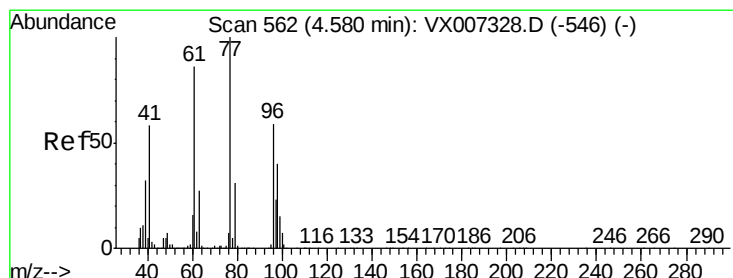
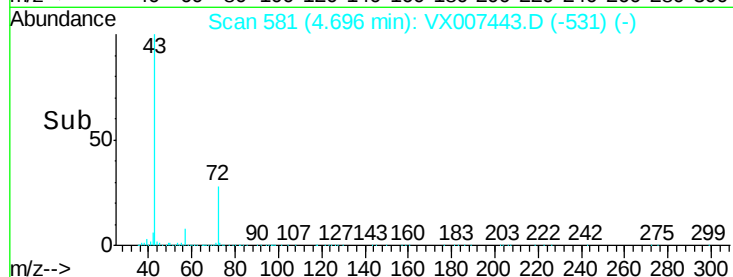
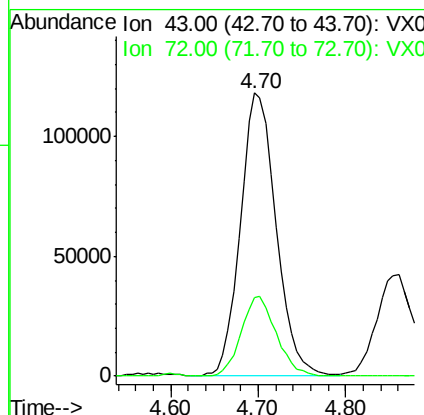
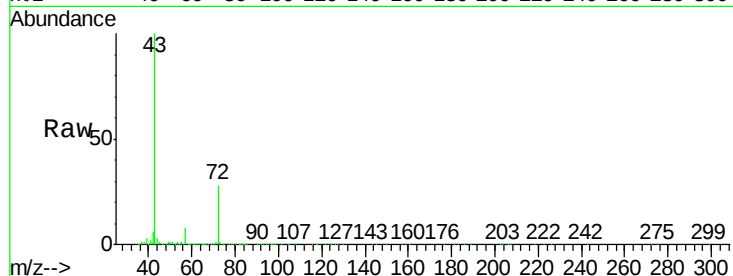
Ion Ratio Lower Upper

43 100

72 27.5 22.2 33.2

Manual Integrations
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2/11/2019 9:39:24 AM



#26

2,2-Dichloropropane

Concen: 18.719 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX007443.D

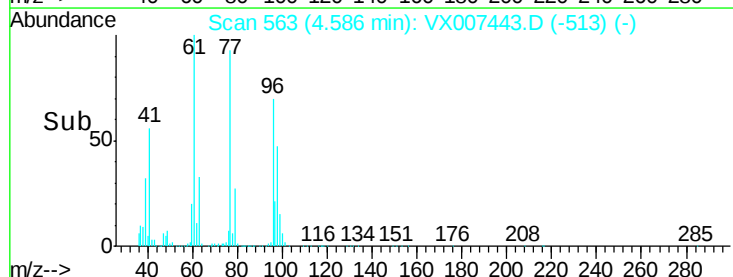
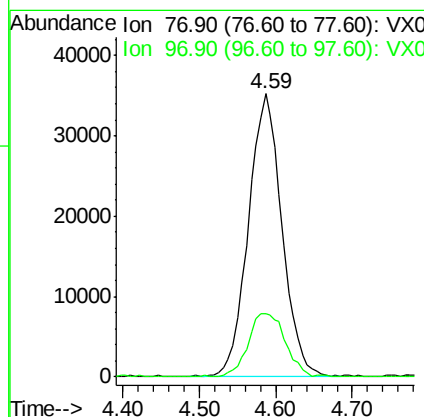
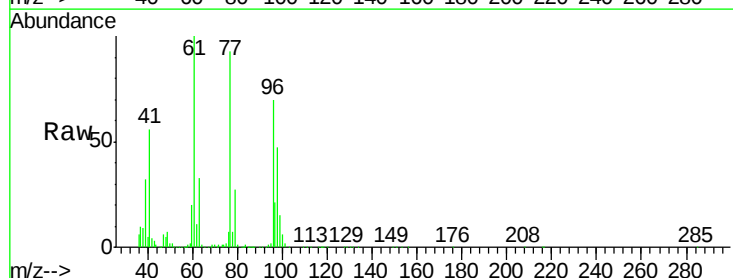
Acq: 08 Feb 2019 15:42

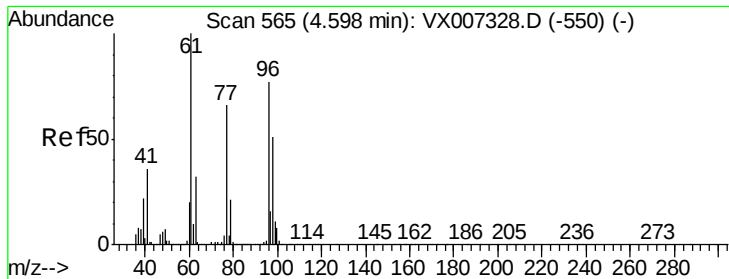
Tgt Ion: 77 Resp: 107048

Ion Ratio Lower Upper

77 100

97 24.6 12.1 36.3





#27

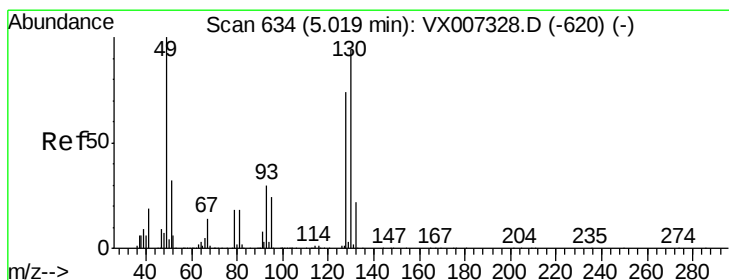
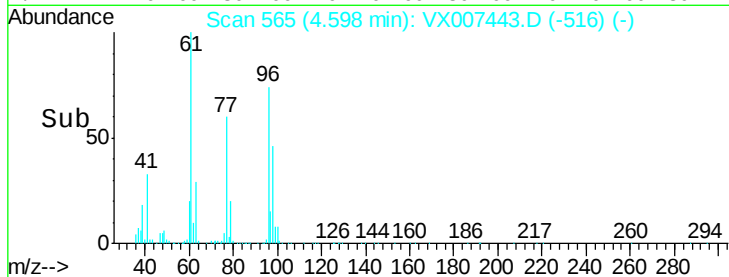
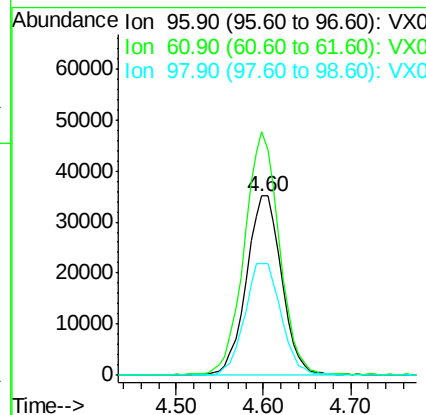
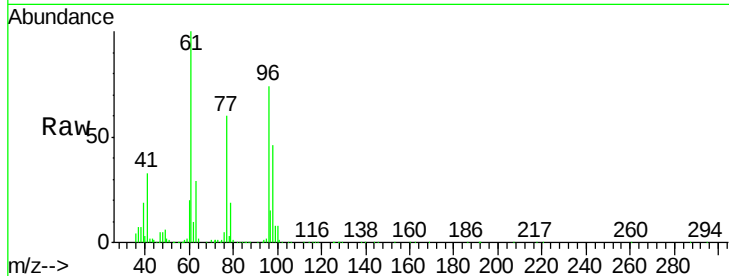
cis-1,2-Dichloroethene
 Concen: 19.392 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX007443.D
 Acq: 08 Feb 2019 15:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0208WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.5	0.0	265.6
98	64.9	0.0	131.6

Manual Integrations
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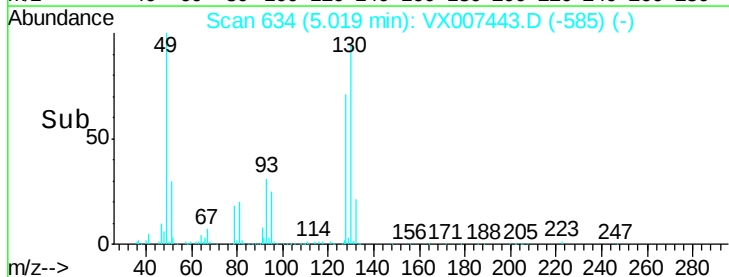
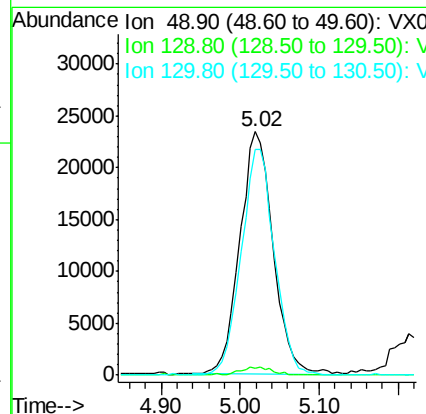
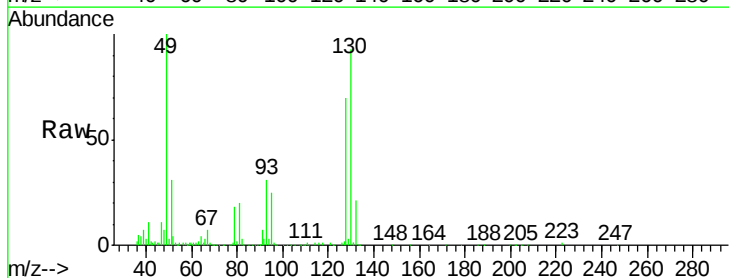
MMDadoda
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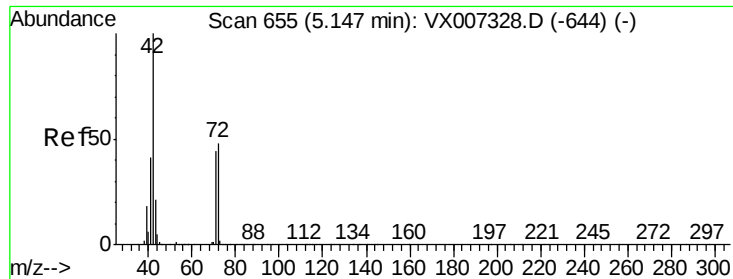


#28

Bromochloromethane
 Concen: 19.838 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VX007443.D
 Acq: 08 Feb 2019 15:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.2	0.0	5.6
130	93.3	75.6	113.4





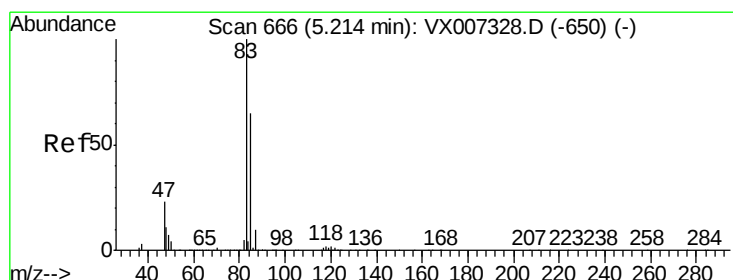
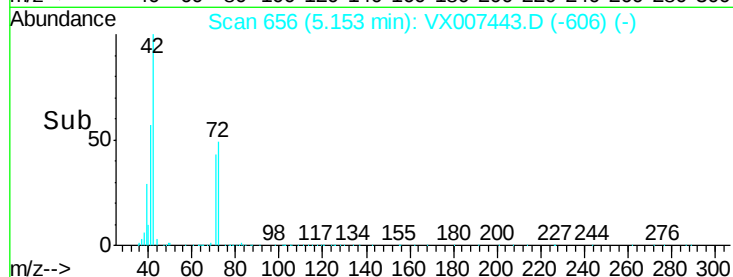
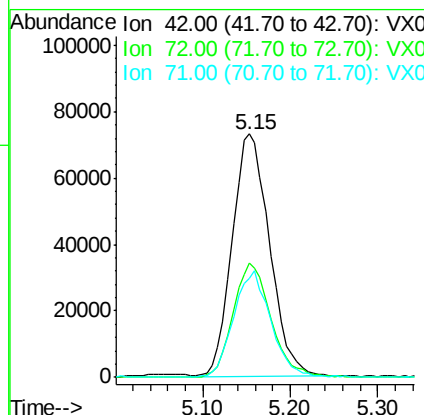
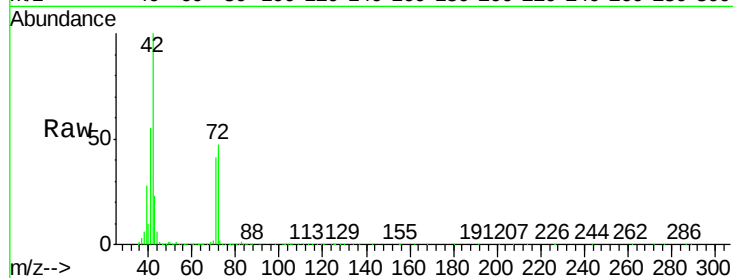
#29
Tetrahydrofuran
Concen: 109.251 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.01 min
Lab File: VX007443.D
Acq: 08 Feb 2019 15:42

Instrument :
MSVOA_X
ClientSampleId :
VX0208WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.9	37.6	56.4
71	43.5	34.6	51.8

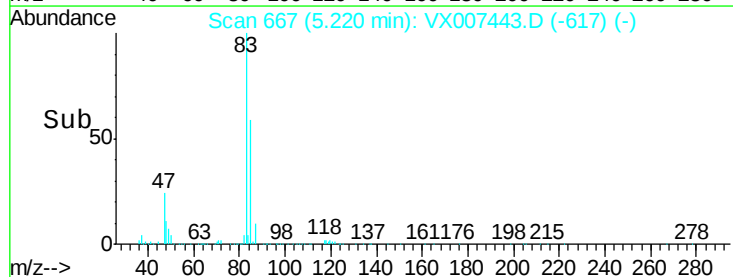
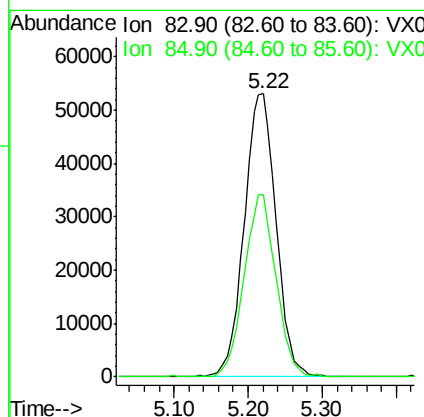
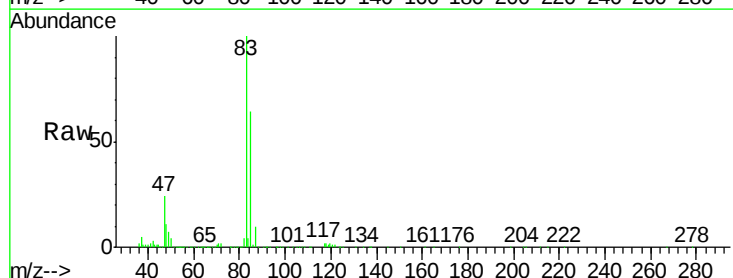
Manual Integrations
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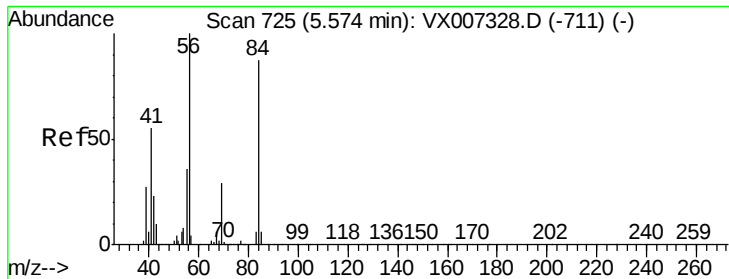
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#30
Chloroform
Concen: 20.323 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX007443.D
Acq: 08 Feb 2019 15:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.6	77.4





#31

Cyclohexane

Concen: 19.139 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

Instrument :

MSVOA_X

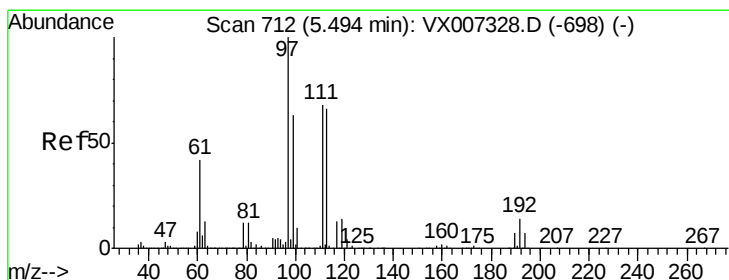
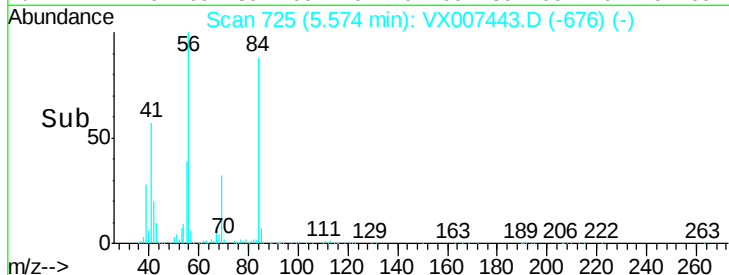
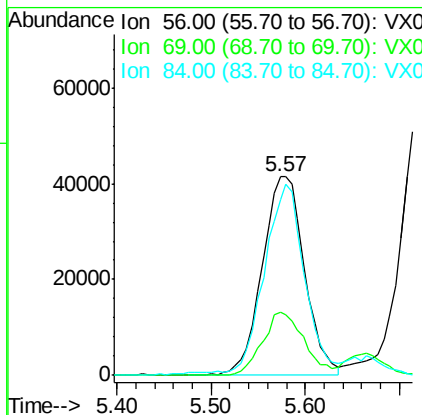
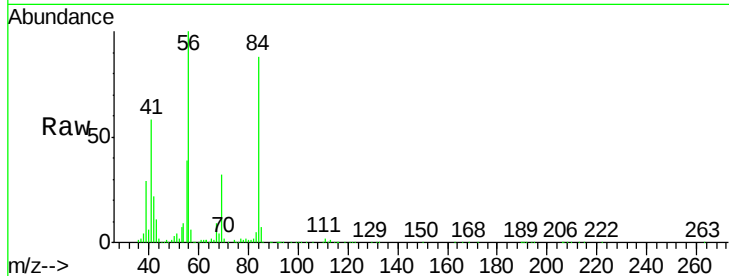
ClientSampleId :

VX0208WBS02

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	31.5	23.0	34.6	
84	87.0	69.8	104.6	

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#32

1,1,1-Trichloroethane

Concen: 20.340 ug/l

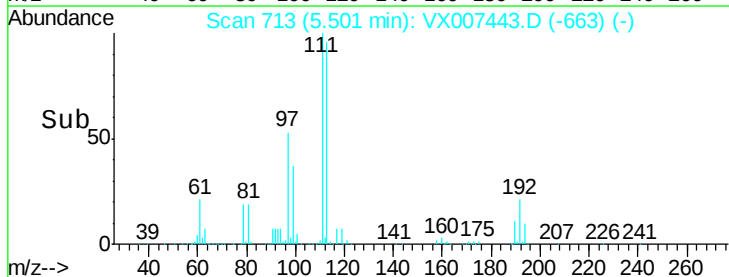
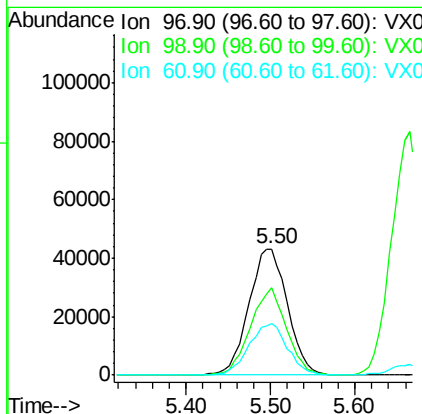
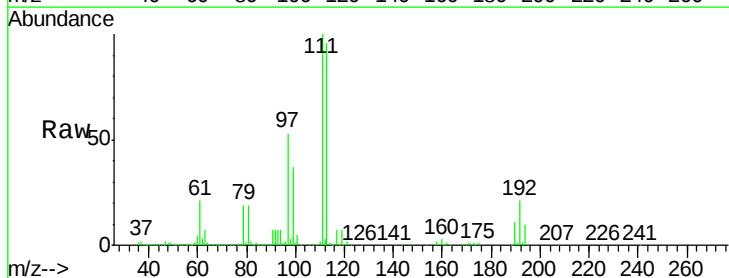
RT: 5.50 min Scan# 713

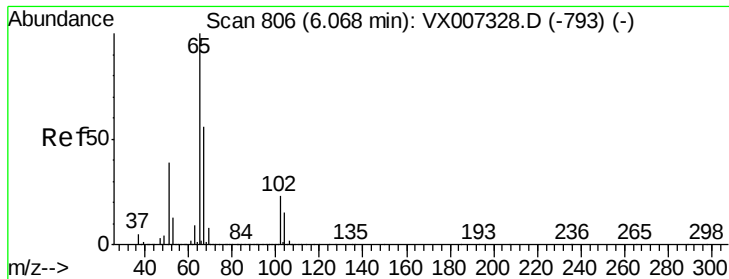
Delta R.T. 0.01 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.7	52.2	78.2	
61	40.5	32.7	49.1	





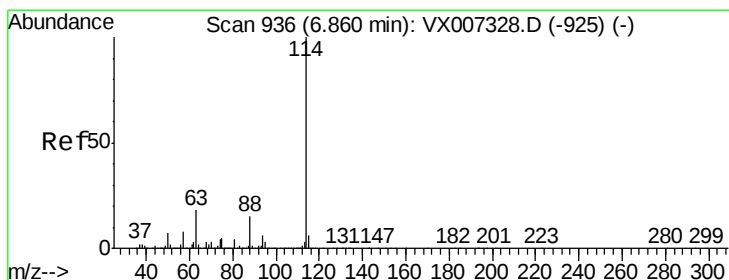
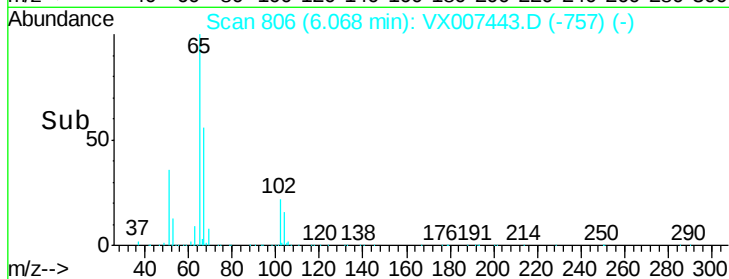
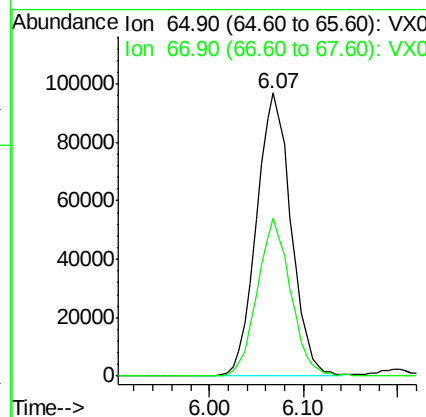
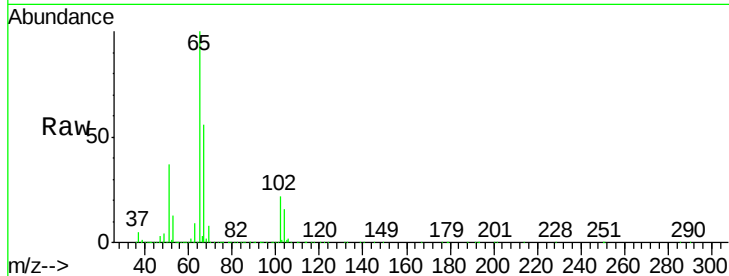
#33
 1,2-Dichloroethane-d4
 Concen: 51.489 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007443.D
 Acq: 08 Feb 2019 15:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0208WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	249718		
67	54.1	0.0	108.8	

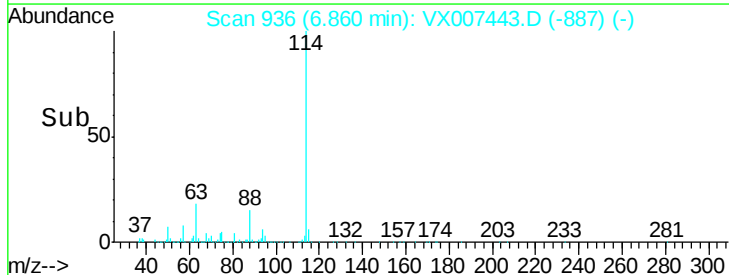
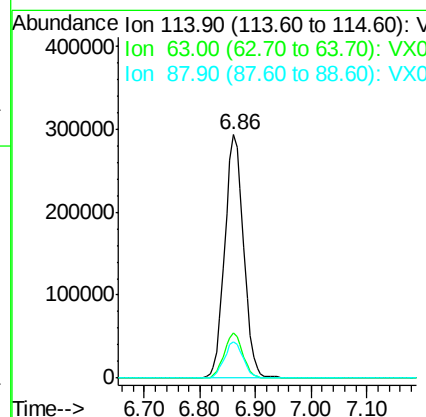
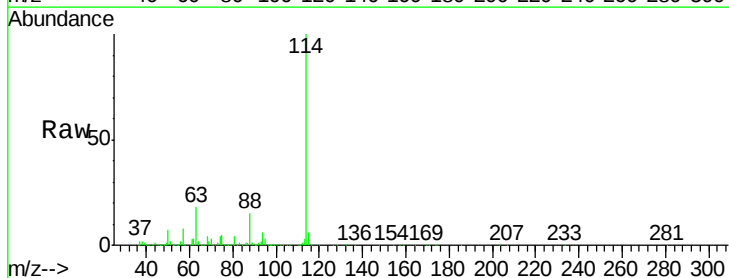
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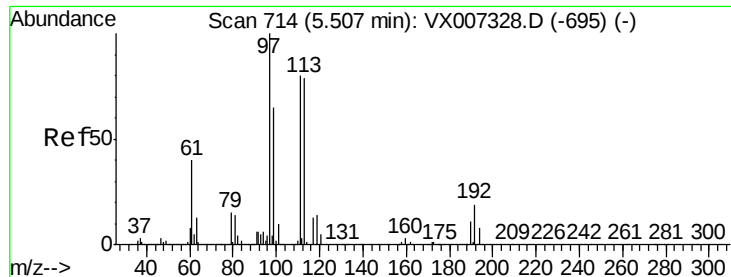
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007443.D
 Acq: 08 Feb 2019 15:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	689750		
63	18.4	0.0	35.6	
88	14.7	0.0	29.6	





#35

Dibromofluoromethane

Concen: 50.610 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.00 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

Instrument :

MSVOA_X

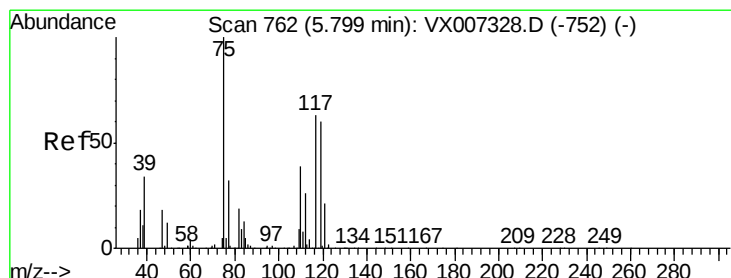
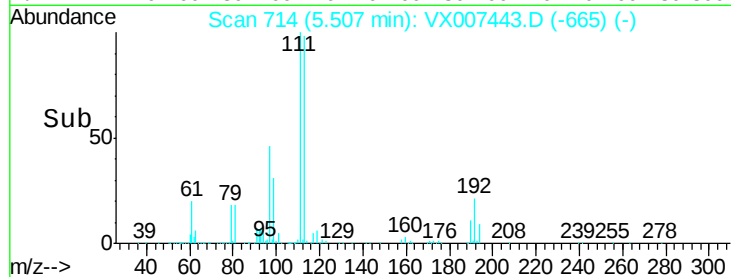
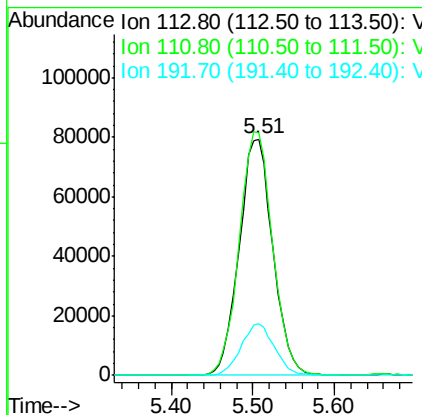
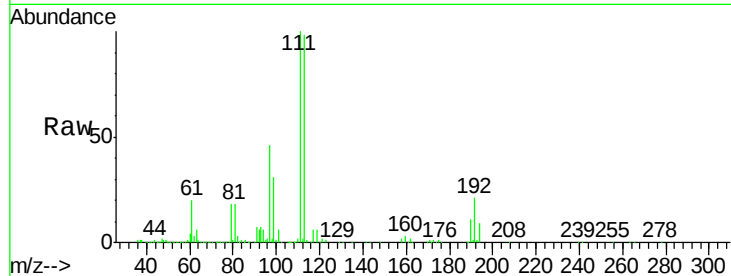
ClientSampleId :

VX0208WBS02

Tot Ion:	113	Resp:	227134
Ion Ratio	Lower	Upper	
113	100		
111	102.6	81.8	122.8
192	21.8	18.5	27.7

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#36

1,1-Dichloropropene

Concen: 17.948 ug/l

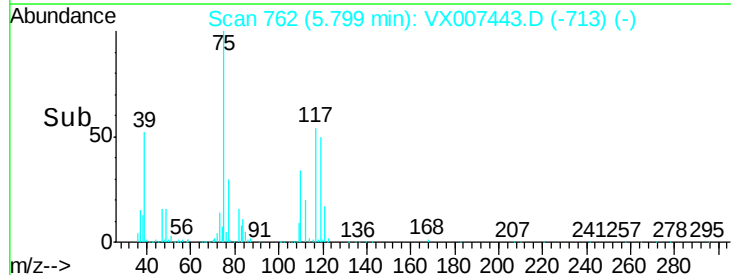
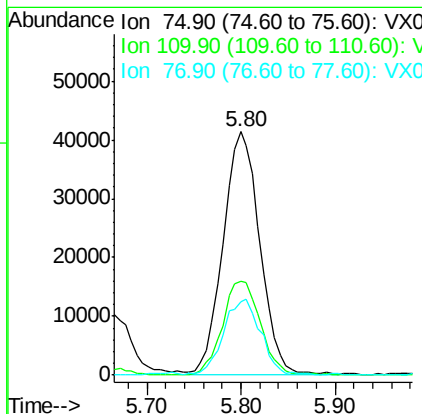
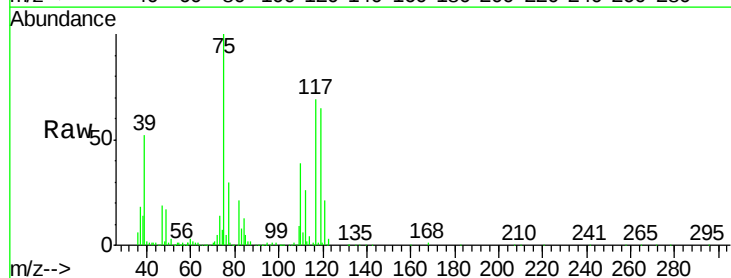
RT: 5.80 min Scan# 762

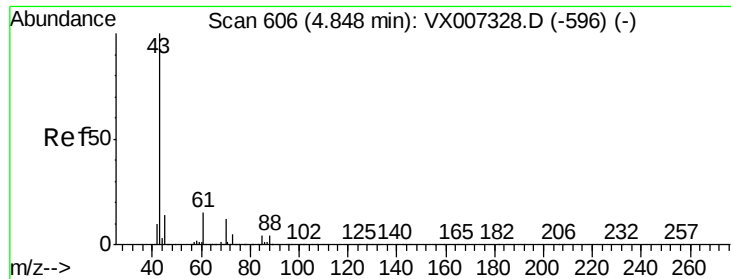
Delta R.T. 0.00 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

Tgt Ion:	75	Resp:	111072
Ion Ratio	Lower	Upper	
75	100		
110	40.6	20.0	59.9
77	31.5	24.7	37.1





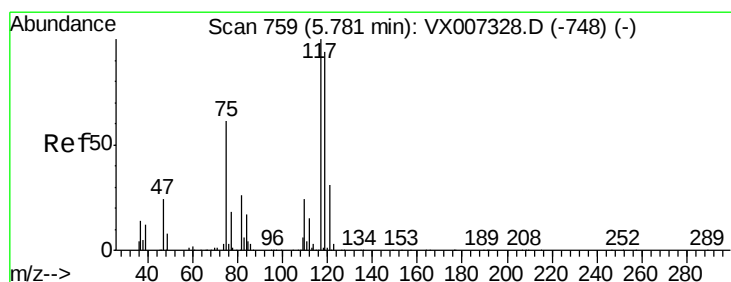
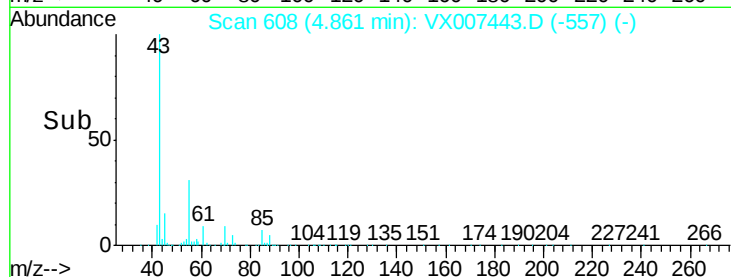
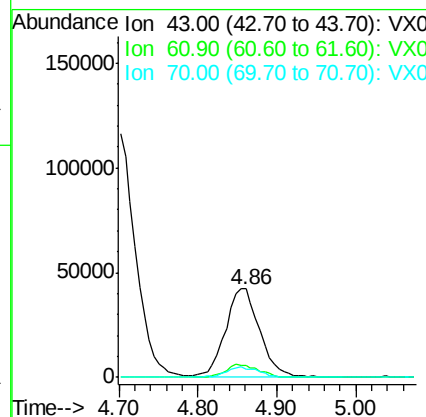
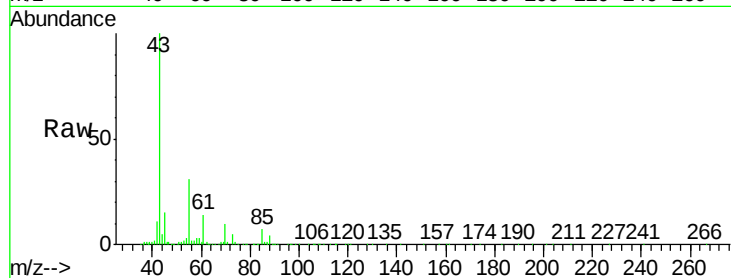
#37
Ethyl Acetate
Concen: 20.061 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX007443.D
Acq: 08 Feb 2019 15:42

Instrument :
MSVOA_X
ClientSampleId :
VX0208WBS02

Tot Ion	43	Resp	125502
Ion Ratio	100	Lower	Upper
43	100		
61	14.5	11.3	16.9
70	11.3	8.6	13.0

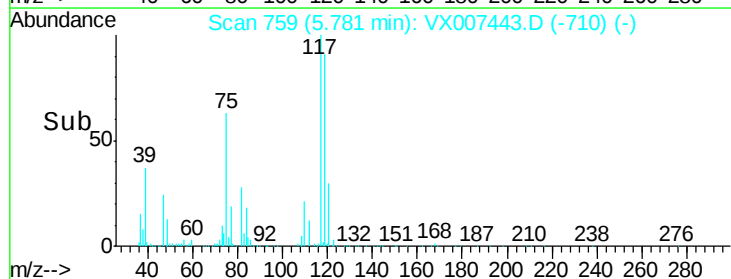
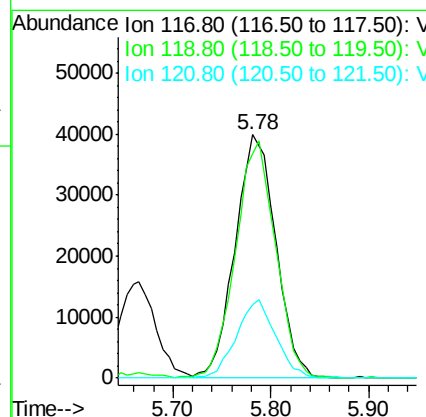
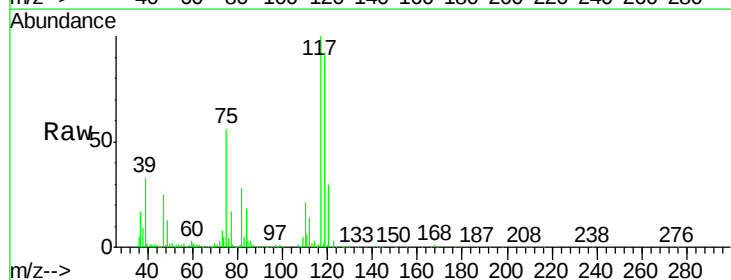
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2/11/2019 9:39:24 AM



#38
Carbon Tetrachloride
Concen: 19.179 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX007443.D
Acq: 08 Feb 2019 15:42

Tgt Ion	117	Resp	115151
Ion Ratio	100	Lower	Upper
117	100		
119	92.1	75.3	112.9
121	30.0	25.0	37.4





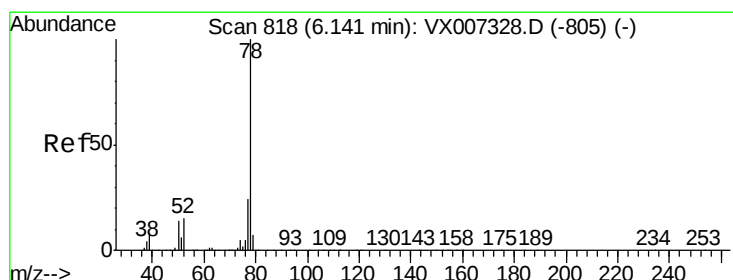
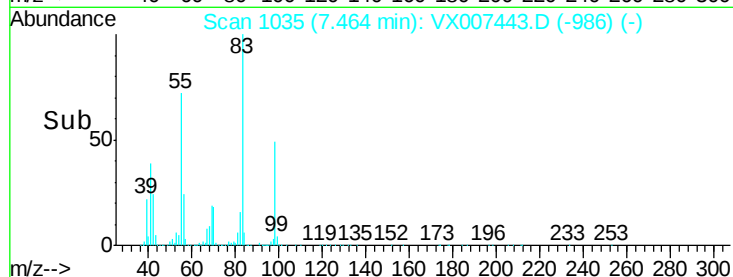
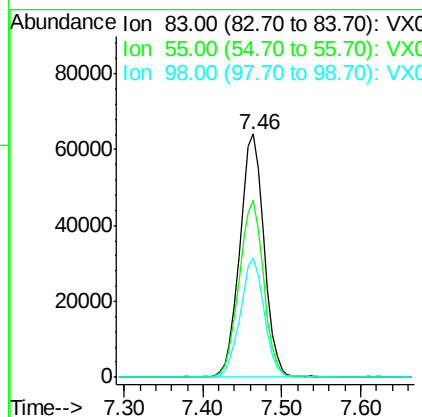
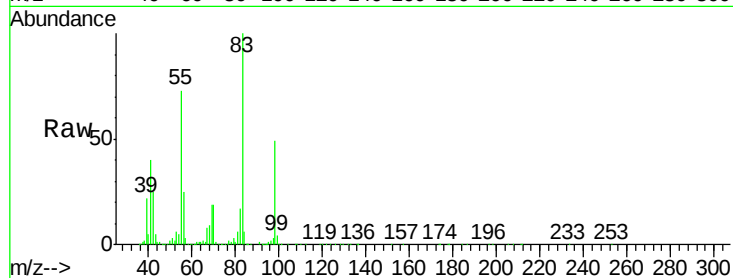
#39
Methvlcvclohexane
Concen: 18.407 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX007443.D
Acq: 08 Feb 2019 15:42

Instrument :
MSVOA_X
ClientSampleId :
VX0208WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.3	56.2	84.2
98	48.9	36.8	55.2

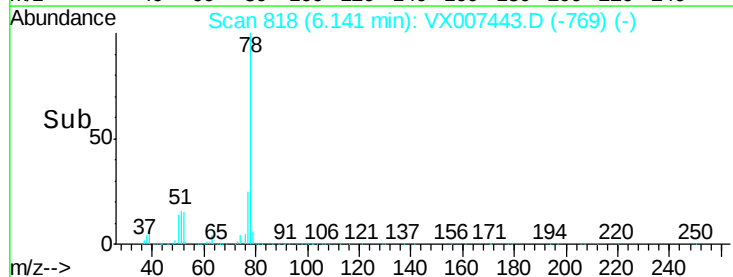
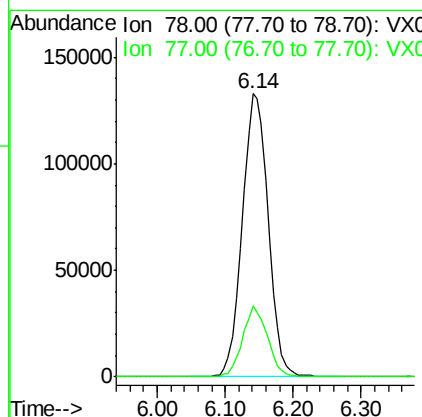
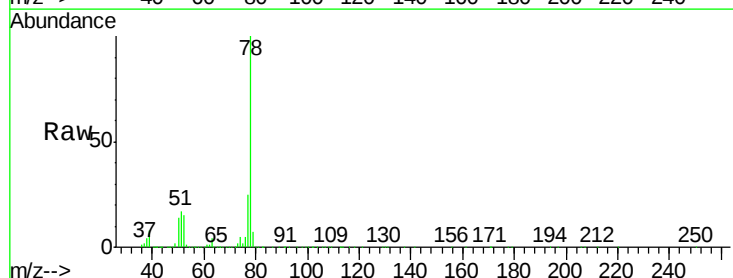
Manual Integrations
APPROVED

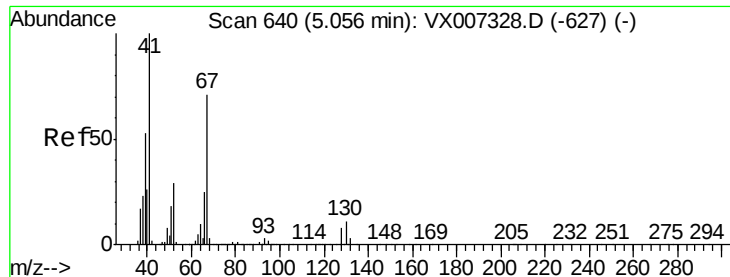
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#40
Benzene
Concen: 19.285 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007443.D
Acq: 08 Feb 2019 15:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.2	19.3	28.9





#41

Methacrylonitrile

Concen: 20.916 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.01 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

Instrument :

MSVOA_X

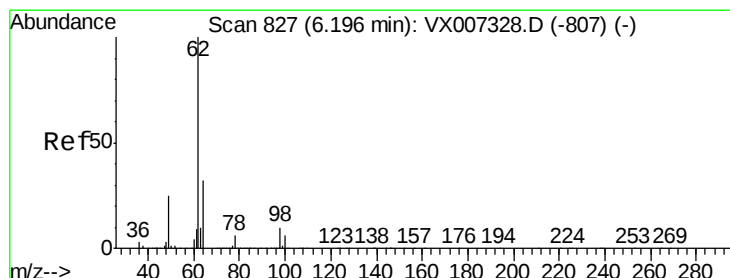
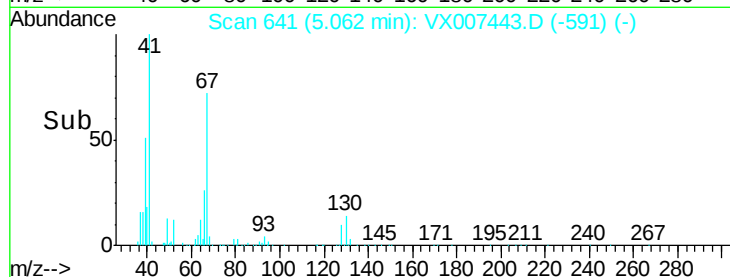
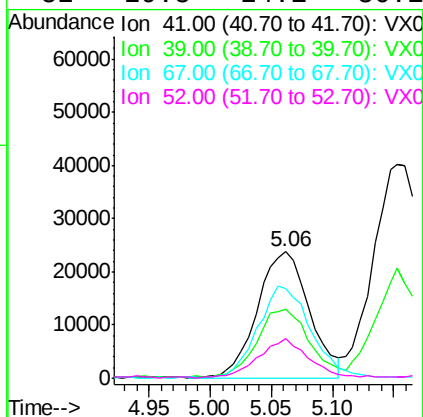
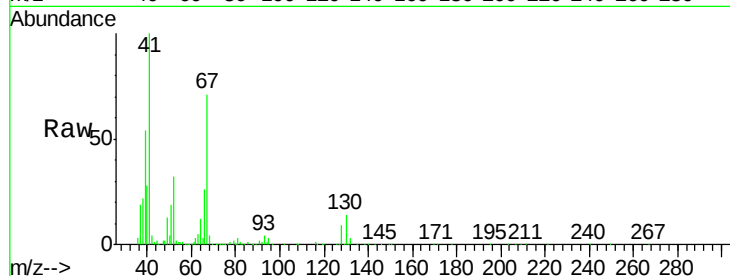
ClientSampleId :

VX0208WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.2	44.5	66.7	
67	75.4	60.4	90.6	
52	29.8	24.1	36.1	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 19.739 ug/l

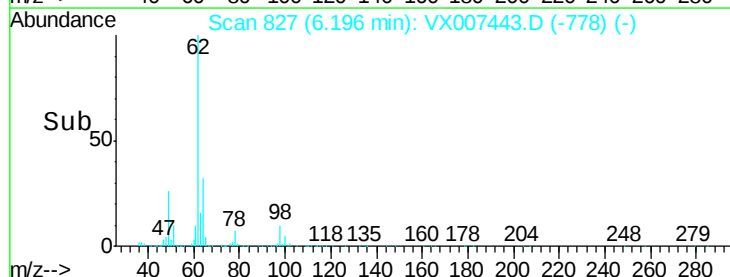
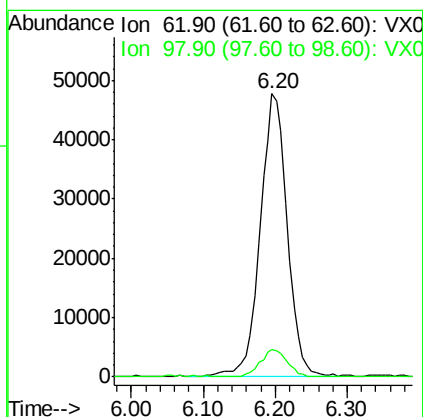
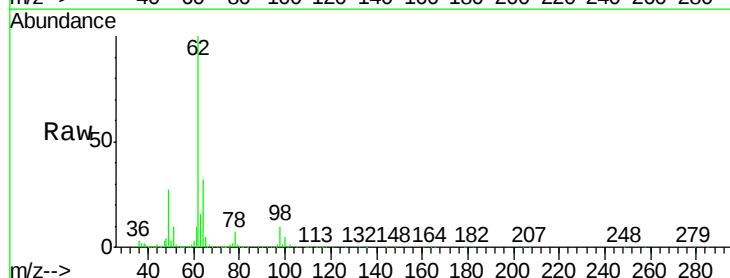
RT: 6.20 min Scan# 827

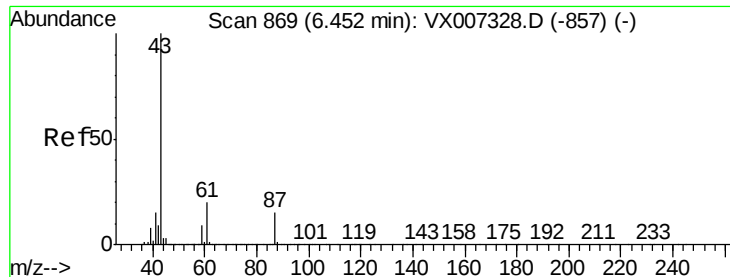
Delta R.T. 0.00 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	19.0	





#43

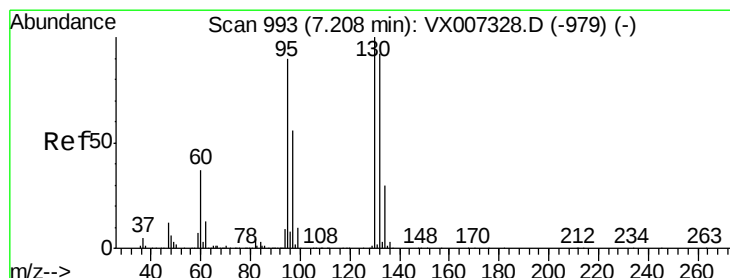
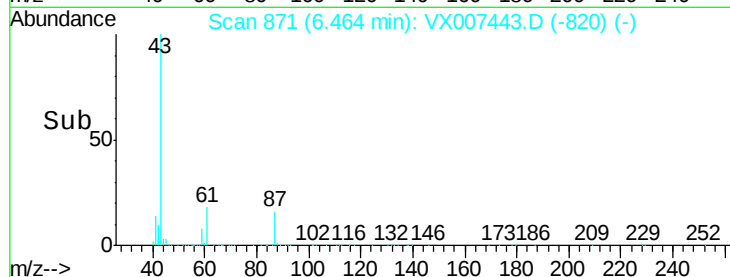
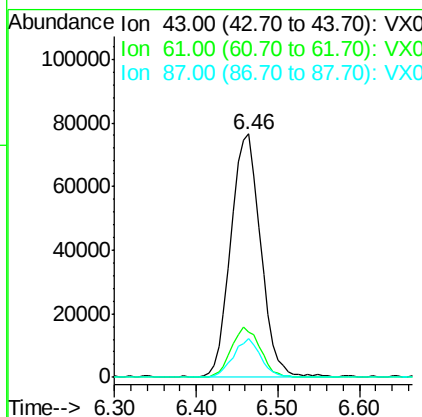
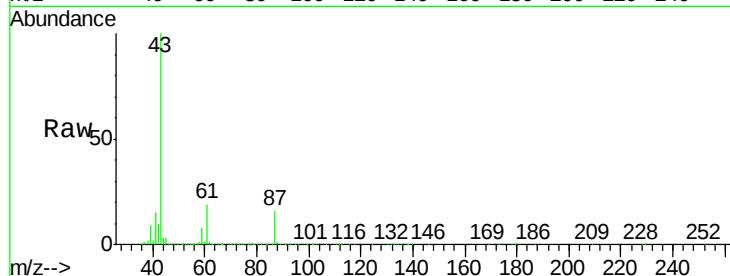
Isopropyl Acetate
 Concen: 19.886 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.01 min
 Lab File: VX007443.D
 Acq: 08 Feb 2019 15:42

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0208WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.9	16.1	24.1
87	15.0	11.5	17.3

Manual Integrations
 APPROVED

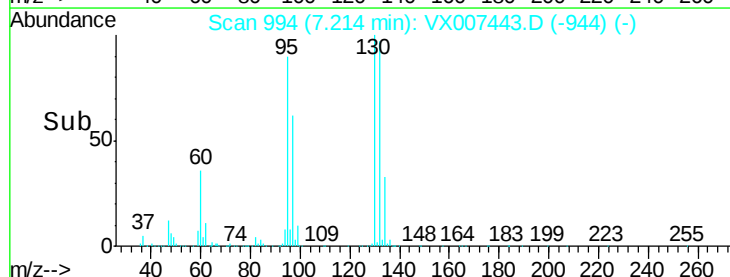
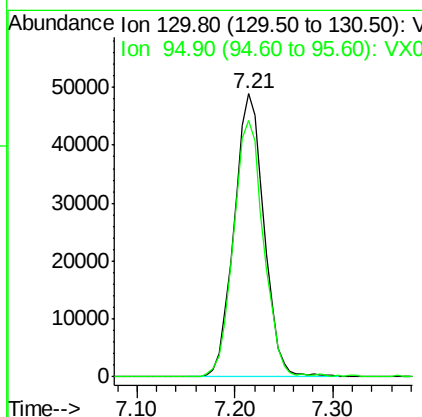
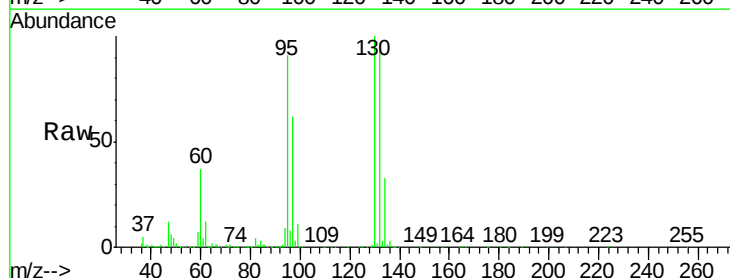
MMDadoda
 2/11/2019 9:39:24 AM

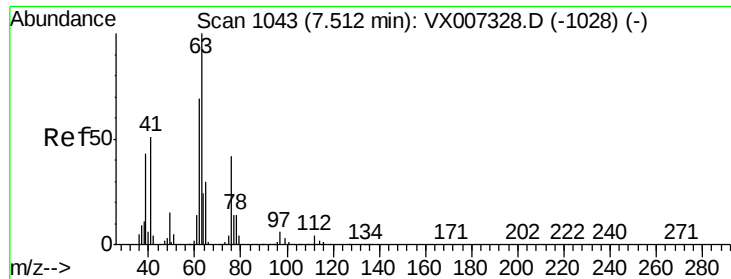


#44

Trichloroethene
 Concen: 18.893 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX007443.D
 Acq: 08 Feb 2019 15:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.6	0.0	180.0





#45

1,2-Dichloropropane

Concen: 19.618 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

Instrument :

MSVOA_X

ClientSampleId :

VX0208WBS02

Tot Ion: 63 Resp: 89606

Ion Ratio Lower Upper

63 100

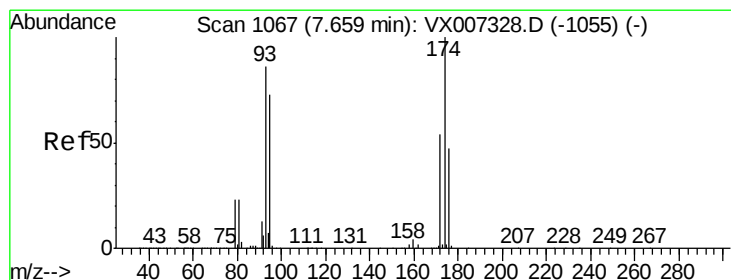
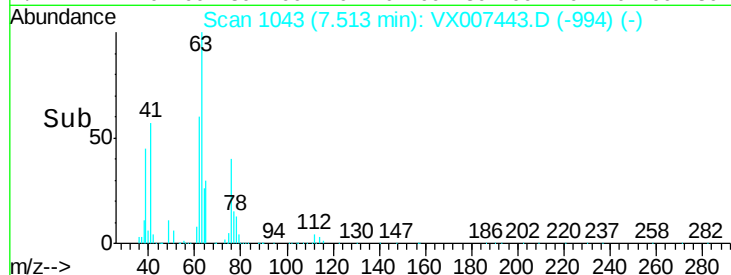
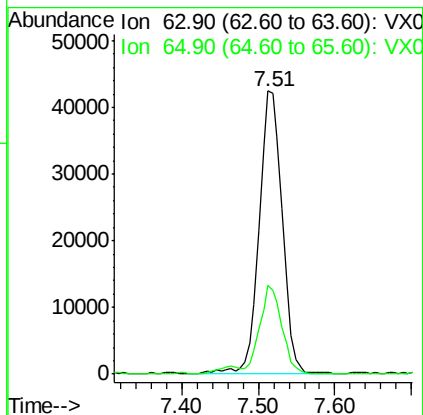
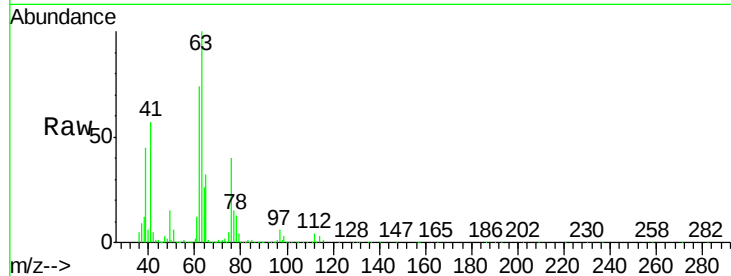
65 31.3 24.2 36.2

Manual Integrations

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2/11/2019 9:39:24 AM



#46

Dibromomethane

Concen: 19.663 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

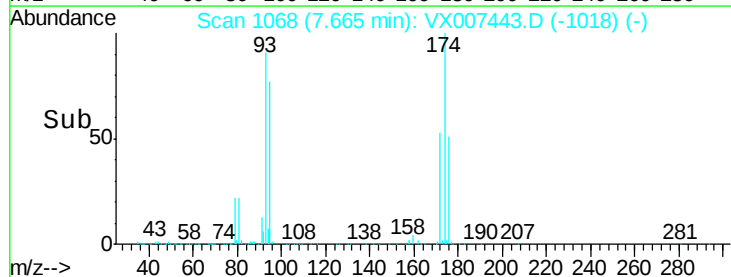
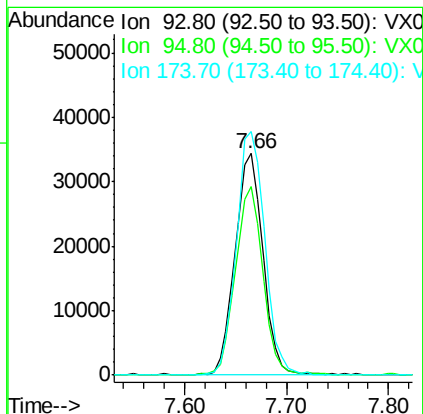
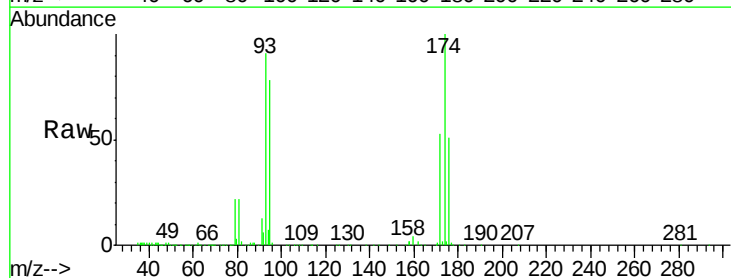
Tgt Ion: 93 Resp: 65276

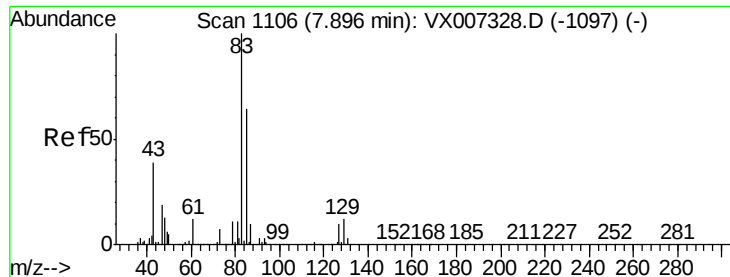
Ion Ratio Lower Upper

93 100

95 84.2 67.6 101.4

174 111.8 94.2 141.4





#47

Bromodichloromethane

Concen: 18.977 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

Instrument :

MSVOA_X

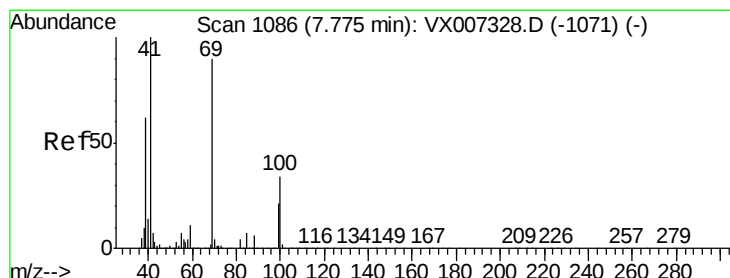
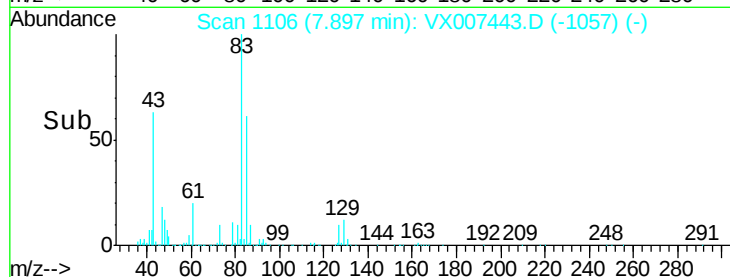
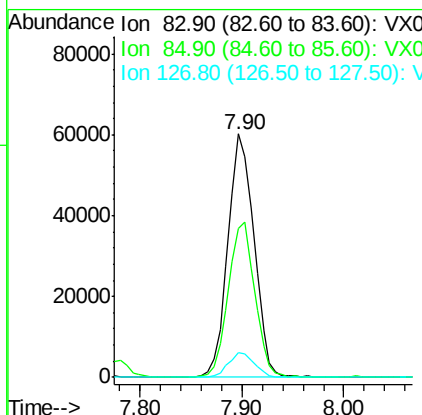
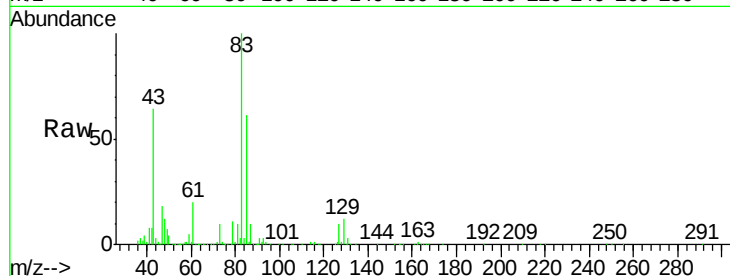
ClientSampleId :

VX0208WBS02

Tot Ion:	83	Resp:	106769
Ion Ratio	Lower	Upper	
83	100		
85	61.1	51.4	77.0
127	10.1	8.1	12.1

Manual Integrations
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MMDadoda
2/11/2019 9:39:24 AM



#48

Methyl methacrylate

Concen: 20.258 ug/l

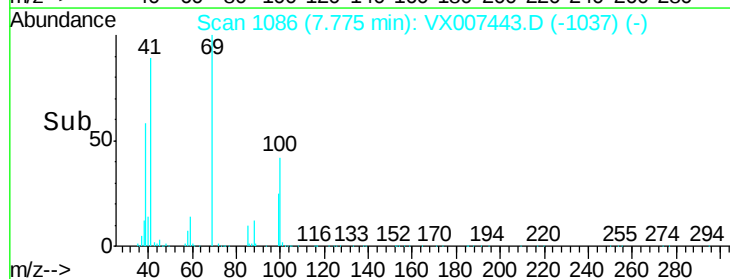
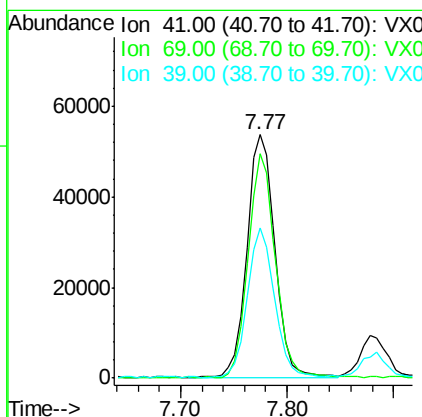
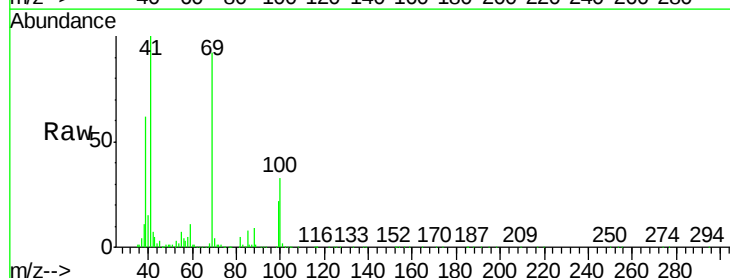
RT: 7.77 min Scan# 1086

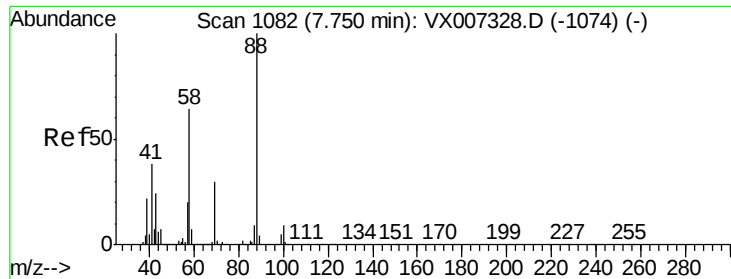
Delta R.T. 0.00 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

Tgt Ion:	41	Resp:	97848
Ion Ratio	Lower	Upper	
41	100		
69	90.2	70.2	105.4
39	60.2	47.4	71.0





#49

1,4-Dioxane

Concen: 378.329 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. -0.01 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

Instrument :

MSVOA_X

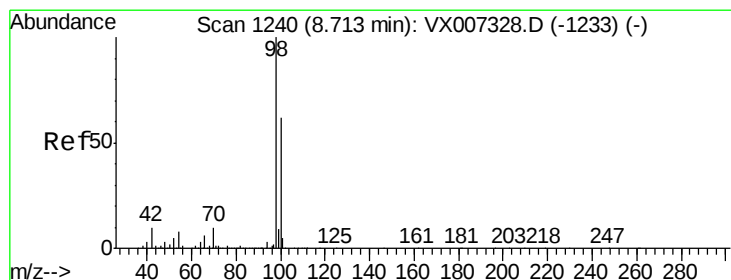
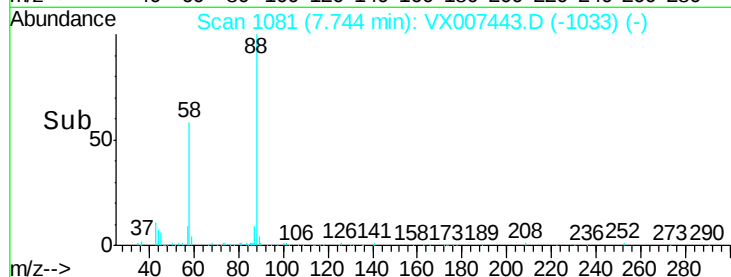
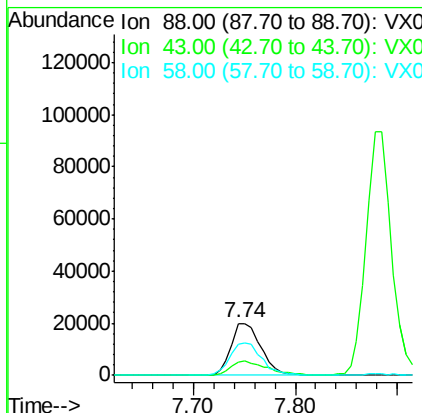
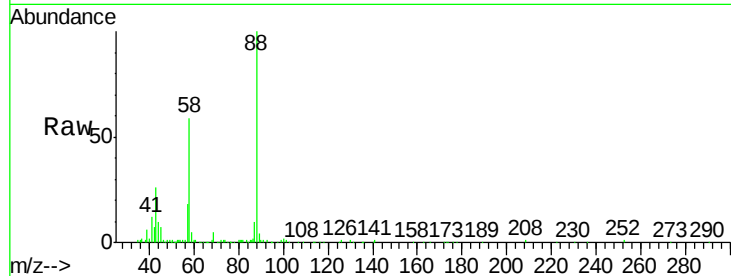
ClientSampleId :

VX0208WBS02

Tot Ion:	88	Resp:	41084
Ion	Ratio	Lower	Upper
88	100		
43	30.1	24.2	36.4
58	63.9	53.0	79.4

Manual Integrations
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2/11/2019 9:39:24 AM



#50

Toluene-d8

Concen: 49.490 ug/l

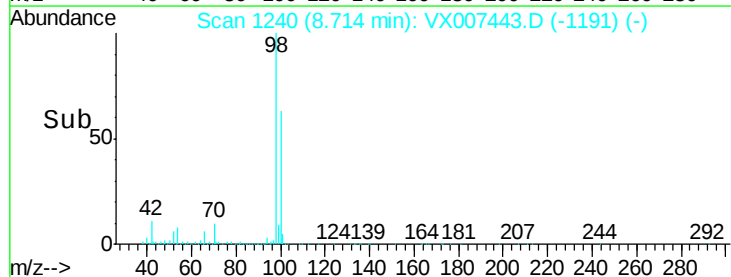
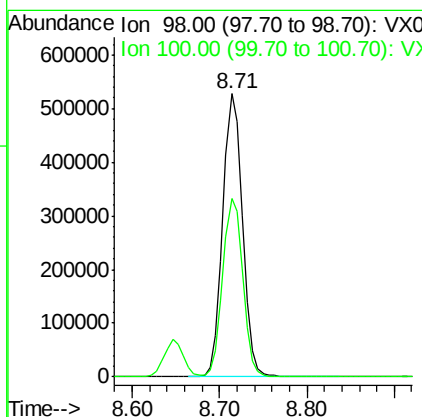
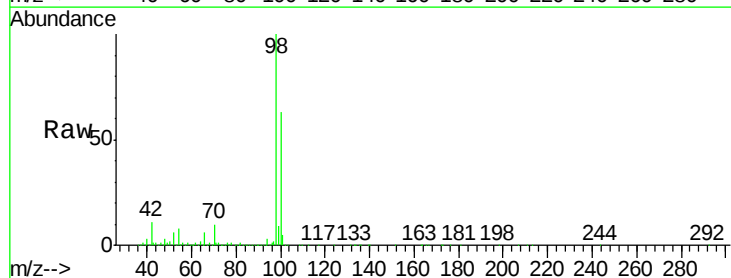
RT: 8.71 min Scan# 1240

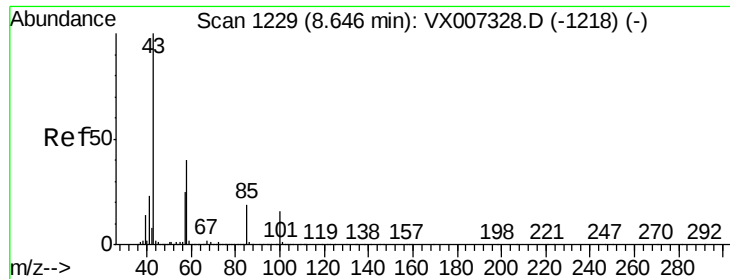
Delta R.T. 0.00 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

Tgt Ion:	98	Resp:	824070
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.6	77.4





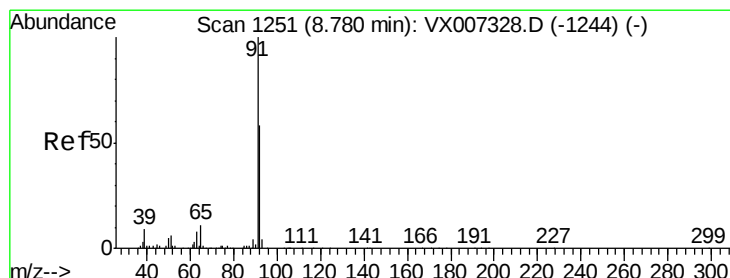
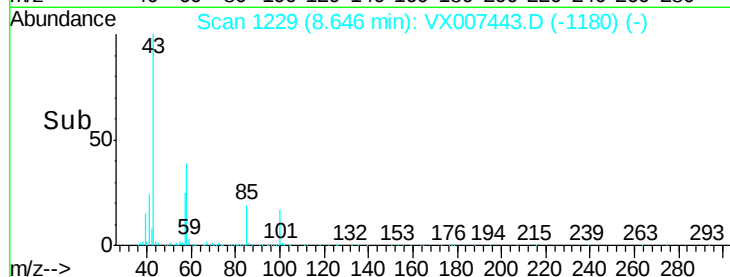
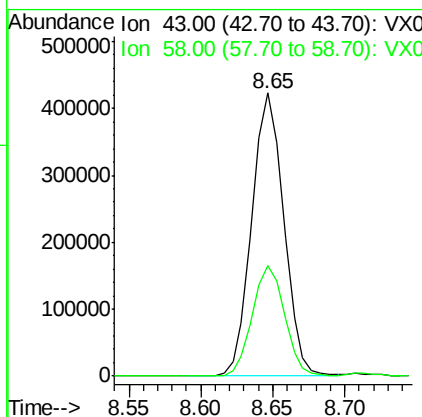
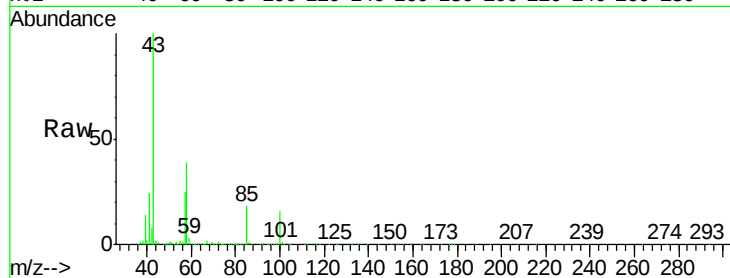
#51
4-Methyl-2-Pentanone
Concen: 102.163 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX007443.D
Acq: 08 Feb 2019 15:42

Instrument :
MSVOA_X
ClientSampleId :
VX0208WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.2	31.2	46.8

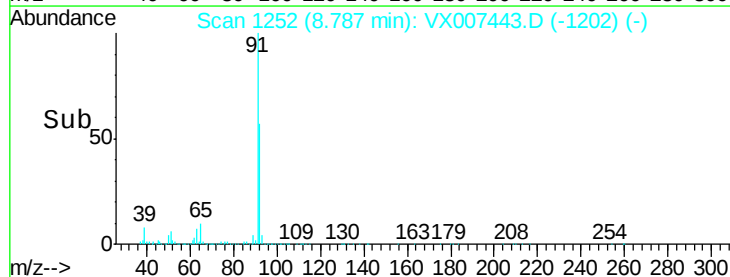
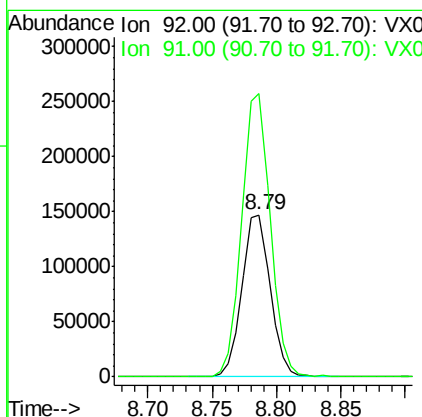
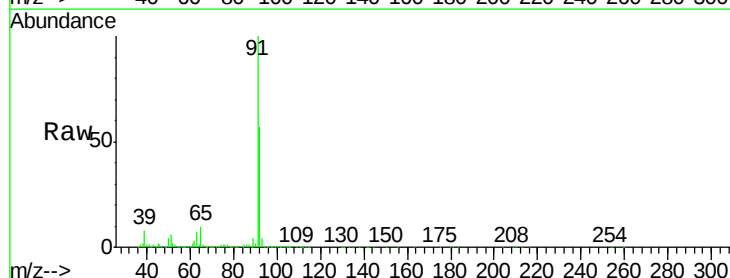
Manual Integrations
APPROVED

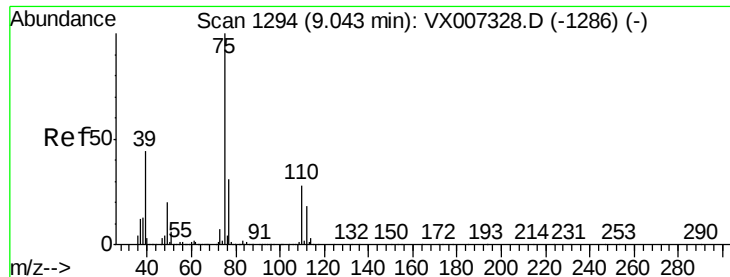
MMDadoda
2/11/2019 9:39:24 AM



#52
Toluene
Concen: 19.038 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.01 min
Lab File: VX007443.D
Acq: 08 Feb 2019 15:42

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.0	139.1	208.7





#53

t-1,3-Dichloropropene

Concen: 18.609 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

Instrument :

MSVOA_X

ClientSampleId :

VX0208WBS02

Tot Ion: 75 Resp: 112461

Ion Ratio Lower Upper

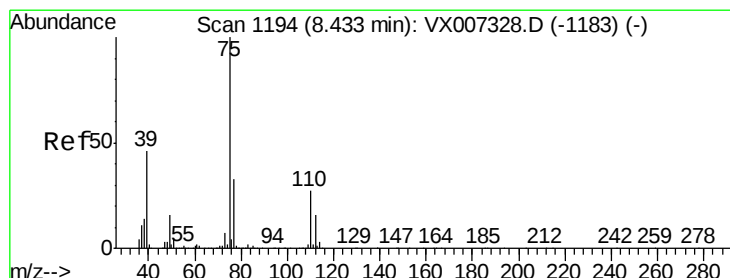
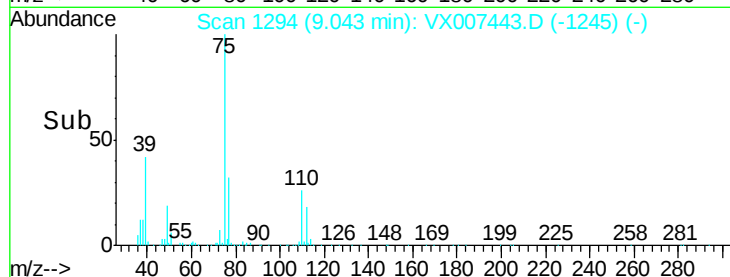
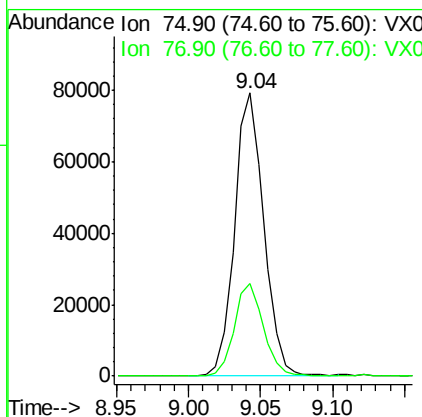
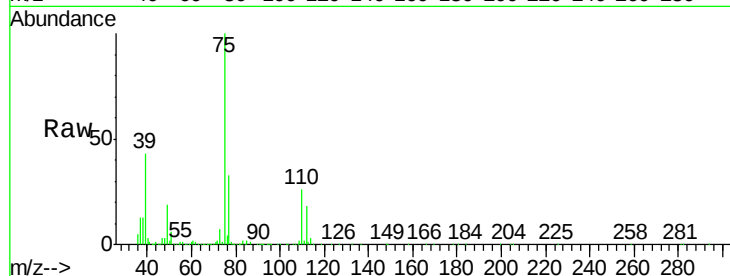
75 100

77 32.6 25.2 37.8

Manual Integrations
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2/11/2019 9:39:24 AM



#54

cis-1,3-Dichloropropene

Concen: 19.489 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

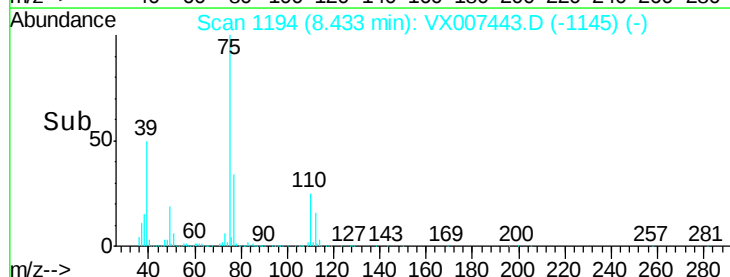
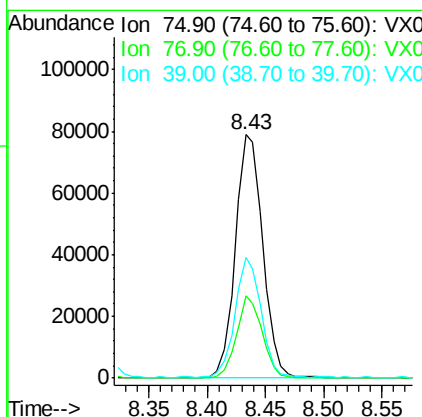
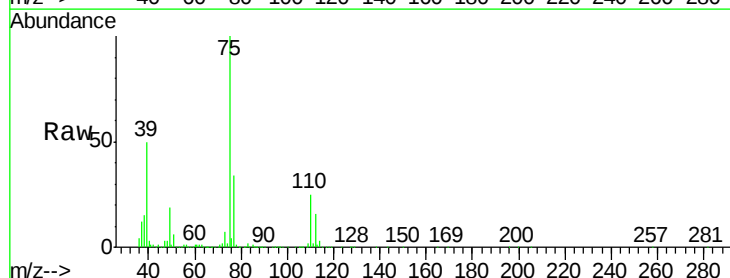
Tgt Ion: 75 Resp: 129521

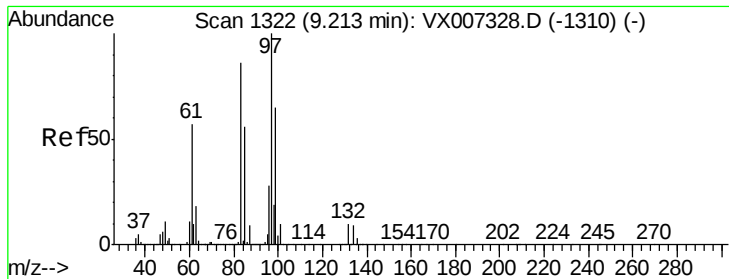
Ion Ratio Lower Upper

75 100

77 33.7 26.2 39.4

39 49.3 37.1 55.7





#55

1,1,2-Trichloroethane

Concen: 19.805 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

Instrument :

MSVOA_X

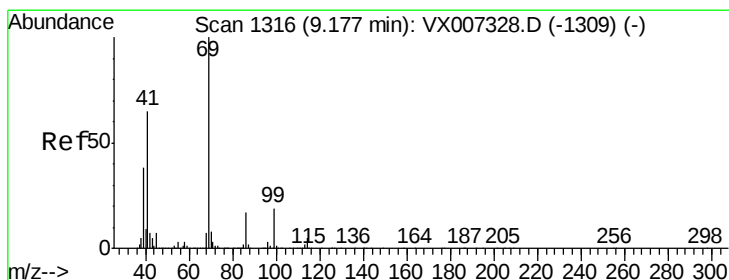
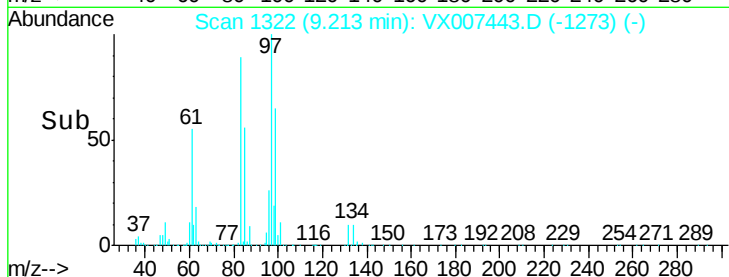
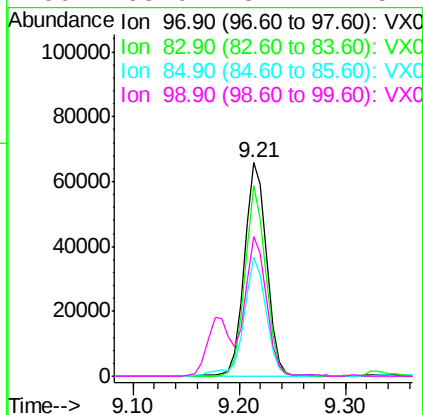
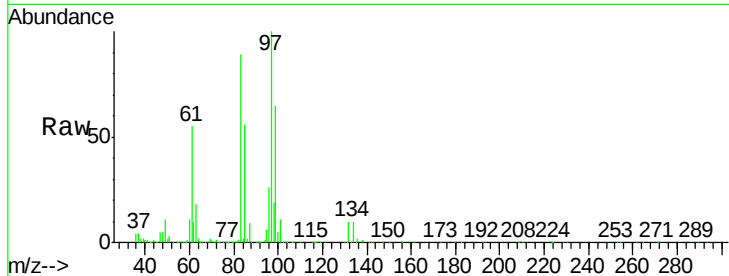
ClientSampleId :

VX0208WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		97102		
83	89.5	68.6	102.8		
85	55.8	44.5	66.7		
99	65.0	52.2	78.4		

Manual Integrations
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#56

Ethyl methacrylate

Concen: 19.455 ug/l

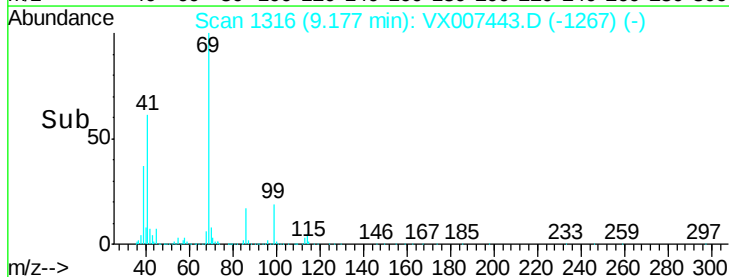
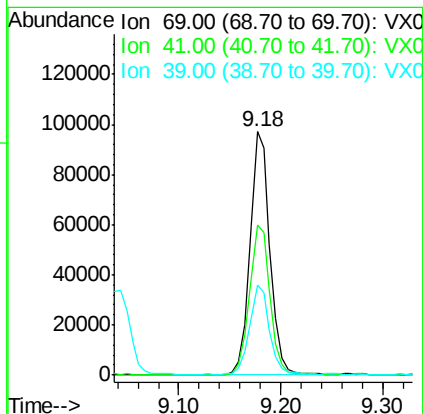
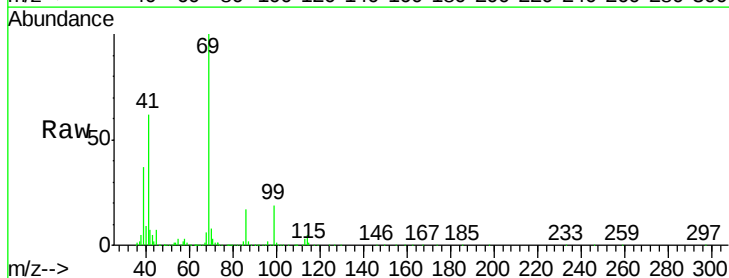
RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		132107		
41	63.6	52.1	78.1		
39	36.7	30.1	45.1		





#57

1,3-Dichloropropane

Concen: 19.666 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

Instrument :

MSVOA_X

ClientSampleId :

VX0208WBS02

Tot Ion: 76 Resp: 153338

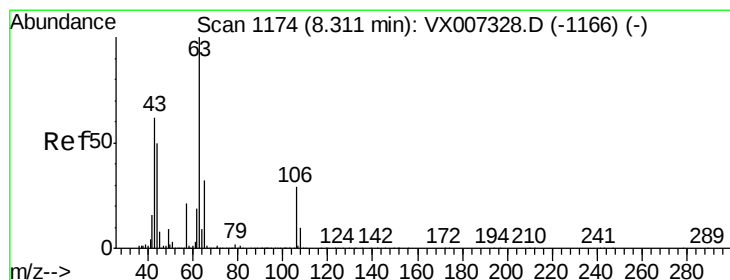
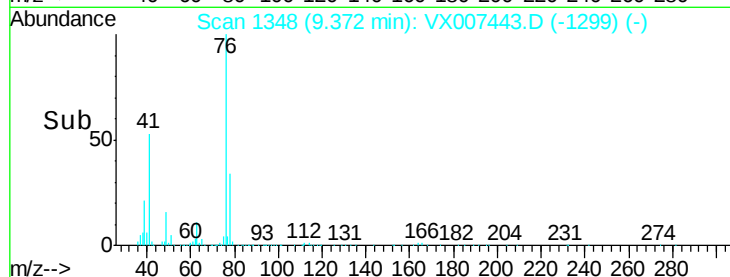
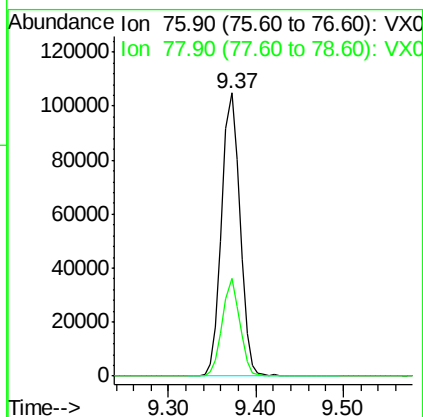
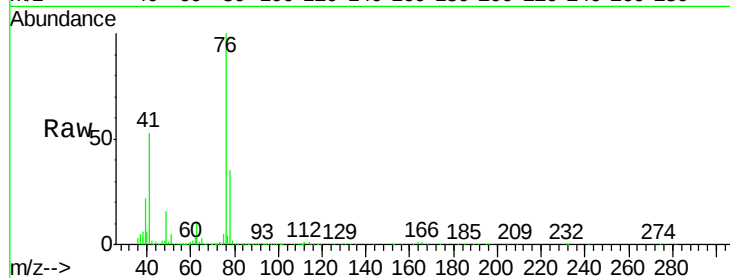
Ion Ratio Lower Upper

76 100

78 32.9 25.8 38.8

Manual Integrations
APPROVED

MMDadoda
2/11/2019 9:39:24 AM



#58

2-Chloroethyl Vinyl ether

Concen: 102.335 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007443.D

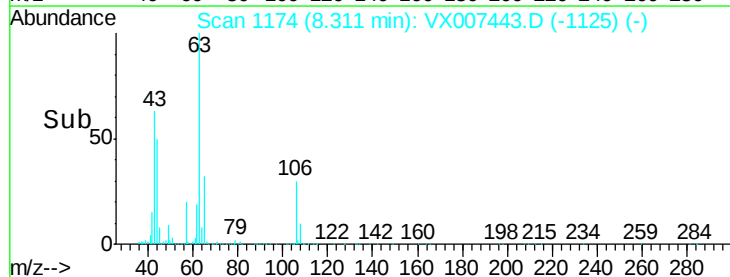
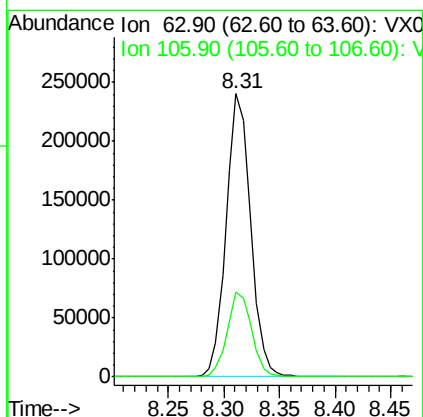
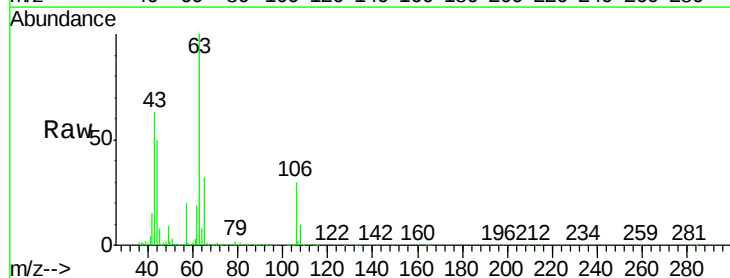
Acq: 08 Feb 2019 15:42

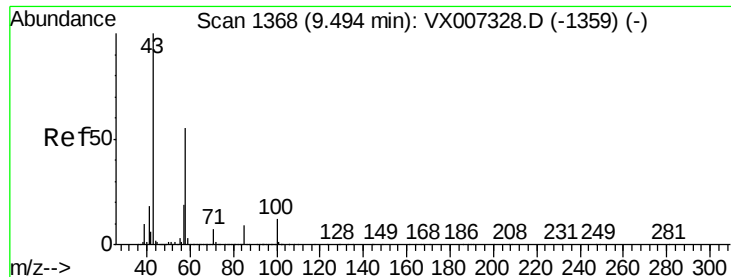
Tgt Ion: 63 Resp: 366274

Ion Ratio Lower Upper

63 100

106 29.9 23.6 35.4





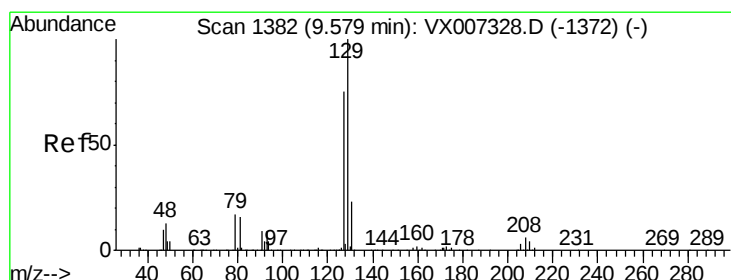
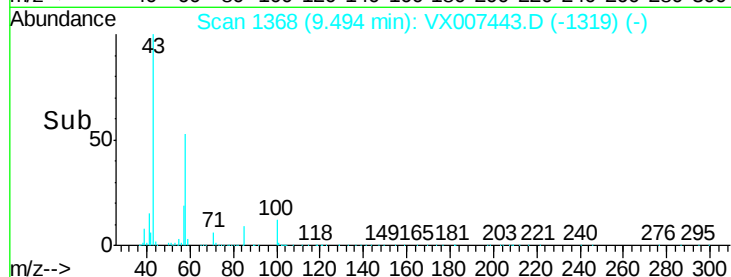
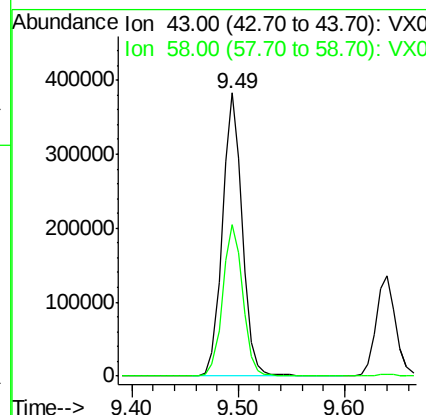
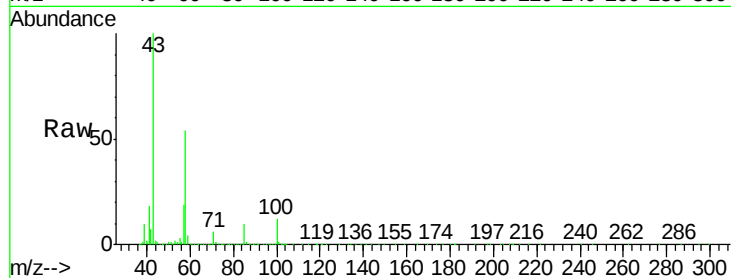
#59
2-Hexanone
Concen: 99.989 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007443.D
Acq: 08 Feb 2019 15:42

Instrument :
MSVOA_X
ClientSampleId :
VX0208WBS02

Tot Ion: 43 Resp: 494608
Ion Ratio Lower Upper
43 100
58 54.5 27.1 81.3

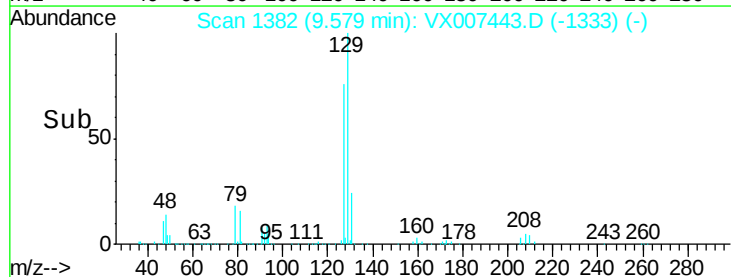
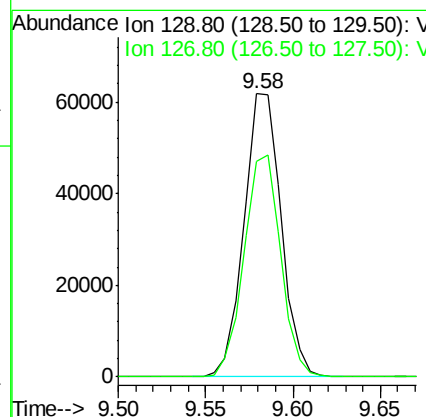
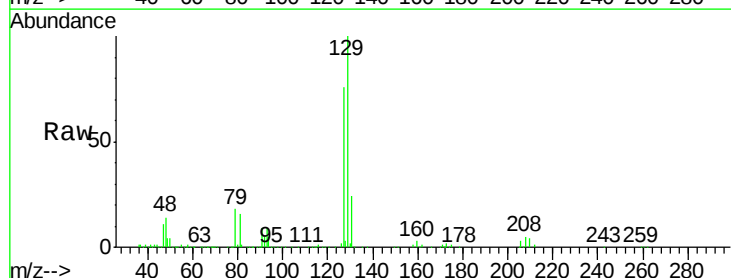
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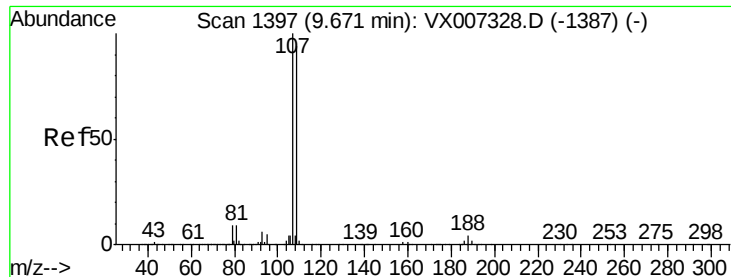
MMDadoda
2/11/2019 9:39:24 AM



#60
Dibromochloromethane
Concen: 19.787 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX007443.D
Acq: 08 Feb 2019 15:42

Tgt Ion: 129 Resp: 91753
Ion Ratio Lower Upper
129 100
127 77.2 37.8 113.4





#61

1,2-Dibromoethane

Concen: 19.913 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

Instrument :

MSVOA_X

ClientSampleId :

VX0208WBS02

Tot Ion: 107 Resp: 103392

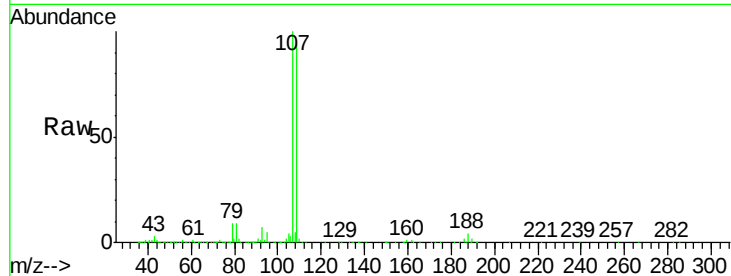
Ion Ratio Lower Upper

107 100

109 94.1 75.1 112.7

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

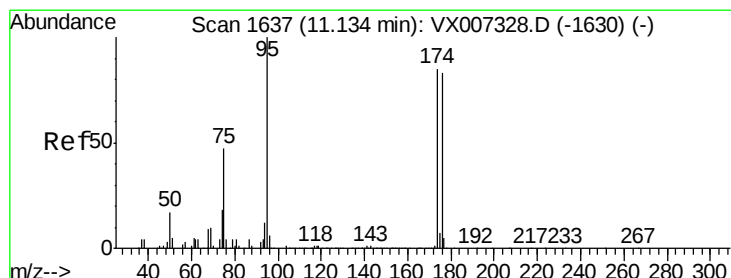
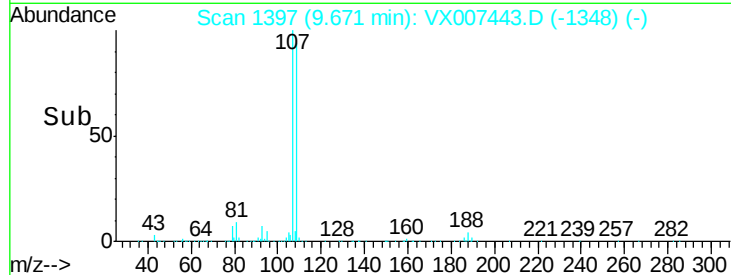
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.478 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

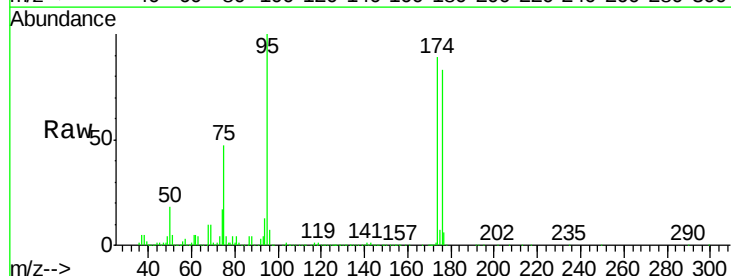
Tgt Ion: 95 Resp: 288635

Ion Ratio Lower Upper

95 100

174 94.3 0.0 189.2

176 91.0 0.0 186.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

300000

250000

200000

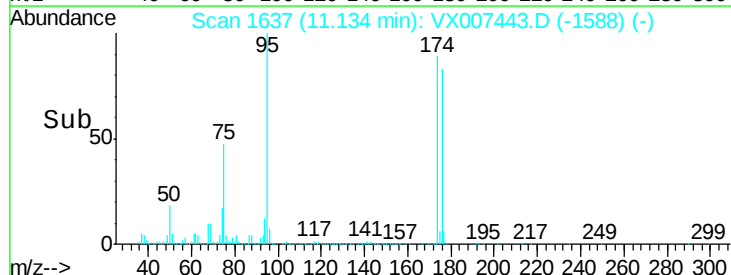
150000

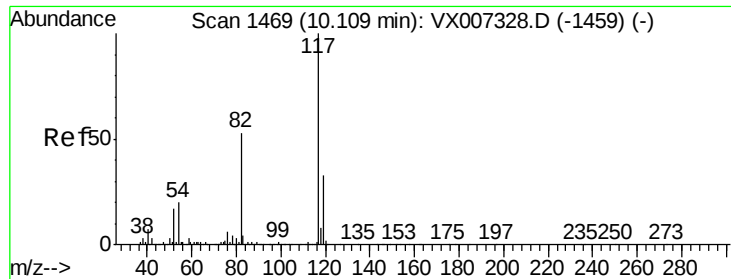
100000

50000

0

Time-->





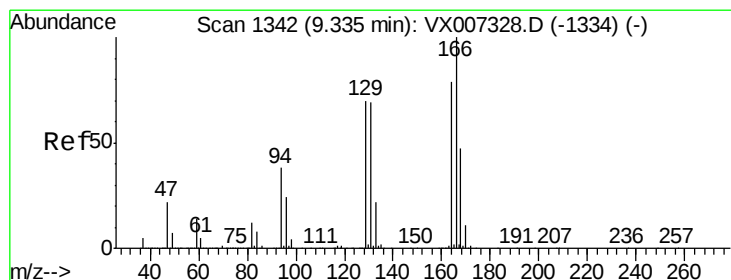
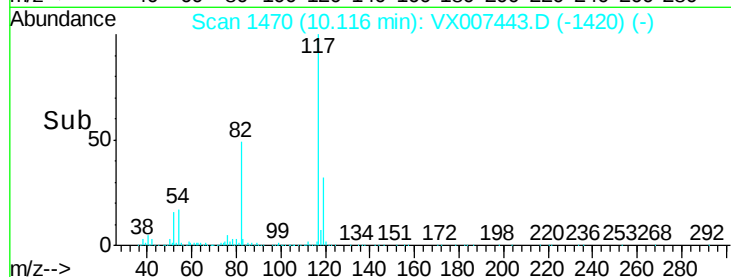
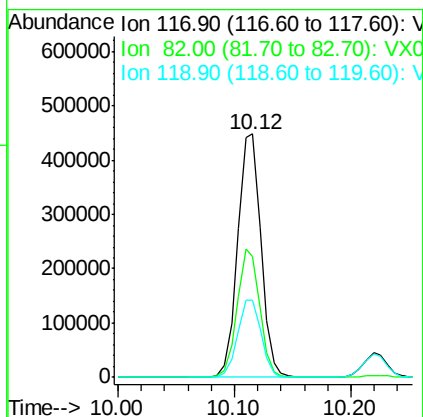
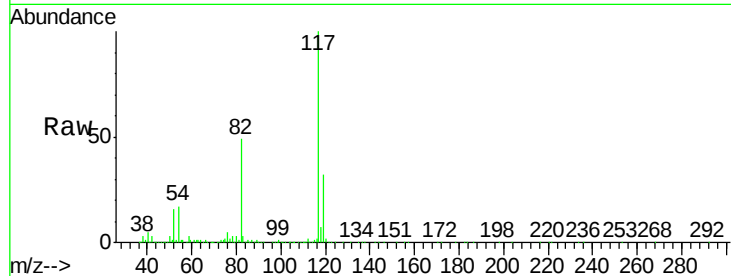
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007443.D
Acq: 08 Feb 2019 15:42

Instrument :
MSVOA_X
ClientSampleId :
VX0208WBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	626709		
82	49.3		42.1	63.1
119	31.7		26.5	39.7

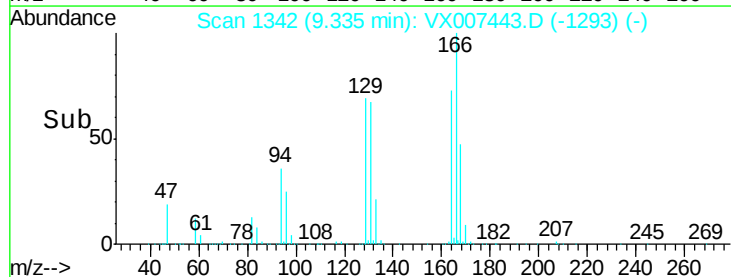
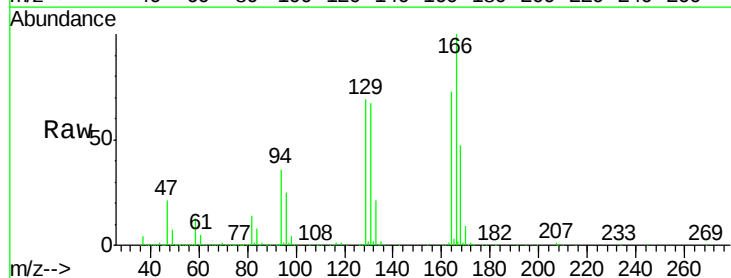
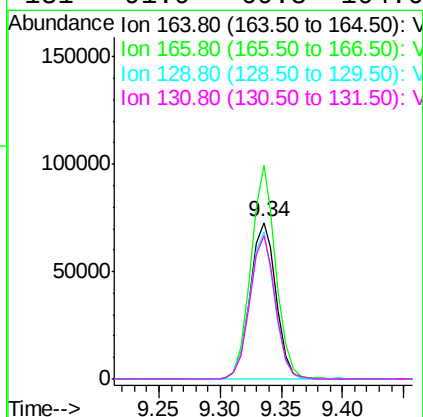
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#64
Tetrachloroethene
Concen: 18.249 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007443.D
Acq: 08 Feb 2019 15:42

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	107796		
166	136.6		101.0	151.4
129	94.2		70.5	105.7
131	91.9		69.8	104.6





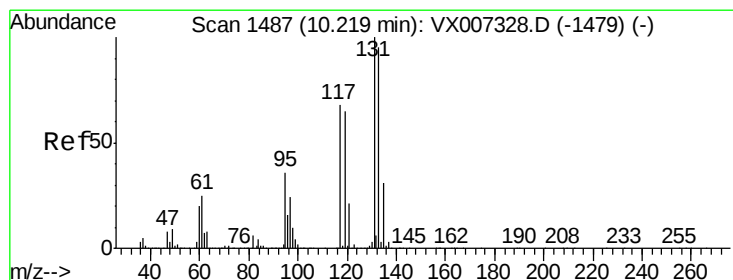
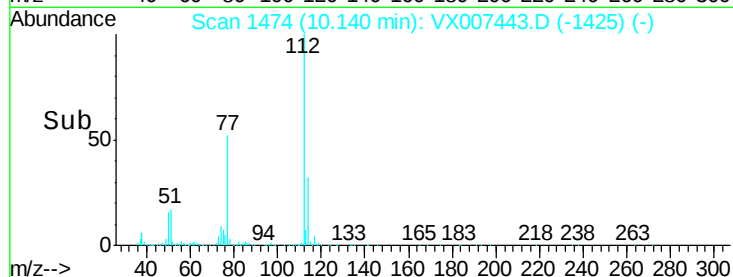
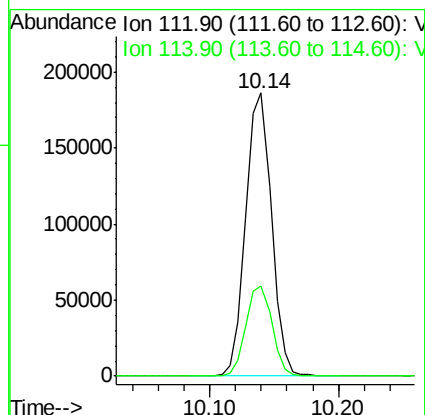
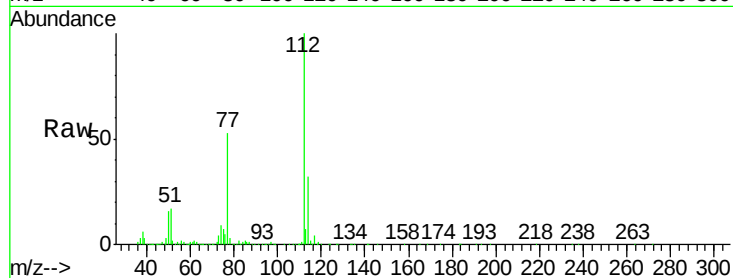
#65
Chlorobenzene
Concen: 18.786 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX007443.D
Acq: 08 Feb 2019 15:42

Instrument :
MSVOA_X
ClientSampleId :
VX0208WBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.8	38.6

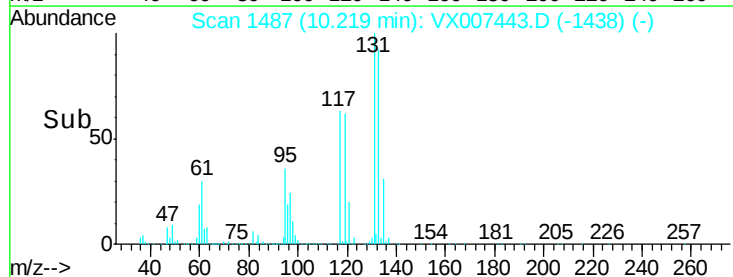
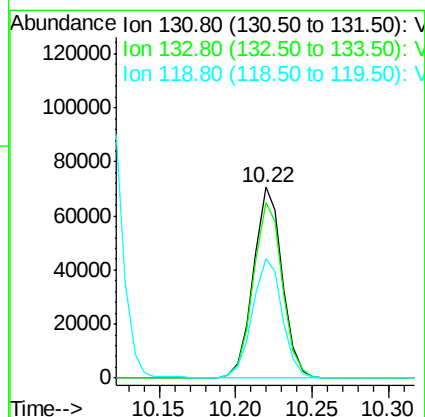
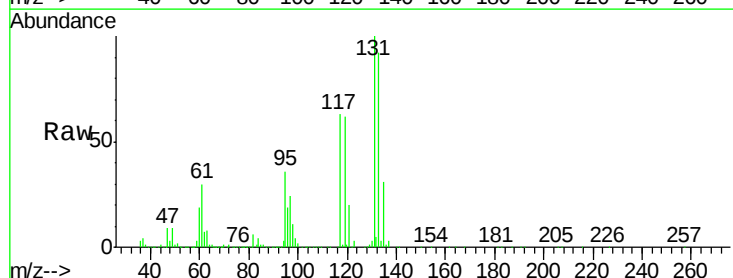
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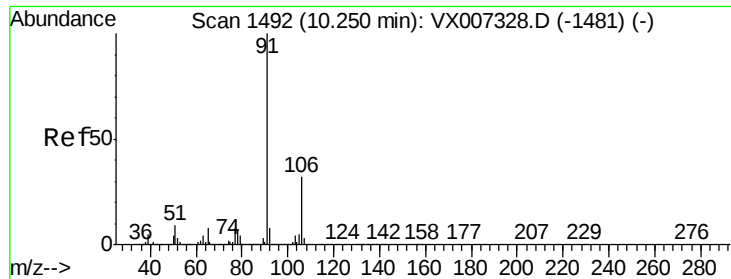
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.240 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX007443.D
Acq: 08 Feb 2019 15:42

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.0	48.0	144.2
119	64.9	32.0	96.0





#67

Ethyl Benzene

Concen: 18.820 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

Instrument :

MSVOA_X

ClientSampleId :

VX0208WBS02

Tot Ion: 91 Resp: 414489

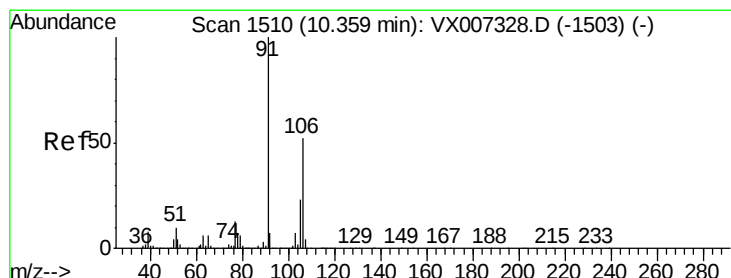
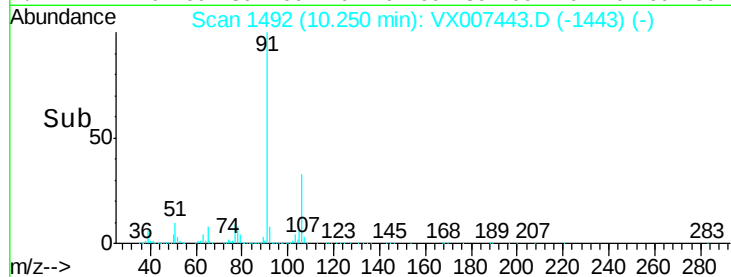
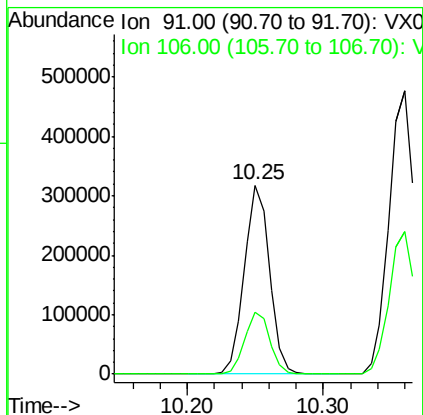
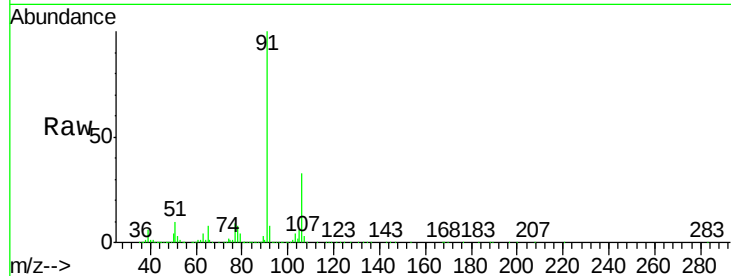
Ion Ratio Lower Upper

91 100

106 32.7 25.4 38.0

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#68

m/p-Xylenes

Concen: 36.892 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007443.D

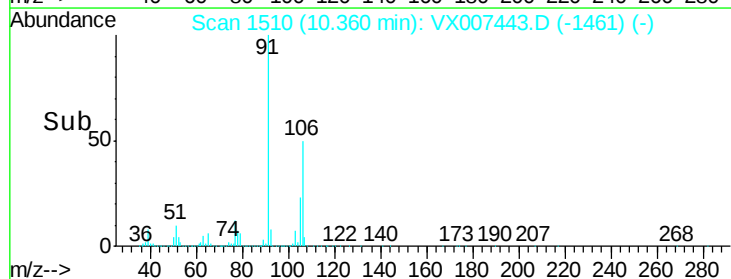
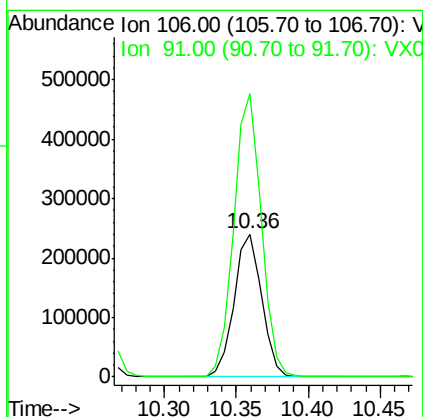
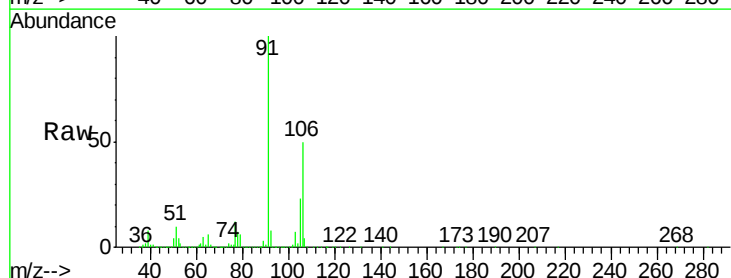
Acq: 08 Feb 2019 15:42

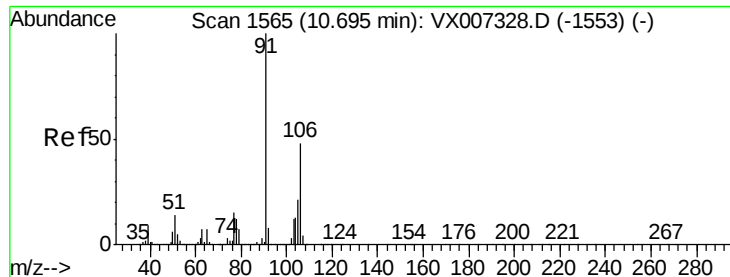
Tgt Ion: 106 Resp: 322976

Ion Ratio Lower Upper

106 100

91 196.8 156.6 234.8





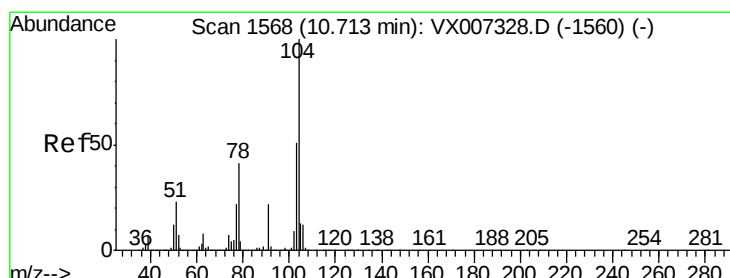
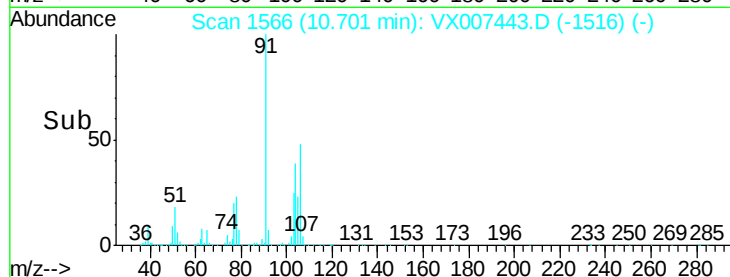
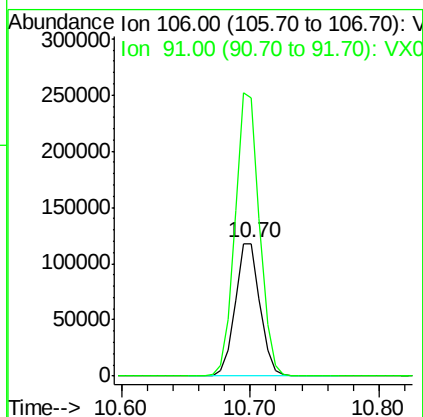
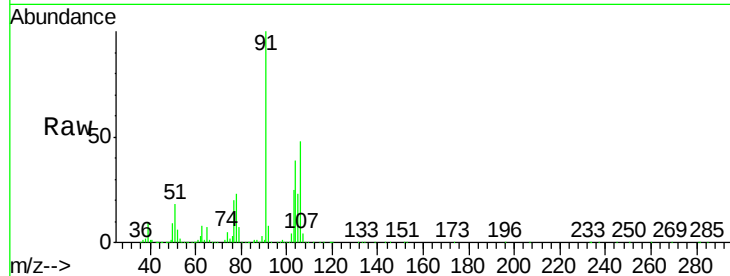
#69
o-Xylene
Concen: 18.764 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX007443.D
Acq: 08 Feb 2019 15:42

Instrument :
MSVOA_X
ClientSampleId :
VX0208WBS02

Tot Ion:106 Resp: 158069
Ion Ratio Lower Upper
106 100
91 209.9 102.9 308.7

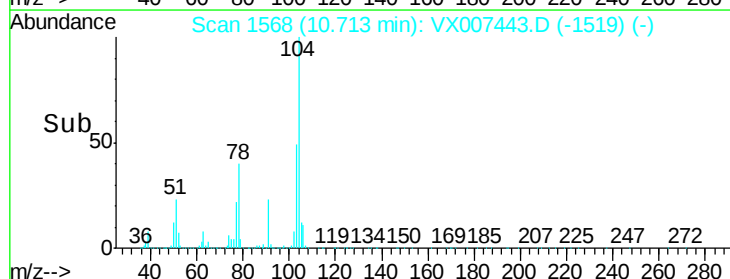
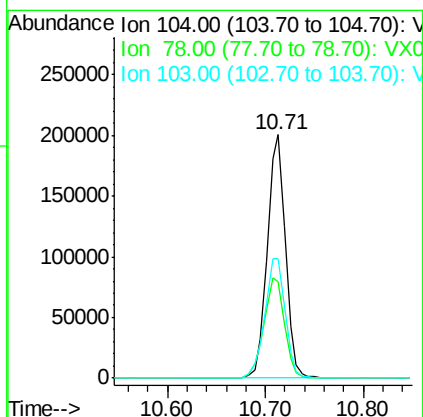
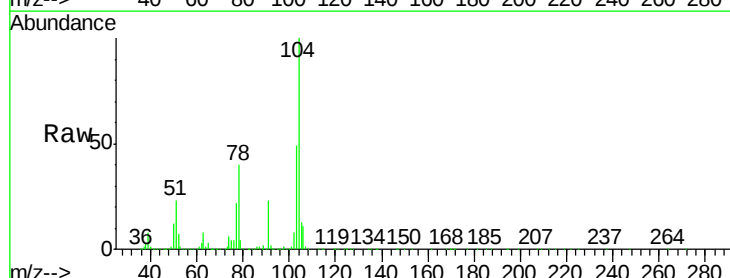
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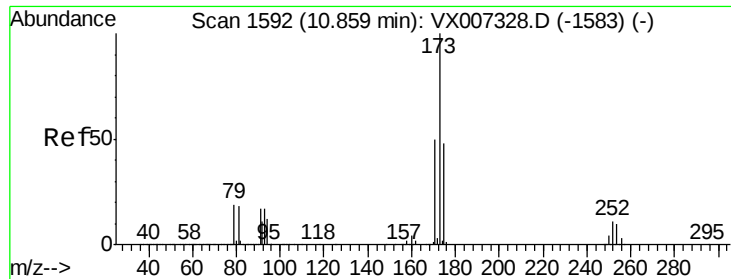
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#70
Styrene
Concen: 18.889 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007443.D
Acq: 08 Feb 2019 15:42

Tgt Ion:104 Resp: 258062
Ion Ratio Lower Upper
104 100
78 47.3 38.3 57.5
103 55.9 44.6 67.0





#71

Bromoform

Concen: 18.785 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

Instrument :

MSVOA_X

ClientSampleId :

VX0208WBS02

Tot Ion:173 Resp: 64542

Ion Ratio Lower Upper

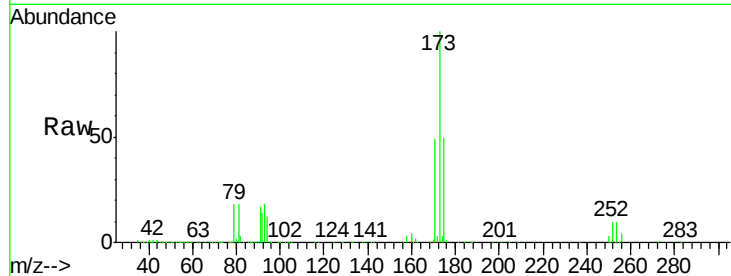
173 100

175 48.6 24.2 72.6

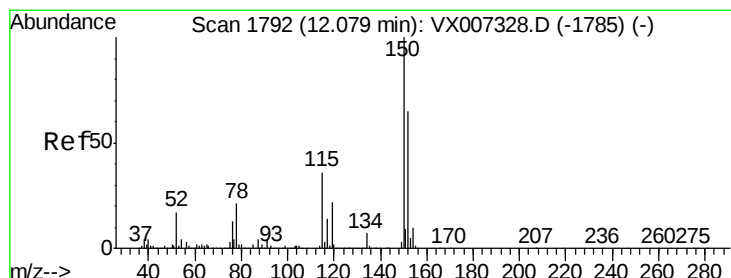
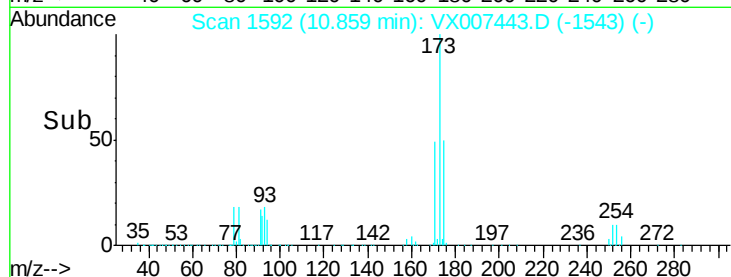
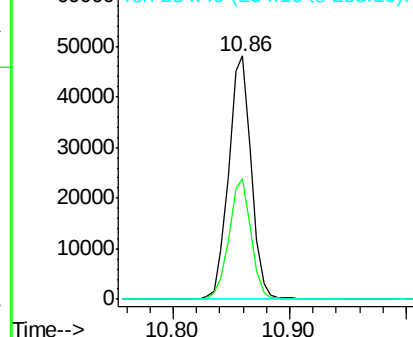
254 0.2 0.2 0.2#

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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: VX007443.D

Acq: 08 Feb 2019 15:42

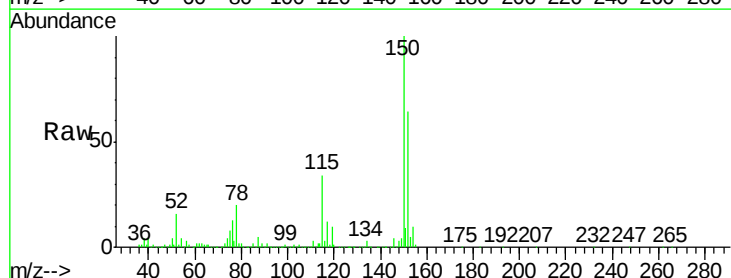
Tgt Ion:152 Resp: 314677

Ion Ratio Lower Upper

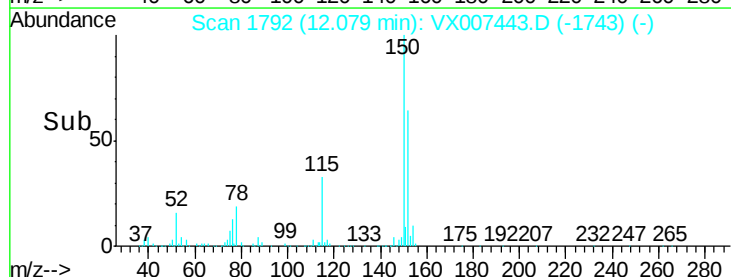
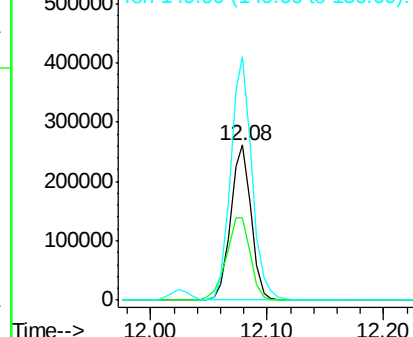
152 100

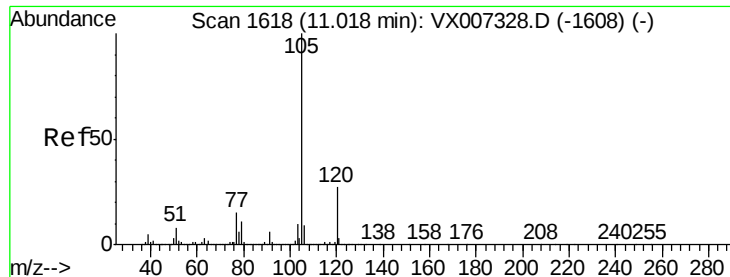
115 62.2 38.0 114.0

150 163.6 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: 19.864 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

Instrument :

MSVOA_X

ClientSampleId :

VX0208WBS02

Tot Ion: 105 Resp: 424762

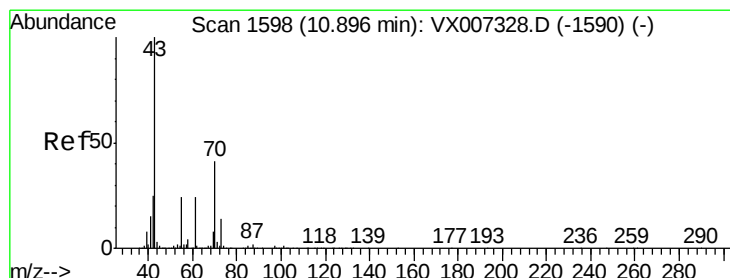
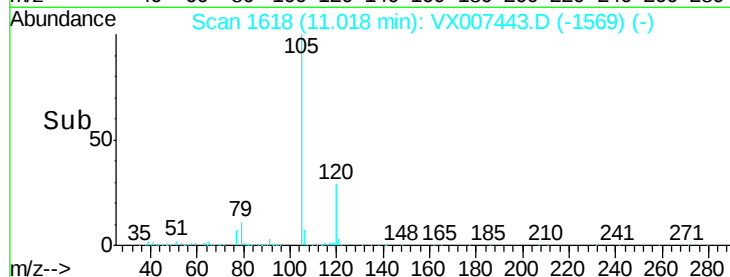
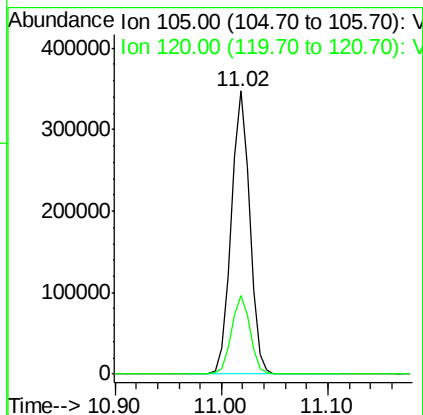
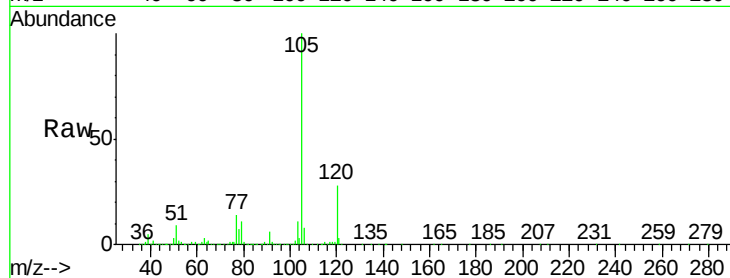
Ion Ratio Lower Upper

105 100

120 27.9 13.6 40.7

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#74

N-ethyl acetate

Concen: 20.021 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

Tgt Ion: 43 Resp: 165595

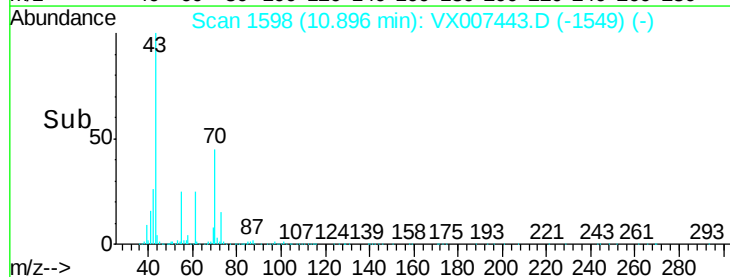
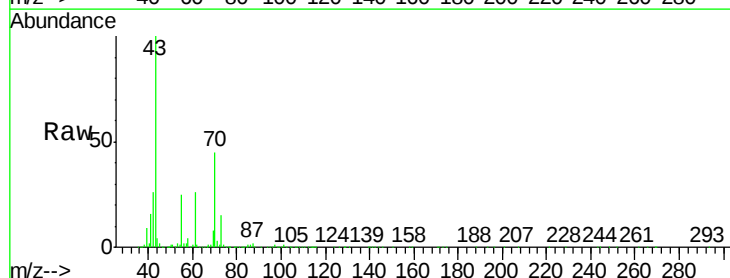
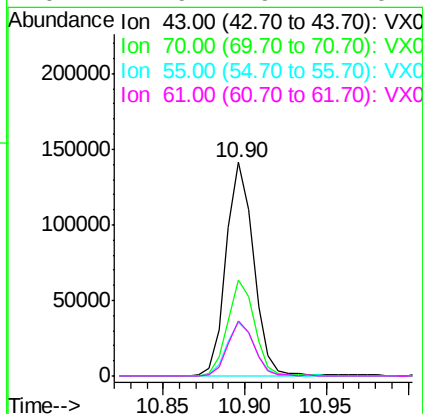
Ion Ratio Lower Upper

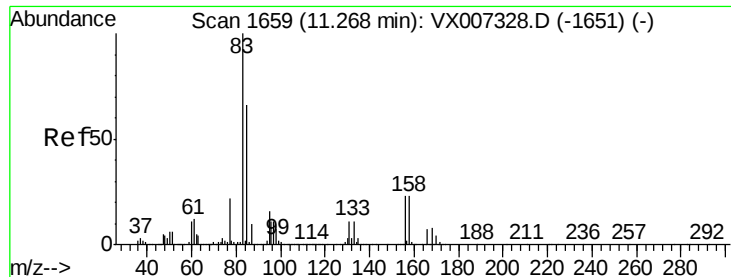
43 100

70 45.1 33.8 50.6

55 25.2 19.5 29.3

61 24.9 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.577 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

Instrument :

MSVOA_X

ClientSampleId :

VX0208WBS02

Tot Ion: 83 Resp: 140620

Ion Ratio Lower Upper

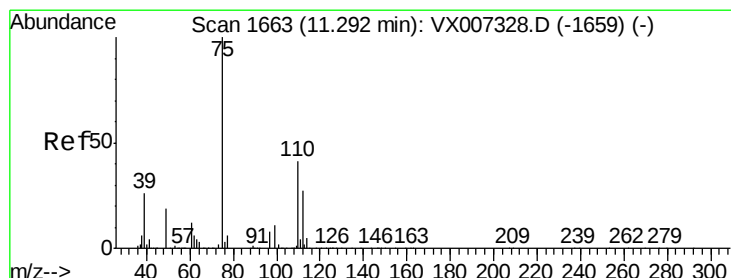
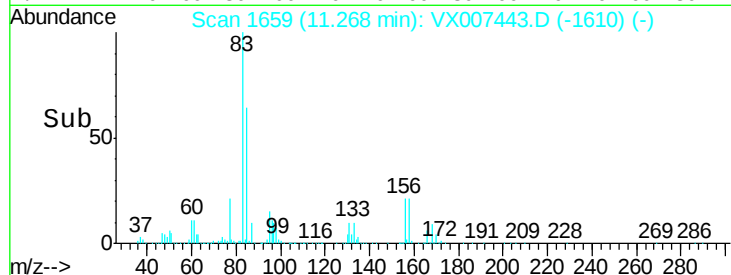
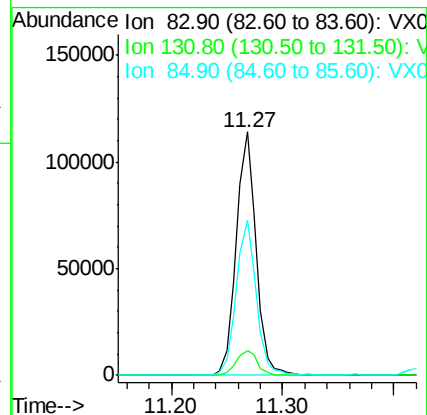
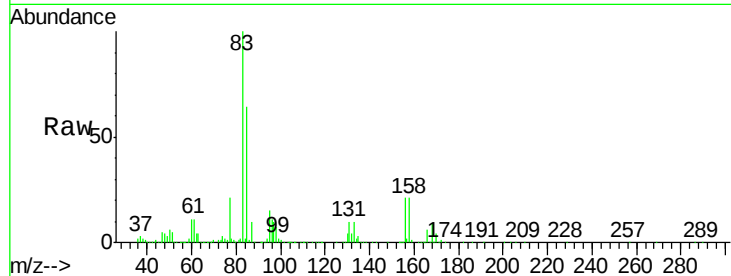
83 100

131 11.0 5.7 17.0

85 64.4 32.8 98.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.930 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX007443.D

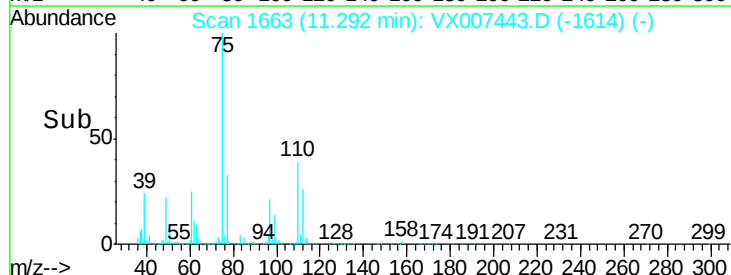
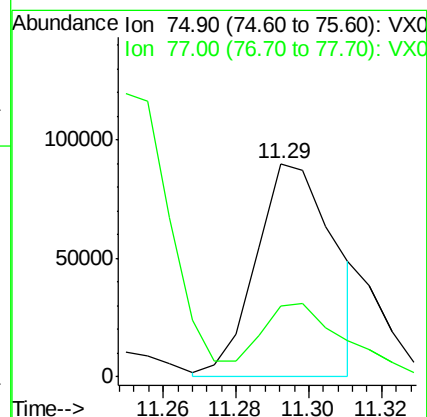
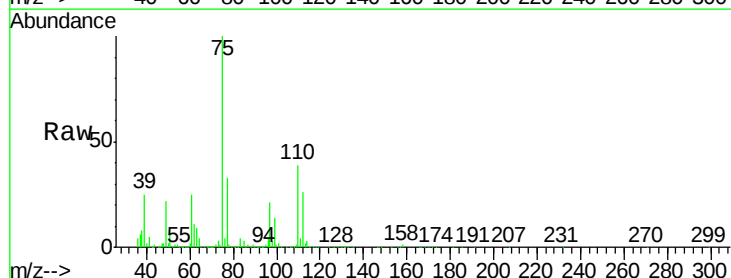
Acq: 08 Feb 2019 15:42

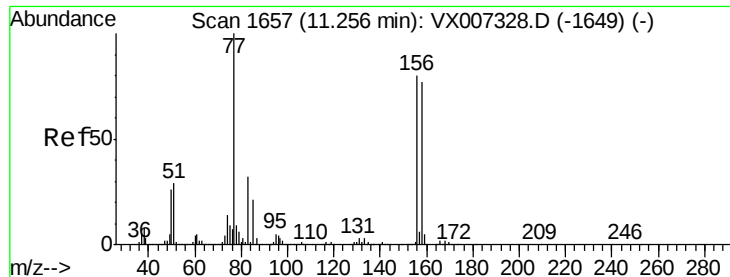
Tgt Ion: 75 Resp: 134232

Ion Ratio Lower Upper

75 100

77 36.5 23.0 69.0





#77

Bromobenzene

Concen: 19.616 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

Instrument :

MSVOA_X

ClientSampleId :

VX0208WBS02

Tot Ion:156 Resp: 118185

Ion Ratio Lower Upper

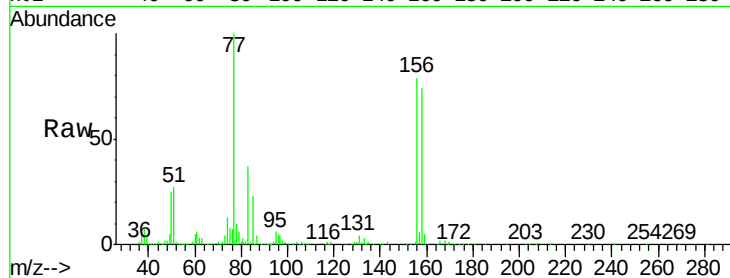
156 100

77 135.9 66.8 200.6

158 95.7 47.9 143.8

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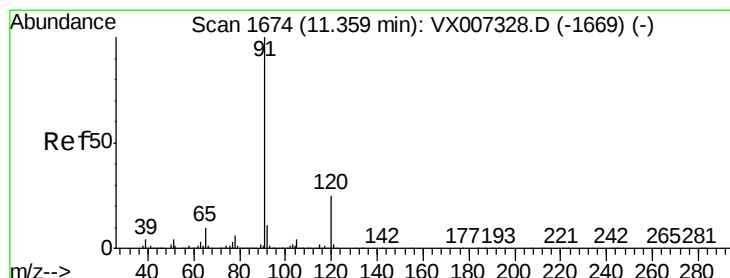
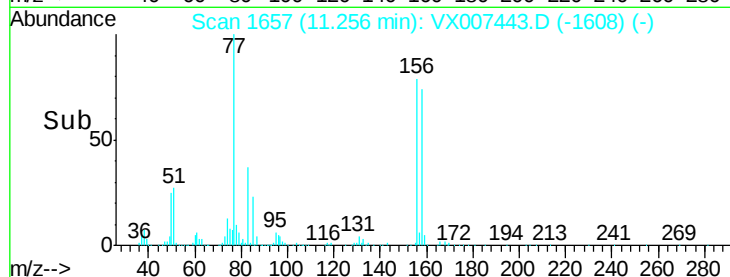
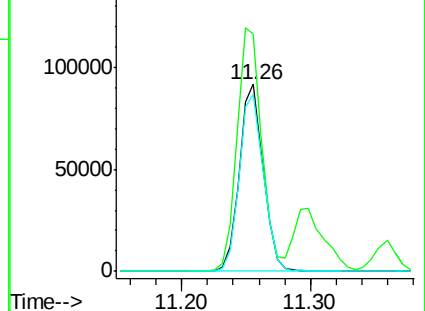
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.966 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007443.D

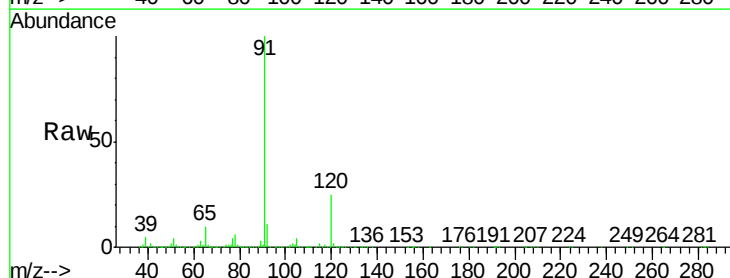
Acq: 08 Feb 2019 15:42

Tgt Ion: 91 Resp: 468183

Ion Ratio Lower Upper

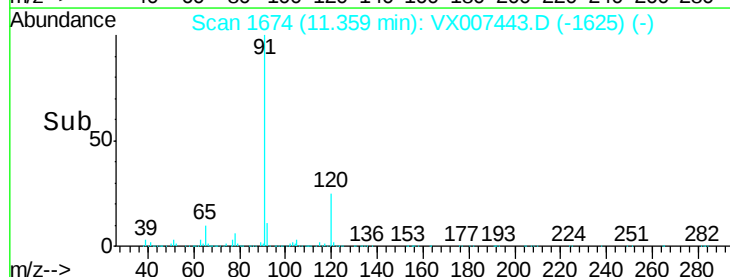
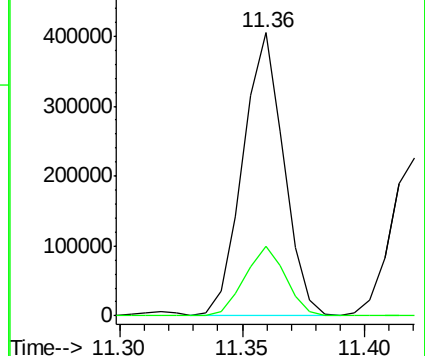
91 100

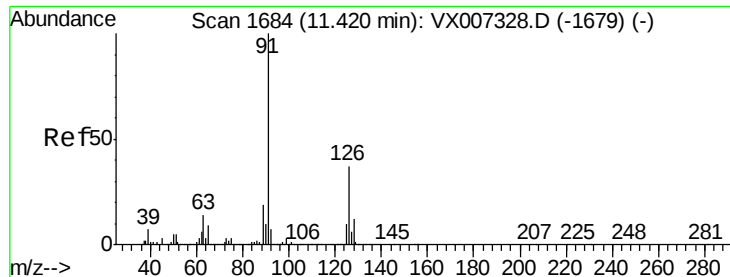
120 25.0 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.508 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

Instrument :

MSVOA_X

ClientSampleId :

VX0208WBS02

Tot Ion: 91 Resp: 277569

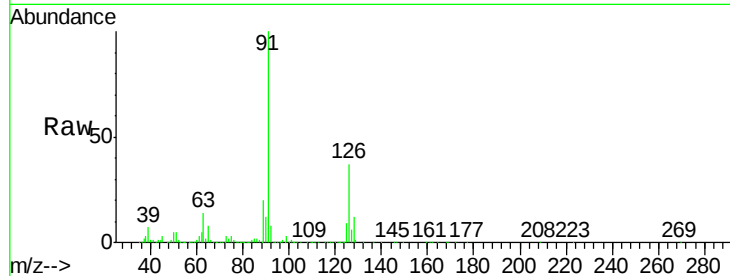
Ion Ratio Lower Upper

91 100

126 37.7 18.7 56.1

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

400000

300000

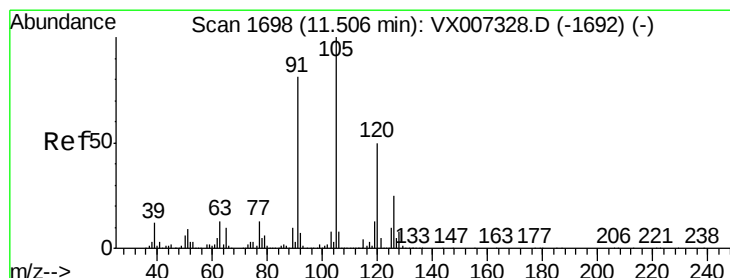
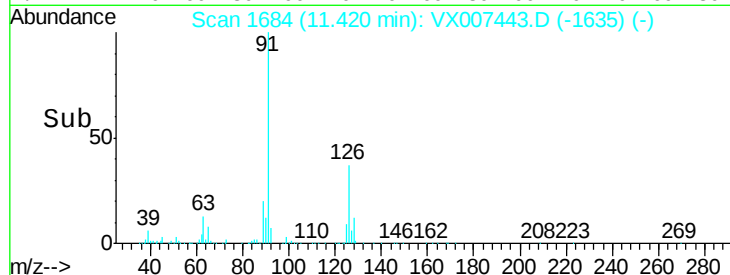
200000

100000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.734 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007443.D

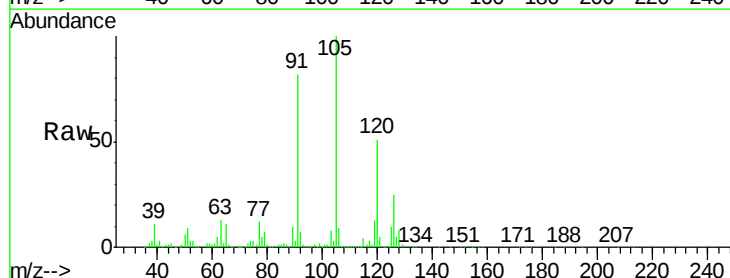
Acq: 08 Feb 2019 15:42

Tgt Ion: 105 Resp: 345249

Ion Ratio Lower Upper

105 100

120 49.7 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

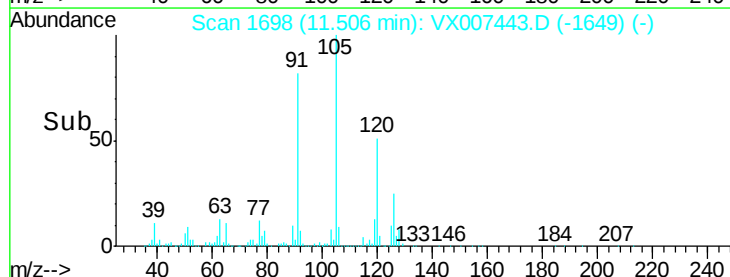
200000

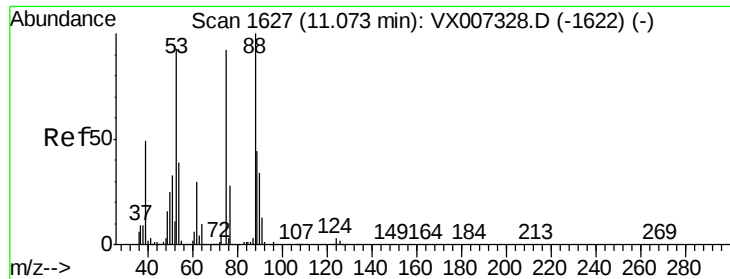
100000

0

11.40 11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.487 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

Instrument :

MSVOA_X

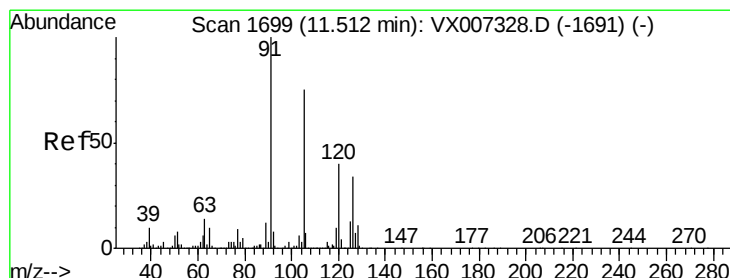
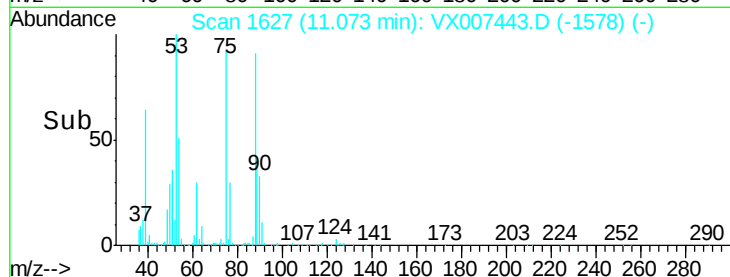
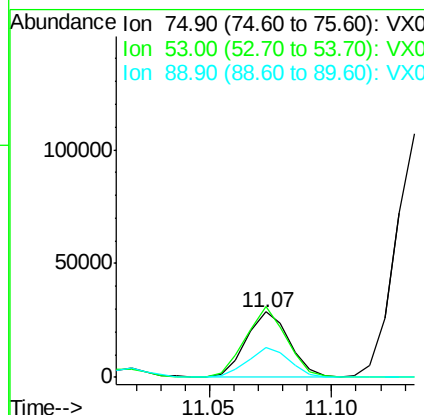
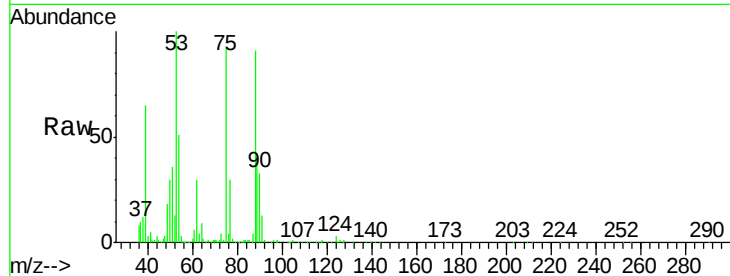
ClientSampleId :

VX0208WBS02

Tot Ion:	75	Resp:	35171
Ion Ratio	Lower	Upper	
75	100		
53	102.7	81.0	121.6
89	44.6	41.4	62.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.354 ug/l

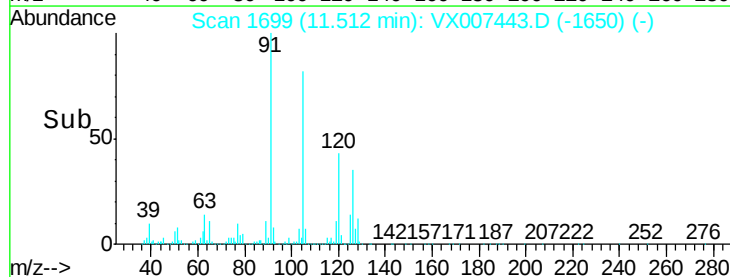
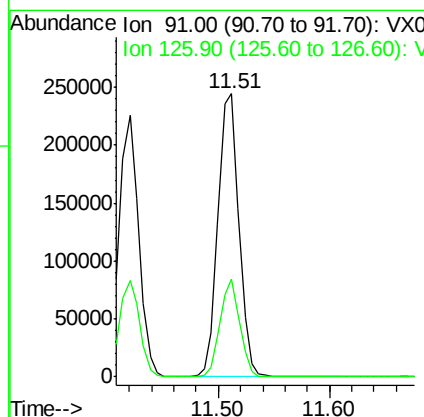
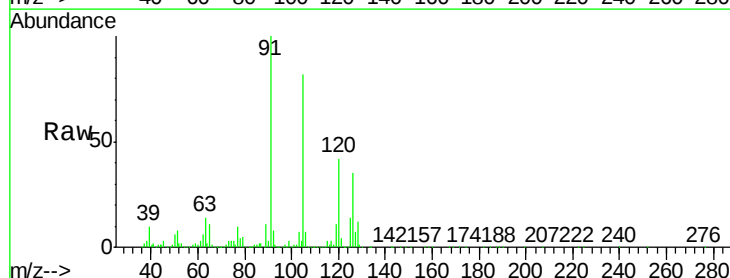
RT: 11.51 min Scan# 1699

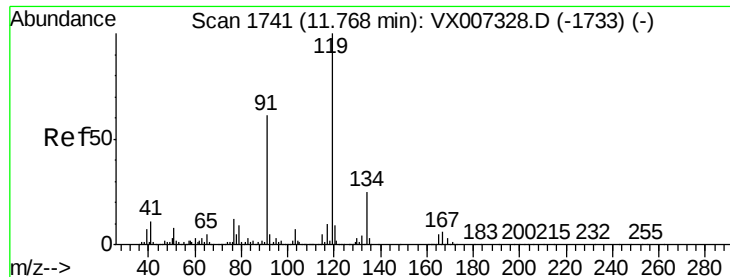
Delta R.T. 0.00 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

Tgt Ion:	91	Resp:	318630
Ion Ratio	Lower	Upper	
91	100		
126	32.6	16.2	48.5





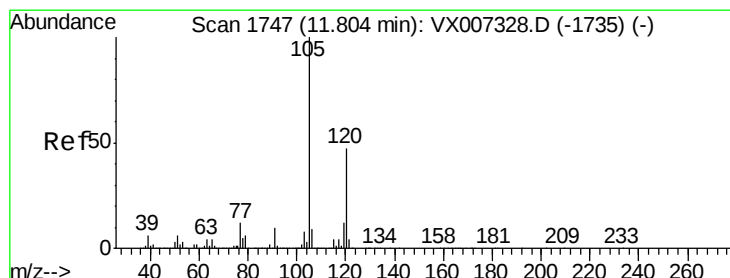
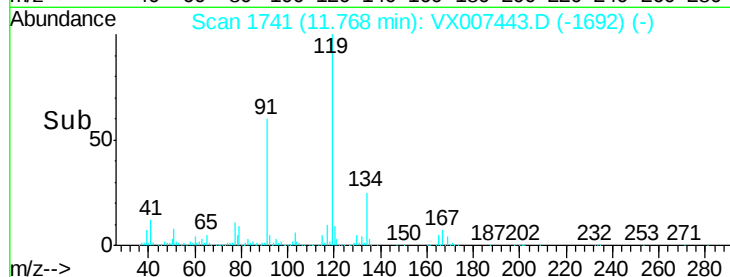
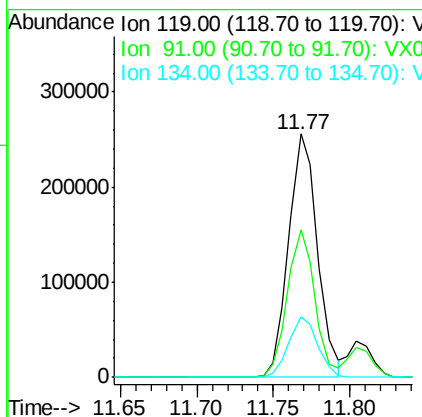
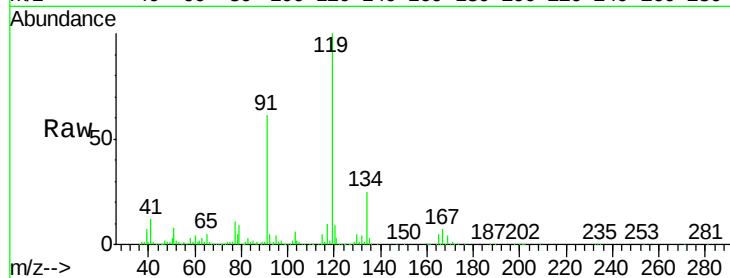
#83
 tert-Butylbenzene
 Concen: 19.290 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX007443.D
 Acq: 08 Feb 2019 15:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0208WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	334113		
91	58.0	28.5	85.6	
134	24.9	12.0	36.0	

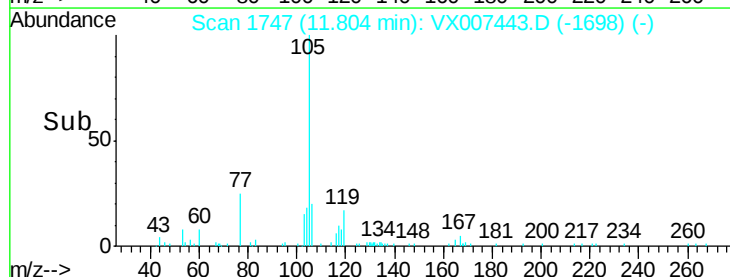
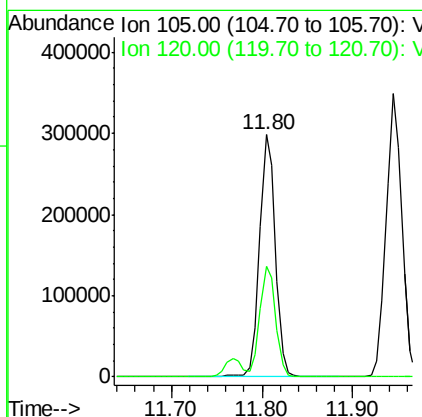
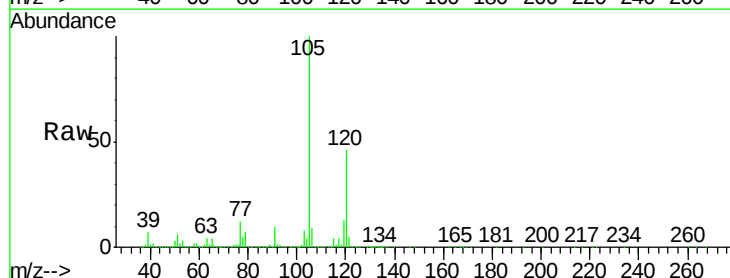
Manual Integrations
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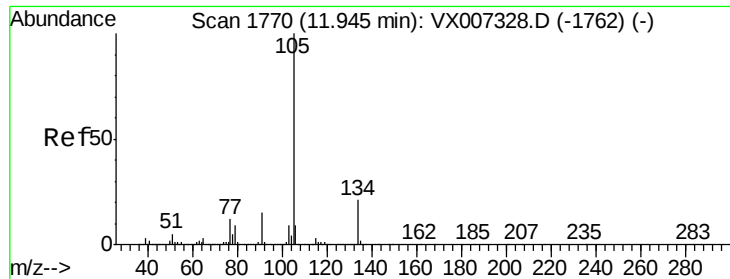
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.186 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX007443.D
 Acq: 08 Feb 2019 15:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	358536		
120	45.6	23.1	69.3	





#85

sec-Butylbenzene

Concen: 20.087 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

Instrument :

MSVOA_X

ClientSampleId :

VX0208WBS02

Tot Ion:105 Resp: 421095

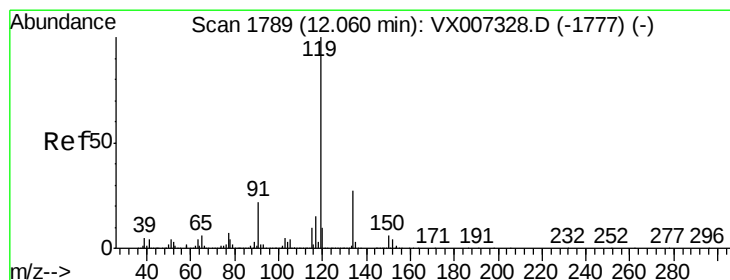
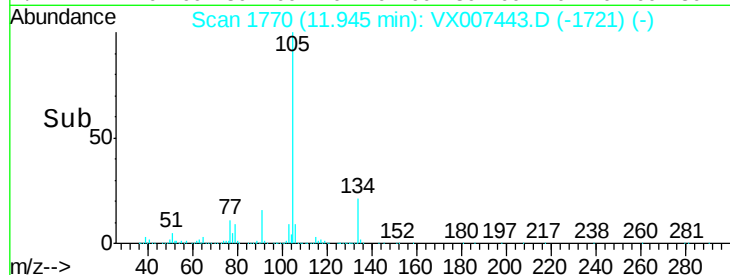
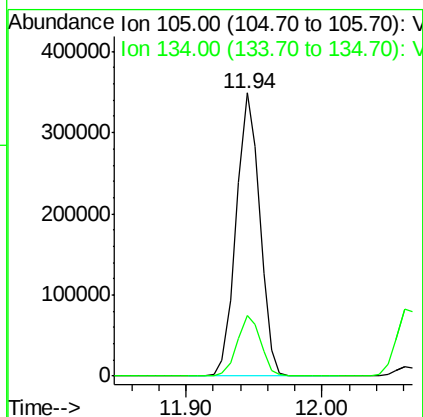
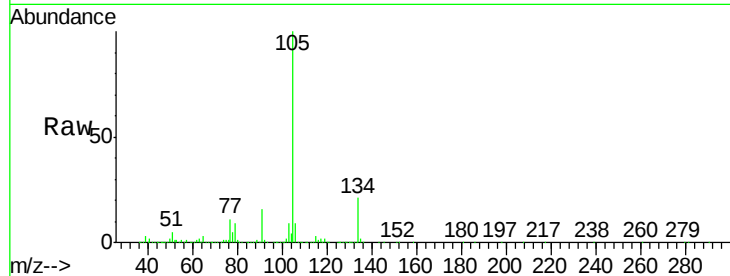
Ion Ratio Lower Upper

105 100

134 21.2 10.6 31.8

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 19.661 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

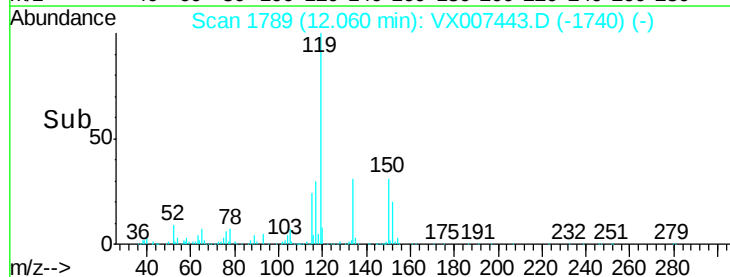
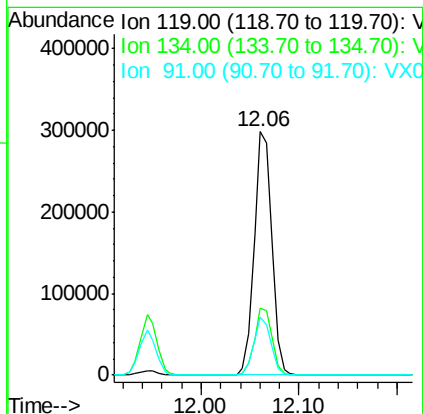
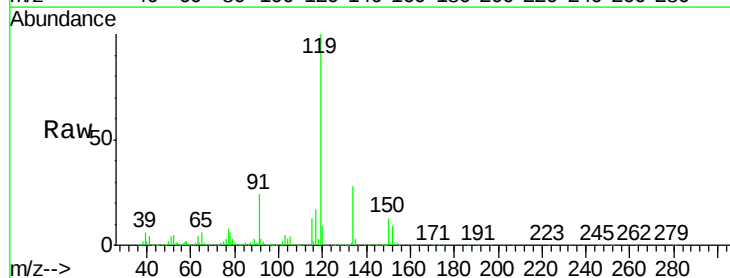
Tgt Ion:119 Resp: 372063

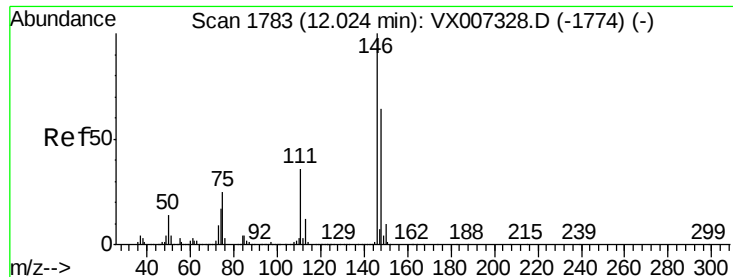
Ion Ratio Lower Upper

119 100

134 27.5 13.7 41.1

91 23.2 11.2 33.5





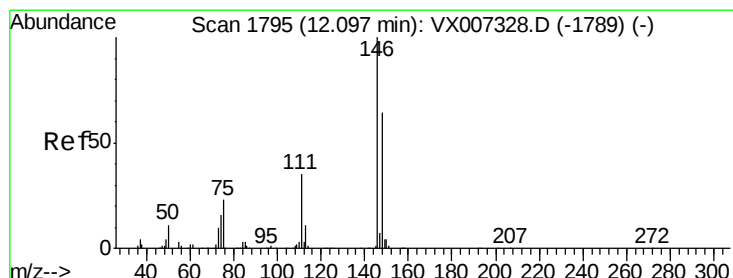
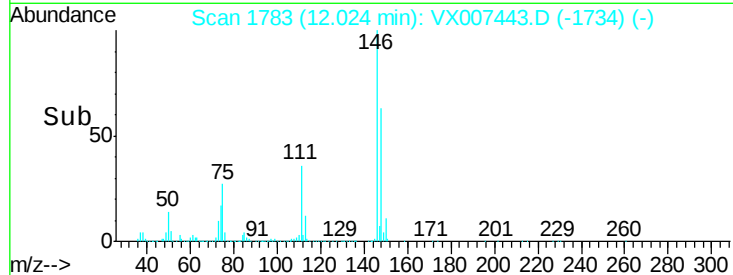
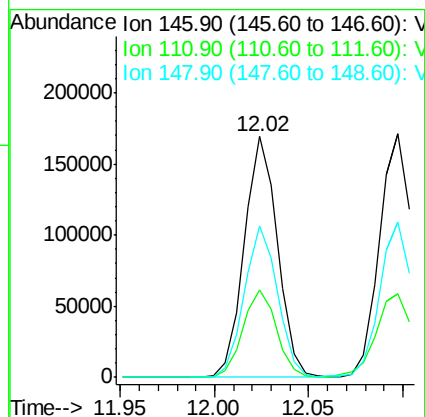
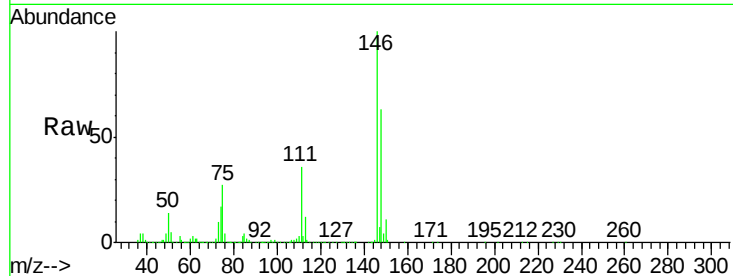
#87
 1,3-Dichlorobenzene
 Concen: 19.129 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007443.D
 Acq: 08 Feb 2019 15:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0208WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.1	54.1
148	63.5	32.0	96.2

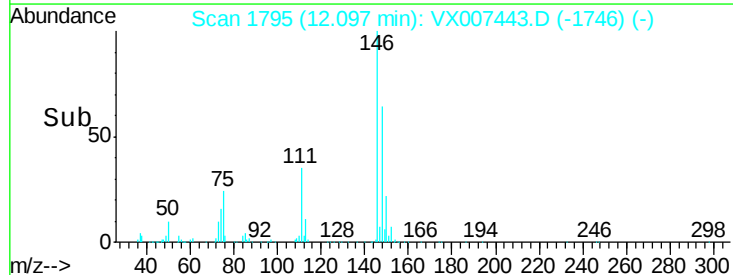
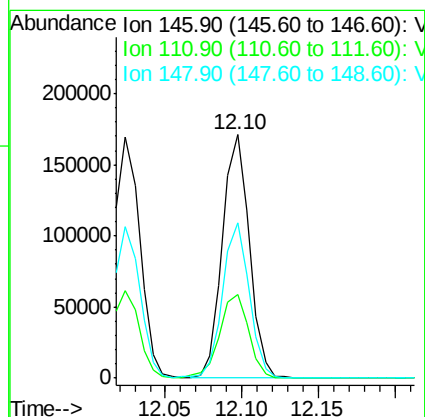
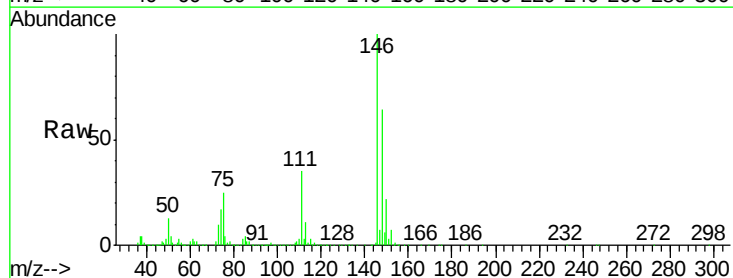
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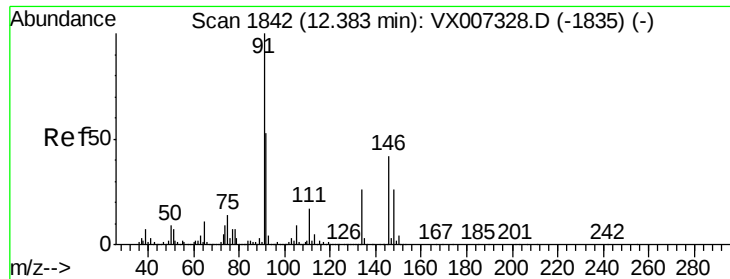
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 2/11/2019 9:39:24 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.037 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007443.D
 Acq: 08 Feb 2019 15:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.1	54.1
148	63.2	32.3	96.9





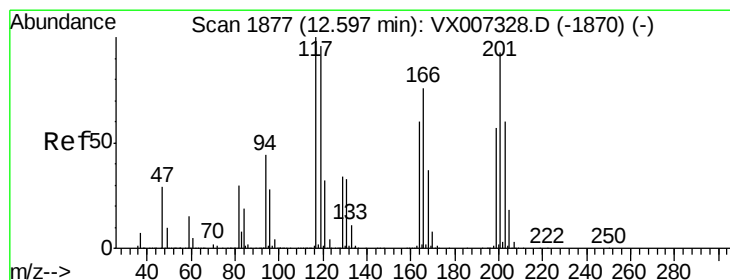
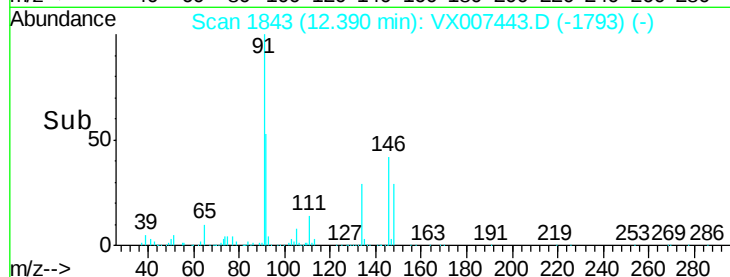
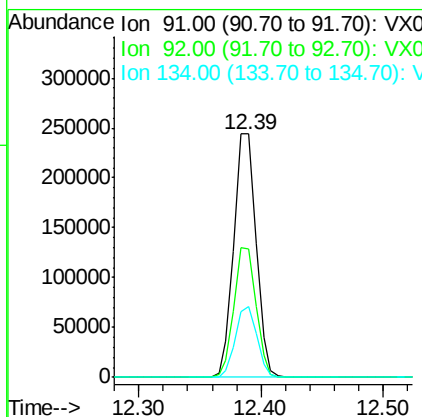
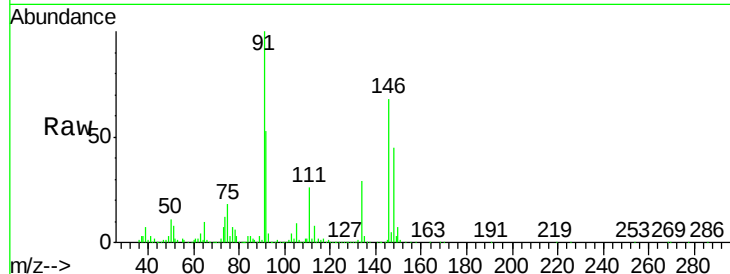
#89
n-Butylbenzene
Concen: 18.845 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX007443.D
Acq: 08 Feb 2019 15:42

Instrument :
MSVOA_X
ClientSampleId :
VX0208WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.3	78.9
134	28.3	13.9	41.6

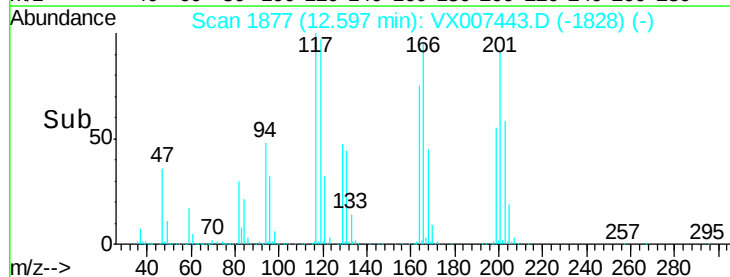
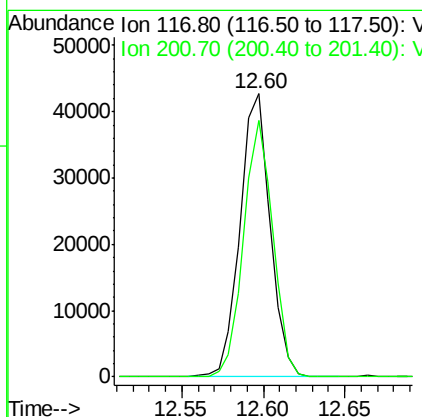
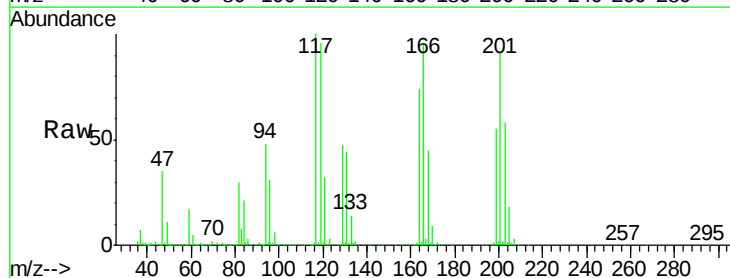
Manual Integrations
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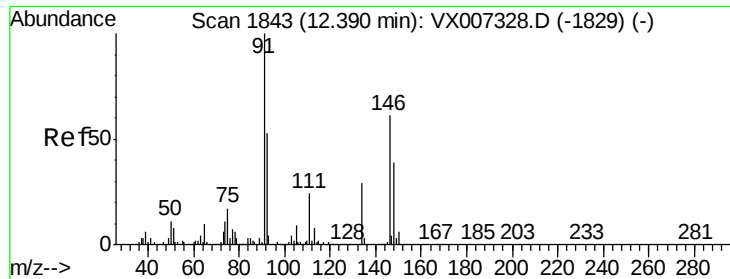
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#90
Hexachloroethane
Concen: 19.453 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007443.D
Acq: 08 Feb 2019 15:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.2	44.9	134.7





#91

1,2-Dichlorobenzene

Concen: 19.031 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

Instrument :

MSVOA_X

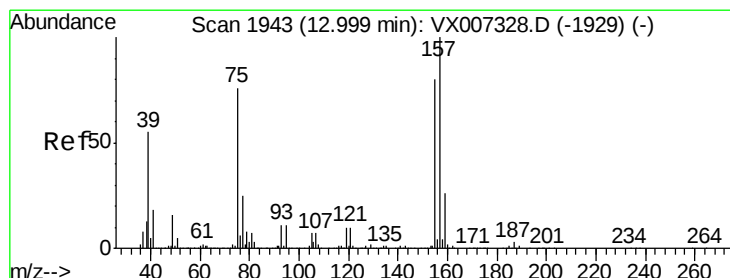
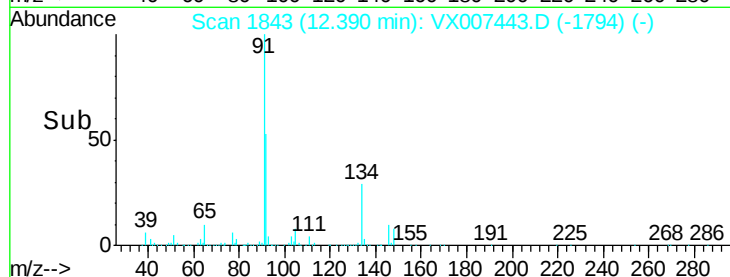
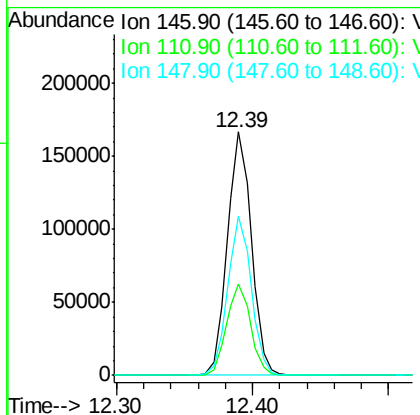
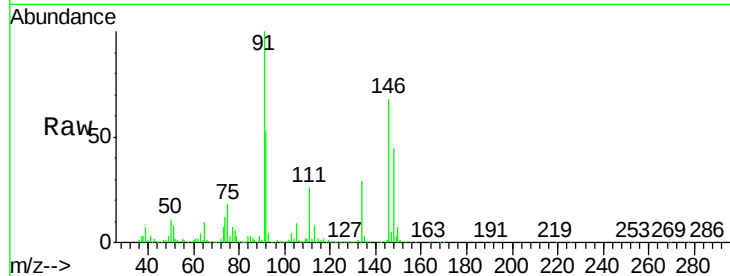
ClientSampleId :

VX0208WBS02

Tot Ion:	146	Resp:	204795
Ion Ratio	Lower	Upper	
146	100		
111	37.3	19.1	57.3
148	64.1	32.1	96.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.832 ug/l

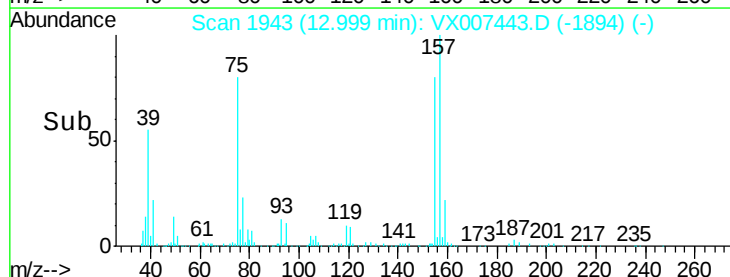
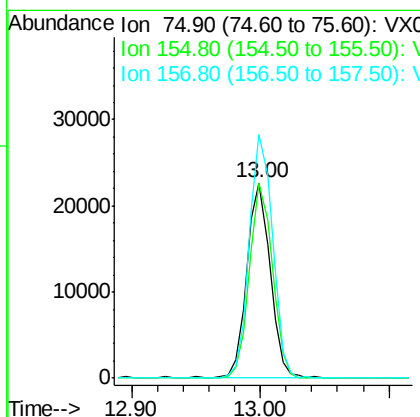
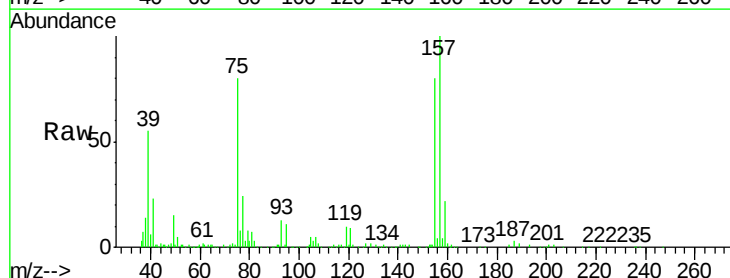
RT: 13.00 min Scan# 1943

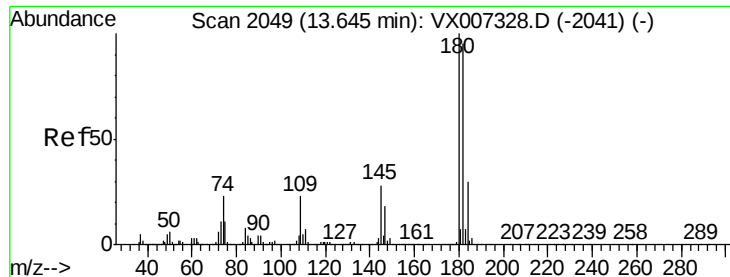
Delta R.T. 0.00 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

Tgt Ion:	75	Resp:	28229
Ion Ratio	Lower	Upper	
75	100		
155	98.2	49.6	149.0
157	124.2	65.1	195.3





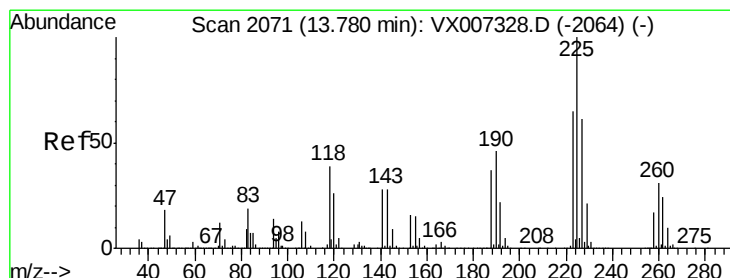
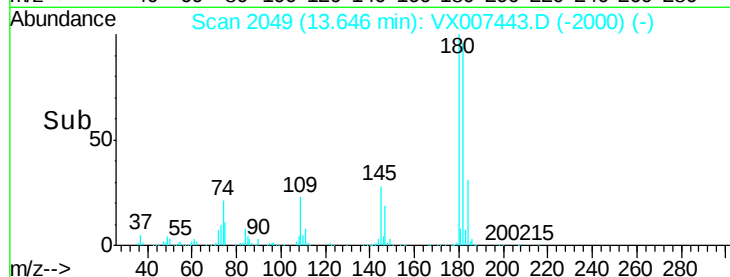
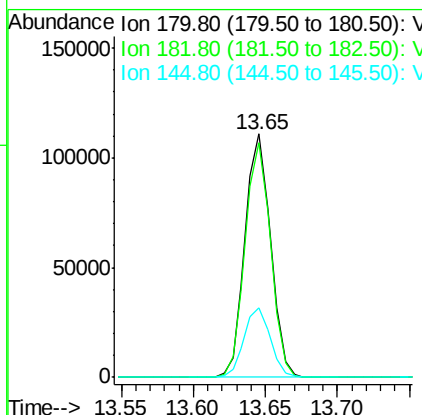
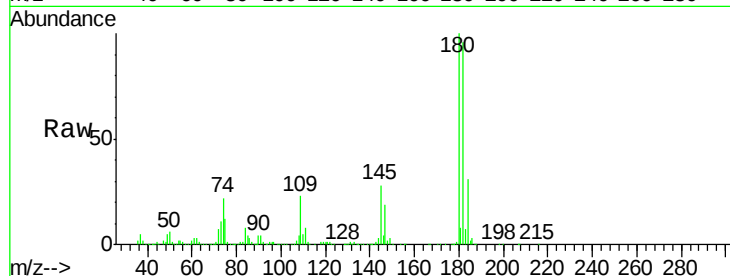
#93
 1,2,4-Trichlorobenzene
 Concen: 18.823 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007443.D
 Acq: 08 Feb 2019 15:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0208WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	136599		
182	96.1	47.8	143.3	
145	29.4	14.1	42.2	

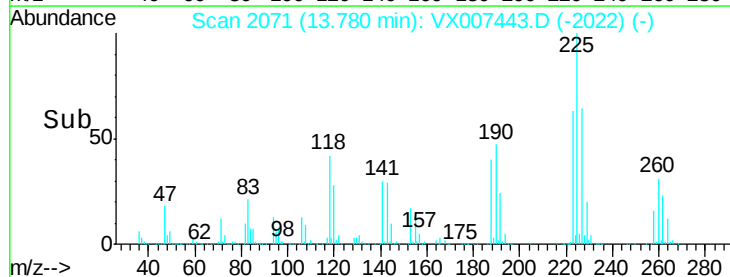
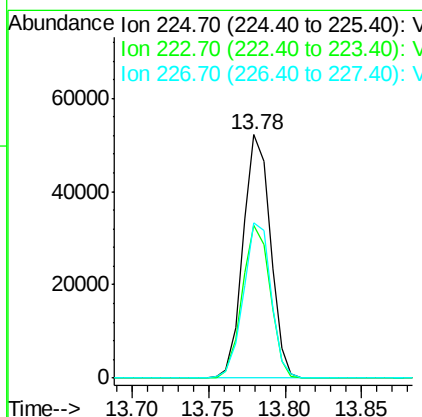
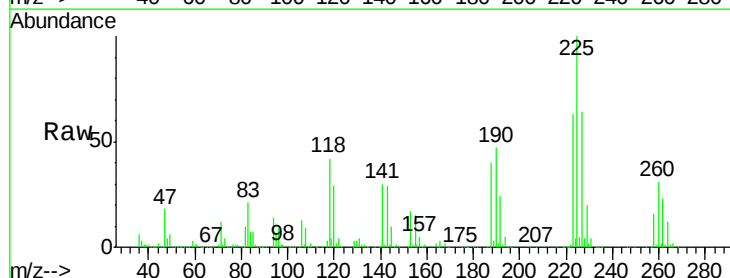
Manual Integrations
 APPROVED

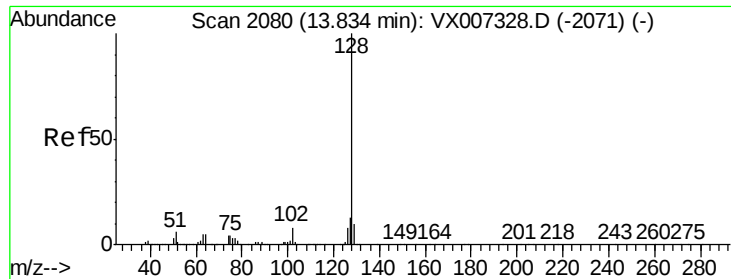
MMDadoda
 2/11/2019 9:39:24 AM



#94
 Hexachlorobutadiene
 Concen: 18.371 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007443.D
 Acq: 08 Feb 2019 15:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	64736		
223	63.8	31.6	94.8	
227	64.2	32.1	96.3	





#95

Naphthalene

Concen: 20.132 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

Instrument :

MSVOA_X

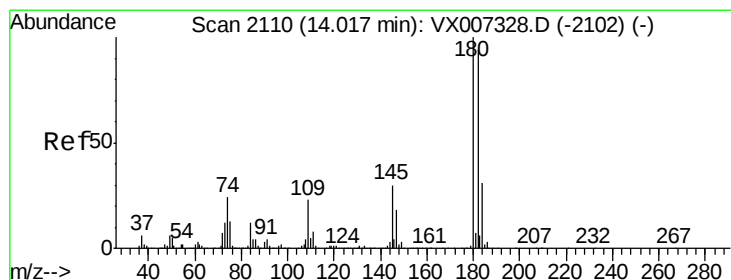
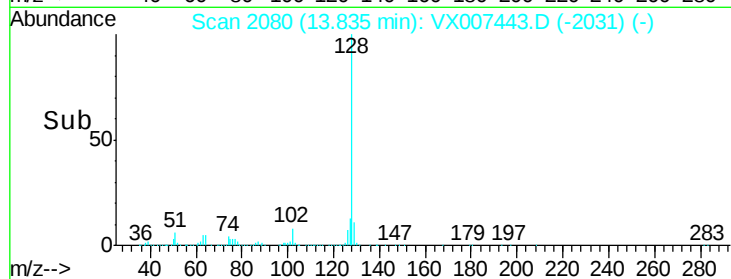
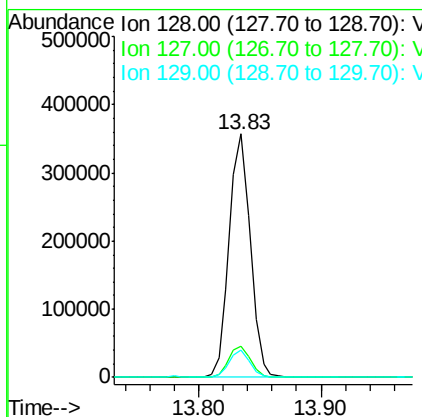
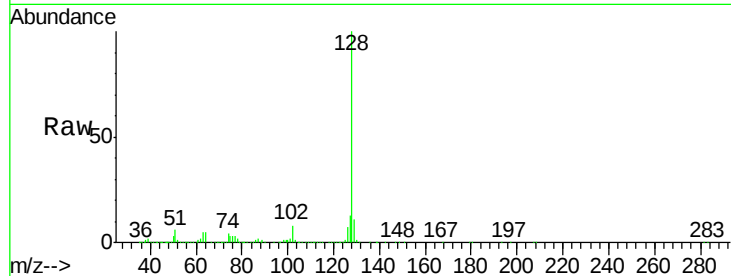
ClientSampleId :

VX0208WBS02

Tot Ion:	128	Resp:	427247
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.5	15.7
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/11/2019 9:39:24 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.556 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007443.D

Acq: 08 Feb 2019 15:42

Tgt Ion:	180	Resp:	135551
Ion Ratio	Lower	Upper	
180	100		
182	97.7	47.5	142.6
145	31.9	14.9	44.5

