

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061719\
 Data File : VX010329.D
 Acq On : 17 Jun 2019 17:32
 Operator : JC/SP
 Sample : VX0617MBS02
 Misc : 5.0µ/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0617MBS02

Manual Integrations
 APPROVED

MMDadoda
 6/18/2019 11:26:59 AM

Quant Time: Jun 18 02:22:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	309259	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	460078	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	415983	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	212703	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	156147	51.73	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.46%		
35) Dibromofluoromethane	5.50	113	155634	54.84	ug/l	0.00
Spiked Amount 50.000			Recovery =	109.68%		
50) Toluene-d8	8.71	98	579705	54.50	ug/l	0.00
Spiked Amount 50.000			Recovery =	109.00%		
62) 4-Bromofluorobenzene	11.13	95	213243	53.69	ug/l	0.00
Spiked Amount 50.000			Recovery =	107.38%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	56475	19.846	ug/l	98
3) Chloromethane	1.33	50	51338	18.166	ug/l	100
4) Vinyl Chloride	1.41	62	54145	20.385	ug/l	99
5) Bromomethane	1.64	94	27425	27.362	ug/l	97
6) Chloroethane	1.72	64	35263	26.333	ug/l	98
7) Trichlorofluoromethane	1.93	101	90481	22.933	ug/l	98
8) Diethyl Ether	2.19	74	30541	22.459	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	2.39	101	54326	19.975	ug/l	90
10) Methyl Iodide	2.51	142	72741	17.263	ug/l	97
11) Tert butyl alcohol	3.04	59	86032	116.338	ug/l	98
12) 1,1-Dichloroethene	2.37	96	53881	19.397	ug/l #	77
13) Acrolein	2.29	56	9571	70.980	ug/l	95
14) Allyl chloride	2.73	41	79710	19.010	ug/l #	88
15) Acrylonitrile	3.14	53	155124	102.627	ug/l	99
16) Acetone	2.45	43	150403	105.931	ug/l #	89
17) Carbon Disulfide	2.57	76	128265	15.981	ug/l	99
18) Methyl Acetate	2.78	43	67580	21.643	ug/l #	81
19) Methyl tert-butyl Ether	3.20	73	178868	20.043	ug/l	91
20) Methylene Chloride	2.85	84	60705	19.468	ug/l #	78
21) trans-1,2-Dichloroethene	3.17	96	57624	18.745	ug/l #	77
22) Diisopropyl ether	3.85	45	163538	20.399	ug/l #	93
23) Vinyl Acetate	3.81	43	716395	100.169	ug/l #	89
24) 1,1-Dichloroethane	3.70	63	93954	19.302	ug/l	96
25) 2-Butanone	4.67	43	225485	106.650	ug/l #	83
26) 2,2-Dichloropropane	4.59	77	84782	19.093	ug/l	93
27) cis-1,2-Dichloroethene	4.59	96	68906	20.149	ug/l	77
28) Bromochloromethane	5.01	49	39770	18.231	ug/l #	48
29) Tetrahydrofuran	5.13	42	134577	101.284	ug/l #	76
30) Chloroform	5.21	83	100983	19.977	ug/l	99
31) Cyclohexane	5.58	56	81815	18.624	ug/l #	75
32) 1,1,1-Trichloroethane	5.50	97	91516	19.257	ug/l	94
36) 1,1-Dichloropropene	5.80	75	71867	19.146	ug/l	92
37) Ethyl Acetate	4.83	43	76954	19.704	ug/l #	89
38) Carbon Tetrachloride	5.79	117	81617	19.211	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	95013	18.589	ug/l #	83
40) Benzene	6.14	78	231173	19.917	ug/l	99
41) Methacrylonitrile	5.04	41	41695	19.736	ug/l #	81
42) 1,2-Dichloroethane	6.20	62	75723	20.436	ug/l	95
43) Isopropyl Acetate	6.45	43	130055	19.917	ug/l #	89
44) Trichloroethene	7.21	130	69164	19.769	ug/l	83
45) 1,2-Dichloropropane	7.51	63	60235	20.735	ug/l	97
46) Dibromomethane	7.66	93	41733	19.175	ug/l	89
47) Bromodichloromethane	7.90	83	78458	19.292	ug/l #	99
48) Methyl methacrylate	7.77	41	60770	19.900	ug/l #	76
49) 1,4-Dioxane	7.74	88	36177	415.501	ug/l #	79
51) 4-Methyl-2-Pentanone	8.64	43	421327	108.006	ug/l	89
52) Toluene	8.78	92	151516	19.859	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	86382	18.364	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	95247	18.887	ug/l #	90
55) 1,1,2-Trichloroethane	9.21	97	66135	21.166	ug/l	97
56) Ethyl methacrylate	9.18	69	99111	20.080	ug/l #	82
57) 1,3-Dichloropropane	9.37	76	98705	20.065	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.31	63	225092	96.736	ug/l #	86
59) 2-Hexanone	9.49	43	338084	108.699	ug/l	88
60) Dibromochloromethane	9.58	129	71610	19.375	ug/l	100
61) 1,2-Dibromoethane	9.67	107	68577	19.706	ug/l	99
64) Tetrachloroethene	9.34	164	67607	21.882	ug/l	97
65) Chlorobenzene	10.14	112	172500	20.092	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	64548	19.550	ug/l	98
67) Ethyl Benzene	10.25	91	294160	20.126	ug/l	95
68) m/p-Xylenes	10.36	106	225756	39.916	ug/l	91
69) o-Xylene	10.69	106	112210	19.959	ug/l	89
70) Styrene	10.71	104	188165	19.761	ug/l	95
71) Bromoform	10.85	173	56195	18.514	ug/l #	99
73) Isopropylbenzene	11.02	105	295521	19.903	ug/l	94
74) N-amyl acetate	10.90	43	117901	20.087	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	11.27	83	99837	19.643	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	83694m	19.672	ug/l	
77) Bromobenzene	11.26	156	80973	19.831	ug/l	82
78) n-propylbenzene	11.36	91	324865	19.653	ug/l	94
79) 2-Chlorotoluene	11.42	91	193541	19.495	ug/l	91
80) 1,3,5-Trimethylbenzene	11.51	105	248140	19.842	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	34327	17.827	ug/l	87
82) 4-Chlorotoluene	11.51	91	221645	19.653	ug/l	90
83) tert-Butylbenzene	11.77	119	250880	19.820	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	250433	19.825	ug/l	97
85) sec-Butylbenzene	11.94	105	293666	19.914	ug/l	96
86) p-Isopropyltoluene	12.06	119	268923	19.948	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	144300	20.064	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	143343	19.771	ug/l	99
89) n-Butylbenzene	12.38	91	227704	19.622	ug/l	97
90) Hexachloroethane	12.60	117	45820	17.062	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	142806	20.424	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21832	18.254	ug/l	67

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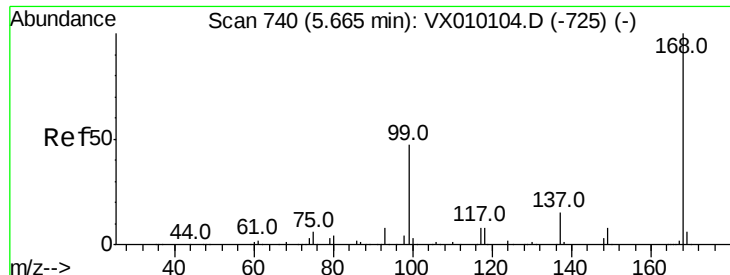
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	101101	19.754	ug/l	99
94) Hexachlorobutadiene	13.78	225	45994	20.207	ug/l	99
95) Naphthalene	13.83	128	324595	20.147	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	102511	20.257	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010329.D

Acq: 17 Jun 2019 17:32

Instrument :

MSVOA_X

ClientSampleId :

VX0617MBS02

Tot Ion:168 Resp: 309259

Ion Ratio Lower Upper

168 100

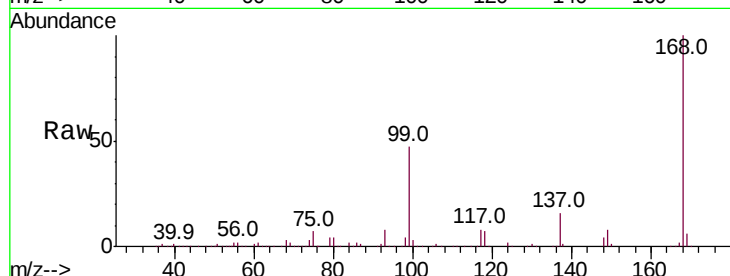
99 47.1 43.0 64.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

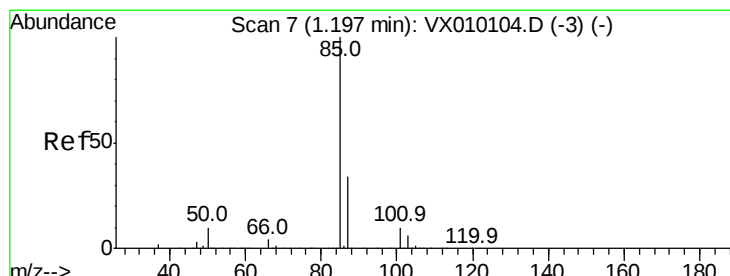
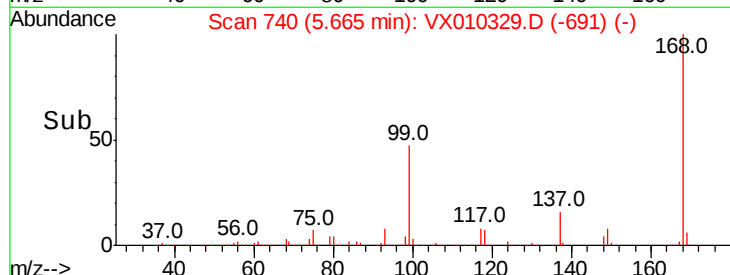
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.846 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX010329.D

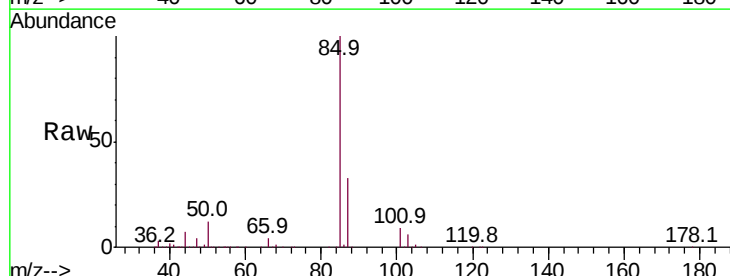
Acq: 17 Jun 2019 17:32

Tgt Ion: 85 Resp: 56475

Ion Ratio Lower Upper

85 100

87 33.0 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

50000

40000

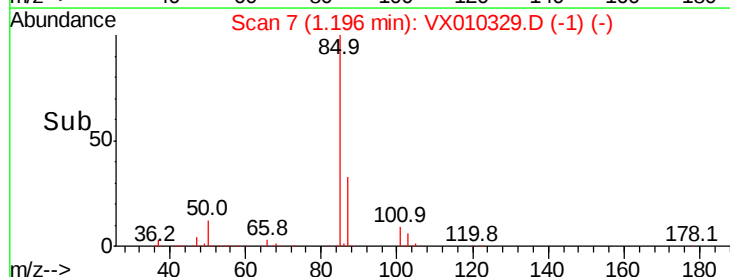
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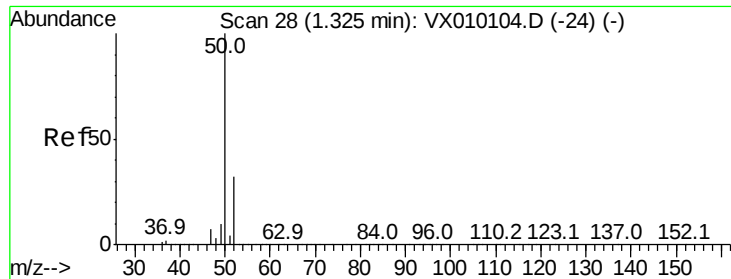
20000

10000

0

Time-->





#3

Chloromethane

Concen: 18.166 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010329.D

Acq: 17 Jun 2019 17:32

Instrument :

MSVOA_X

ClientSampleId :

VX0617MBS02

Tot Ion: 50 Resp: 51338

Ion Ratio Lower Upper

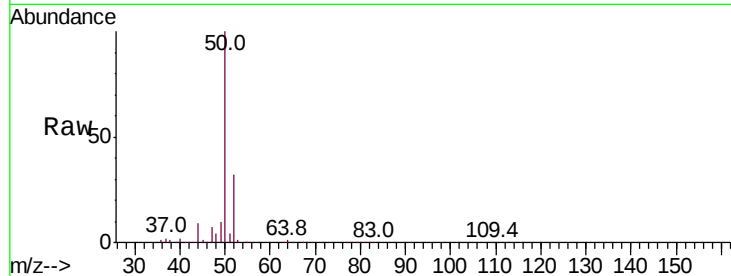
50 100

52 32.3 26.0 39.0

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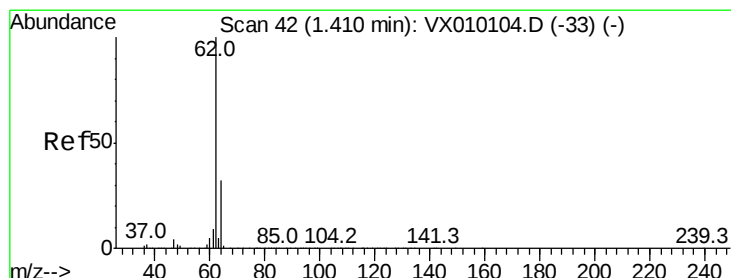
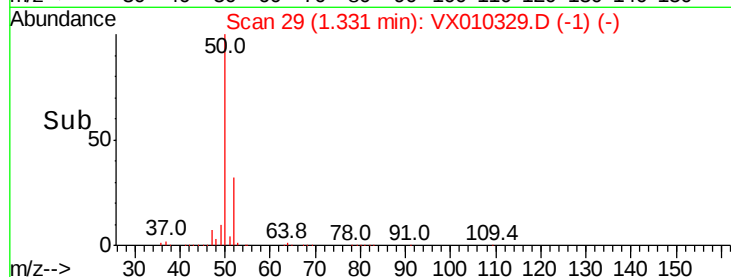
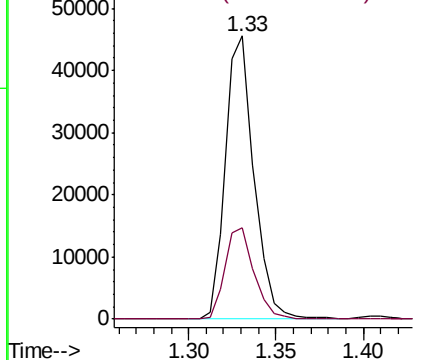
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.385 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010329.D

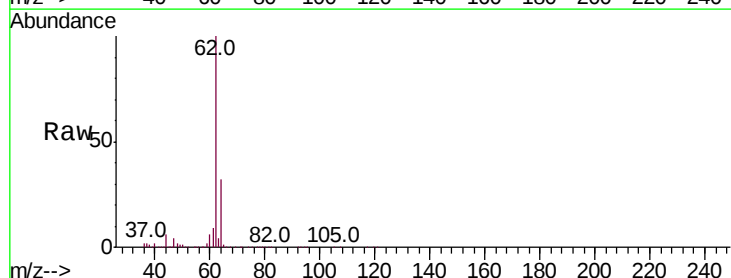
Acq: 17 Jun 2019 17:32

Tgt Ion: 62 Resp: 54145

Ion Ratio Lower Upper

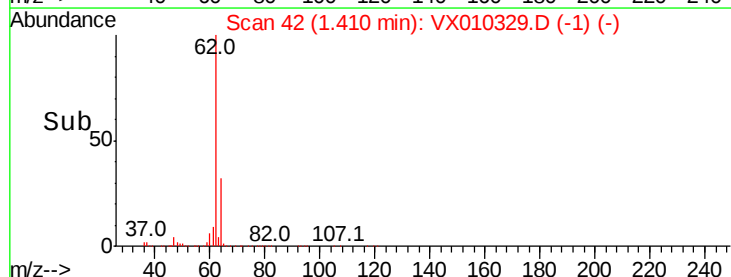
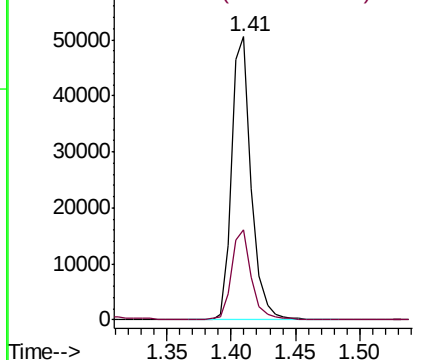
62 100

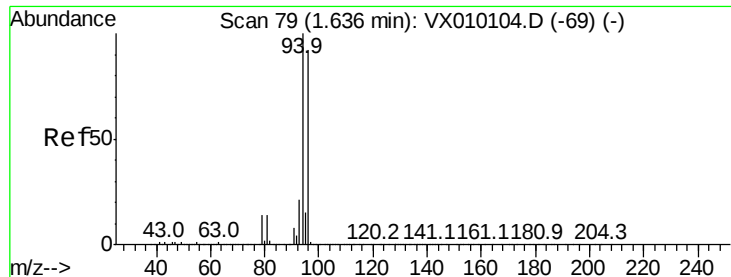
64 31.4 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 27.362 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX010329.D

Acq: 17 Jun 2019 17:32

Instrument :

MSVOA_X

ClientSampleId :

VX0617MBS02

Tot Ion: 94 Resp: 27425

Ion Ratio Lower Upper

94 100

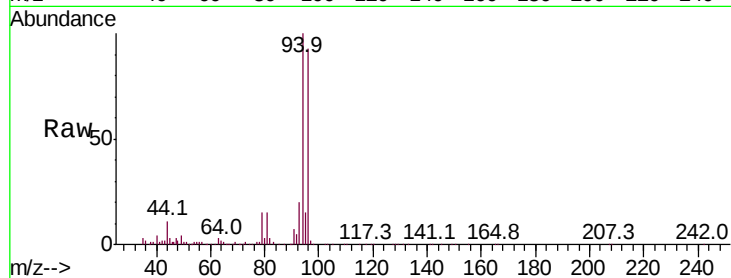
96 92.6 76.2 114.4

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

25000

20000

15000

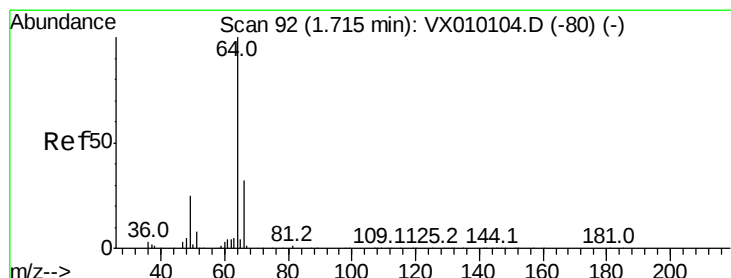
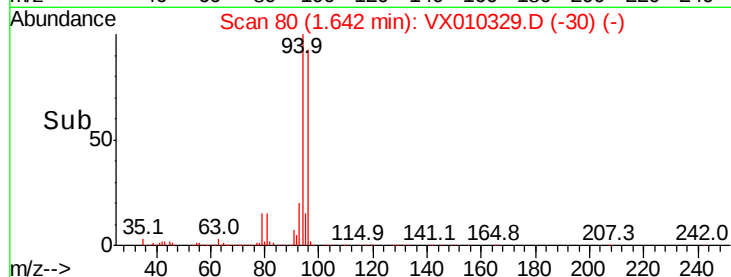
10000

5000

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 26.333 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010329.D

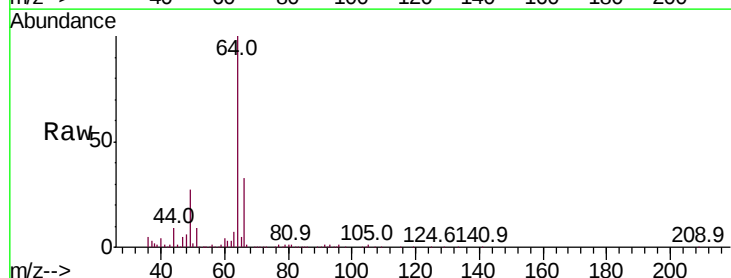
Acq: 17 Jun 2019 17:32

Tgt Ion: 64 Resp: 35263

Ion Ratio Lower Upper

64 100

66 32.6 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

25000

20000

15000

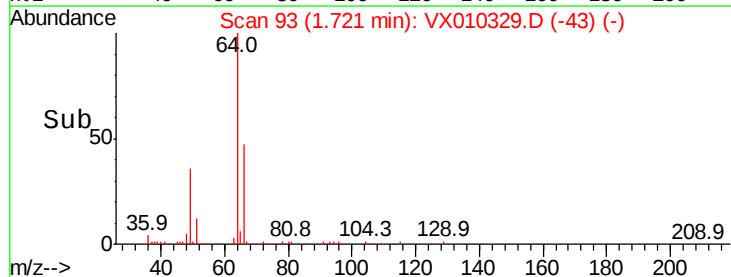
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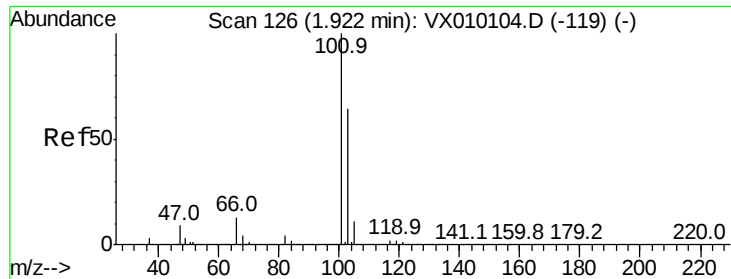
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0

1.60 1.70 1.80

Time-->





#7

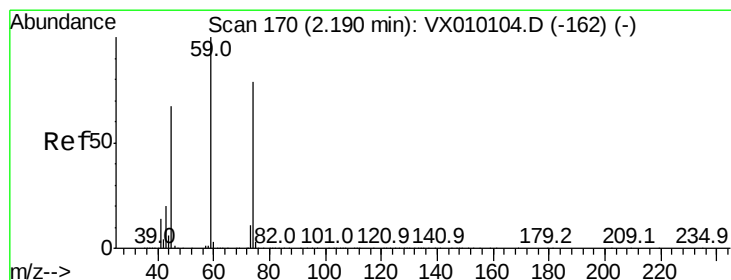
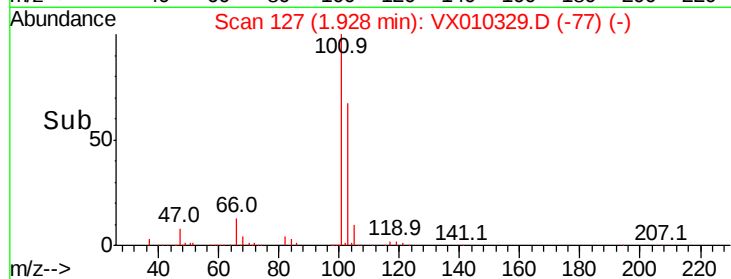
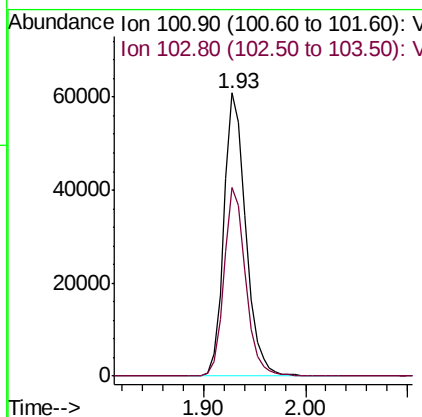
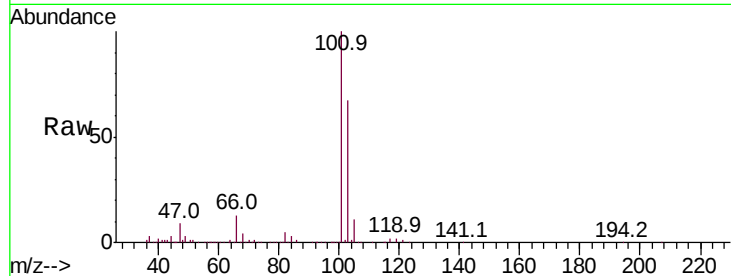
Trichlorofluoromethane
Concen: 22.933 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX010329.D
Acq: 17 Jun 2019 17:32

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ClientSampleId :
VX0617MBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.8	52.2	78.4

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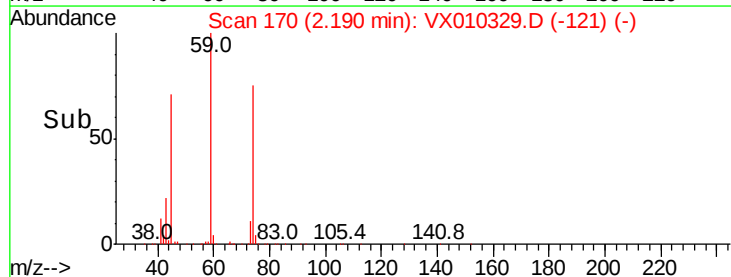
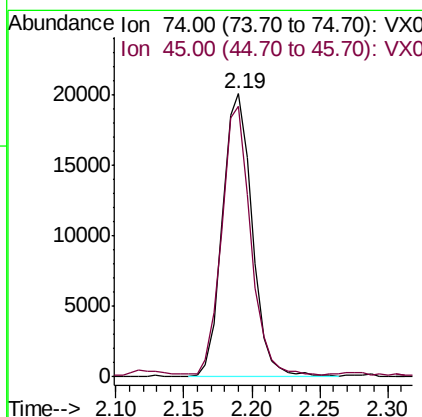
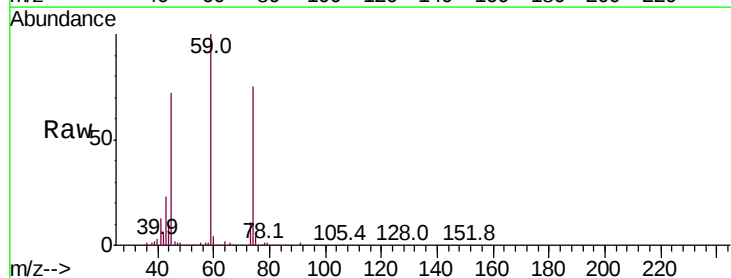
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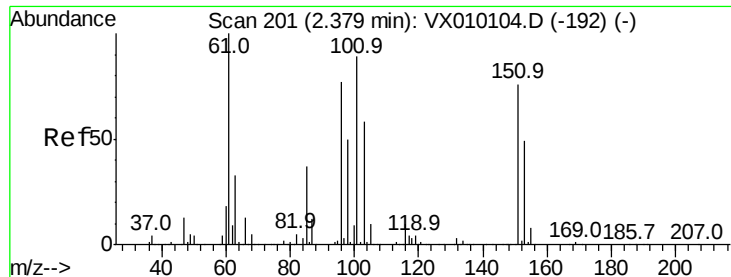


#8

Diethyl Ether
Concen: 22.459 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX010329.D
Acq: 17 Jun 2019 17:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.4	56.1	168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.975 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX010329.D

Acq: 17 Jun 2019 17:32

Instrument :

MSVOA_X

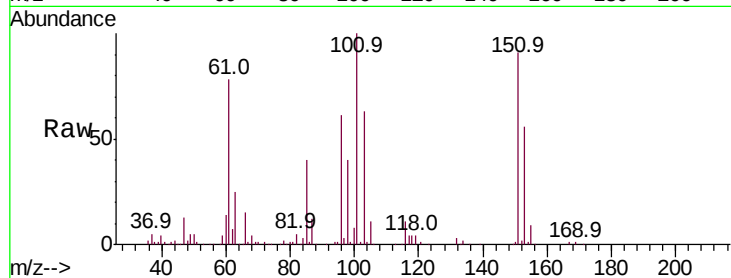
ClientSampleId :

VX0617MBS02

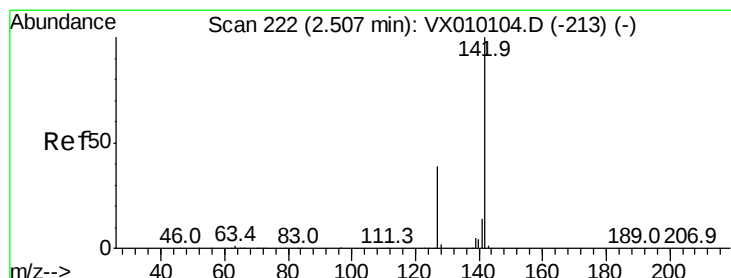
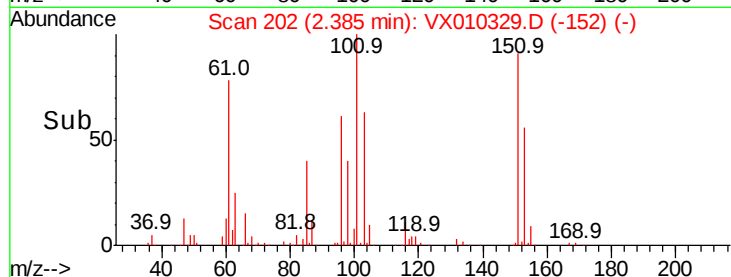
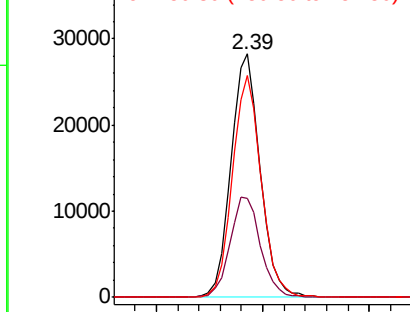
Tot Ion:	101	Resp:	54326
Ion Ratio	Lower	Upper	
101	100		
85	43.0	35.2	52.8
151	89.8	61.9	92.9

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.263 ug/l

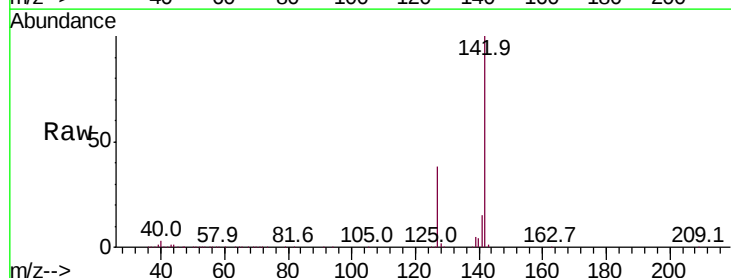
RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

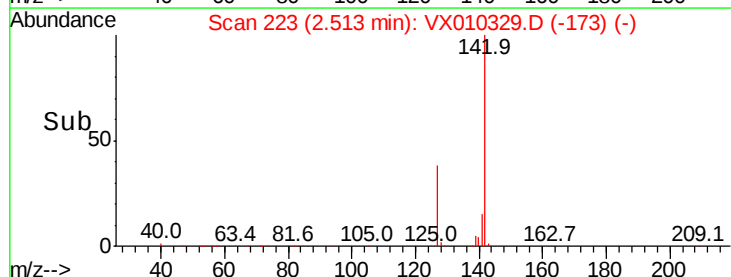
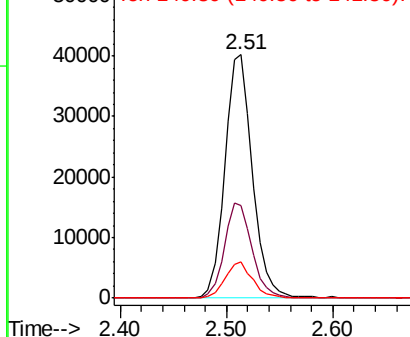
Lab File: VX010329.D

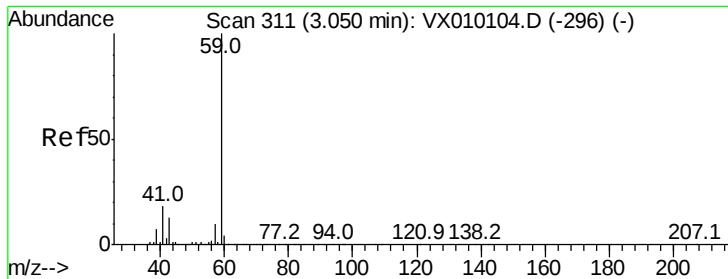
Acq: 17 Jun 2019 17:32

Tgt Ion:	142	Resp:	72741
Ion Ratio	Lower	Upper	
142	100		
127	38.9	33.0	49.4
141	14.6	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

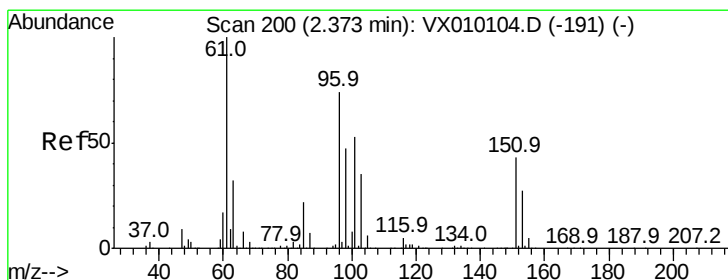
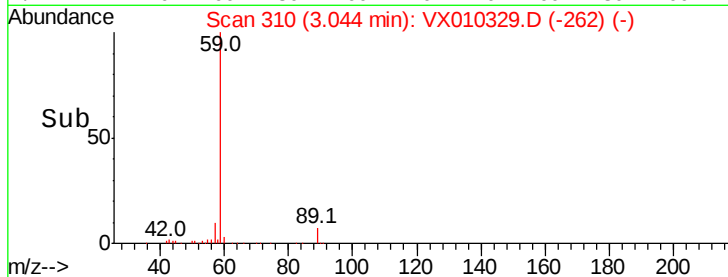
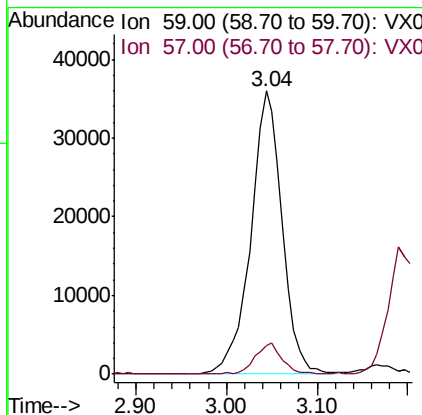
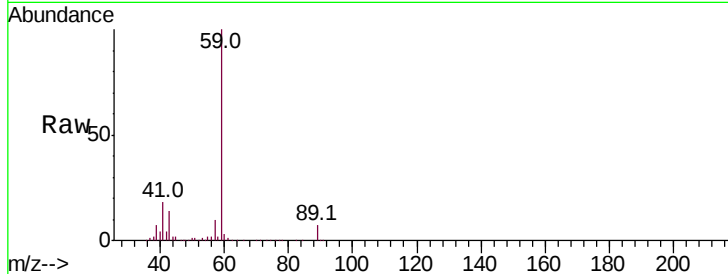
Tert butyl alcohol
Concen: 116.338 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010329.D
Acq: 17 Jun 2019 17:32

Instrument :
MSVOA_X
ClientSampleId :
VX0617MBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.4	8.2	12.2

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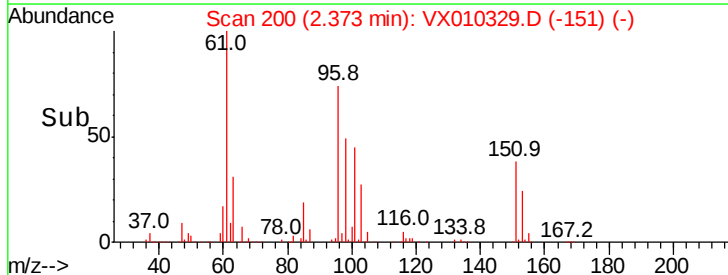
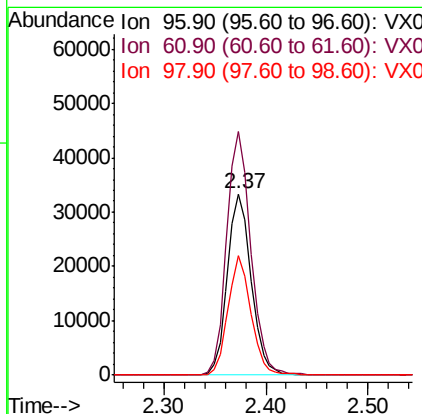
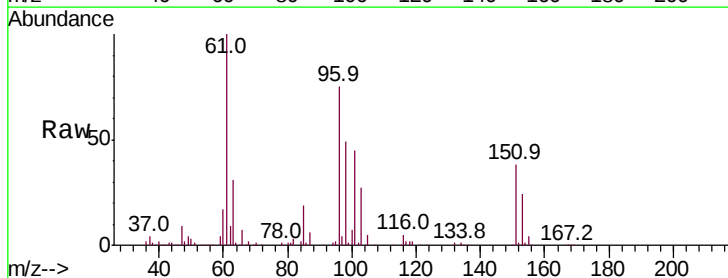
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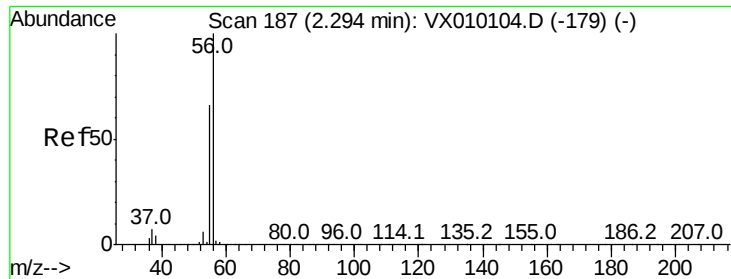


#12

1,1-Dichloroethene
Concen: 19.397 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX010329.D
Acq: 17 Jun 2019 17:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	134.1	140.7	211.1#
98	66.1	50.1	75.1





#13

Acrolein

Concen: 70.980 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010329.D

Acq: 17 Jun 2019 17:32

Instrument :

MSVOA_X

ClientSampleId :

VX0617MBS02

Tot Ion: 56 Resp: 9571

Ion Ratio Lower Upper

56 100

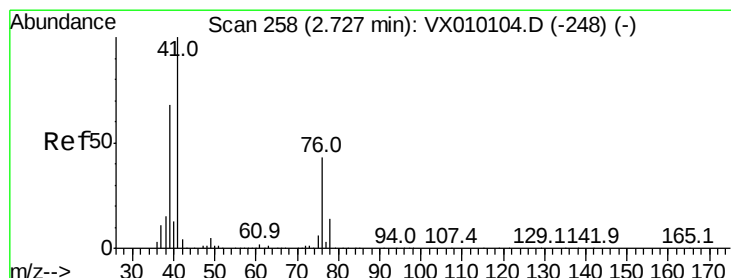
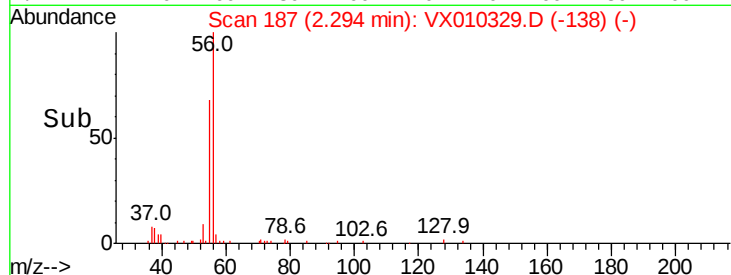
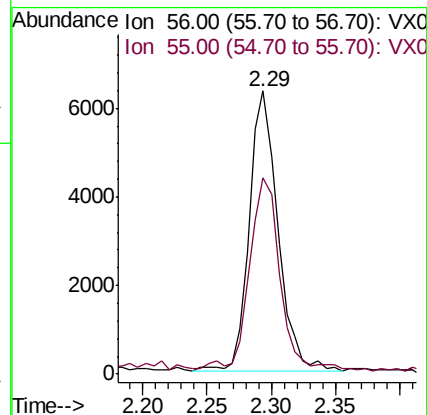
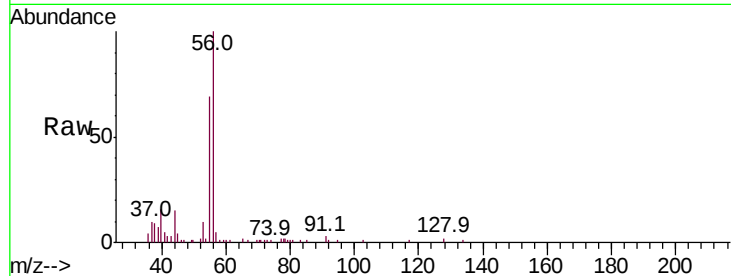
55 75.1 57.0 85.4

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#14

Allyl chloride

Concen: 19.010 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX010329.D

Acq: 17 Jun 2019 17:32

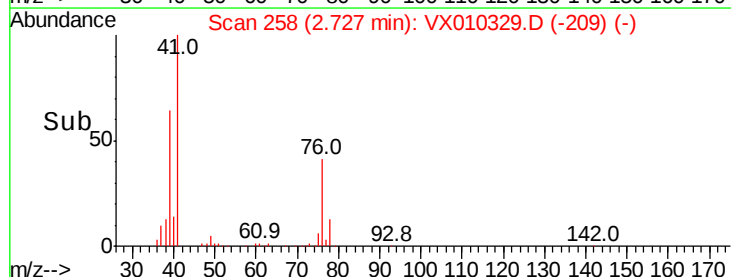
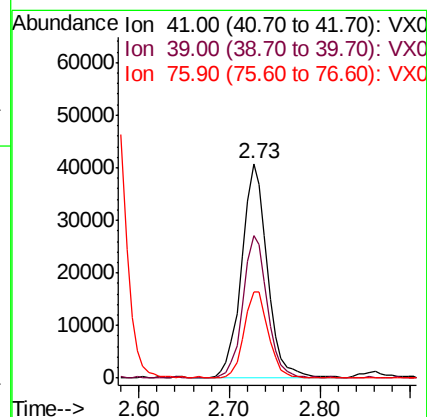
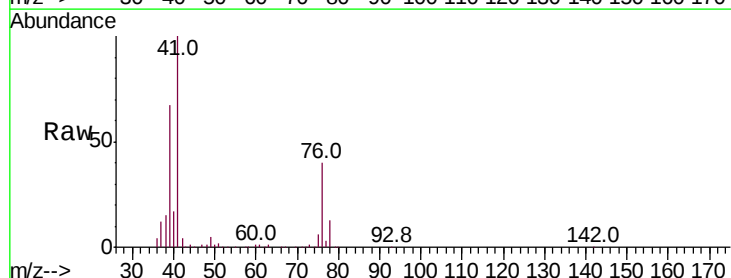
Tgt Ion: 41 Resp: 79710

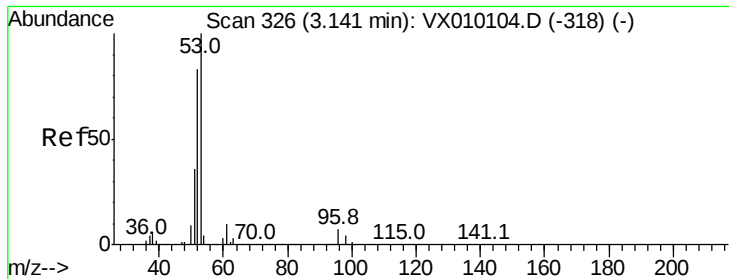
Ion Ratio Lower Upper

41 100

39 63.8 46.7 70.1

76 37.9 21.0 31.4#





#15

Acrylonitrile

Concen: 102.627 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX010329.D

Acq: 17 Jun 2019 17:32

Instrument :

MSVOA_X

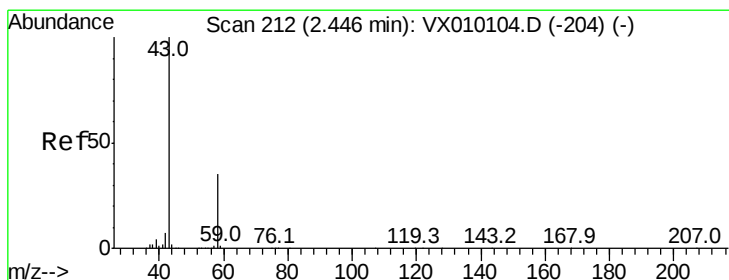
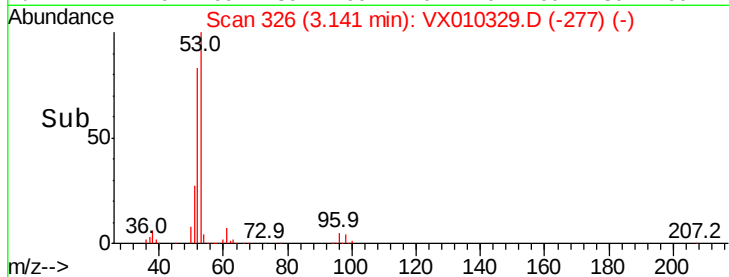
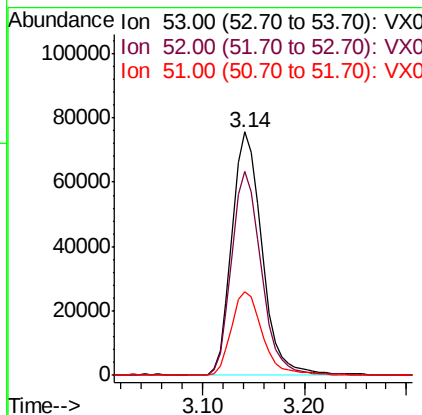
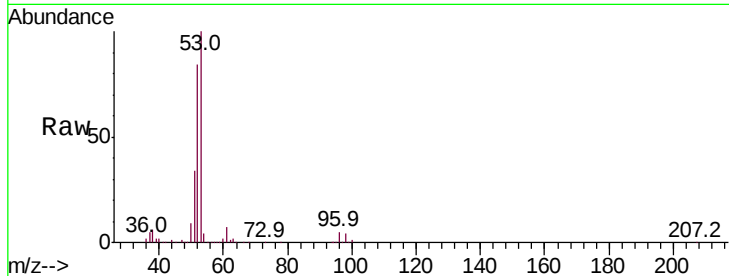
ClientSampleId :

VX0617MBS02

Tot Ion:	53	Resp:	155124
Ion Ratio	Lower	Upper	
53	100		
52	82.9	66.7	100.1
51	35.5	28.8	43.2

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#16

Acetone

Concen: 105.931 ug/l

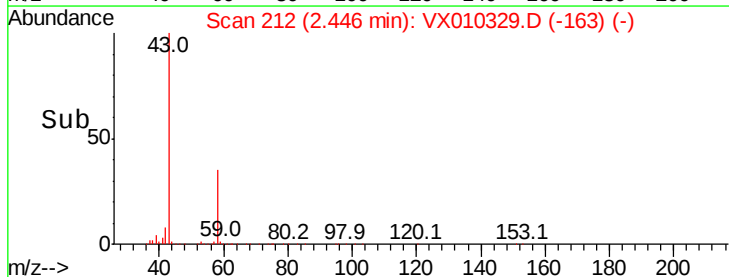
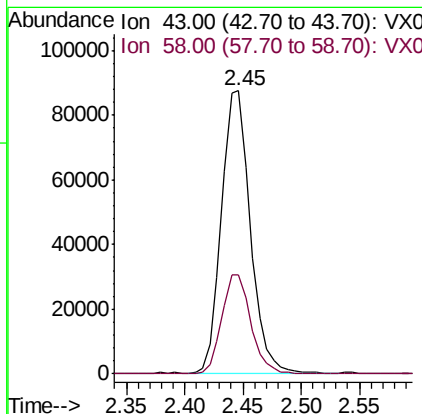
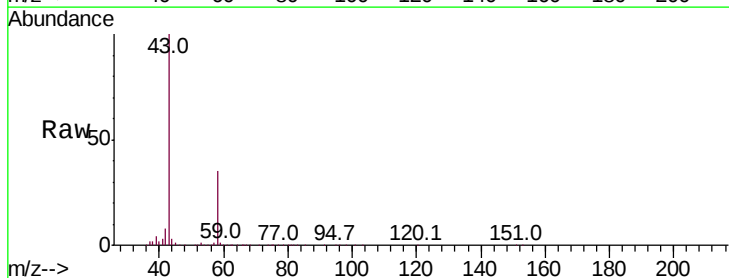
RT: 2.45 min Scan# 212

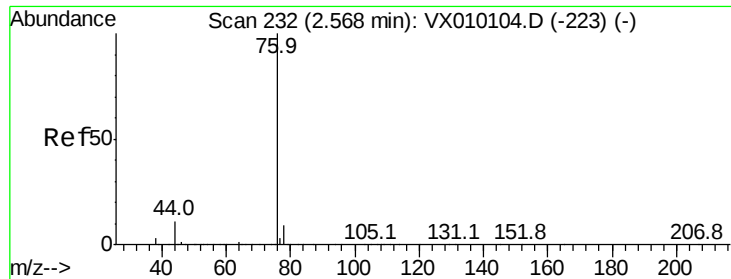
Delta R.T. -0.00 min

Lab File: VX010329.D

Acq: 17 Jun 2019 17:32

Tgt Ion:	43	Resp:	150403
Ion Ratio	Lower	Upper	
43	100		
58	34.8	23.2	34.8#





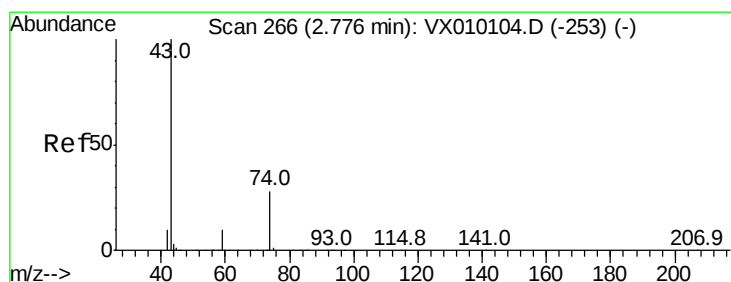
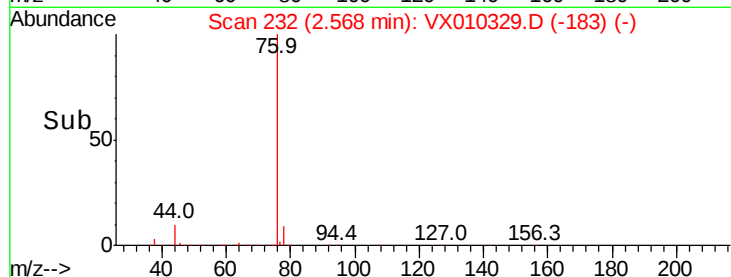
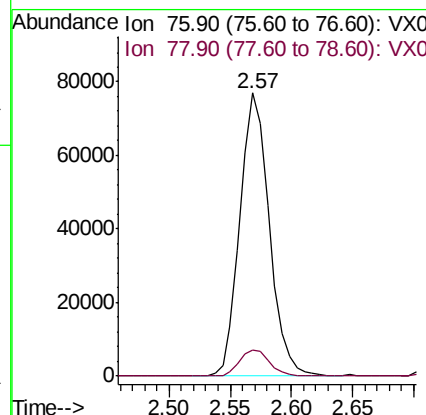
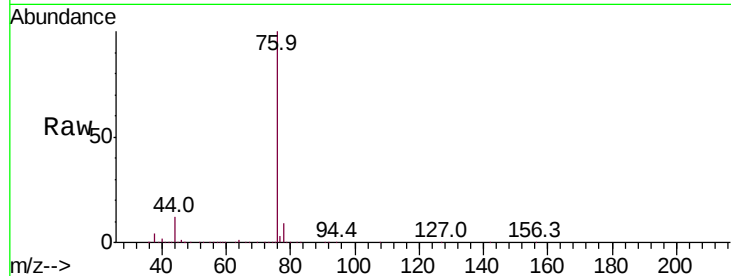
#17
Carbon Disulfide
Concen: 15.981 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX010329.D
Acq: 17 Jun 2019 17:32

Instrument :
MSVOA_X
ClientSampleId :
VX0617MBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.6

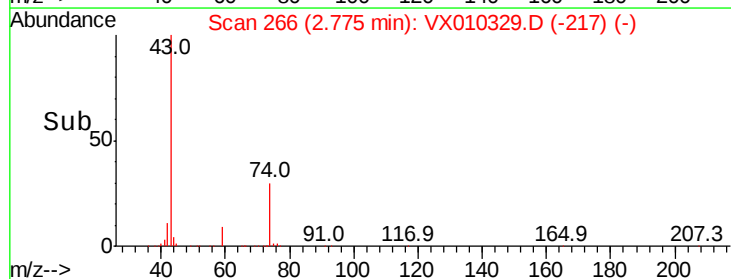
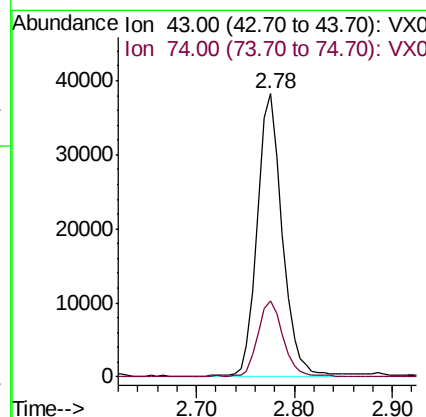
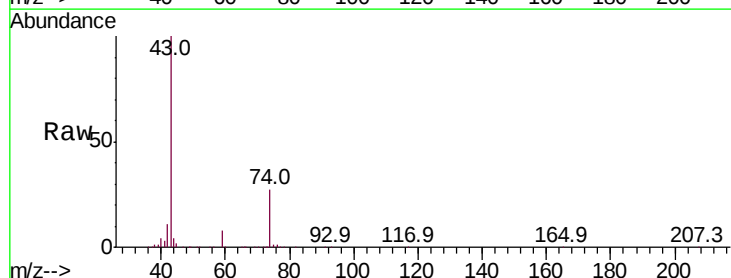
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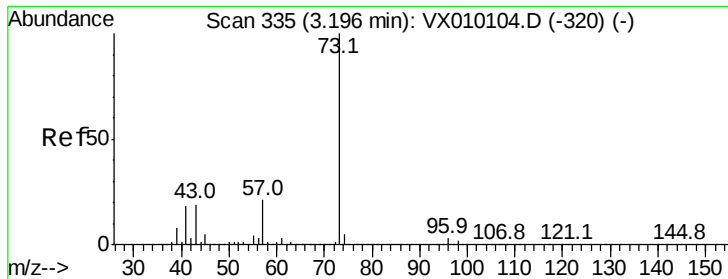
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#18
Methyl Acetate
Concen: 21.643 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX010329.D
Acq: 17 Jun 2019 17:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.2	15.8	23.6#





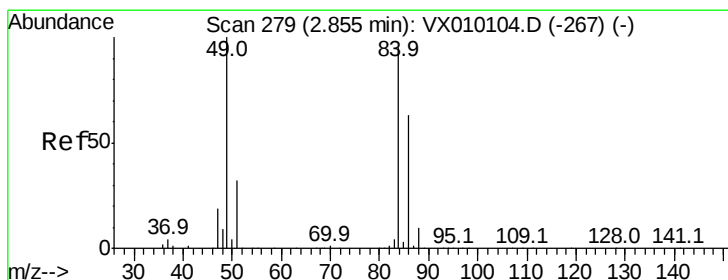
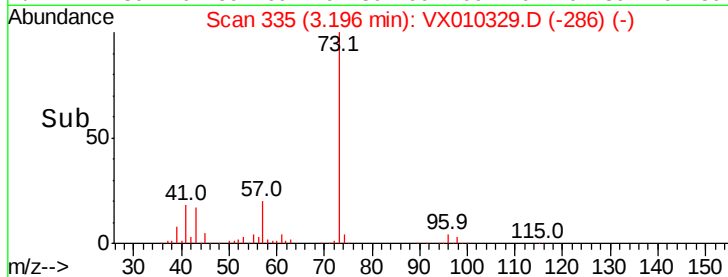
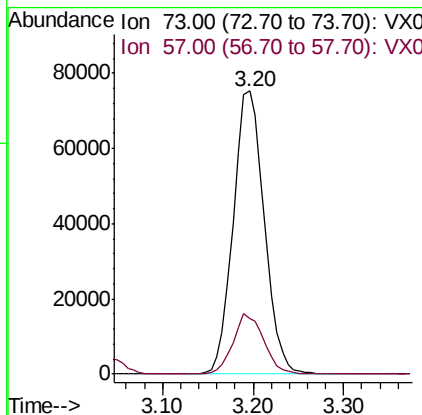
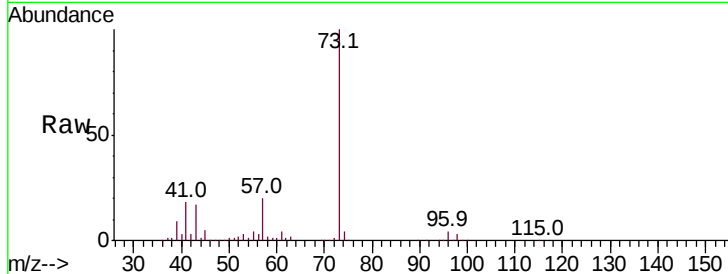
#19
Methvl tert-butvl Ether
Concen: 20.043 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX010329.D
Acq: 17 Jun 2019 17:32

Instrument :
MSVOA_X
ClientSampleId :
VX0617MBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.8	19.4	29.2

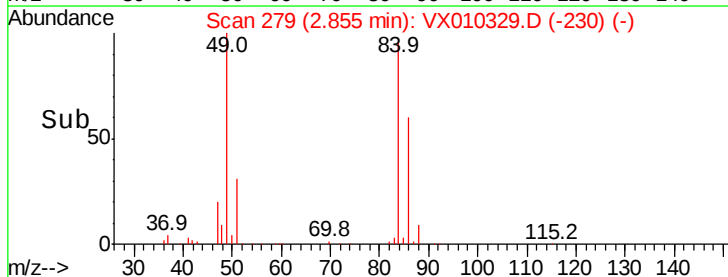
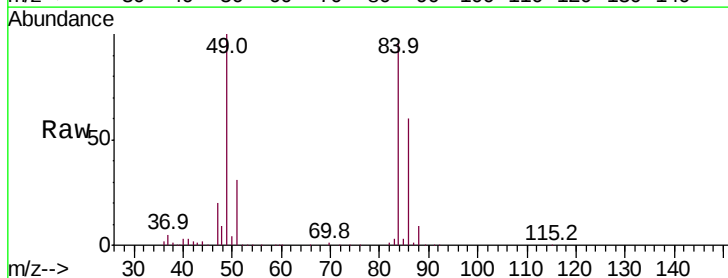
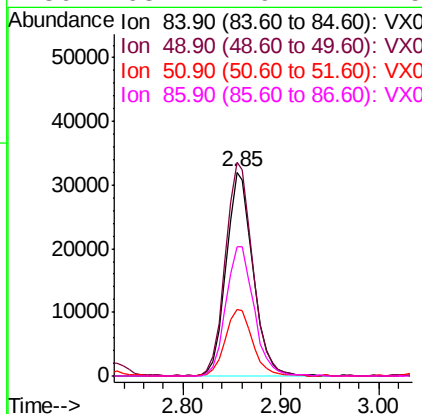
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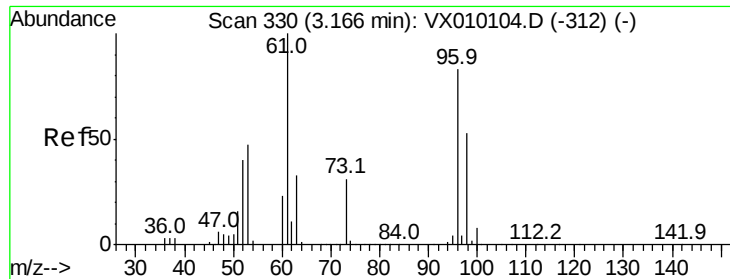
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#20
Methylene Chloride
Concen: 19.468 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010329.D
Acq: 17 Jun 2019 17:32

Tgt Ion	Ratio	Lower	Upper
84	100		
49	104.4	115.8	173.6#
51	32.4	34.4	51.6#
86	63.1	49.7	74.5





#21

trans-1,2-Dichloroethene

Concen: 18.745 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX010329.D

Acq: 17 Jun 2019 17:32

Instrument :

MSVOA_X

ClientSampleId :

VX0617MBS02

Tot Ion: 96 Resp: 57624

Ion Ratio Lower Upper

96 100

61 115.6 125.7 188.5#

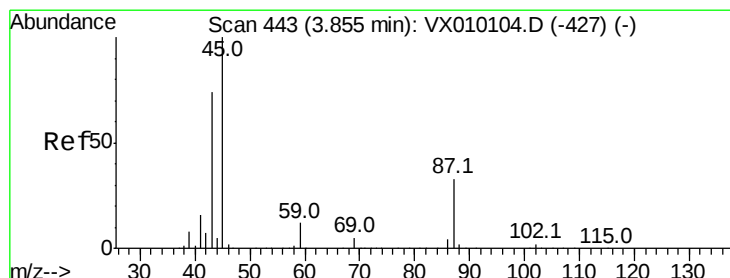
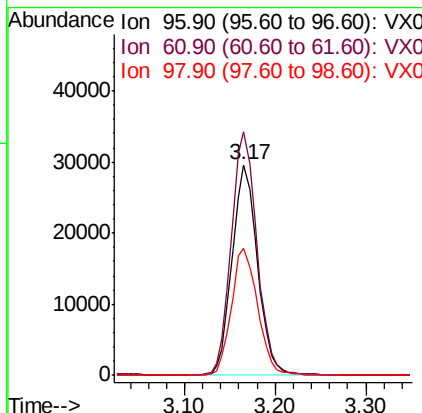
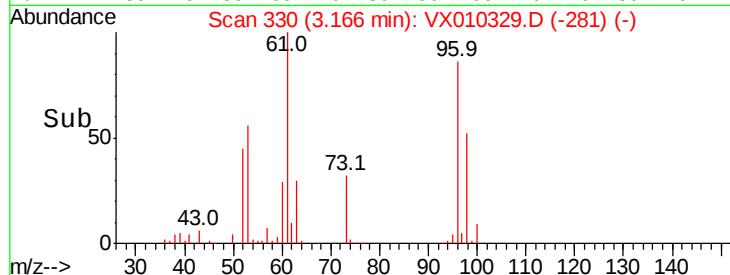
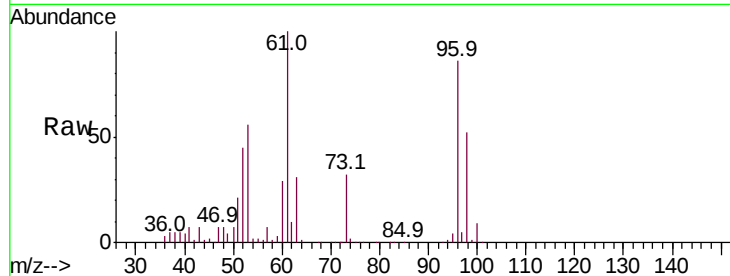
98 60.2 49.0 73.6

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#22

Diisopropyl ether

Concen: 20.399 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX010329.D

Acq: 17 Jun 2019 17:32

Tgt Ion: 45 Resp: 163538

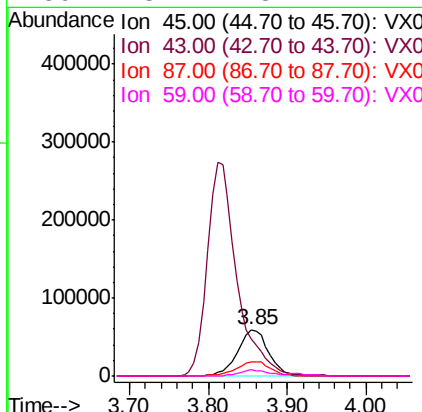
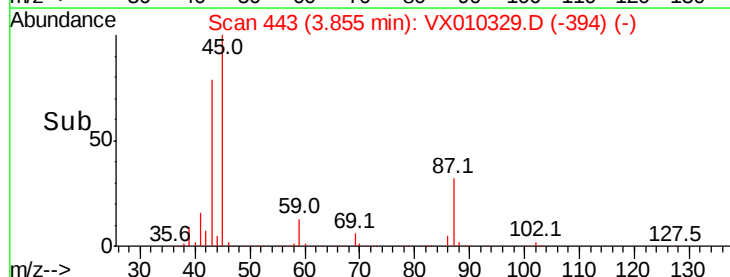
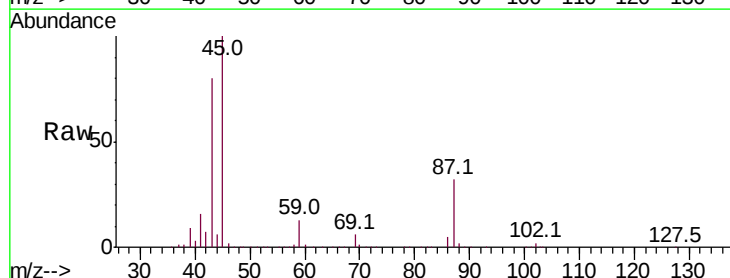
Ion Ratio Lower Upper

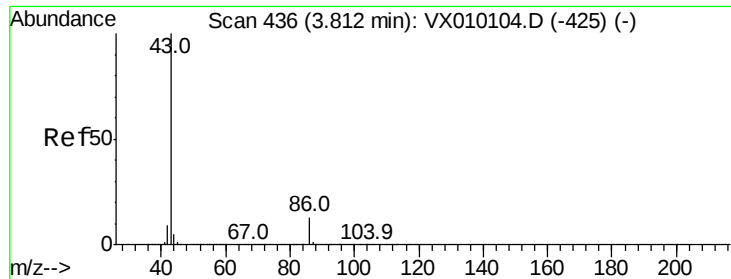
45 100

43 78.1 65.0 97.4

87 31.9 17.3 25.9#

59 13.1 8.1 12.1#





#23

Vinyl Acetate

Concen: 100.169 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX010329.D

Acq: 17 Jun 2019 17:32

Instrument :

MSVOA_X

ClientSampleId :

VX0617MBS02

Tot Ion: 43 Resp: 716395

Ion Ratio Lower Upper

43 100

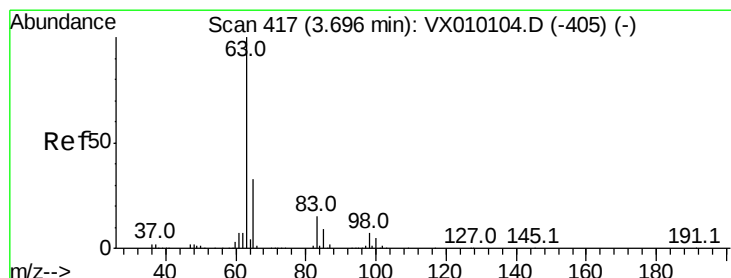
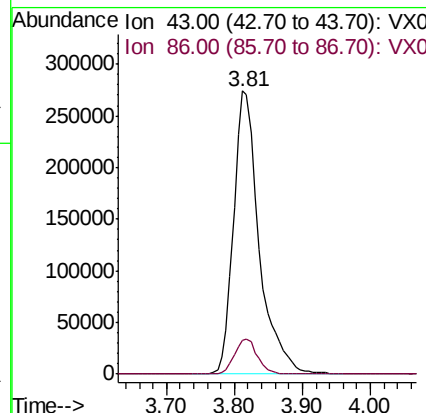
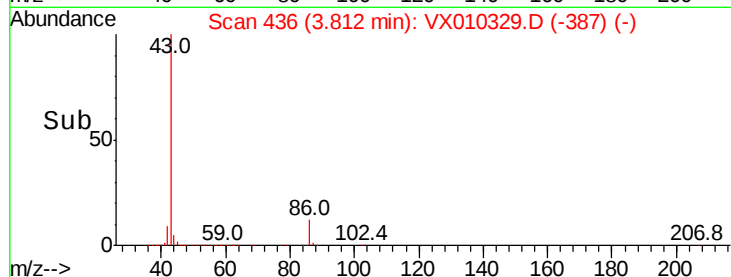
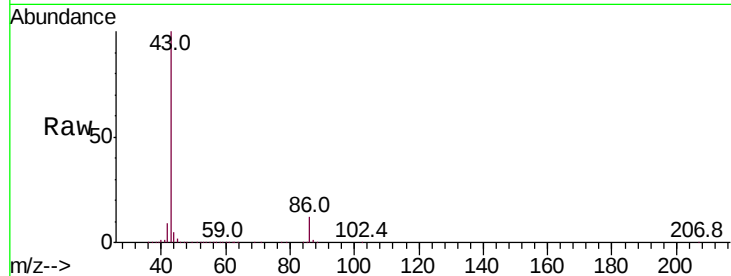
86 12.0 6.5 9.7#

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#24

1,1-Dichloroethane

Concen: 19.302 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010329.D

Acq: 17 Jun 2019 17:32

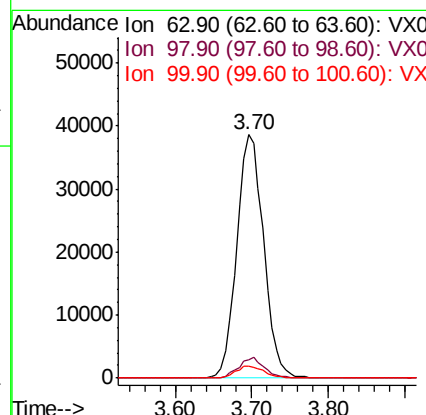
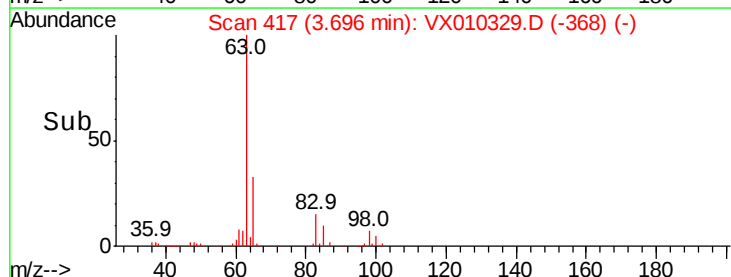
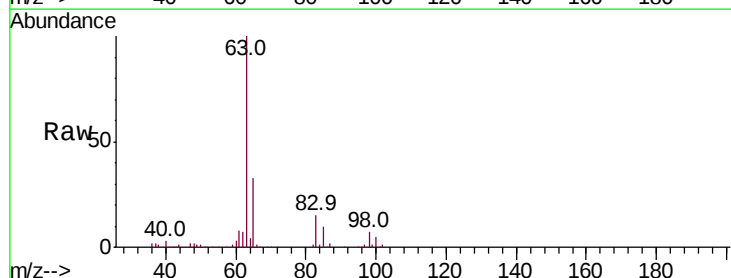
Tgt Ion: 63 Resp: 93954

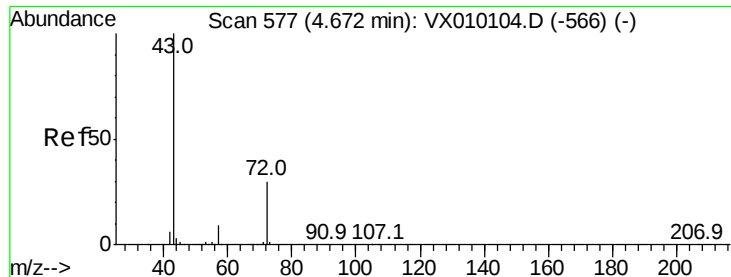
Ion Ratio Lower Upper

63 100

98 7.4 2.9 8.8

100 4.9 1.8 5.4





#25

2-Butanone

Concen: 106.650 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX010329.D

Acq: 17 Jun 2019 17:32

Instrument :

MSVOA_X

ClientSampleId :

VX0617MBS02

Tot Ion: 43 Resp: 225485

Ion Ratio Lower Upper

43 100

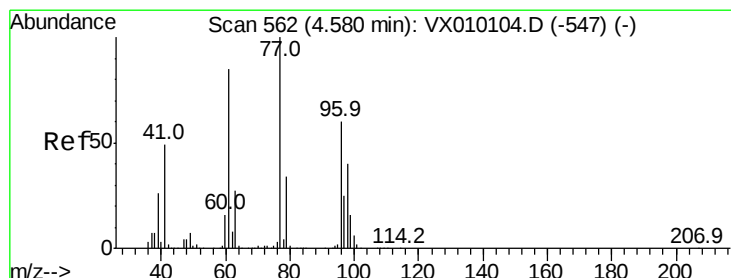
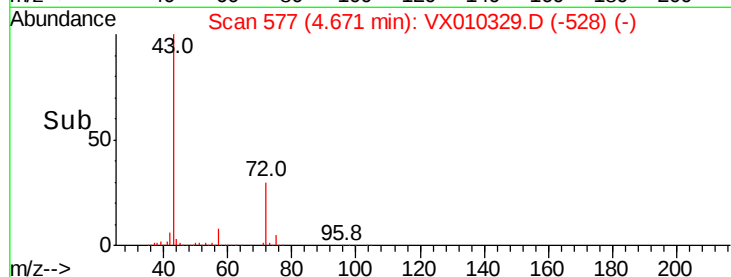
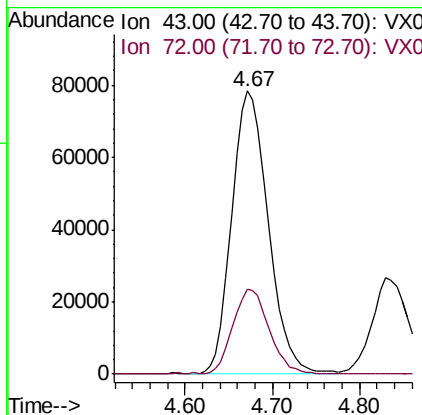
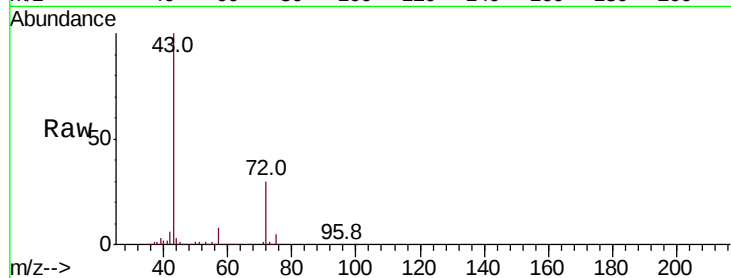
72 29.8 17.5 26.3#

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#26

2,2-Dichloropropane

Concen: 19.093 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX010329.D

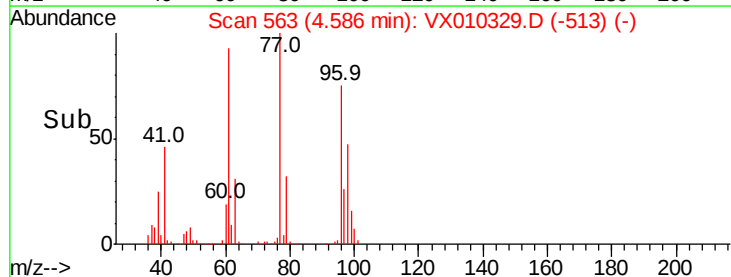
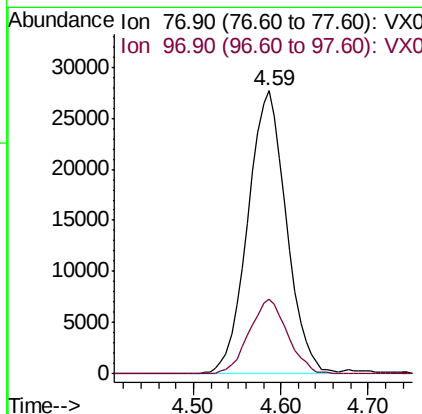
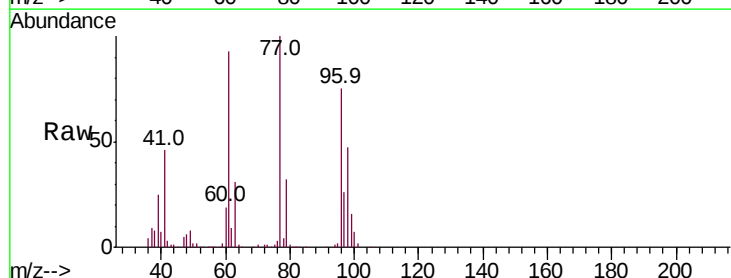
Acq: 17 Jun 2019 17:32

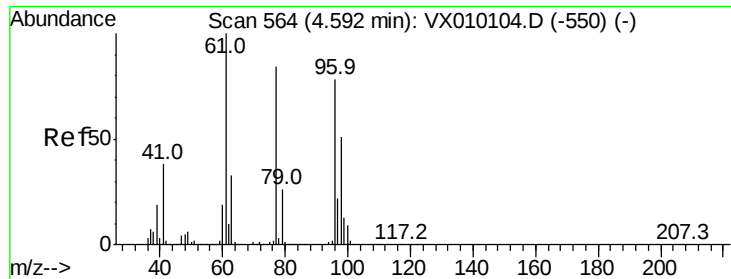
Tgt Ion: 77 Resp: 84782

Ion Ratio Lower Upper

77 100

97 26.3 11.4 34.2





#27

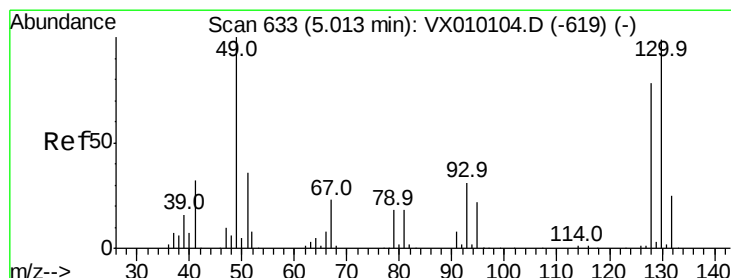
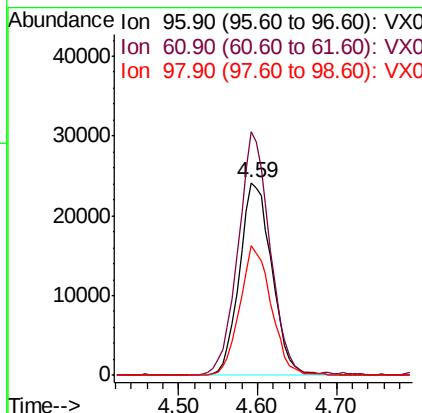
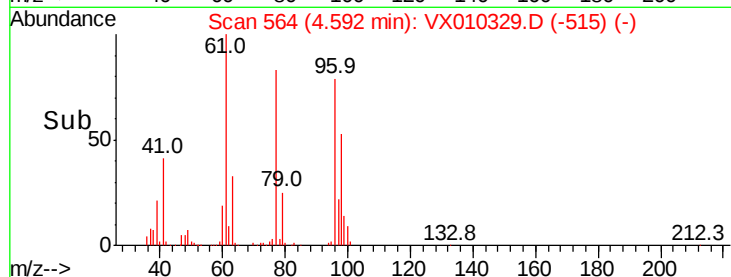
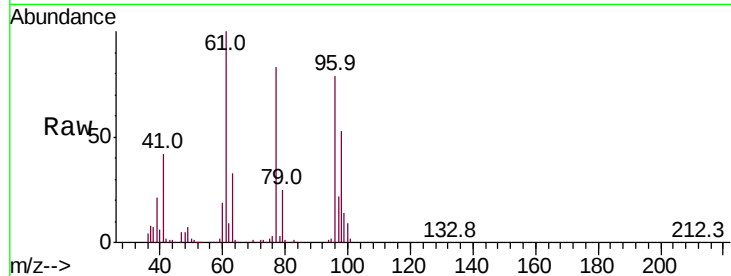
cis-1,2-Dichloroethene
Concen: 20.149 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX010329.D
Acq: 17 Jun 2019 17:32

Instrument :
MSVOA_X
ClientSampleId :
VX0617MBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	124.5	0.0	334.0
98	65.5	0.0	131.6

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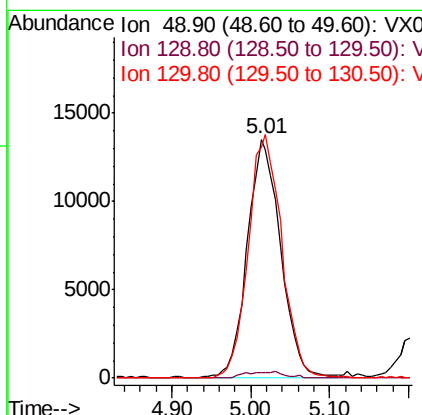
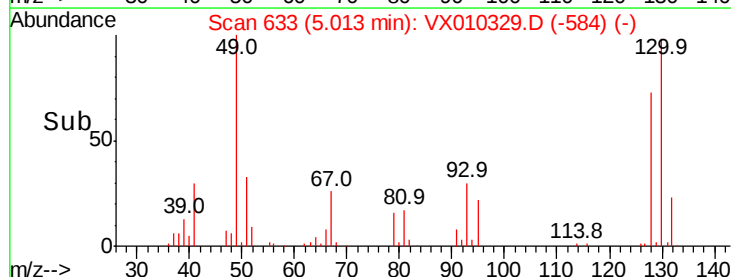
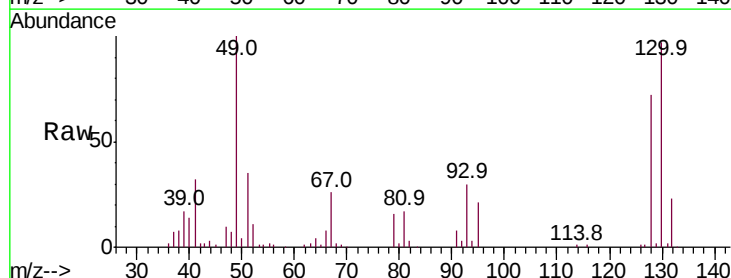
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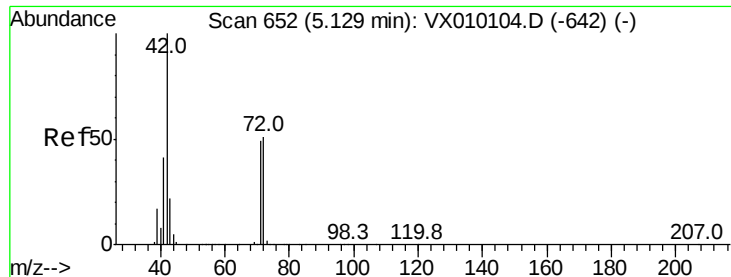


#28

Bromochloromethane
Concen: 18.231 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.00 min
Lab File: VX010329.D
Acq: 17 Jun 2019 17:32

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	3.4
130	102.4	49.4	74.2#





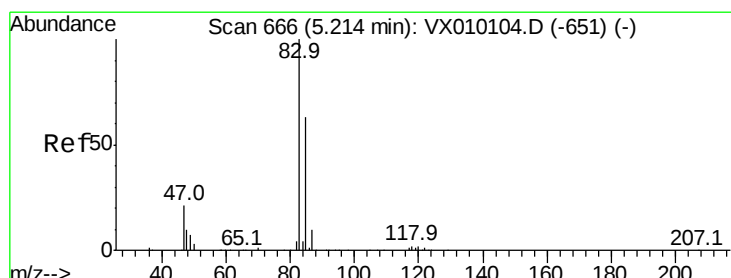
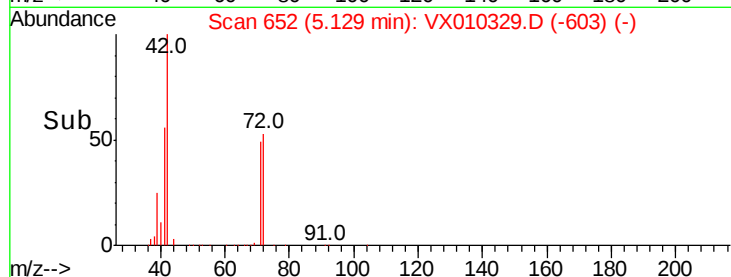
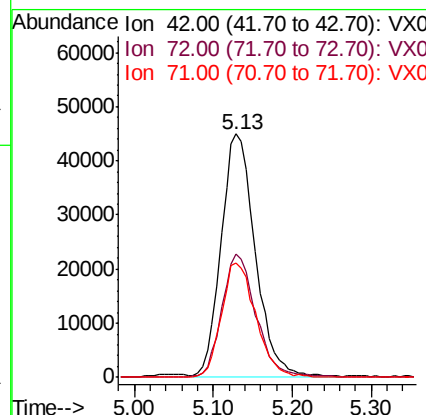
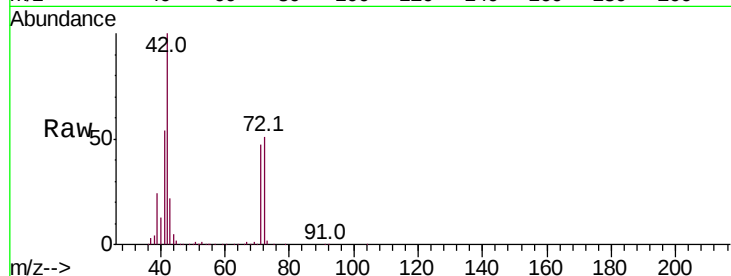
#29
Tetrahydrofuran
Concen: 101.284 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX010329.D
Acq: 17 Jun 2019 17:32

Instrument :
MSVOA_X
ClientSampleId :
VX0617MBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.5	29.2	43.8#
71	47.9	27.6	41.4#

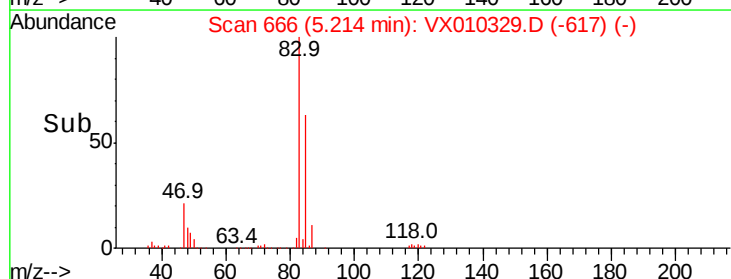
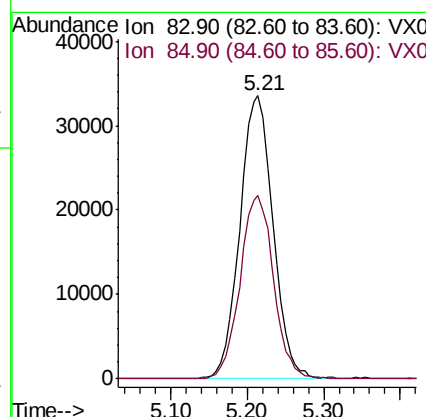
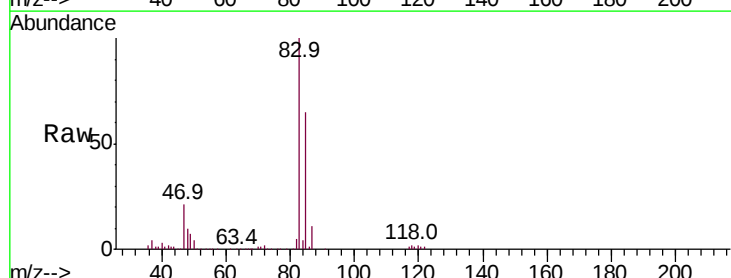
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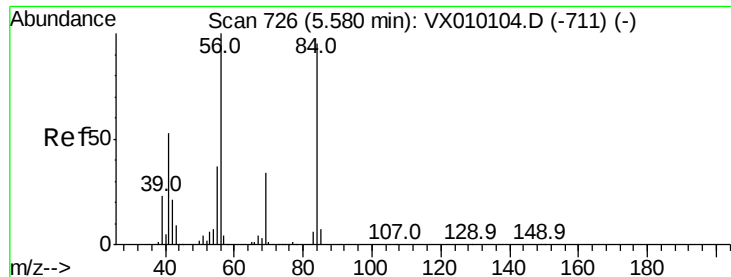
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#30
Chloroform
Concen: 19.977 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX010329.D
Acq: 17 Jun 2019 17:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.6	78.8





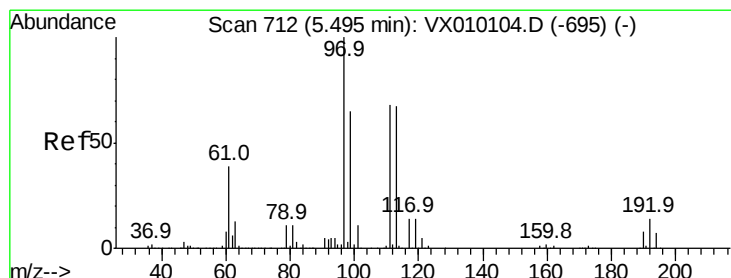
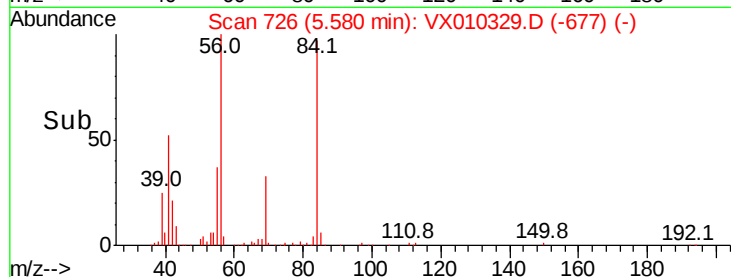
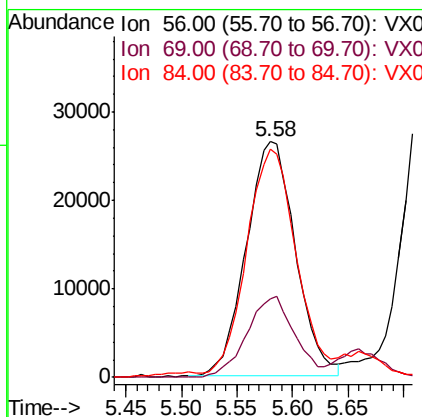
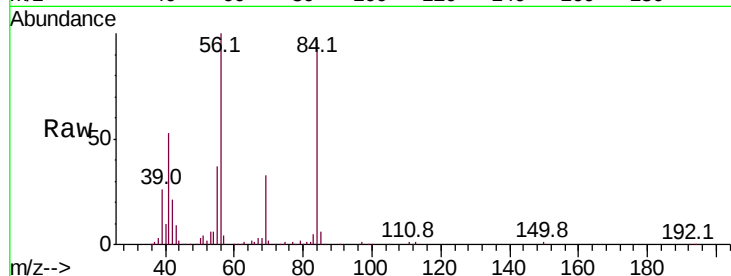
#31
Cyclohexane
Concen: 18.624 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX010329.D
Acq: 17 Jun 2019 17:32

Instrument :
MSVOA_X
ClientSampleId :
VX0617MBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.4	21.6	32.4#
84	95.3	56.8	85.2#

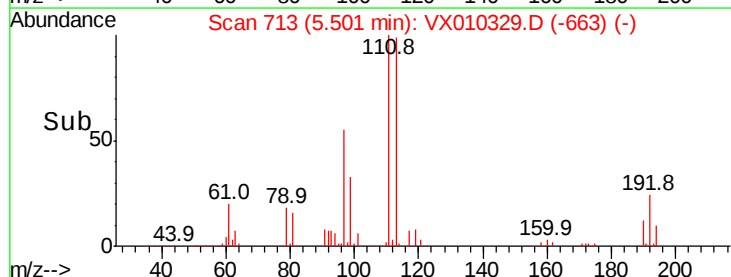
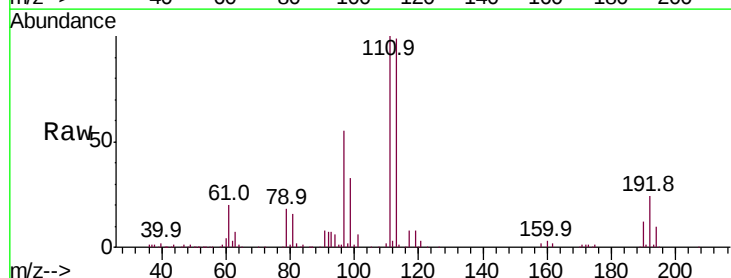
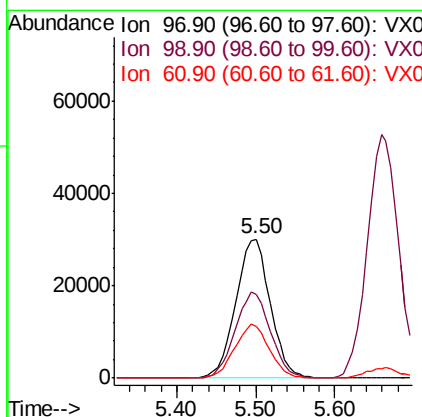
Manual Integrations
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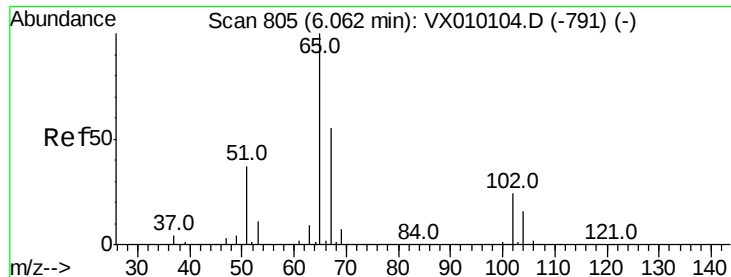
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#32
1,1,1-Trichloroethane
Concen: 19.257 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX010329.D
Acq: 17 Jun 2019 17:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.0	76.4
61	39.0	38.7	58.1





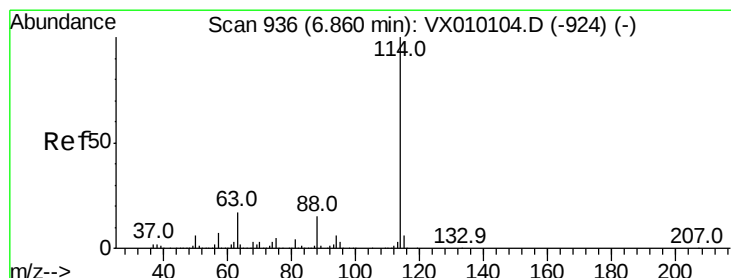
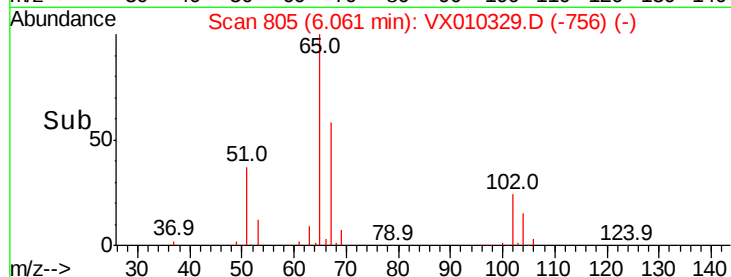
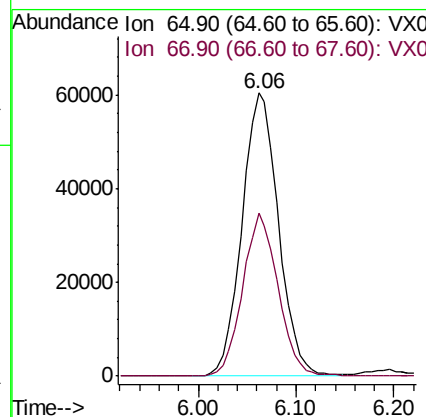
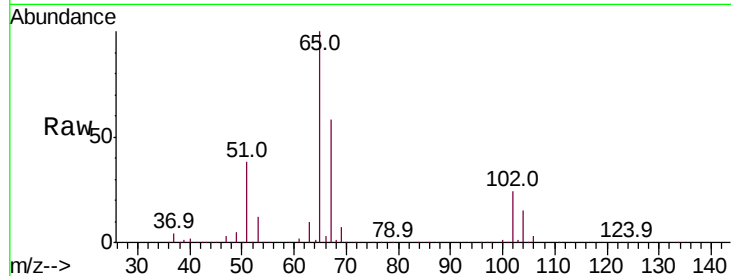
#33
 1,2-Dichloroethane-d4
 Concen: 51.726 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010329.D
 Acq: 17 Jun 2019 17:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0617MBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.8	0.0	108.4

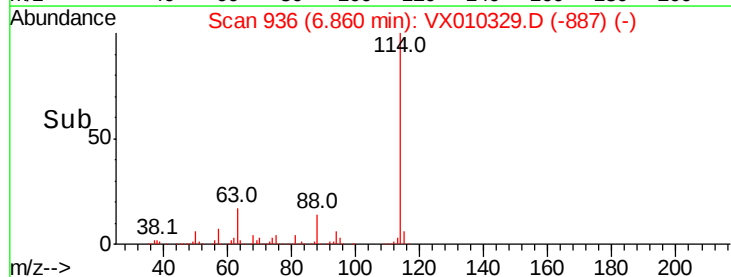
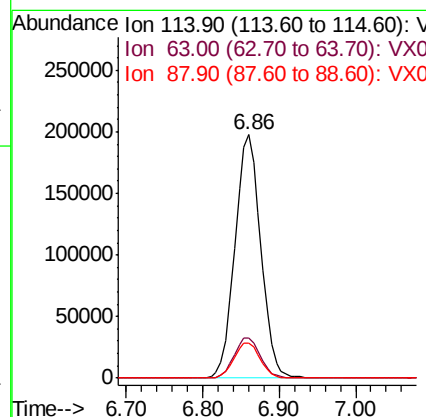
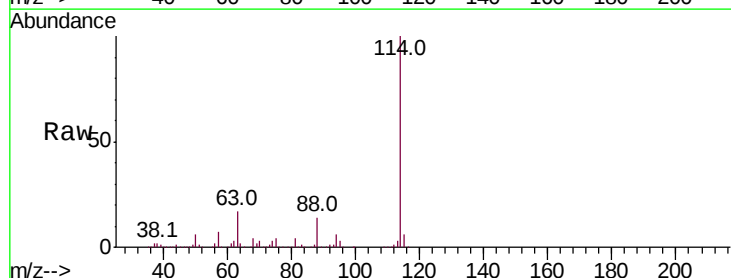
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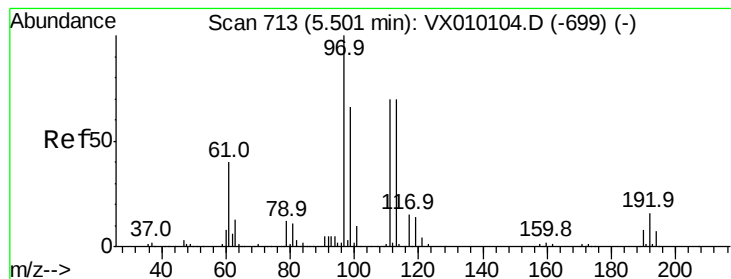
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010329.D
 Acq: 17 Jun 2019 17:32

Tgt Ion	Ratio	Lower	Upper
114	100		
63	16.6	0.0	47.4
88	14.3	0.0	33.0





#35

Dibromofluoromethane

Concen: 54.842 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010329.D

Acq: 17 Jun 2019 17:32

Instrument :

MSVOA_X

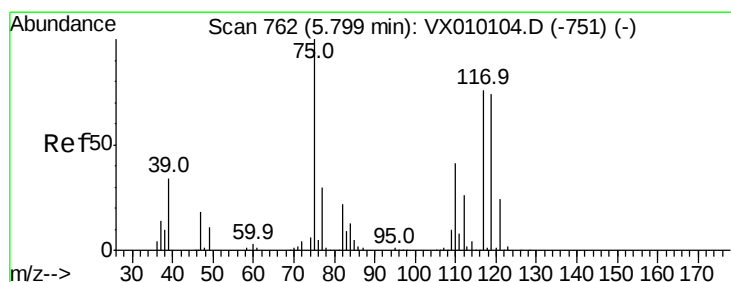
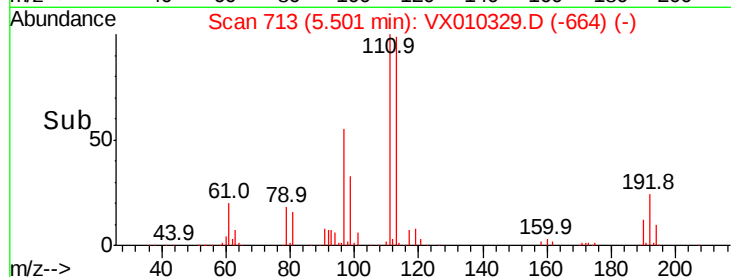
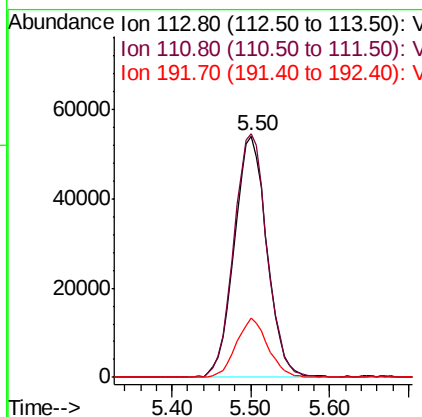
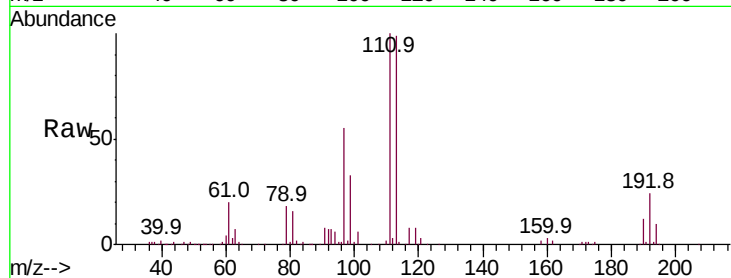
ClientSampleId :

VX0617MBS02

Tot Ion:	113	Resp:	155634
Ion Ratio	Lower	Upper	
113	100		
111	102.5	82.2	123.2
192	23.6	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.146 ug/l

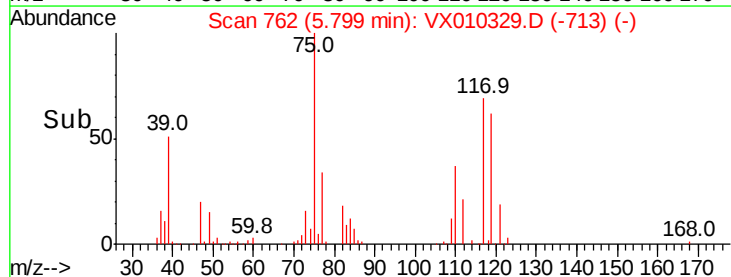
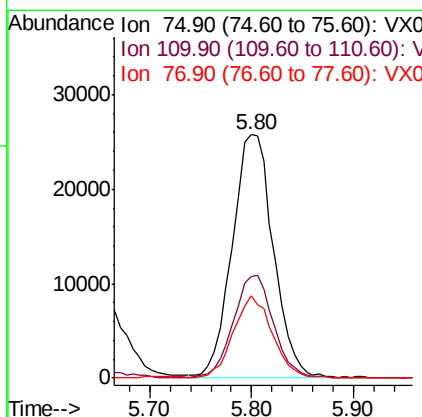
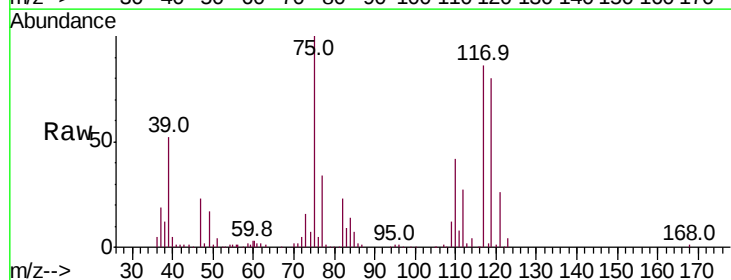
RT: 5.80 min Scan# 762

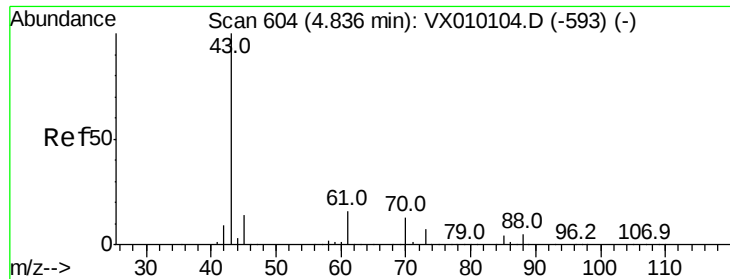
Delta R.T. -0.00 min

Lab File: VX010329.D

Acq: 17 Jun 2019 17:32

Tgt Ion:	75	Resp:	71867
Ion Ratio	Lower	Upper	
75	100		
110	41.7	16.7	50.1
77	31.7	25.0	37.4





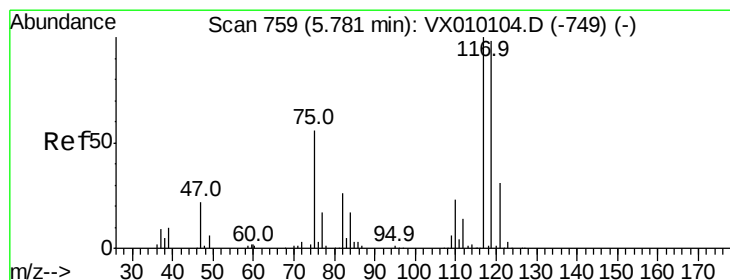
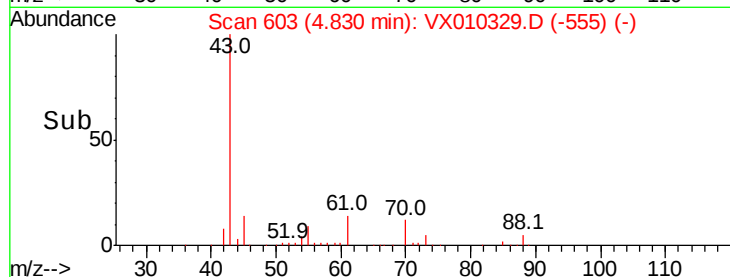
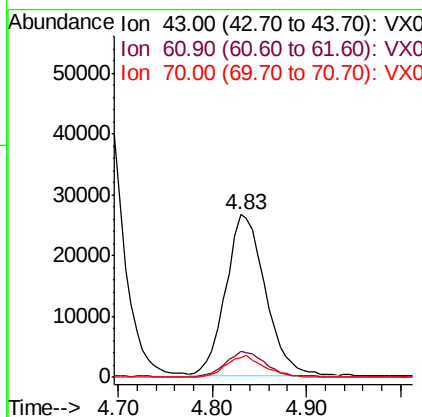
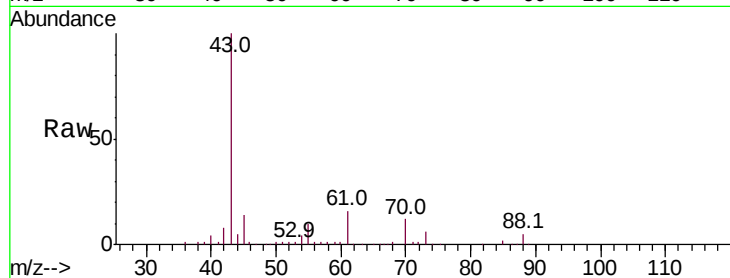
#37
Ethyl Acetate
Concen: 19.704 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX010329.D
Acq: 17 Jun 2019 17:32

Instrument :
MSVOA_X
ClientSampleID :
VX0617MBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.8	10.2	15.2#
70	13.3	7.4	11.2#

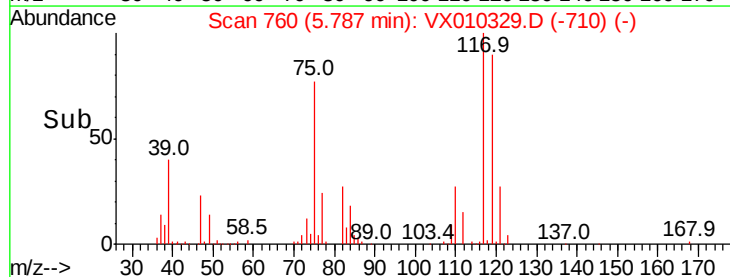
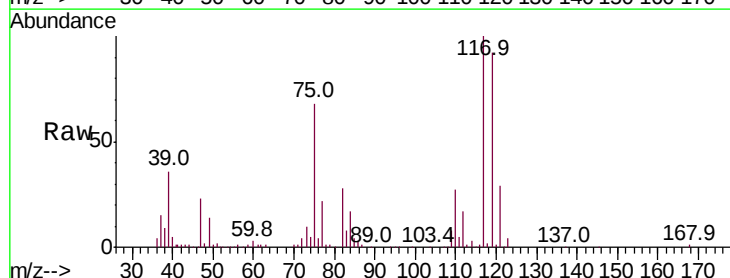
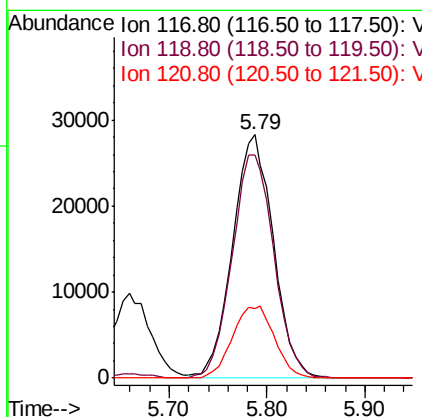
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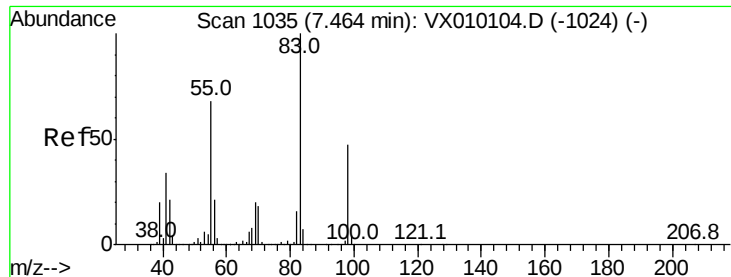
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#38
Carbon Tetrachloride
Concen: 19.211 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX010329.D
Acq: 17 Jun 2019 17:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.7	77.3	115.9
121	28.6	25.4	38.0





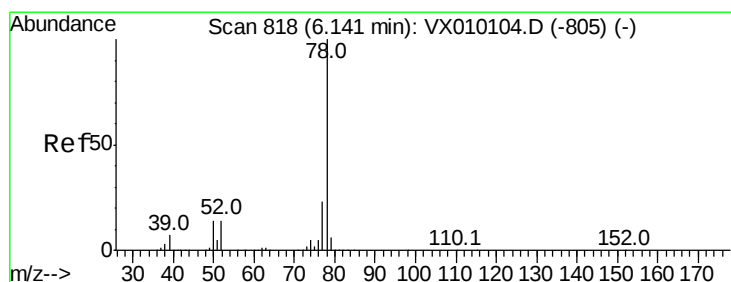
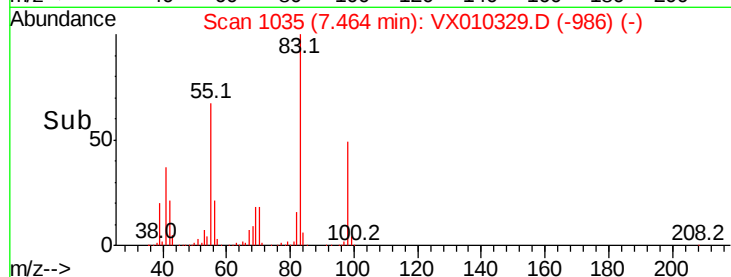
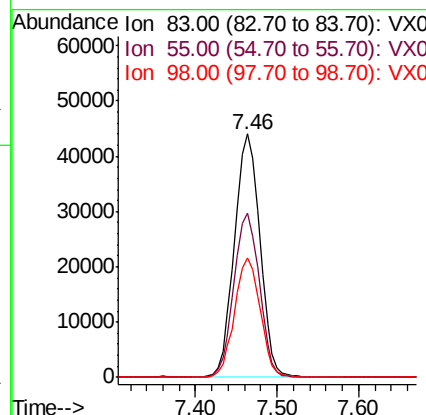
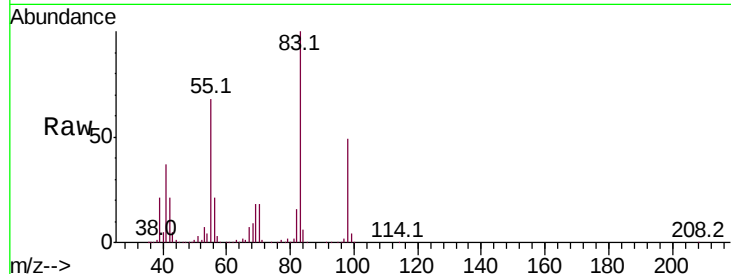
#39
Methvlcvclohexane
Concen: 18.589 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010329.D
Acq: 17 Jun 2019 17:32

Instrument :
MSVOA_X
ClientSampleId :
VX0617MBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.4	69.9	104.9#
98	49.1	35.1	52.7

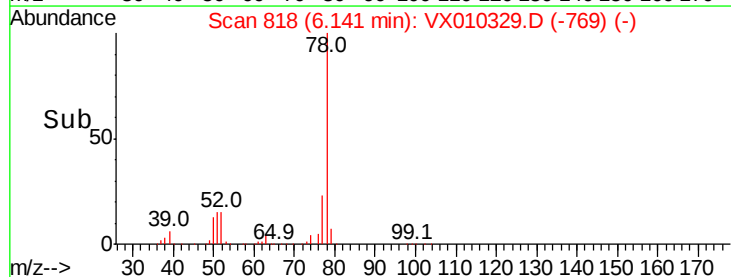
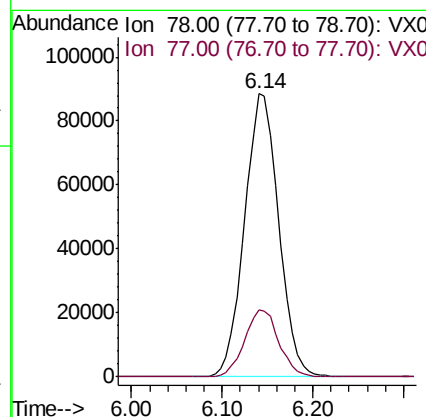
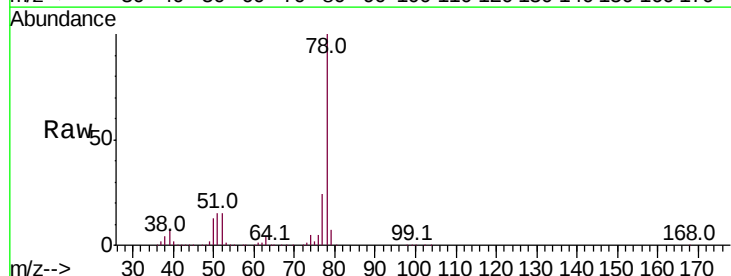
Manual Integrations
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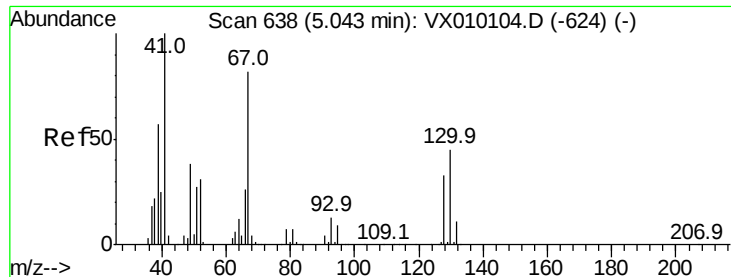
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#40
Benzene
Concen: 19.917 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX010329.D
Acq: 17 Jun 2019 17:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.2	28.8





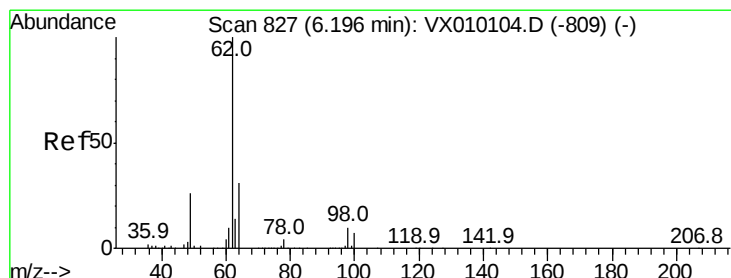
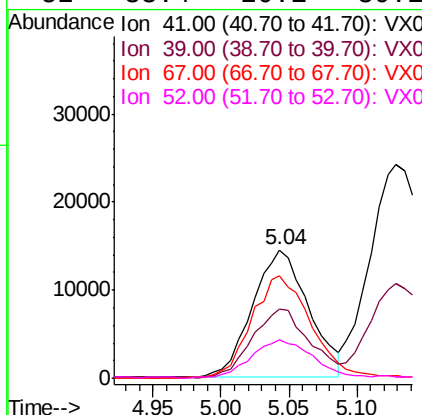
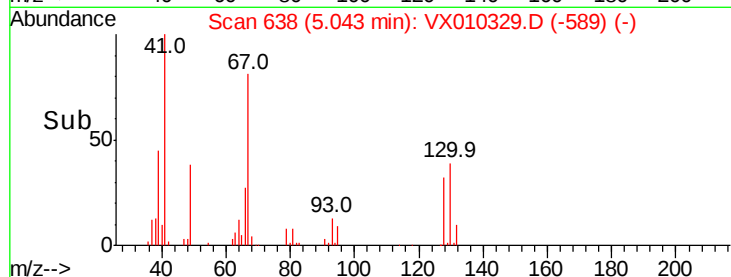
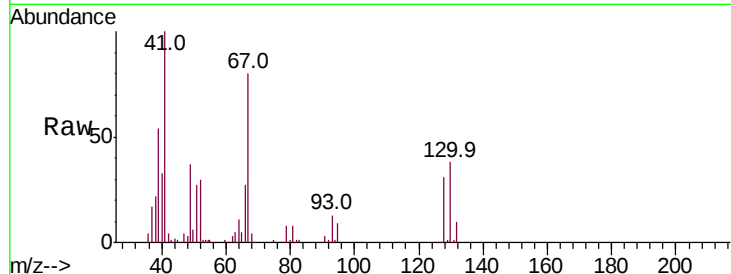
#41
Methacrylonitrile
Concen: 19.736 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX010329.D
Acq: 17 Jun 2019 17:32

Instrument :
MSVOA_X
ClientSampleId :
VX0617MBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	41.00	100	41695		
39	39.00	56.0		42.2	63.4
67	67.00	86.2		48.9	73.3
52	52.00	33.4		20.1	30.1

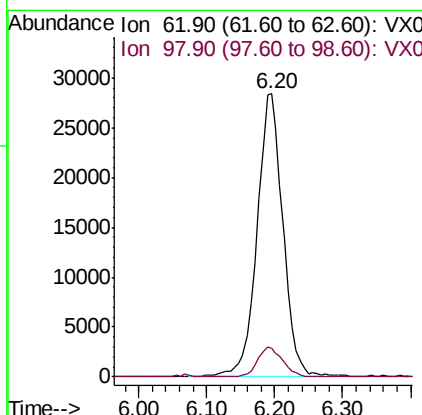
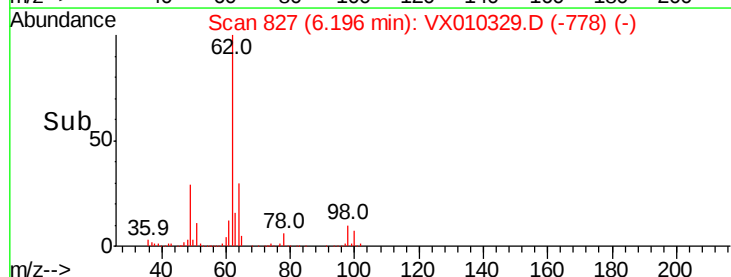
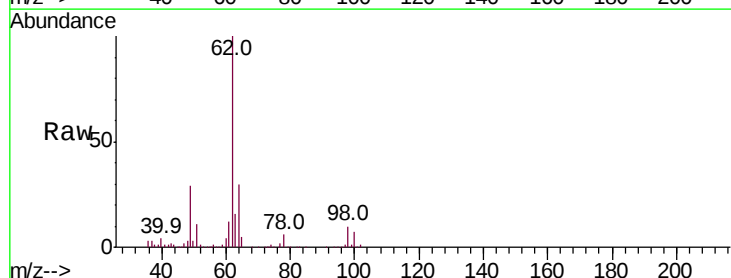
Manual Integrations
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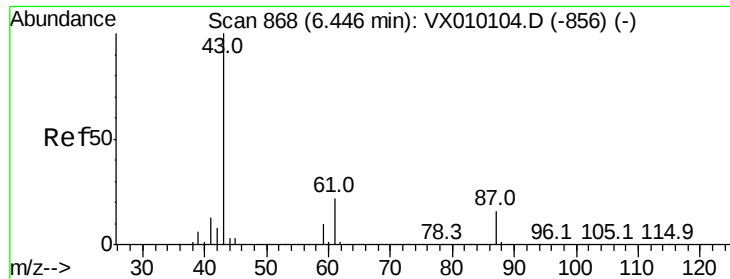
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#42
1,2-Dichloroethane
Concen: 20.436 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX010329.D
Acq: 17 Jun 2019 17:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	62.00	100	75723		
98	98.00	10.4		0.0	17.2





#43

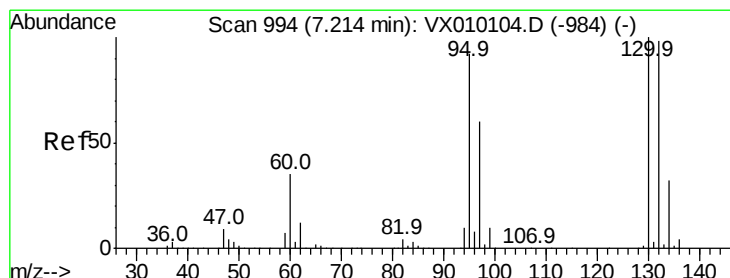
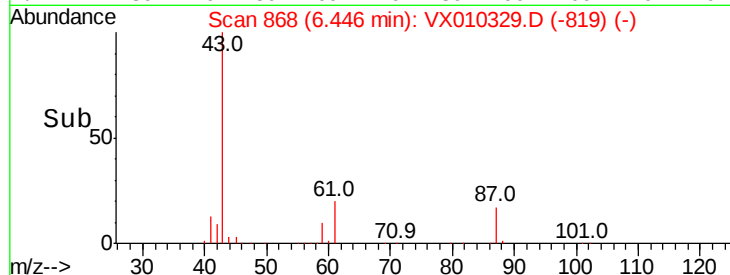
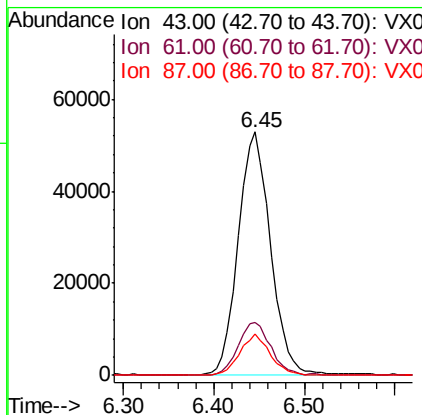
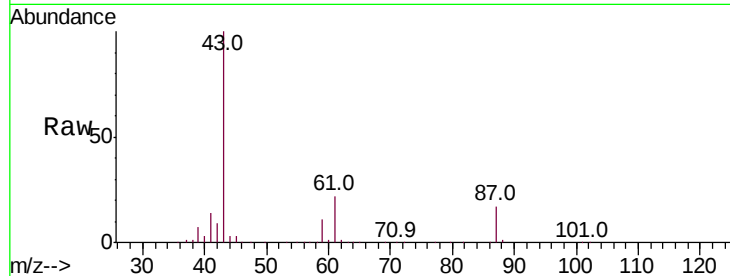
Isopropyl Acetate
 Concen: 19.917 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX010329.D
 Acq: 17 Jun 2019 17:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0617MBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.3	14.6	21.8#
87	16.1	8.7	13.1#

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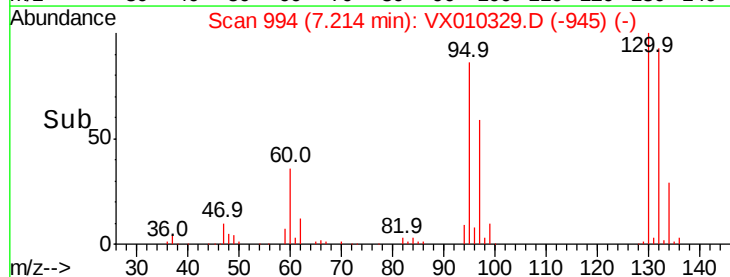
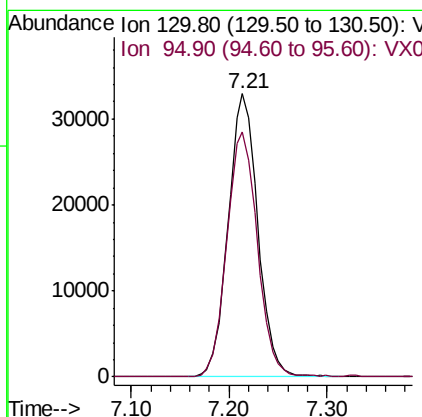
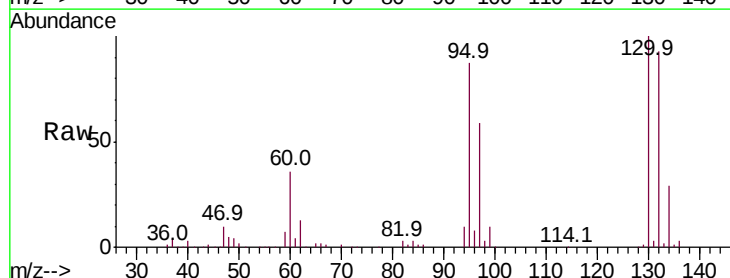
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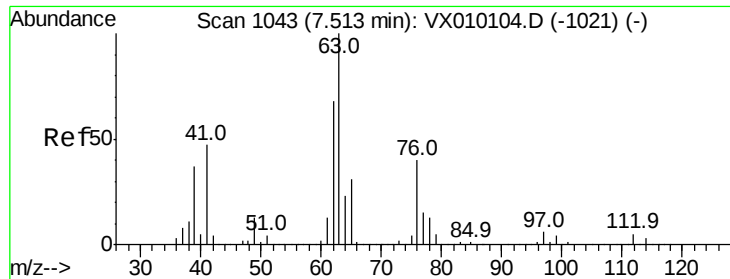


#44

Trichloroethene
 Concen: 19.769 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX010329.D
 Acq: 17 Jun 2019 17:32

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.5	0.0	207.4





#45

1,2-Dichloropropane

Concen: 20.735 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX010329.D

Acq: 17 Jun 2019 17:32

Instrument :

MSVOA_X

ClientSampleId :

VX0617MBS02

Tot Ion: 63 Resp: 60235

Ion Ratio Lower Upper

63 100

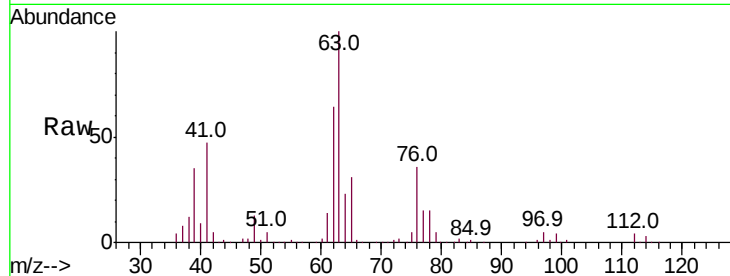
65 30.6 25.7 38.5

Manual Integrations

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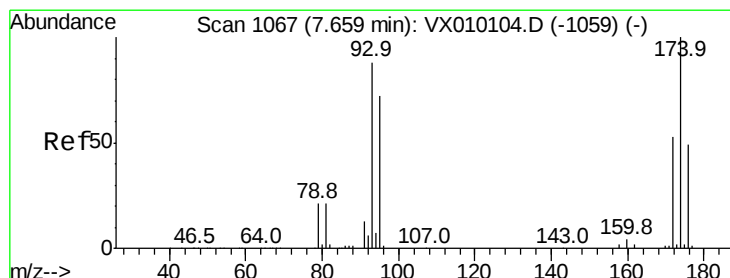
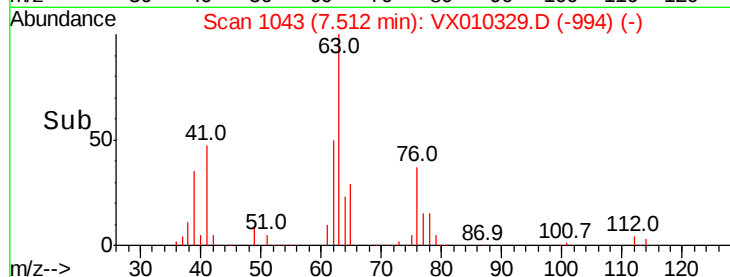
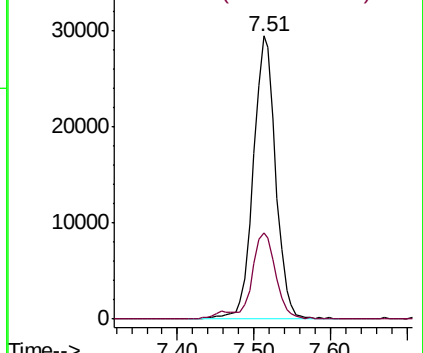
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.175 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX010329.D

Acq: 17 Jun 2019 17:32

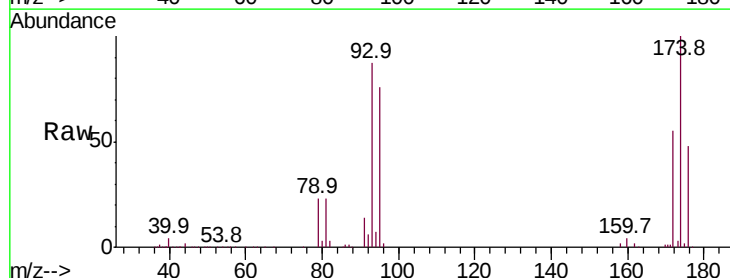
Tgt Ion: 93 Resp: 41733

Ion Ratio Lower Upper

93 100

95 85.7 66.8 100.2

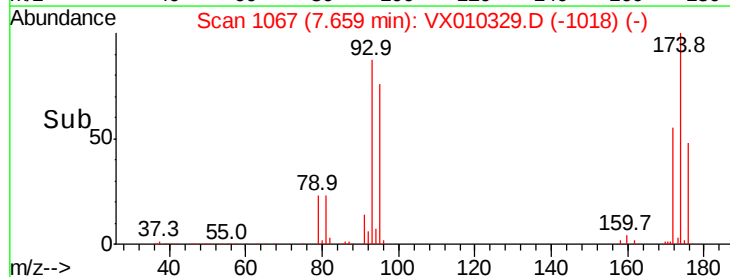
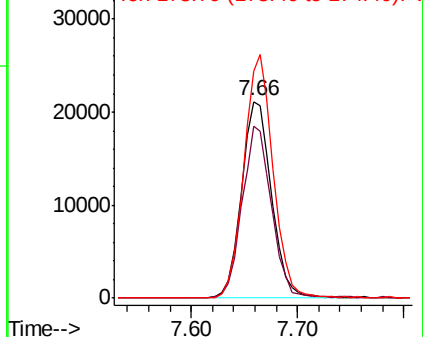
174 120.7 81.9 122.9

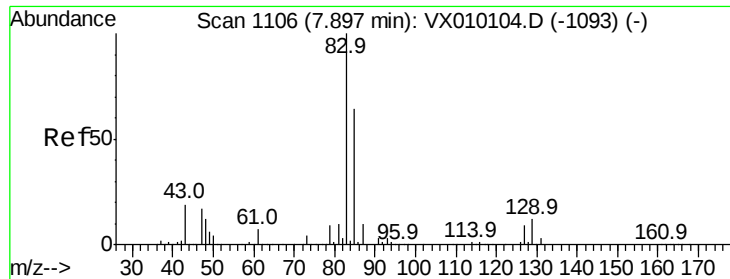


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.292 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX010329.D

Acq: 17 Jun 2019 17:32

Instrument :

MSVOA_X

ClientSampleId :

VX0617MBS02

Tot Ion: 83 Resp: 78458

Ion Ratio Lower Upper

83 100

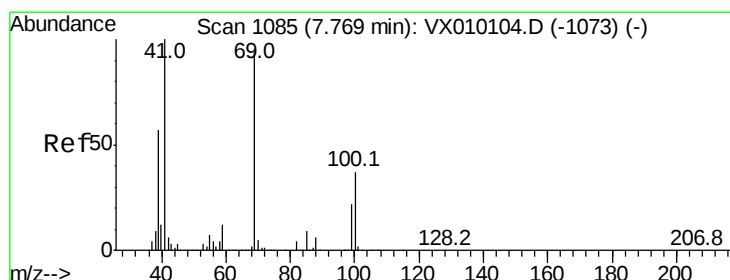
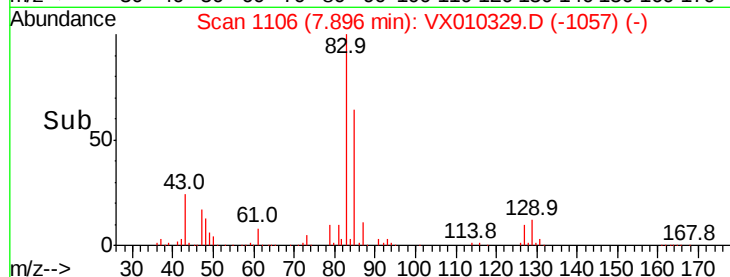
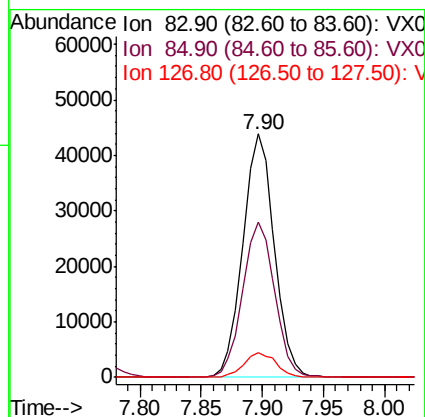
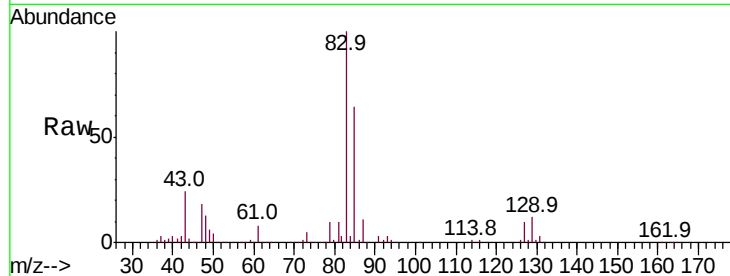
85 63.8 51.4 77.2

127 9.9 6.4 9.6#

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#48

Methyl methacrylate

Concen: 19.900 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX010329.D

Acq: 17 Jun 2019 17:32

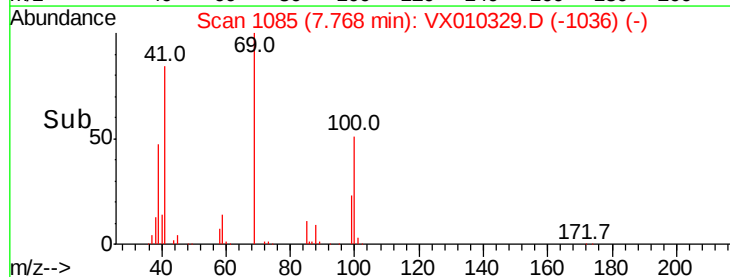
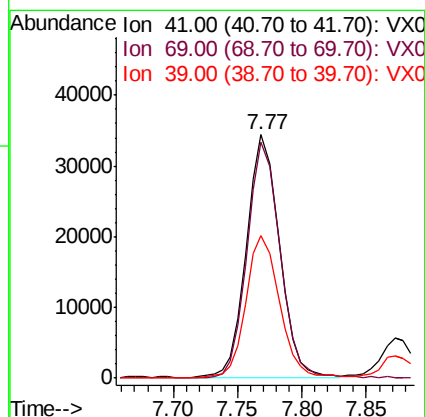
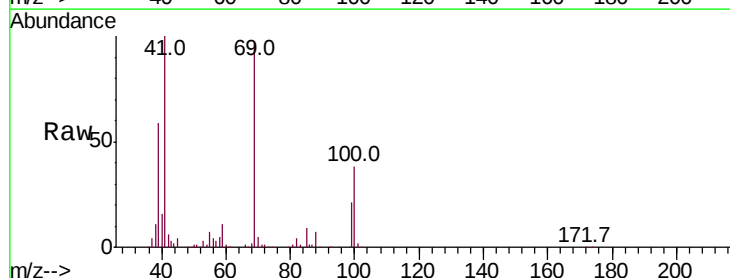
Tgt Ion: 41 Resp: 60770

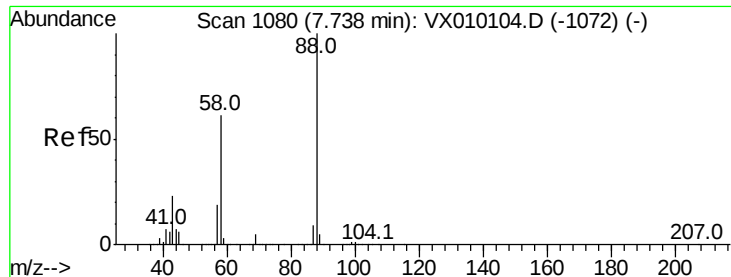
Ion Ratio Lower Upper

41 100

69 97.5 56.4 84.6#

39 59.1 40.6 60.8





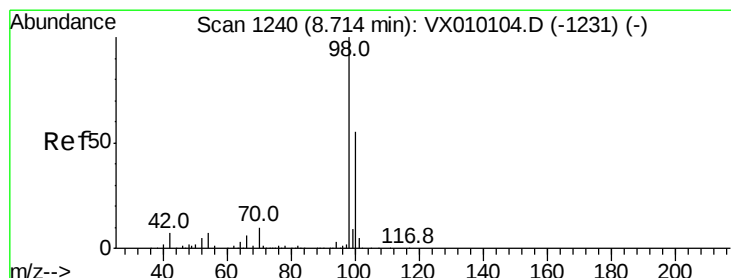
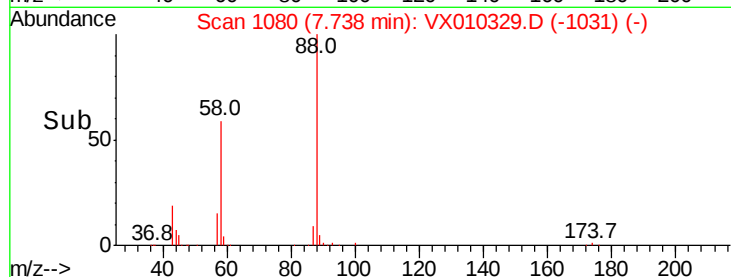
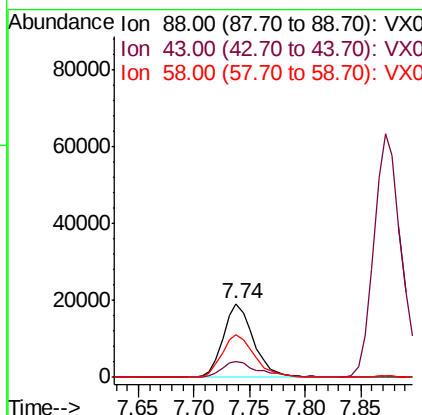
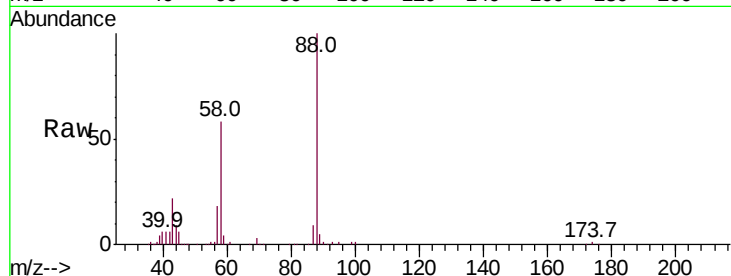
#49
1,4-Dioxane
Concen: 415.501 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX010329.D
Acq: 17 Jun 2019 17:32

Instrument :
MSVOA_X
ClientSampleId :
VX0617MBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	24.6	30.2	45.4#
58	62.2	64.0	96.0#

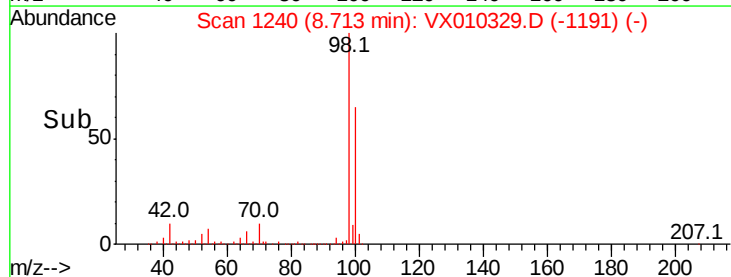
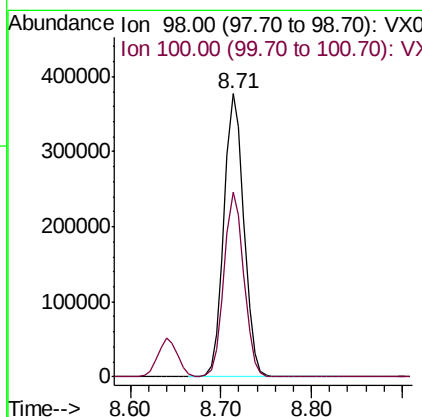
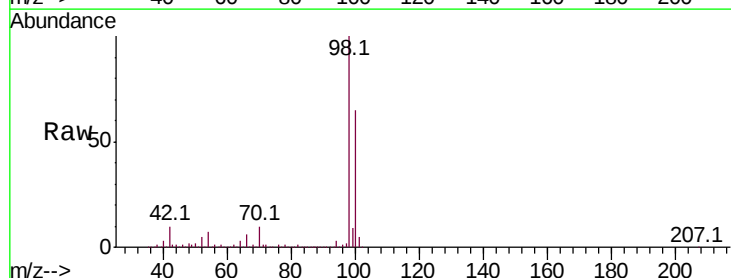
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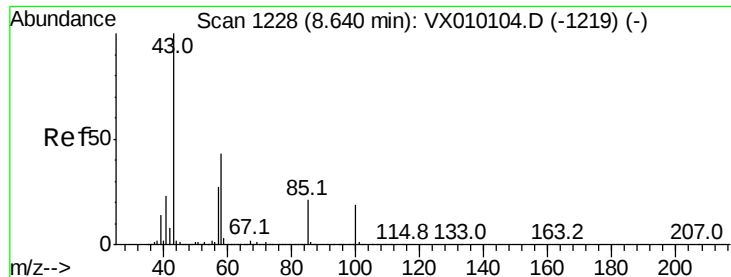
MMDadoda
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#50
Toluene-d8
Concen: 54.505 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010329.D
Acq: 17 Jun 2019 17:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 108.006 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX010329.D

Acq: 17 Jun 2019 17:32

Instrument :

MSVOA_X

ClientSampleId :

VX0617MBS02

Tot Ion: 43 Resp: 421327

Ion Ratio Lower Upper

43 100

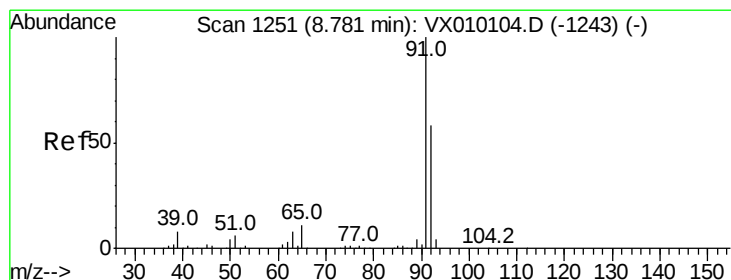
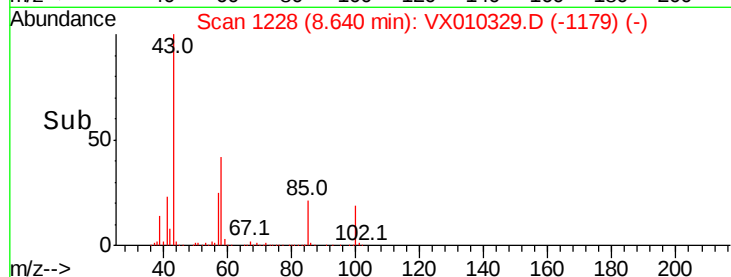
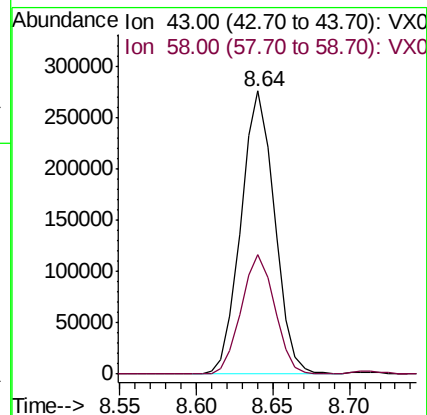
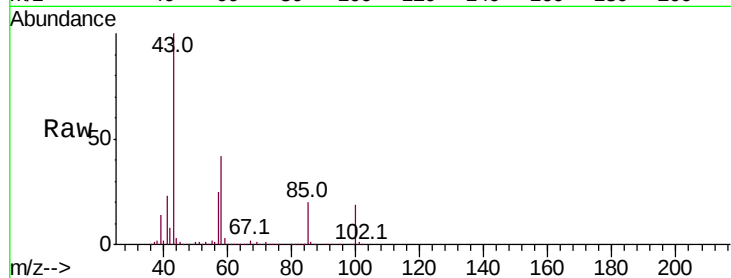
58 42.2 28.8 43.2

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#52

Toluene

Concen: 19.859 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX010329.D

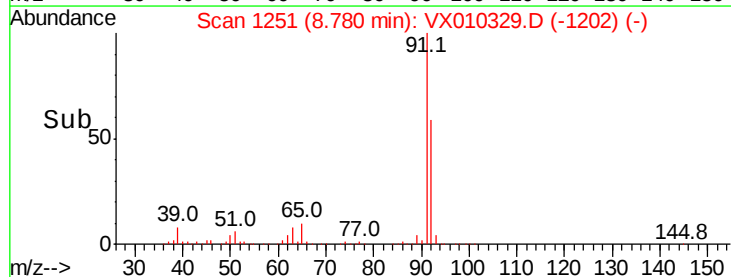
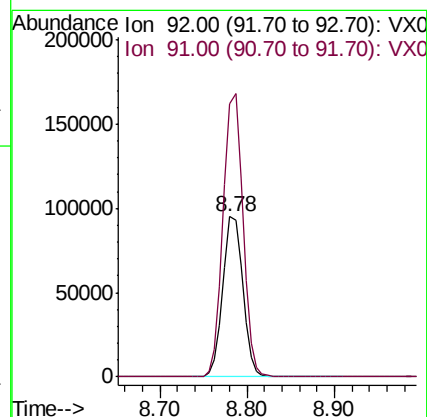
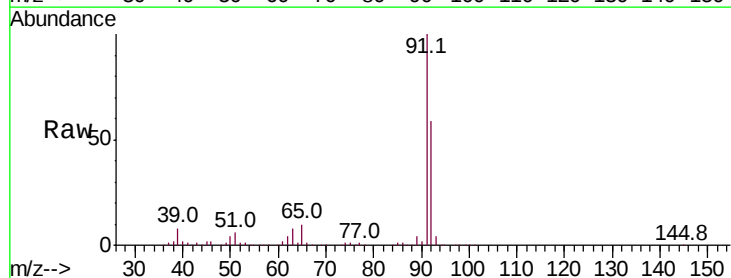
Acq: 17 Jun 2019 17:32

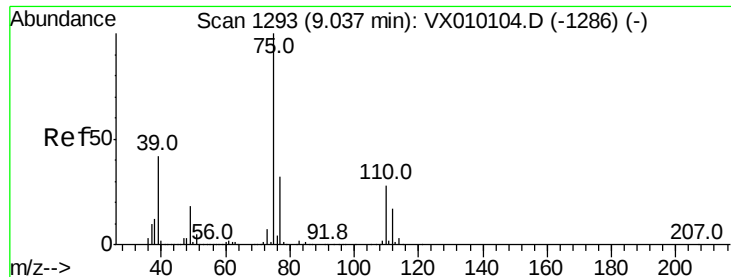
Tgt Ion: 92 Resp: 151516

Ion Ratio Lower Upper

92 100

91 175.2 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 18.364 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX010329.D

Acq: 17 Jun 2019 17:32

Instrument :

MSVOA_X

ClientSampleId :

VX0617MBS02

Tot Ion: 75 Resp: 86382

Ion Ratio Lower Upper

75 100

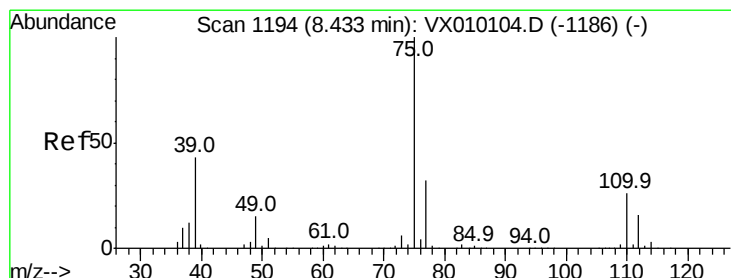
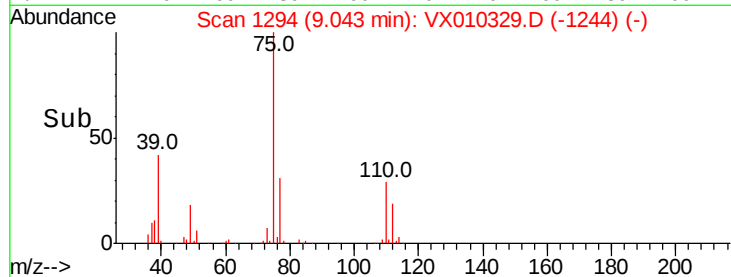
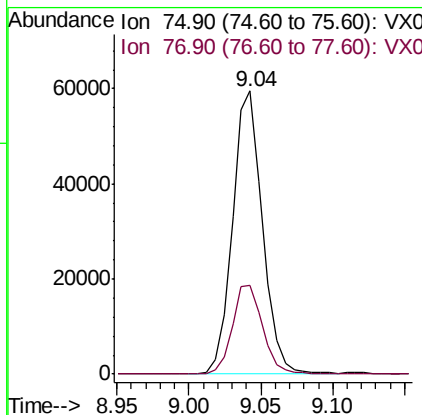
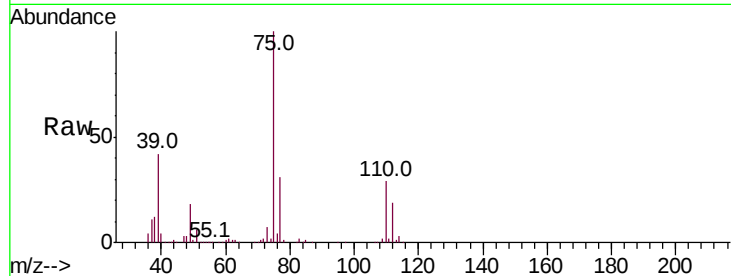
77 31.3 24.6 36.8

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#54

cis-1,3-Dichloropropene

Concen: 18.887 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX010329.D

Acq: 17 Jun 2019 17:32

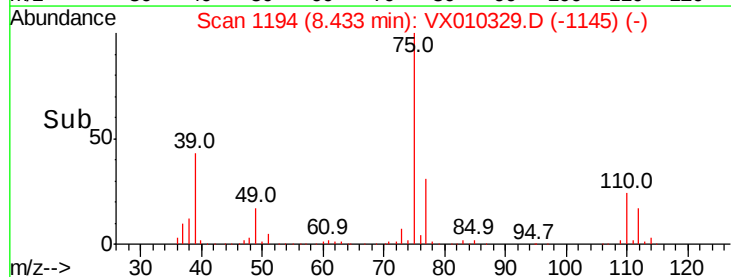
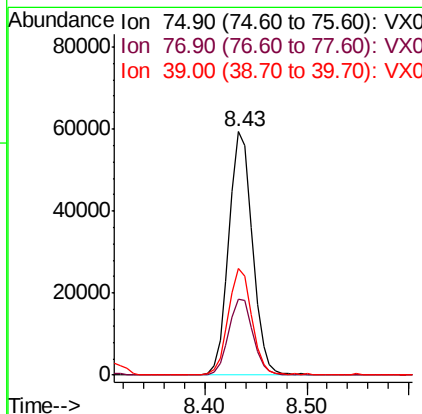
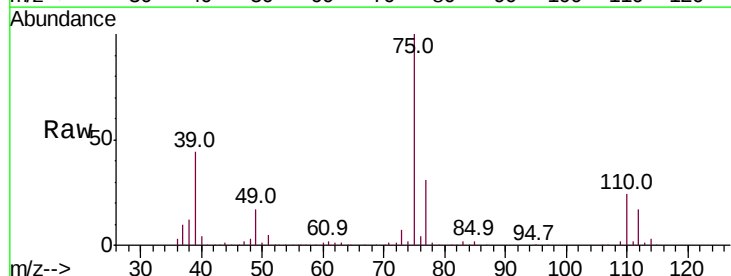
Tgt Ion: 75 Resp: 95247

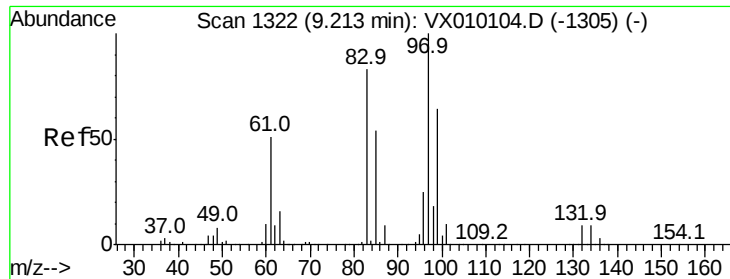
Ion Ratio Lower Upper

75 100

77 31.2 24.8 37.2

39 43.3 43.4 65.0#





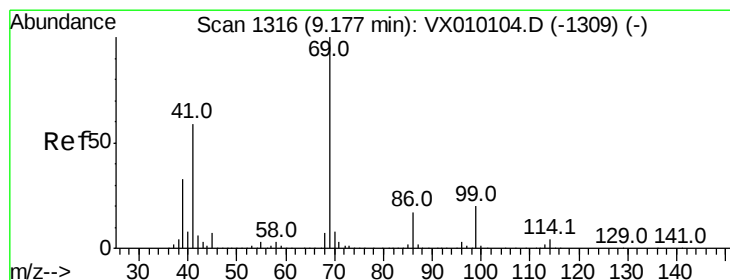
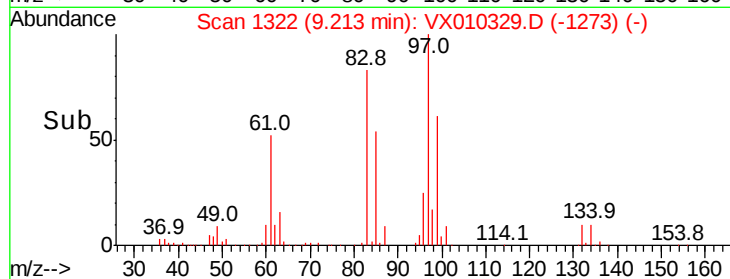
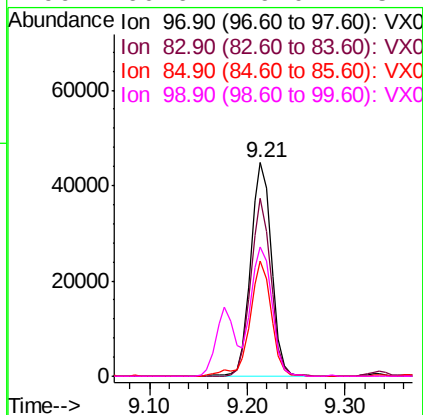
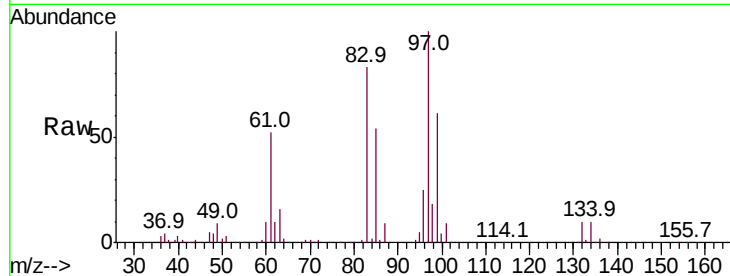
#55
 1,1,2-Trichloroethane
 Concen: 21.166 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX010329.D
 Acq: 17 Jun 2019 17:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0617MBS02

Tot Ion	97	Resp	66135
Ion	Ratio	Lower	Upper
97	100		
83	83.2	69.8	104.8
85	53.9	45.3	67.9
99	60.6	49.0	73.4

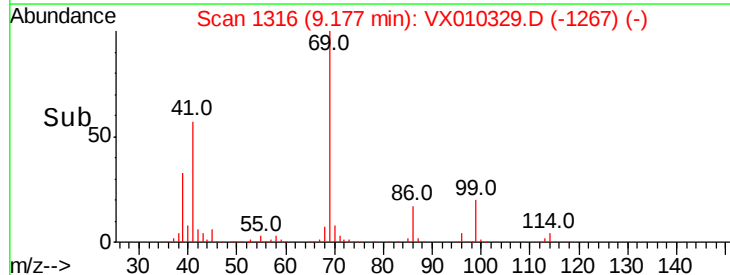
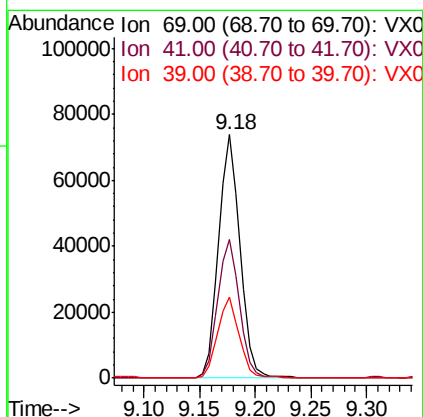
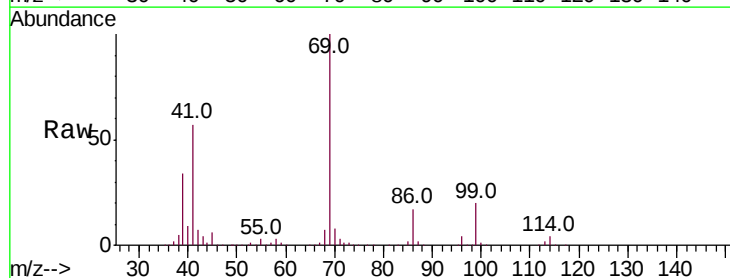
Manual Integrations
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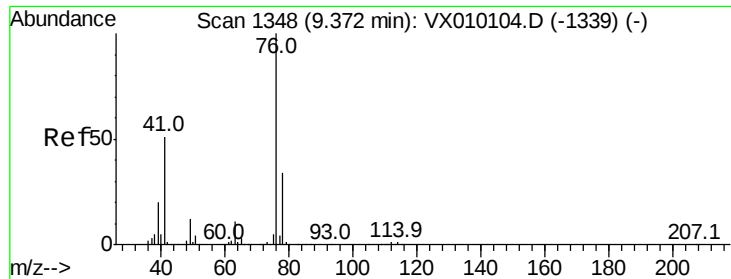
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#56
 Ethyl methacrylate
 Concen: 20.080 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX010329.D
 Acq: 17 Jun 2019 17:32

Tgt Ion	69	Resp	99111
Ion	Ratio	Lower	Upper
69	100		
41	57.6	62.7	94.1#
39	32.9	29.5	44.3





#57

1,3-Dichloropropane

Concen: 20.065 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX010329.D

Acq: 17 Jun 2019 17:32

Instrument :

MSVOA_X

ClientSampleId :

VX0617MBS02

Tot Ion: 76 Resp: 98705

Ion Ratio Lower Upper

76 100

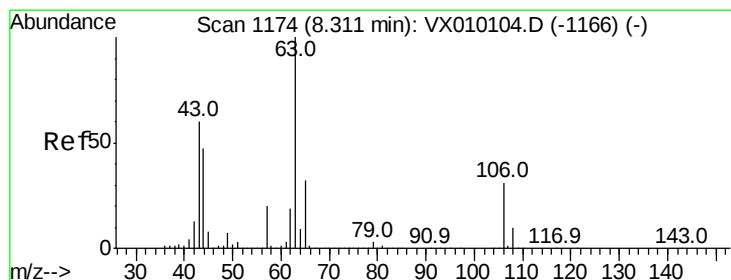
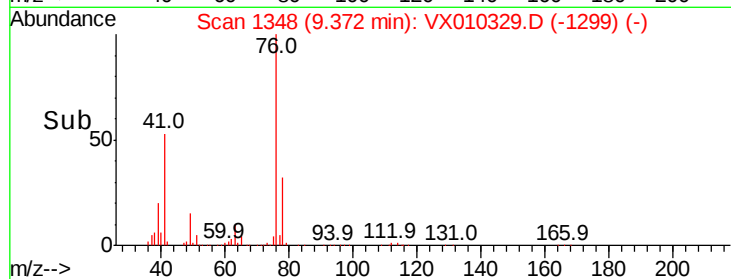
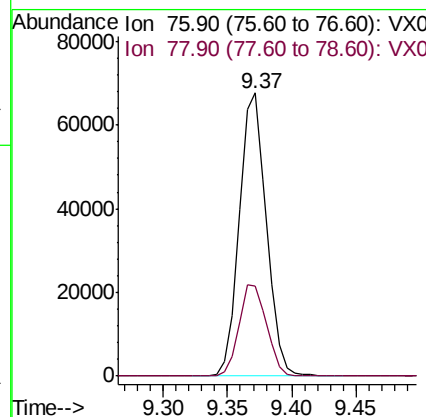
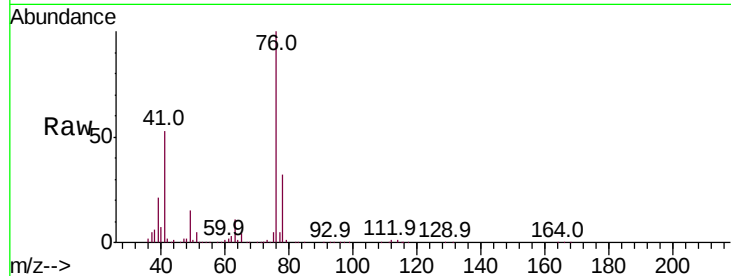
78 33.1 25.4 38.0

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 96.736 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX010329.D

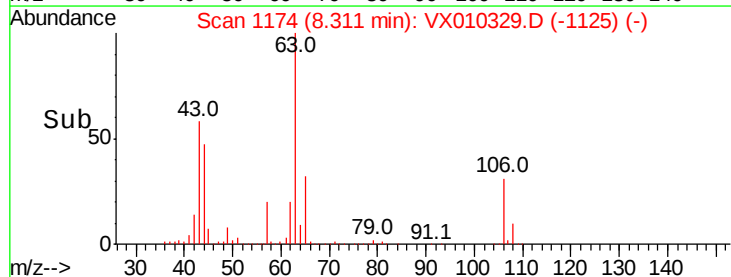
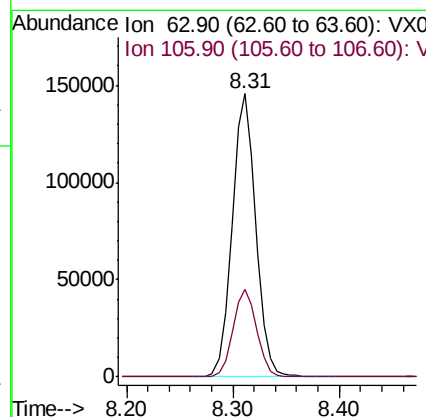
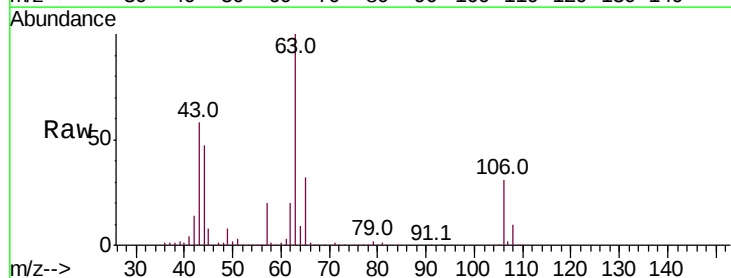
Acq: 17 Jun 2019 17:32

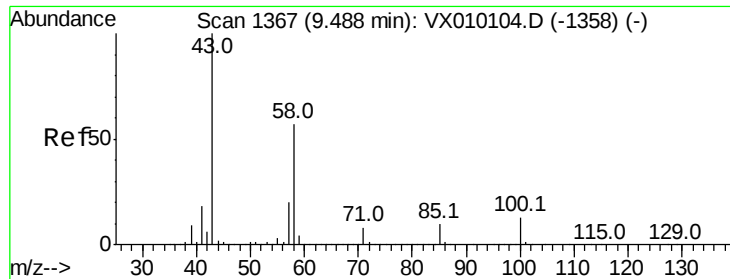
Tgt Ion: 63 Resp: 225092

Ion Ratio Lower Upper

63 100

106 31.1 19.4 29.2#





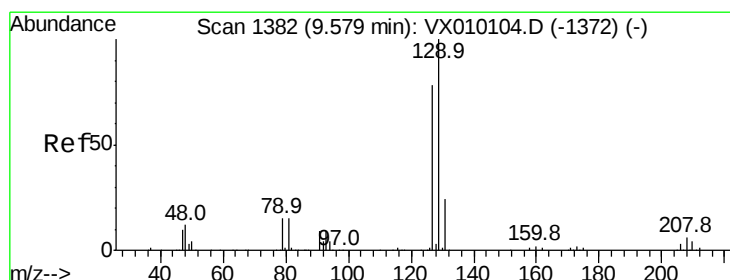
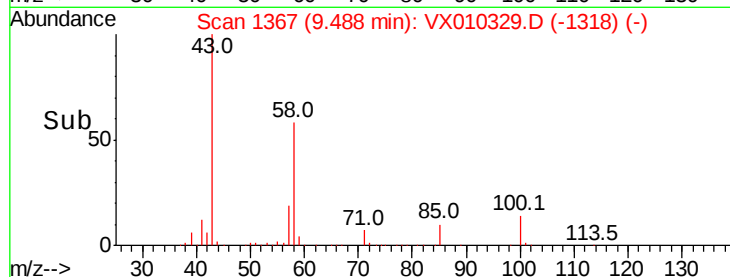
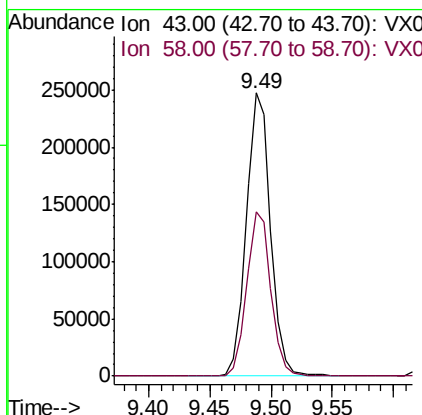
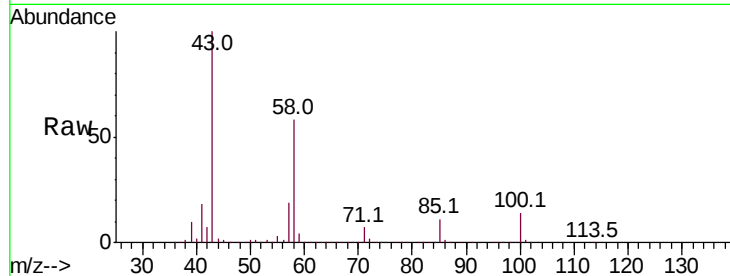
#59
2-Hexanone
Concen: 108.699 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX010329.D
Acq: 17 Jun 2019 17:32

Instrument :
MSVOA_X
ClientSampleId :
VX0617MBS02

Tot Ion: 43 Resp: 338084
Ion Ratio Lower Upper
43 100
58 58.4 25.1 75.3

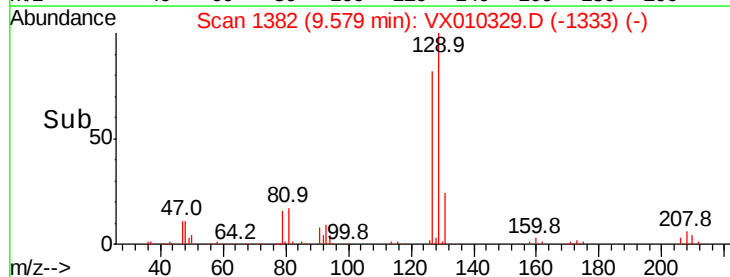
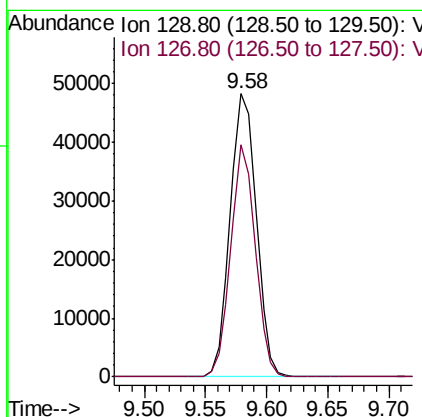
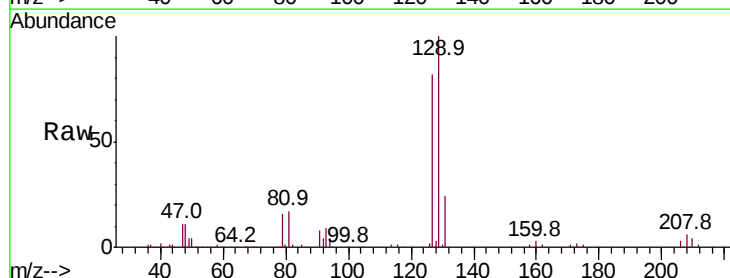
Manual Integrations
APPROVED

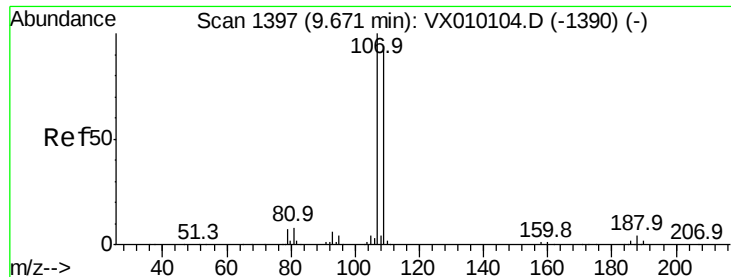
MMDadoda
6/18/2019 11:26:59 AM



#60
Dibromochloromethane
Concen: 19.375 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX010329.D
Acq: 17 Jun 2019 17:32

Tgt Ion: 129 Resp: 71610
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5





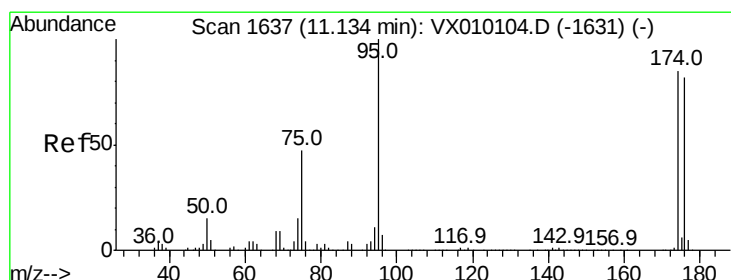
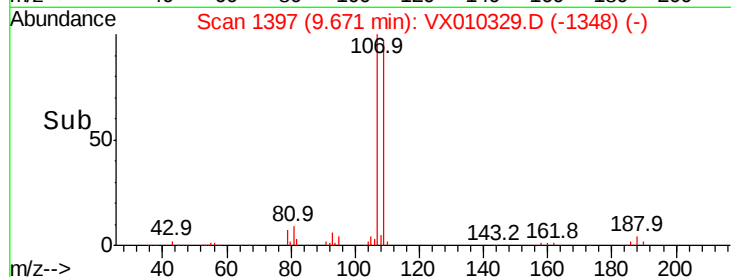
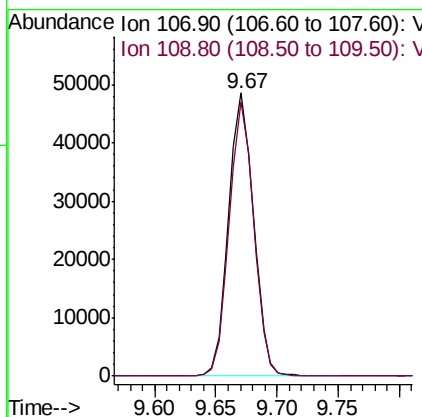
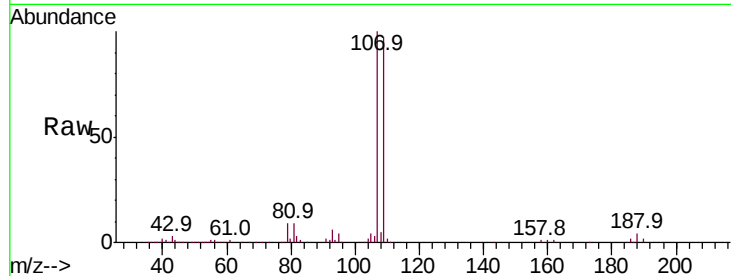
#61
 1,2-Dibromoethane
 Concen: 19.706 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX010329.D
 Acq: 17 Jun 2019 17:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0617MBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.6	75.4	113.2

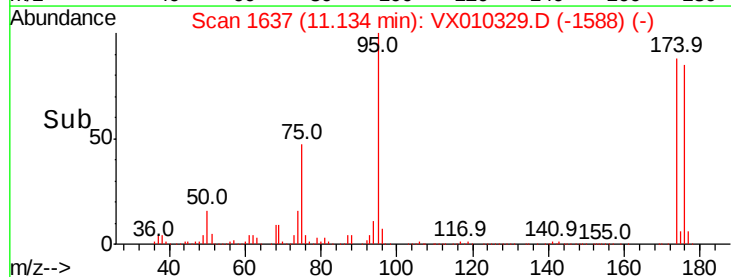
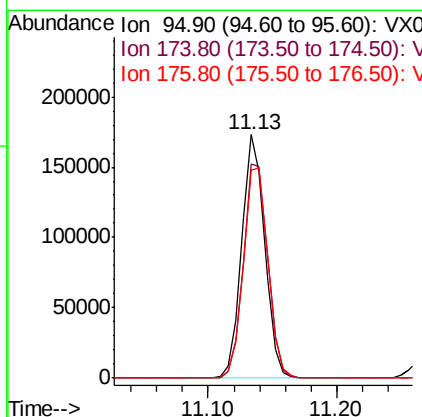
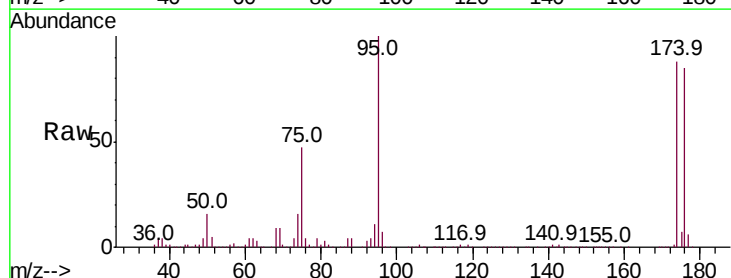
Manual Integrations
 APPROVED

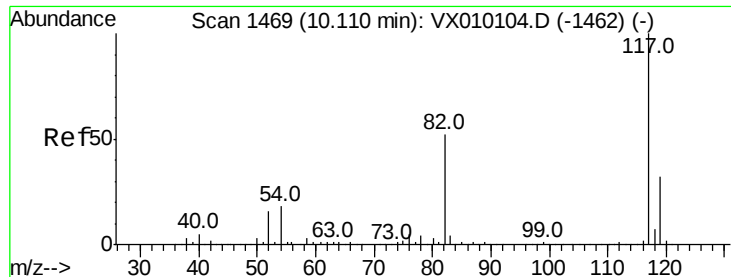
MMDadoda
 6/18/2019 11:26:59 AM



#62
 4-Bromofluorobenzene
 Concen: 53.686 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX010329.D
 Acq: 17 Jun 2019 17:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.9	0.0	160.4
176	91.2	0.0	154.6





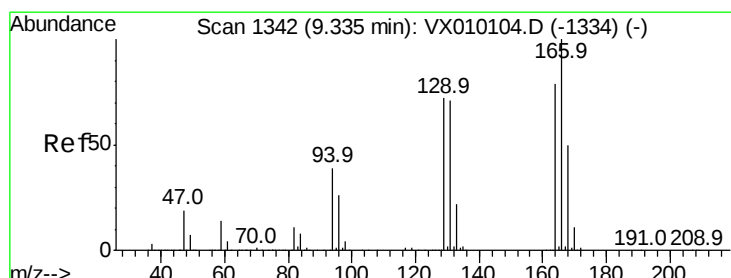
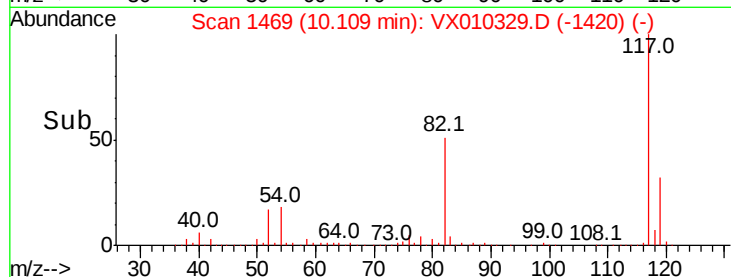
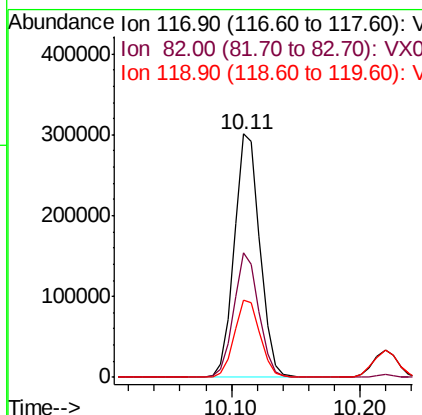
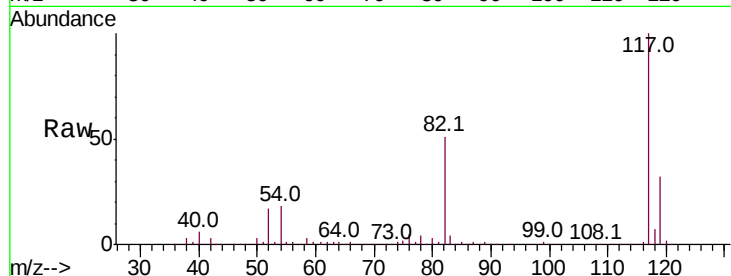
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010329.D
Acq: 17 Jun 2019 17:32

Instrument :
MSVOA_X
ClientSampleId :
VX0617MBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.3	49.2	73.8
119	32.0	25.2	37.8

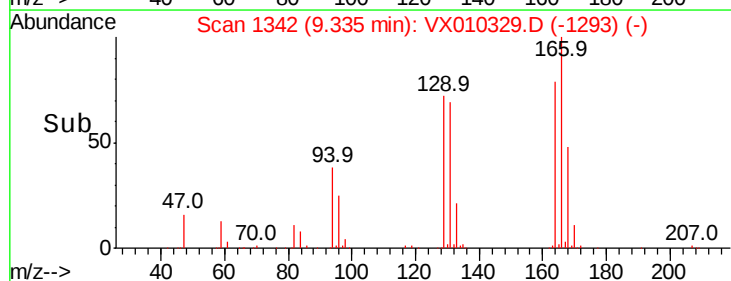
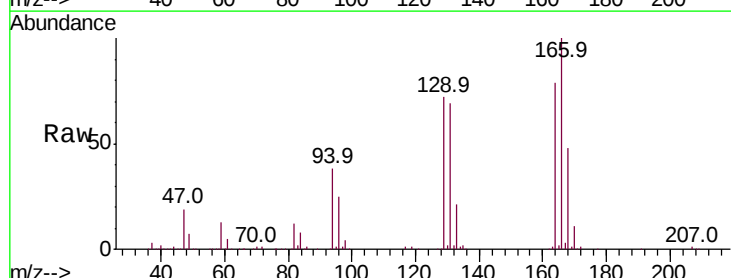
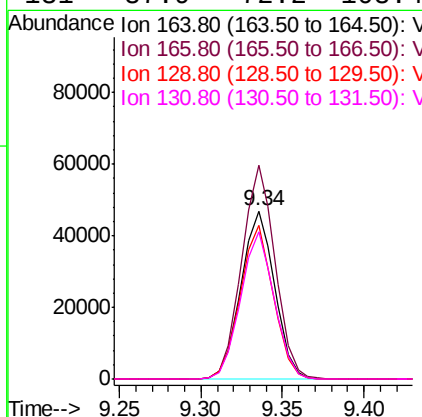
Manual Integrations
APPROVED

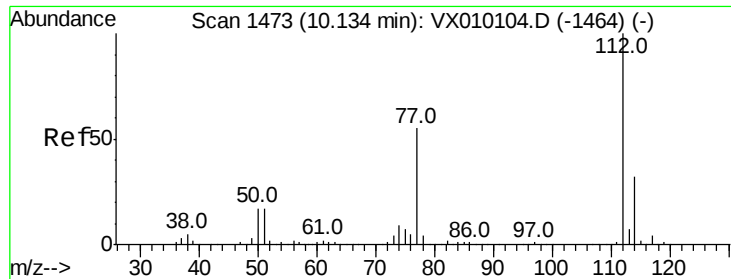
MMDadoda
6/18/2019 11:26:59 AM



#64
Tetrachloroethene
Concen: 21.882 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010329.D
Acq: 17 Jun 2019 17:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	105.0	157.4
129	91.7	75.1	112.7
131	87.9	72.2	108.4





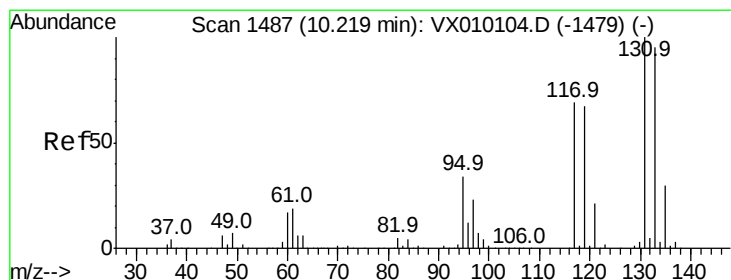
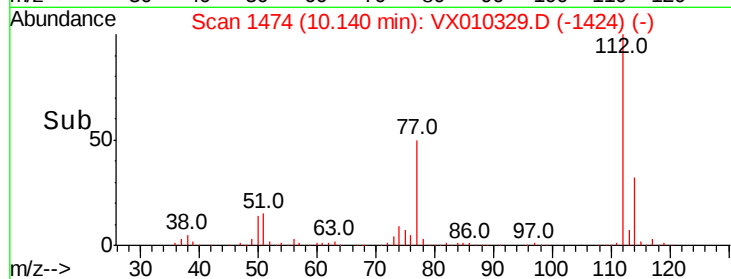
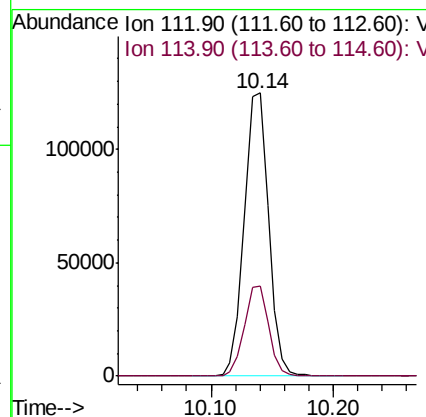
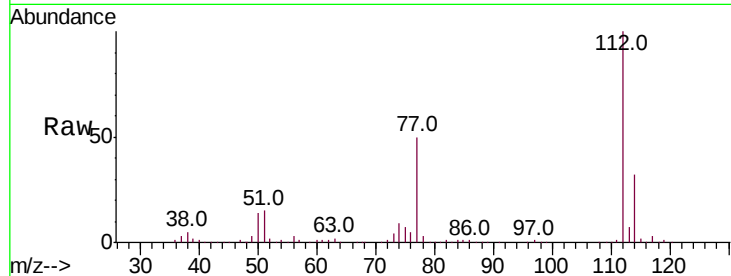
#65
Chlorobenzene
Concen: 20.092 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX010329.D
Acq: 17 Jun 2019 17:32

Instrument :
MSVOA_X
ClientSampleId :
VX0617MBS02

Tot Ion:112 Resp: 172500
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.8

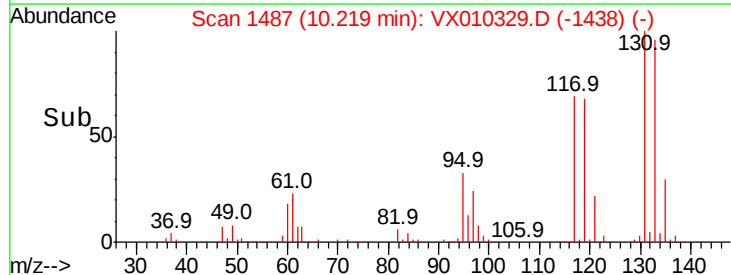
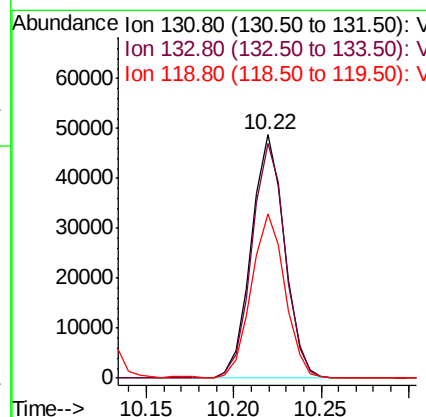
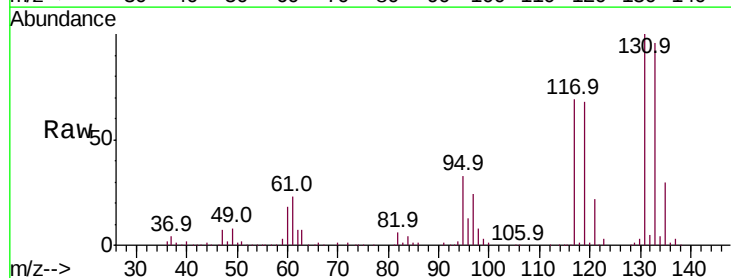
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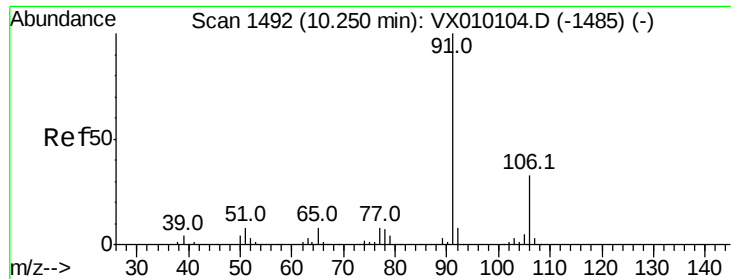
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.550 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX010329.D
Acq: 17 Jun 2019 17:32

Tgt Ion:131 Resp: 64548
Ion Ratio Lower Upper
131 100
133 96.7 47.5 142.6
119 68.5 33.4 100.1





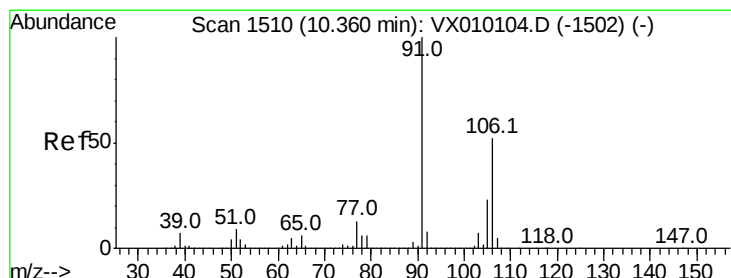
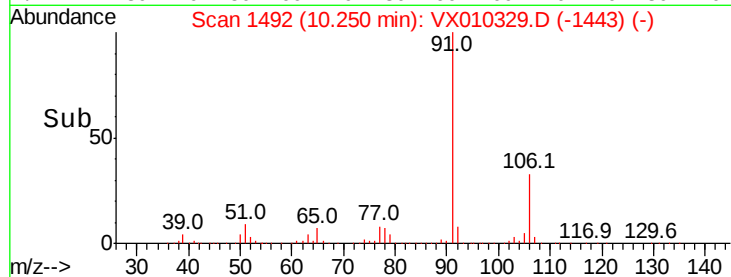
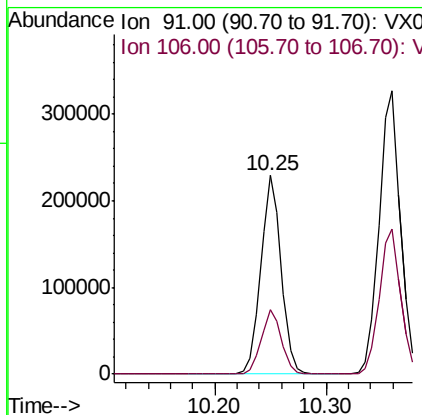
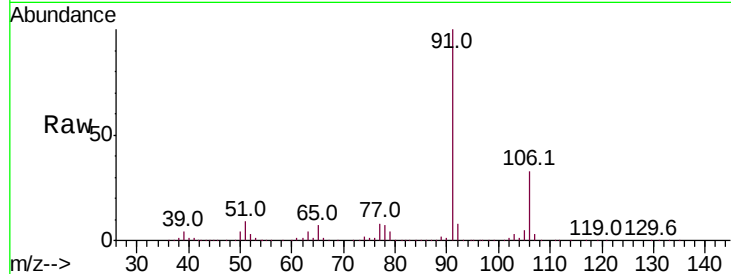
#67
Ethyl Benzene
Concen: 20.126 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010329.D
Acq: 17 Jun 2019 17:32

Instrument :
MSVOA_X
ClientSampleId :
VX0617MBS02

Tot Ion: 91 Resp: 294160
Ion Ratio Lower Upper
91 100
106 32.5 23.9 35.9

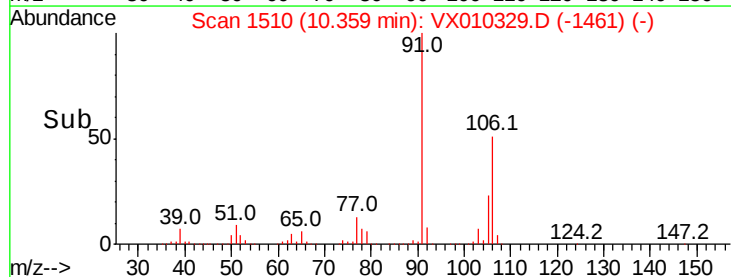
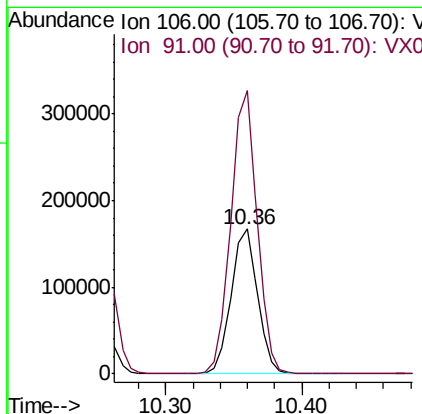
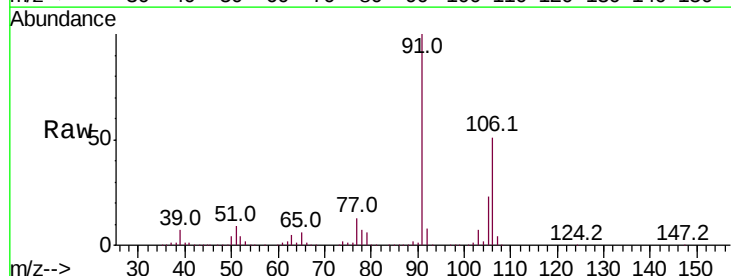
Manual Integrations
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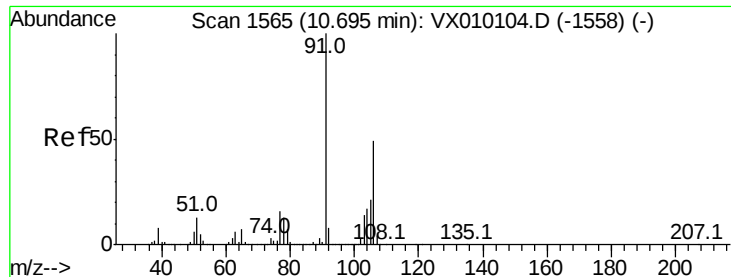
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#68
m/p-Xylenes
Concen: 39.916 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010329.D
Acq: 17 Jun 2019 17:32

Tgt Ion: 106 Resp: 225756
Ion Ratio Lower Upper
106 100
91 194.5 167.3 250.9





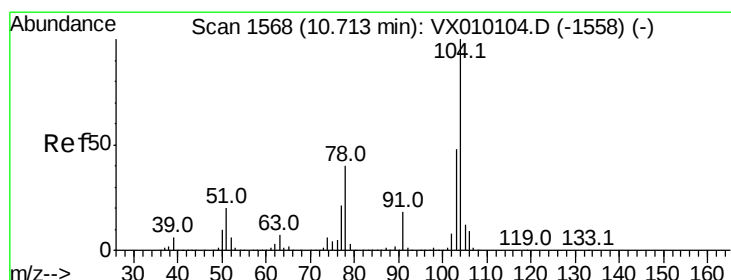
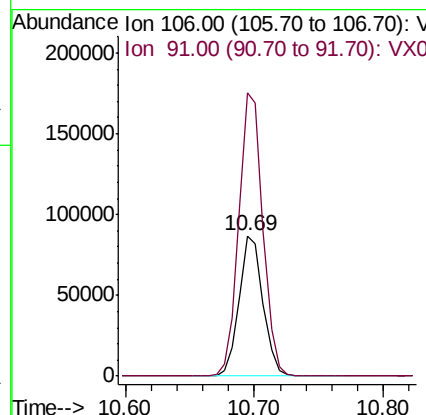
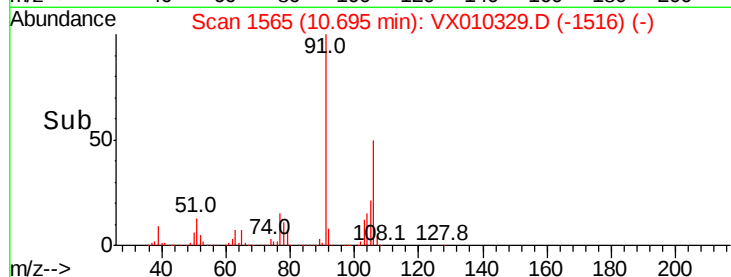
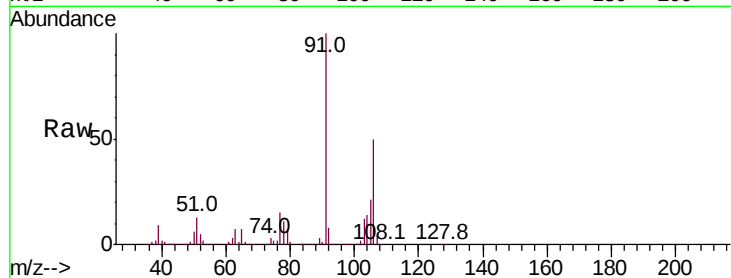
#69
o-Xylene
Concen: 19.959 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010329.D
Acq: 17 Jun 2019 17:32

Instrument :
MSVOA_X
ClientSampleId :
VX0617MBS02

Tot Ion:106 Resp: 112210
Ion Ratio Lower Upper
106 100
91 203.3 110.4 331.2

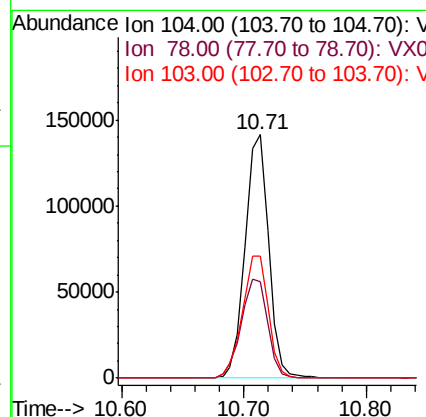
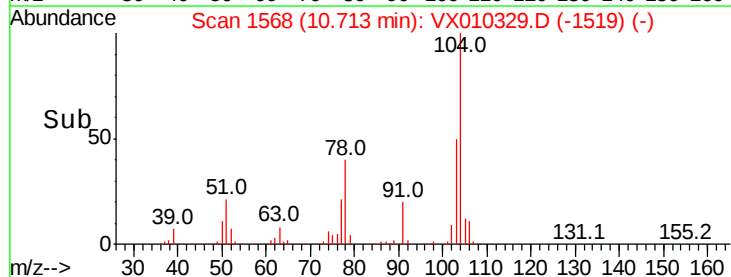
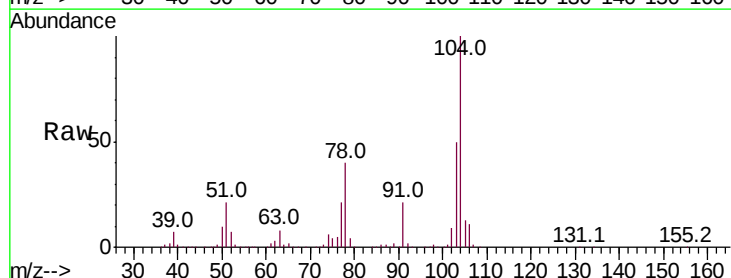
Manual Integrations
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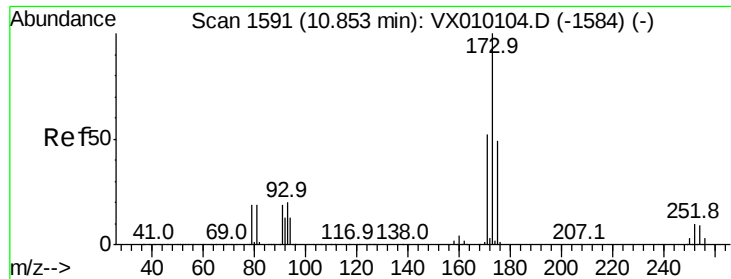
MMDadoda
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#70
Styrene
Concen: 19.761 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX010329.D
Acq: 17 Jun 2019 17:32

Tgt Ion:104 Resp: 188165
Ion Ratio Lower Upper
104 100
78 45.9 42.1 63.1
103 55.5 44.1 66.1





#71

Bromoform

Concen: 18.514 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX010329.D

Acq: 17 Jun 2019 17:32

Instrument :

MSVOA_X

ClientSampleId :

VX0617MBS02

Tot Ion:173 Resp: 56195

Ion Ratio Lower Upper

173 100

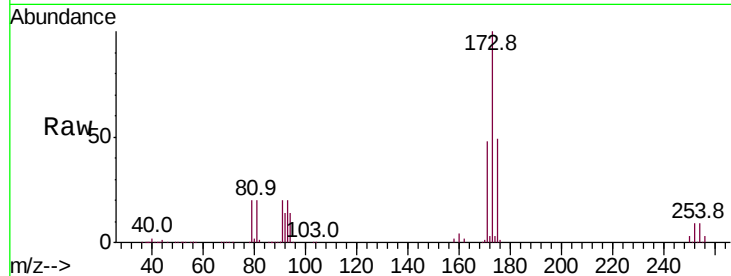
175 49.4 25.0 75.0

254 0.1 0.2 0.2#

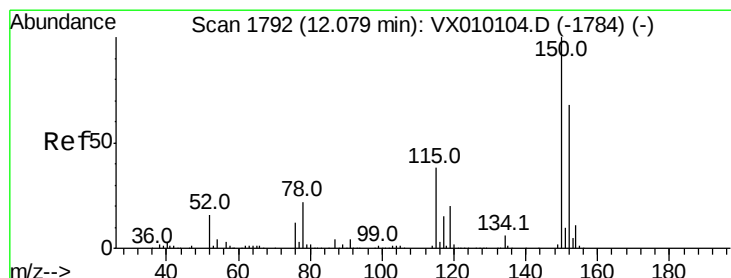
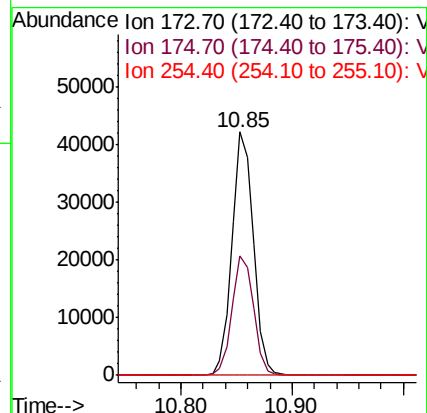
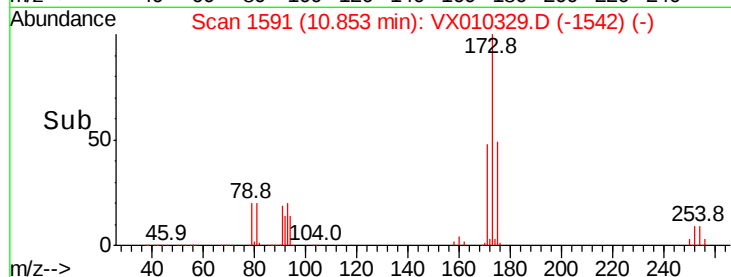
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010329.D

Acq: 17 Jun 2019 17:32

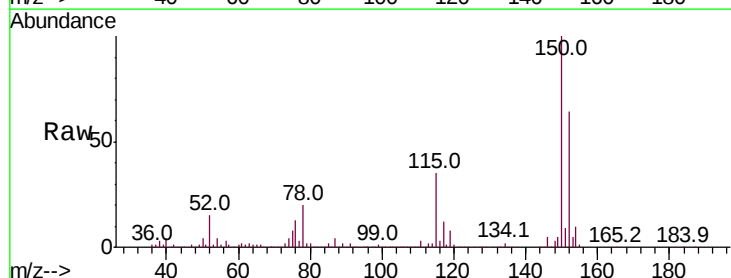
Tgt Ion:152 Resp: 212703

Ion Ratio Lower Upper

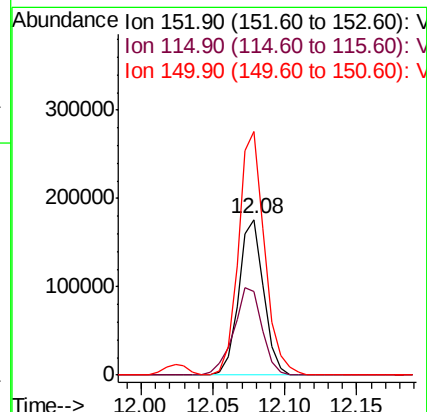
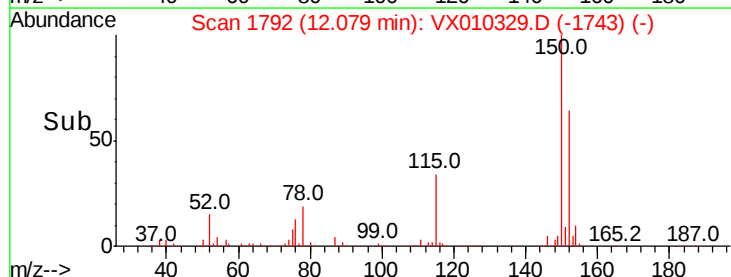
152 100

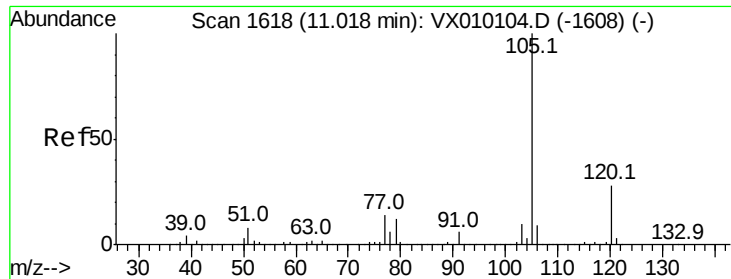
115 64.7 41.4 124.2

150 164.6 0.0 345.2



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: 19.903 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010329.D

Acq: 17 Jun 2019 17:32

Instrument :

MSVOA_X

ClientSampleId :

VX0617MBS02

Tot Ion:105 Resp: 295521

Ion Ratio Lower Upper

105 100

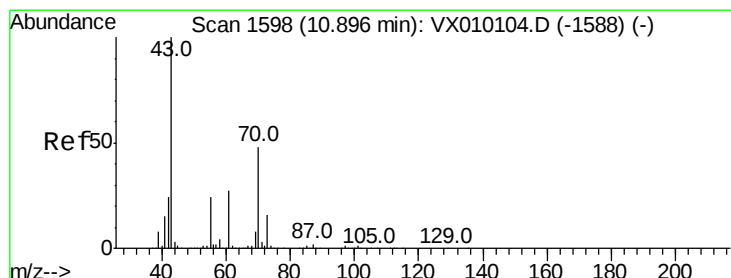
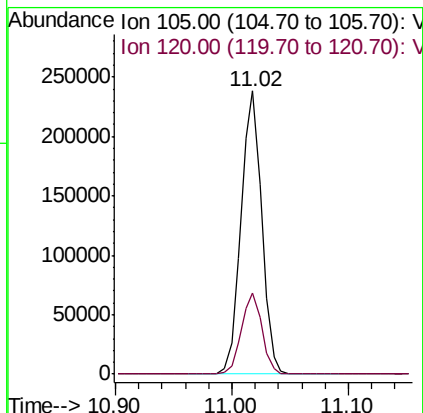
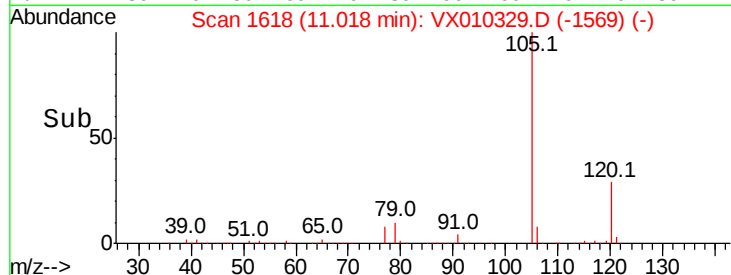
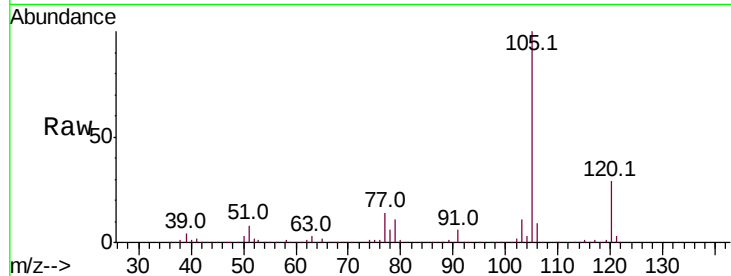
120 28.5 12.8 38.4

Manual Integrations

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6/18/2019 11:26:59 AM



#74

N-ethyl acetate

Concen: 20.087 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010329.D

Acq: 17 Jun 2019 17:32

Tgt Ion: 43 Resp: 117901

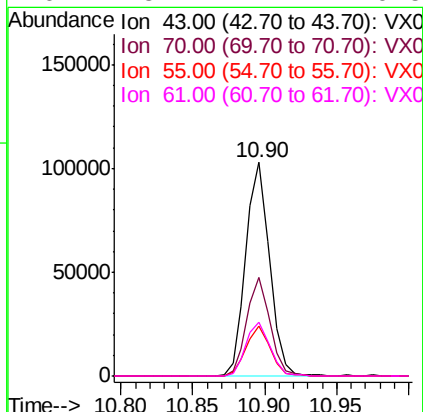
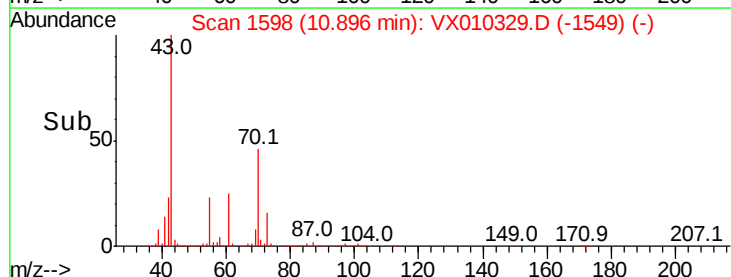
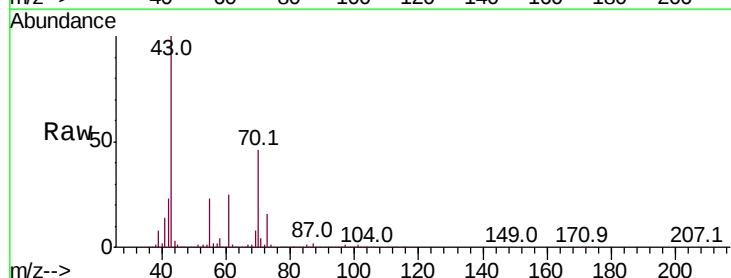
Ion Ratio Lower Upper

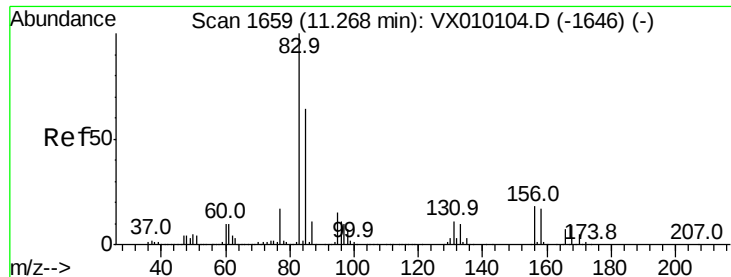
43 100

70 45.2 28.6 43.0#

55 23.5 17.8 26.8

61 25.7 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.643 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX010329.D

Acq: 17 Jun 2019 17:32

Instrument :

MSVOA_X

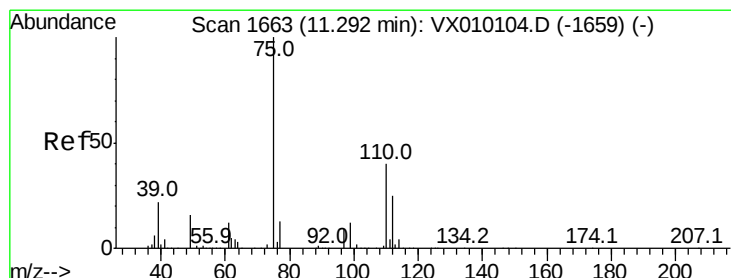
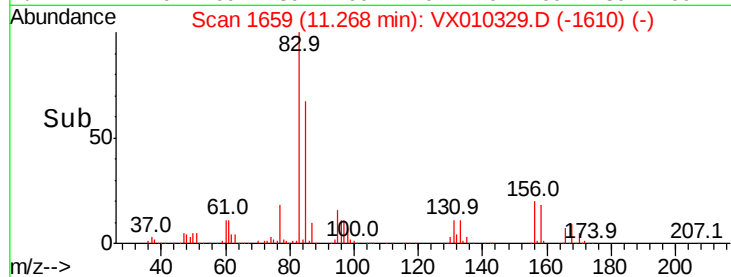
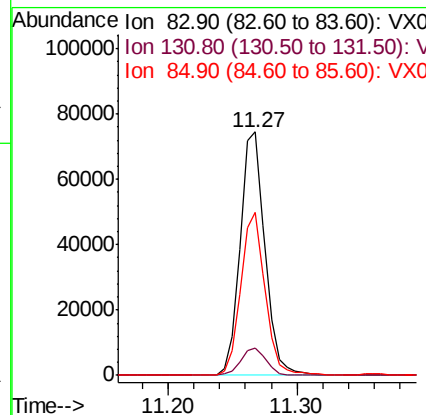
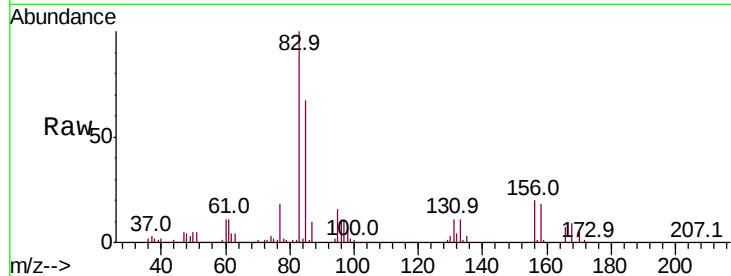
ClientSampleId :

VX0617MBS02

Tot Ion:	83	Resp:	99837
Ion Ratio	Lower	Upper	
83	100		
131	11.4	4.7	14.1
85	65.8	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.672 ug/l m

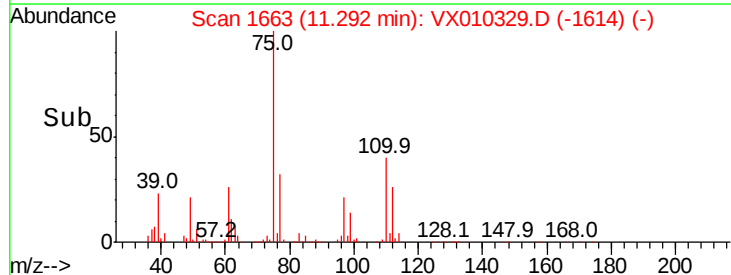
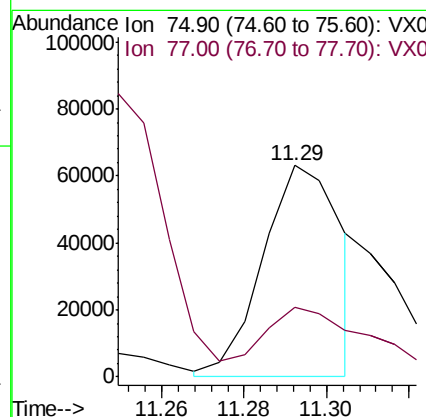
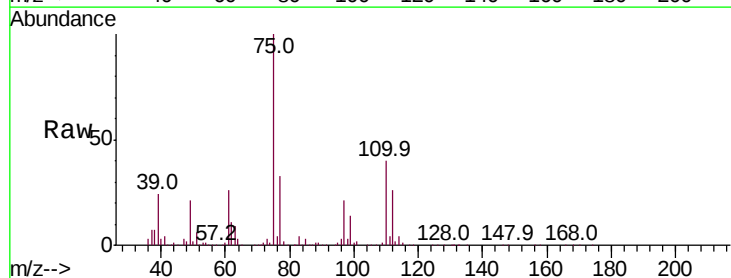
RT: 11.29 min Scan# 1663

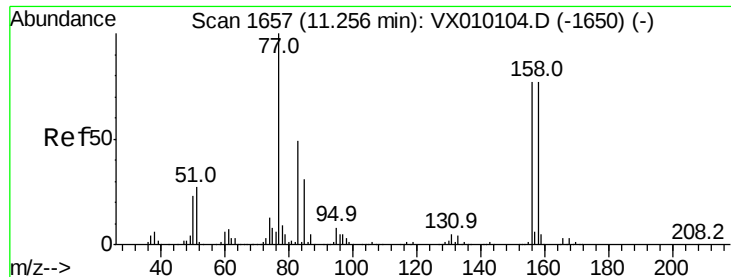
Delta R.T. -0.00 min

Lab File: VX010329.D

Acq: 17 Jun 2019 17:32

Tgt Ion:	75	Resp:	83694
Ion Ratio	Lower	Upper	
75	100		
77	45.0	22.1	66.1





#77

Bromobenzene

Concen: 19.831 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX010329.D

Acq: 17 Jun 2019 17:32

Instrument :

MSVOA_X

ClientSampleId :

VX0617MBS02

Tot Ion:156 Resp: 80973

Ion Ratio Lower Upper

156 100

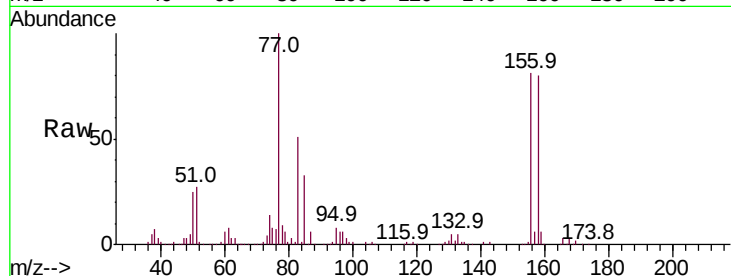
77 134.9 86.8 260.3

158 99.0 49.6 148.8

Manual Integrations
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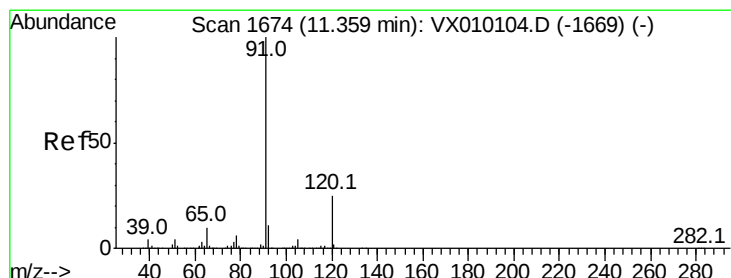
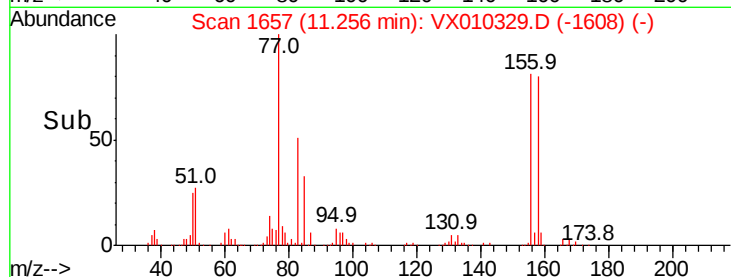
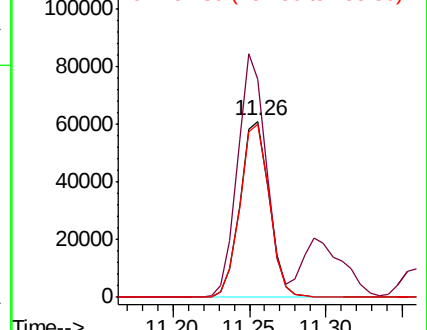
6/18/2019 11:26:59 AM



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: 19.653 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010329.D

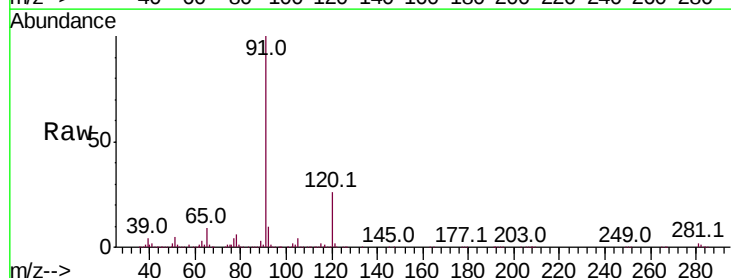
Acq: 17 Jun 2019 17:32

Tgt Ion: 91 Resp: 324865

Ion Ratio Lower Upper

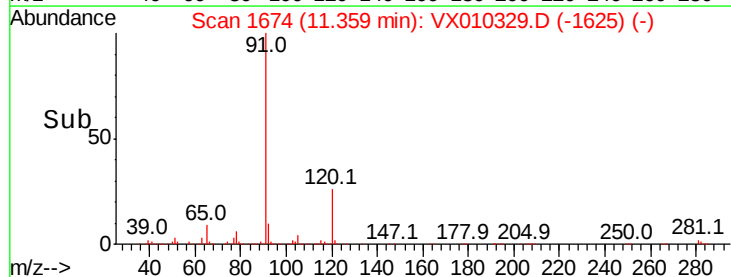
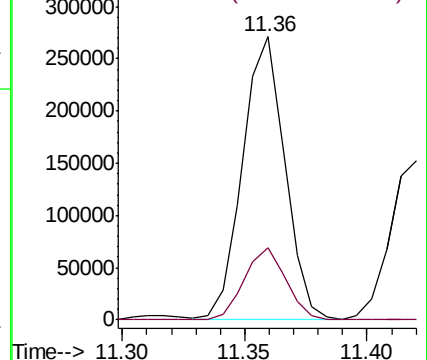
91 100

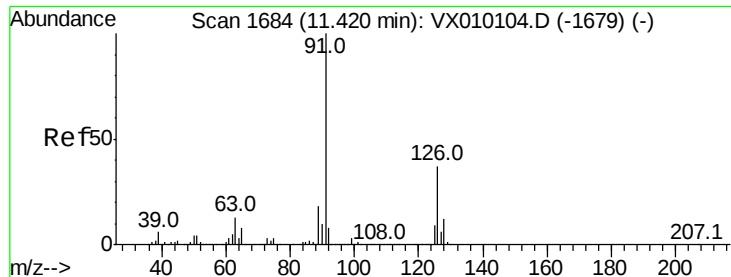
120 25.2 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.495 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010329.D

Acq: 17 Jun 2019 17:32

Instrument :

MSVOA_X

ClientSampleId :

VX0617MBS02

Tot Ion: 91 Resp: 193541

Ion Ratio Lower Upper

91 100

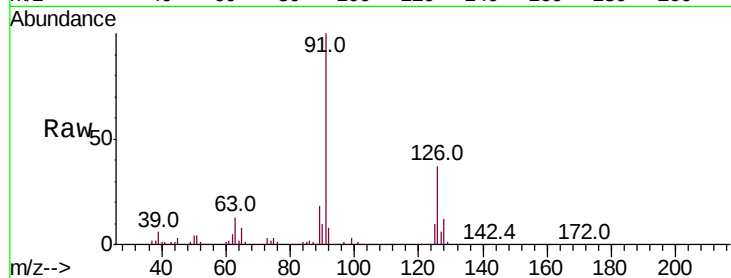
126 37.5 16.1 48.3

Manual Integrations

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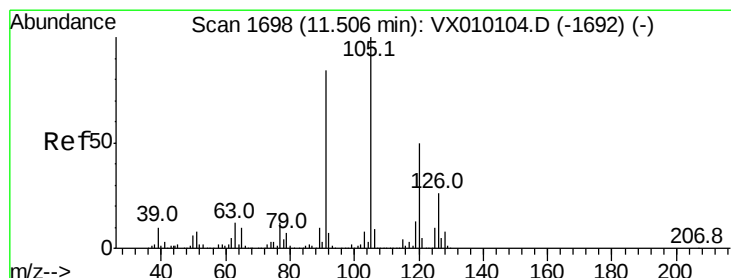
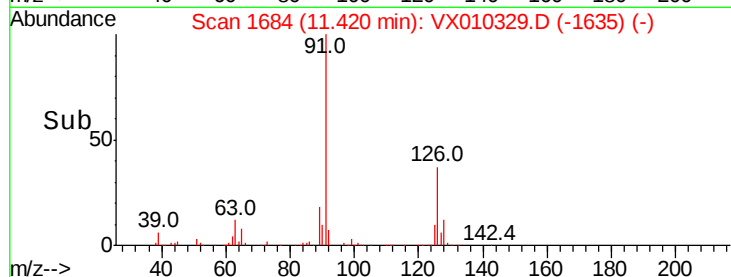
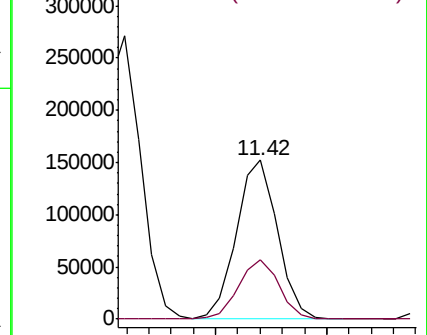
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.842 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010329.D

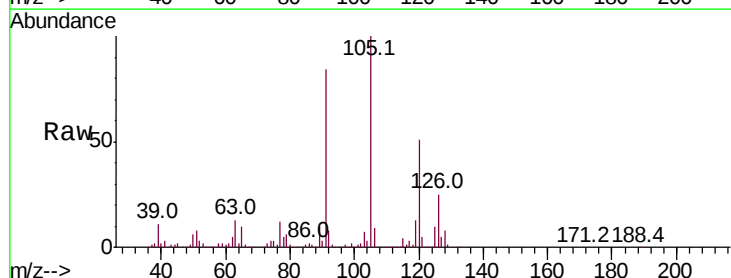
Acq: 17 Jun 2019 17:32

Tgt Ion:105 Resp: 248140

Ion Ratio Lower Upper

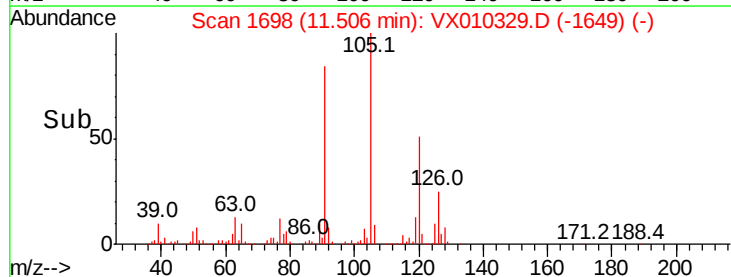
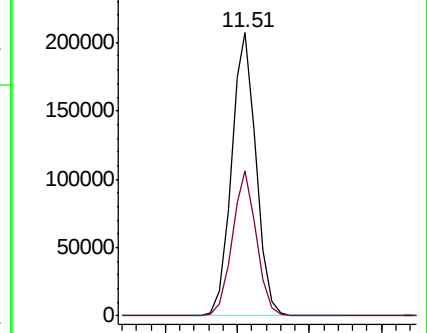
105 100

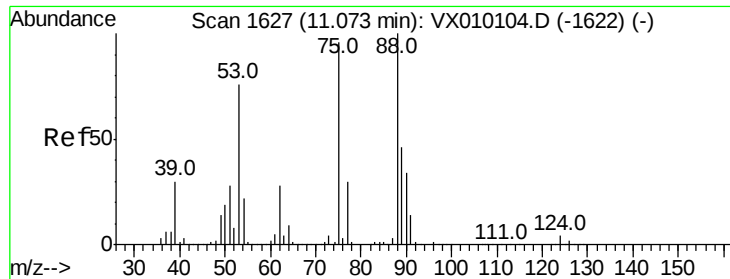
120 50.4 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





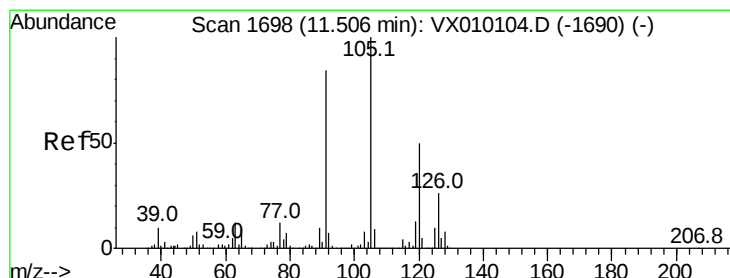
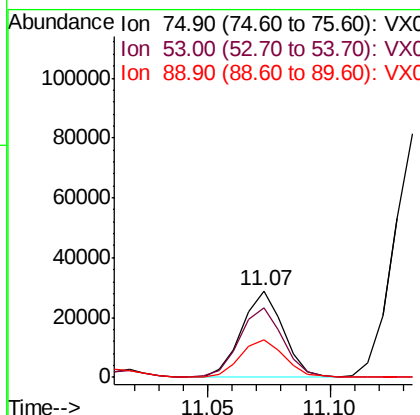
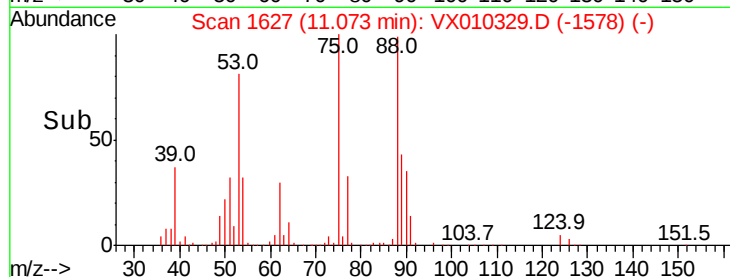
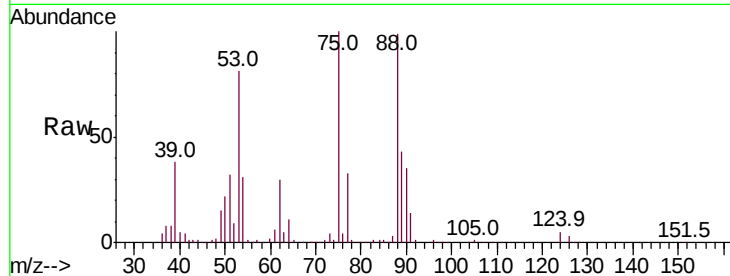
#81
trans-1,4-Dichloro-2-butene
Concen: 17.827 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX010329.D
Acq: 17 Jun 2019 17:32

Instrument :
MSVOA_X
ClientSampleId :
VX0617MBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	83.0	79.8	119.6
89	46.3	34.2	51.4

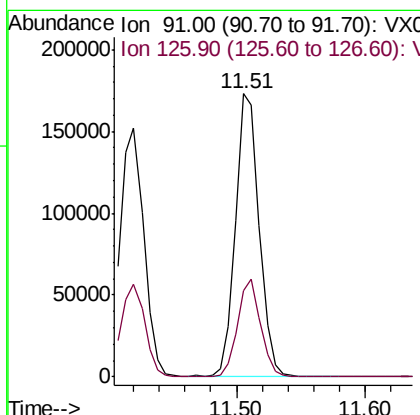
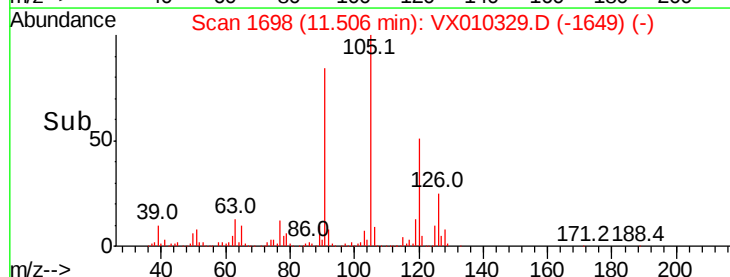
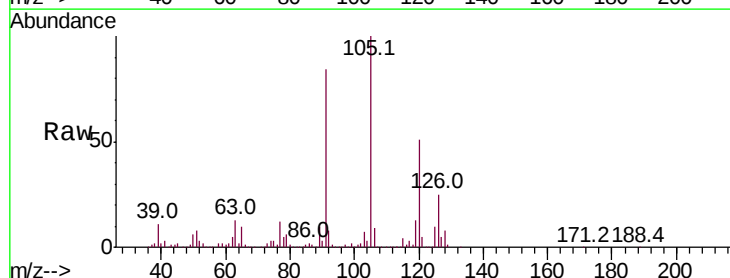
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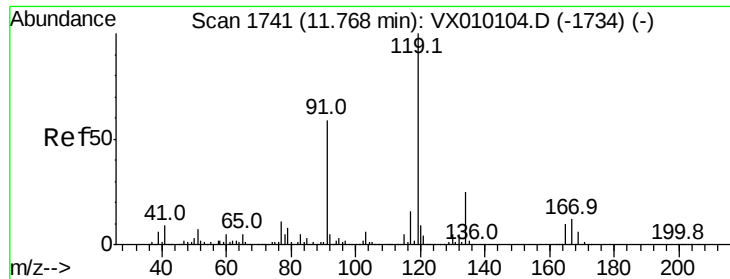
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.653 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX010329.D
Acq: 17 Jun 2019 17:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.6	14.2	42.6





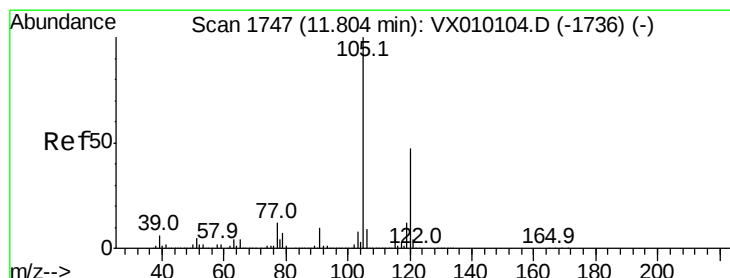
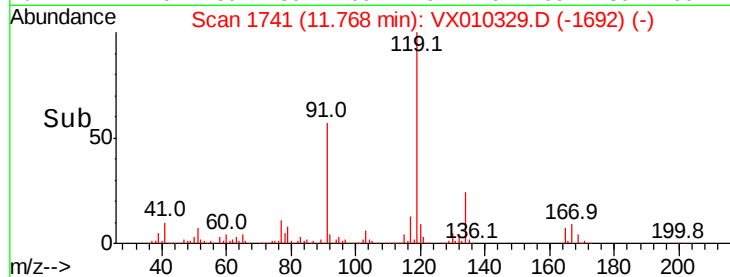
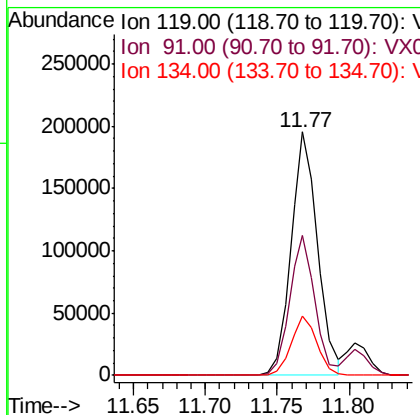
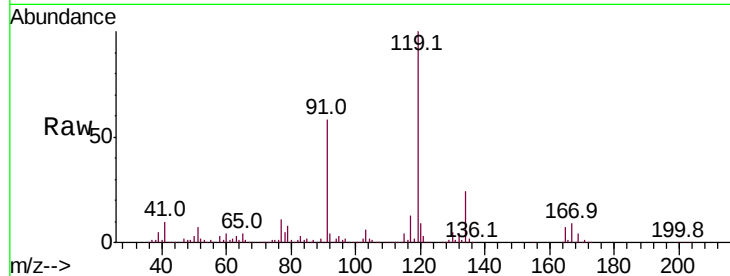
#83
tert-Butylbenzene
Concen: 19.820 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX010329.D
Acq: 17 Jun 2019 17:32

Instrument :
MSVOA_X
ClientSampleId :
VX0617MBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	250880		
91	55.1	30.0	90.0	
134	23.6	11.2	33.5	

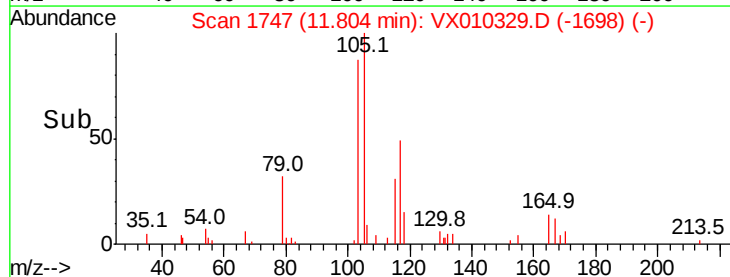
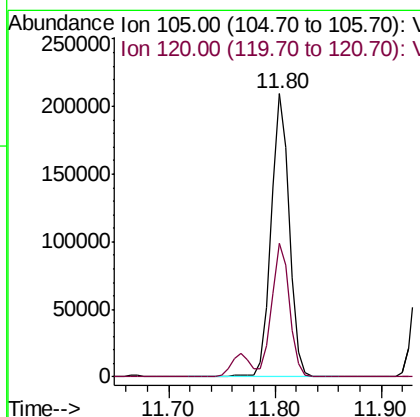
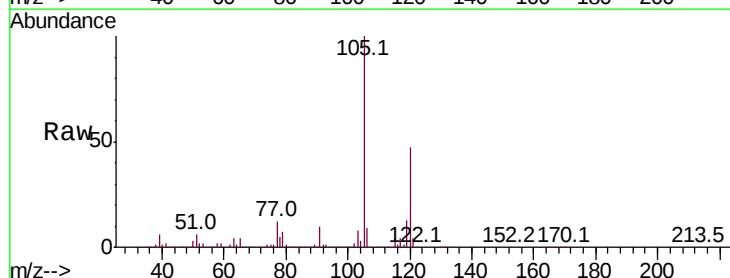
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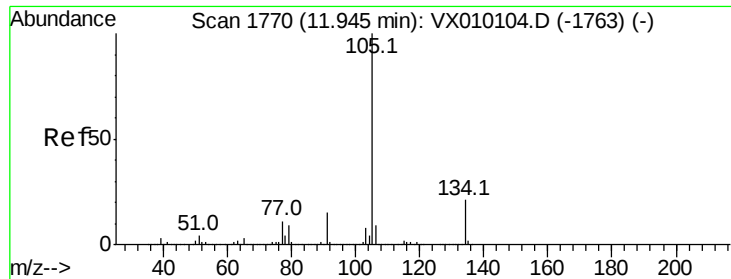
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6/18/2019 11:26:59 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.825 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX010329.D
Acq: 17 Jun 2019 17:32

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	250433		
120	46.0	22.1	66.1	





#85

sec-Butylbenzene

Concen: 19.914 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010329.D

Acq: 17 Jun 2019 17:32

Instrument :

MSVOA_X

ClientSampleId :

VX0617MBS02

Tot Ion:105 Resp: 293666

Ion Ratio Lower Upper

105 100

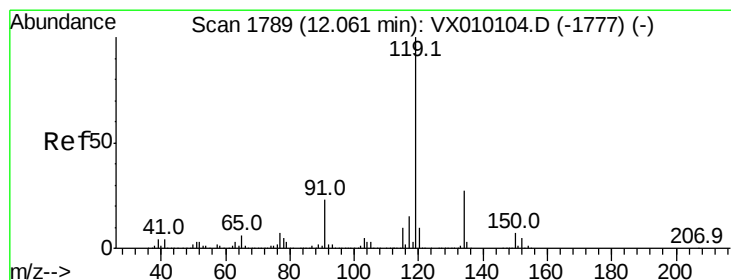
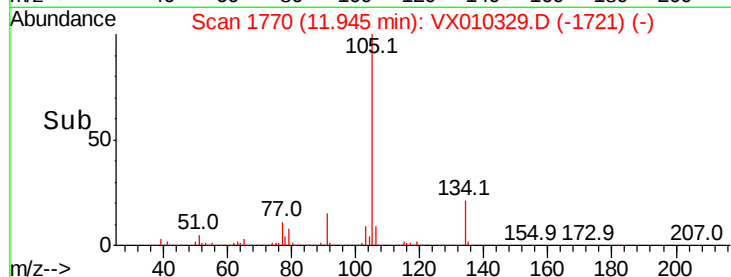
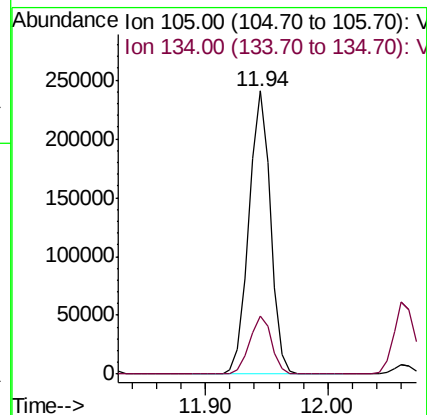
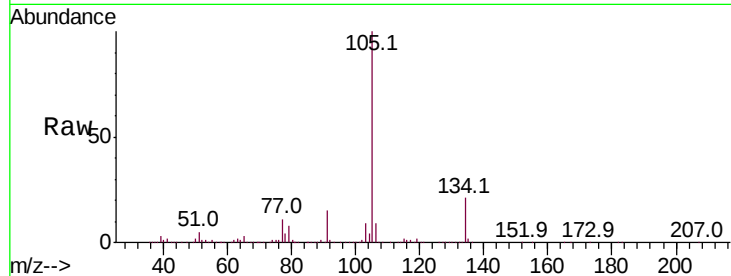
134 21.1 9.7 28.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.948 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010329.D

Acq: 17 Jun 2019 17:32

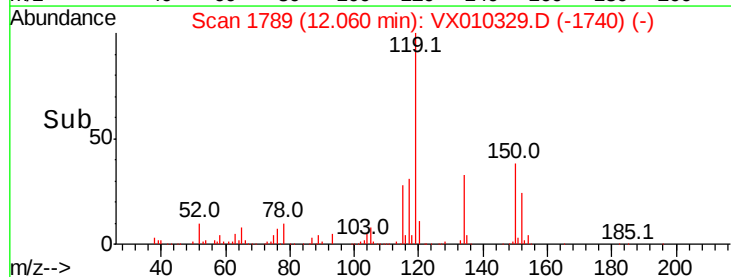
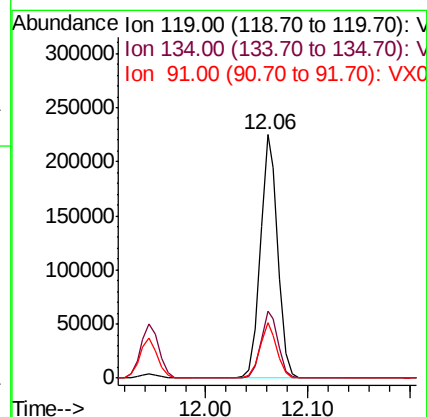
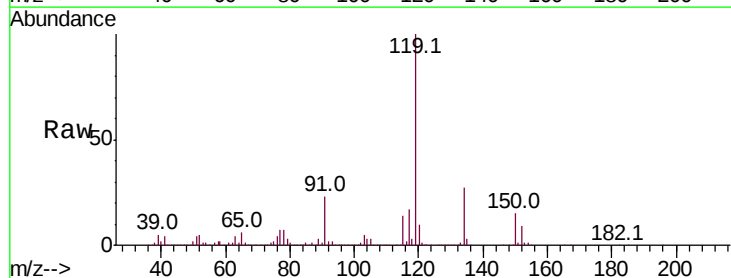
Tgt Ion:119 Resp: 268923

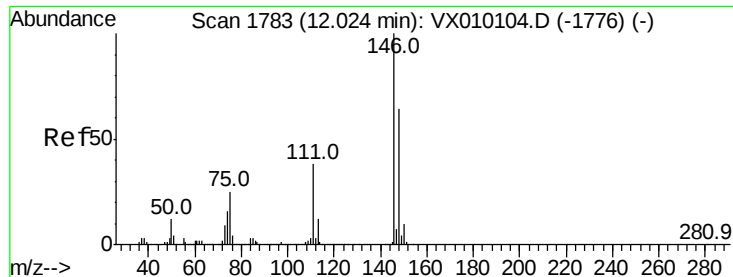
Ion Ratio Lower Upper

119 100

134 27.6 12.9 38.6

91 22.0 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 20.064 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX010329.D

Acq: 17 Jun 2019 17:32

Instrument :

MSVOA_X

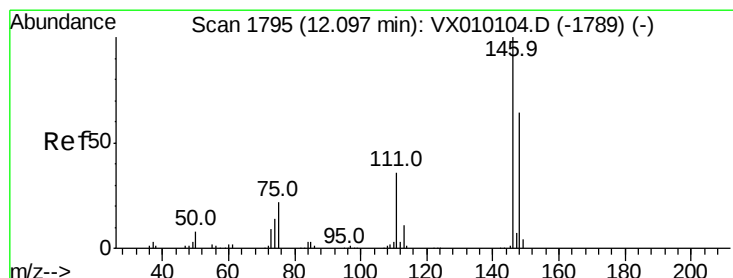
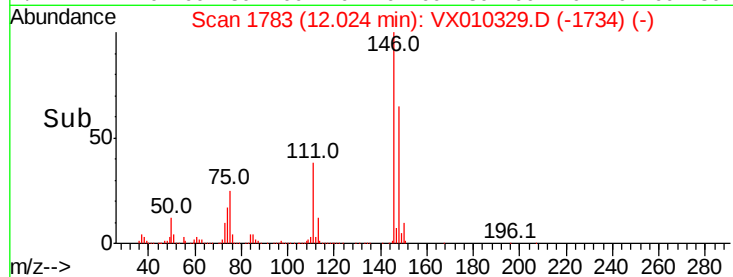
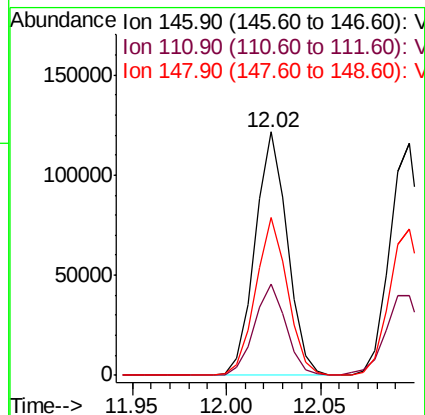
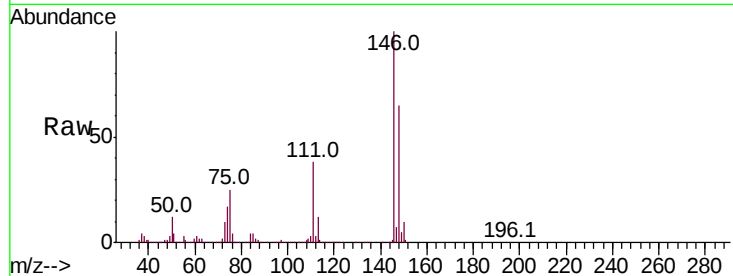
ClientSampleId :

VX0617MBS02

Tot Ion:	146	Resp:	144300
Ion Ratio	Lower	Upper	
146	100		
111	37.0	20.1	60.2
148	64.1	31.9	95.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.771 ug/l

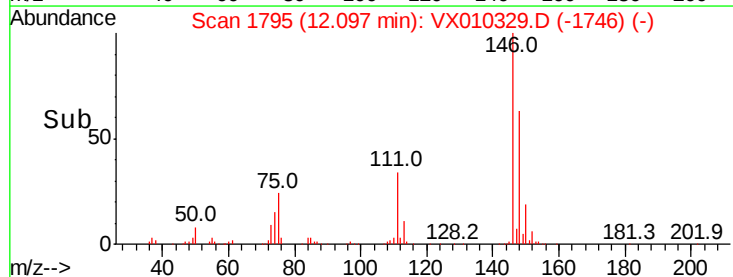
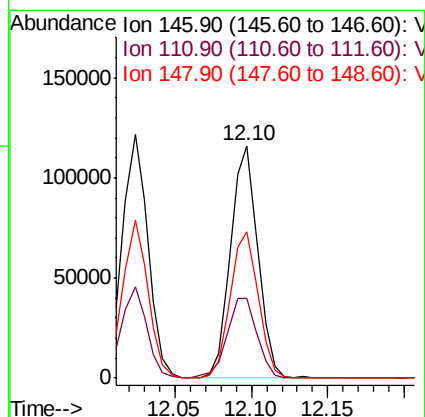
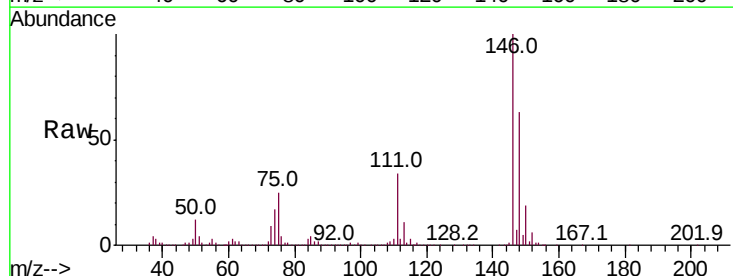
RT: 12.10 min Scan# 1795

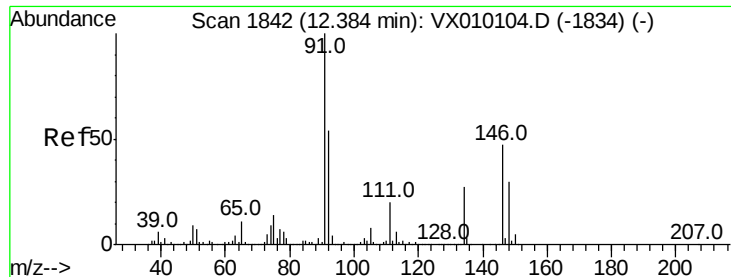
Delta R.T. -0.00 min

Lab File: VX010329.D

Acq: 17 Jun 2019 17:32

Tgt Ion:	146	Resp:	143343
Ion Ratio	Lower	Upper	
146	100		
111	38.0	20.0	59.9
148	64.6	32.3	96.9





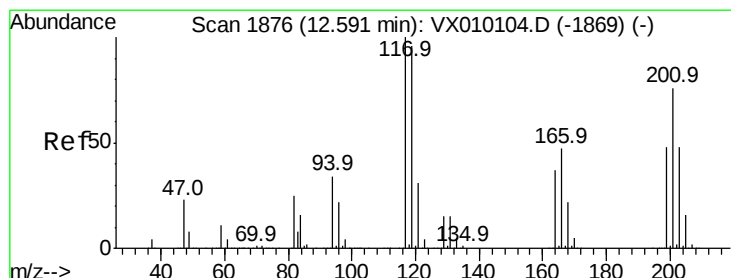
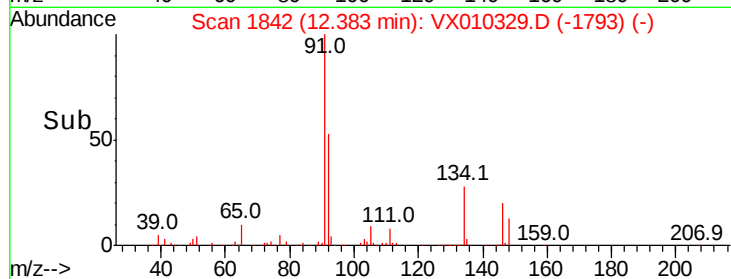
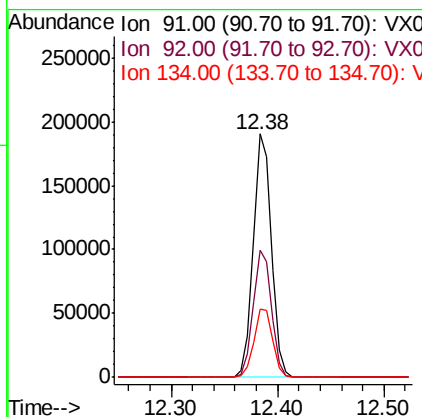
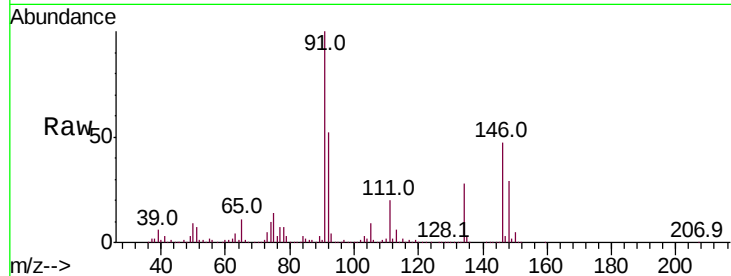
#89
n-Butylbenzene
Concen: 19.622 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010329.D
Acq: 17 Jun 2019 17:32

Instrument :
MSVOA_X
ClientSampleId :
VX0617MBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.3	78.8
134	29.0	12.3	36.8

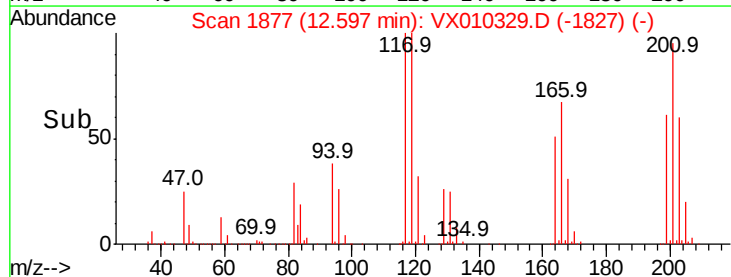
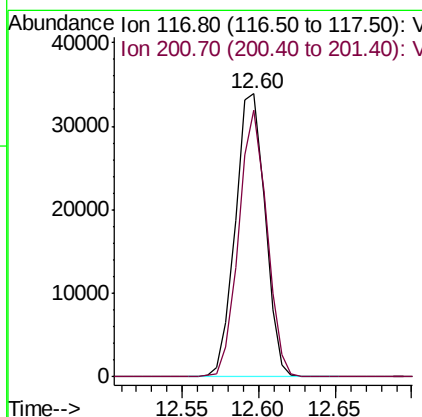
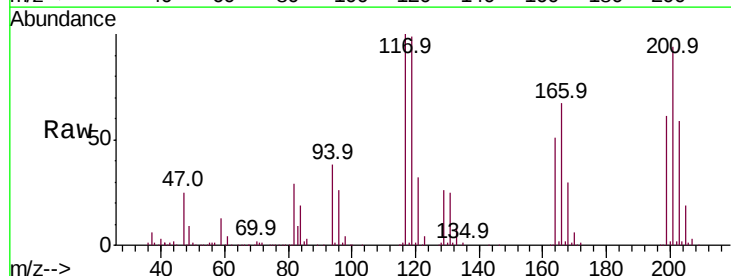
Manual Integrations
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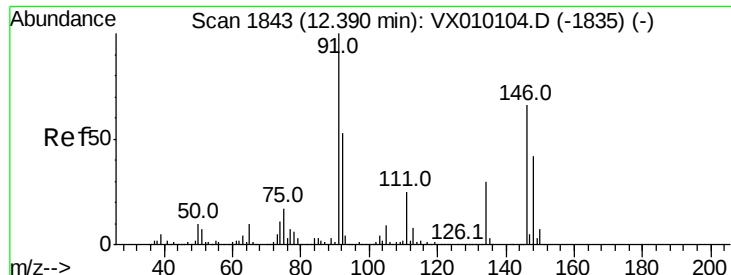
MMDadoda
6/18/2019 11:26:59 AM



#90
Hexachloroethane
Concen: 17.062 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX010329.D
Acq: 17 Jun 2019 17:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.6	43.6	130.9





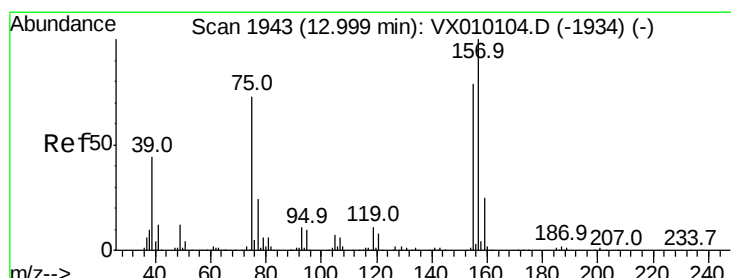
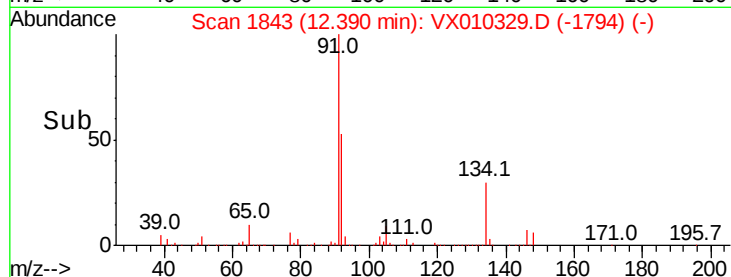
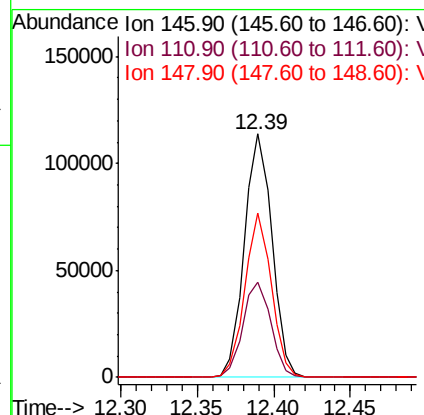
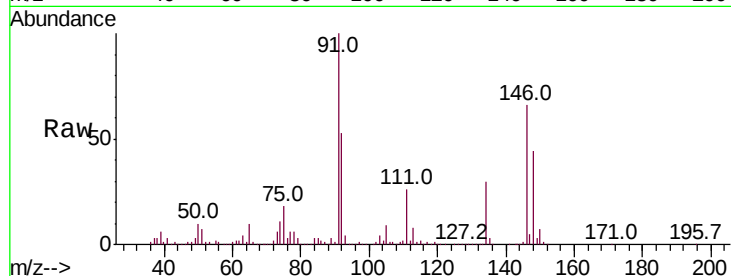
#91
 1,2-Dichlorobenzene
 Concen: 20.424 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX010329.D
 Acq: 17 Jun 2019 17:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0617MBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	142806		
111	39.9	21.1	63.1	
148	64.8	32.3	96.8	

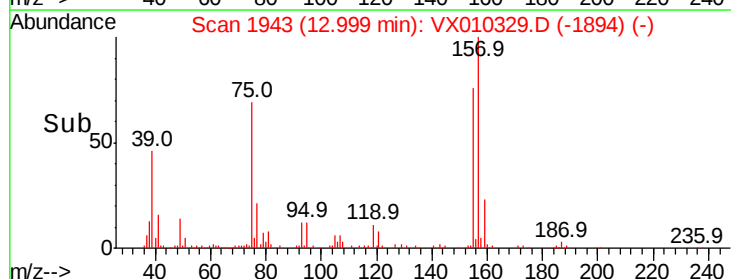
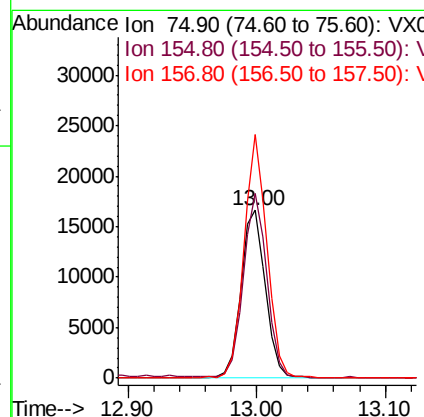
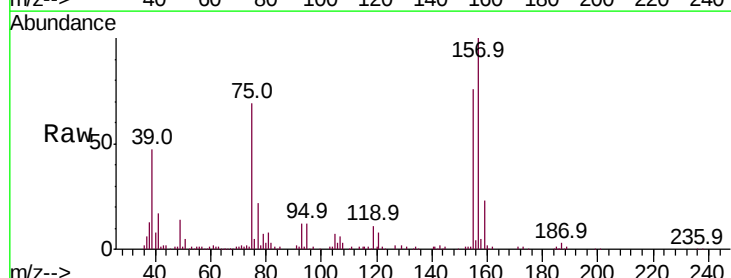
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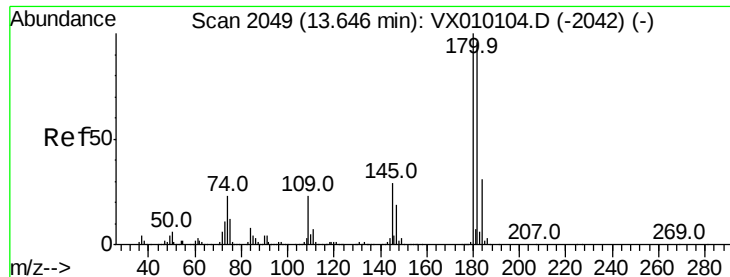
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.254 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX010329.D
 Acq: 17 Jun 2019 17:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	21832		
155	106.8	39.3	117.8	
157	135.4	50.6	151.8	





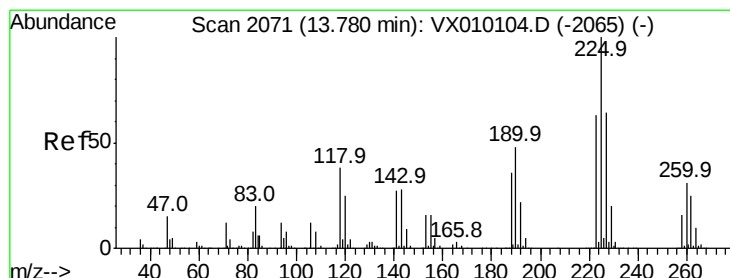
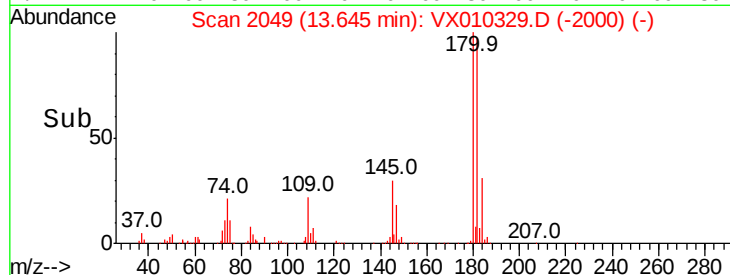
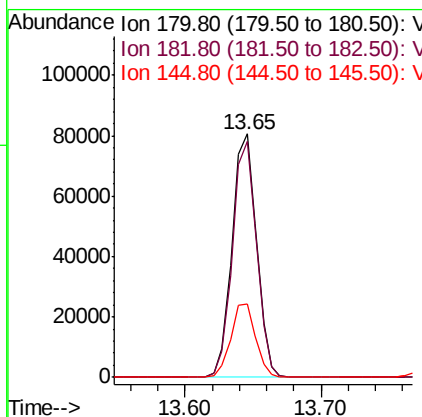
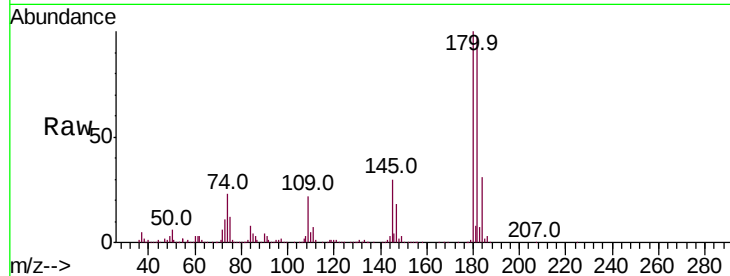
#93
1,2,4-Trichlorobenzene
Concen: 19.754 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX010329.D
Acq: 17 Jun 2019 17:32

Instrument :
MSVOA_X
ClientSampleId :
VX0617MBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	101101		
182	95.6	47.4	142.2	
145	30.6	14.5	43.5	

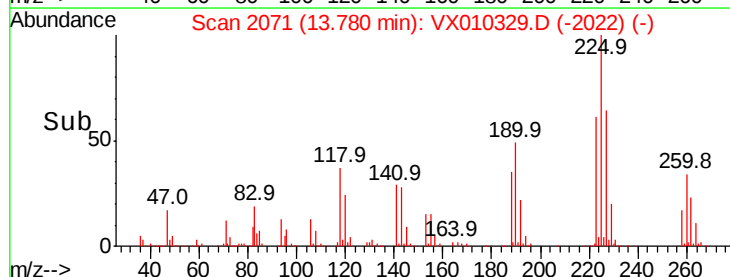
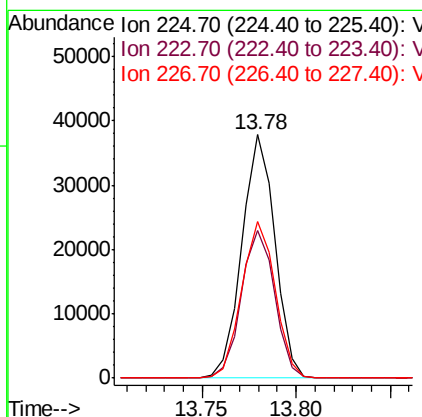
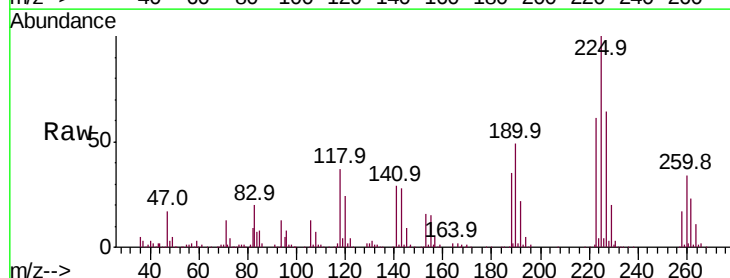
Manual Integrations
APPROVED

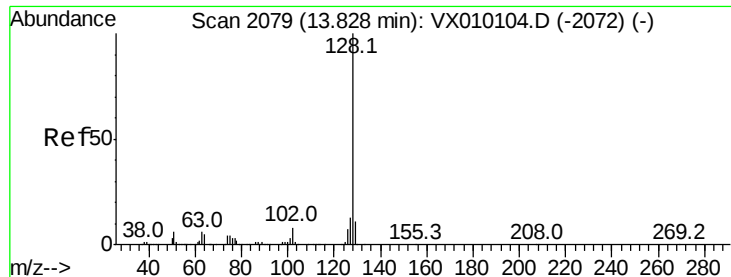
MMDadoda
6/18/2019 11:26:59 AM



#94
Hexachlorobutadiene
Concen: 20.207 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX010329.D
Acq: 17 Jun 2019 17:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	45994		
223	61.4	31.3	93.8	
227	65.6	32.3	96.8	





#95

Naphthalene

Concen: 20.147 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX010329.D

Acq: 17 Jun 2019 17:32

Instrument :

MSVOA_X

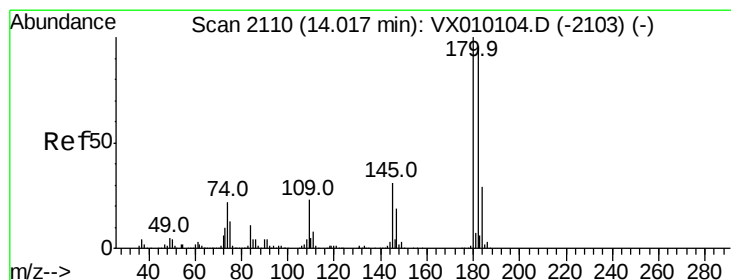
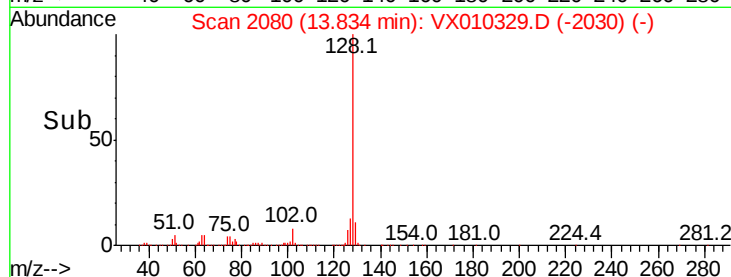
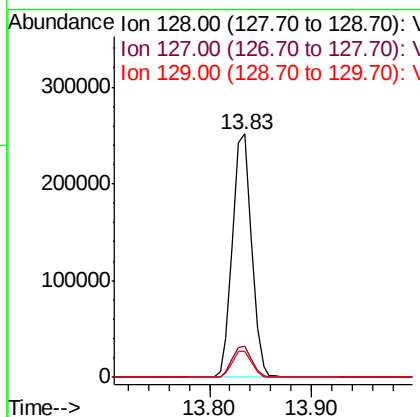
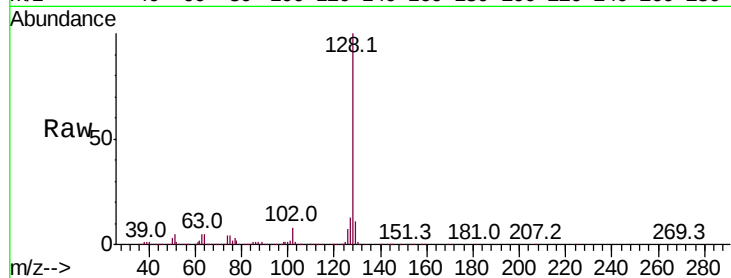
ClientSampleId :

VX0617MBS02

Tot Ion:	128	Resp:	324595
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	16.0
129	10.9	8.8	13.2

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 20.257 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX010329.D

Acq: 17 Jun 2019 17:32

Tgt Ion:	180	Resp:	102511
Ion Ratio	Lower	Upper	
180	100		
182	96.9	47.3	142.0
145	31.0	15.6	46.7

