

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061319\
 Data File : VX010273.D
 Acq On : 13 Jun 2019 15:25
 Operator : JC/SP
 Sample : VX0613MBS01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613MBS01

Manual Integrations
 APPROVED

MMDadoda
 6/14/2019 9:17:35 AM

Quant Time: Jun 14 03:54:39 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	5.66	168	269159	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	410651	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	371682	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	191579	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	132726	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
35) Dibromofluoromethane	5.50	113	132131	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
50) Toluene-d8	8.71	98	496441	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
62) 4-Bromofluorobenzene	11.13	95	178200	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	50760	20.495	ug/l	98
3) Chloromethane	1.33	50	48086	19.550	ug/l	99
4) Vinyl Chloride	1.41	62	51141	22.123	ug/l	98
5) Bromomethane	1.64	94	25331	29.038	ug/l	99
6) Chloroethane	1.72	64	30695	26.336	ug/l	100
7) Trichlorofluoromethane	1.93	101	79226	23.072	ug/l	98
8) Diethyl Ether	2.19	74	28634	24.194	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	2.39	101	46401	19.603	ug/l	92
10) Methyl Iodide	2.51	142	67488	18.402	ug/l	97
11) Tert butyl alcohol	3.04	59	75947	118.001	ug/l	98
12) 1,1-Dichloroethene	2.37	96	46581	19.267	ug/l #	77
13) Acrolein	2.29	56	9630	82.057	ug/l	96
14) Allyl chloride	2.73	41	66764	18.295	ug/l #	87
15) Acrylonitrile	3.14	53	136442	103.716	ug/l	99
16) Acetone	2.44	43	117117	94.776	ug/l #	87
17) Carbon Disulfide	2.57	76	116299	16.648	ug/l	99
18) Methyl Acetate	2.78	43	56590	20.823	ug/l #	84
19) Methyl tert-butyl Ether	3.20	73	151501	19.506	ug/l	93
20) Methylene Chloride	2.86	84	52080	19.190	ug/l #	77
21) trans-1,2-Dichloroethene	3.17	96	49106	18.354	ug/l #	78
22) Diisopropyl ether	3.85	45	141564	20.289	ug/l #	93
23) Vinyl Acetate	3.81	43	617528	99.209	ug/l #	88
24) 1,1-Dichloroethane	3.70	63	82139	19.389	ug/l #	92
25) 2-Butanone	4.67	43	188319	102.341	ug/l #	85
26) 2,2-Dichloropropane	4.59	77	63359	16.394	ug/l	92
27) cis-1,2-Dichloroethene	4.60	96	59451	19.974	ug/l	76
28) Bromochloromethane	5.02	49	36037	18.981	ug/l #	51
29) Tetrahydrofuran	5.13	42	120035	103.798	ug/l #	76
30) Chloroform	5.21	83	86223	19.598	ug/l	98
31) Cyclohexane	5.59	56	72901	19.067	ug/l #	79
32) 1,1,1-Trichloroethane	5.49	97	78100	18.883	ug/l	94
36) 1,1-Dichloropropene	5.80	75	61138	18.249	ug/l	91
37) Ethyl Acetate	4.84	43	68476	19.644	ug/l #	90
38) Carbon Tetrachloride	5.79	117	69257	18.263	ug/l	95

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 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)
39) Methylcyclohexane	7.46	83	81415	17.846	ug/l #	80
40) Benzene	6.14	78	203942	19.686	ug/l	99
41) Methacrylonitrile	5.04	41	36456	19.334	ug/l #	82
42) 1,2-Dichloroethane	6.20	62	63739	19.272	ug/l	93
43) Isopropyl Acetate	6.45	43	113325	19.444	ug/l #	89
44) Trichloroethene	7.21	130	59758	19.137	ug/l	87
45) 1,2-Dichloropropane	7.51	63	51717	19.945	ug/l	97
46) Dibromomethane	7.66	93	36904	18.997	ug/l	91
47) Bromodichloromethane	7.90	83	67875	18.699	ug/l	98
48) Methyl methacrylate	7.77	41	52473	19.251	ug/l #	76
49) 1,4-Dioxane	7.74	88	31041	399.424	ug/l #	82
51) 4-Methyl-2-Pentanone	8.64	43	367572	105.568	ug/l	89
52) Toluene	8.78	92	132548	19.464	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	72338	17.229	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	80736	17.937	ug/l #	87
55) 1,1,2-Trichloroethane	9.21	97	55804	20.009	ug/l	97
56) Ethyl methacrylate	9.18	69	84788	19.246	ug/l #	81
57) 1,3-Dichloropropane	9.37	76	84799	19.313	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	185666	89.396	ug/l #	86
59) 2-Hexanone	9.49	43	287212	103.458	ug/l	88
60) Dibromochloromethane	9.58	129	61390	18.609	ug/l	99
61) 1,2-Dibromoethane	9.67	107	59855	19.270	ug/l	100
64) Tetrachloroethene	9.34	164	58532	21.203	ug/l	95
65) Chlorobenzene	10.13	112	151203	19.710	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	57125	19.364	ug/l	99
67) Ethyl Benzene	10.25	91	251356	19.248	ug/l	94
68) m/p-Xylenes	10.36	106	197283	39.039	ug/l	89
69) o-Xylene	10.69	106	97452	19.400	ug/l	89
70) Styrene	10.71	104	163417	19.208	ug/l	95
71) Bromoform	10.85	173	48981	18.061	ug/l #	100
73) Isopropylbenzene	11.02	105	259287	19.388	ug/l	96
74) N-amyl acetate	10.90	43	99522	18.826	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.27	83	88482	19.328	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	71926m	18.770	ug/l	
77) Bromobenzene	11.26	156	70721	19.230	ug/l	80
78) n-propylbenzene	11.36	91	279265	18.757	ug/l	94
79) 2-Chlorotoluene	11.42	91	165348	18.491	ug/l	90
80) 1,3,5-Trimethylbenzene	11.51	105	212788	18.891	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	28740	16.571	ug/l	87
82) 4-Chlorotoluene	11.51	91	192173	18.919	ug/l	91
83) tert-Butylbenzene	11.77	119	215076	18.865	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	214899	18.888	ug/l	97
85) sec-Butylbenzene	11.94	105	249721	18.801	ug/l	95
86) p-Isopropyltoluene	12.06	119	231176	19.039	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	125857	19.429	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	124667	19.091	ug/l	98
89) n-Butylbenzene	12.38	91	192046	18.374	ug/l	97
90) Hexachloroethane	12.60	117	41292	17.071	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	127484	20.243	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19114	17.743	ug/l	67

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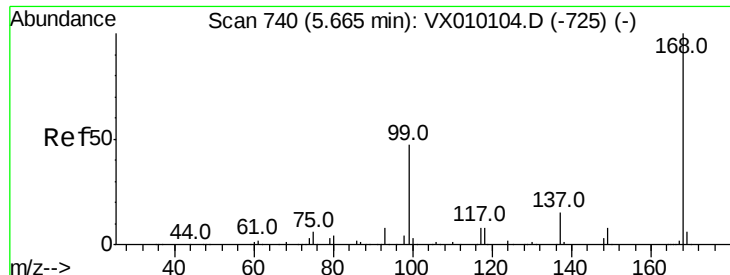
Manual Integrations
APPROVED

MMDadoda
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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)
93) 1,2,4-Trichlorobenzene	13.65	180	86266	18.713	ug/l	99
94) Hexachlorobutadiene	13.78	225	40602	19.804	ug/l	99
95) Naphthalene	13.83	128	279913	19.289	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	86413	18.959	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010273.D

Acq: 13 Jun 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

VX0613MBS01

Tot Ion:168 Resp: 269159

Ion Ratio Lower Upper

168 100

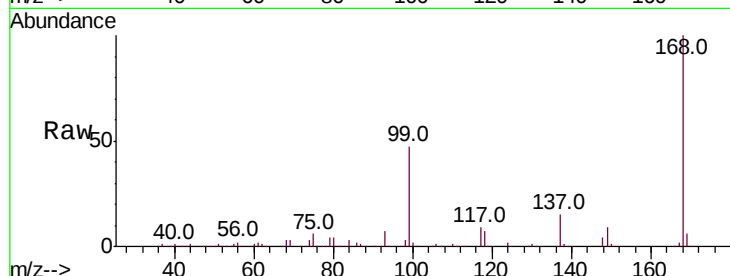
99 46.6 43.0 64.6

Manual Integrations

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6/14/2019 9:17:35 AM



Abundance Ion 167.90 (167.60 to 168.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

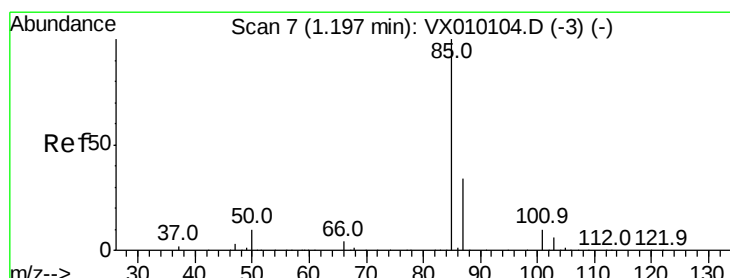
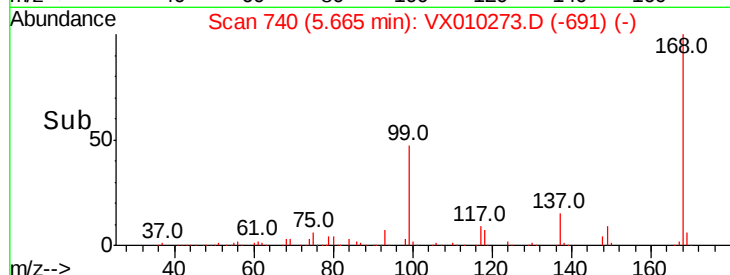
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.495 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX010273.D

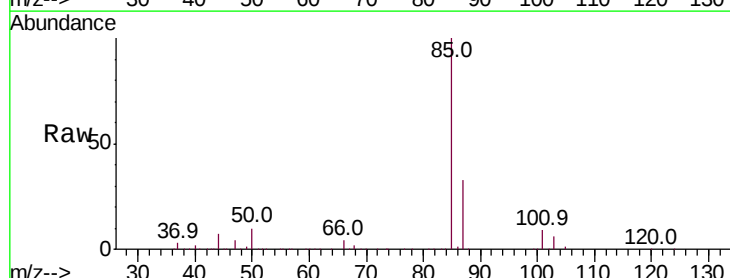
Acq: 13 Jun 2019 15:25

Tgt Ion: 85 Resp: 50760

Ion Ratio Lower Upper

85 100

87 33.4 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

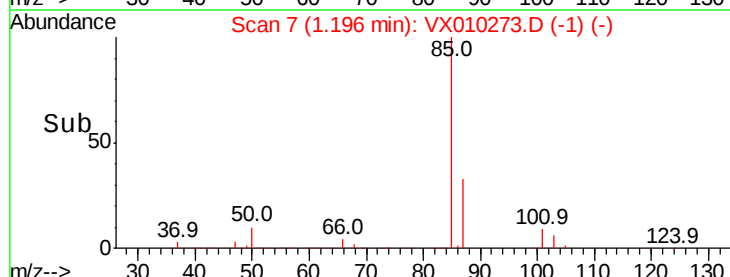
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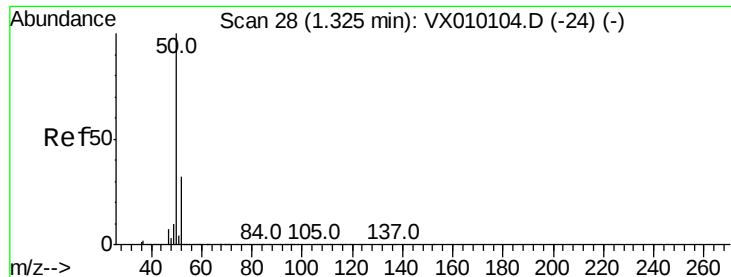
20000

10000

0

Time-->





#3

Chloromethane

Concen: 19.550 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010273.D

Acq: 13 Jun 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

VX0613MBS01

Tot Ion: 50 Resp: 48086

Ion Ratio Lower Upper

50 100

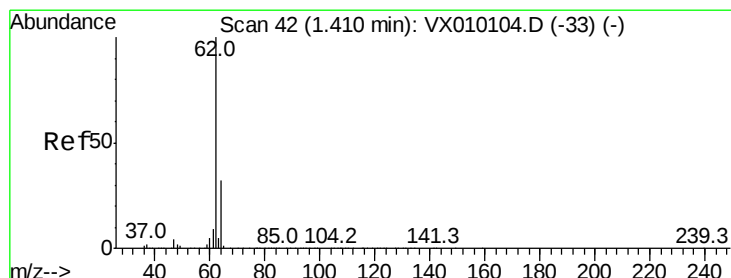
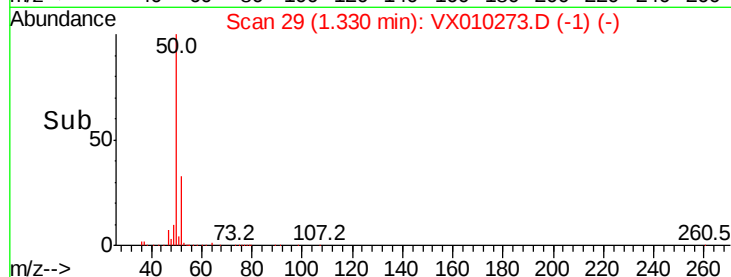
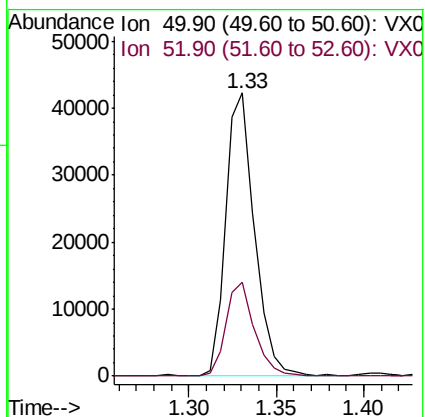
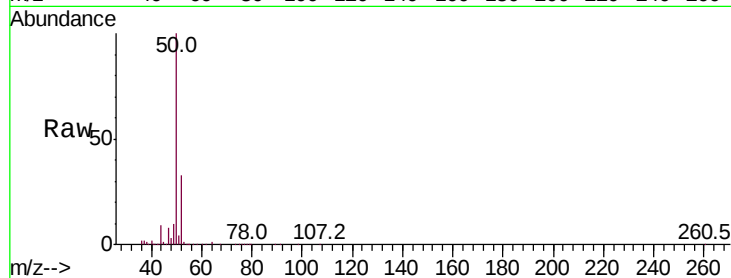
52 33.1 26.0 39.0

Manual Integrations

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6/14/2019 9:17:35 AM



#4

Vinyl Chloride

Concen: 22.123 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010273.D

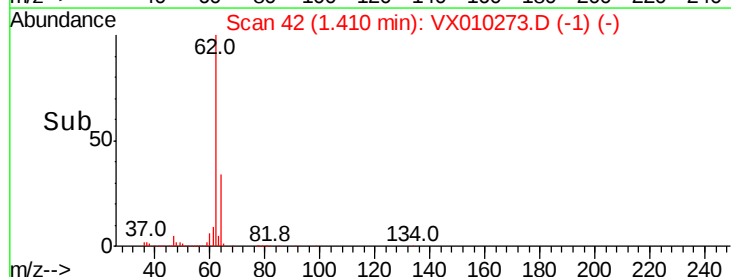
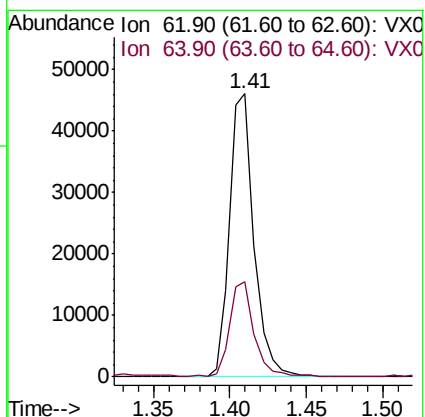
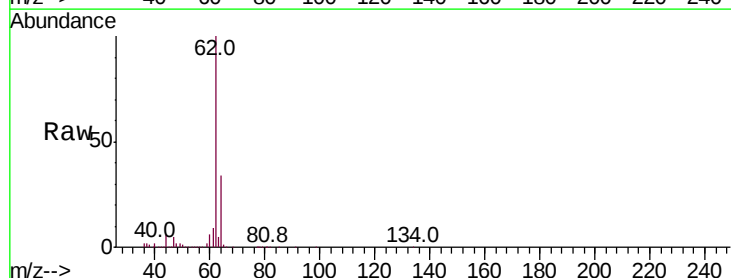
Acq: 13 Jun 2019 15:25

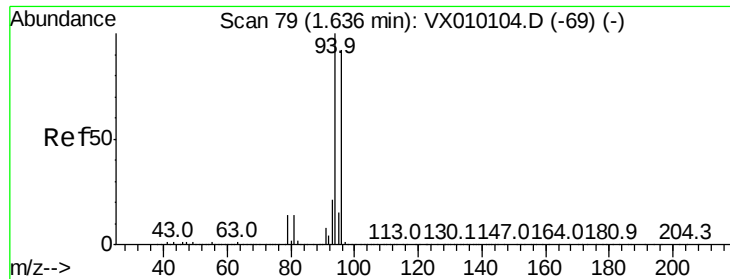
Tgt Ion: 62 Resp: 51141

Ion Ratio Lower Upper

62 100

64 33.4 25.7 38.5





#5

Bromomethane

Concen: 29.038 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX010273.D

Acq: 13 Jun 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

VX0613MBS01

Tot Ion: 94 Resp: 25331

Ion Ratio Lower Upper

94 100

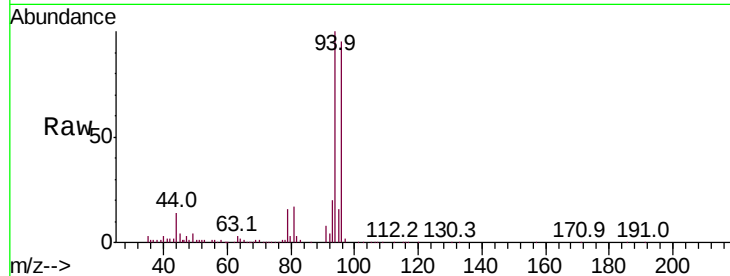
96 94.2 76.2 114.4

Manual Integrations

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6/14/2019 9:17:35 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

25000

20000

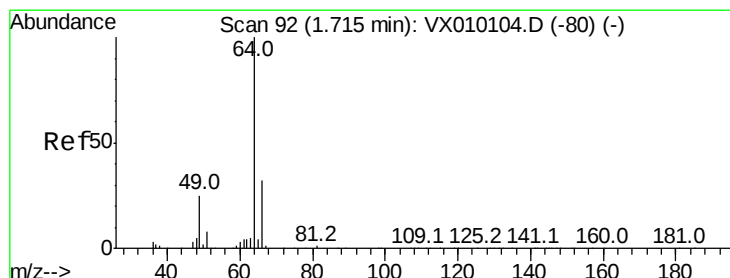
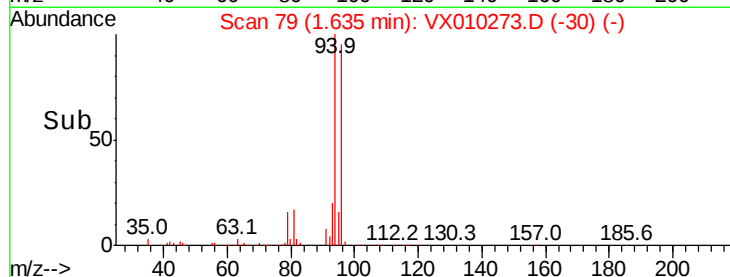
15000

10000

5000

0

Time--> 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 26.336 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010273.D

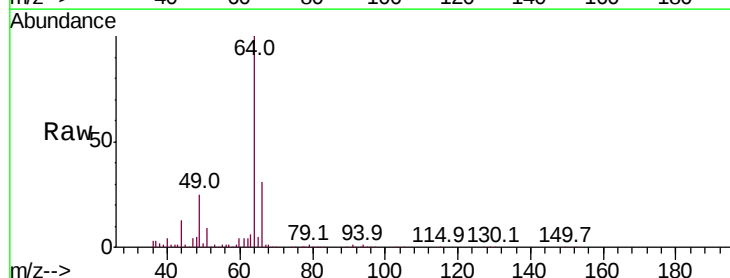
Acq: 13 Jun 2019 15:25

Tgt Ion: 64 Resp: 30695

Ion Ratio Lower Upper

64 100

66 31.6 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

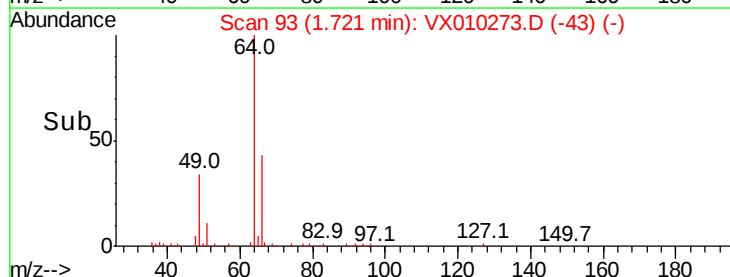
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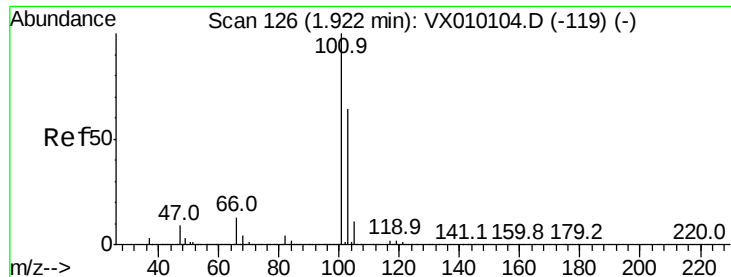
10000

5000

0

Time--> 1.65 1.70 1.75 1.80





#7

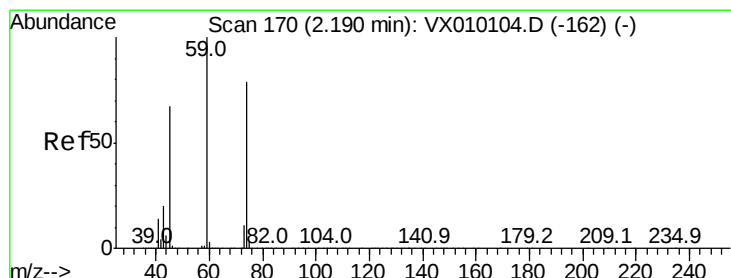
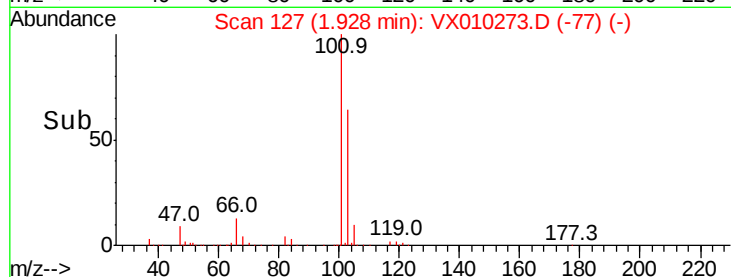
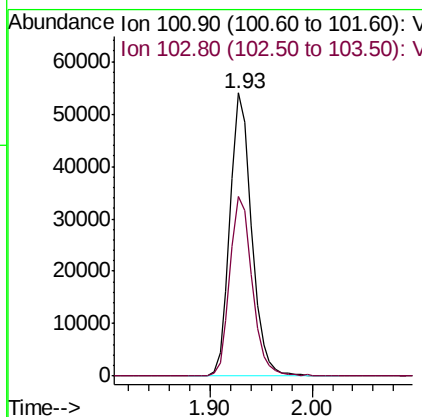
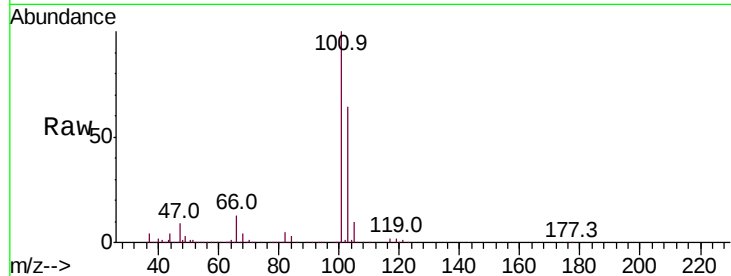
Trichlorofluoromethane
Concen: 23.072 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX010273.D
Acq: 13 Jun 2019 15:25

Instrument :
MSVOA_X
ClientSampleId :
VX0613MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	52.2	78.4

Manual Integrations
APPROVED

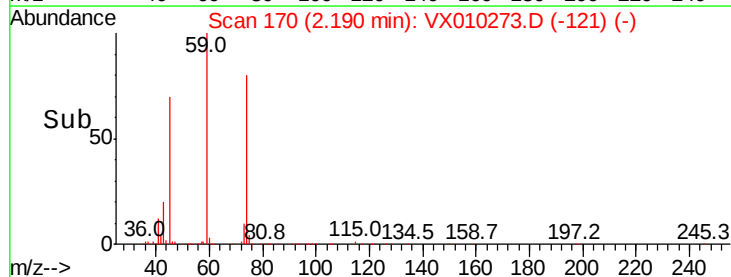
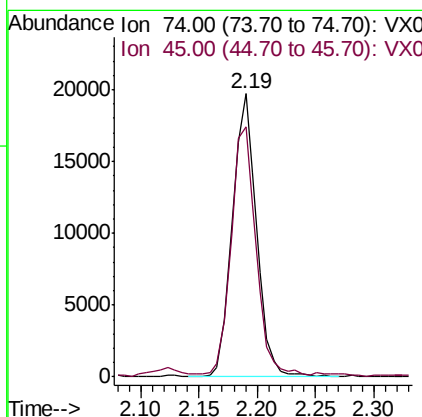
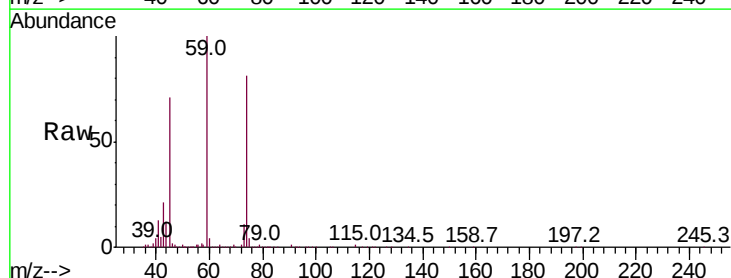
MMDadoda
6/14/2019 9:17:35 AM

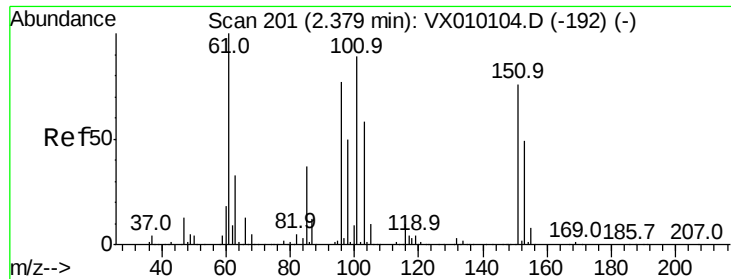


#8

Diethyl Ether
Concen: 24.194 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX010273.D
Acq: 13 Jun 2019 15:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.1	56.1	168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.603 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX010273.D

Acq: 13 Jun 2019 15:25

Instrument :

MSVOA_X

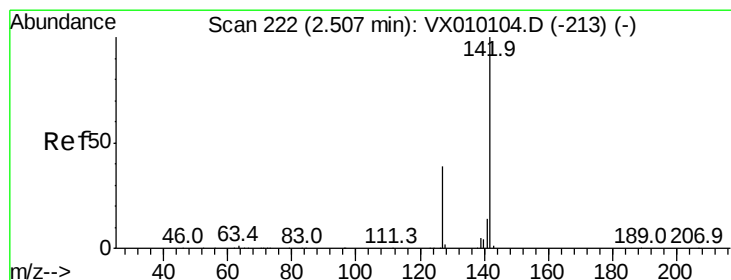
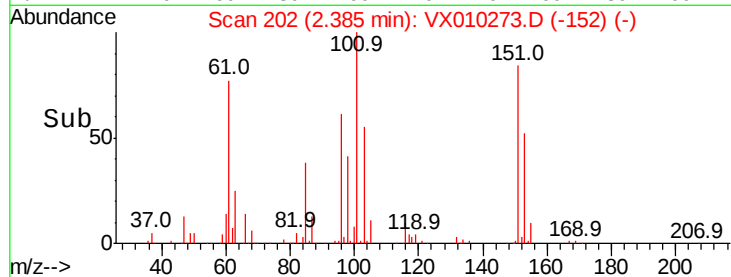
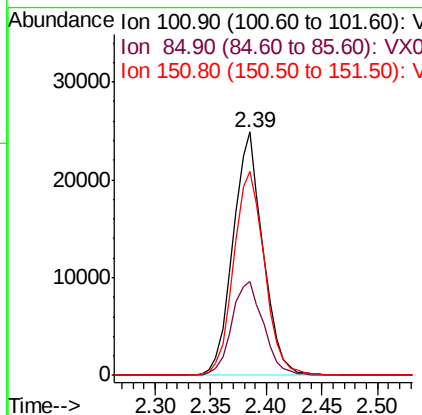
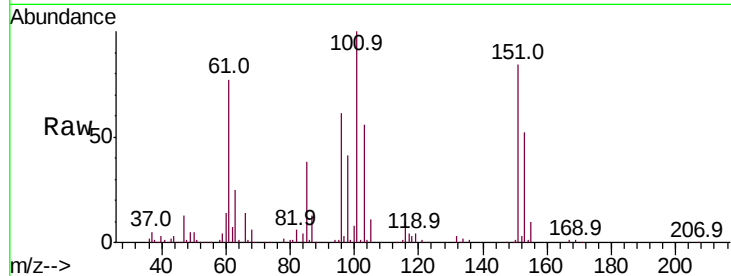
ClientSampleId :

VX0613MBS01

Tot Ion:	101	Resp:	46401
Ion Ratio	Lower	Upper	
101	100		
85	40.8	35.2	52.8
151	86.4	61.9	92.9

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#10

Methyl Iodide

Concen: 18.402 ug/l

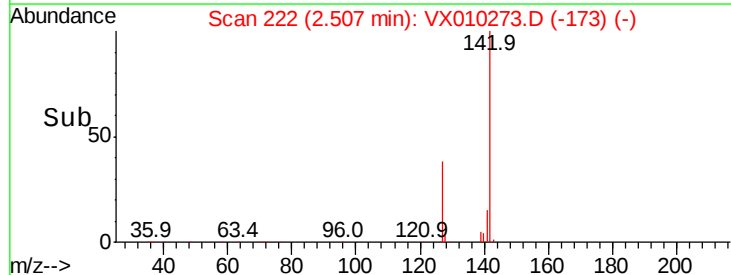
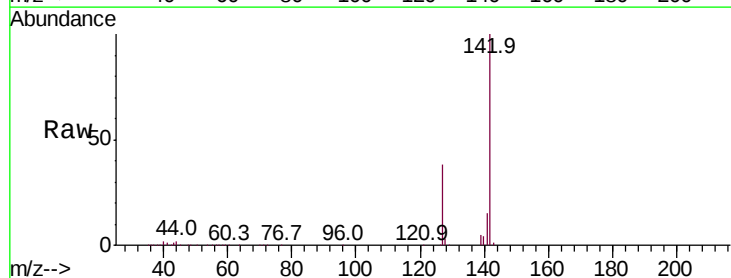
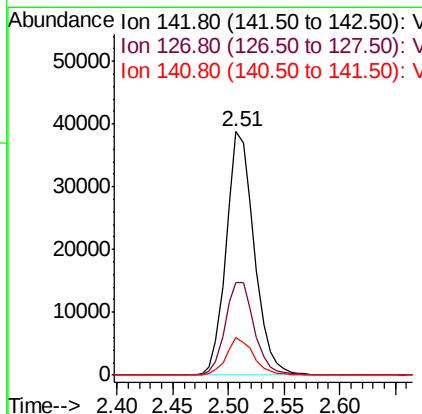
RT: 2.51 min Scan# 222

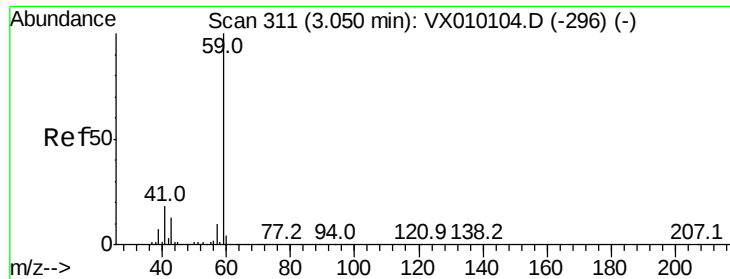
Delta R.T. -0.00 min

Lab File: VX010273.D

Acq: 13 Jun 2019 15:25

Tgt Ion:	142	Resp:	67488
Ion Ratio	Lower	Upper	
142	100		
127	39.4	33.0	49.4
141	14.7	11.4	17.0





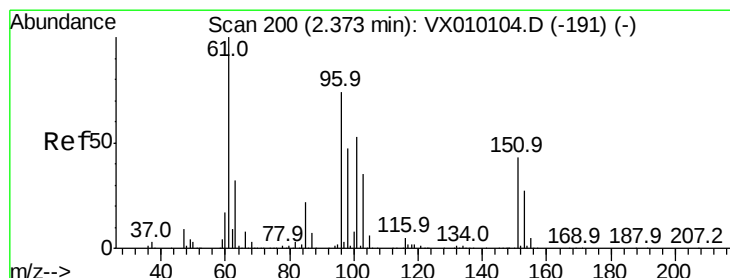
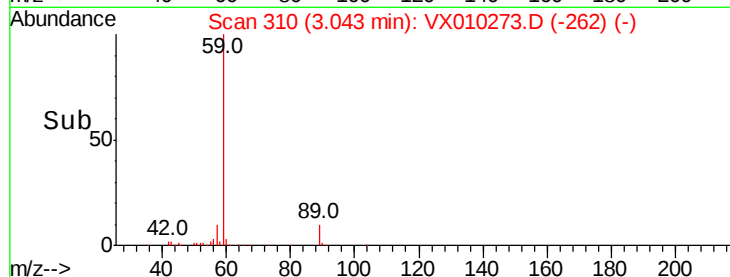
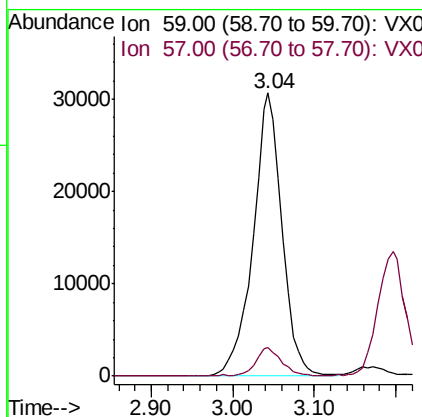
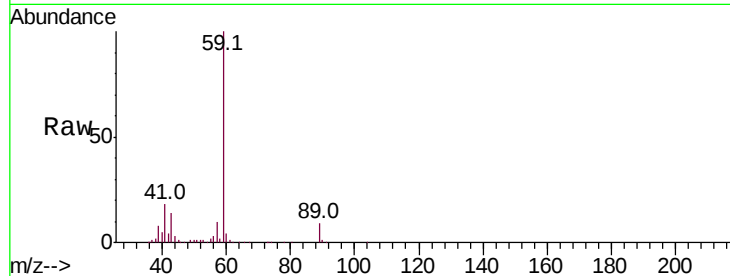
#11
Tert butyl alcohol
Concen: 118.001 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010273.D
Acq: 13 Jun 2019 15:25

Instrument :
MSVOA_X
ClientSampleId :
VX0613MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.4	8.2	12.2

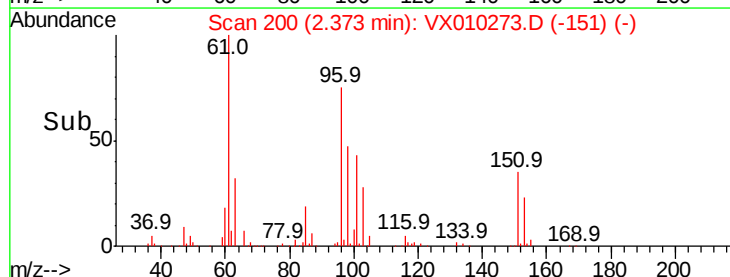
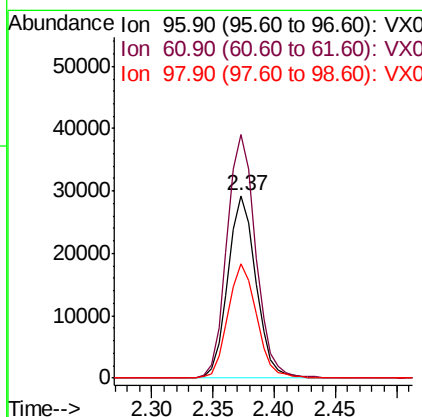
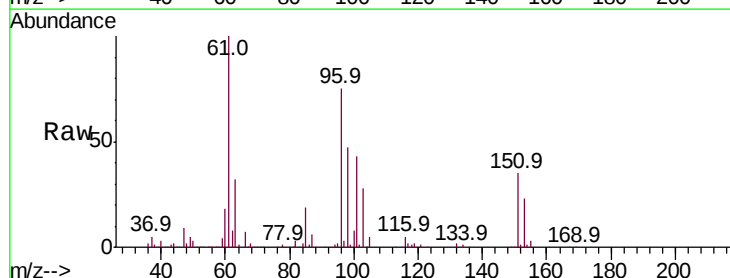
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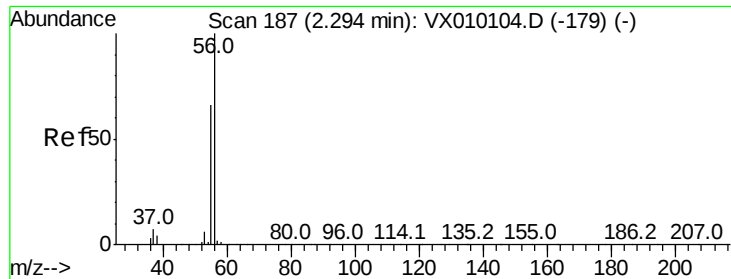
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.267 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX010273.D
Acq: 13 Jun 2019 15:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	133.3	140.7	211.1#
98	62.8	50.1	75.1





#13

Acrolein

Concen: 82.057 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010273.D

Acq: 13 Jun 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

VX0613MBS01

Tot Ion: 56 Resp: 9630

Ion Ratio Lower Upper

56 100

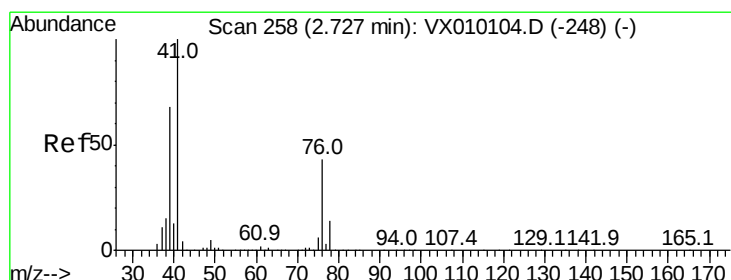
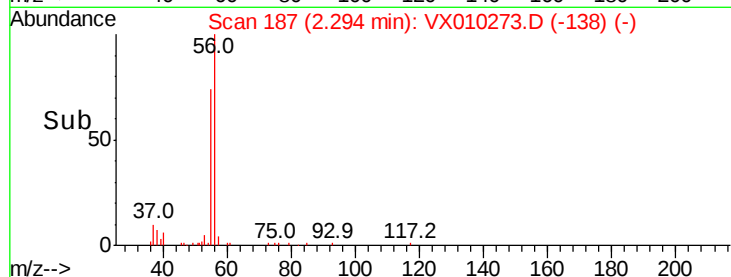
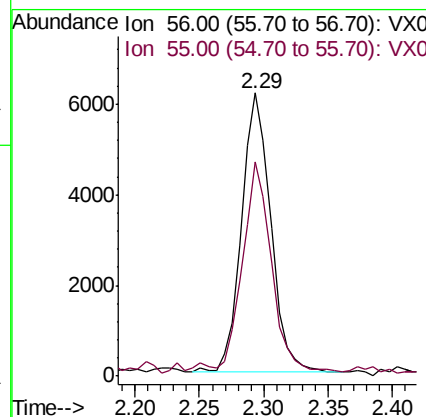
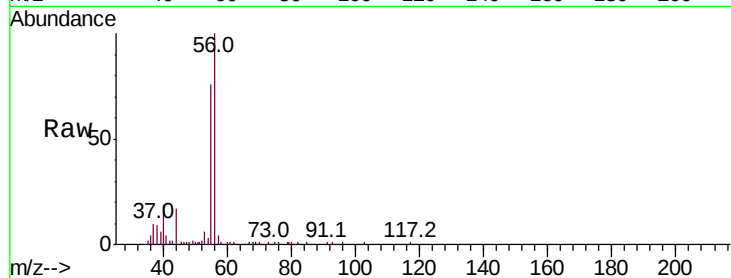
55 74.3 57.0 85.4

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#14

Allyl chloride

Concen: 18.295 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX010273.D

Acq: 13 Jun 2019 15:25

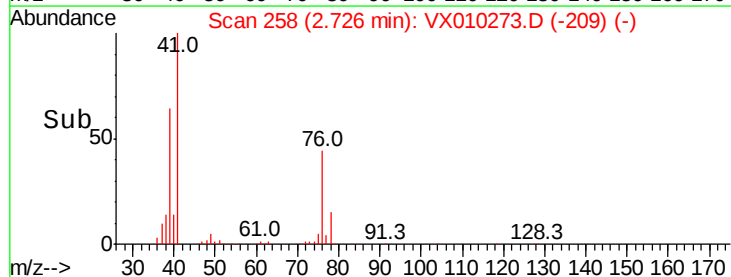
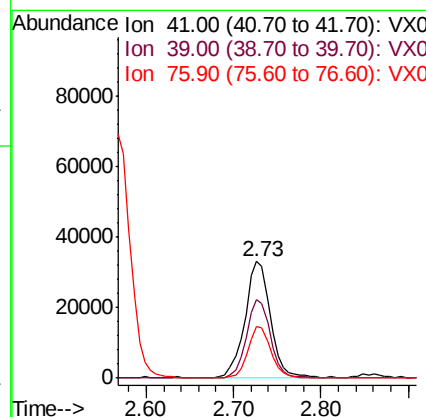
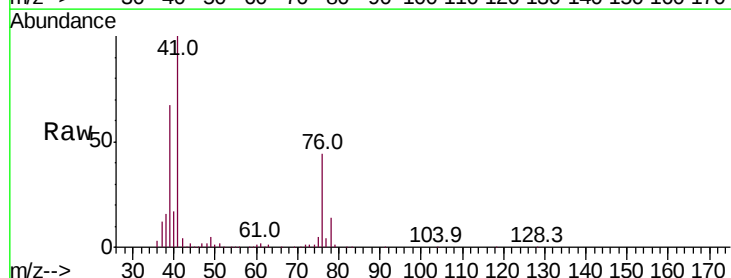
Tgt Ion: 41 Resp: 66764

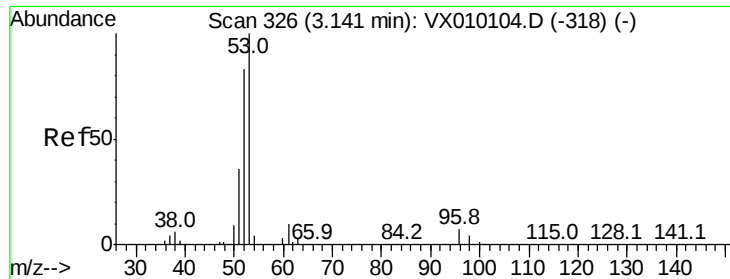
Ion Ratio Lower Upper

41 100

39 63.3 46.7 70.1

76 39.9 21.0 31.4#





#15

Acrylonitrile

Concen: 103.716 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX010273.D

Acq: 13 Jun 2019 15:25

Instrument :

MSVOA_X

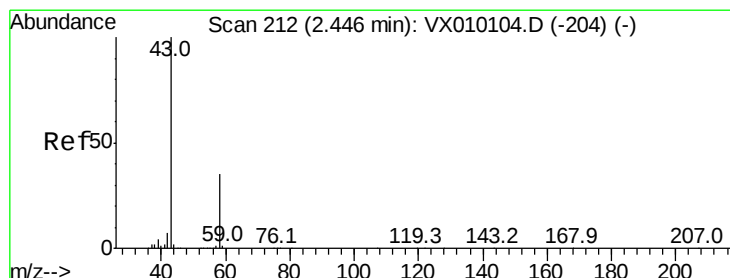
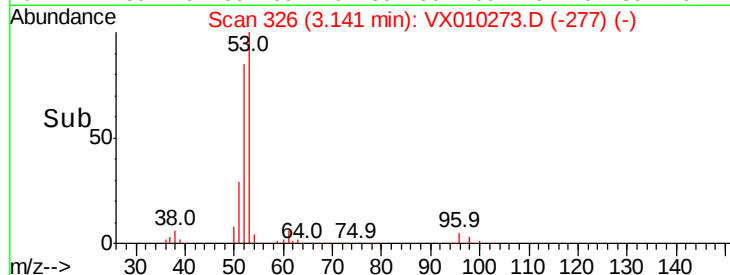
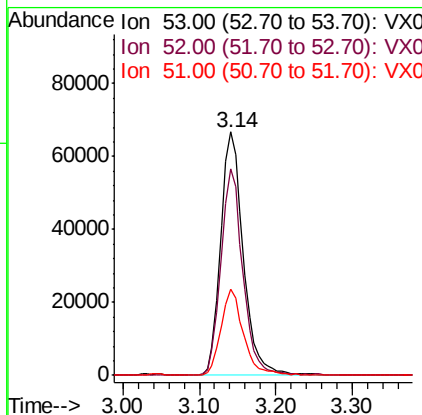
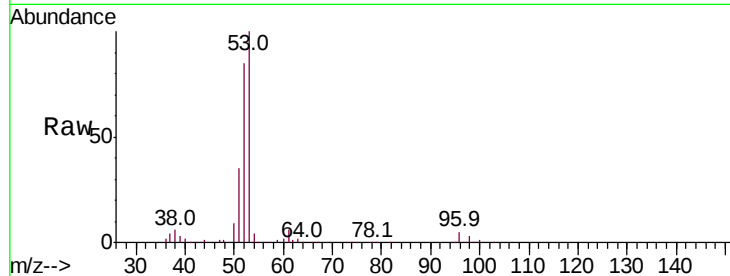
ClientSampleId :

VX0613MBS01

Tot Ion:	53	Resp:	136442
Ion Ratio	Lower	Upper	
53	100		
52	82.3	66.7	100.1
51	35.0	28.8	43.2

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#16

Acetone

Concen: 94.776 ug/l

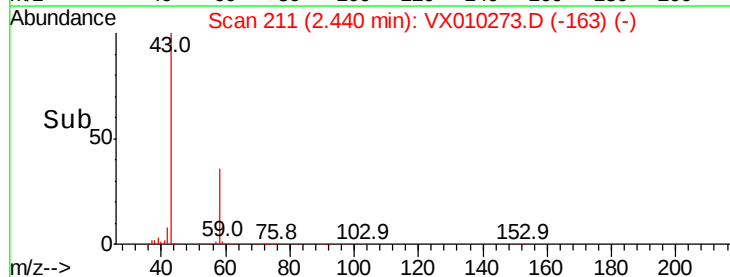
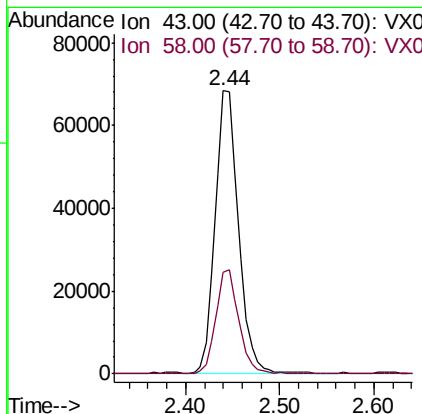
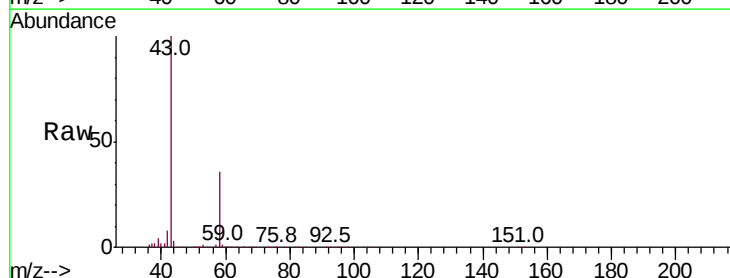
RT: 2.44 min Scan# 211

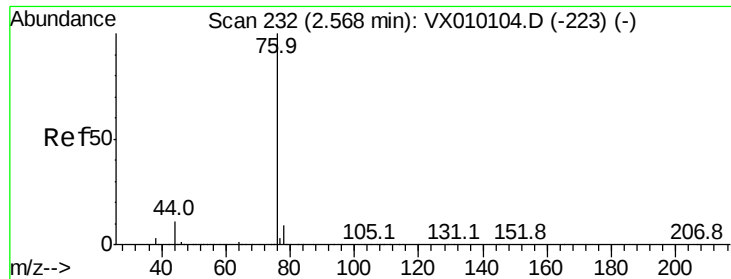
Delta R.T. -0.01 min

Lab File: VX010273.D

Acq: 13 Jun 2019 15:25

Tgt Ion:	43	Resp:	117117
Ion Ratio	Lower	Upper	
43	100		
58	35.8	23.2	34.8#





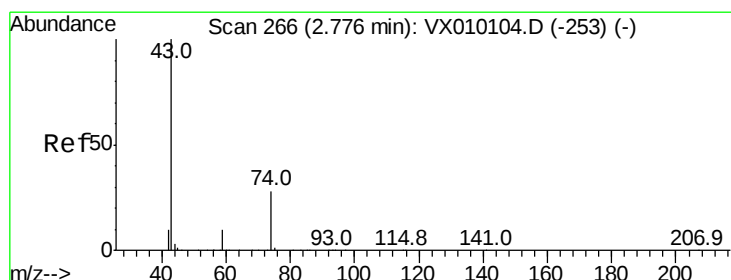
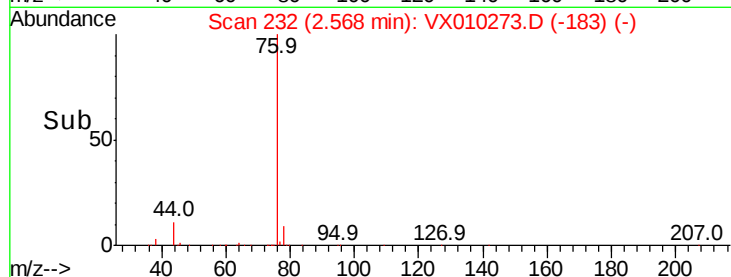
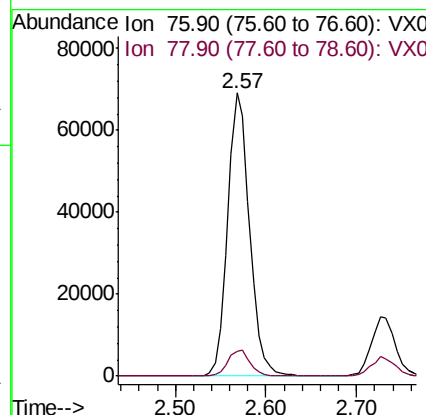
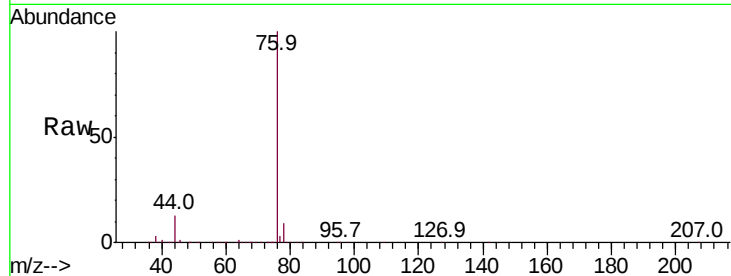
#17
Carbon Disulfide
Concen: 16.648 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX010273.D
Acq: 13 Jun 2019 15:25

Instrument :
MSVOA_X
ClientSampleId :
VX0613MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.6

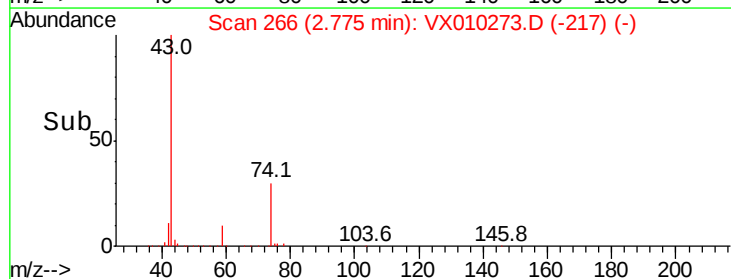
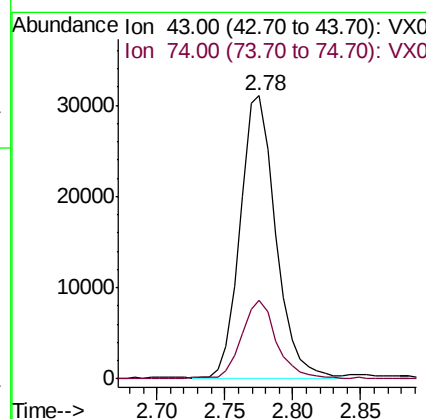
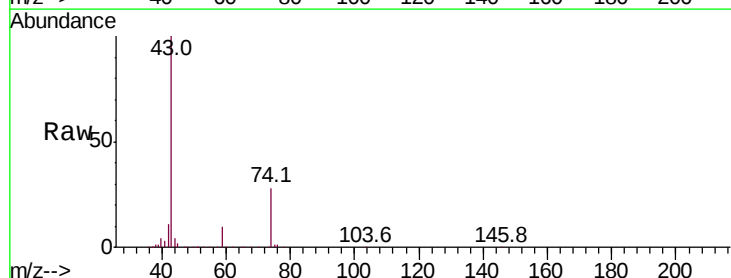
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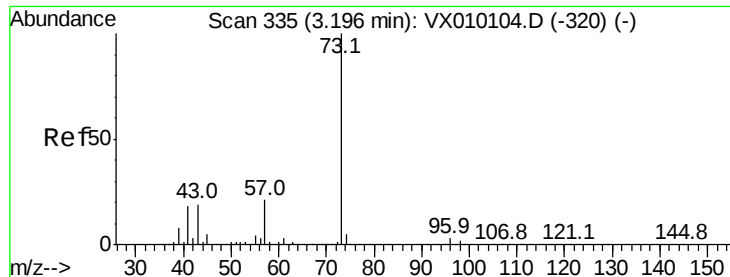
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#18
Methyl Acetate
Concen: 20.823 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX010273.D
Acq: 13 Jun 2019 15:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.0	15.8	23.6#





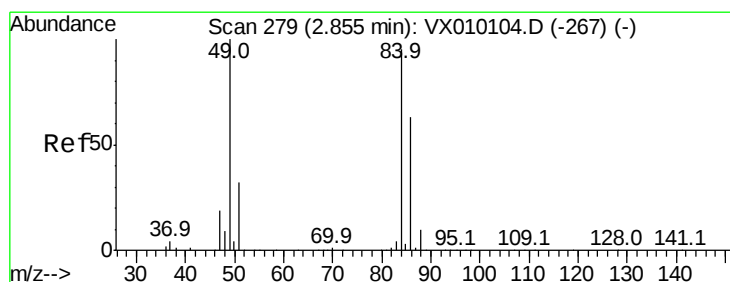
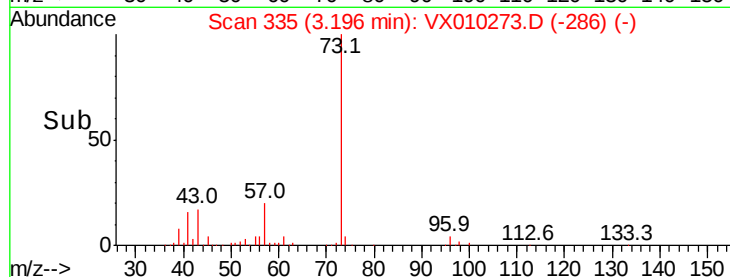
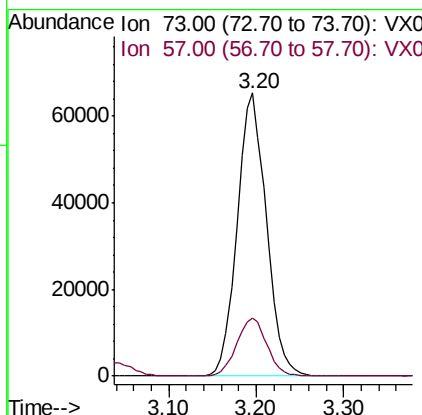
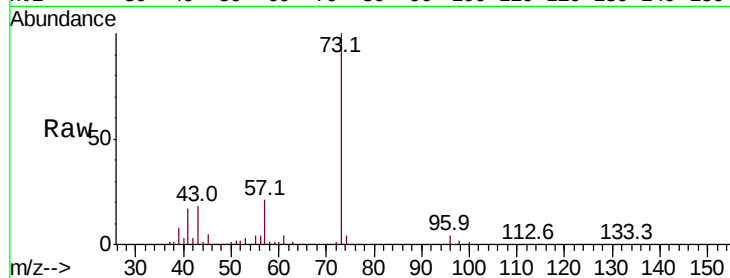
#19
Methyl tert-butyl Ether
Concen: 19.506 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX010273.D
Acq: 13 Jun 2019 15:25

Instrument :
MSVOA_X
ClientSampleId :
VX0613MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.6	19.4	29.2

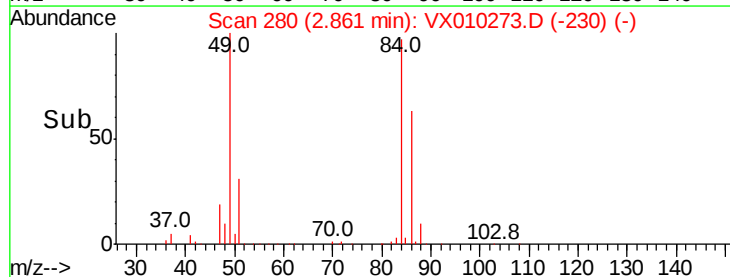
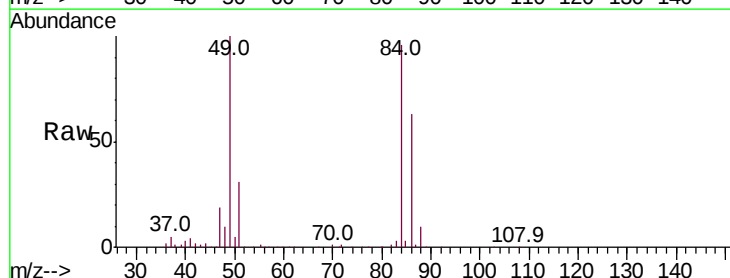
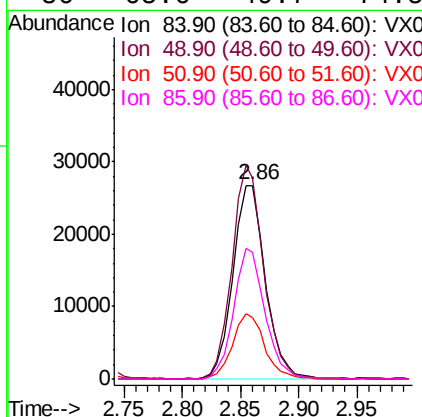
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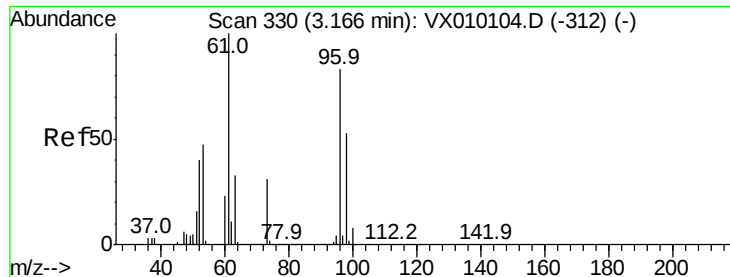
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#20
Methylene Chloride
Concen: 19.190 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX010273.D
Acq: 13 Jun 2019 15:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	103.3	115.8	173.6#
51	32.0	34.4	51.6#
86	65.6	49.7	74.5





#21

trans-1,2-Dichloroethene

Concen: 18.354 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX010273.D

Acq: 13 Jun 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

VX0613MBS01

Tot Ion: 96 Resp: 49106

Ion Ratio Lower Upper

96 100

61 118.9 125.7 188.5#

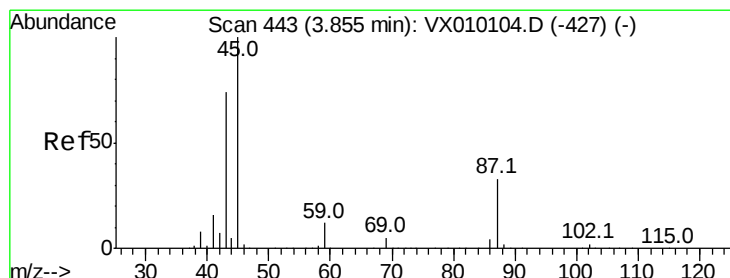
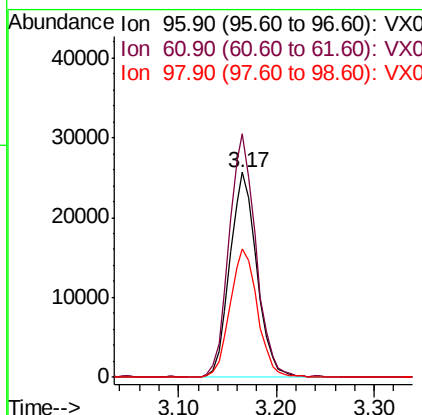
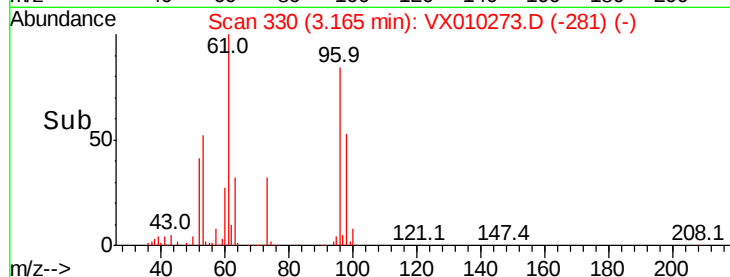
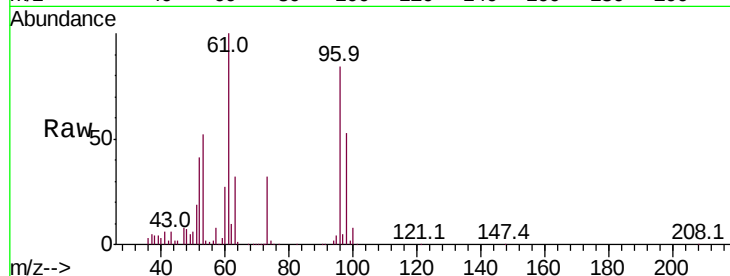
98 62.8 49.0 73.6

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#22

Diisopropyl ether

Concen: 20.289 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX010273.D

Acq: 13 Jun 2019 15:25

Tgt Ion: 45 Resp: 141564

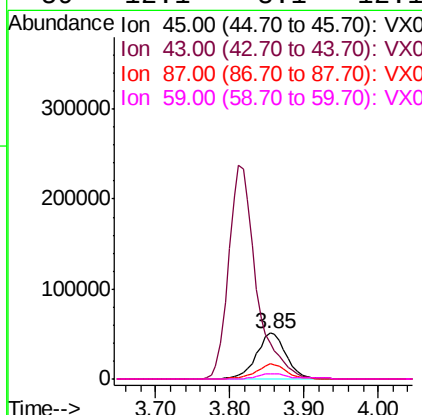
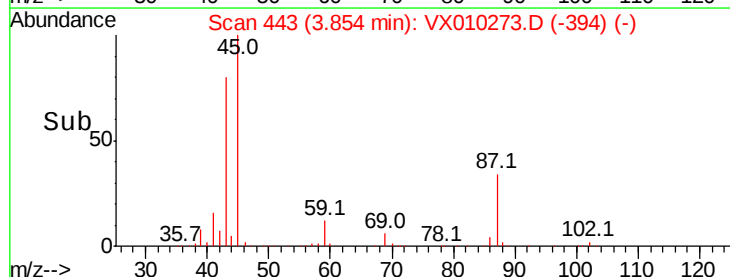
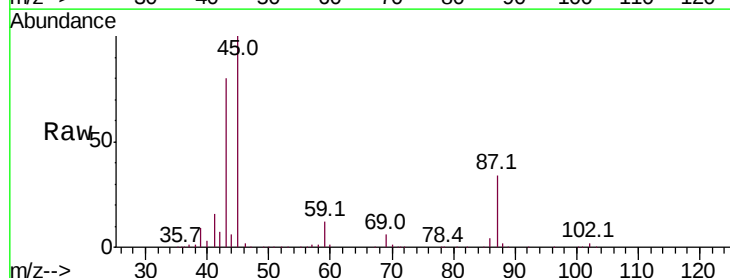
Ion Ratio Lower Upper

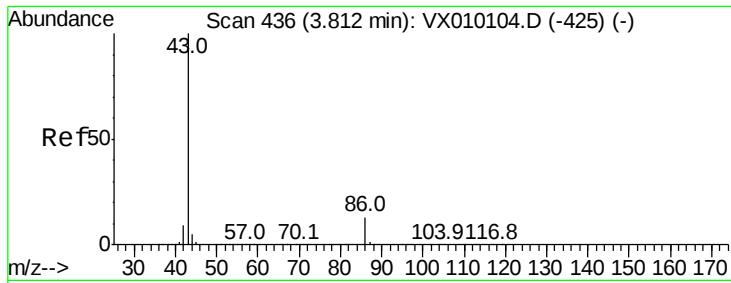
45 100

43 79.7 65.0 97.4

87 34.0 17.3 25.9#

59 12.1 8.1 12.1





#23

Vinyl Acetate

Concen: 99.209 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX010273.D

Acq: 13 Jun 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

VX0613MBS01

Tot Ion: 43 Resp: 617528

Ion Ratio Lower Upper

43 100

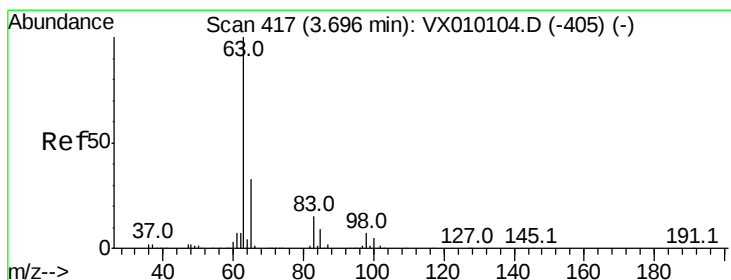
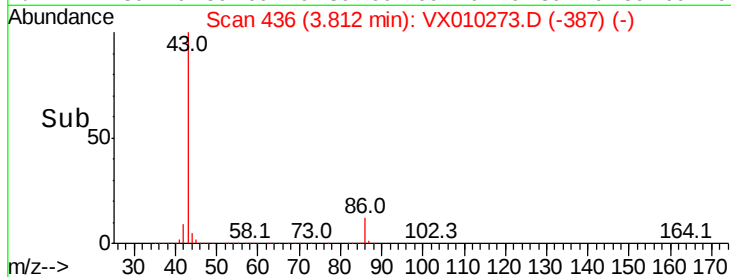
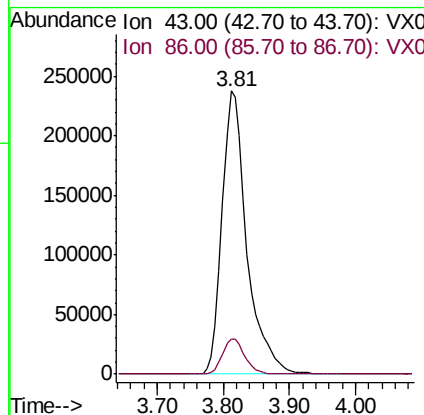
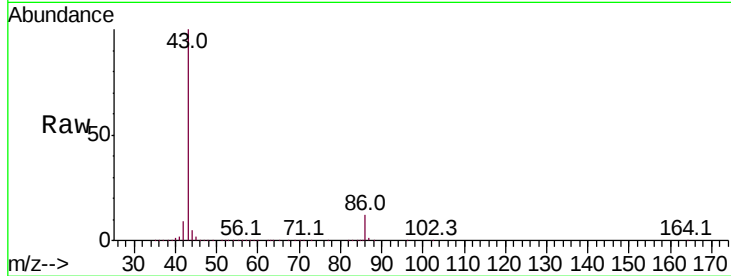
86 12.3 6.5 9.7#

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#24

1,1-Dichloroethane

Concen: 19.389 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010273.D

Acq: 13 Jun 2019 15:25

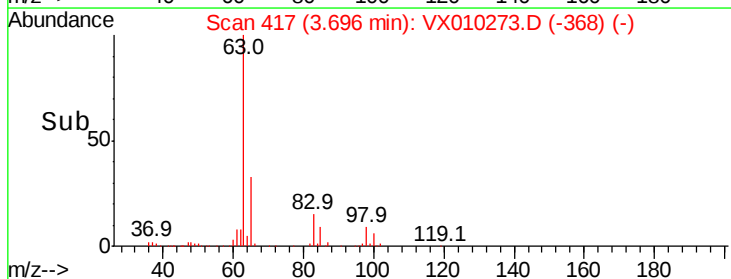
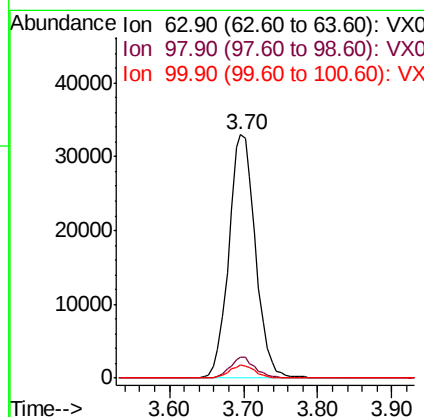
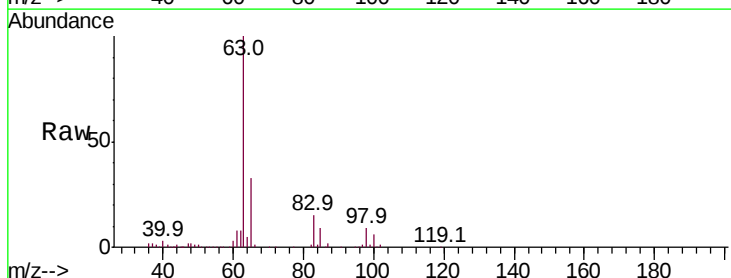
Tgt Ion: 63 Resp: 82139

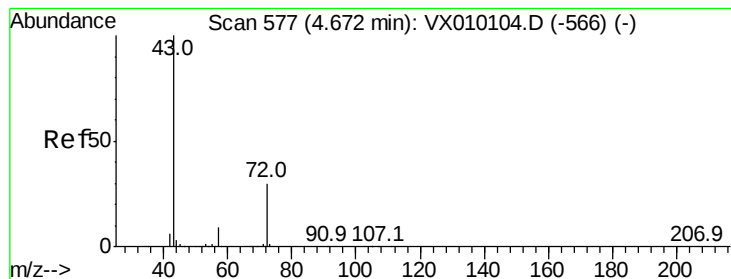
Ion Ratio Lower Upper

63 100

98 8.8 2.9 8.8

100 5.6 1.8 5.4#





#25

2-Butanone

Concen: 102.341 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX010273.D

Acq: 13 Jun 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

VX0613MBS01

Tot Ion: 43 Resp: 188319

Ion Ratio Lower Upper

43 100

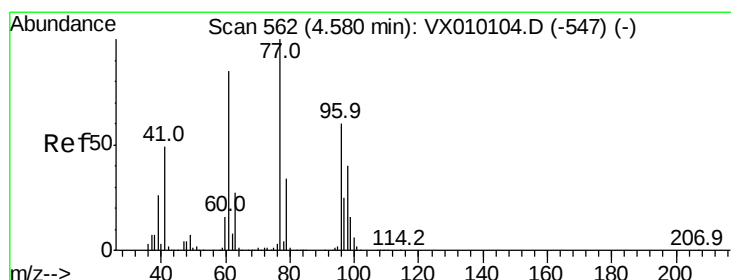
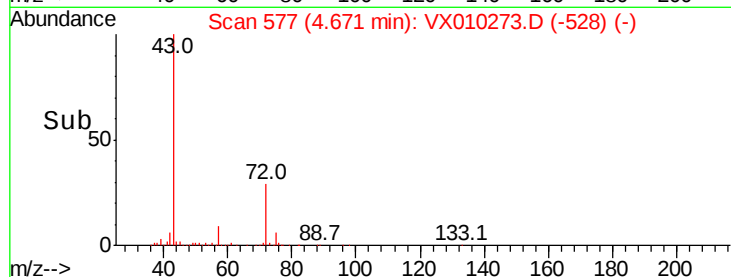
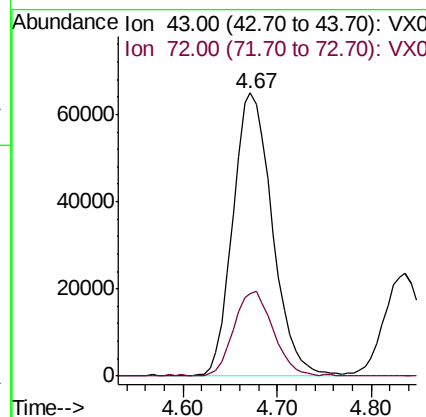
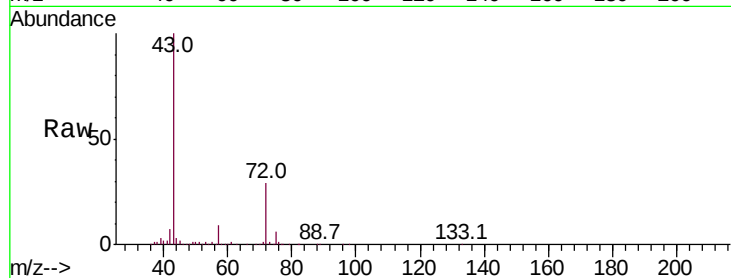
72 28.9 17.5 26.3#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 16.394 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX010273.D

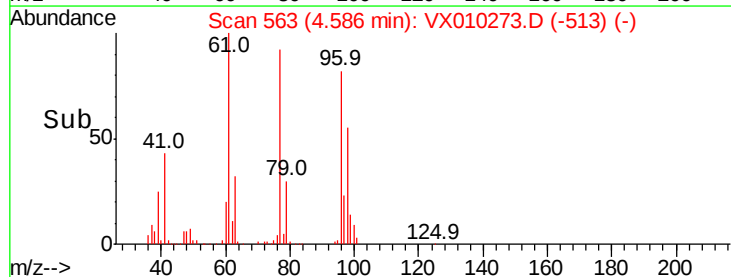
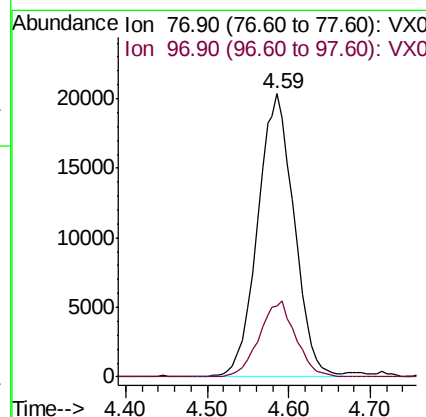
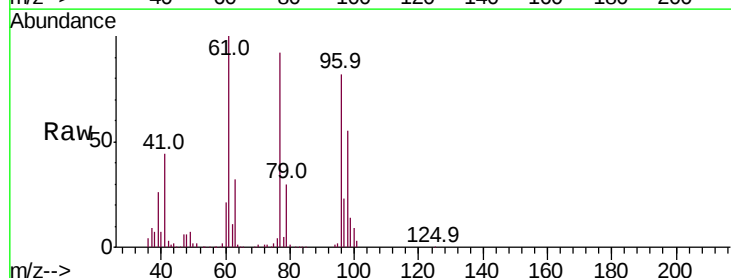
Acq: 13 Jun 2019 15:25

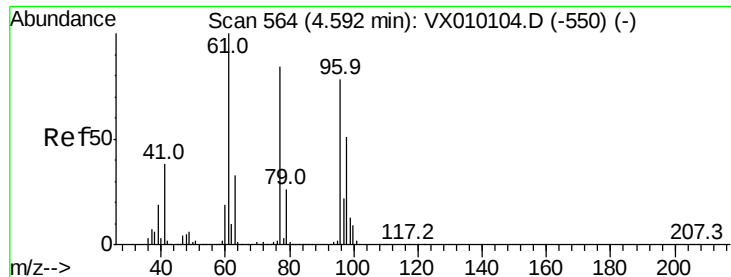
Tgt Ion: 77 Resp: 63359

Ion Ratio Lower Upper

77 100

97 26.5 11.4 34.2





#27

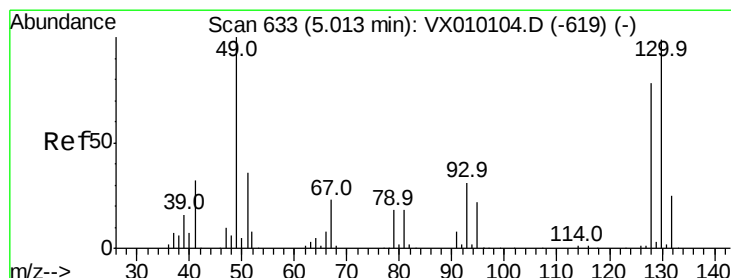
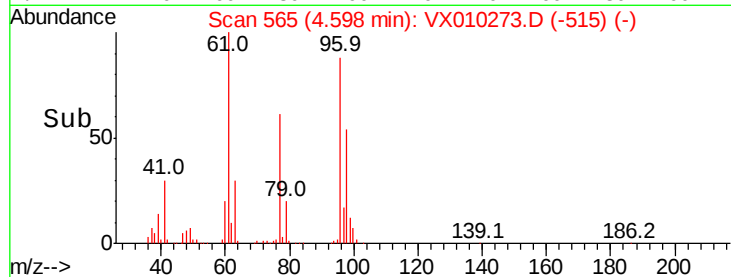
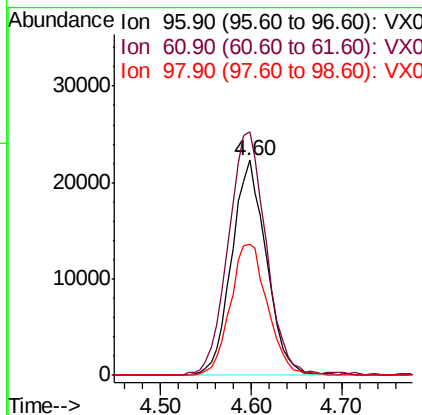
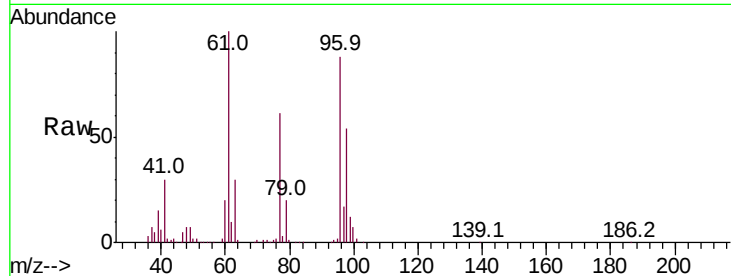
cis-1,2-Dichloroethene
Concen: 19.974 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX010273.D
Acq: 13 Jun 2019 15:25

Instrument :
MSVOA_X
ClientSampleId :
VX0613MBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	59451		
61	123.1	0.0	334.0	
98	65.0	0.0	131.6	

Manual Integrations
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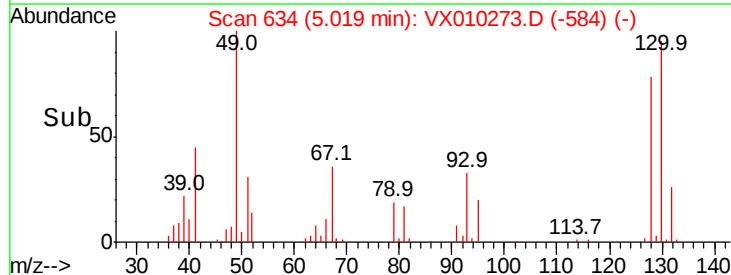
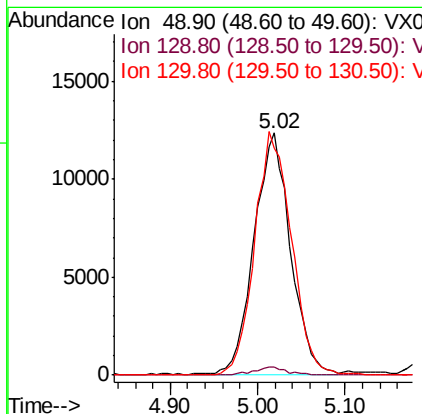
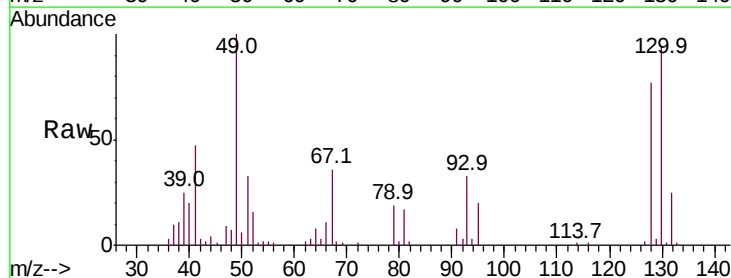
MMDadoda
6/14/2019 9:17:35 AM

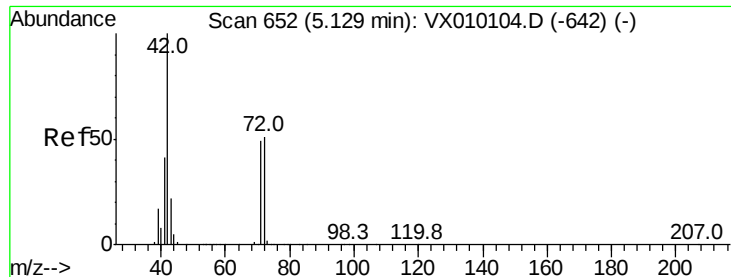


#28

Bromochloromethane
Concen: 18.981 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX010273.D
Acq: 13 Jun 2019 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	36037		
129	2.9	0.0	3.4	
130	100.7	49.4	74.2#	





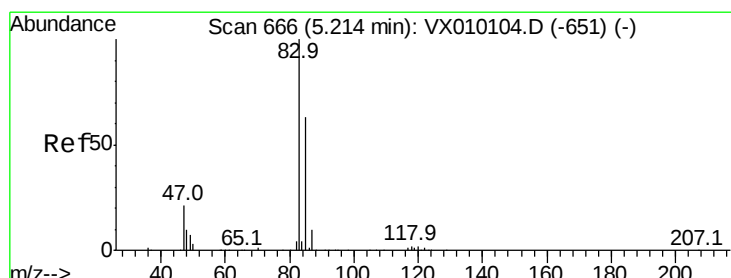
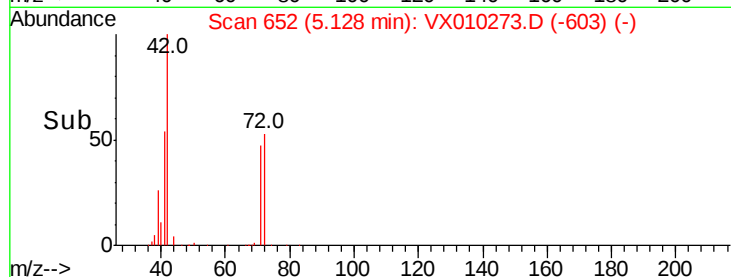
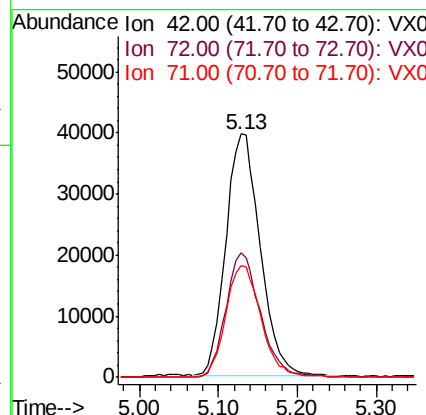
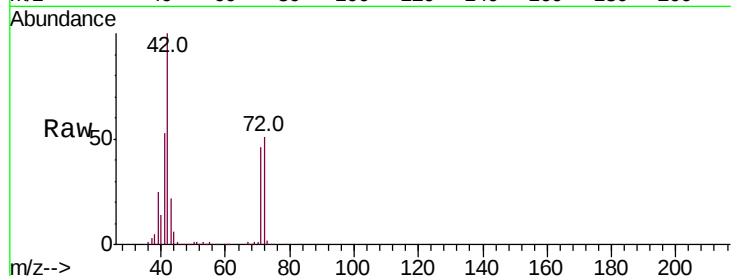
#29
Tetrahydrofuran
Concen: 103.798 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX010273.D
Acq: 13 Jun 2019 15:25

Instrument :
MSVOA_X
ClientSampleId :
VX0613MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.7	29.2	43.8#
71	47.4	27.6	41.4#

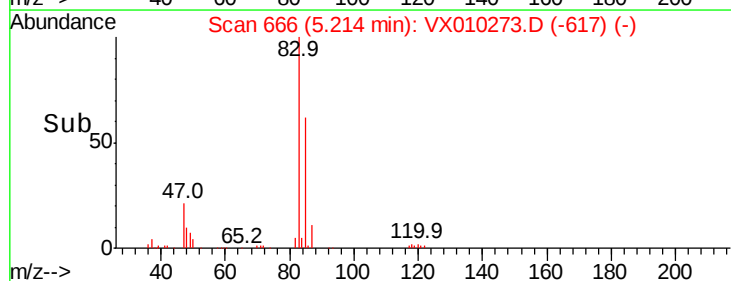
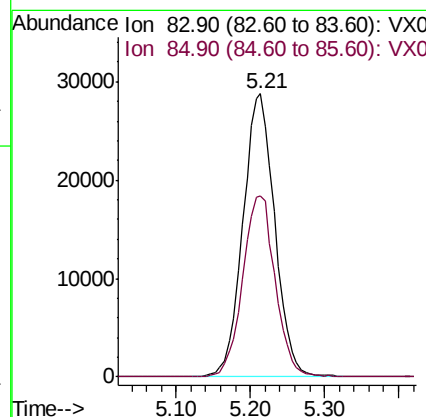
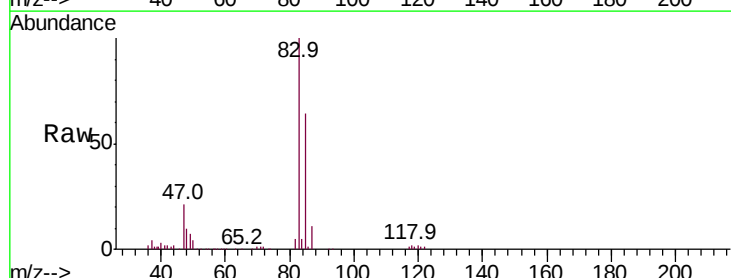
Manual Integrations
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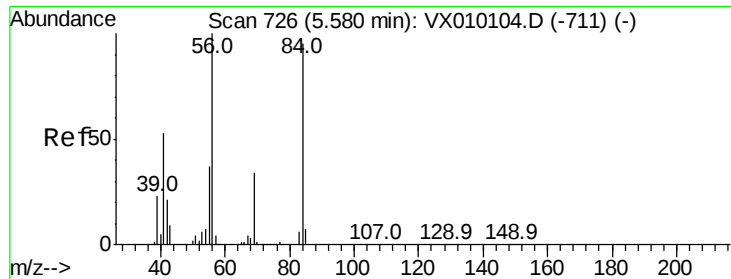
MMDadoda
6/14/2019 9:17:35 AM



#30
Chloroform
Concen: 19.598 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX010273.D
Acq: 13 Jun 2019 15:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.6	78.8





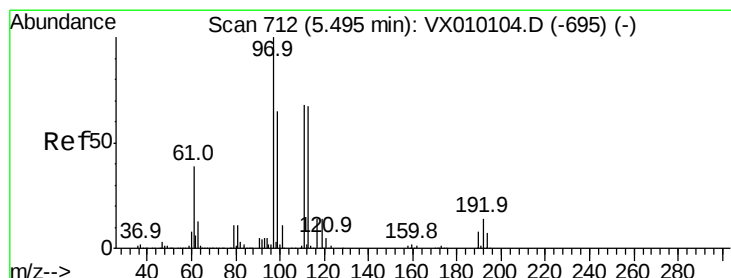
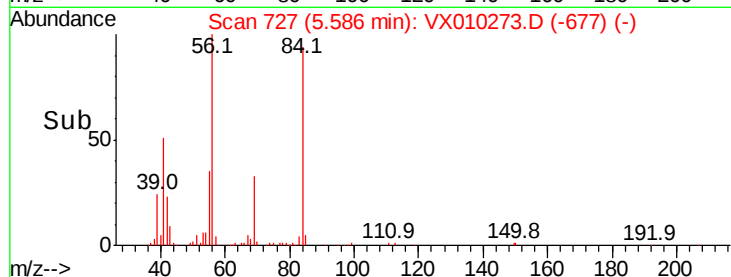
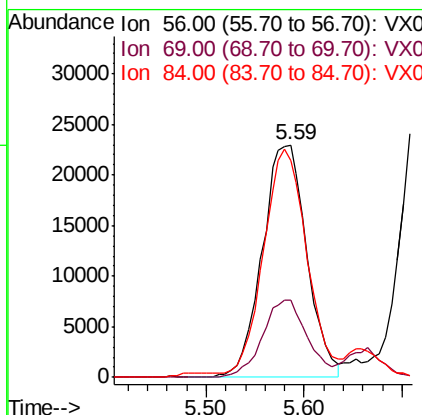
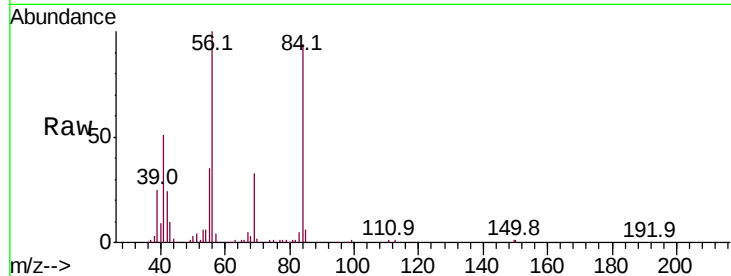
#31
Cyclohexane
Concen: 19.067 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX010273.D
Acq: 13 Jun 2019 15:25

Instrument :
MSVOA_X
ClientSampleId :
VX0613MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.8	21.6	32.4#
84	91.8	56.8	85.2#

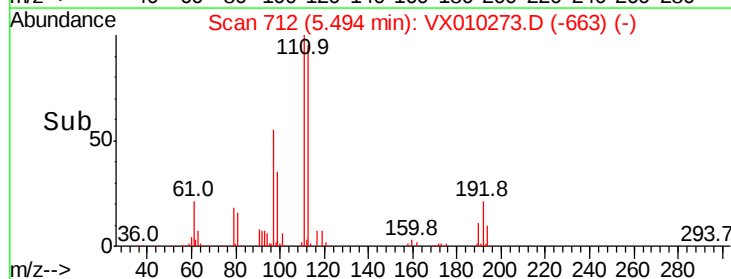
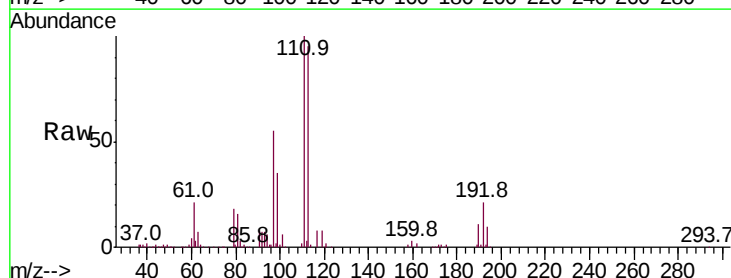
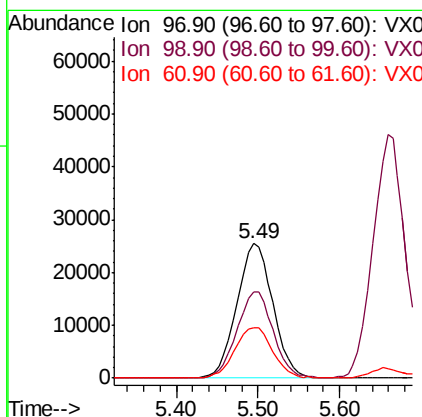
Manual Integrations
APPROVED

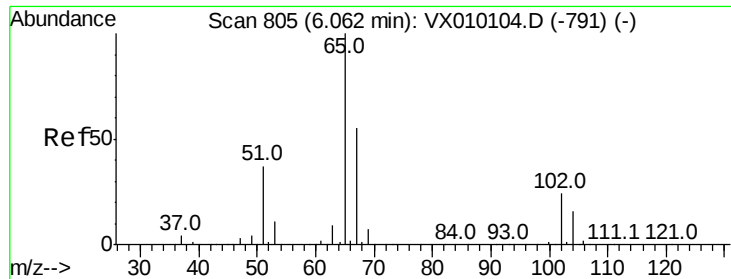
MMDadoda
6/14/2019 9:17:35 AM



#32
1,1,1-Trichloroethane
Concen: 18.883 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX010273.D
Acq: 13 Jun 2019 15:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.0	76.4
61	39.6	38.7	58.1





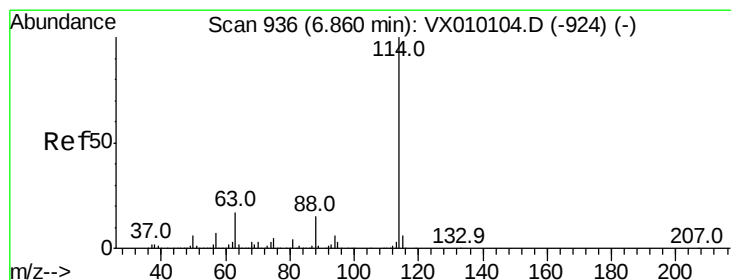
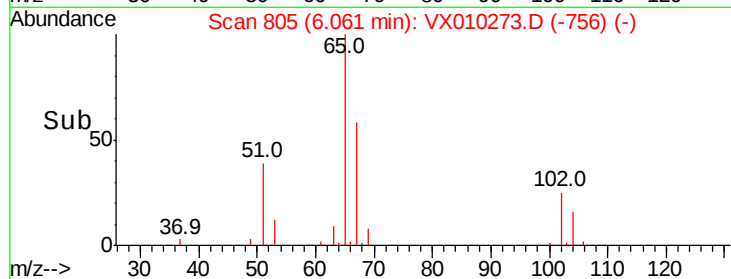
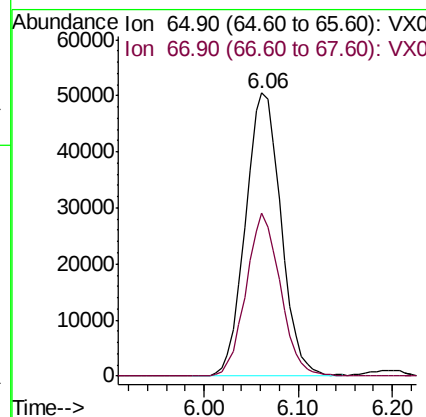
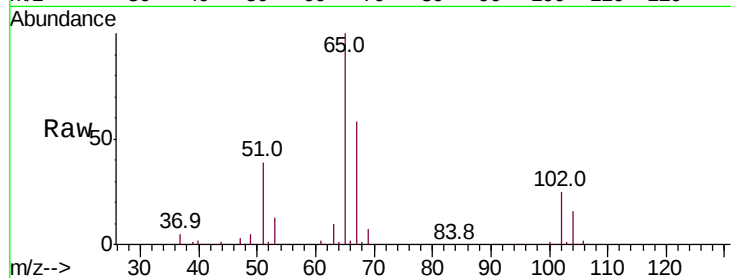
#33
 1,2-Dichloroethane-d4
 Concen: 50.518 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010273.D
 Acq: 13 Jun 2019 15:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613MBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.5	0.0	108.4

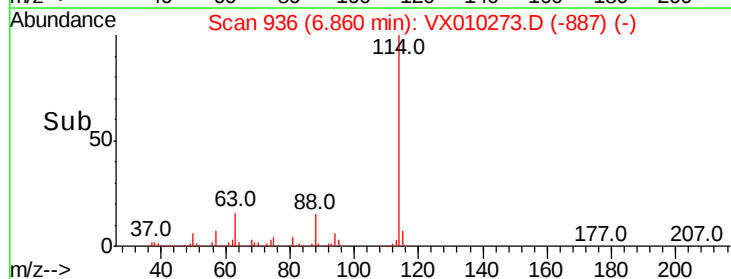
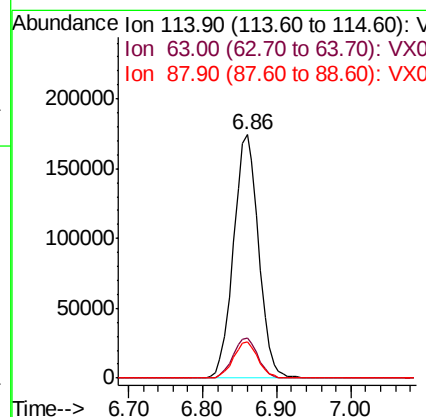
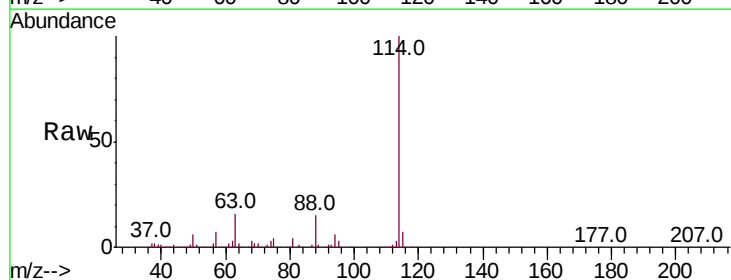
Manual Integrations
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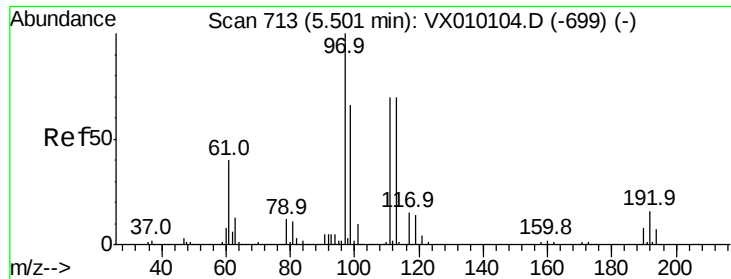
MMDadoda
 6/14/2019 9:17:35 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010273.D
 Acq: 13 Jun 2019 15:25

Tgt Ion	Ratio	Lower	Upper
114	100		
63	16.5	0.0	47.4
88	14.7	0.0	33.0





#35

Dibromofluoromethane

Concen: 52.164 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010273.D

Acq: 13 Jun 2019 15:25

Instrument :

MSVOA_X

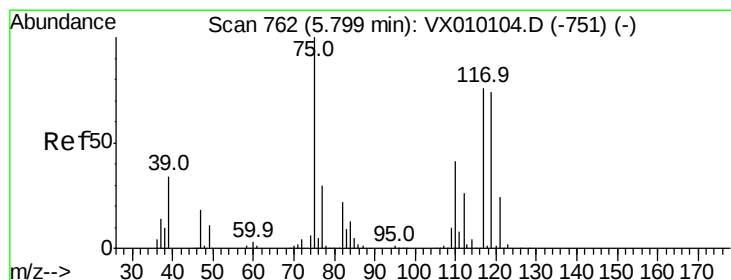
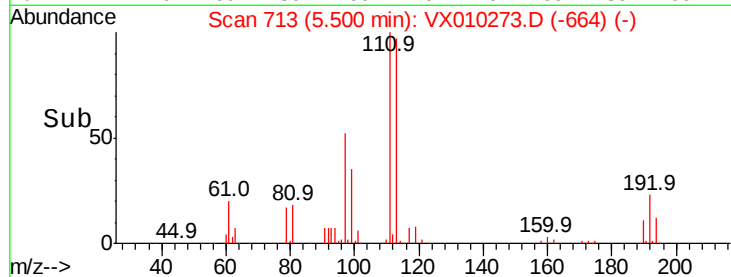
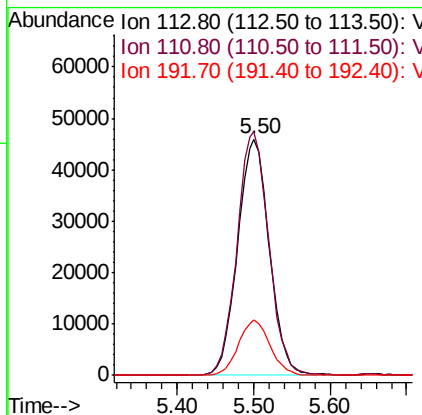
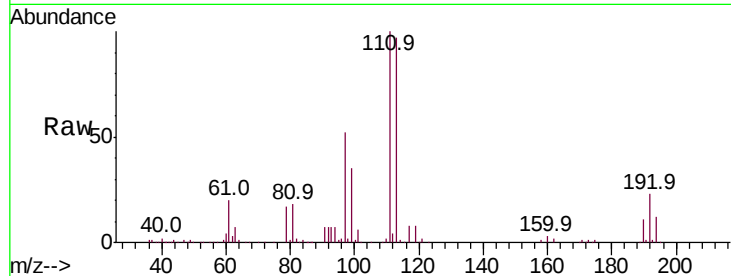
ClientSampleId :

VX0613MBS01

Tot Ion:	113	Resp:	132131
Ion Ratio	Lower	Upper	
113	100		
111	102.9	82.2	123.2
192	23.3	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.249 ug/l

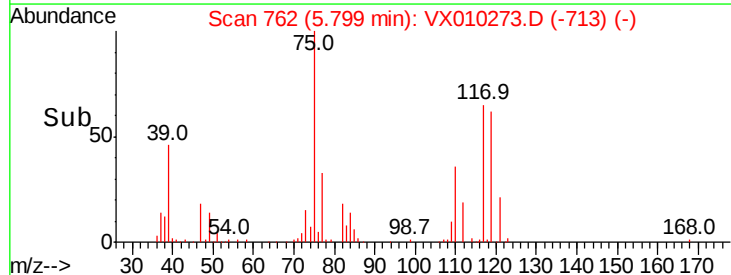
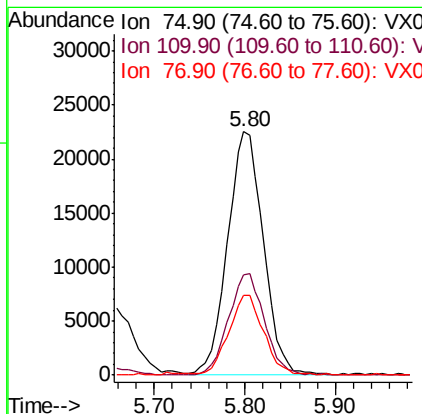
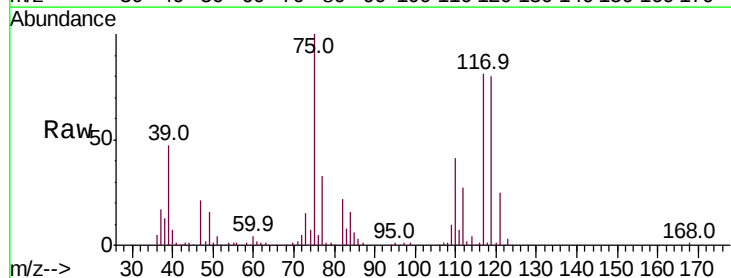
RT: 5.80 min Scan# 762

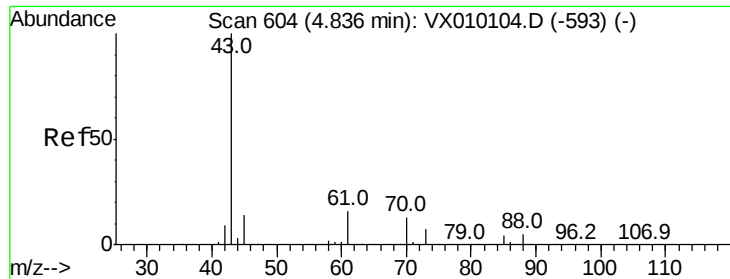
Delta R.T. -0.00 min

Lab File: VX010273.D

Acq: 13 Jun 2019 15:25

Tgt Ion:	75	Resp:	61138
Ion Ratio	Lower	Upper	
75	100		
110	42.3	16.7	50.1
77	32.8	25.0	37.4





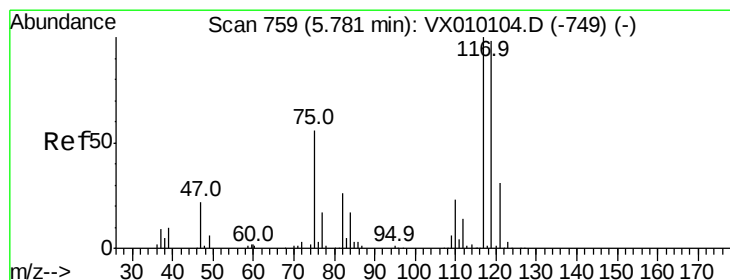
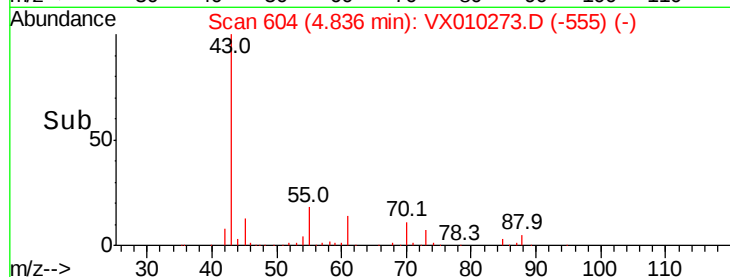
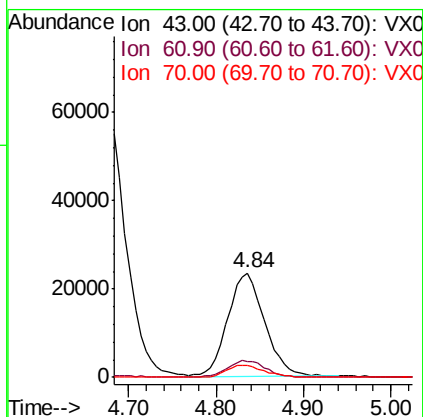
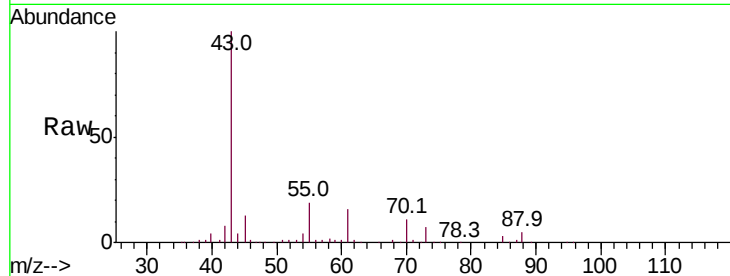
#37
Ethyl Acetate
Concen: 19.644 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX010273.D
Acq: 13 Jun 2019 15:25

Instrument :
MSVOA_X
ClientSampleId :
VX0613MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.2	10.2	15.2#
70	12.4	7.4	11.2#

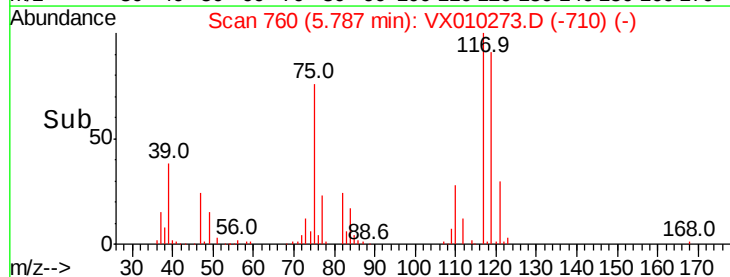
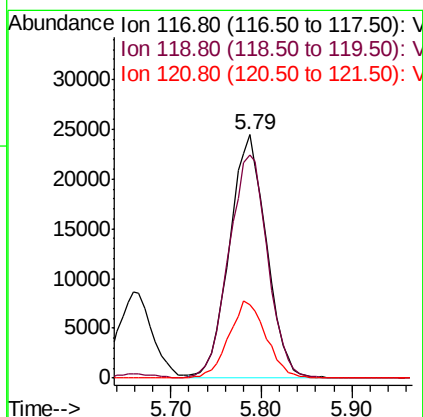
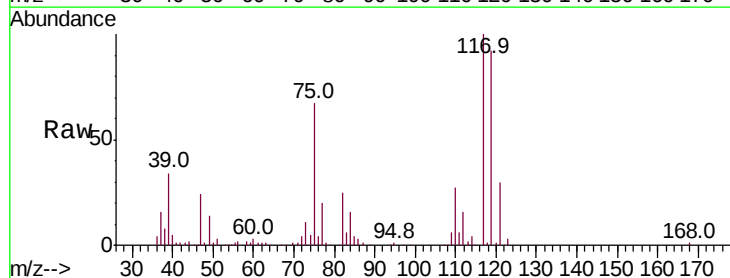
Manual Integrations
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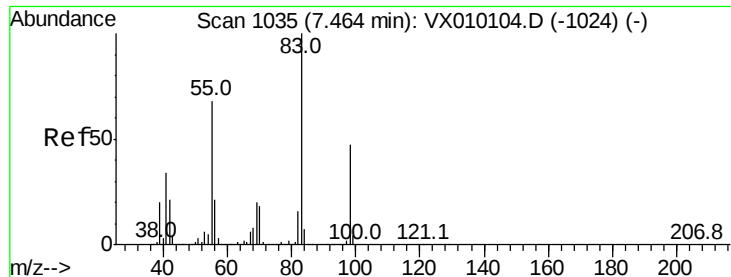
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#38
Carbon Tetrachloride
Concen: 18.263 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX010273.D
Acq: 13 Jun 2019 15:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.5	77.3	115.9
121	30.3	25.4	38.0





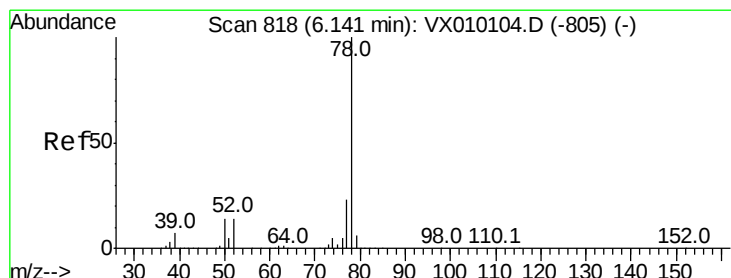
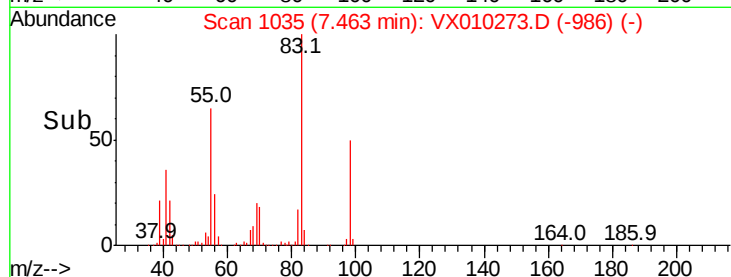
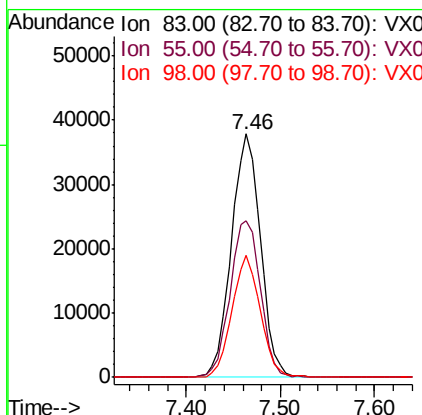
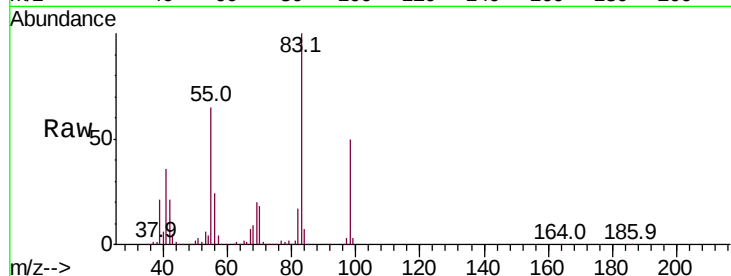
#39
Methylvlcvclohexane
Concen: 17.846 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010273.D
Acq: 13 Jun 2019 15:25

Instrument :
MSVOA_X
ClientSampleId :
VX0613MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	64.6	69.9	104.9#
98	50.3	35.1	52.7

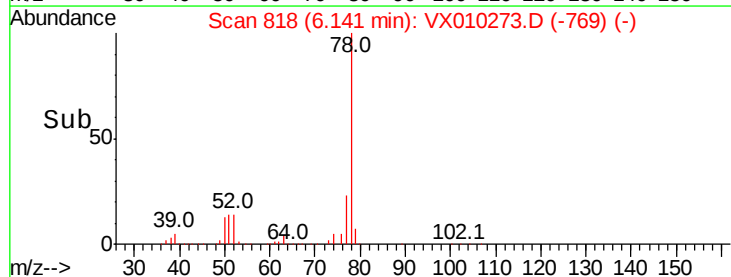
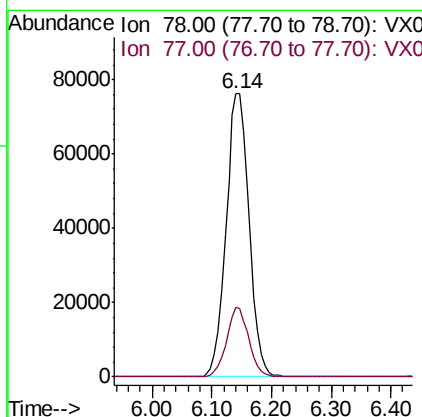
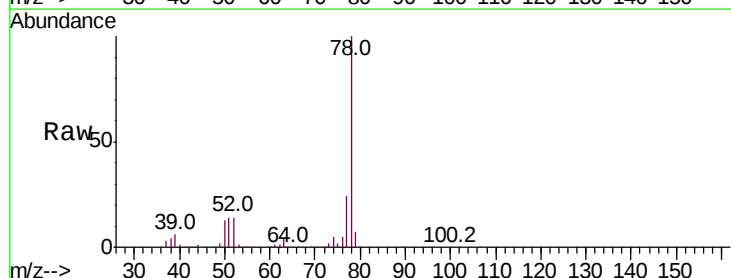
Manual Integrations
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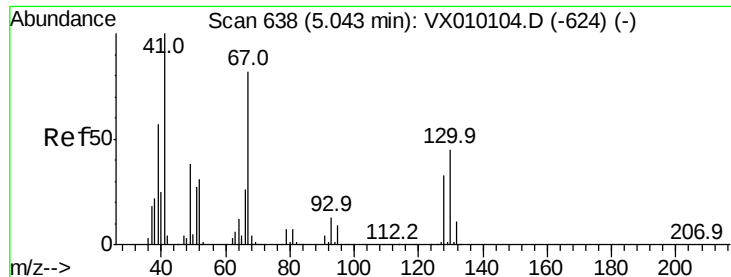
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#40
Benzene
Concen: 19.686 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX010273.D
Acq: 13 Jun 2019 15:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.2	28.8





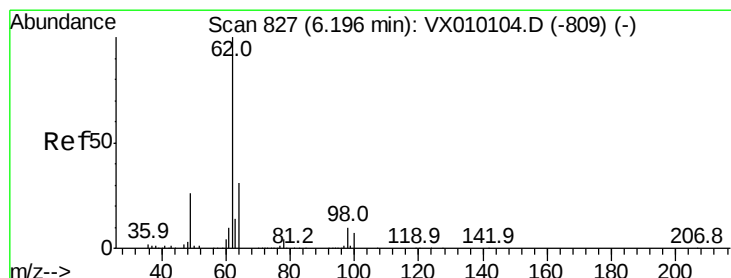
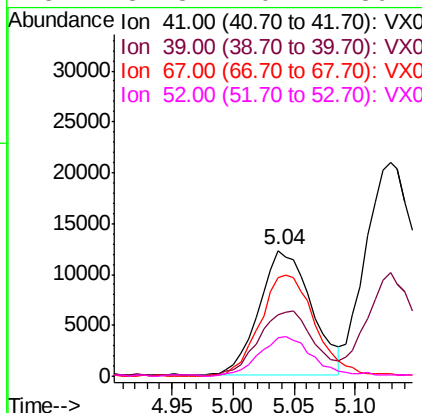
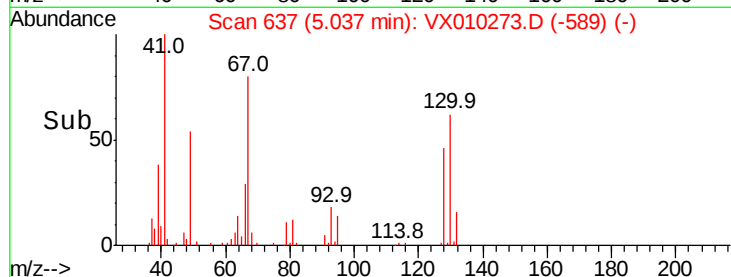
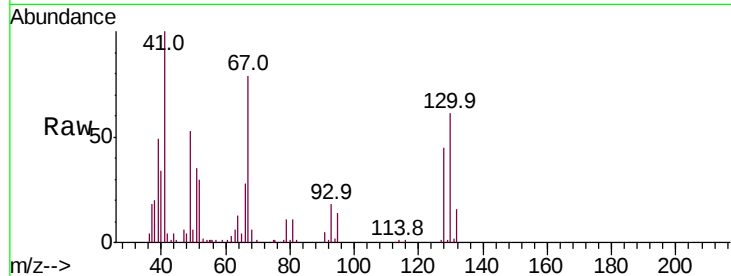
#41
Methacrylonitrile
Concen: 19.334 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX010273.D
Acq: 13 Jun 2019 15:25

Instrument :
MSVOA_X
ClientSampleId :
VX0613MBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.9	42.2	63.4	
67	86.4	48.9	73.3	
52	31.8	20.1	30.1	

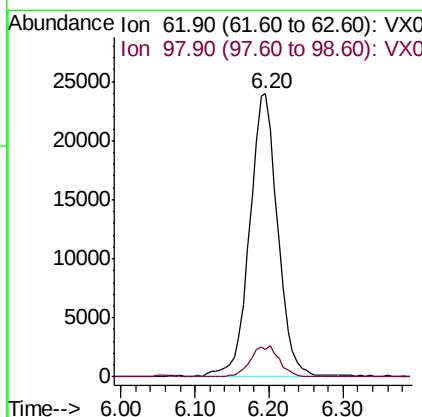
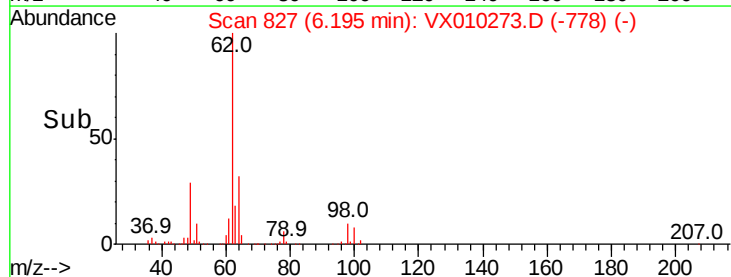
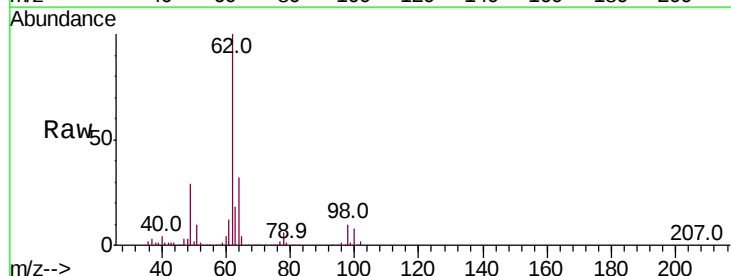
Manual Integrations
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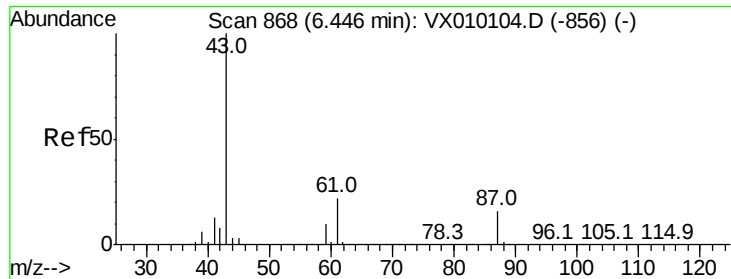
MMDadoda
6/14/2019 9:17:35 AM



#42
1,2-Dichloroethane
Concen: 19.272 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX010273.D
Acq: 13 Jun 2019 15:25

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	11.2	0.0	17.2	





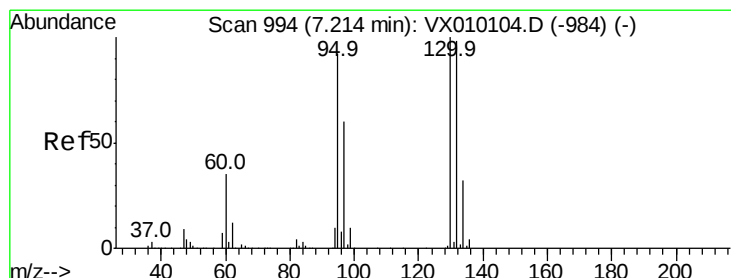
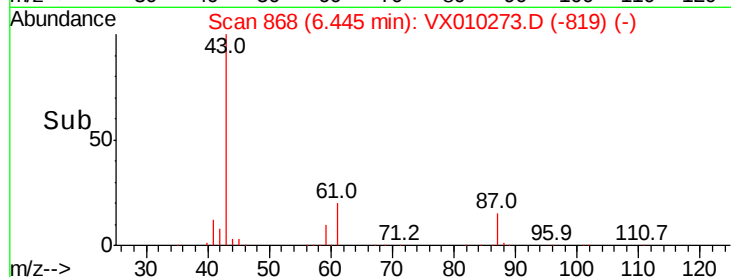
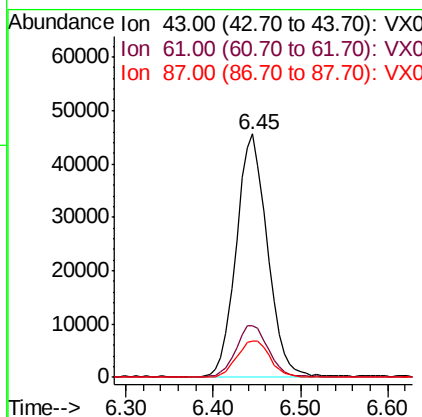
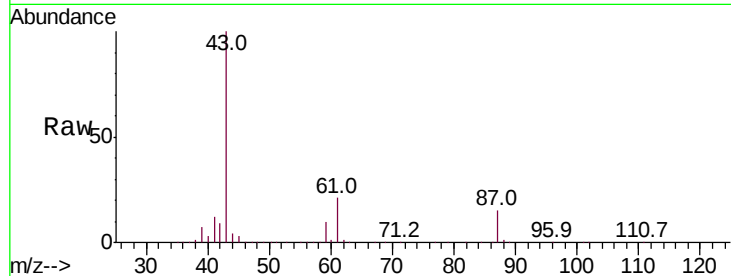
#43
Isopropyl Acetate
Concen: 19.444 ug/l
RT: 6.45 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX010273.D
Acq: 13 Jun 2019 15:25

Instrument :
MSVOA_X
ClientSampleId :
VX0613MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.2	14.6	21.8#
87	15.8	8.7	13.1#

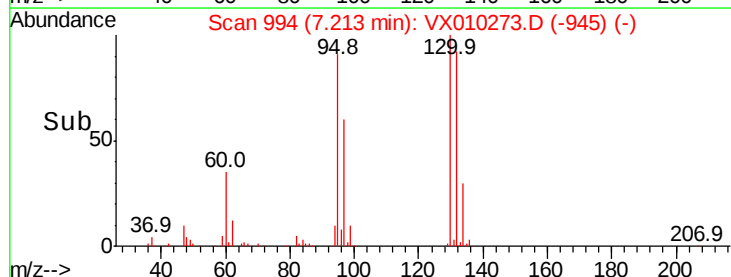
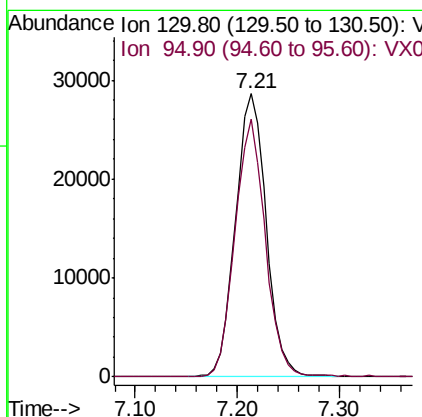
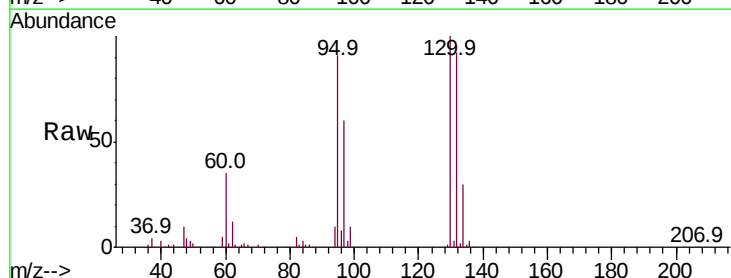
Manual Integrations
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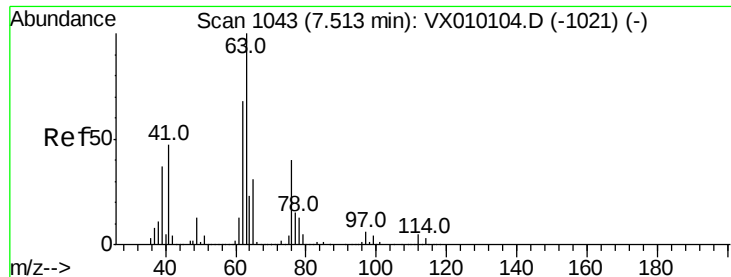
MMDadoda
6/14/2019 9:17:35 AM



#44
Trichloroethene
Concen: 19.137 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX010273.D
Acq: 13 Jun 2019 15:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.9	0.0	207.4





#45

1,2-Dichloropropane

Concen: 19.945 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX010273.D

Acq: 13 Jun 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

VX0613MBS01

Tot Ion: 63 Resp: 51717

Ion Ratio Lower Upper

63 100

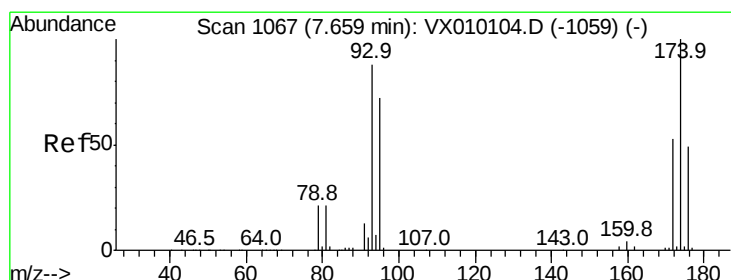
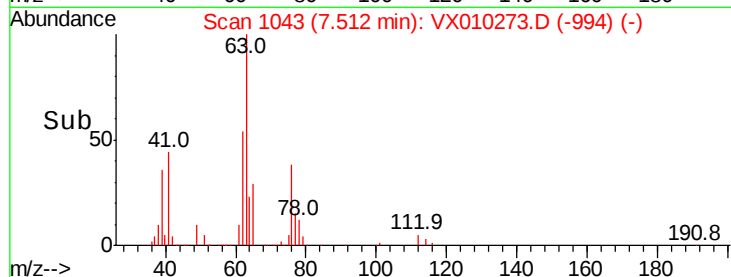
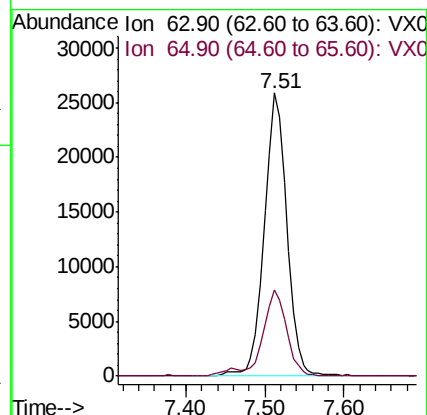
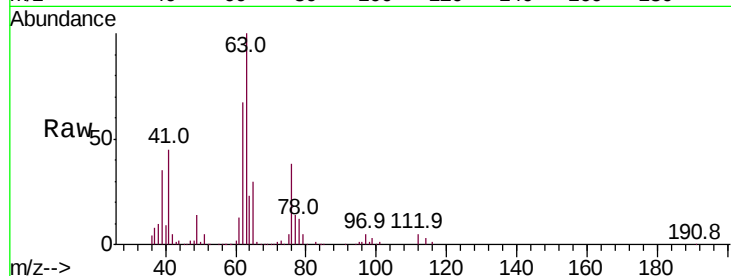
65 30.4 25.7 38.5

Manual Integrations

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6/14/2019 9:17:35 AM



#46

Dibromomethane

Concen: 18.997 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX010273.D

Acq: 13 Jun 2019 15:25

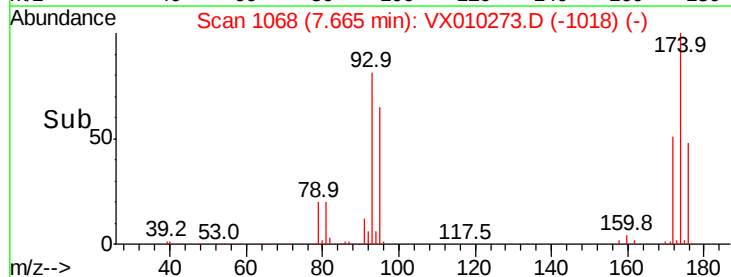
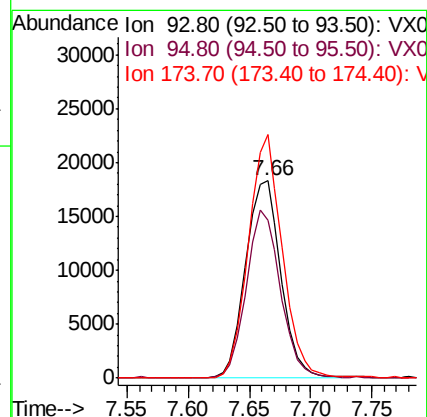
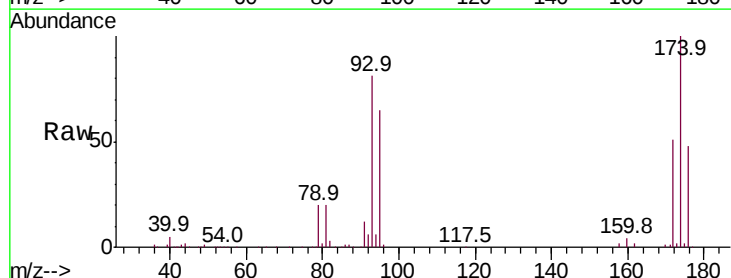
Tgt Ion: 93 Resp: 36904

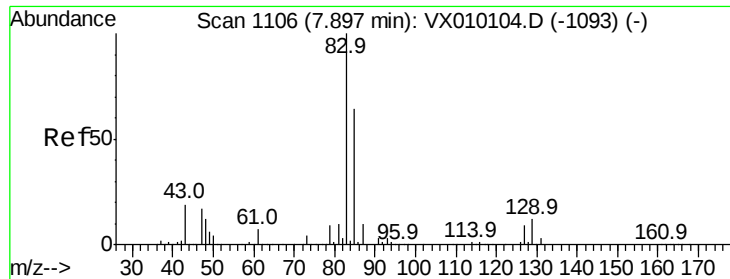
Ion Ratio Lower Upper

93 100

95 82.5 66.8 100.2

174 117.9 81.9 122.9





#47

Bromodichloromethane

Concen: 18.699 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX010273.D

Acq: 13 Jun 2019 15:25

Instrument :

MSVOA_X

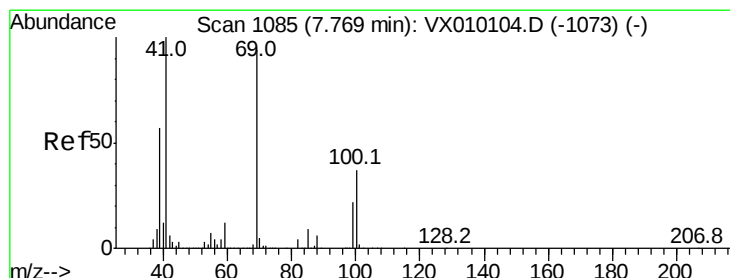
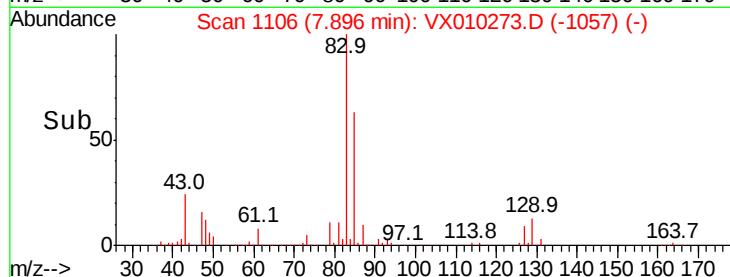
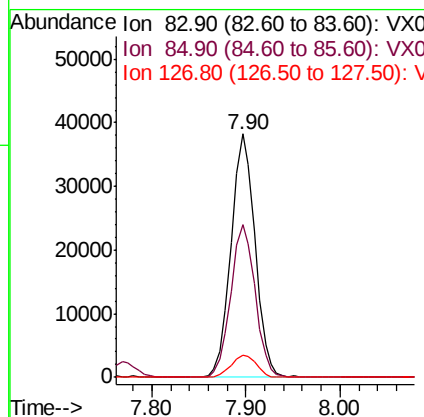
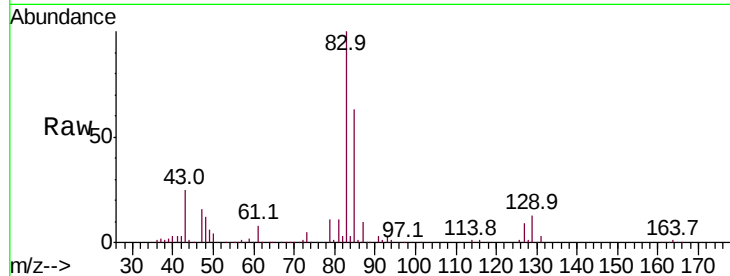
ClientSampleId :

VX0613MBS01

Tot Ion:	83	Resp:	67875
Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.4	77.2
127	9.0	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.251 ug/l

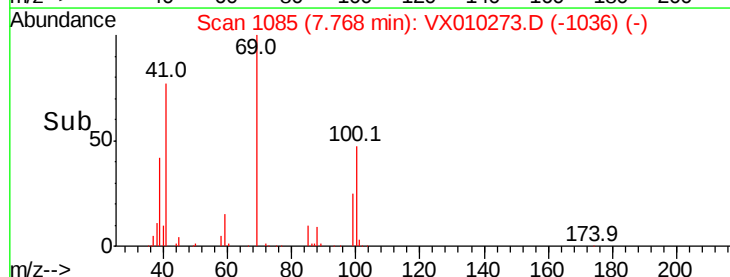
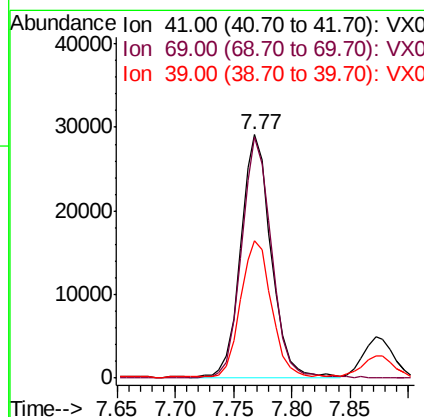
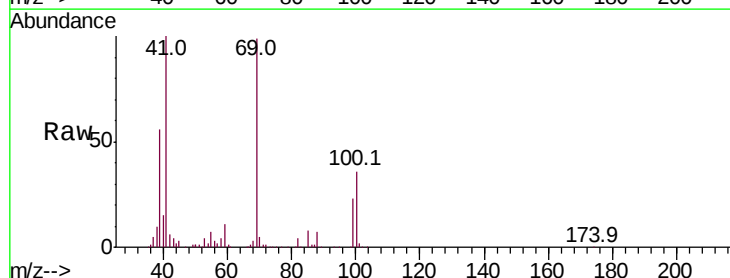
RT: 7.77 min Scan# 1085

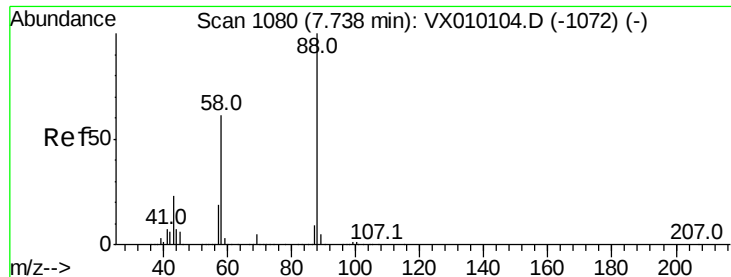
Delta R.T. -0.00 min

Lab File: VX010273.D

Acq: 13 Jun 2019 15:25

Tgt Ion:	41	Resp:	52473
Ion	Ratio	Lower	Upper
41	100		
69	99.0	56.4	84.6#
39	57.0	40.6	60.8





#49

1,4-Dioxane

Concen: 399.424 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX010273.D

Acq: 13 Jun 2019 15:25

Instrument :

MSVOA_X

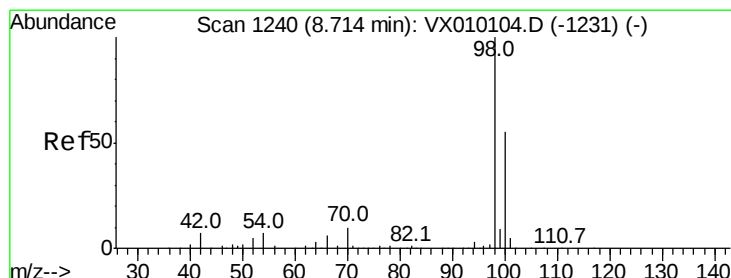
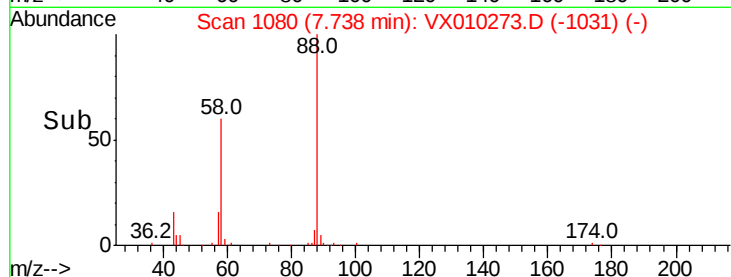
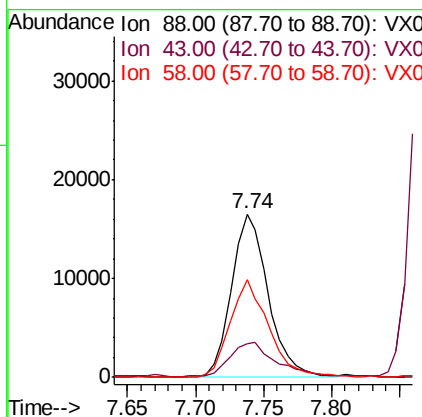
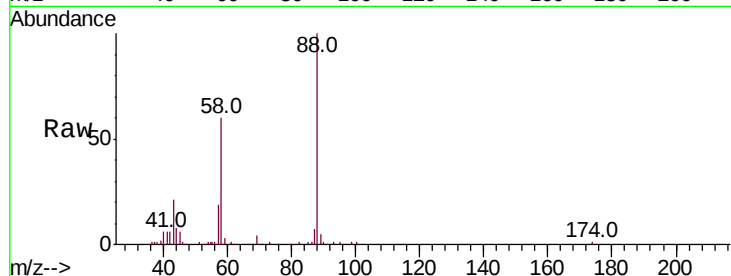
ClientSampleId :

VX0613MBS01

Tot Ion:	88	Resp:	31041
Ion Ratio	Lower	Upper	
88	100		
43	28.6	30.2	45.4#
58	63.3	64.0	96.0#

Manual Integrations
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#50

Toluene-d8

Concen: 52.294 ug/l

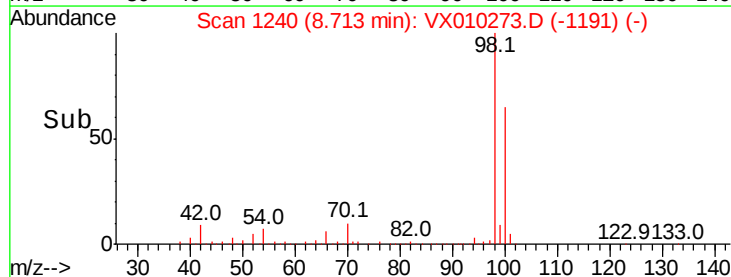
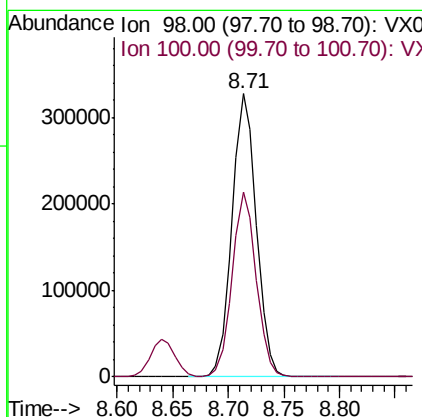
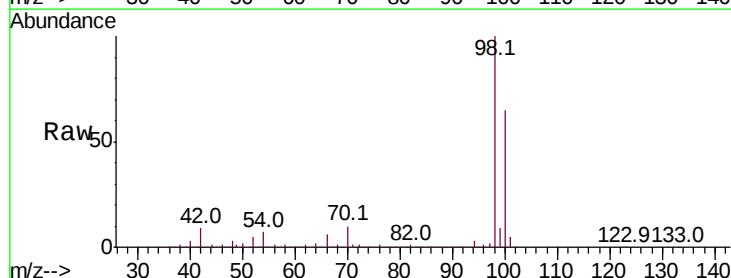
RT: 8.71 min Scan# 1240

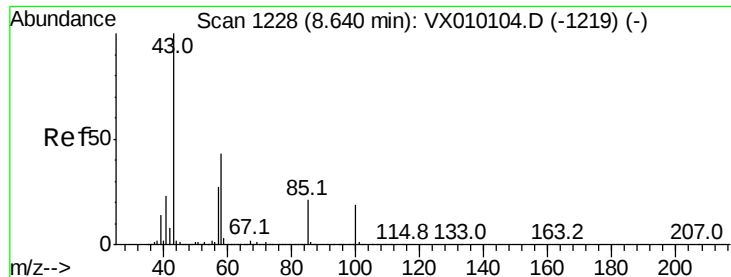
Delta R.T. 0.00 min

Lab File: VX010273.D

Acq: 13 Jun 2019 15:25

Tgt Ion:	98	Resp:	496441
Ion Ratio	Lower	Upper	
98	100		
100	64.4	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 105.568 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX010273.D

Acq: 13 Jun 2019 15:25

Instrument :

MSVOA_X

ClientSampled :

VX0613MBS01

Tot Ion: 43 Resp: 367572

Ion Ratio Lower Upper

43 100

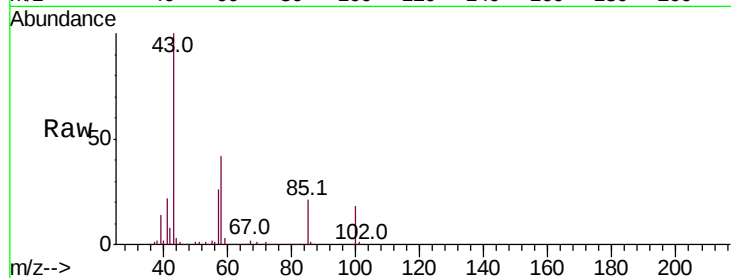
58 42.2 28.8 43.2

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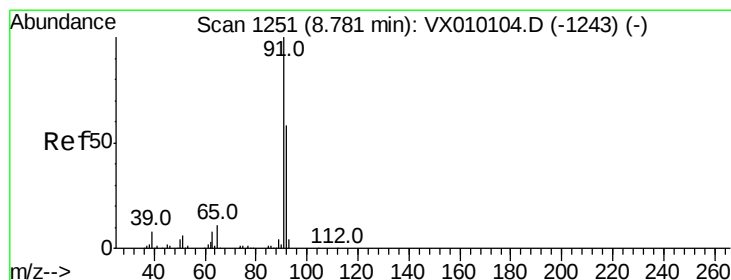
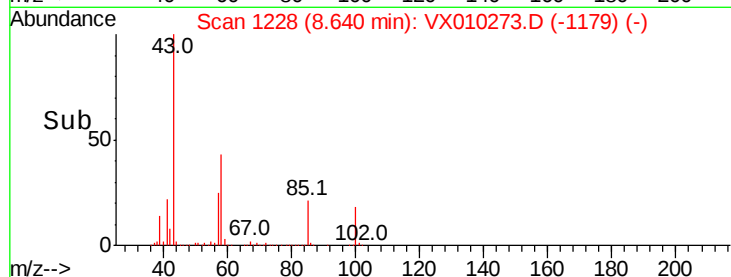
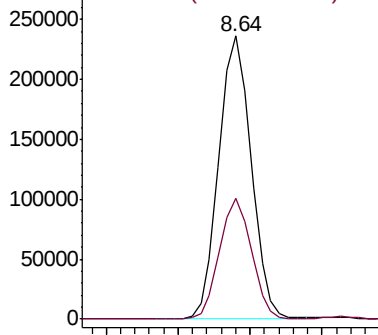
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.464 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX010273.D

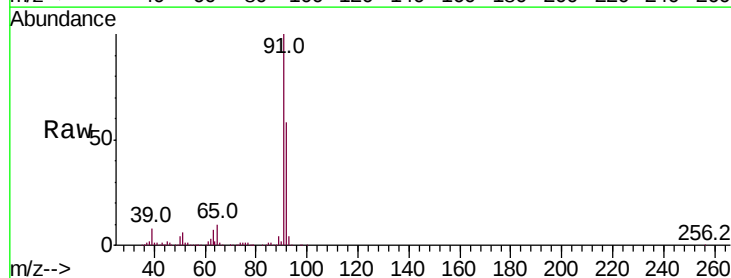
Acq: 13 Jun 2019 15:25

Tgt Ion: 92 Resp: 132548

Ion Ratio Lower Upper

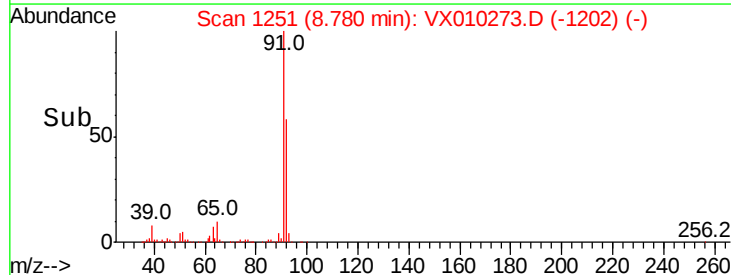
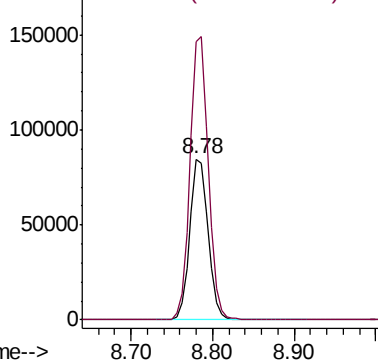
92 100

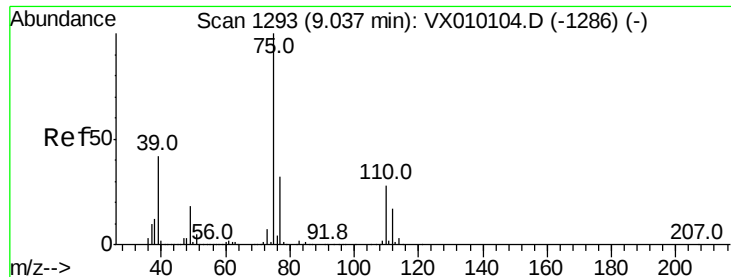
91 174.9 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 17.229 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX010273.D

Acq: 13 Jun 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

VX0613MBS01

Tot Ion: 75 Resp: 72338

Ion Ratio Lower Upper

75 100

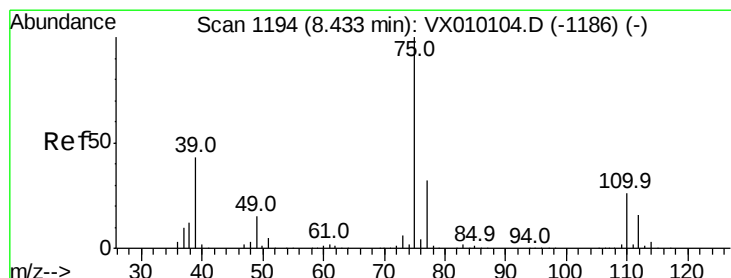
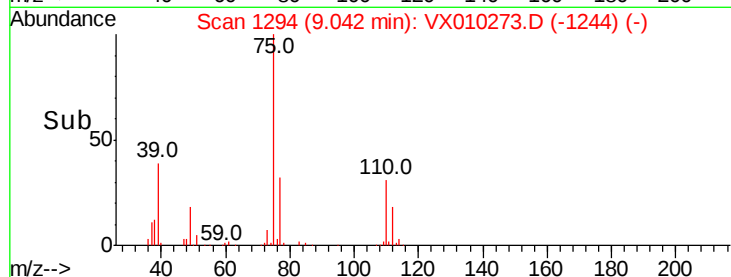
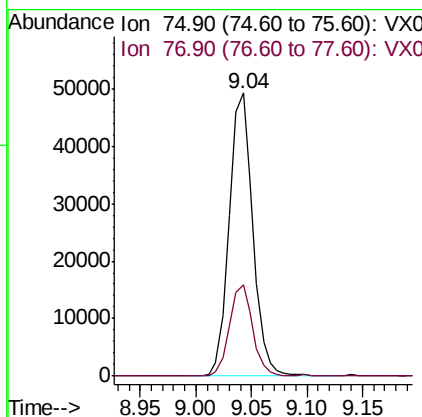
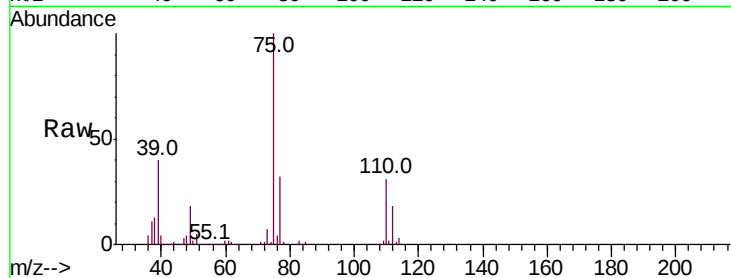
77 32.3 24.6 36.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 17.937 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX010273.D

Acq: 13 Jun 2019 15:25

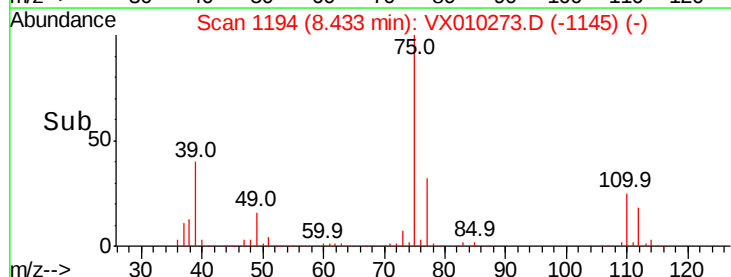
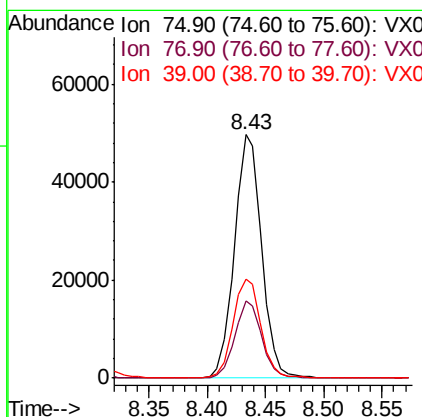
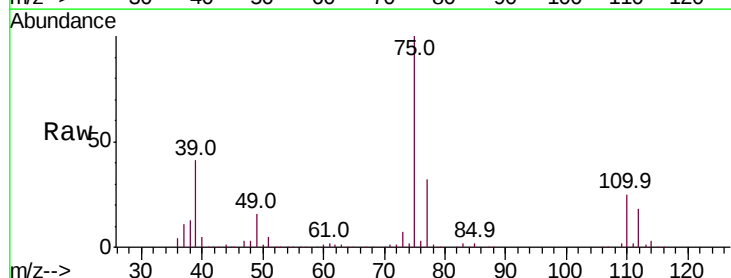
Tgt Ion: 75 Resp: 80736

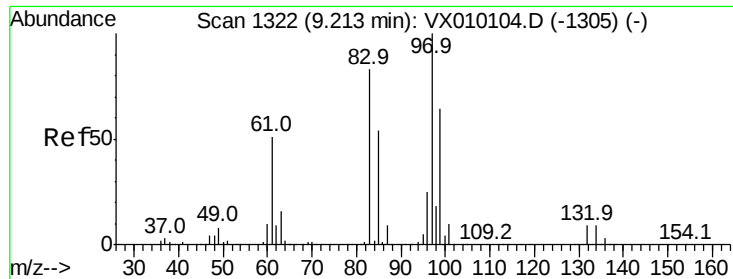
Ion Ratio Lower Upper

75 100

77 31.6 24.8 37.2

39 40.5 43.4 65.0#





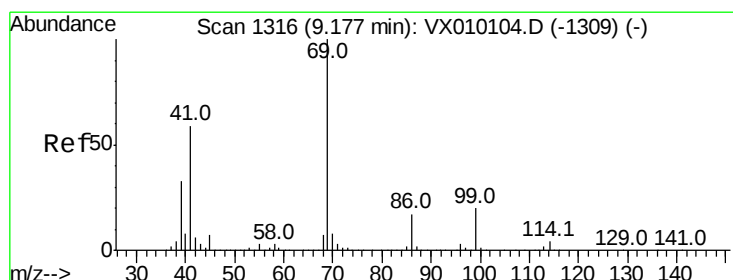
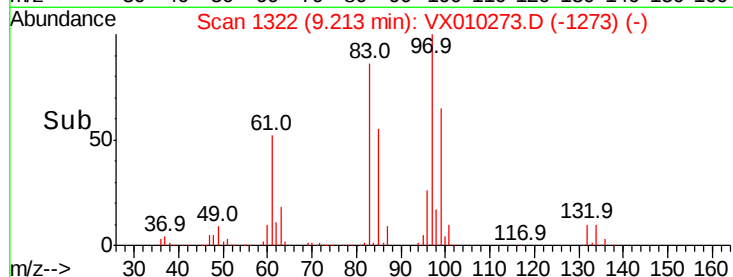
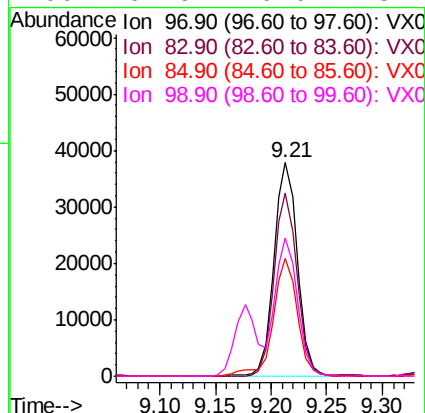
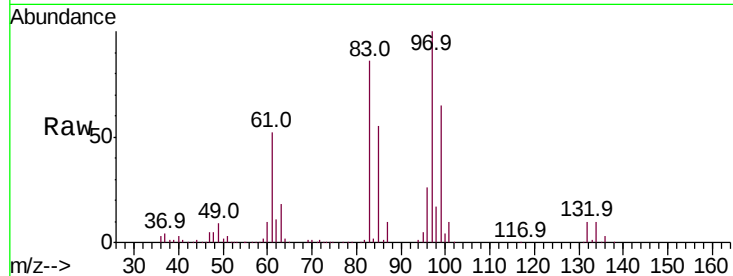
#55
1,1,2-Trichloroethane
Concen: 20.009 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX010273.D
Acq: 13 Jun 2019 15:25

Instrument :
MSVOA_X
ClientSampleId :
VX0613MBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.7	69.8	104.8
85	55.0	45.3	67.9
99	64.6	49.0	73.4

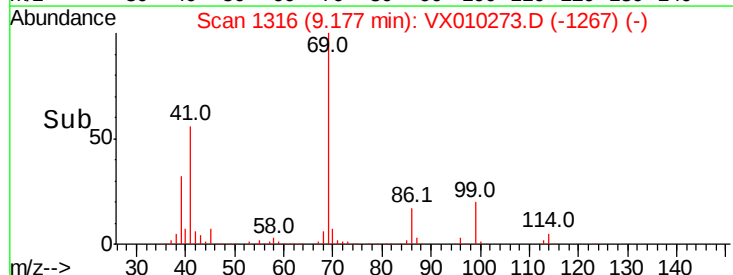
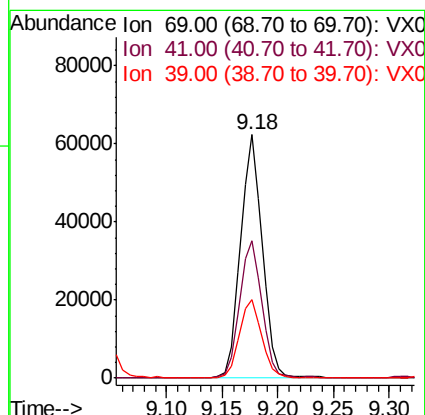
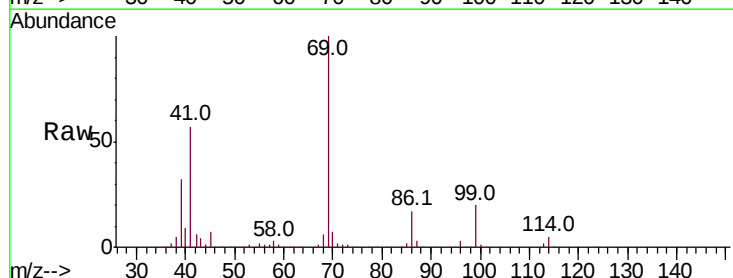
Manual Integrations
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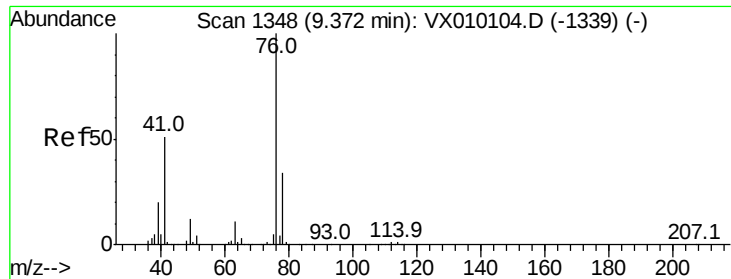
MMDadoda
6/14/2019 9:17:35 AM



#56
Ethyl methacrylate
Concen: 19.246 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VX010273.D
Acq: 13 Jun 2019 15:25

Tgt Ion	Ratio	Lower	Upper
69	100		
41	57.8	62.7	94.1#
39	32.2	29.5	44.3





#57

1,3-Dichloropropane

Concen: 19.313 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX010273.D

Acq: 13 Jun 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

VX0613MBS01

Tot Ion: 76 Resp: 84799

Ion Ratio Lower Upper

76 100

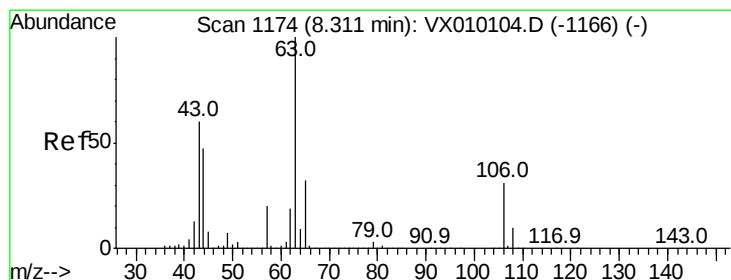
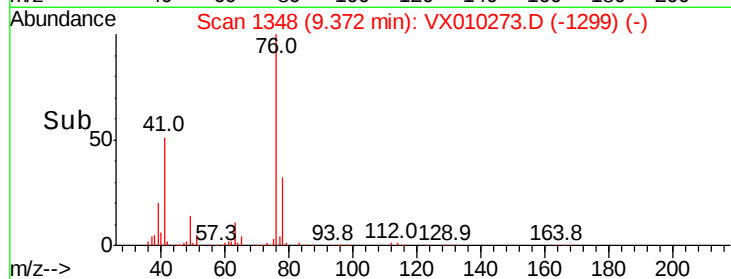
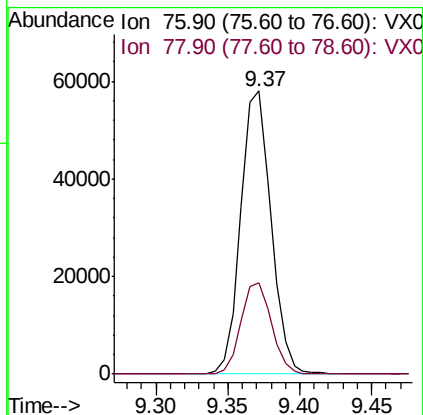
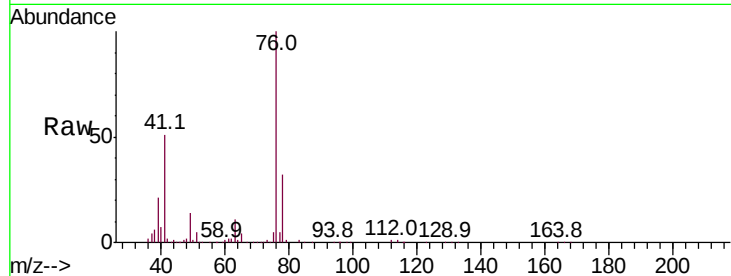
78 32.7 25.4 38.0

Manual Integrations

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MMDadoda

6/14/2019 9:17:35 AM



#58

2-Chloroethyl Vinyl ether

Concen: 89.396 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX010273.D

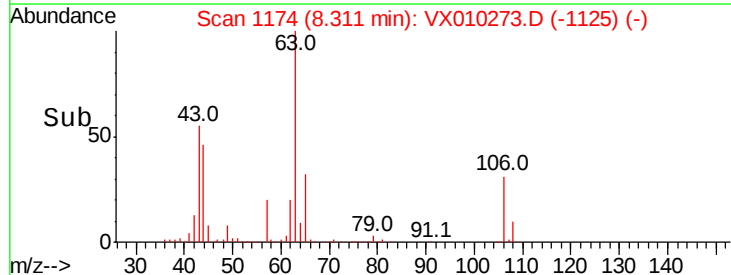
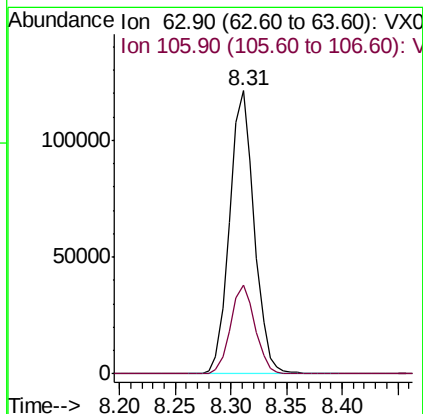
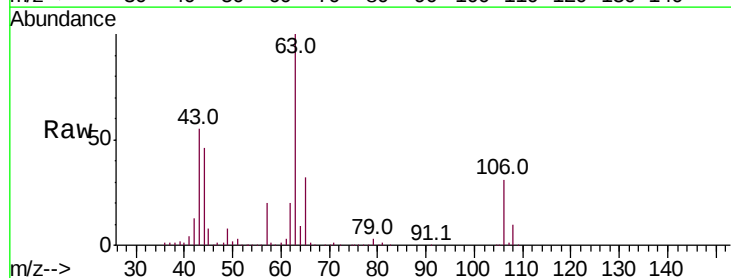
Acq: 13 Jun 2019 15:25

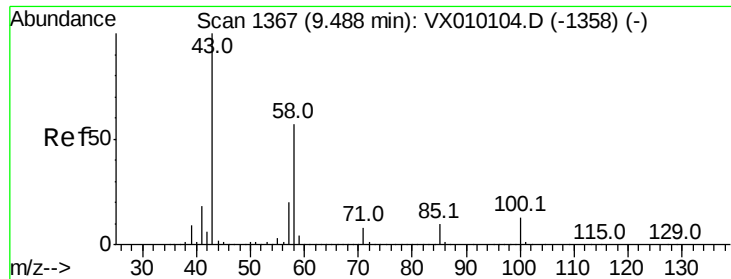
Tgt Ion: 63 Resp: 185666

Ion Ratio Lower Upper

63 100

106 31.3 19.4 29.2#





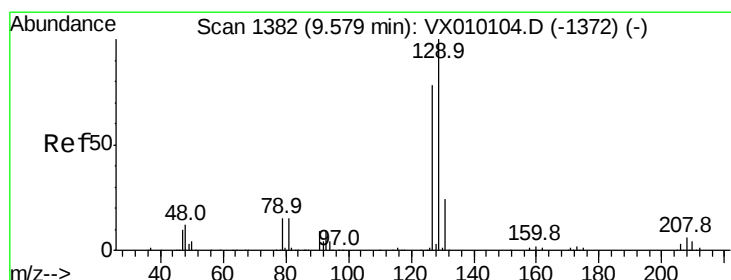
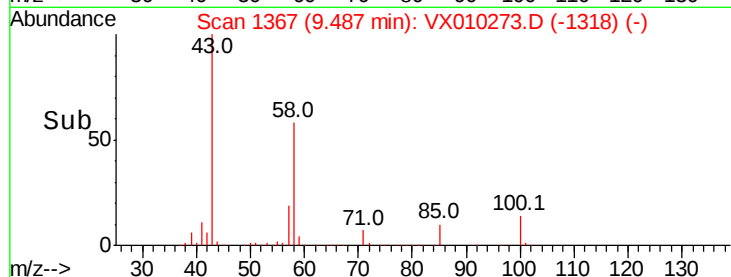
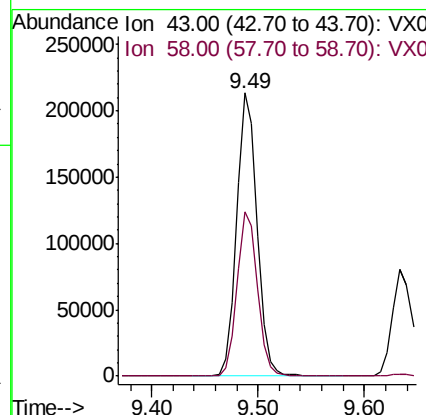
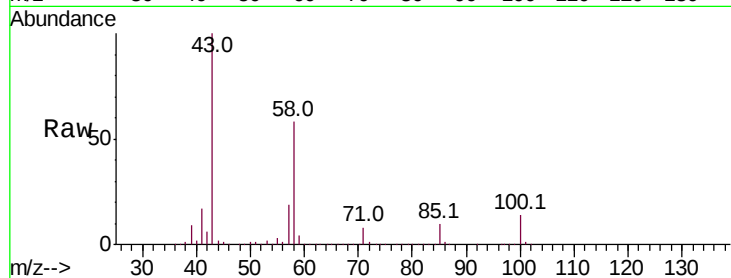
#59
2-Hexanone
Concen: 103.458 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX010273.D
Acq: 13 Jun 2019 15:25

Instrument :
MSVOA_X
ClientSampleId :
VX0613MBS01

Tot Ion: 43 Resp: 287212
Ion Ratio Lower Upper
43 100
58 58.7 25.1 75.3

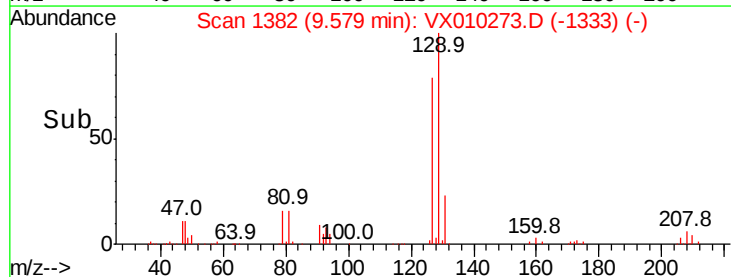
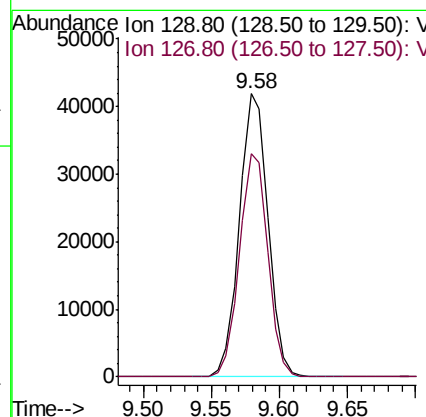
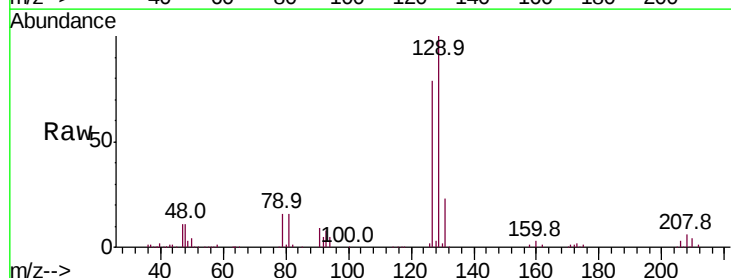
Manual Integrations
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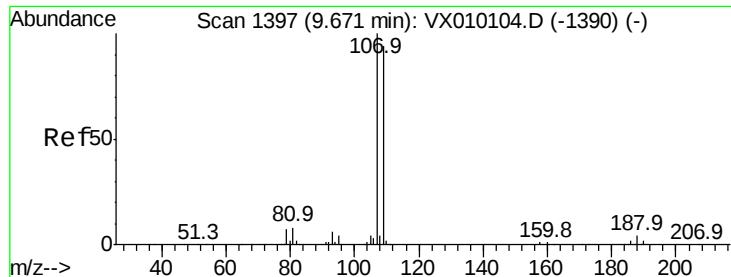
MMDadoda
6/14/2019 9:17:35 AM



#60
Dibromochloromethane
Concen: 18.609 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX010273.D
Acq: 13 Jun 2019 15:25

Tgt Ion: 129 Resp: 61390
Ion Ratio Lower Upper
129 100
127 78.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.270 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010273.D

Acq: 13 Jun 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

VX0613MBS01

Tot Ion:107 Resp: 59855

Ion Ratio Lower Upper

107 100

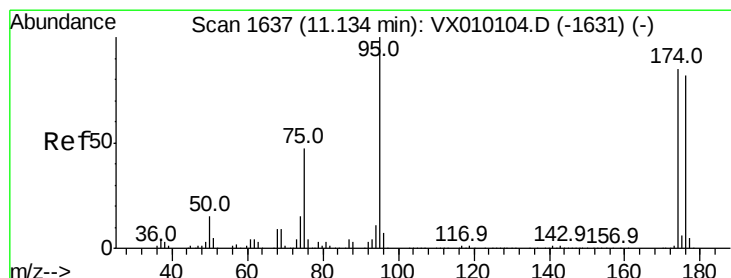
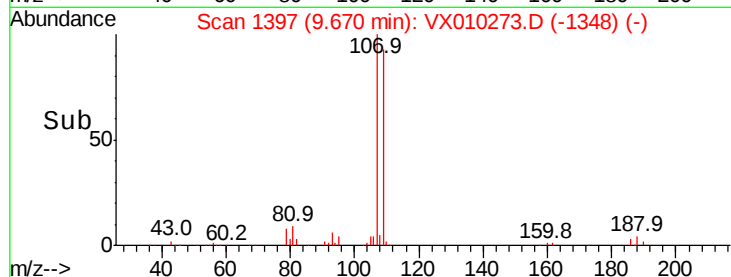
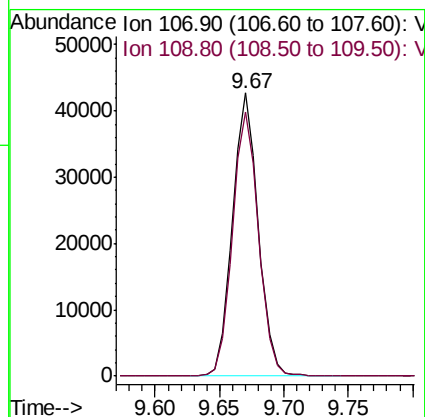
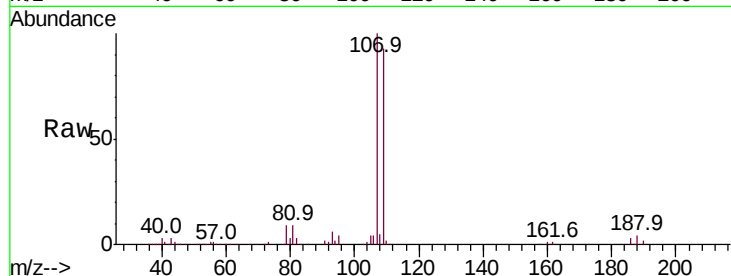
109 94.3 75.4 113.2

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#62

4-Bromofluorobenzene

Concen: 50.263 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010273.D

Acq: 13 Jun 2019 15:25

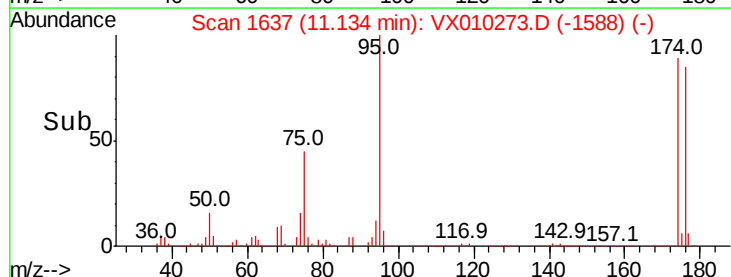
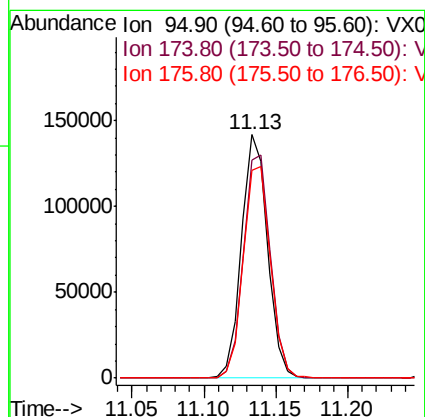
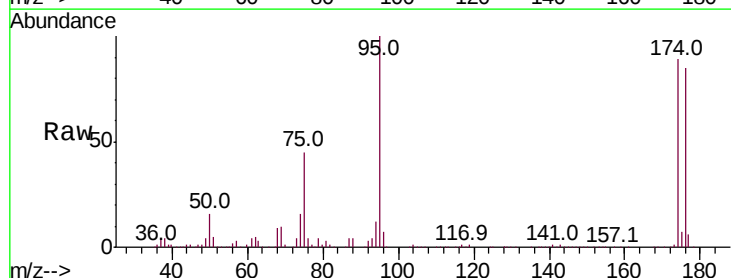
Tgt Ion: 95 Resp: 178200

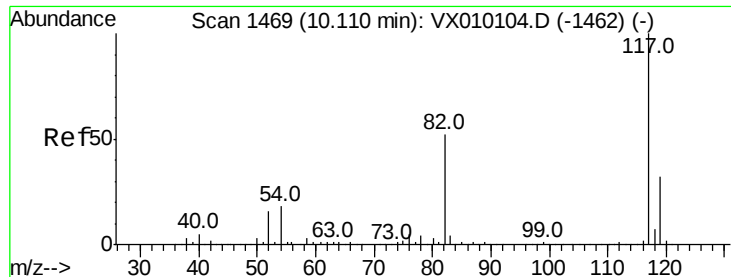
Ion Ratio Lower Upper

95 100

174 94.6 0.0 160.4

176 90.8 0.0 154.6





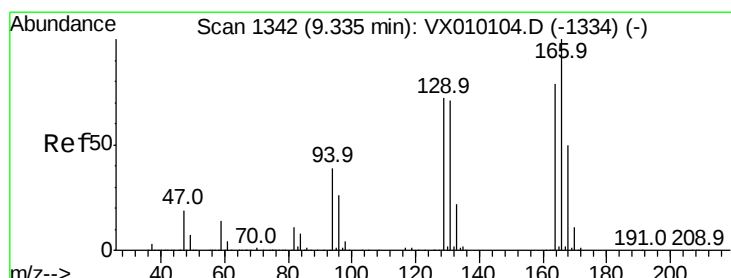
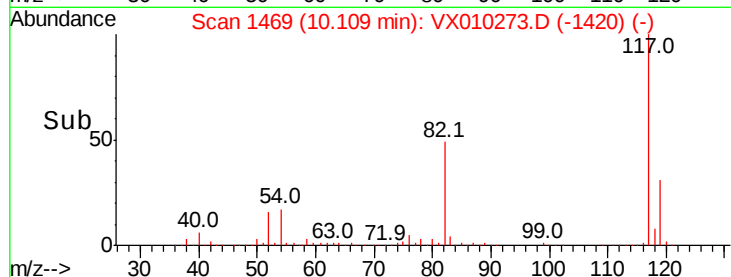
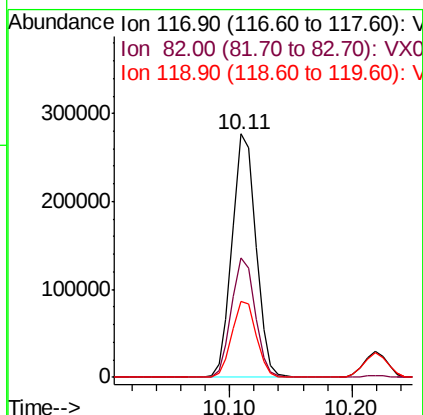
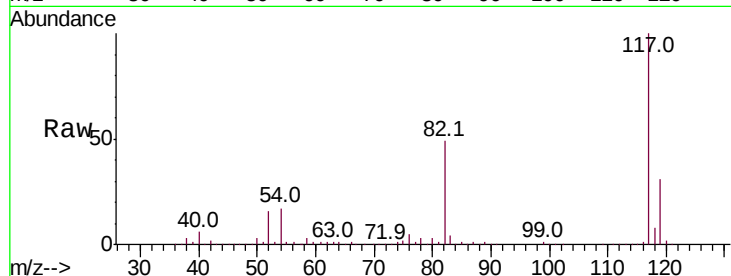
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010273.D
Acq: 13 Jun 2019 15:25

Instrument :
MSVOA_X
ClientSampleId :
VX0613MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.3	49.2	73.8
119	31.4	25.2	37.8

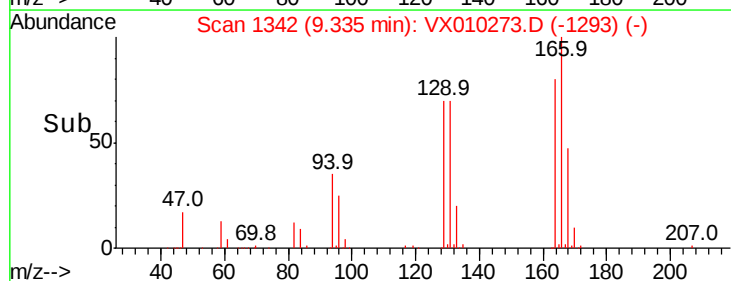
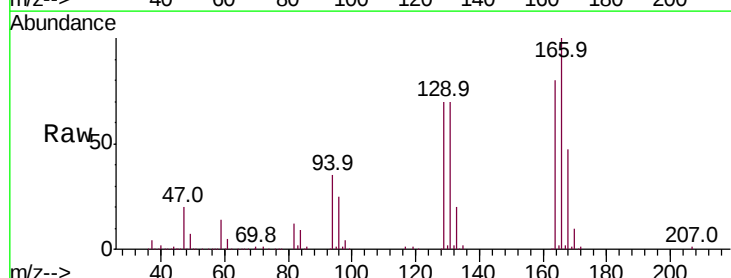
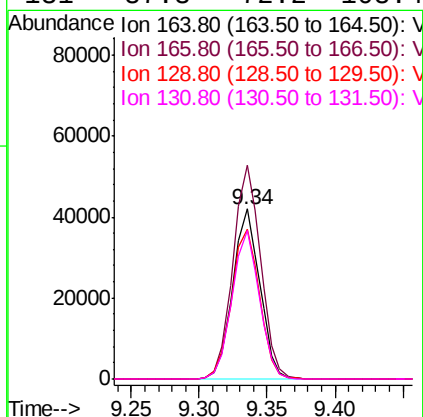
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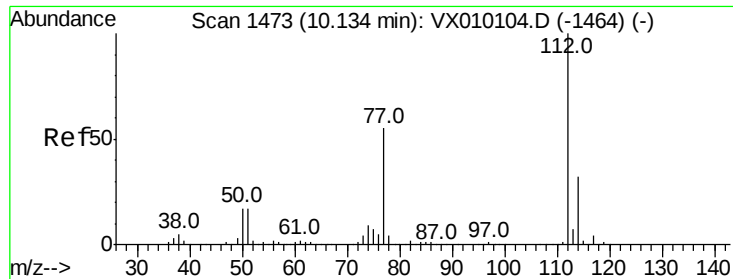
MMDadoda
6/14/2019 9:17:35 AM



#64
Tetrachloroethene
Concen: 21.203 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010273.D
Acq: 13 Jun 2019 15:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.6	105.0	157.4
129	87.9	75.1	112.7
131	87.3	72.2	108.4





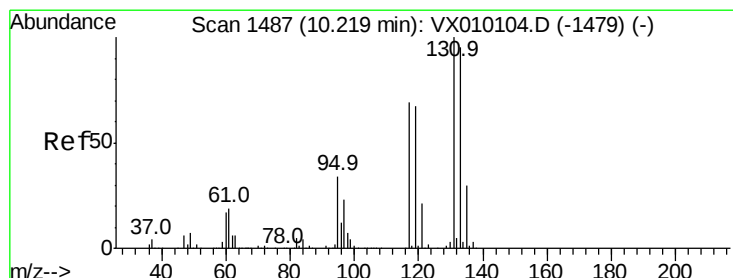
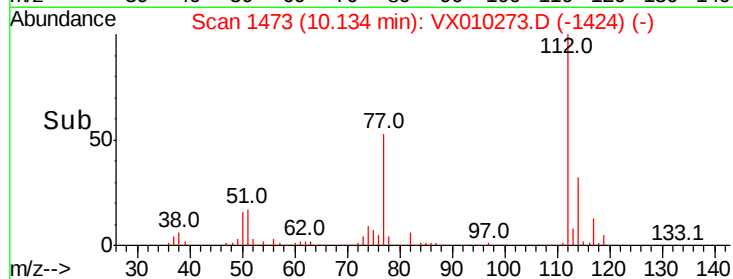
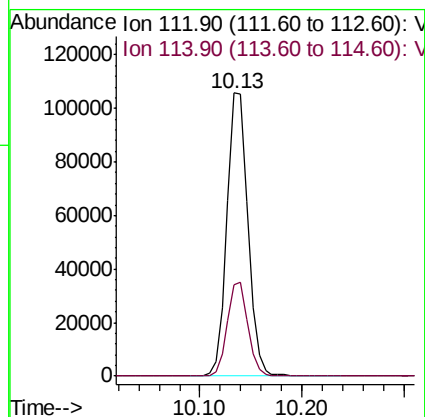
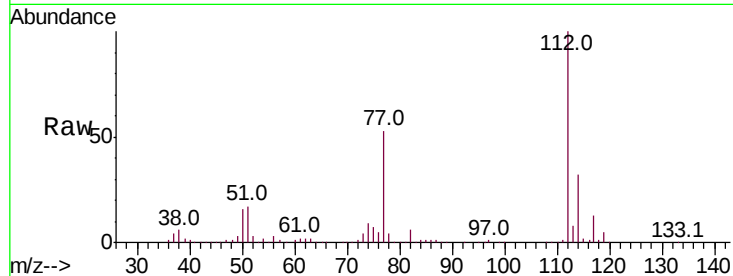
#65
Chlorobenzene
Concen: 19.710 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX010273.D
Acq: 13 Jun 2019 15:25

Instrument :
MSVOA_X
ClientSampleId :
VX0613MBS01

Tot Ion:112 Resp: 151203
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.8

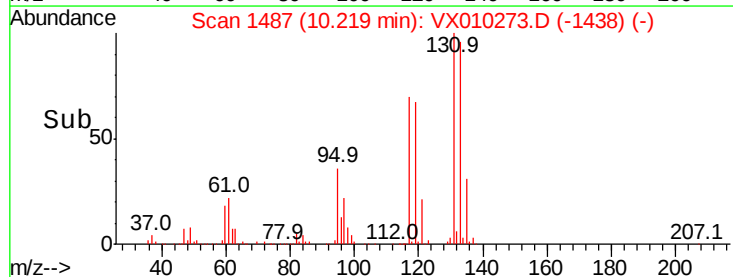
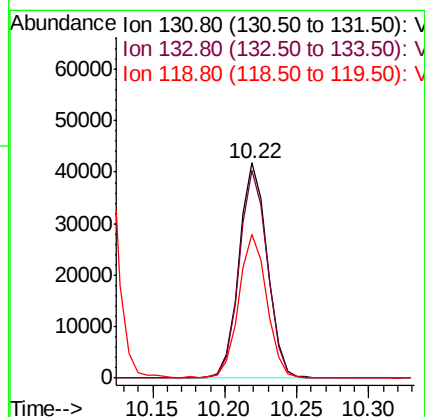
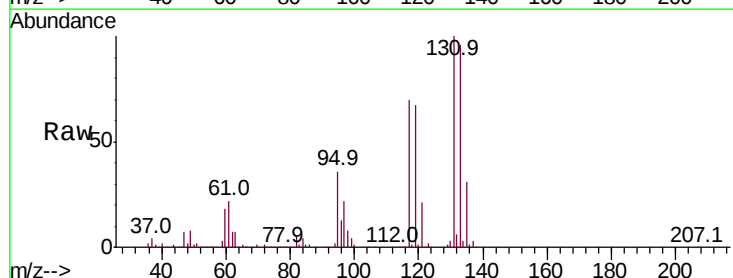
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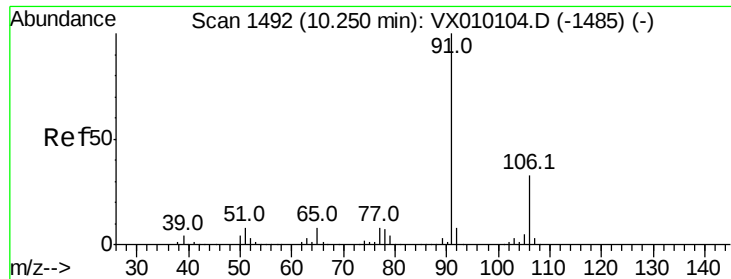
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.364 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX010273.D
Acq: 13 Jun 2019 15:25

Tgt Ion:131 Resp: 57125
Ion Ratio Lower Upper
131 100
133 96.2 47.5 142.6
119 66.5 33.4 100.1





#67

Ethyl Benzene

Concen: 19.248 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX010273.D

Acq: 13 Jun 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

VX0613MBS01

Tot Ion: 91 Resp: 251356

Ion Ratio Lower Upper

91 100

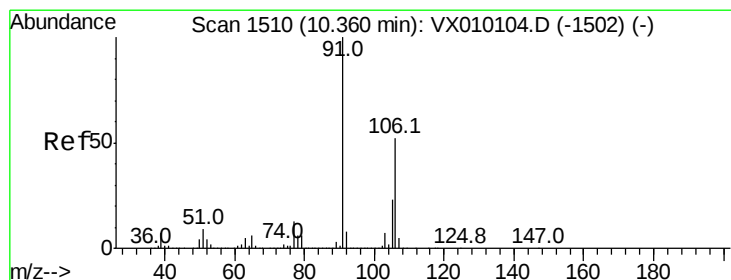
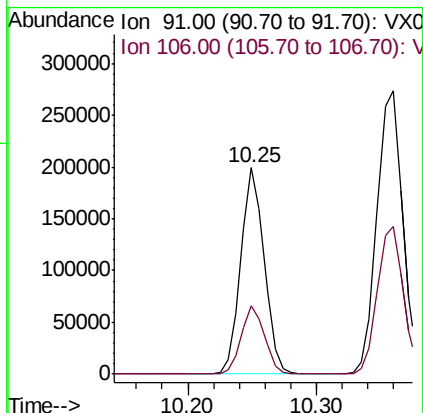
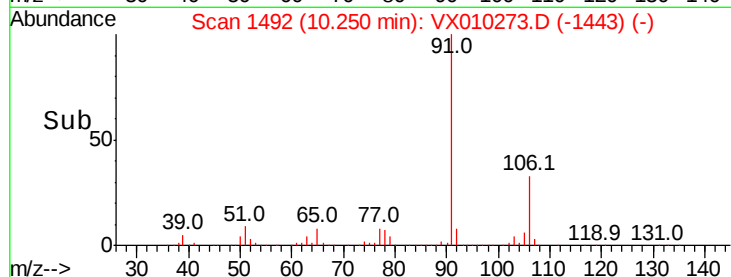
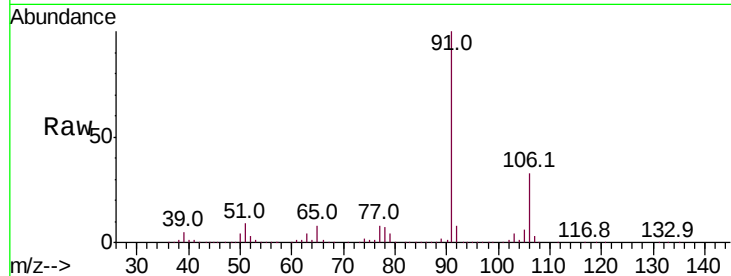
106 33.2 23.9 35.9

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#68

m/p-Xylenes

Concen: 39.039 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX010273.D

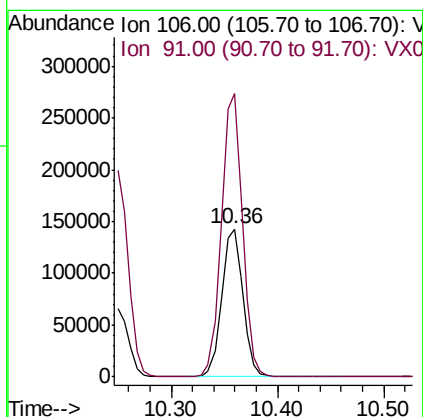
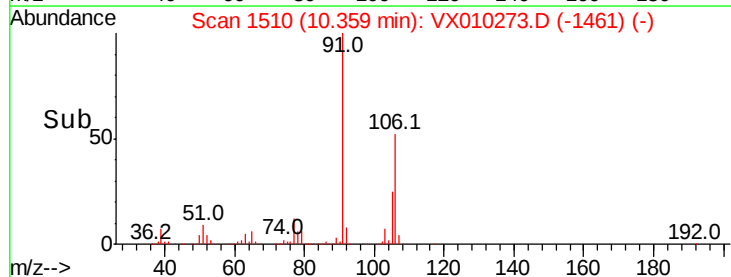
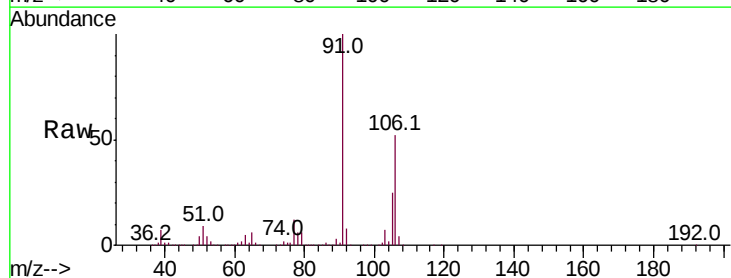
Acq: 13 Jun 2019 15:25

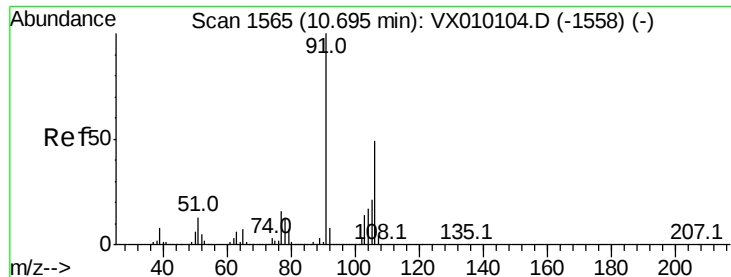
Tgt Ion: 106 Resp: 197283

Ion Ratio Lower Upper

106 100

91 191.5 167.3 250.9





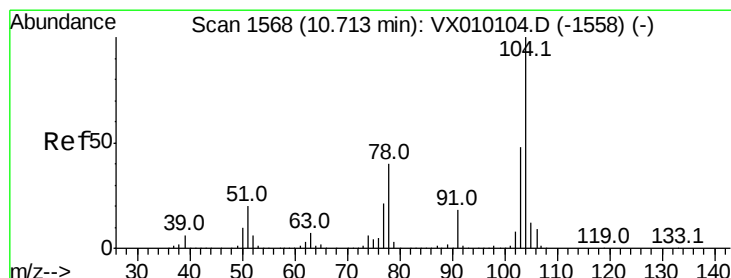
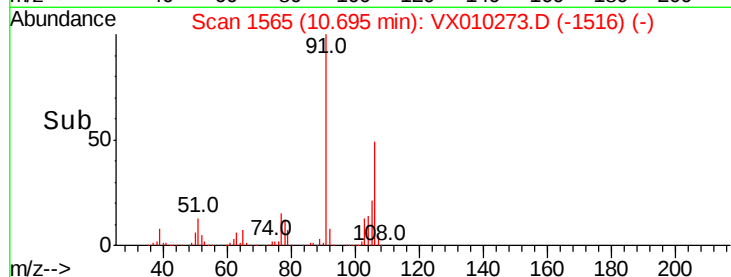
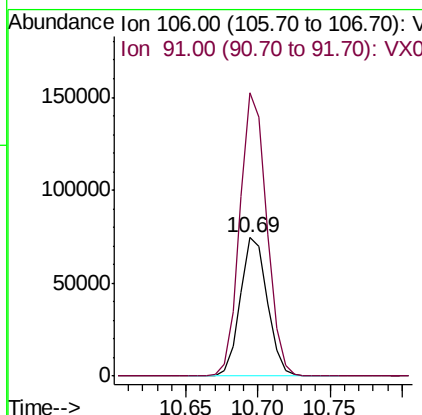
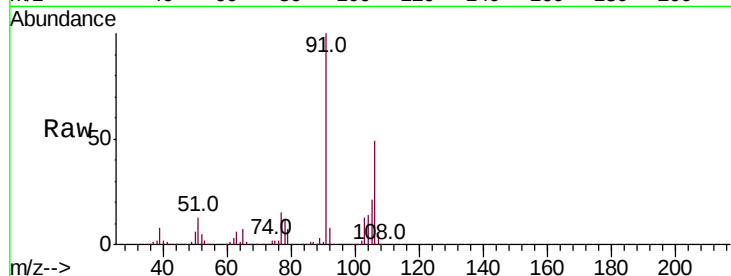
#69
o-Xylene
Concen: 19.400 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010273.D
Acq: 13 Jun 2019 15:25

Instrument :
MSVOA_X
ClientSampleId :
VX0613MBS01

Tot Ion:106 Resp: 97452
Ion Ratio Lower Upper
106 100
91 203.3 110.4 331.2

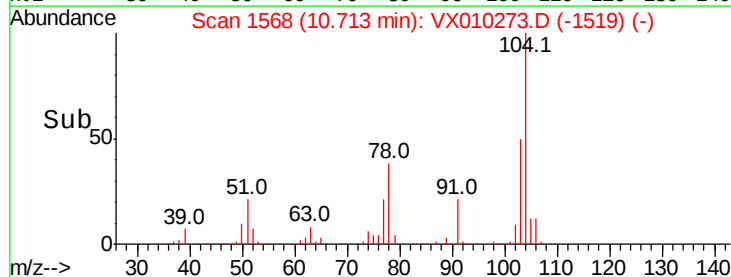
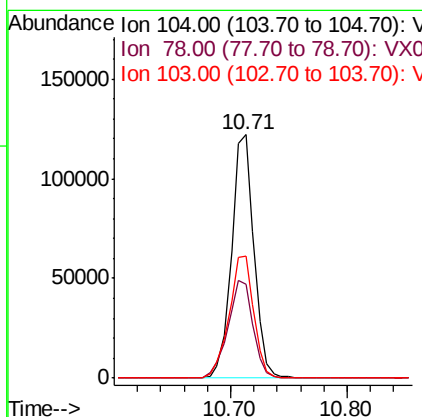
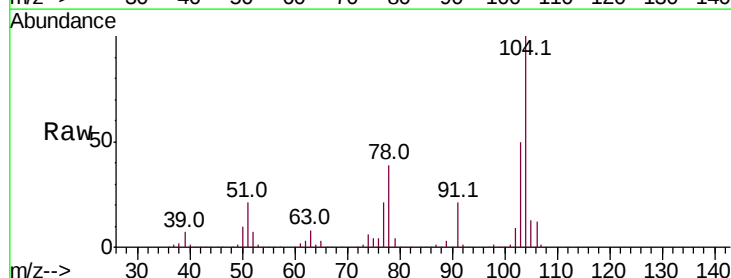
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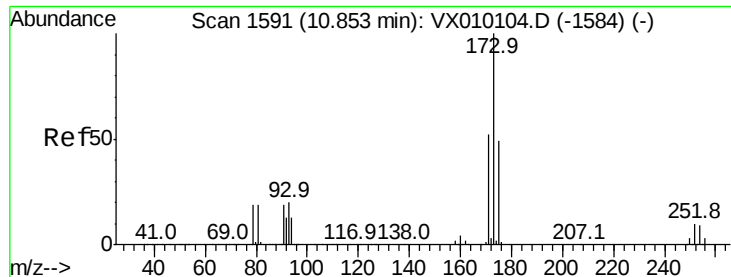
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#70
Styrene
Concen: 19.208 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX010273.D
Acq: 13 Jun 2019 15:25

Tgt Ion:104 Resp: 163417
Ion Ratio Lower Upper
104 100
78 45.1 42.1 63.1
103 55.4 44.1 66.1





#71

Bromoform

Concen: 18.061 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX010273.D

Acq: 13 Jun 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

VX0613MBS01

Tot Ion:173 Resp: 48981

Ion Ratio Lower Upper

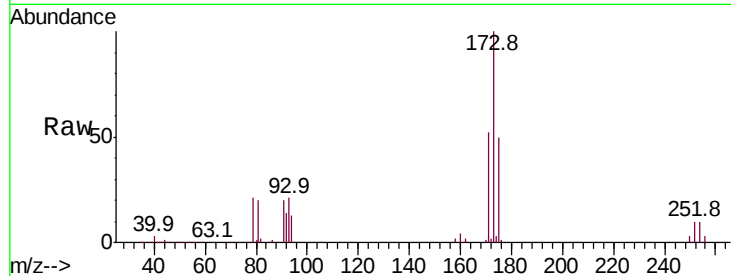
173 100

175 49.9 25.0 75.0

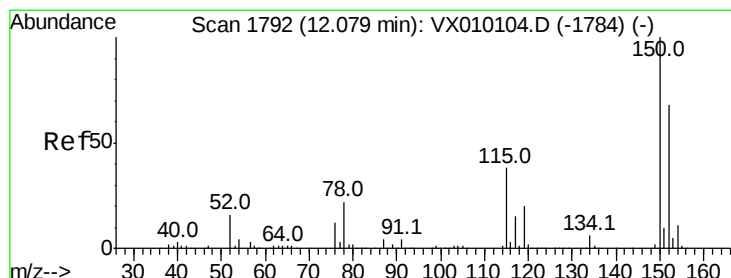
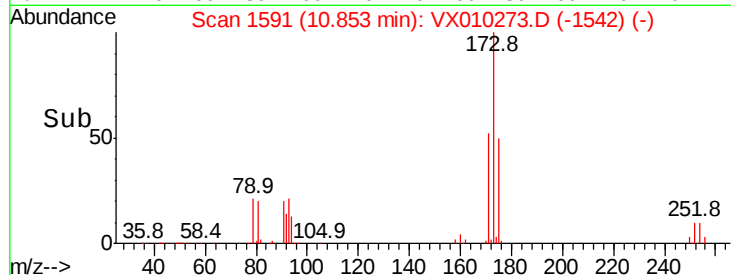
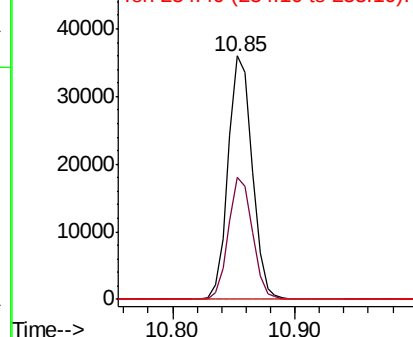
254 0.1 0.2 0.2#

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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: VX010273.D

Acq: 13 Jun 2019 15:25

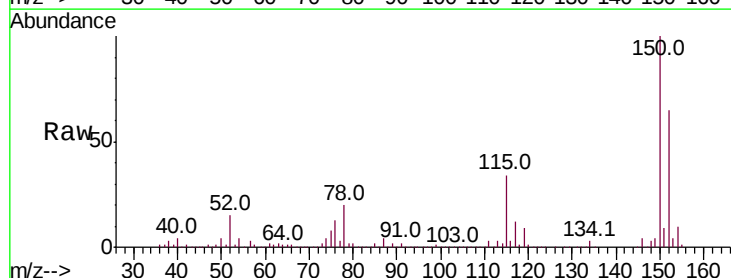
Tgt Ion:152 Resp: 191579

Ion Ratio Lower Upper

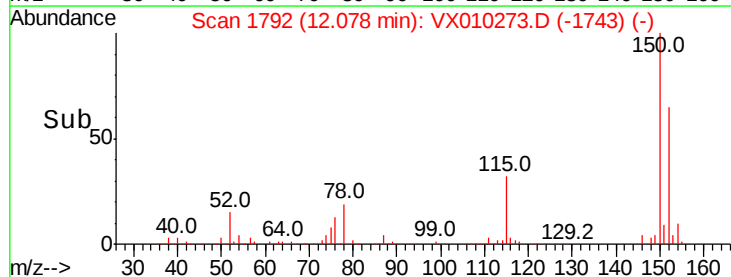
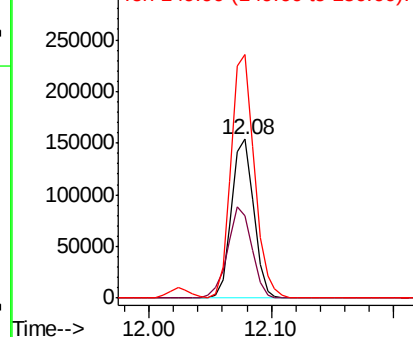
152 100

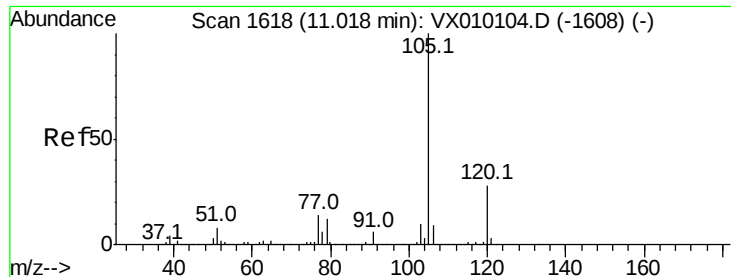
115 62.9 41.4 124.2

150 161.5 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: 19.388 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010273.D

Acq: 13 Jun 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

VX0613MBS01

Tot Ion:105 Resp: 259287

Ion Ratio Lower Upper

105 100

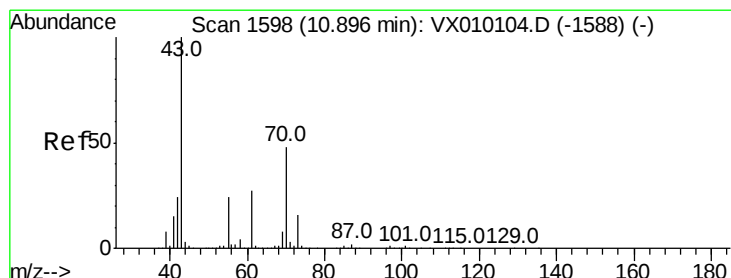
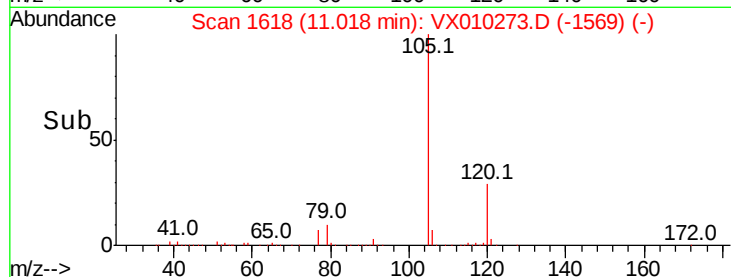
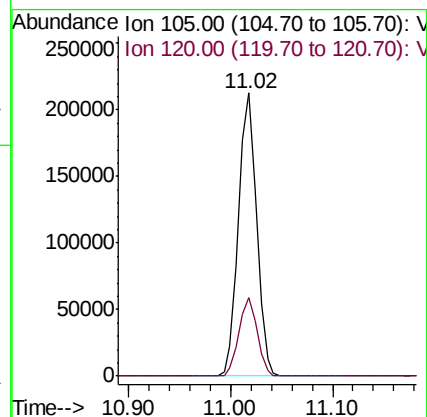
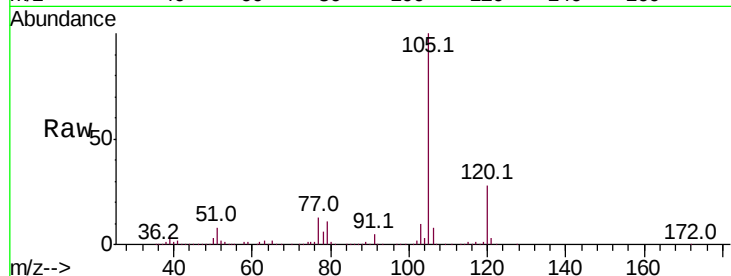
120 27.8 12.8 38.4

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#74

N-ethyl acetate

Concen: 18.826 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010273.D

Acq: 13 Jun 2019 15:25

Tgt Ion: 43 Resp: 99522

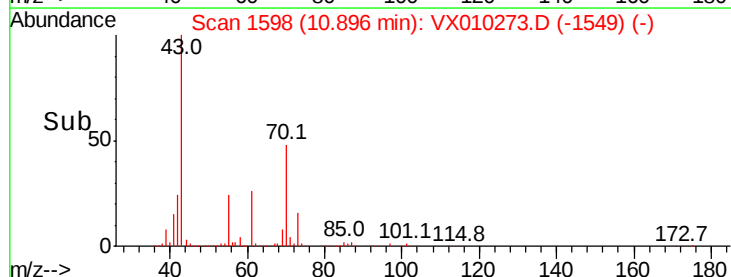
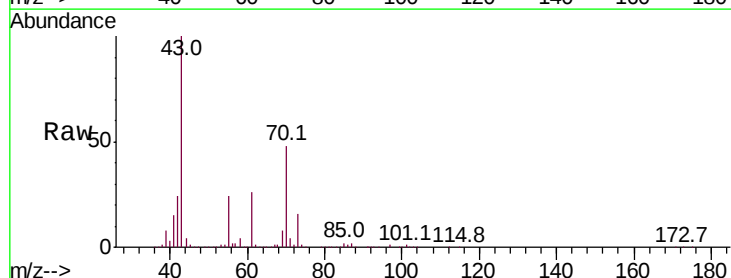
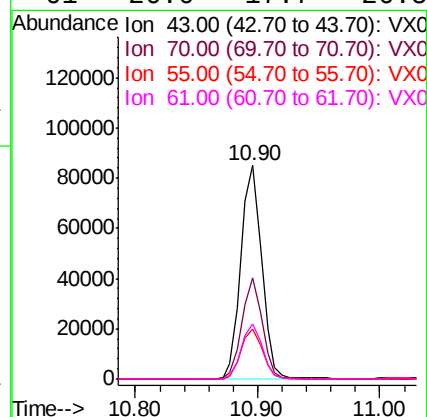
Ion Ratio Lower Upper

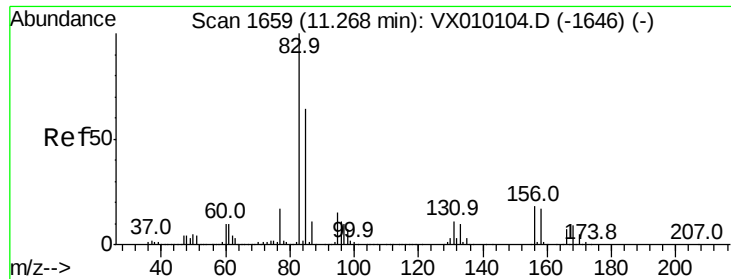
43 100

70 46.6 28.6 43.0#

55 24.5 17.8 26.8

61 26.0 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.328 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX010273.D

Acq: 13 Jun 2019 15:25

Instrument :

MSVOA_X

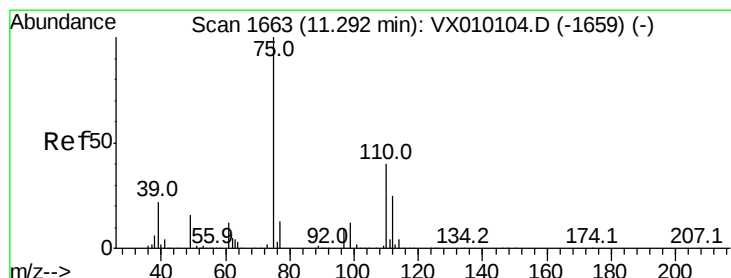
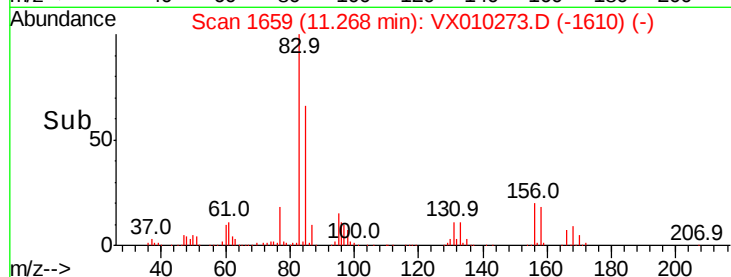
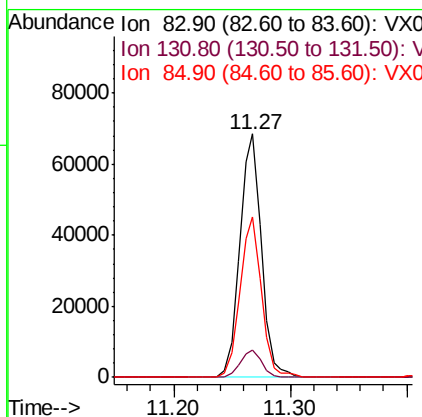
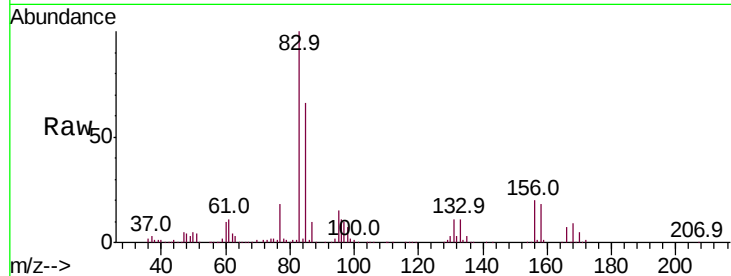
ClientSampleId :

VX0613MBS01

Tot Ion:	83	Resp:	88482
Ion Ratio	Lower	Upper	
83	100		
131	11.4	4.7	14.1
85	65.4	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 18.770 ug/l m

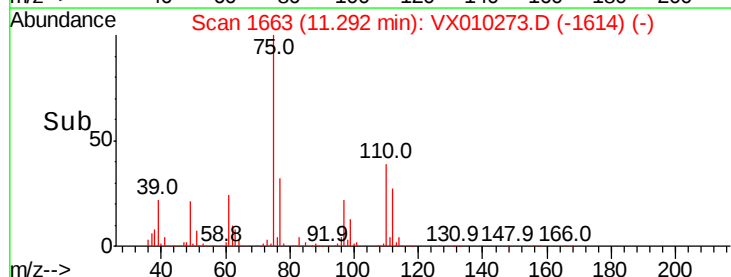
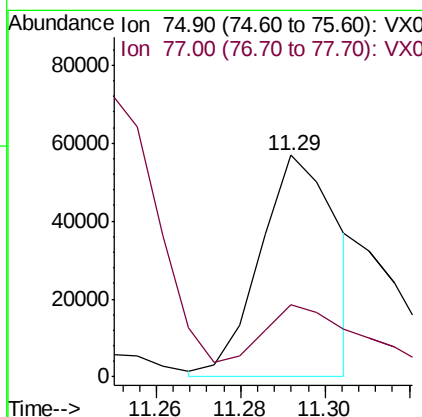
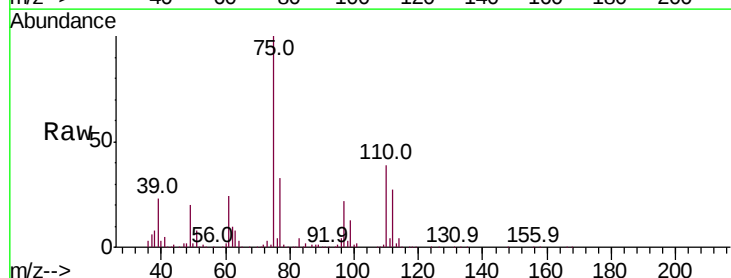
RT: 11.29 min Scan# 1663

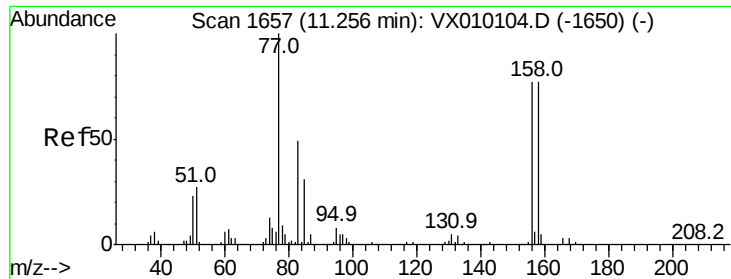
Delta R.T. -0.00 min

Lab File: VX010273.D

Acq: 13 Jun 2019 15:25

Tgt Ion:	75	Resp:	71926
Ion Ratio	Lower	Upper	
75	100		
77	45.0	22.1	66.1





#77

Bromobenzene

Concen: 19.230 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX010273.D

Acq: 13 Jun 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

VX0613MBS01

Tot Ion:156 Resp: 70721

Ion Ratio Lower Upper

156 100

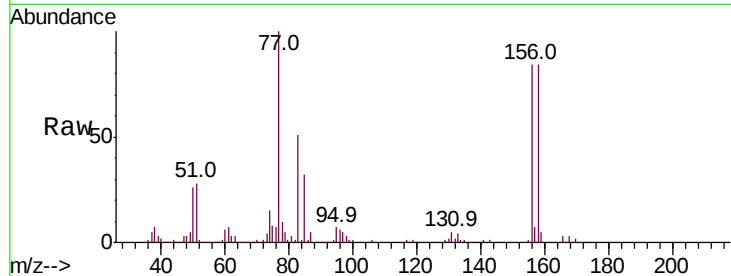
77 130.3 86.8 260.3

158 97.6 49.6 148.8

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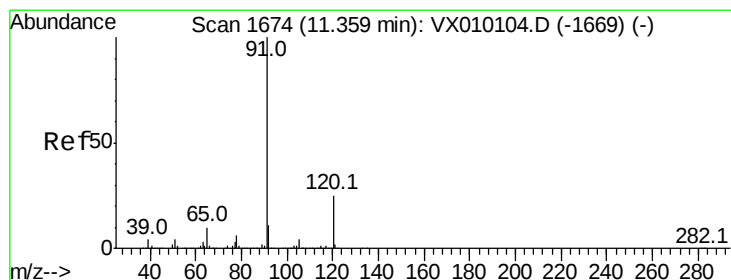
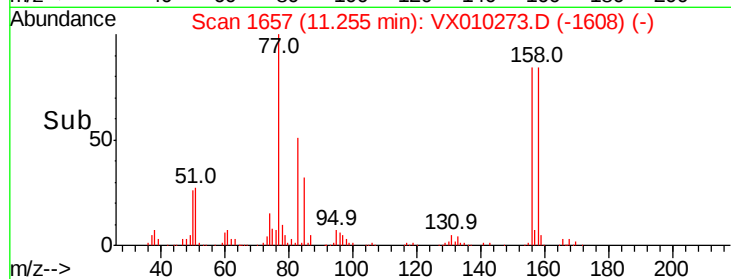
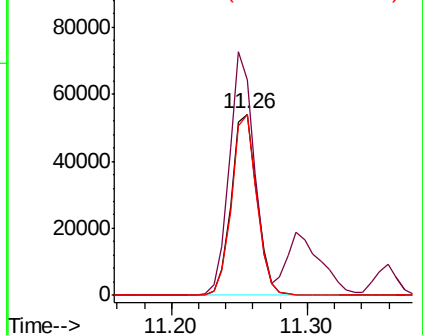
6/14/2019 9:17:35 AM



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: 18.757 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010273.D

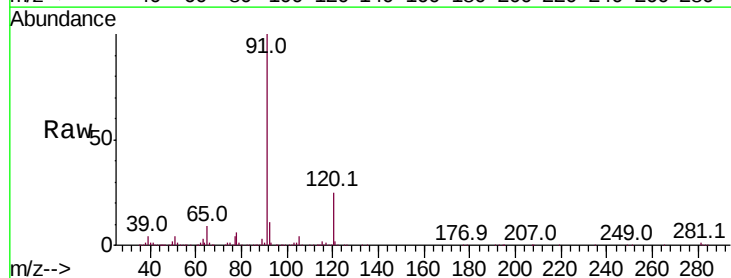
Acq: 13 Jun 2019 15:25

Tgt Ion: 91 Resp: 279265

Ion Ratio Lower Upper

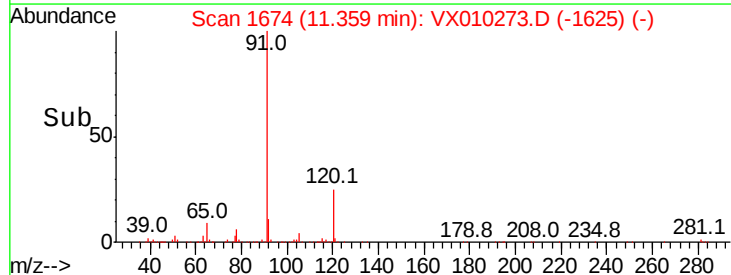
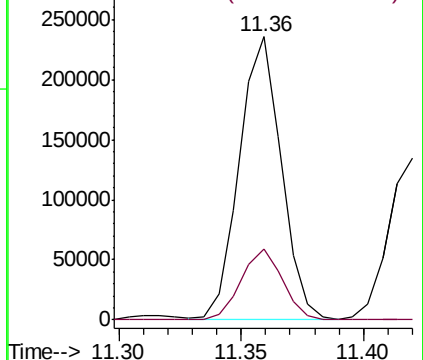
91 100

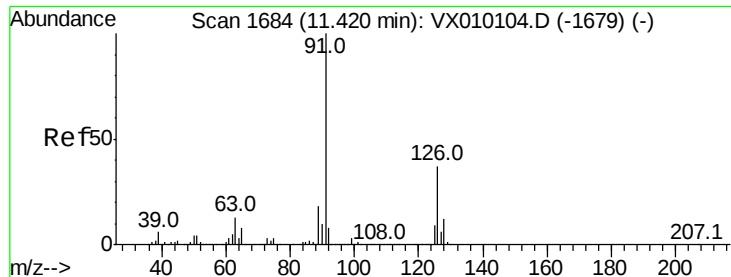
120 24.9 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.491 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010273.D

Acq: 13 Jun 2019 15:25

Instrument :

MSVOA_X

ClientSampled :

VX0613MBS01

Tot Ion: 91 Resp: 165348

Ion Ratio Lower Upper

91 100

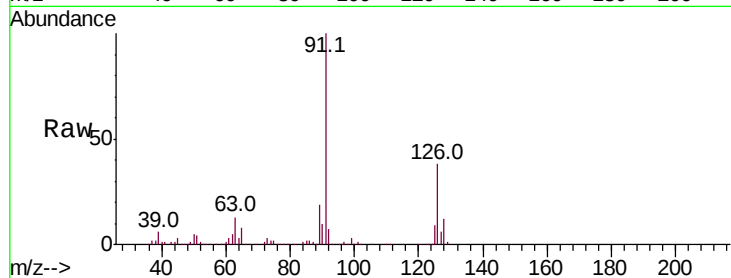
126 37.8 16.1 48.3

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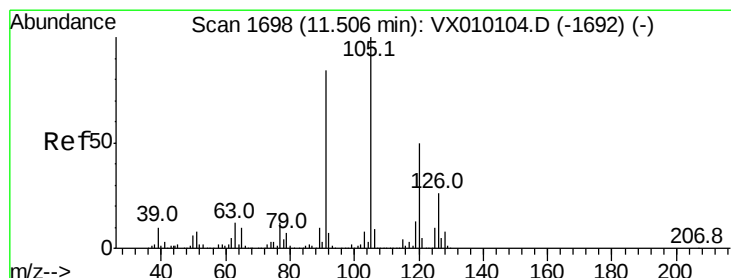
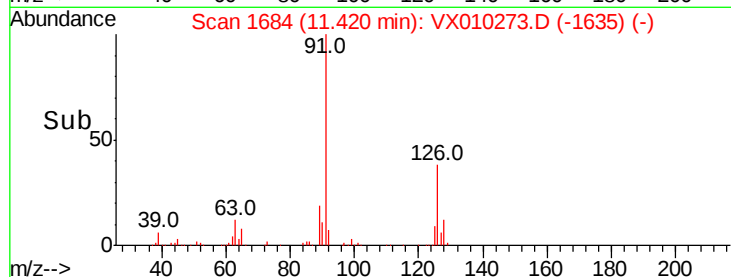
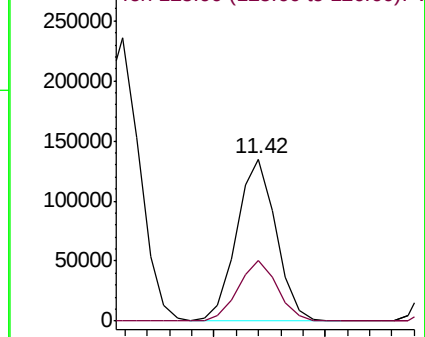
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 18.891 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010273.D

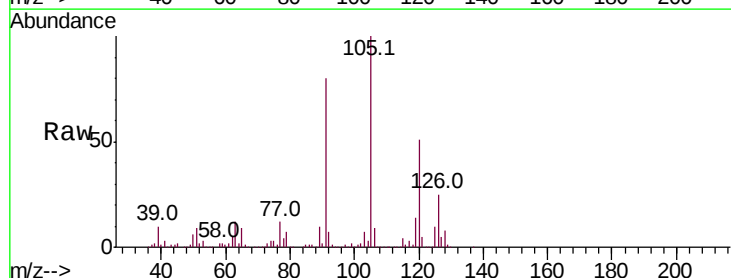
Acq: 13 Jun 2019 15:25

Tgt Ion:105 Resp: 212788

Ion Ratio Lower Upper

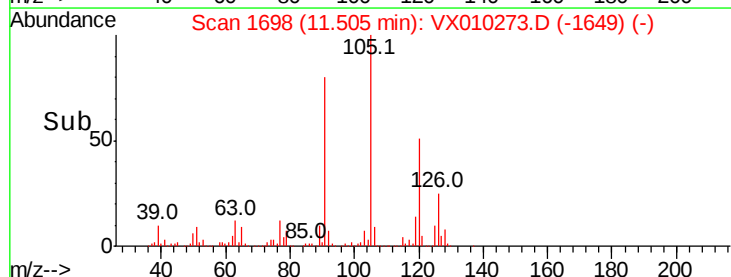
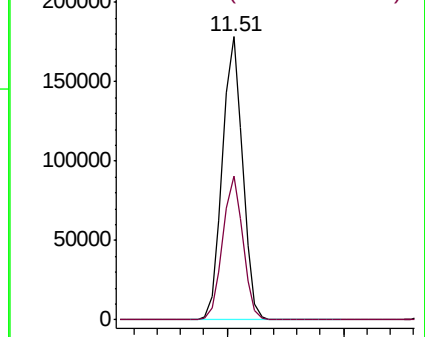
105 100

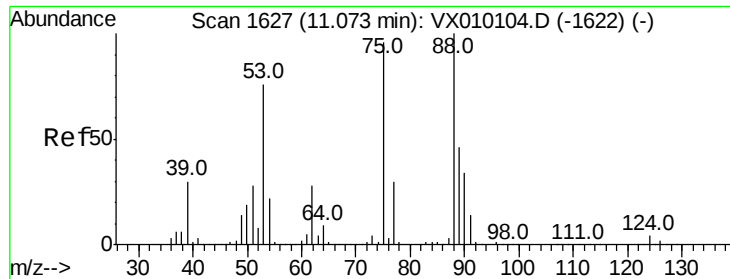
120 50.7 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





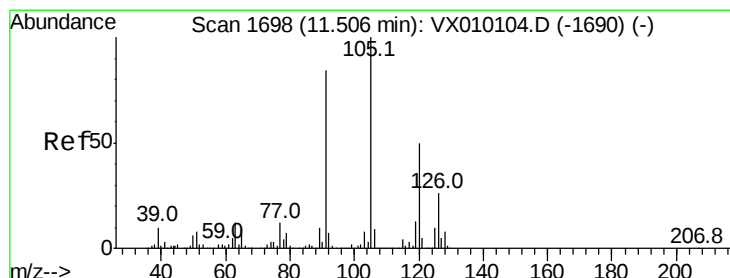
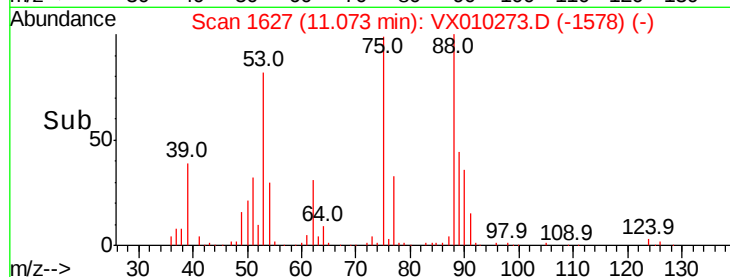
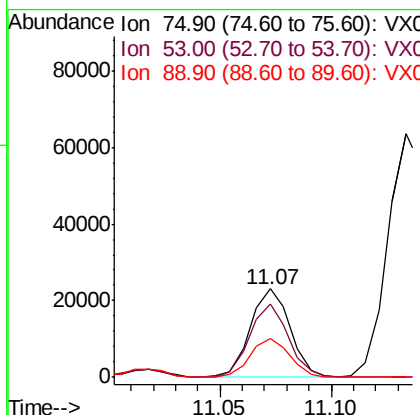
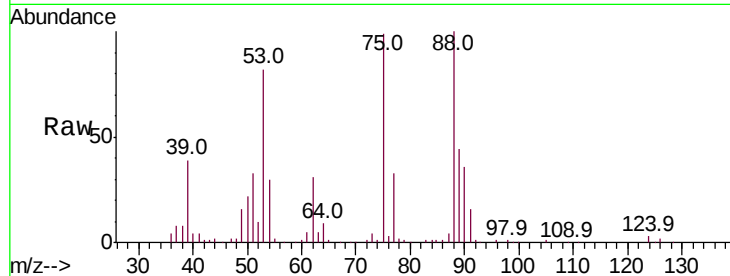
#81
trans-1,4-Dichloro-2-butene
Concen: 16.571 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX010273.D
Acq: 13 Jun 2019 15:25

Instrument :
MSVOA_X
ClientSampleId :
VX0613MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	81.9	79.8	119.6
89	44.6	34.2	51.4

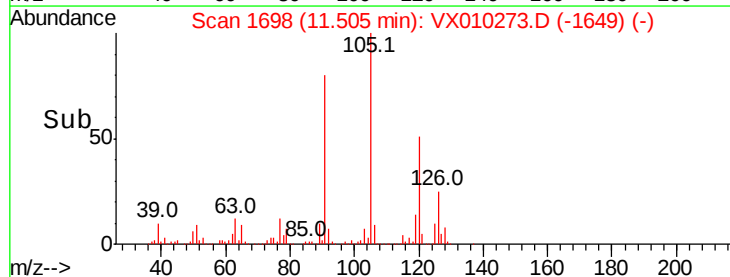
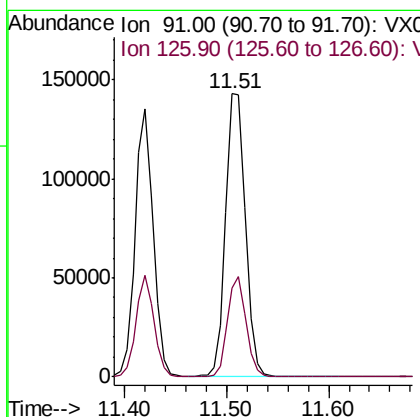
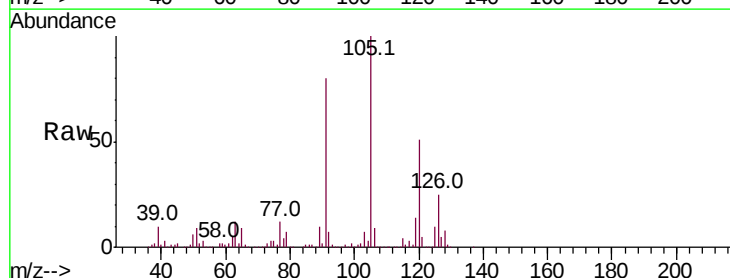
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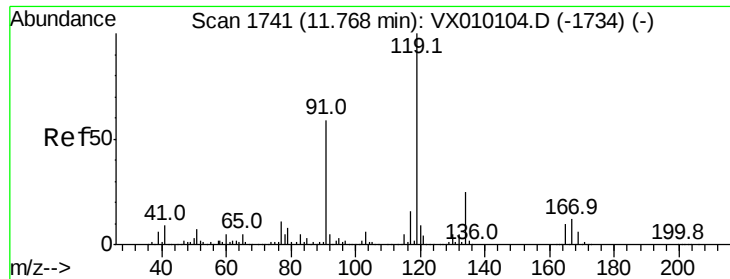
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#82
4-Chlorotoluene
Concen: 18.919 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX010273.D
Acq: 13 Jun 2019 15:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	14.2	42.6





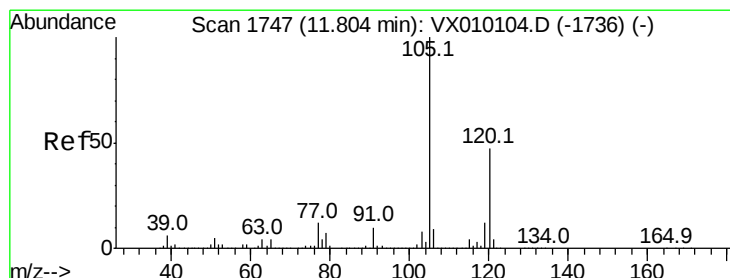
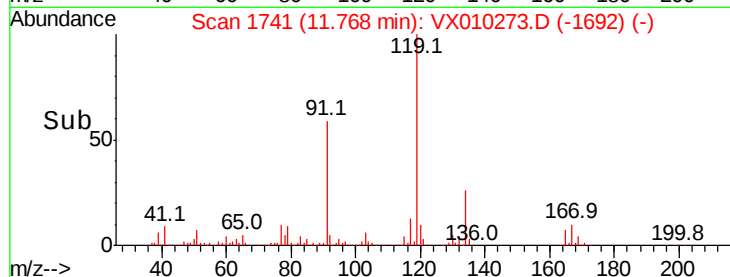
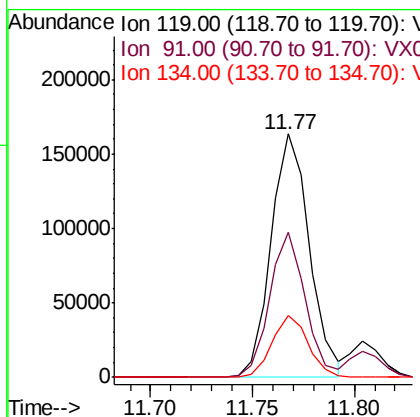
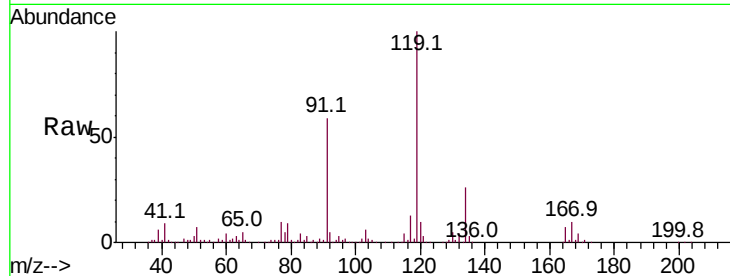
#83
tert-Butylbenzene
Concen: 18.865 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX010273.D
Acq: 13 Jun 2019 15:25

Instrument :
MSVOA_X
ClientSampleId :
VX0613MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	215076		
91	55.1	30.0	90.0	
134	23.9	11.2	33.5	

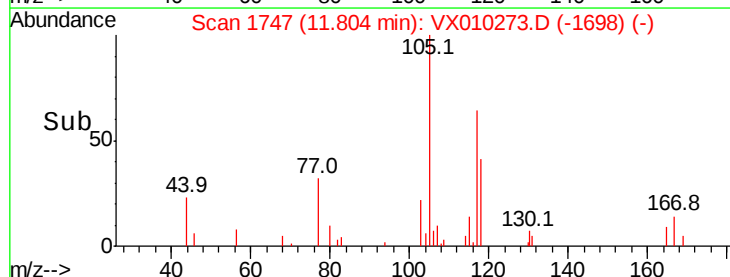
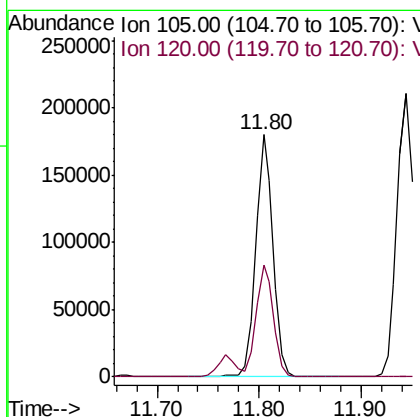
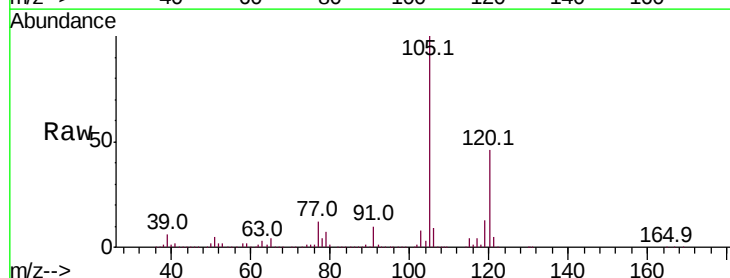
Manual Integrations
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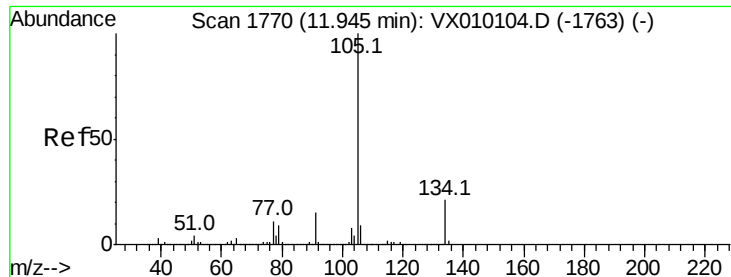
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6/14/2019 9:17:35 AM



#84
1,2,4-Trimethylbenzene
Concen: 18.888 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX010273.D
Acq: 13 Jun 2019 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	214899		
120	46.2	22.1	66.1	





#85

sec-Butylbenzene

Concen: 18.801 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010273.D

Acq: 13 Jun 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

VX0613MBS01

Tot Ion:105 Resp: 249721

Ion Ratio Lower Upper

105 100

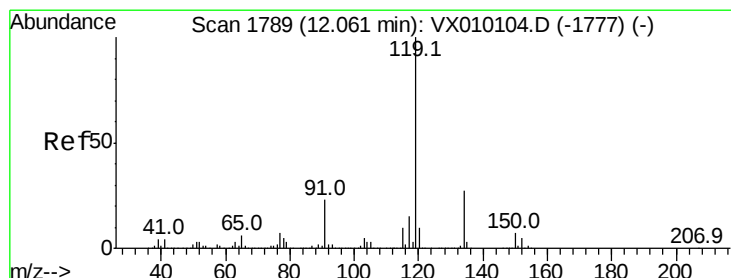
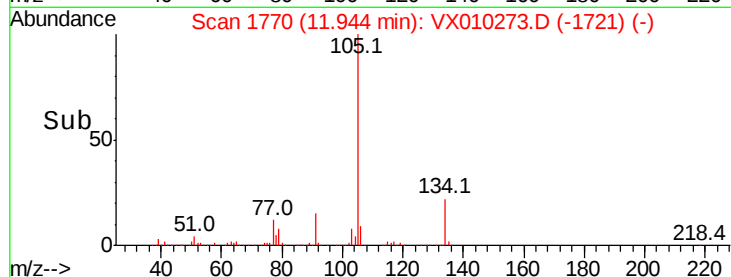
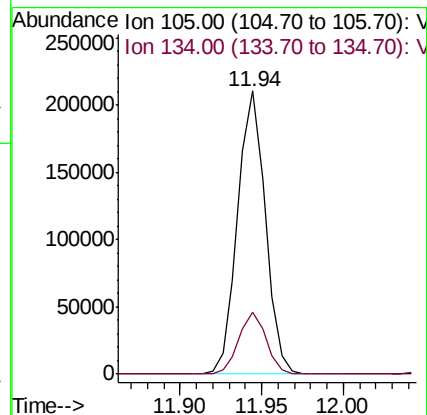
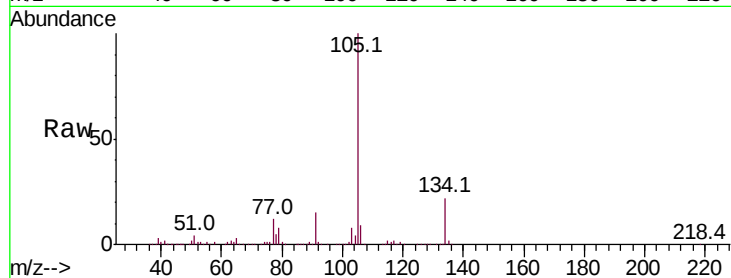
134 21.5 9.7 28.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.039 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010273.D

Acq: 13 Jun 2019 15:25

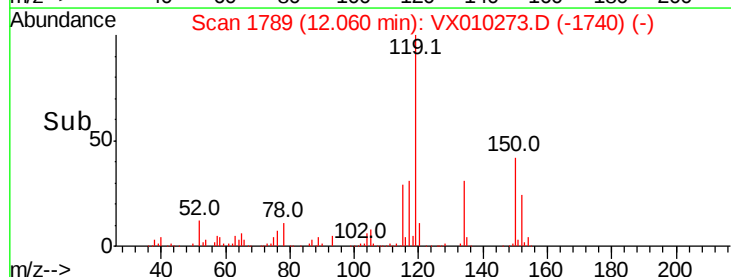
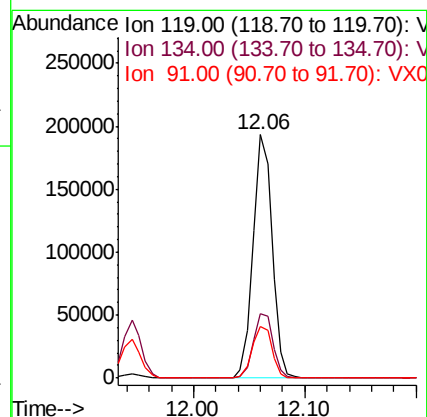
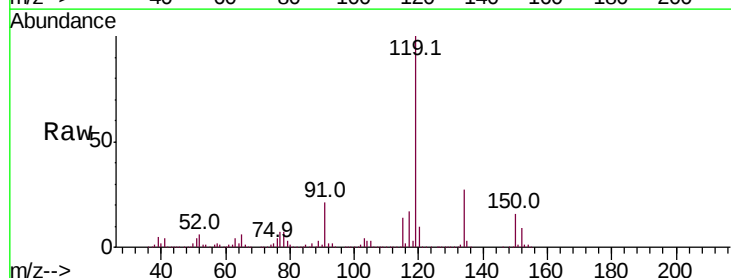
Tgt Ion:119 Resp: 231176

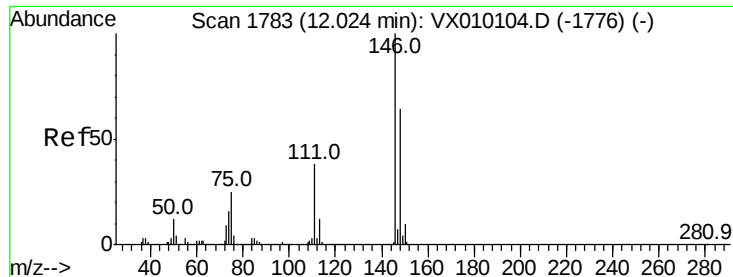
Ion Ratio Lower Upper

119 100

134 27.3 12.9 38.6

91 22.1 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 19.429 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX010273.D

Acq: 13 Jun 2019 15:25

Instrument :

MSVOA_X

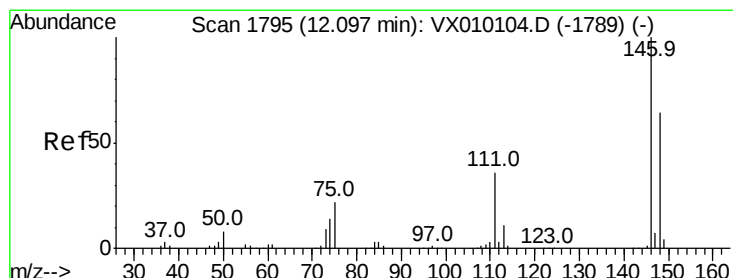
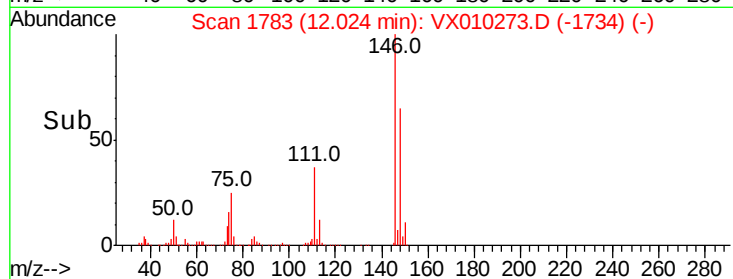
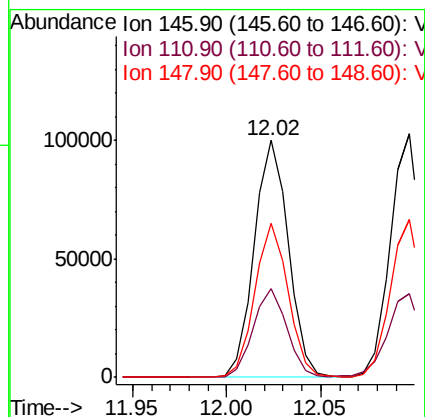
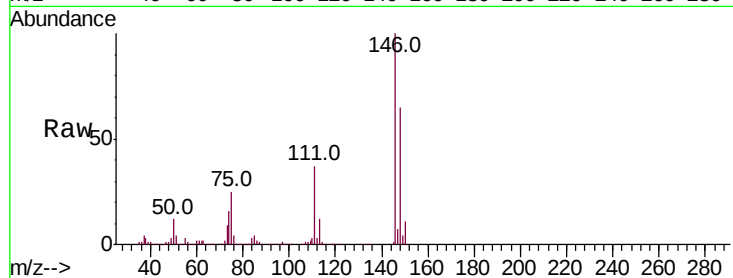
ClientSampleId :

VX0613MBS01

Tot Ion:	146	Resp:	125857
Ion Ratio	Lower	Upper	
146	100		
111	36.8	20.1	60.2
148	63.2	31.9	95.5

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#88

1,4-Dichlorobenzene

Concen: 19.091 ug/l

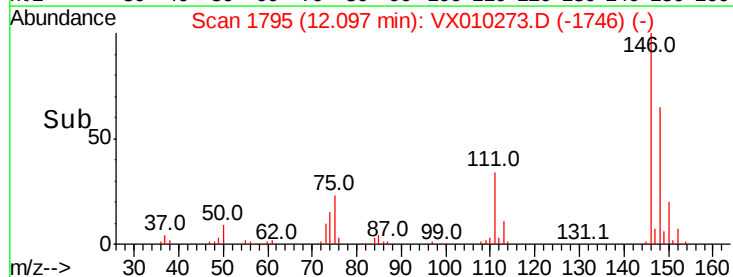
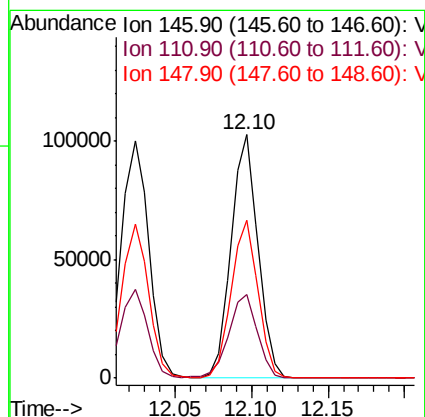
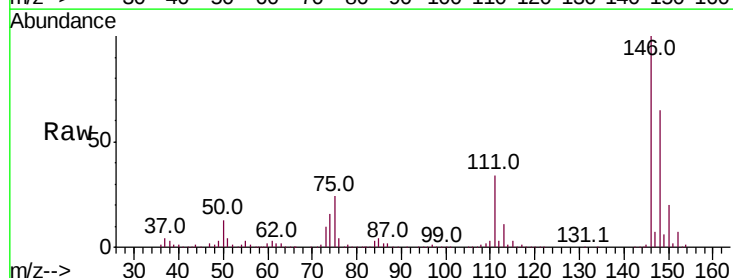
RT: 12.10 min Scan# 1795

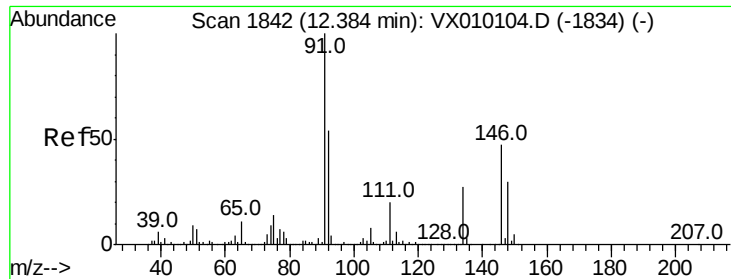
Delta R.T. -0.00 min

Lab File: VX010273.D

Acq: 13 Jun 2019 15:25

Tgt Ion:	146	Resp:	124667
Ion Ratio	Lower	Upper	
146	100		
111	36.9	20.0	59.9
148	65.2	32.3	96.9





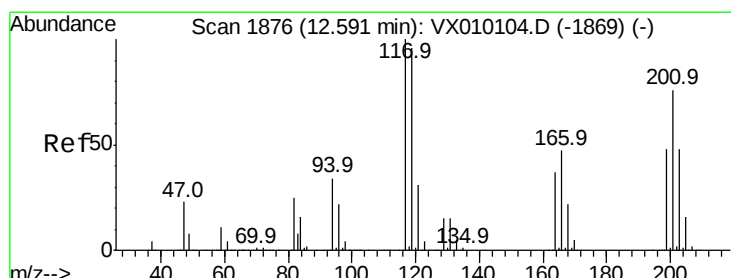
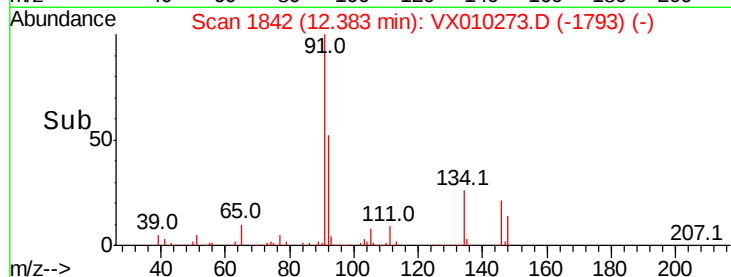
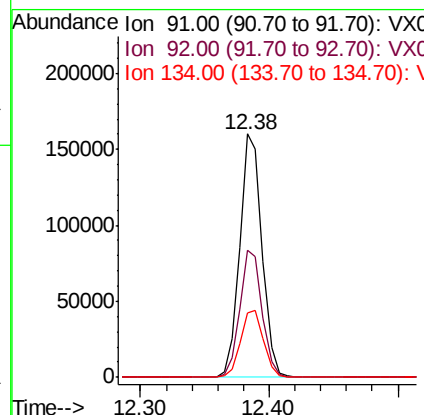
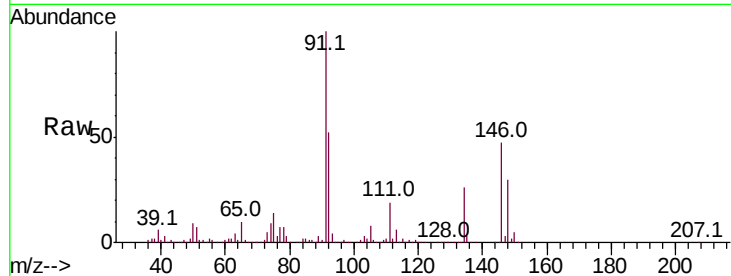
#89
n-Butylbenzene
Concen: 18.374 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010273.D
Acq: 13 Jun 2019 15:25

Instrument :
MSVOA_X
ClientSampleId :
VX0613MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.3	78.8
134	28.5	12.3	36.8

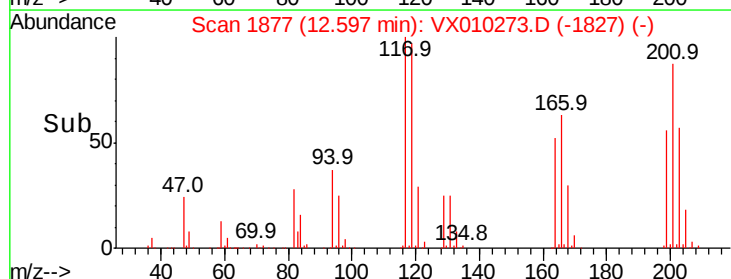
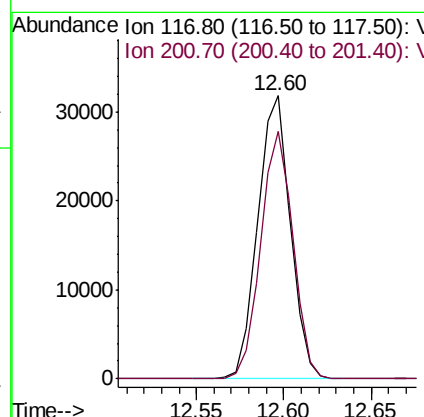
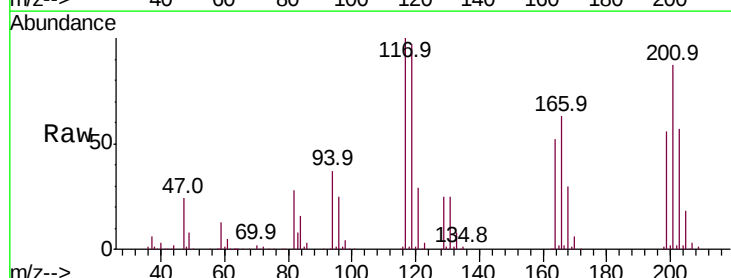
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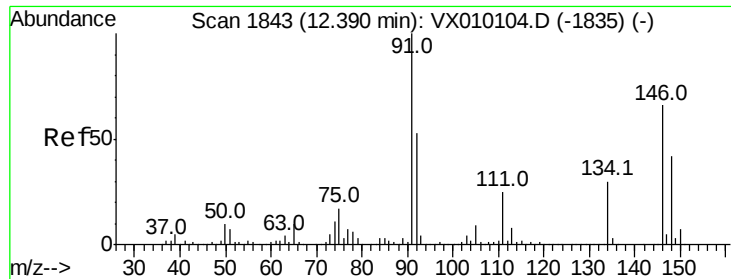
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#90
Hexachloroethane
Concen: 17.071 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX010273.D
Acq: 13 Jun 2019 15:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.0	43.6	130.9





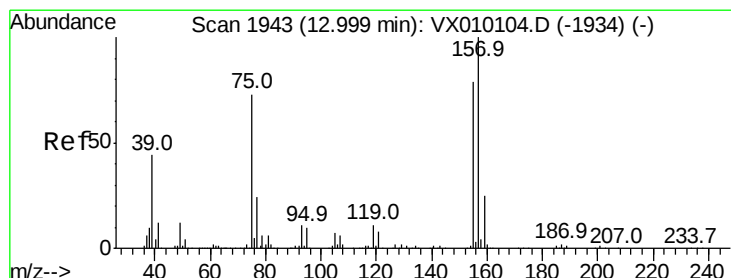
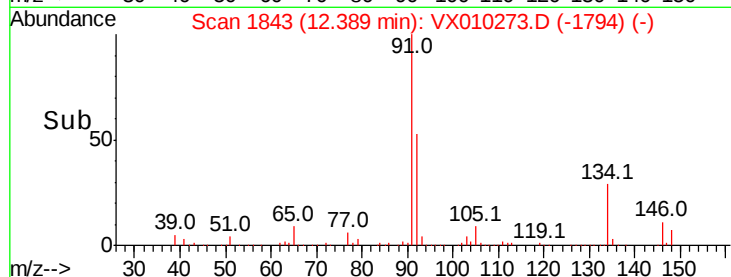
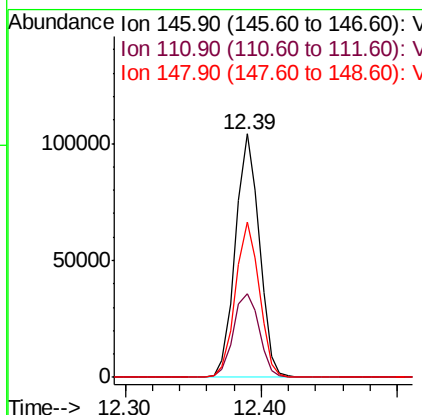
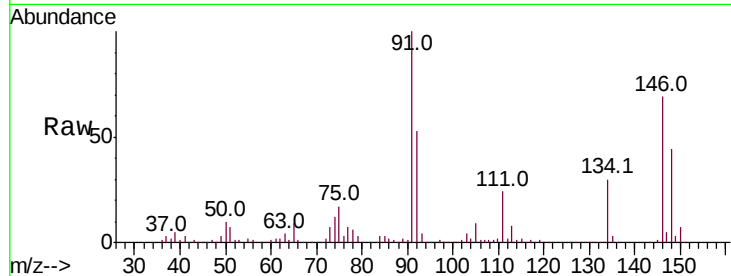
#91
 1,2-Dichlorobenzene
 Concen: 20.243 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX010273.D
 Acq: 13 Jun 2019 15:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	127484		
111	37.0	21.1	63.1	
148	63.5	32.3	96.8	

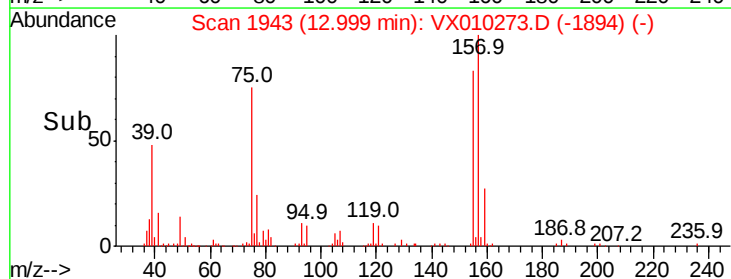
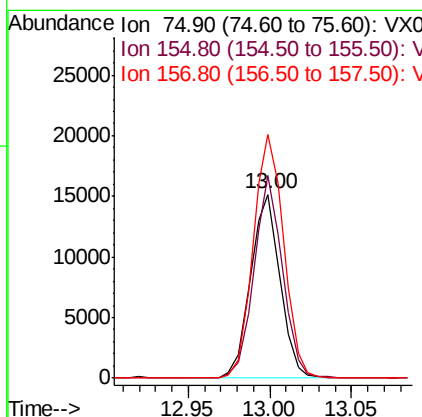
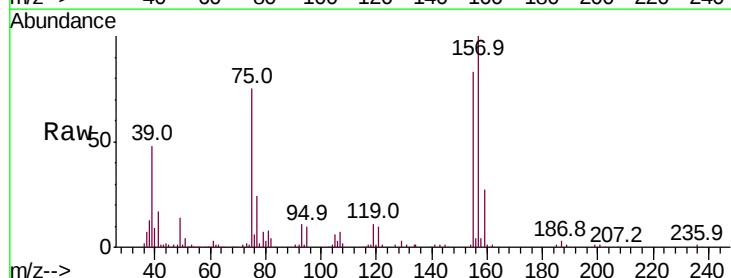
Manual Integrations
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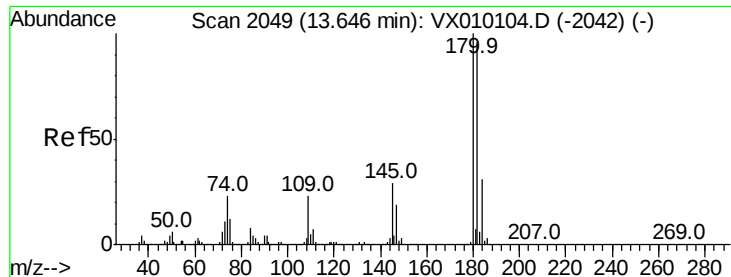
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 6/14/2019 9:17:35 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.743 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX010273.D
 Acq: 13 Jun 2019 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	19114		
155	105.8	39.3	117.8	
157	136.3	50.6	151.8	





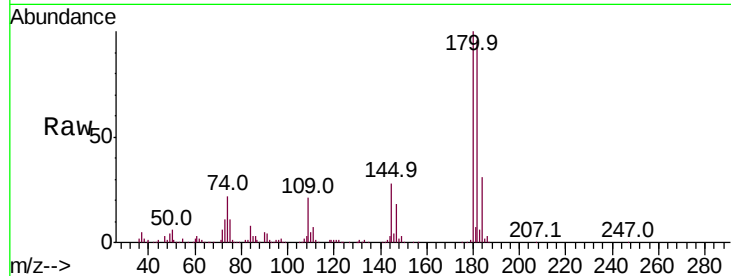
#93
 1,2,4-Trichlorobenzene
 Concen: 18.713 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX010273.D
 Acq: 13 Jun 2019 15:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613MBS01

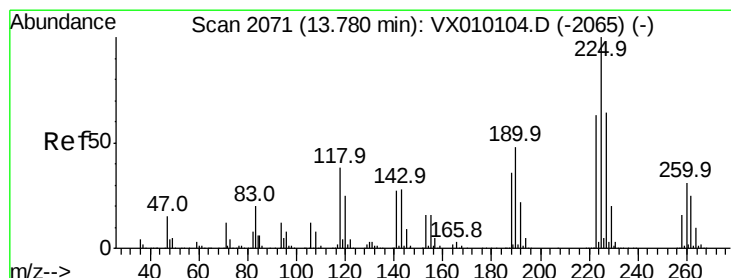
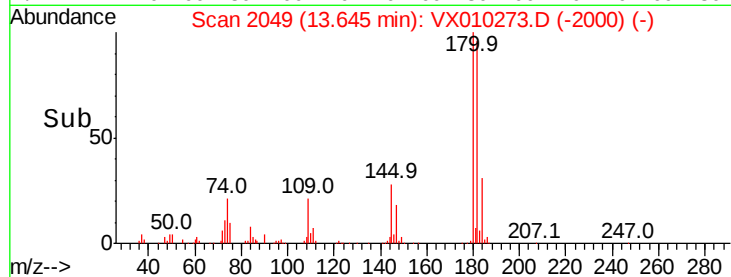
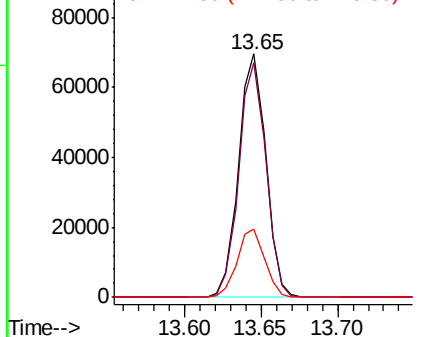
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.3	47.4	142.2	
145	28.5	14.5	43.5	

Manual Integrations
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MMDadoda
 6/14/2019 9:17:35 AM

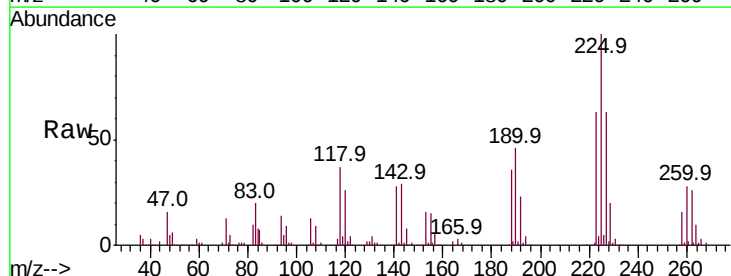


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

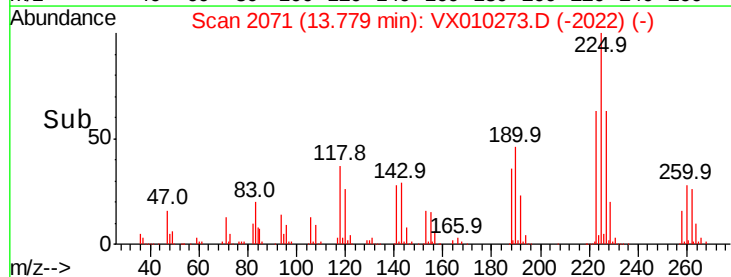
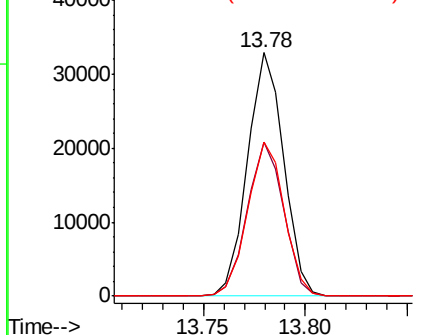


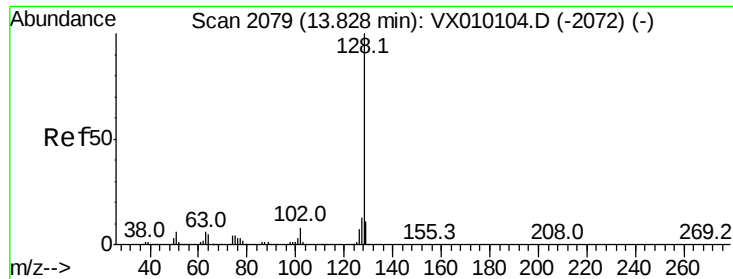
#94
 Hexachlorobutadiene
 Concen: 19.804 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX010273.D
 Acq: 13 Jun 2019 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.5	31.3	93.8	
227	63.9	32.3	96.8	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





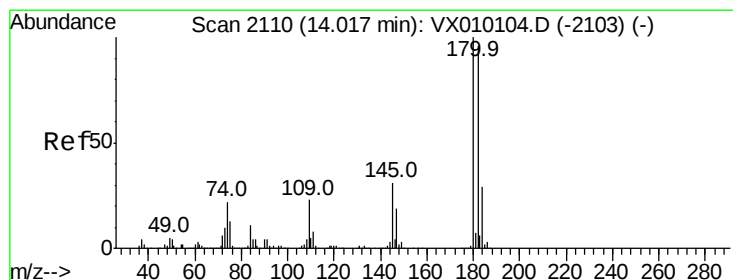
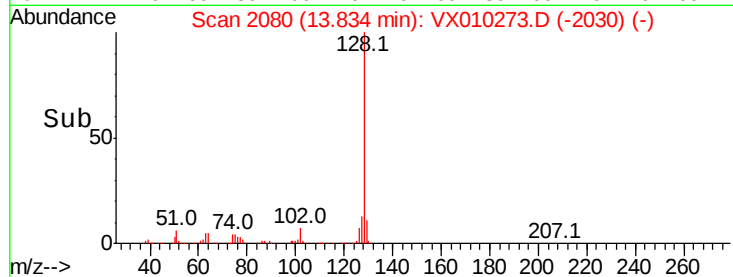
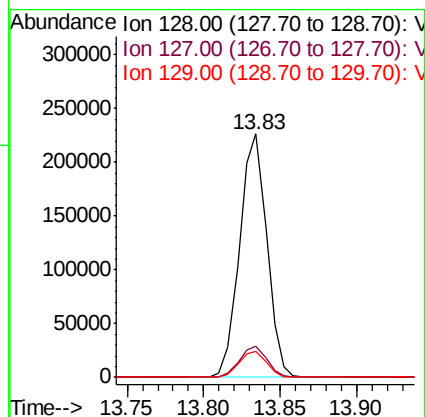
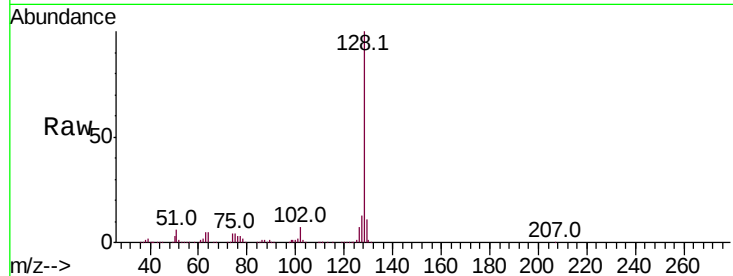
#95
Naphthalene
Concen: 19.289 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.01 min
Lab File: VX010273.D
Acq: 13 Jun 2019 15:25

Instrument :
MSVOA_X
ClientSampleId :
VX0613MBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	279913		
127	12.8	10.6	16.0	
129	10.8	8.8	13.2	

Manual Integrations
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6/14/2019 9:17:35 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.959 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX010273.D
Acq: 13 Jun 2019 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	86413		
182	96.9	47.3	142.0	
145	31.5	15.6	46.7	

