

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061719\
 Data File : VX010325.D
 Acq On : 17 Jun 2019 15:35
 Operator : JC/SP
 Sample : VX0617MBS01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0617MBS01

Manual Integrations
 APPROVED

MMDadoda
 6/18/2019 11:26:46 AM

Quant Time: Jun 17 16:28:42 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	296095	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	438457	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	391834	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	204632	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	148409	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
35) Dibromofluoromethane	5.50	113	145964	53.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.94%	
50) Toluene-d8	8.71	98	538616	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	
62) 4-Bromofluorobenzene	11.13	95	195630	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	47593	17.469	ug/l	96
3) Chloromethane	1.33	50	42583	15.738	ug/l	98
4) Vinyl Chloride	1.41	62	42758	16.814	ug/l	98
5) Bromomethane	1.64	94	22975	23.942	ug/l	96
6) Chloroethane	1.72	64	25343	19.766	ug/l	99
7) Trichlorofluoromethane	1.93	101	70433	18.646	ug/l	98
8) Diethyl Ether	2.19	74	24107	18.516	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	2.39	101	43550	16.725	ug/l	92
10) Methyl Iodide	2.51	142	51674	12.808	ug/l	97
11) Tert butyl alcohol	3.04	59	66805	94.354	ug/l	97
12) 1,1-Dichloroethene	2.37	96	41849	15.735	ug/l	80
13) Acrolein	2.29	56	8296	64.260	ug/l	96
14) Allyl chloride	2.73	41	61946	15.430	ug/l #	85
15) Acrylonitrile	3.14	53	123515	85.348	ug/l	99
16) Acetone	2.44	43	120882	88.924	ug/l	90
17) Carbon Disulfide	2.57	76	100096	13.025	ug/l	99
18) Methyl Acetate	2.78	43	54653	18.281	ug/l #	84
19) Methyl tert-butyl Ether	3.20	73	140744	16.472	ug/l	95
20) Methylene Chloride	2.85	84	49110	16.450	ug/l #	79
21) trans-1,2-Dichloroethene	3.17	96	44595	15.152	ug/l #	77
22) Diisopropyl ether	3.85	45	131318	17.109	ug/l #	94
23) Vinyl Acetate	3.81	43	571302	83.433	ug/l #	88
24) 1,1-Dichloroethane	3.70	63	76336	16.380	ug/l	97
25) 2-Butanone	4.67	43	177612	87.742	ug/l #	86
26) 2,2-Dichloropropane	4.59	77	67391	15.851	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	53821	16.438	ug/l	79
28) Bromochloromethane	5.02	49	37355	17.885	ug/l #	49
29) Tetrahydrofuran	5.13	42	106862	84.001	ug/l #	76
30) Chloroform	5.21	83	80157	16.562	ug/l	99
31) Cyclohexane	5.58	56	66207	15.741	ug/l #	76
32) 1,1,1-Trichloroethane	5.49	97	71885	15.799	ug/l	94
36) 1,1-Dichloropropene	5.80	75	56034	15.664	ug/l	92
37) Ethyl Acetate	4.83	43	61020	16.395	ug/l #	89
38) Carbon Tetrachloride	5.79	117	63571	15.701	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	73681	15.127	ug/l #	85
40) Benzene	6.14	78	180334	16.303	ug/l	99
41) Methacrylonitrile	5.05	41	33449	16.614	ug/l #	82
42) 1,2-Dichloroethane	6.20	62	57612	16.315	ug/l	94
43) Isopropyl Acetate	6.45	43	103203	16.584	ug/l #	90
44) Trichloroethene	7.21	130	52969	15.887	ug/l	90
45) 1,2-Dichloropropane	7.51	63	46659	16.853	ug/l	99
46) Dibromomethane	7.66	93	33281	16.046	ug/l	91
47) Bromodichloromethane	7.90	83	62049	16.010	ug/l #	98
48) Methyl methacrylate	7.77	41	48922	16.810	ug/l #	78
49) 1,4-Dioxane	7.74	88	27636	333.057	ug/l #	82
51) 4-Methyl-2-Pentanone	8.64	43	331384	89.139	ug/l	89
52) Toluene	8.78	92	117096	16.104	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	68701	15.325	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	75052	15.617	ug/l #	89
55) 1,1,2-Trichloroethane	9.21	97	51463	17.282	ug/l	98
56) Ethyl methacrylate	9.18	69	76861	16.340	ug/l #	82
57) 1,3-Dichloropropane	9.37	76	77454	16.521	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.31	63	210228	94.803	ug/l #	86
59) 2-Hexanone	9.49	43	265569	89.595	ug/l	90
60) Dibromochloromethane	9.58	129	55520	15.763	ug/l	99
61) 1,2-Dibromoethane	9.67	107	53041	15.993	ug/l	97
64) Tetrachloroethene	9.34	164	50439	17.332	ug/l	96
65) Chlorobenzene	10.13	112	135536	16.759	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	51627	16.600	ug/l	99
67) Ethyl Benzene	10.25	91	229072	16.639	ug/l	95
68) m/p-Xylenes	10.36	106	178261	33.461	ug/l	90
69) o-Xylene	10.69	106	89870	16.970	ug/l	87
70) Styrene	10.71	104	149361	16.653	ug/l	94
71) Bromoform	10.85	173	44931	15.715	ug/l #	97
73) Isopropylbenzene	11.02	105	234836	16.440	ug/l	97
74) N-amyl acetate	10.90	43	93080	16.484	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.27	83	79760	16.312	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	66185m	16.170	ug/l	
77) Bromobenzene	11.25	156	64864	16.512	ug/l	79
78) n-propylbenzene	11.36	91	256503	16.129	ug/l	94
79) 2-Chlorotoluene	11.42	91	151357	15.847	ug/l	91
80) 1,3,5-Trimethylbenzene	11.51	105	194971	16.205	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	26343	14.220	ug/l	86
82) 4-Chlorotoluene	11.51	91	173567	15.997	ug/l	90
83) tert-Butylbenzene	11.77	119	196217	16.113	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	196658	16.182	ug/l	96
85) sec-Butylbenzene	11.94	105	234089	16.500	ug/l	95
86) p-Isopropyltoluene	12.06	119	213975	16.498	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	114042	16.482	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	113106	16.216	ug/l	98
89) n-Butylbenzene	12.38	91	184308	16.509	ug/l	96
90) Hexachloroethane	12.59	117	37594	14.551	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	114698	17.051	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	18085	15.717	ug/l	67

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Instrument :
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ClientSampleId :
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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	83217	16.901	ug/l	99
94) Hexachlorobutadiene	13.78	225	38901	17.764	ug/l	99
95) Naphthalene	13.83	128	265376	17.121	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	84829	17.424	ug/l	99

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

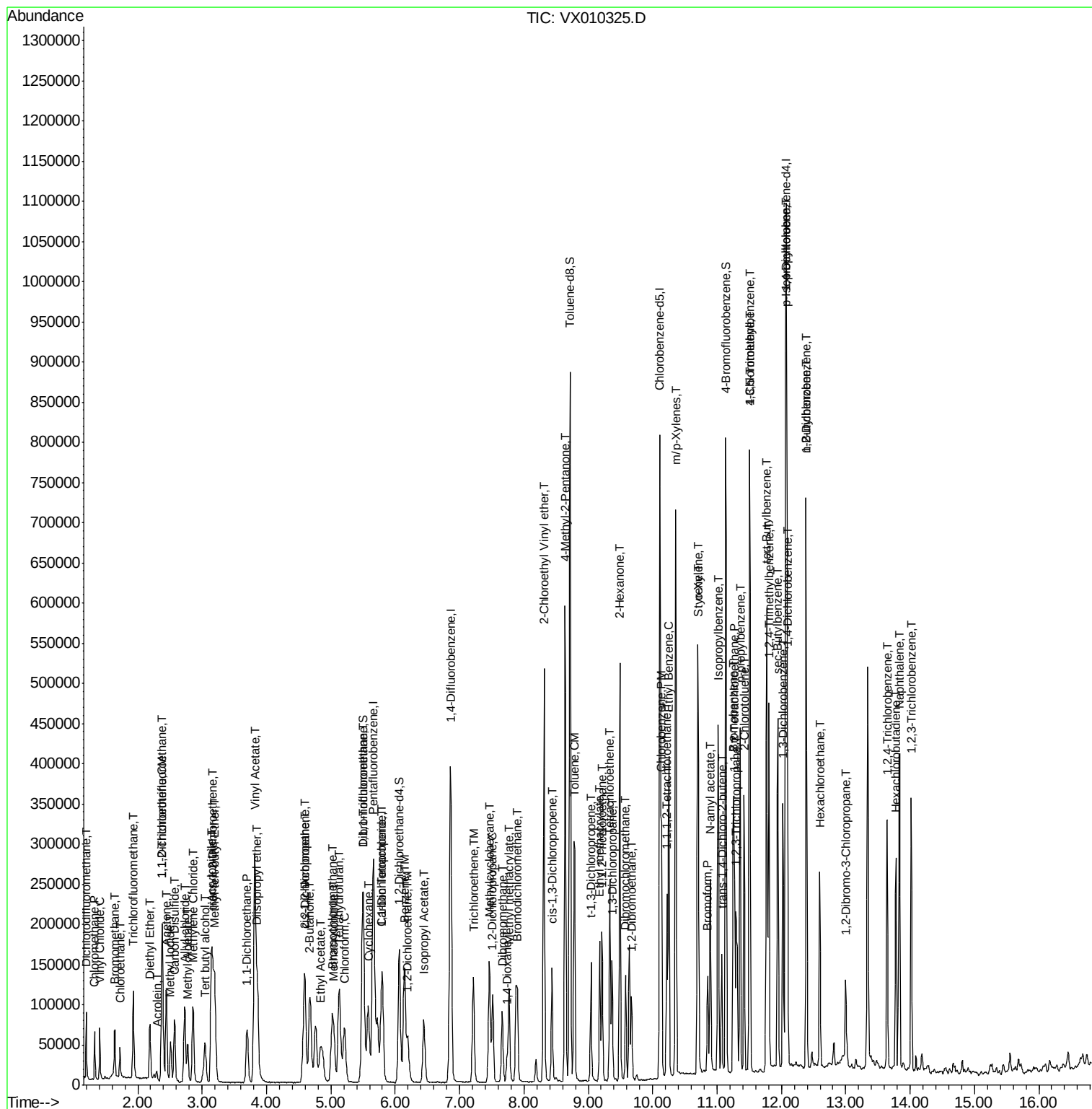
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061719\
Data File : VX010325.D
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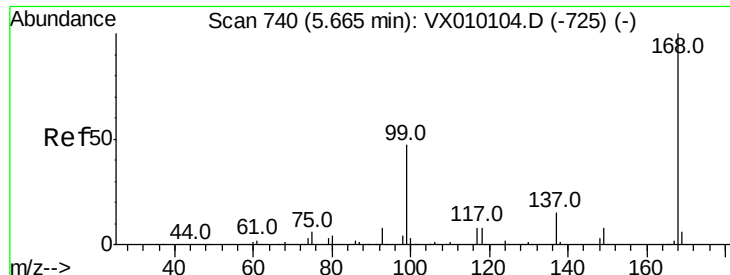
Instrument :
MSVOA_X
Client Sampled :
VX0617MBS01

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Quant Title : SW846 8260
QLast Update : Sat Jun 08 02:12:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

Instrument :

MSVOA_X

ClientSampleId :

VX0617MBS01

Tot Ion:168 Resp: 296095

Ion Ratio Lower Upper

168 100

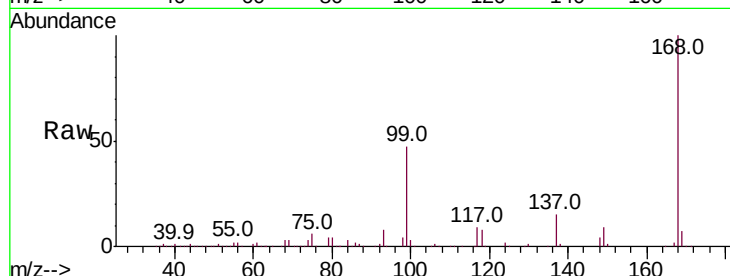
99 46.9 43.0 64.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

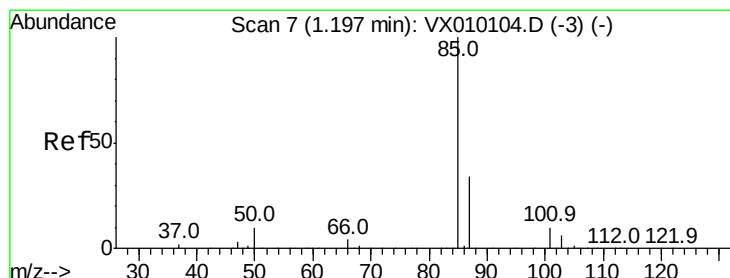
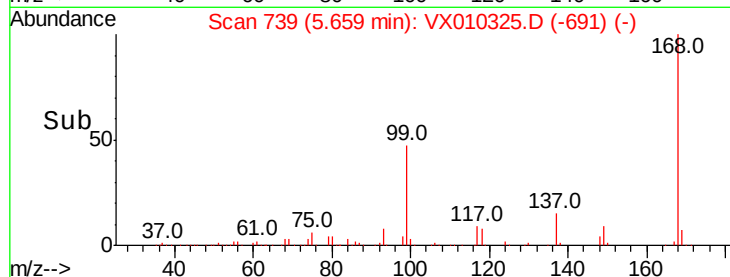
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 17.469 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010325.D

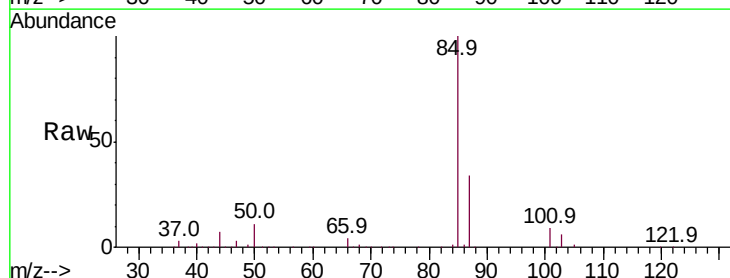
Acq: 17 Jun 2019 15:35

Tgt Ion: 85 Resp: 47593

Ion Ratio Lower Upper

85 100

87 34.1 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

50000

40000

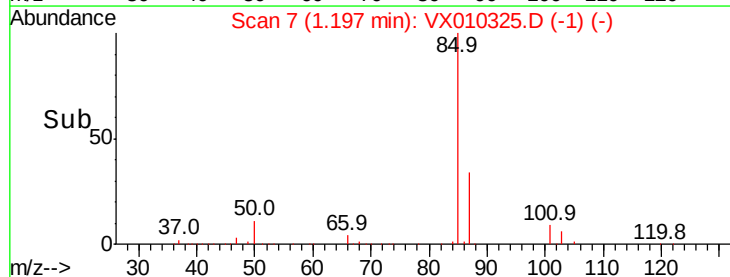
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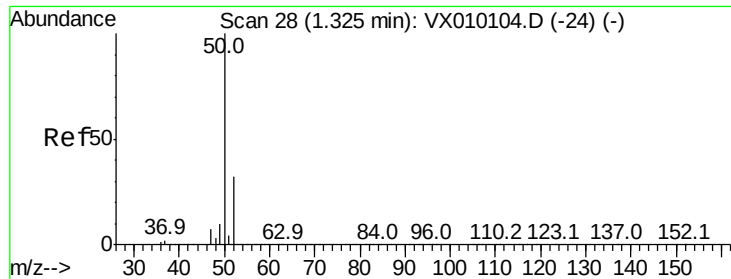
20000

10000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 15.738 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

Instrument :

MSVOA_X

ClientSampleId :

VX0617MBS01

Tot Ion: 50 Resp: 42583

Ion Ratio Lower Upper

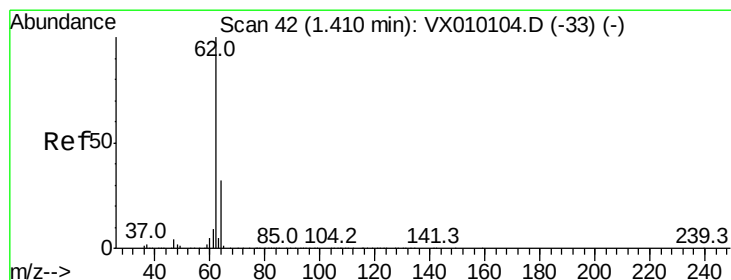
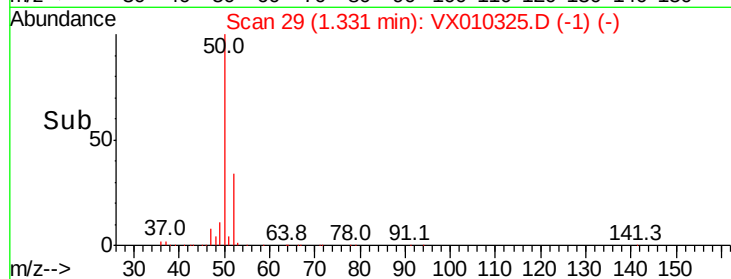
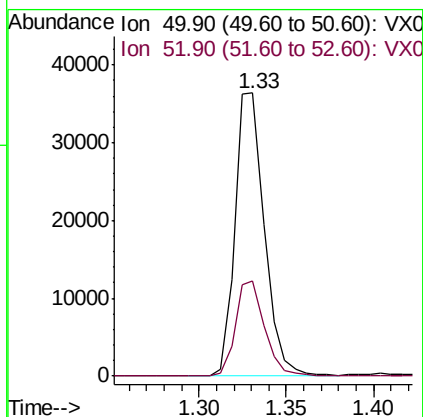
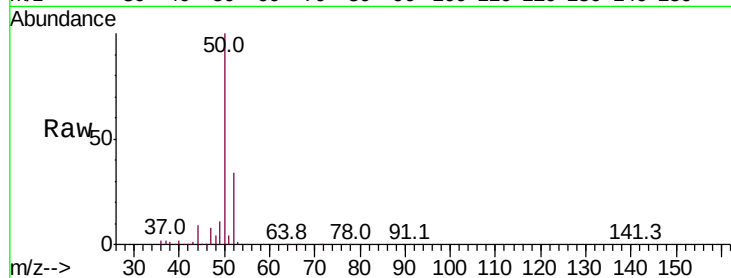
50 100

52 33.5 26.0 39.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 16.814 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010325.D

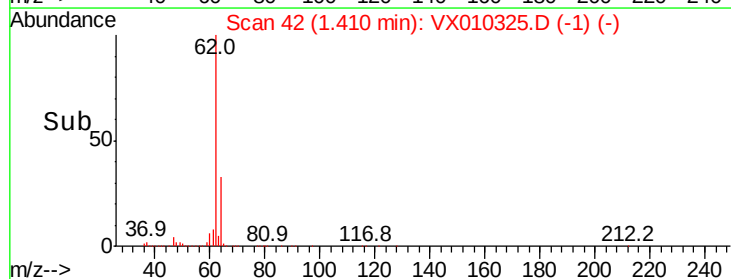
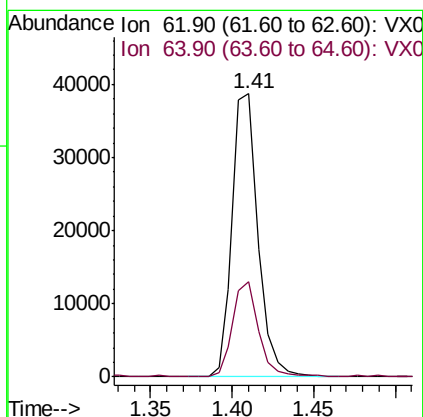
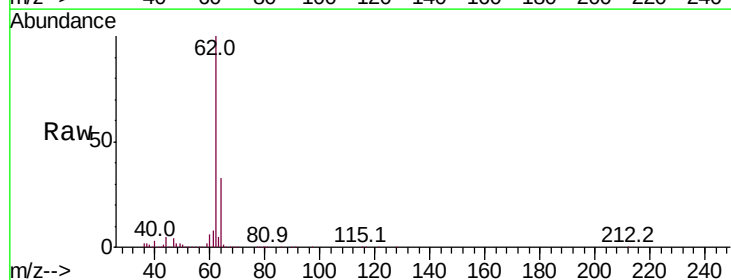
Acq: 17 Jun 2019 15:35

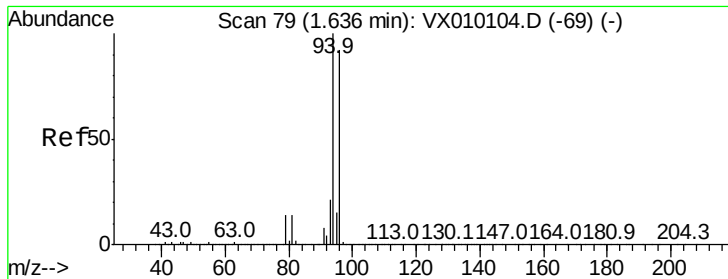
Tgt Ion: 62 Resp: 42758

Ion Ratio Lower Upper

62 100

64 33.3 25.7 38.5





#5

Bromomethane

Concen: 23.942 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

Instrument :

MSVOA_X

ClientSampleId :

VX0617MBS01

Tot Ion: 94 Resp: 22975

Ion Ratio Lower Upper

94 100

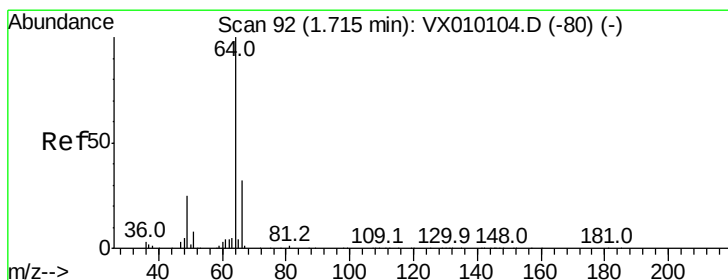
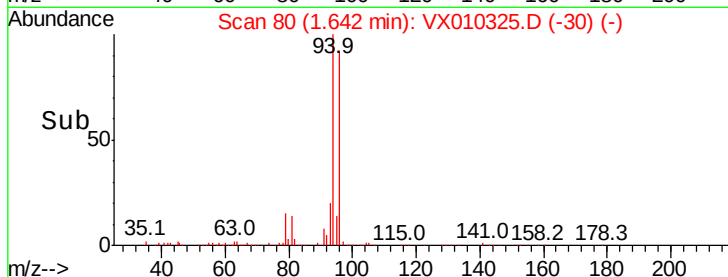
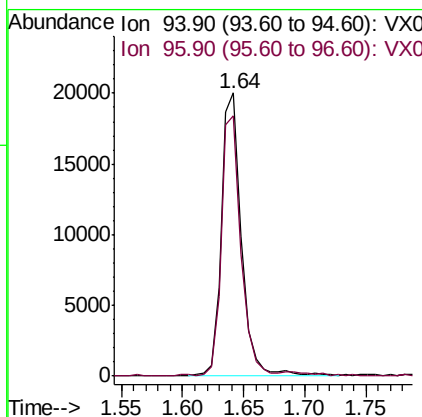
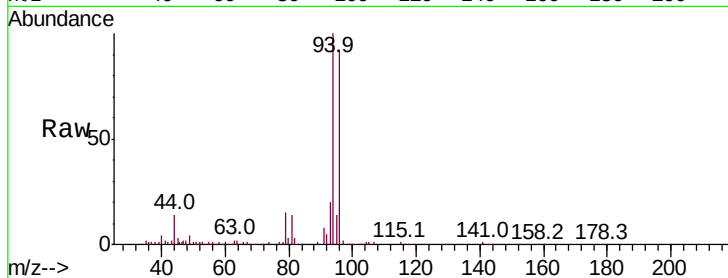
96 91.8 76.2 114.4

Manual Integrations

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#6

Chloroethane

Concen: 19.766 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010325.D

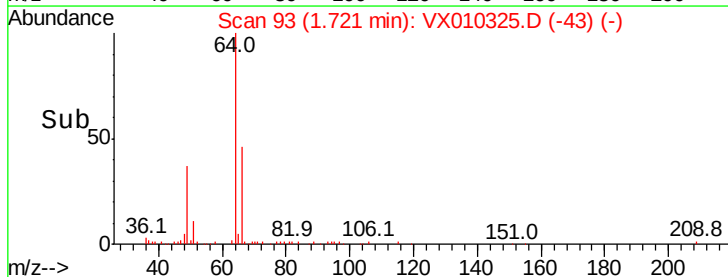
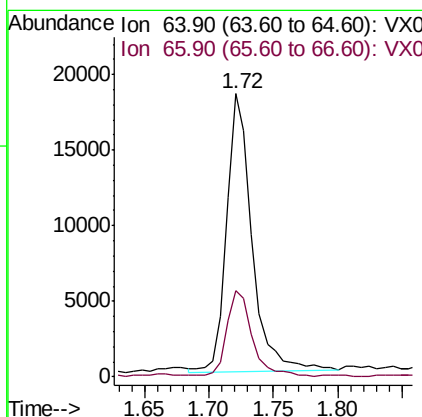
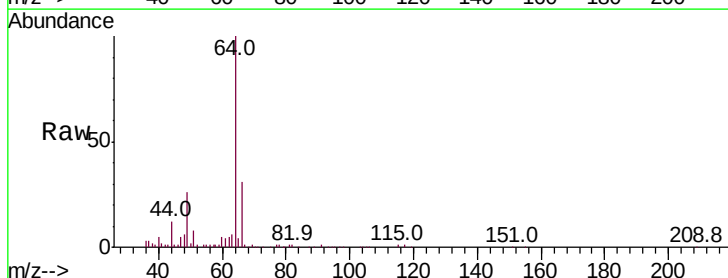
Acq: 17 Jun 2019 15:35

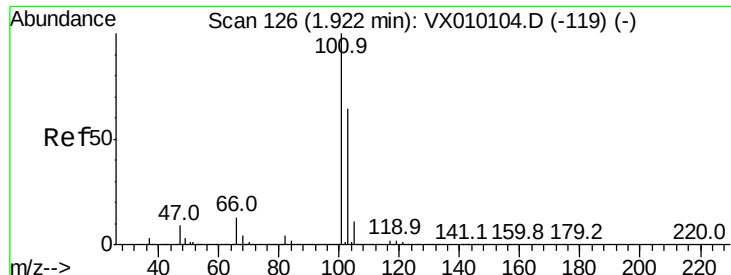
Tgt Ion: 64 Resp: 25343

Ion Ratio Lower Upper

64 100

66 31.0 25.1 37.7





#7

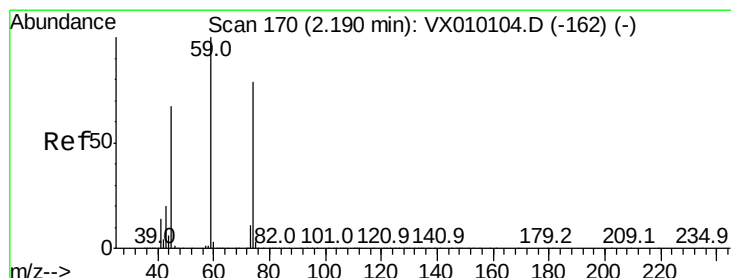
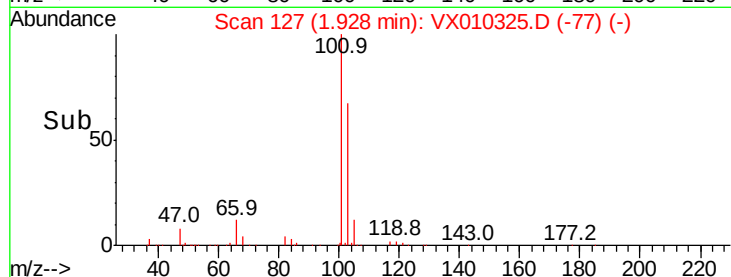
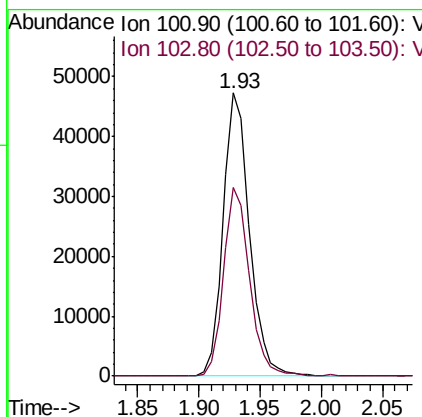
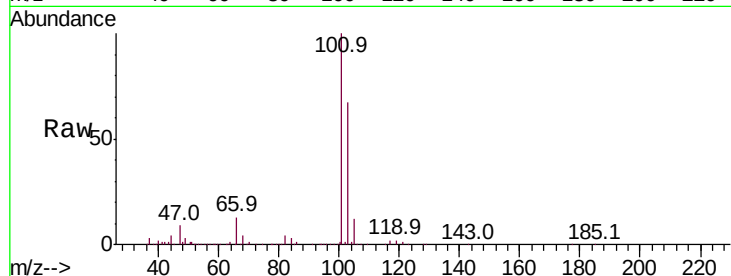
Trichlorofluoromethane
Concen: 18.646 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX010325.D
Acq: 17 Jun 2019 15:35

Instrument :
MSVOA_X
ClientSampleId :
VX0617MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.7	52.2	78.4

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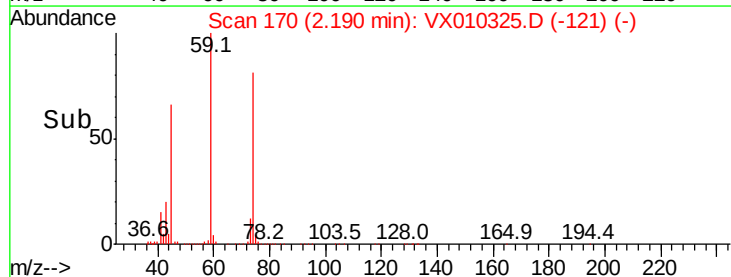
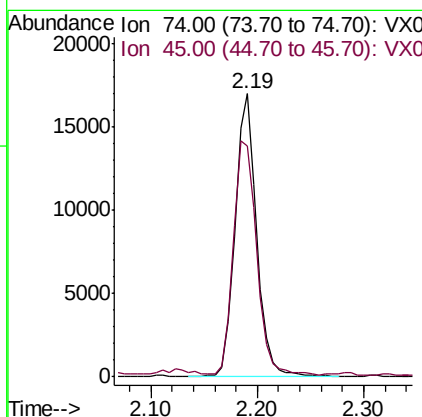
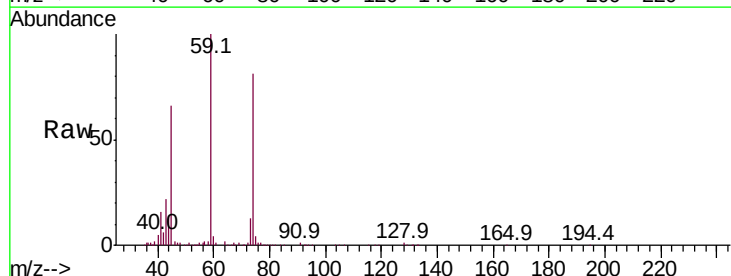
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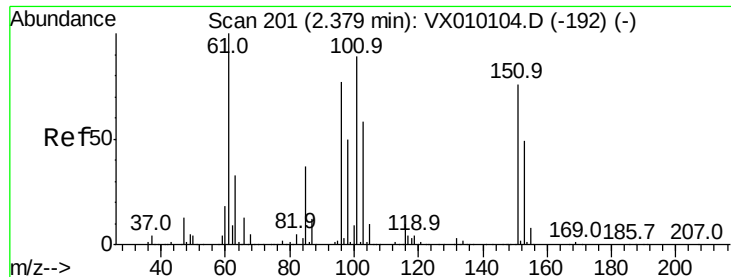


#8

Diethyl Ether
Concen: 18.516 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010325.D
Acq: 17 Jun 2019 15:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.8	56.1	168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.725 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

Instrument :

MSVOA_X

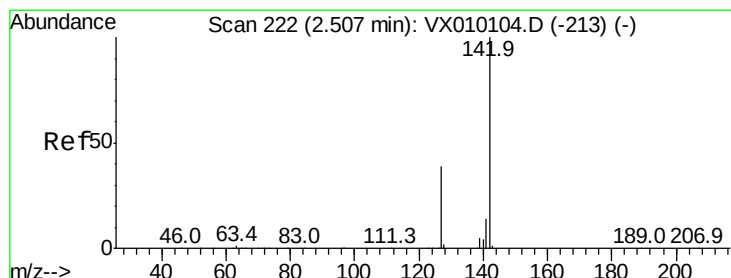
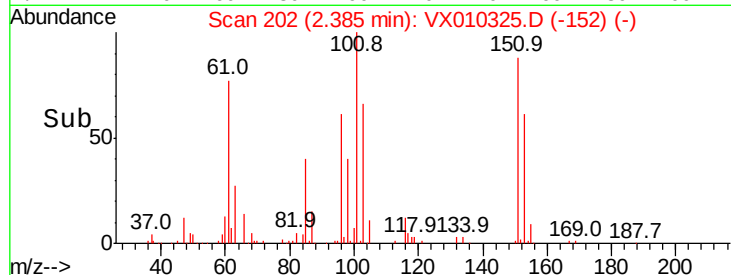
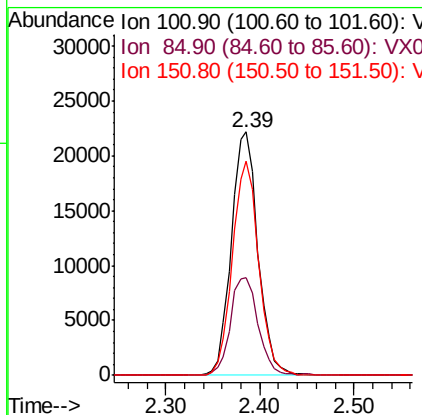
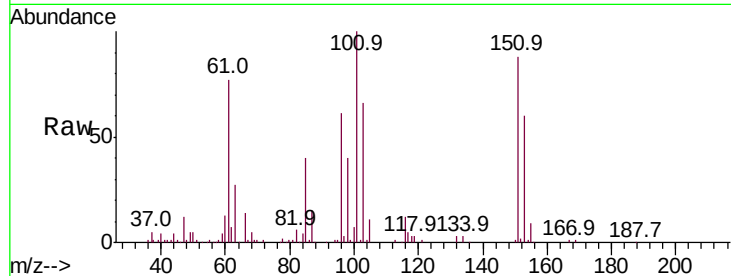
ClientSampleId :

VX0617MBS01

Tot Ion:	101	Resp:	43550
Ion Ratio	Lower	Upper	
101	100		
85	42.2	35.2	52.8
151	86.8	61.9	92.9

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#10

Methyl Iodide

Concen: 12.808 ug/l

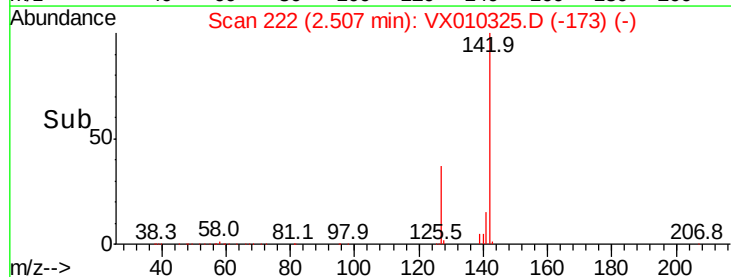
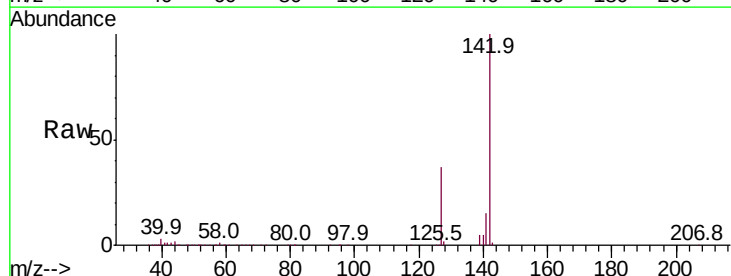
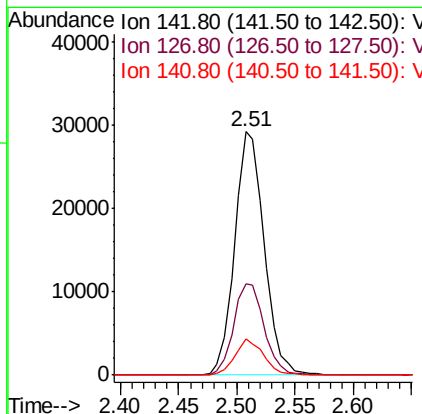
RT: 2.51 min Scan# 222

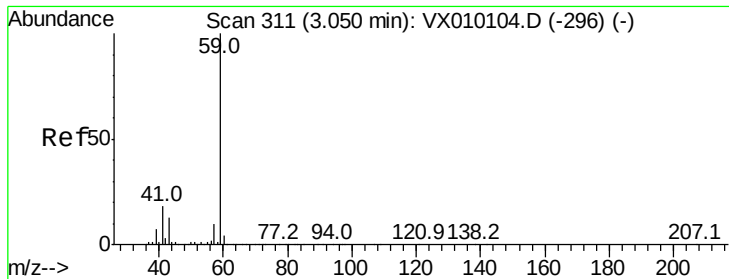
Delta R.T. 0.00 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

Tgt Ion:	142	Resp:	51674
Ion Ratio	Lower	Upper	
142	100		
127	38.8	33.0	49.4
141	14.4	11.4	17.0





#11

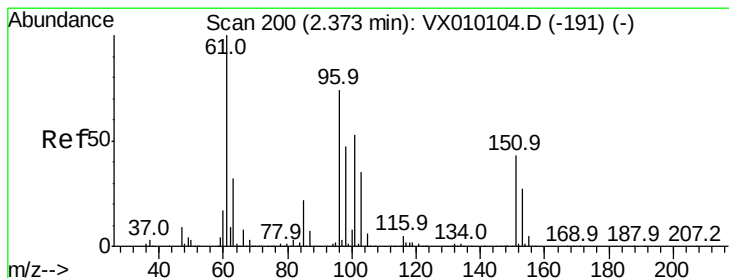
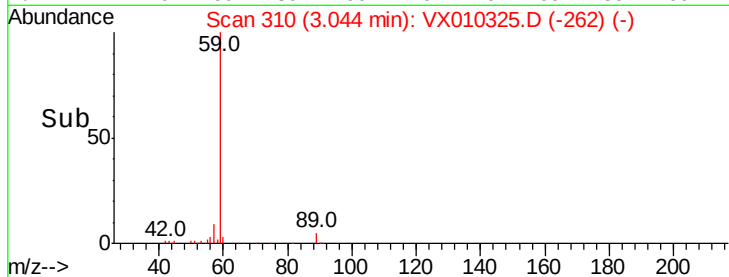
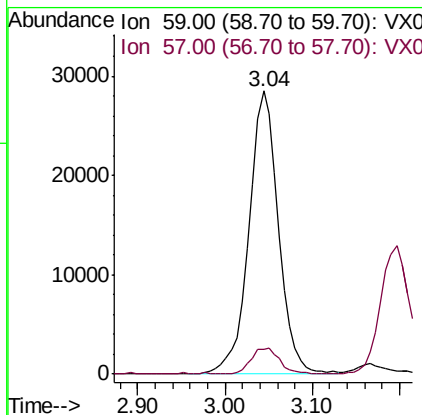
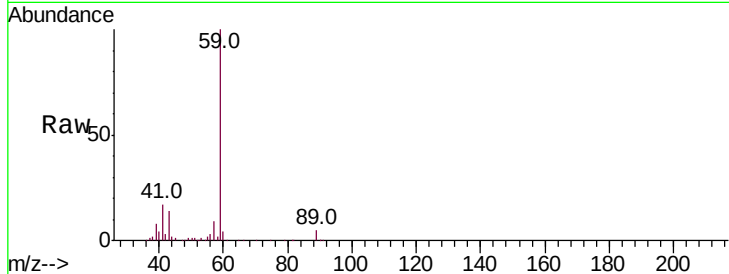
Tert butyl alcohol
Concen: 94.354 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010325.D
Acq: 17 Jun 2019 15:35

Instrument :
MSVOA_X
ClientSampleId :
VX0617MBS01

Tot Ion	59	Resp	66805
Ion Ratio	100	Lower	Upper
57	9.1	8.2	12.2

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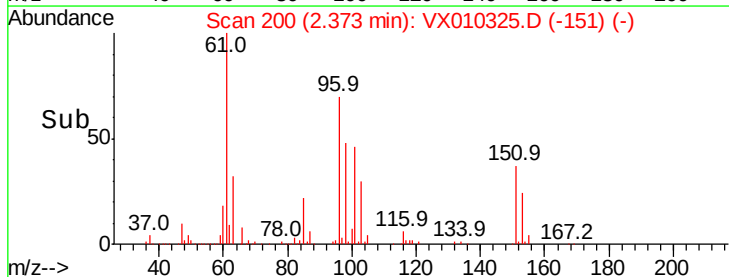
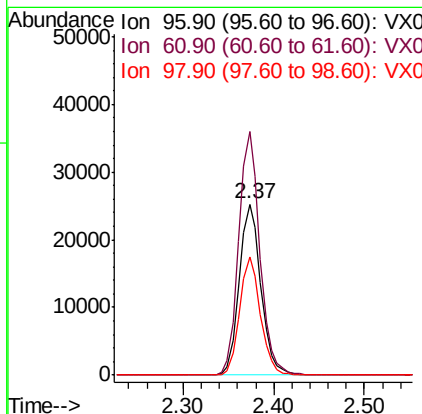
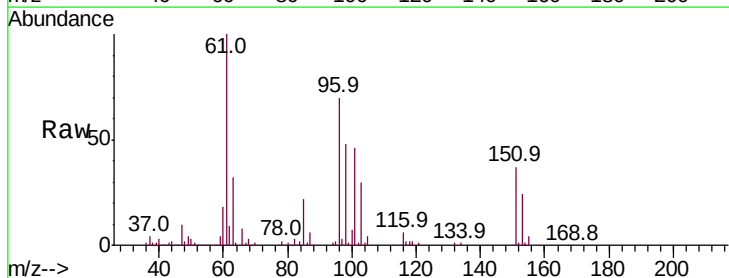
MMDadoda
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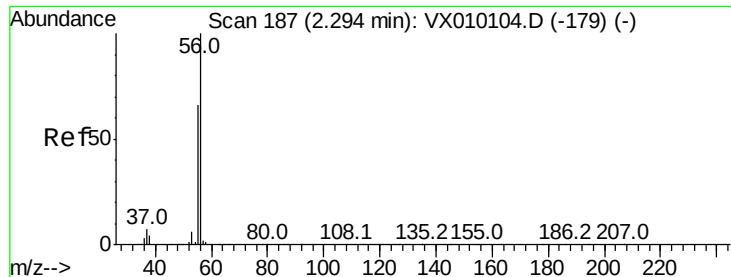


#12

1,1-Dichloroethene
Concen: 15.735 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010325.D
Acq: 17 Jun 2019 15:35

Tgt Ion	96	Resp	41849
Ion Ratio	100	Lower	Upper
61	142.1	140.7	211.1
98	68.8	50.1	75.1





#13

Acrolein

Concen: 64.260 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

Instrument :

MSVOA_X

ClientSampleId :

VX0617MBS01

Tot Ion: 56 Resp: 8296

Ion Ratio Lower Upper

56 100

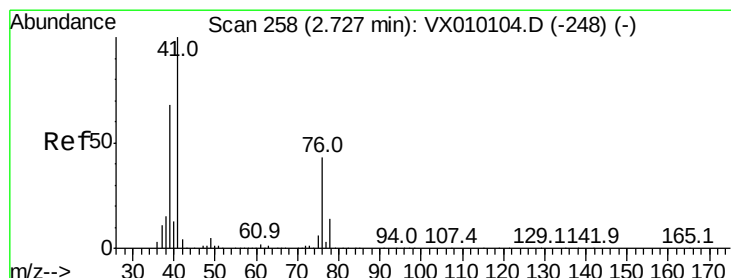
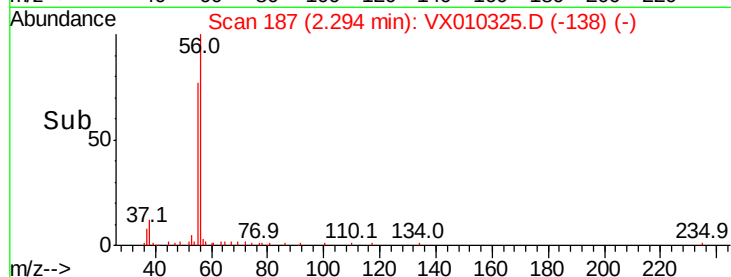
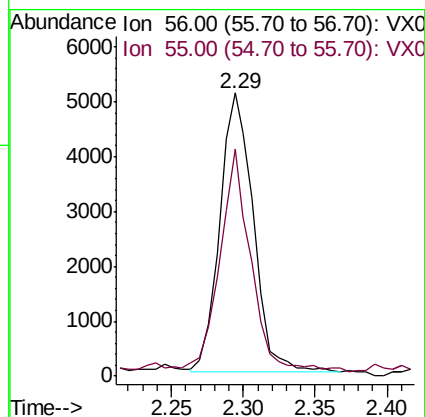
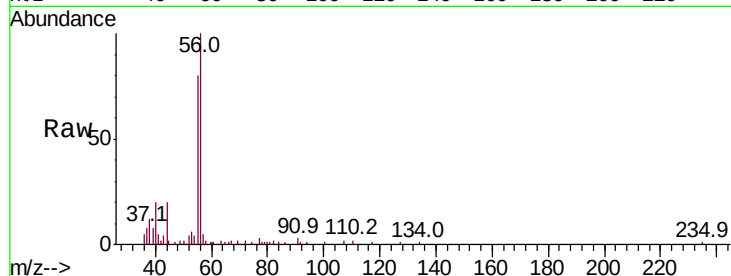
55 74.8 57.0 85.4

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#14

Allyl chloride

Concen: 15.430 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

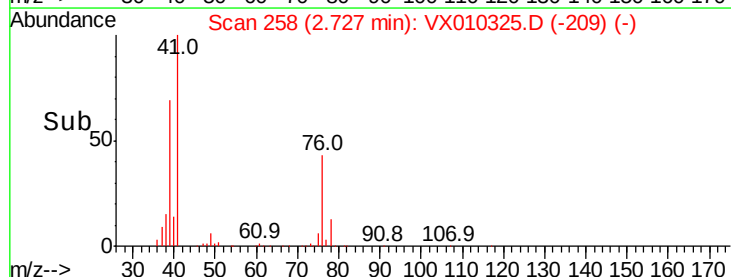
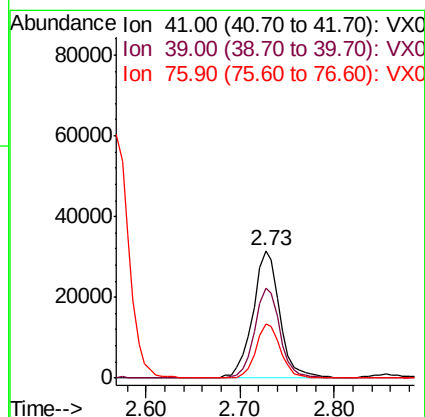
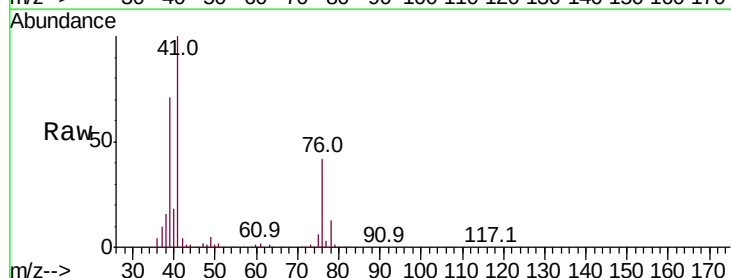
Tgt Ion: 41 Resp: 61946

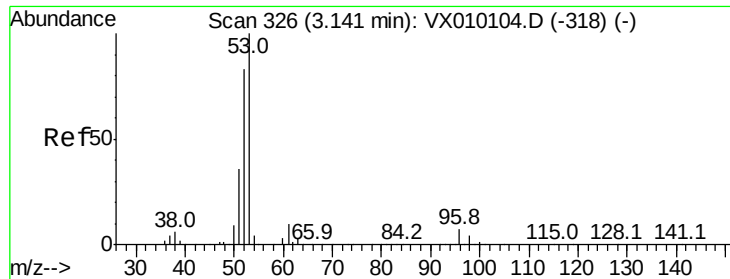
Ion Ratio Lower Upper

41 100

39 66.6 46.7 70.1

76 38.8 21.0 31.4#





#15

Acrylonitrile

Concen: 85.348 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

Instrument :

MSVOA_X

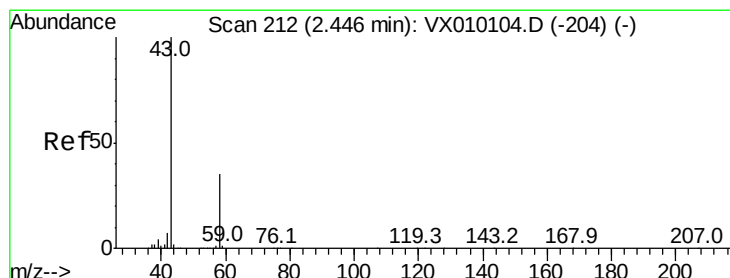
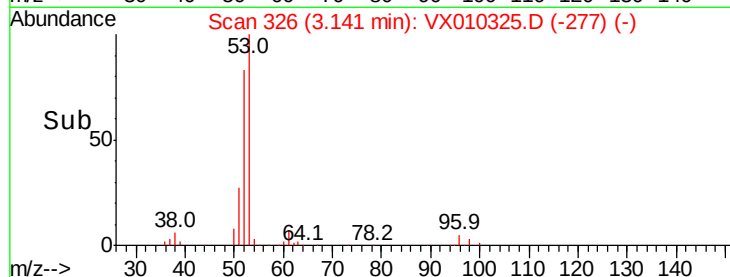
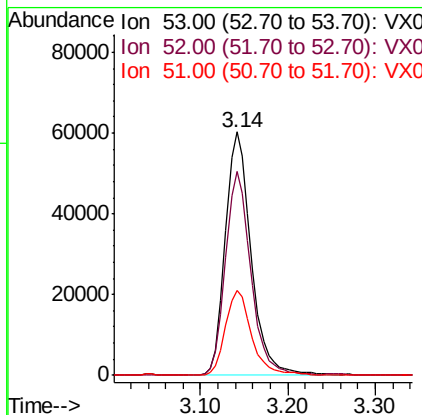
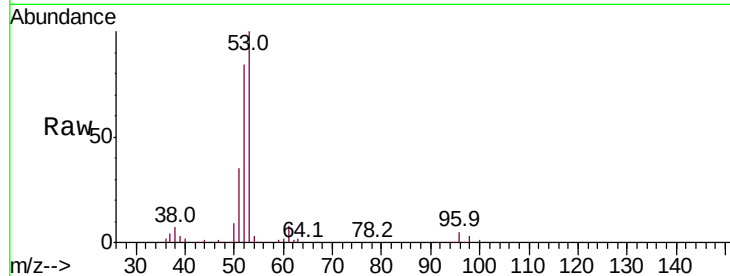
ClientSampleId :

VX0617MBS01

Tot Ion	53	Resp	123515
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.7	100.1
51	35.1	28.8	43.2

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#16

Acetone

Concen: 88.924 ug/l

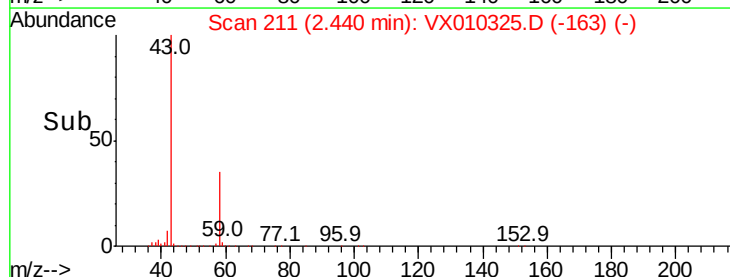
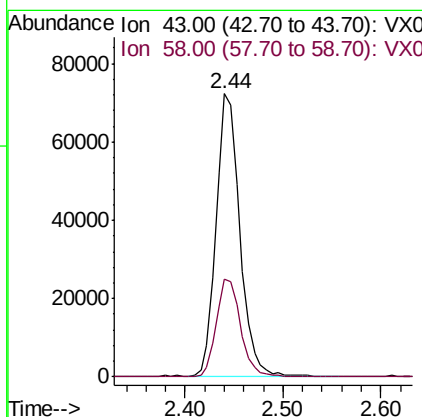
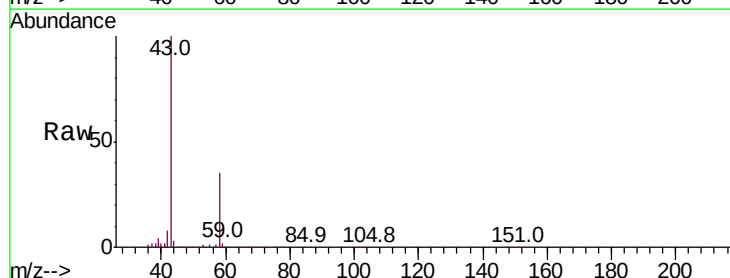
RT: 2.44 min Scan# 211

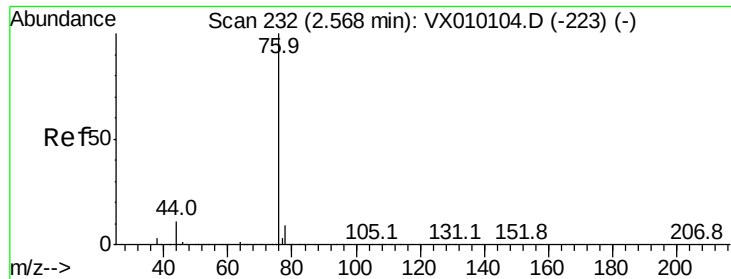
Delta R.T. -0.01 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

Tgt Ion	43	Resp	120882
Ion	Ratio	Lower	Upper
43	100		
58	34.5	23.2	34.8





#17

Carbon Disulfide

Concen: 13.025 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

Instrument :

MSVOA_X

ClientSampleId :

VX0617MBS01

Tot Ion: 76 Resp: 100096

Ion Ratio Lower Upper

76 100

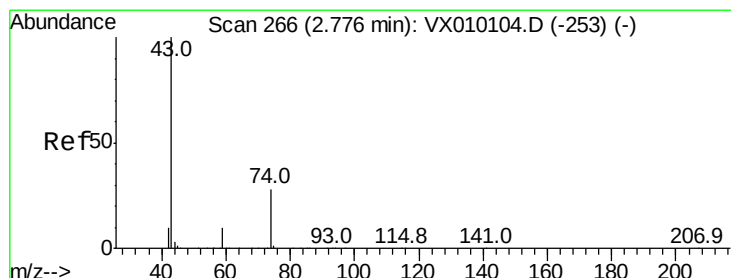
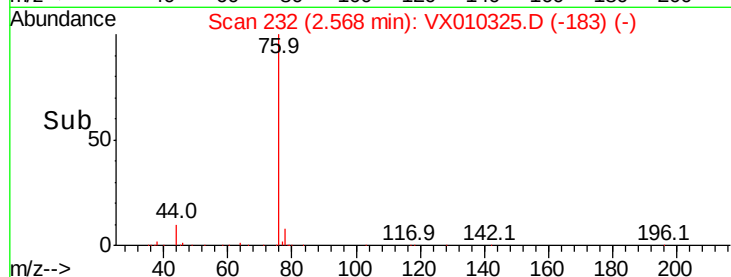
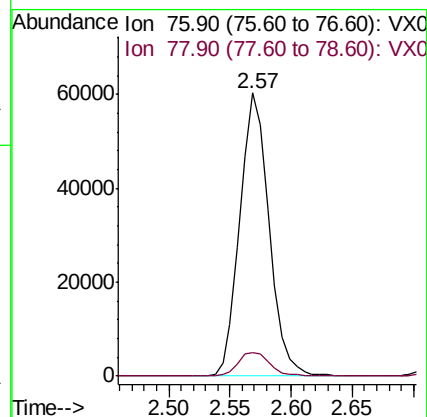
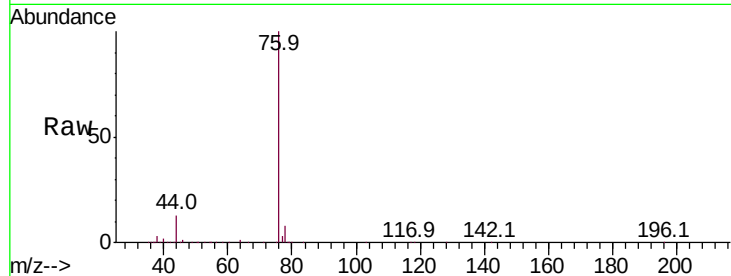
78 8.3 7.0 10.6

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#18

Methyl Acetate

Concen: 18.281 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX010325.D

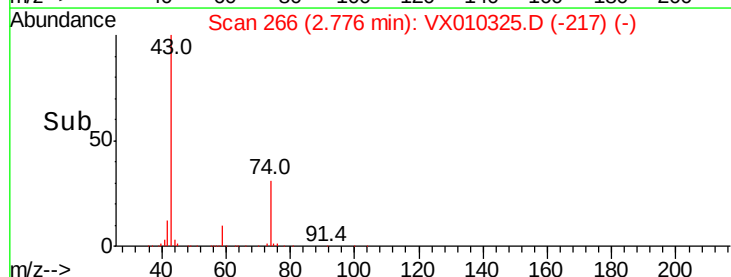
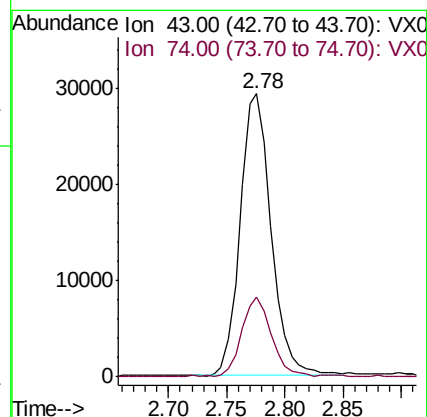
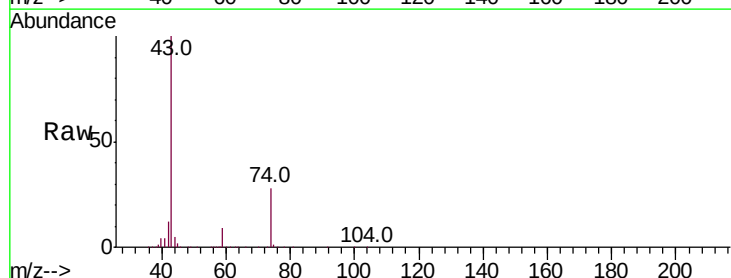
Acq: 17 Jun 2019 15:35

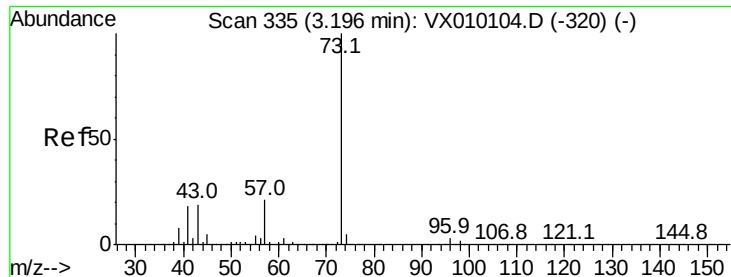
Tgt Ion: 43 Resp: 54653

Ion Ratio Lower Upper

43 100

74 26.8 15.8 23.6#





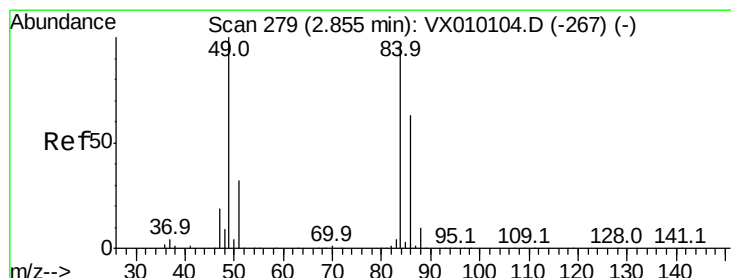
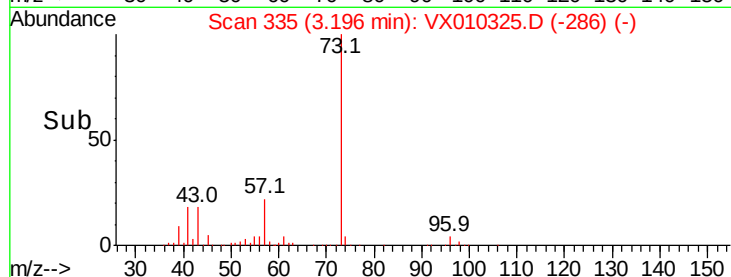
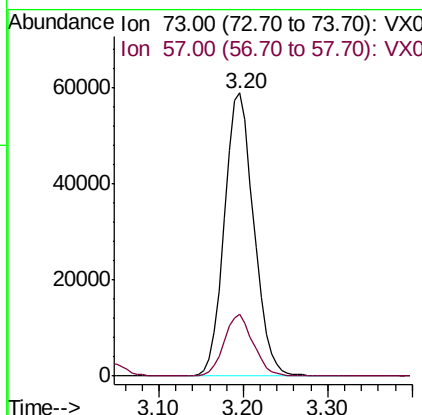
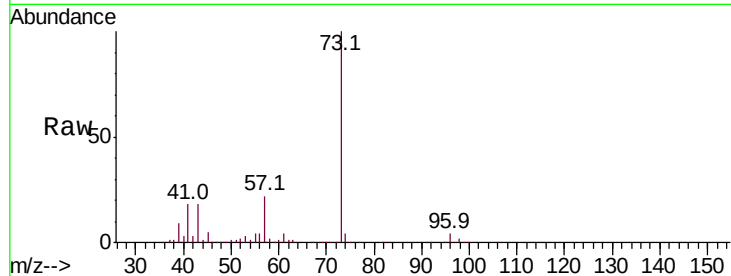
#19
Methvl tert-butyl Ether
Concen: 16.472 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010325.D
Acq: 17 Jun 2019 15:35

Instrument :
MSVOA_X
ClientSampleId :
VX0617MBS01

Tot Ion: 73 Resp: 140744
Ion Ratio Lower Upper
73 100
57 21.8 19.4 29.2

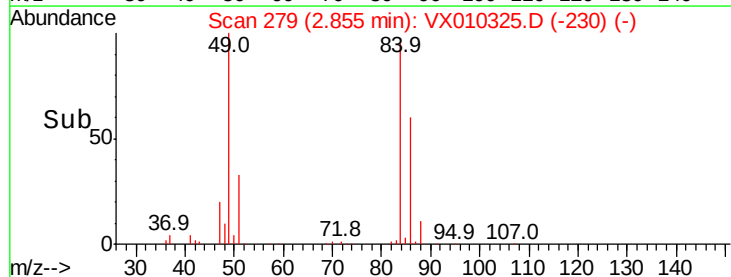
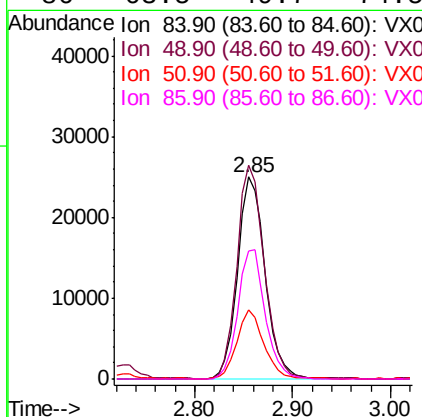
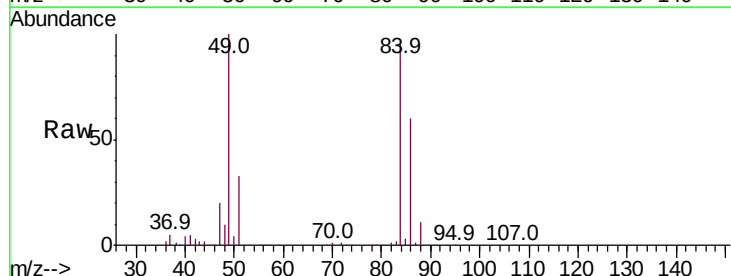
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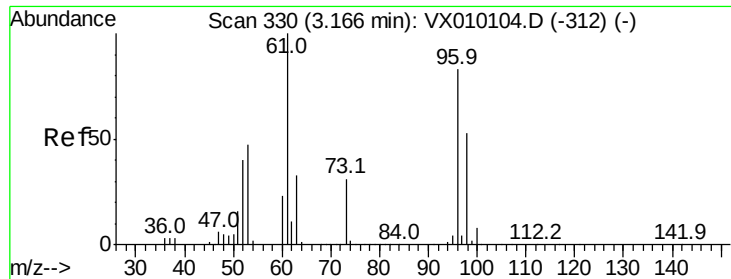
MMDadoda
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#20
Methylene Chloride
Concen: 16.450 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010325.D
Acq: 17 Jun 2019 15:35

Tgt Ion: 84 Resp: 49110
Ion Ratio Lower Upper
84 100
49 105.5 115.8 173.6#
51 34.3 34.4 51.6#
86 63.5 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 15.152 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

Instrument :

MSVOA_X

ClientSampleId :

VX0617MBS01

Tot Ion: 96 Resp: 44595

Ion Ratio Lower Upper

96 100

61 118.5 125.7 188.5#

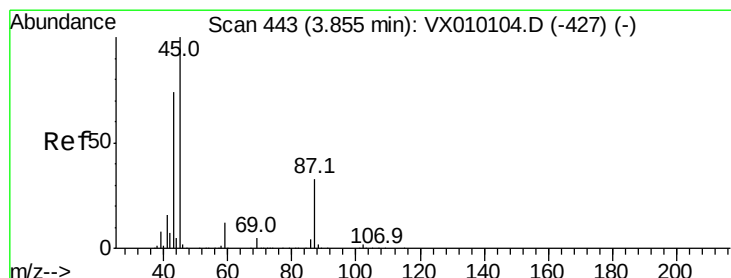
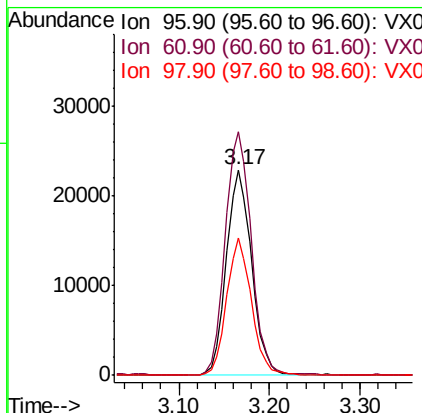
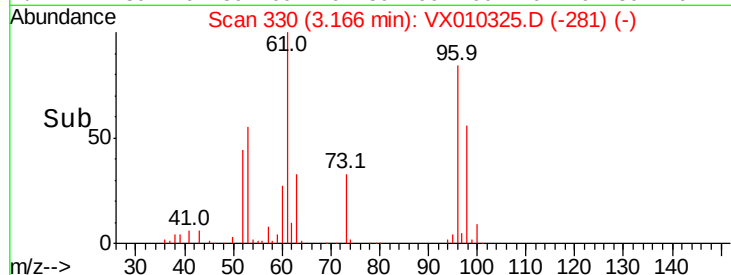
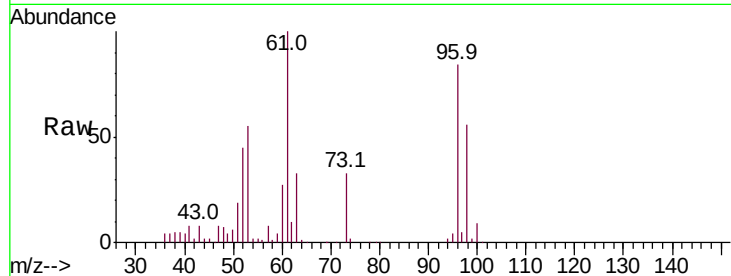
98 66.9 49.0 73.6

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#22

Diisopropyl ether

Concen: 17.109 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

Tgt Ion: 45 Resp: 131318

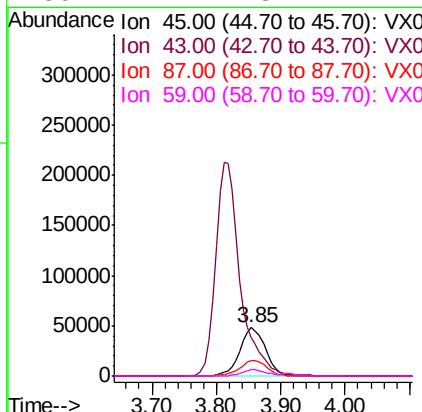
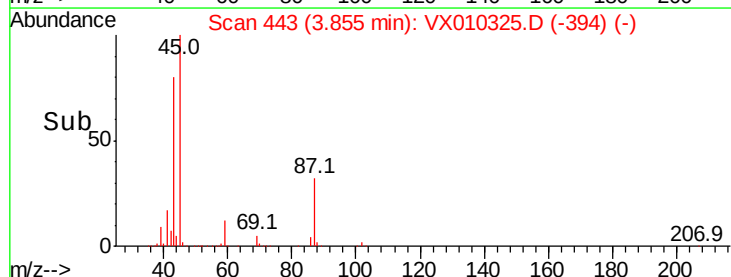
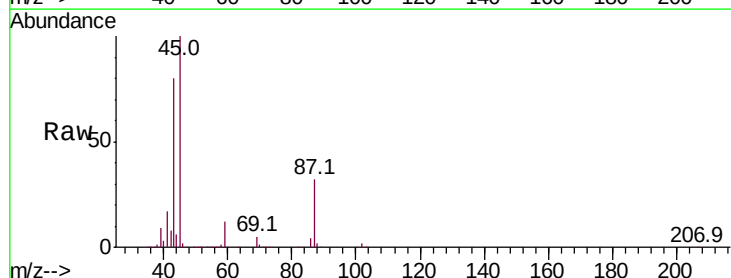
Ion Ratio Lower Upper

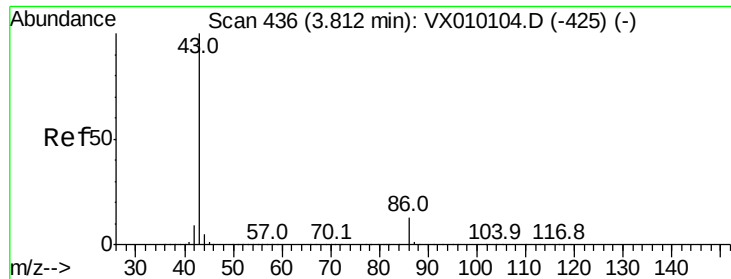
45 100

43 80.2 65.0 97.4

87 32.4 17.3 25.9#

59 12.2 8.1 12.1#





#23

Vinyl Acetate

Concen: 83.433 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

Instrument :

MSVOA_X

ClientSampleId :

VX0617MBS01

Tot Ion: 43 Resp: 571302

Ion Ratio Lower Upper

43 100

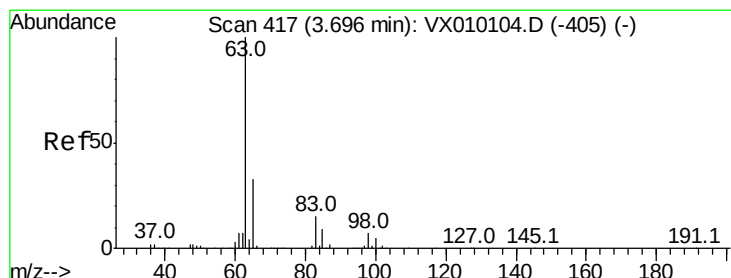
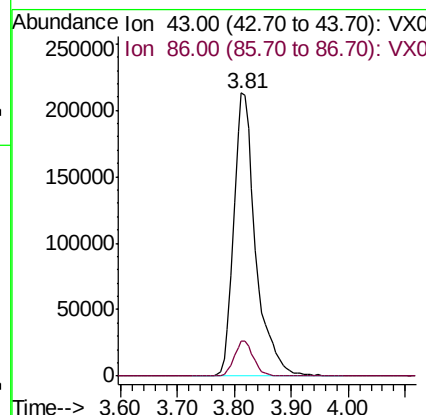
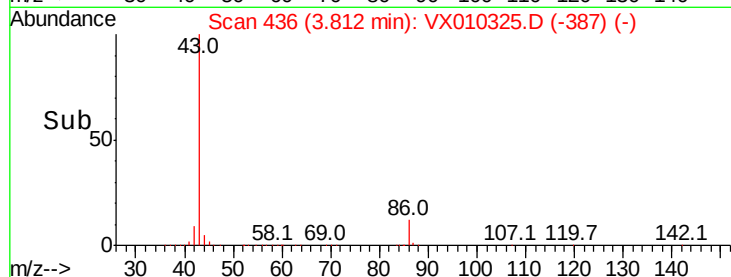
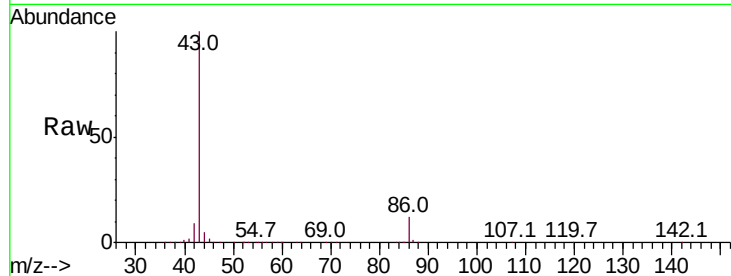
86 12.2 6.5 9.7#

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#24

1,1-Dichloroethane

Concen: 16.380 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

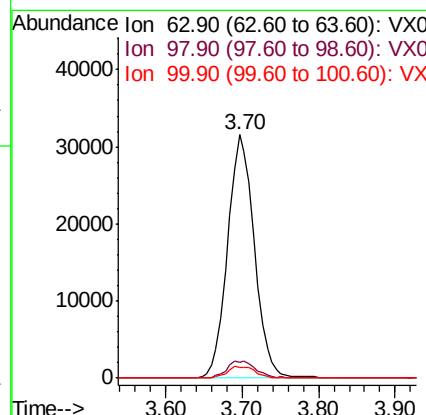
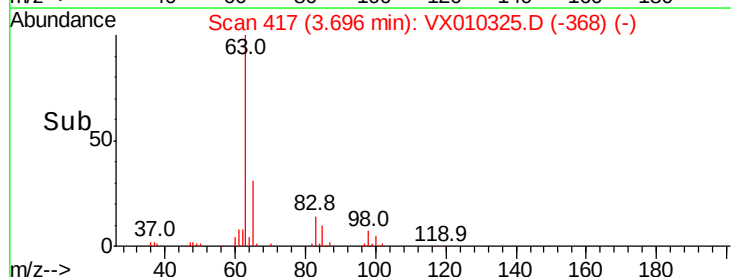
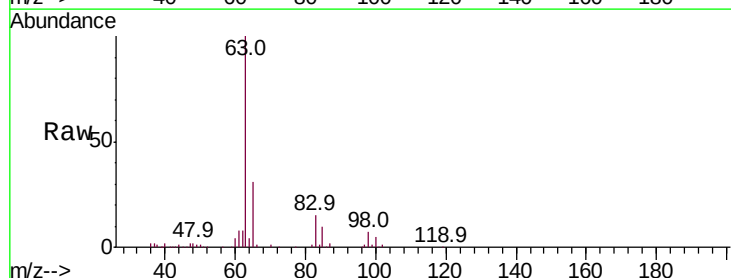
Tgt Ion: 63 Resp: 76336

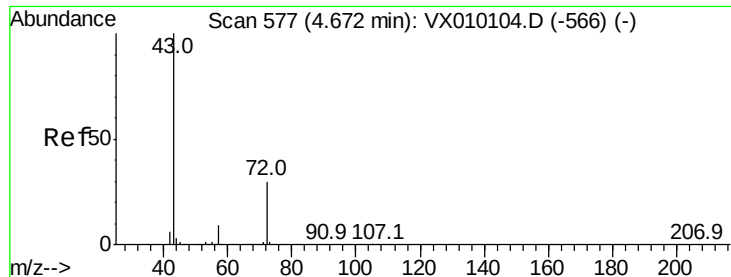
Ion Ratio Lower Upper

63 100

98 6.7 2.9 8.8

100 4.5 1.8 5.4





#25

2-Butanone

Concen: 87.742 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

Instrument :

MSVOA_X

ClientSampleId :

VX0617MBS01

Tot Ion: 43 Resp: 177612

Ion Ratio Lower Upper

43 100

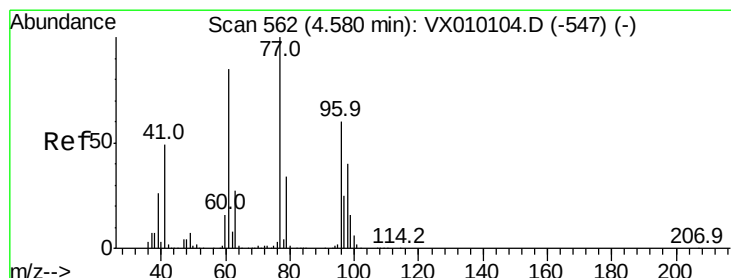
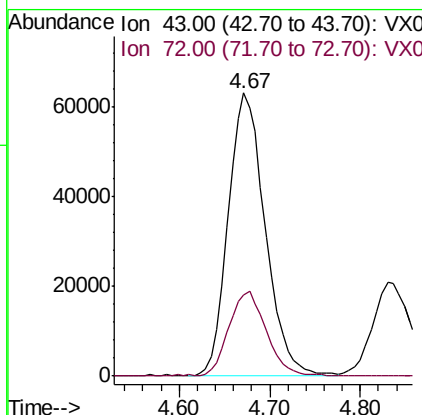
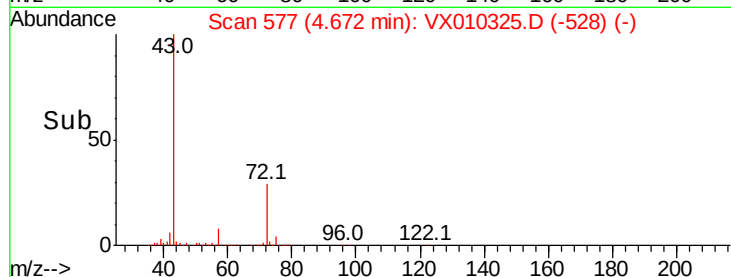
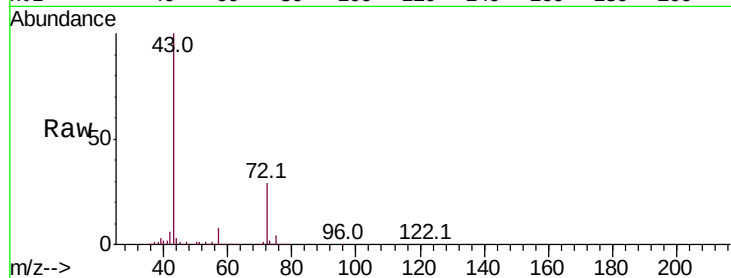
72 28.5 17.5 26.3#

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#26

2,2-Dichloropropane

Concen: 15.851 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX010325.D

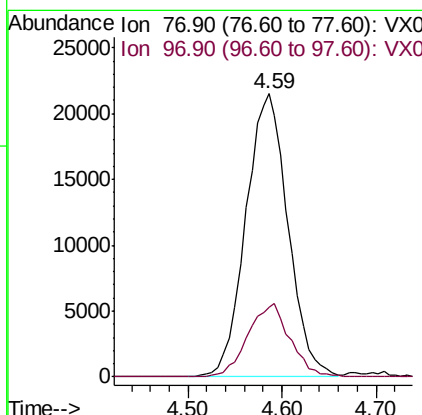
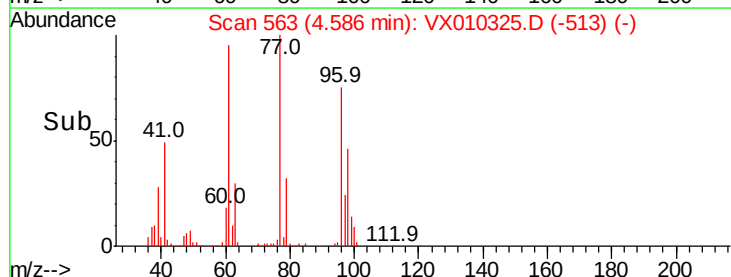
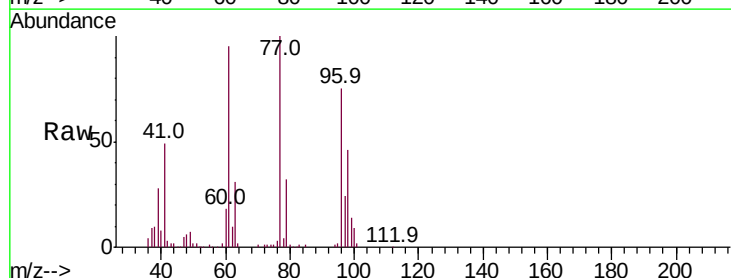
Acq: 17 Jun 2019 15:35

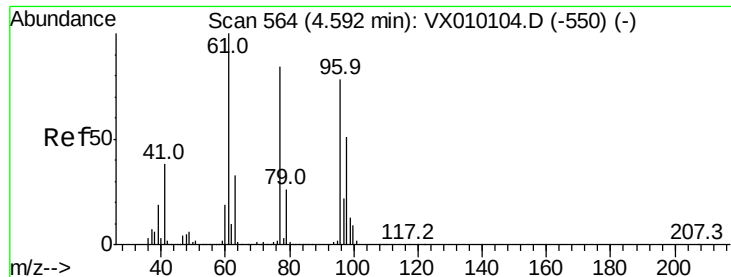
Tgt Ion: 77 Resp: 67391

Ion Ratio Lower Upper

77 100

97 25.8 11.4 34.2





#27

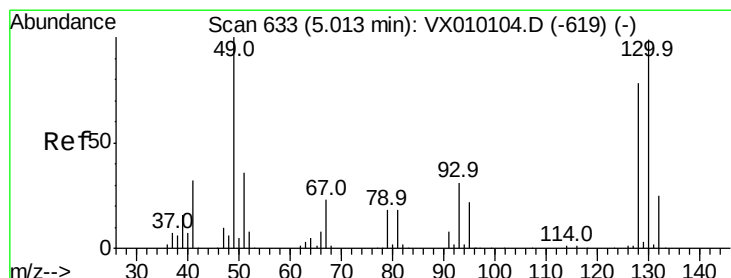
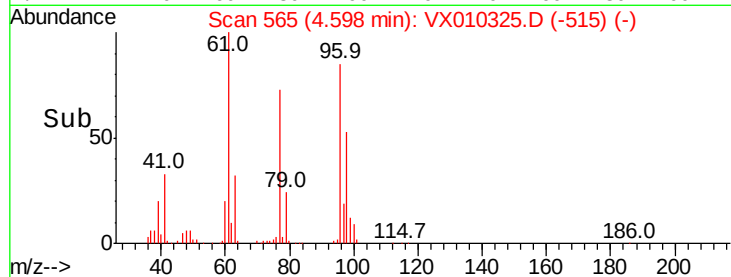
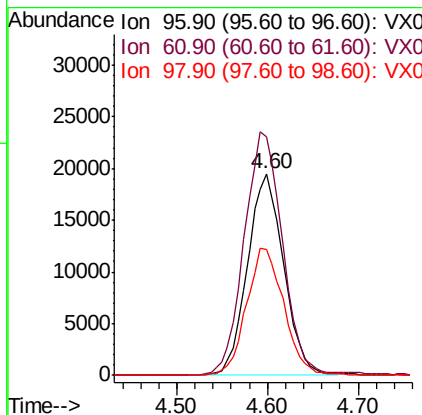
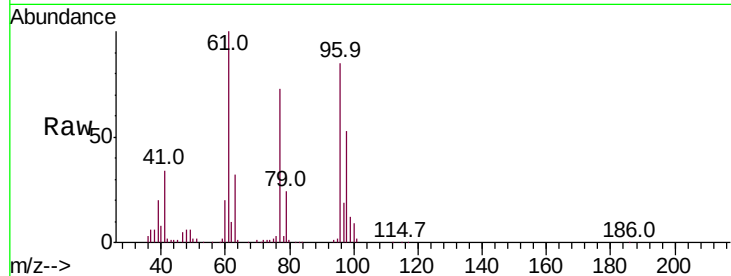
cis-1,2-Dichloroethene
Concen: 16.438 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX010325.D
Acq: 17 Jun 2019 15:35

Instrument :
MSVOA_X
ClientSampleId :
VX0617MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.9	0.0	334.0
98	64.9	0.0	131.6

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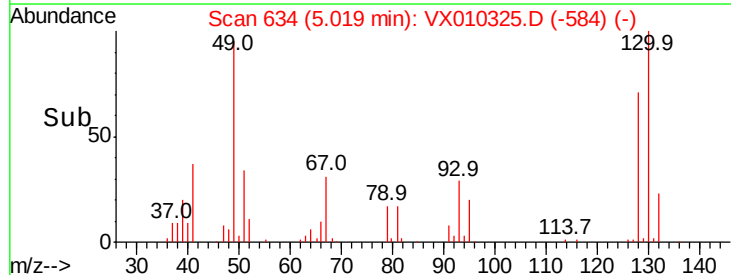
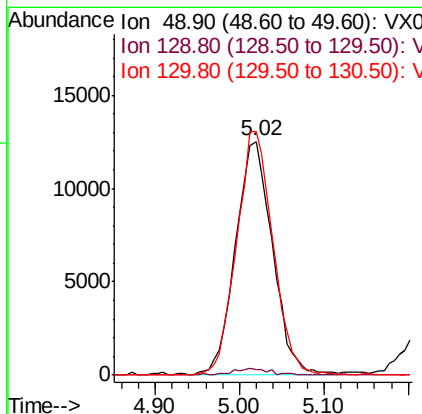
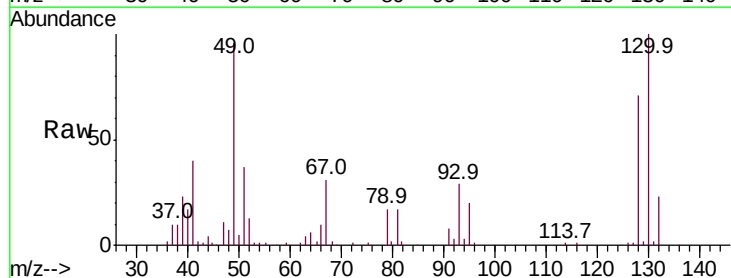
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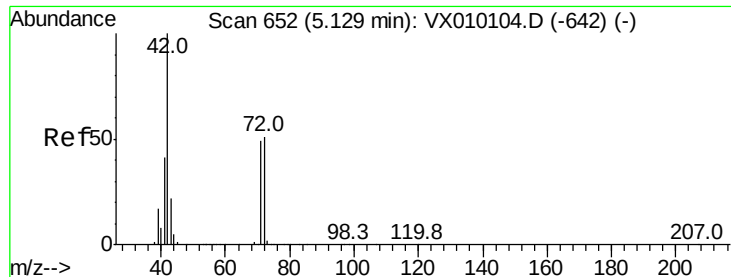


#28

Bromochloromethane
Concen: 17.885 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX010325.D
Acq: 17 Jun 2019 15:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	3.4
130	102.3	49.4	74.2#





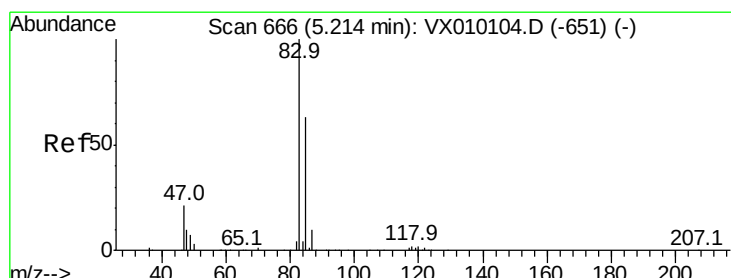
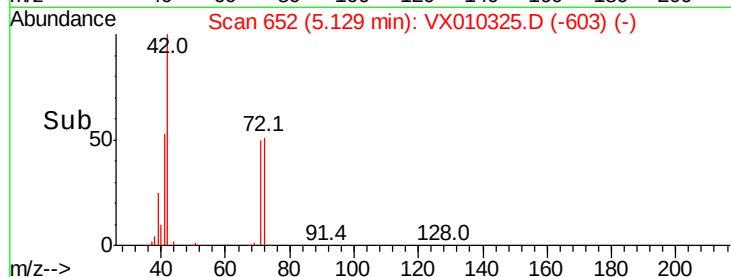
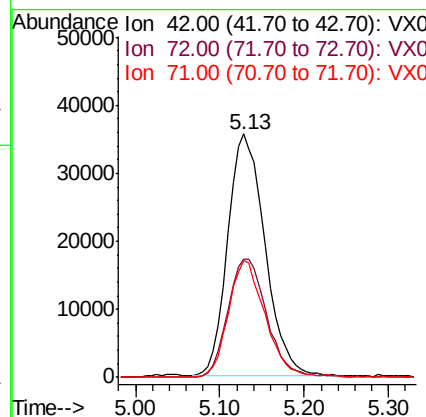
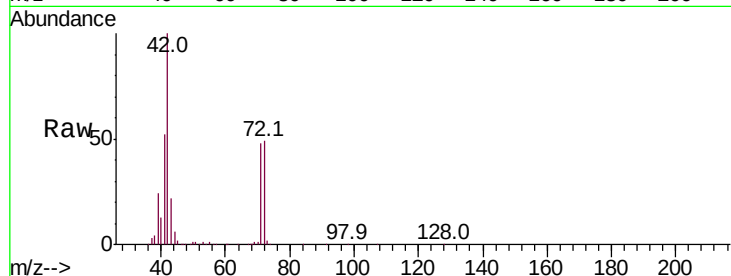
#29
Tetrahydrofuran
Concen: 84.001 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010325.D
Acq: 17 Jun 2019 15:35

Instrument :
MSVOA_X
ClientSampleId :
VX0617MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.5	29.2	43.8#
71	48.1	27.6	41.4#

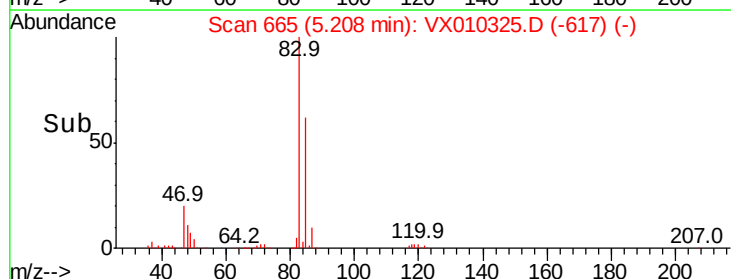
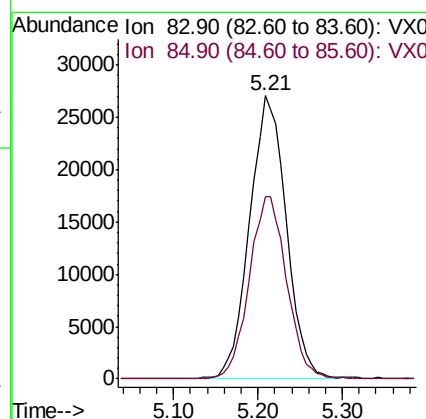
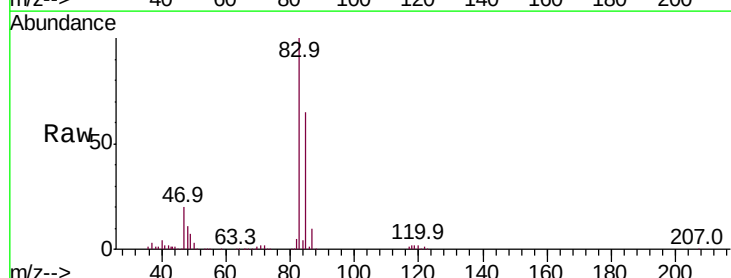
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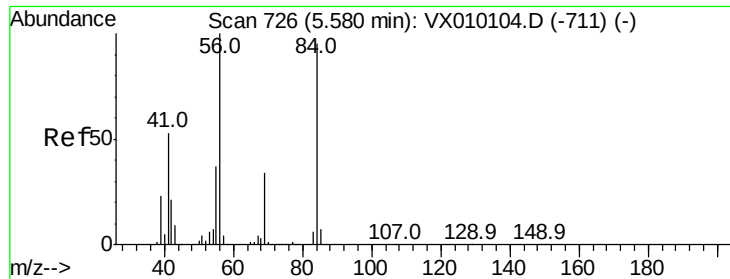
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#30
Chloroform
Concen: 16.562 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX010325.D
Acq: 17 Jun 2019 15:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.6	78.8





#31

Cyclohexane

Concen: 15.741 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

Instrument :

MSVOA_X

ClientSampleId :

VX0617MBS01

Tot Ion: 56 Resp: 66207

Ion Ratio Lower Upper

56 100

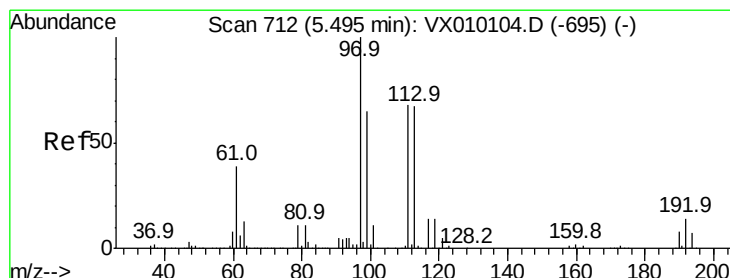
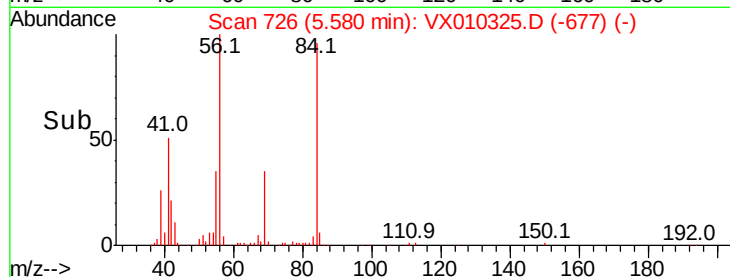
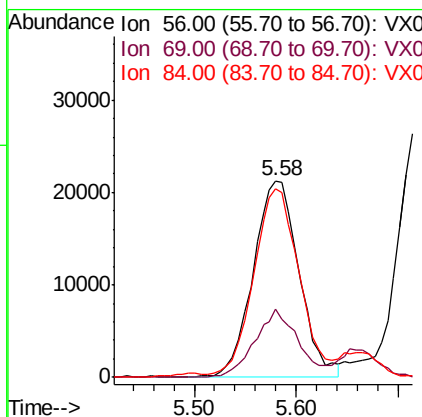
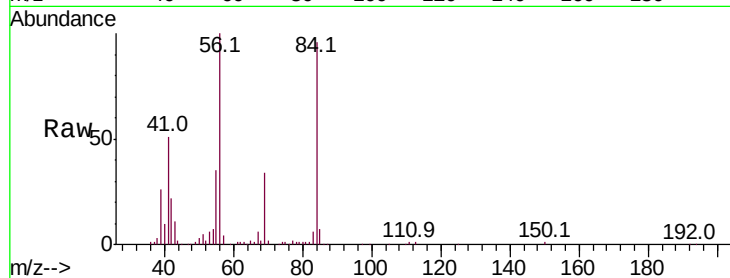
69 34.4 21.6 32.4#

84 93.4 56.8 85.2#

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 15.799 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

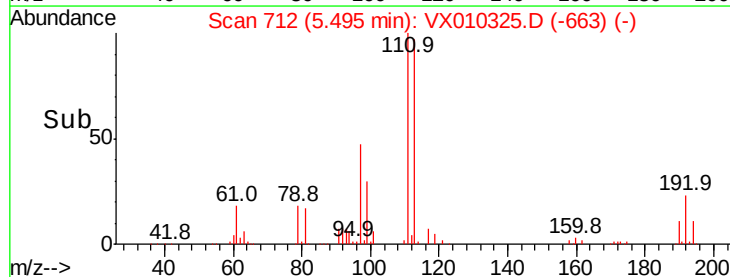
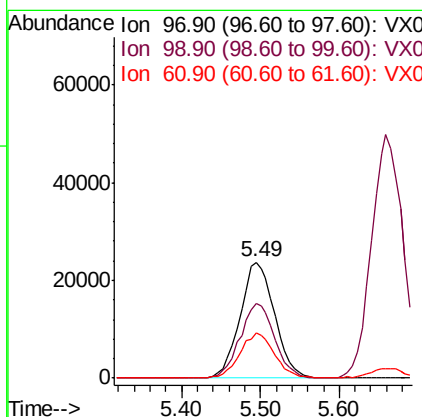
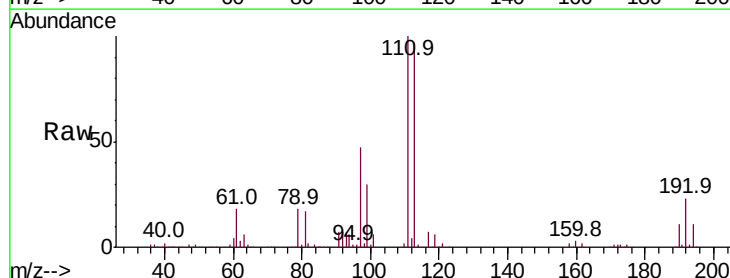
Tgt Ion: 97 Resp: 71885

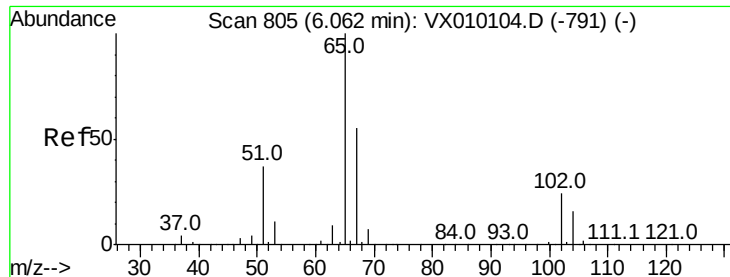
Ion Ratio Lower Upper

97 100

99 64.4 51.0 76.4

61 39.5 38.7 58.1





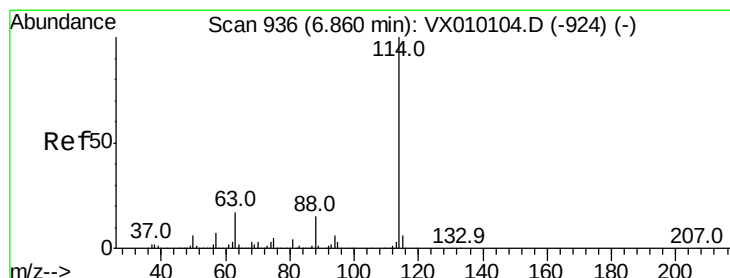
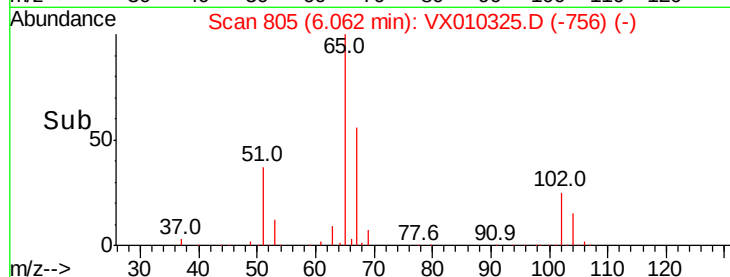
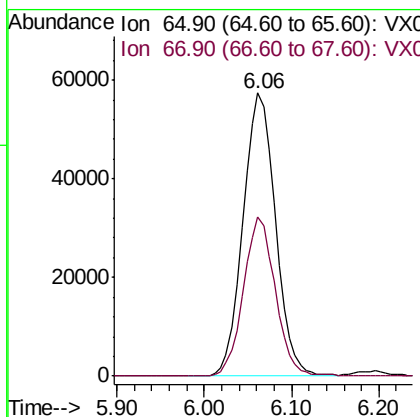
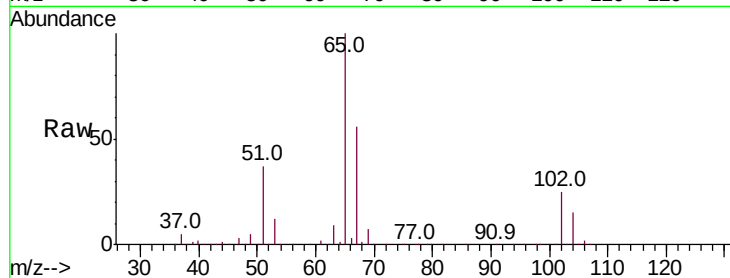
#33
 1,2-Dichloroethane-d4
 Concen: 51.349 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010325.D
 Acq: 17 Jun 2019 15:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0617MBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.0	0.0	108.4

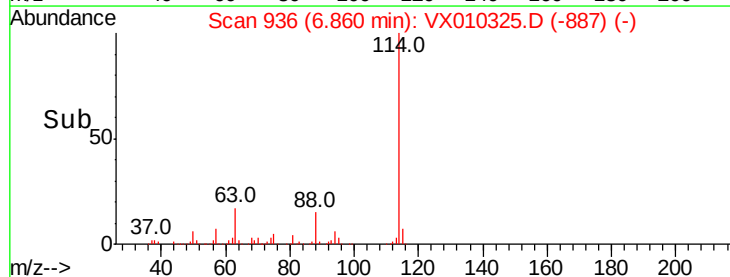
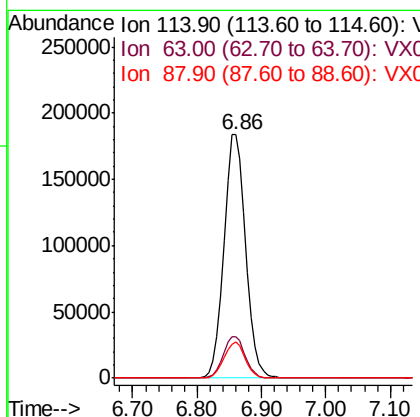
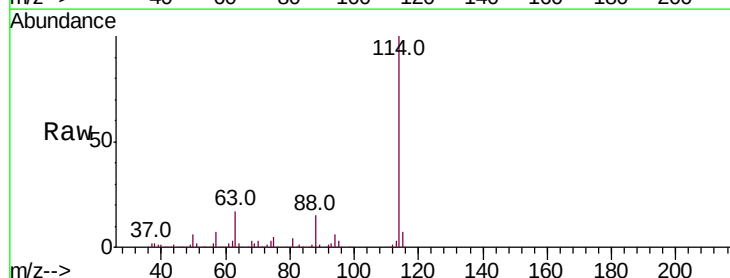
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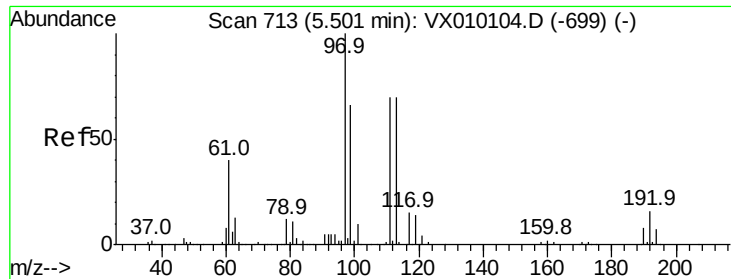
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010325.D
 Acq: 17 Jun 2019 15:35

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.2	0.0	47.4
88	14.9	0.0	33.0





#35

Dibromofluoromethane

Concen: 53.971 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

Instrument :

MSVOA_X

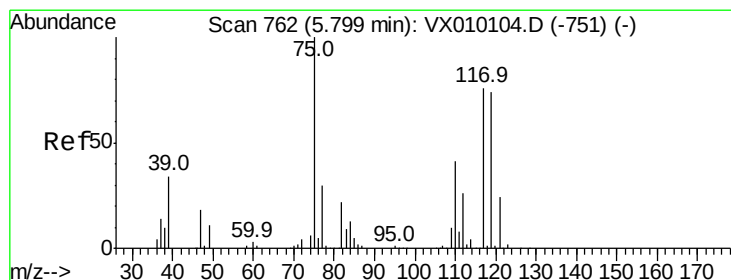
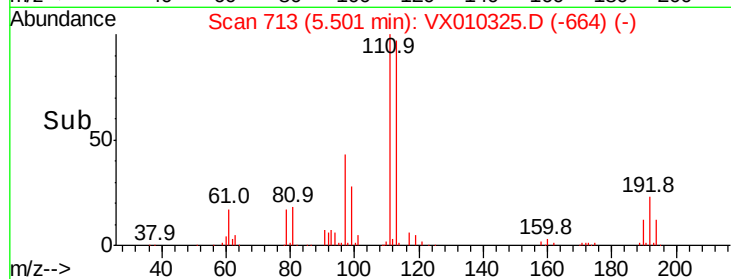
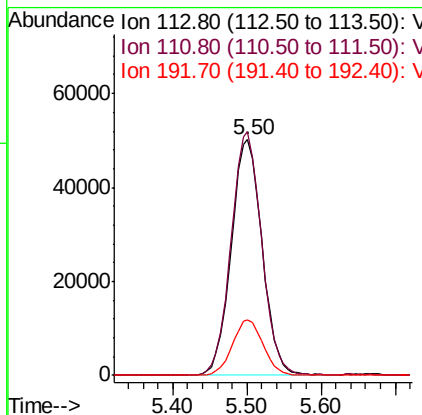
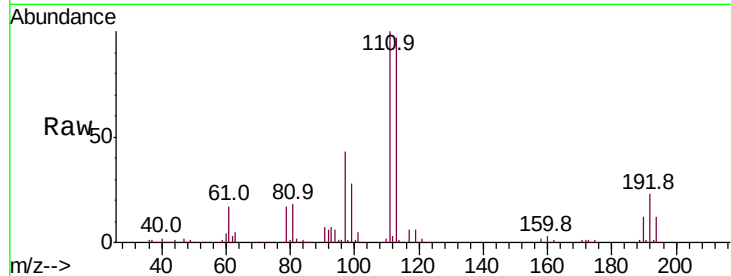
ClientSampleId :

VX0617MBS01

Tot Ion:	113	Resp:	145964
Ion Ratio	Lower	Upper	
113	100		
111	102.2	82.2	123.2
192	23.4	17.1	25.7

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#36

1,1-Dichloropropene

Concen: 15.664 ug/l

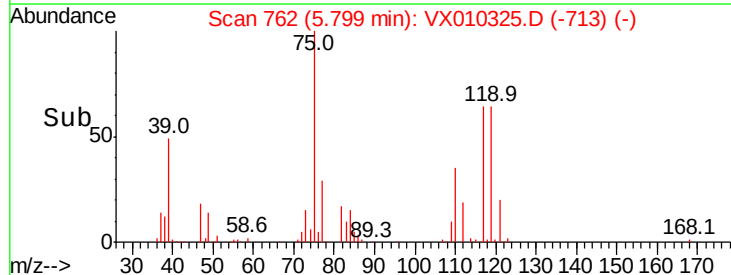
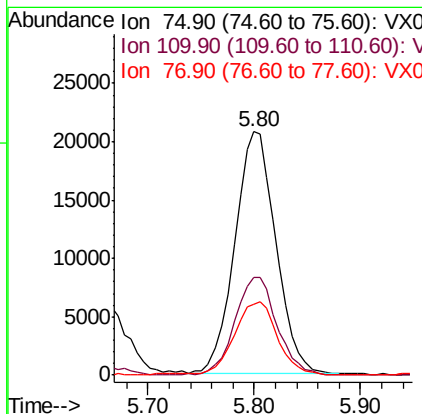
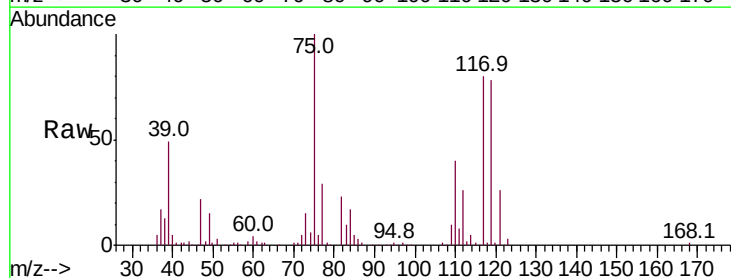
RT: 5.80 min Scan# 762

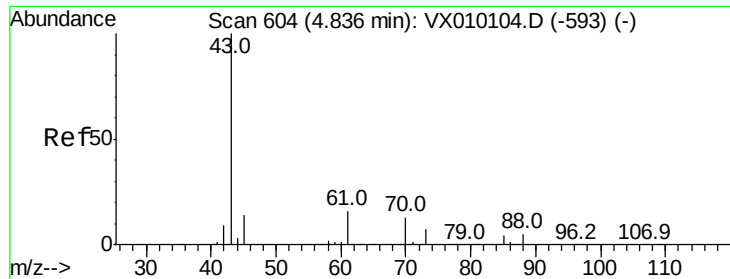
Delta R.T. 0.00 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

Tgt Ion:	75	Resp:	56034
Ion Ratio	Lower	Upper	
75	100		
110	41.4	16.7	50.1
77	31.7	25.0	37.4





#37

Ethyl Acetate

Concen: 16.395 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

Instrument :

MSVOA_X

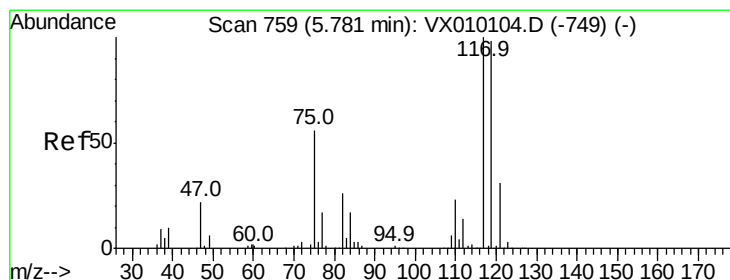
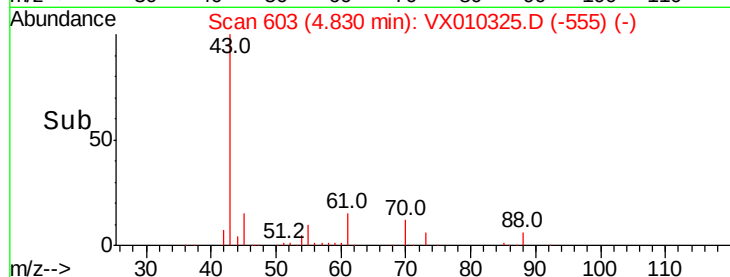
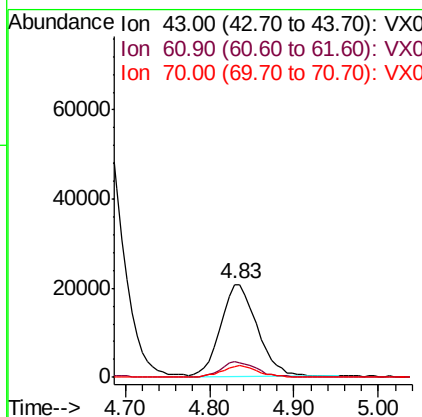
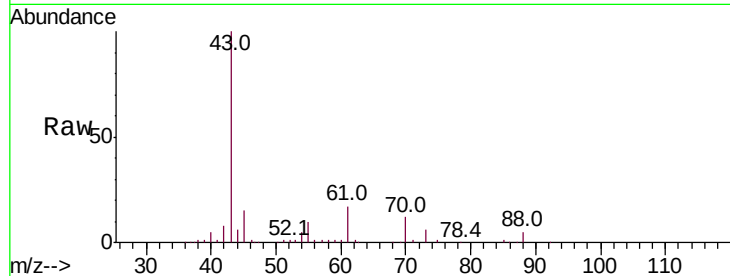
ClientSampleId :

VX0617MBS01

Tot Ion:	43	Resp:	61020
Ion	Ratio	Lower	Upper
43	100		
61	16.9	10.2	15.2#
70	13.1	7.4	11.2#

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#38

Carbon Tetrachloride

Concen: 15.701 ug/l

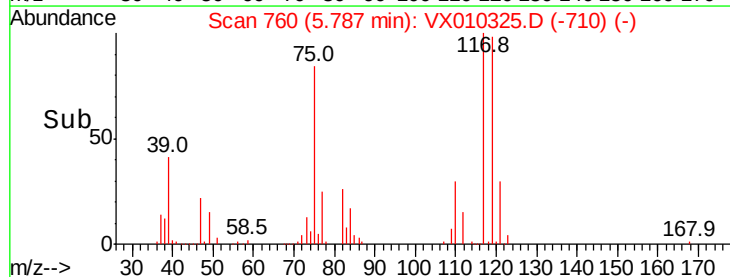
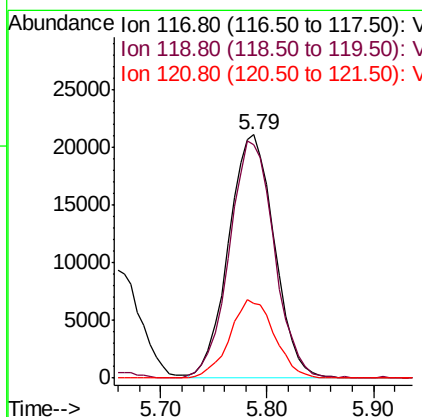
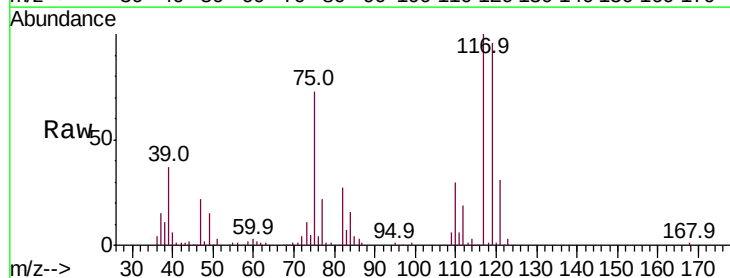
RT: 5.79 min Scan# 760

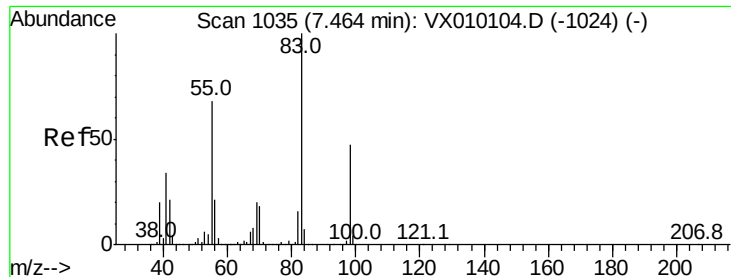
Delta R.T. 0.01 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

Tgt Ion:	117	Resp:	63571
Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.3	115.9
121	30.9	25.4	38.0





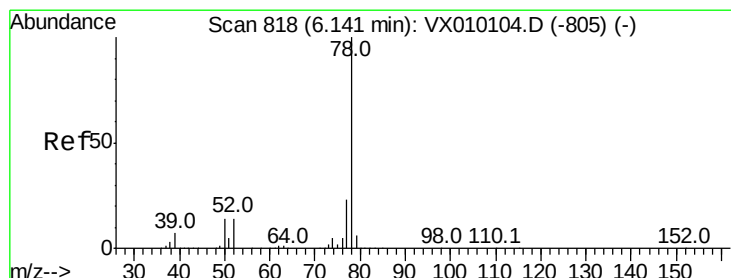
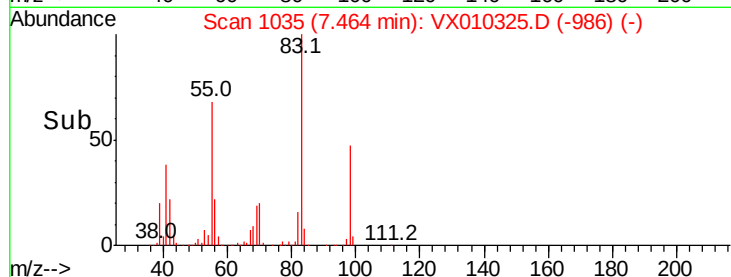
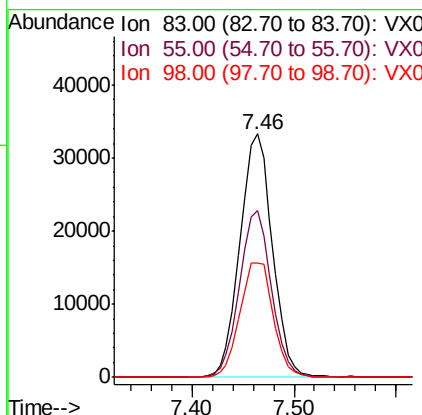
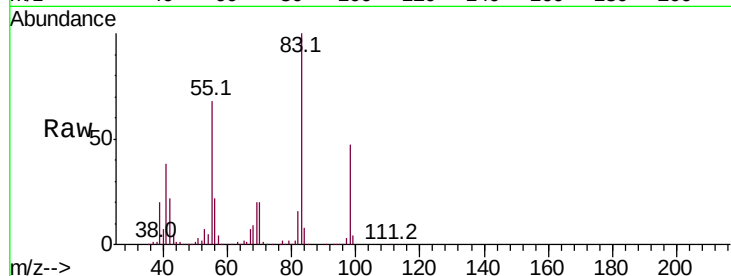
#39
Methylvlcyclohexane
Concen: 15.127 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010325.D
Acq: 17 Jun 2019 15:35

Instrument :
MSVOA_X
ClientSampleId :
VX0617MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.2	69.9	104.9#
98	47.1	35.1	52.7

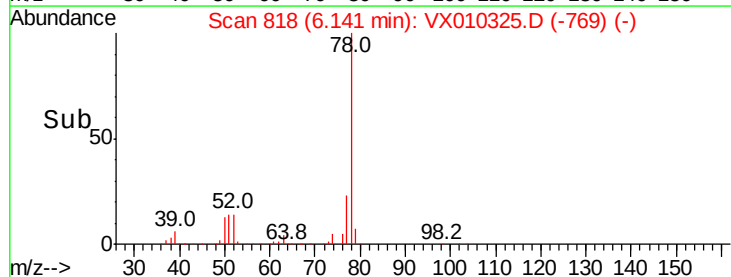
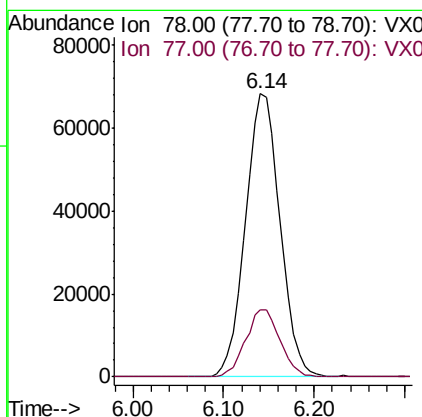
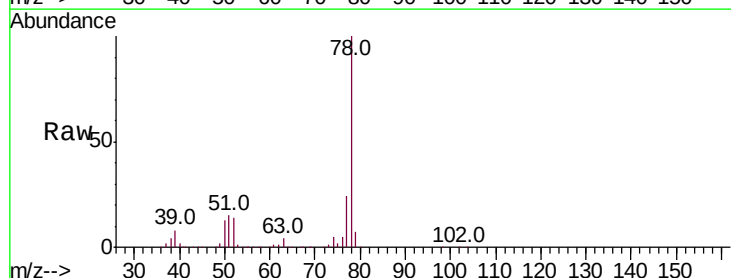
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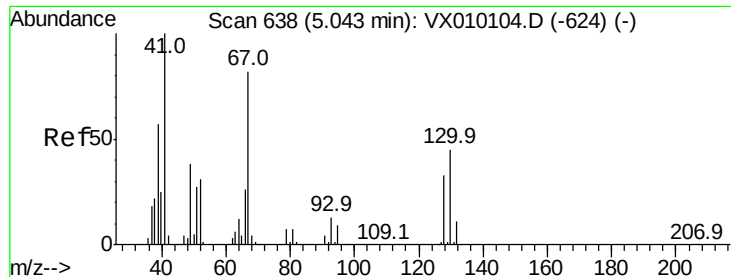
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#40
Benzene
Concen: 16.303 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010325.D
Acq: 17 Jun 2019 15:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.2	28.8





#41

Methacrylonitrile

Concen: 16.614 ug/l

RT: 5.05 min Scan# 639

Delta R.T. 0.01 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

Instrument :

MSVOA_X

ClientSampleId :

VX0617MBS01

Tot Ion: 41 Resp: 33449

Ion Ratio Lower Upper

41 100

39 55.5 42.2 63.4

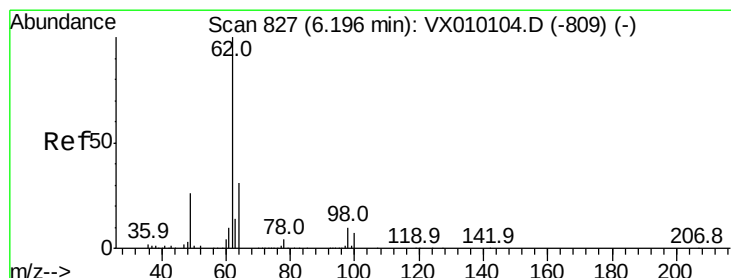
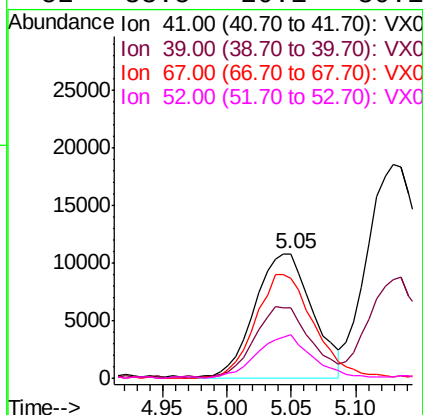
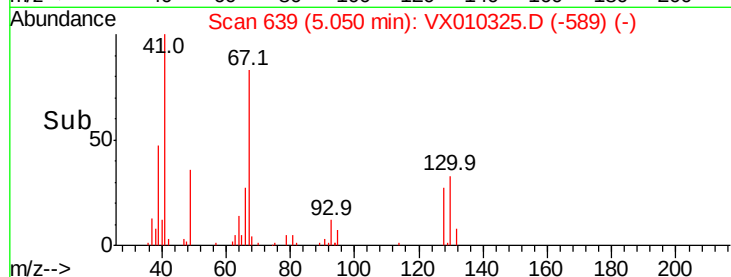
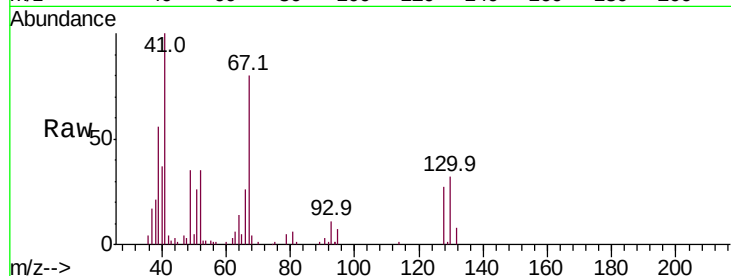
67 85.0 48.9 73.3#

52 33.5 20.1 30.1#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 16.315 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.00 min

Lab File: VX010325.D

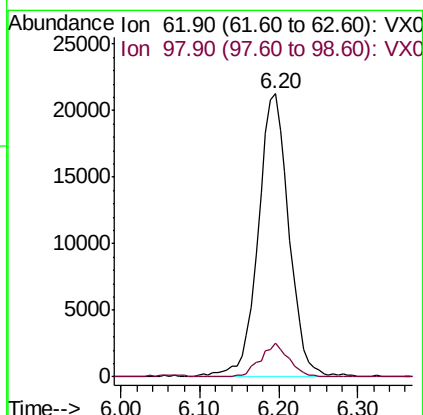
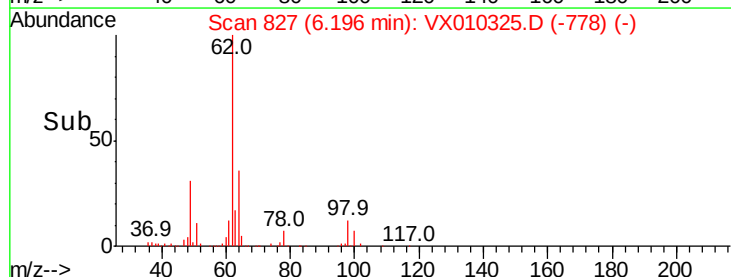
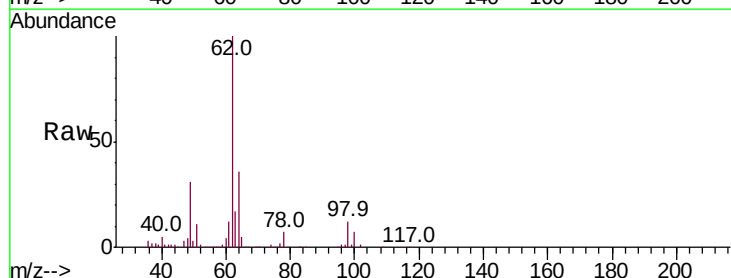
Acq: 17 Jun 2019 15:35

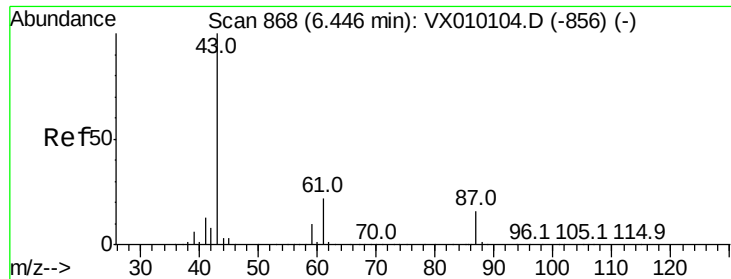
Tgt Ion: 62 Resp: 57612

Ion Ratio Lower Upper

62 100

98 10.9 0.0 17.2





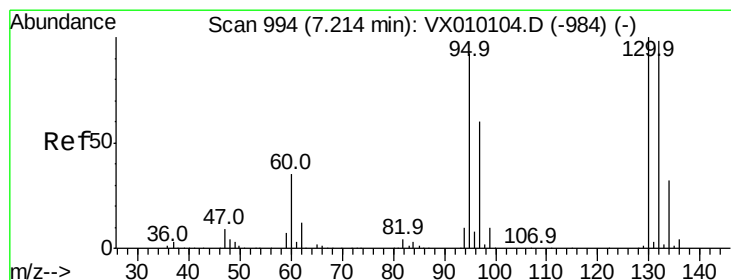
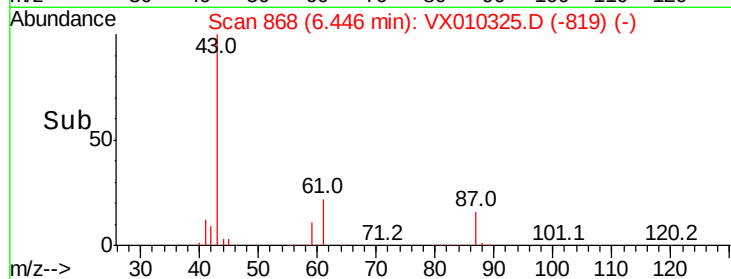
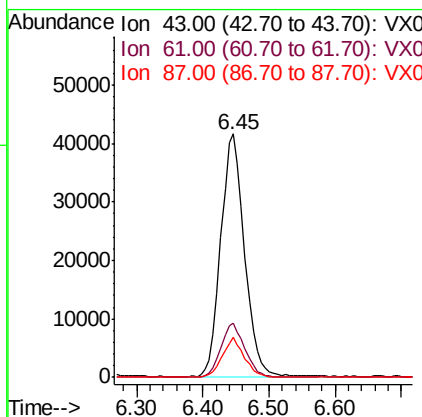
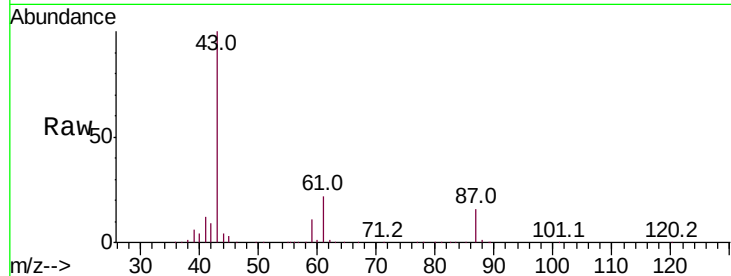
#43
Isopropyl Acetate
Concen: 16.584 ug/l
RT: 6.45 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX010325.D
Acq: 17 Jun 2019 15:35

Instrument :
MSVOA_X
ClientSampleId :
VX0617MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.5	14.6	21.8#
87	15.2	8.7	13.1#

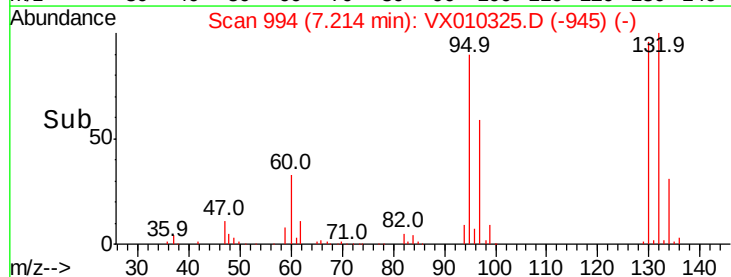
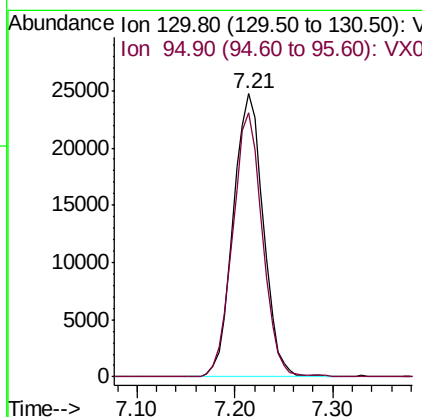
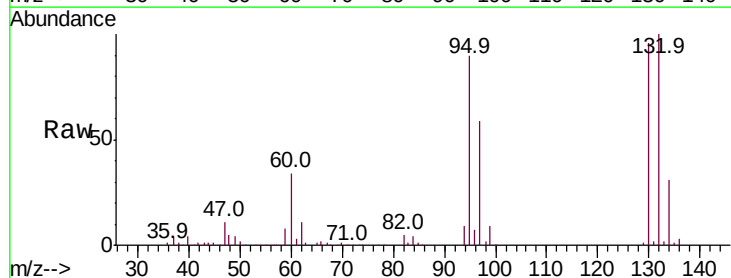
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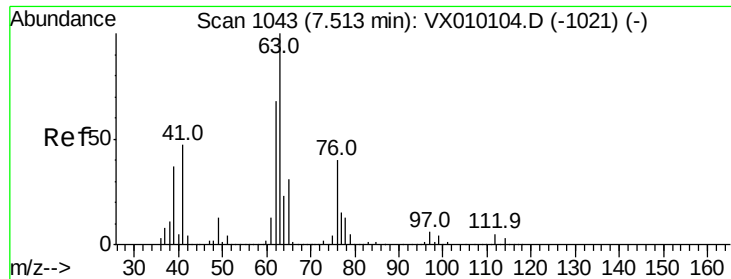
MMDadoda
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#44
Trichloroethene
Concen: 15.887 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX010325.D
Acq: 17 Jun 2019 15:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	207.4





#45

1,2-Dichloropropane

Concen: 16.853 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

Instrument :

MSVOA_X

ClientSampleId :

VX0617MBS01

Tot Ion: 63 Resp: 46659

Ion Ratio Lower Upper

63 100

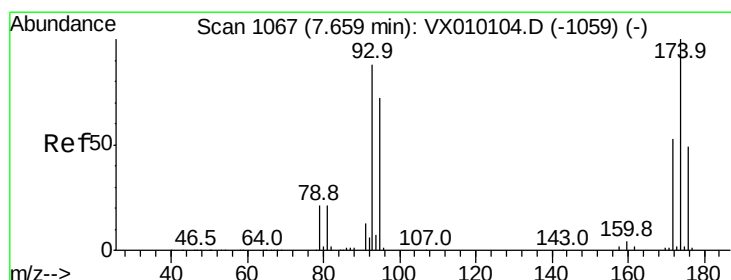
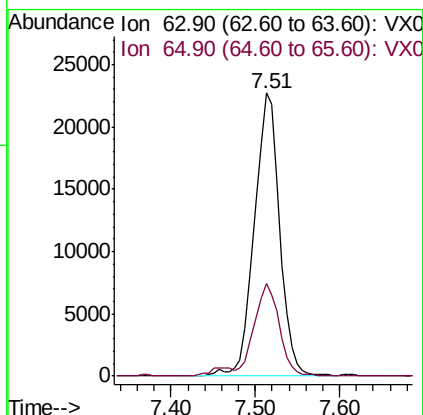
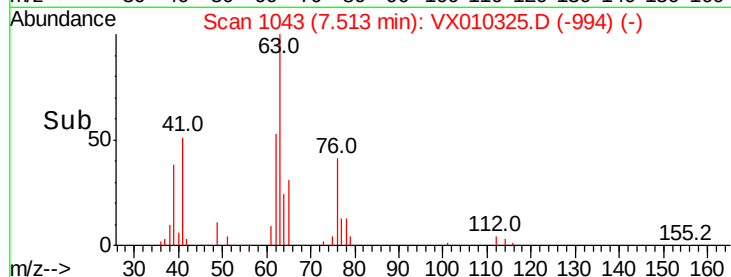
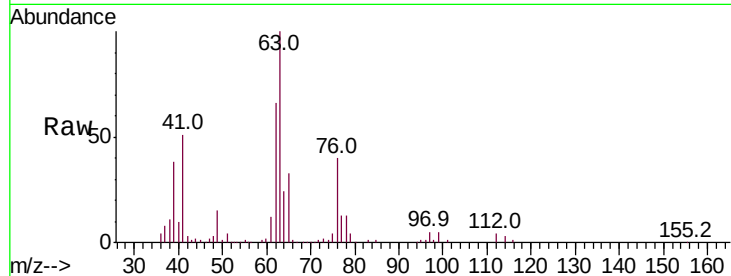
65 32.5 25.7 38.5

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#46

Dibromomethane

Concen: 16.046 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

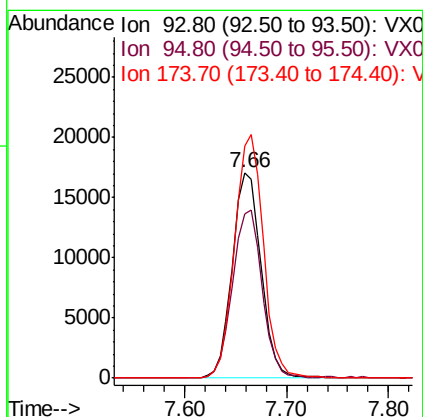
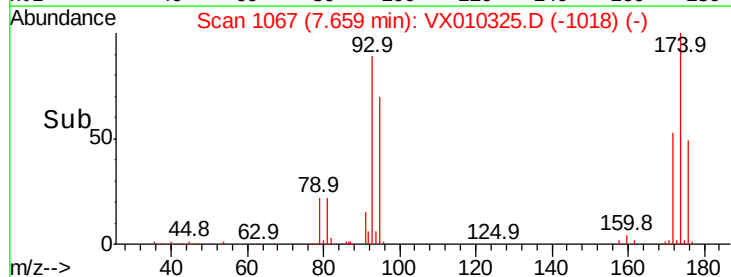
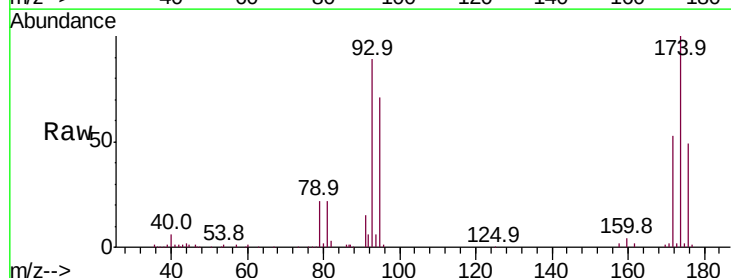
Tgt Ion: 93 Resp: 33281

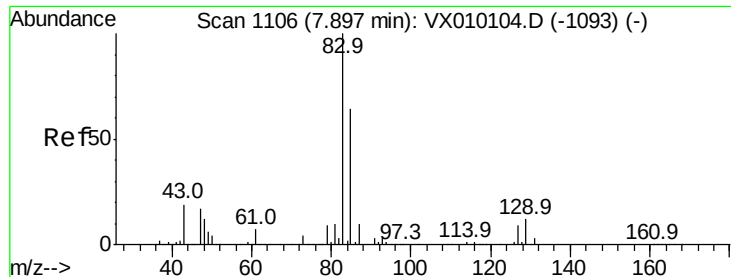
Ion Ratio Lower Upper

93 100

95 84.4 66.8 100.2

174 118.8 81.9 122.9





#47

Bromodichloromethane

Concen: 16.010 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

Instrument :

MSVOA_X

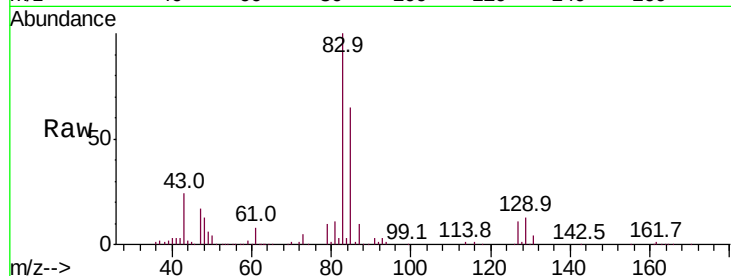
ClientSampleId :

VX0617MBS01

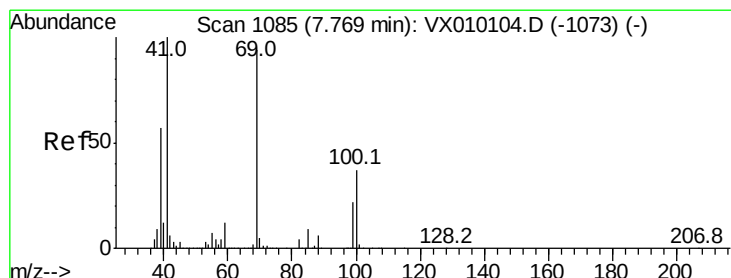
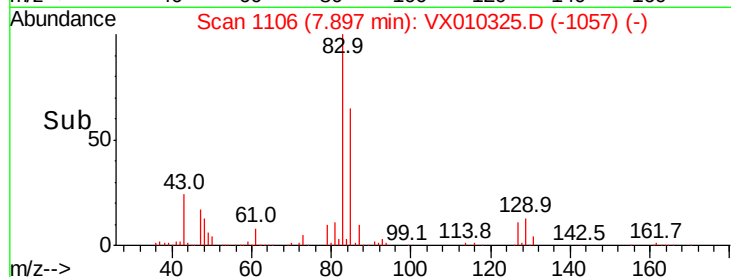
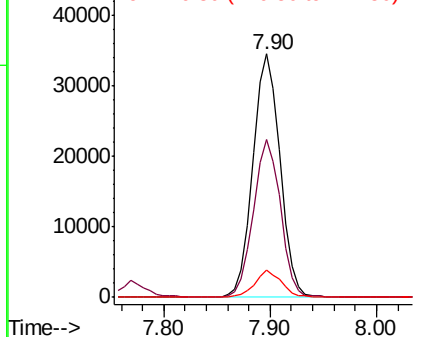
Tot Ion:	83	Resp:	62049
Ion Ratio	Lower	Upper	
83	100		
85	64.8	51.4	77.2
127	11.0	6.4	9.6#

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 16.810 ug/l

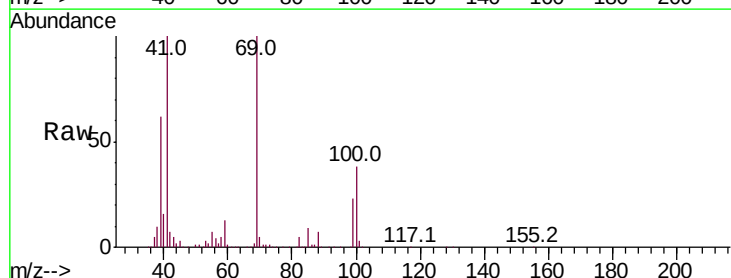
RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

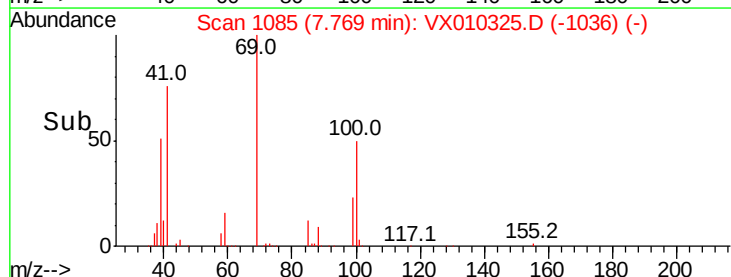
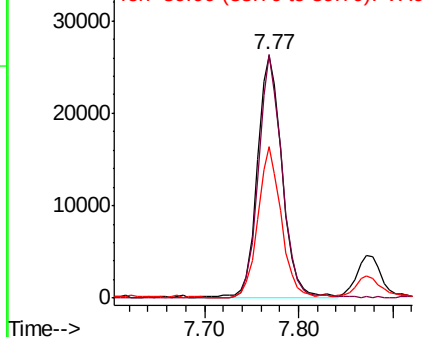
Lab File: VX010325.D

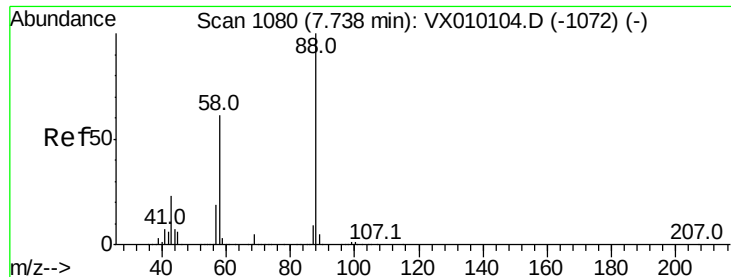
Acq: 17 Jun 2019 15:35

Tgt Ion:	41	Resp:	48922
Ion Ratio	Lower	Upper	
41	100		
69	95.2	56.4	84.6#
39	57.9	40.6	60.8



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 333.057 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

Instrument :

MSVOA_X

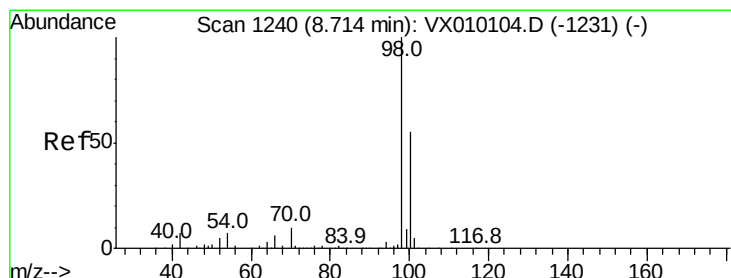
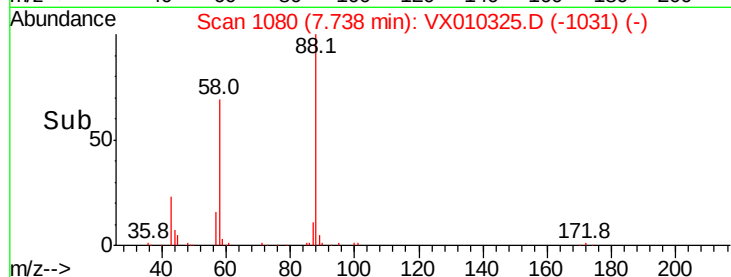
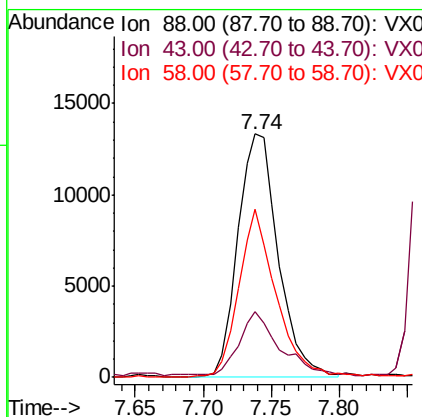
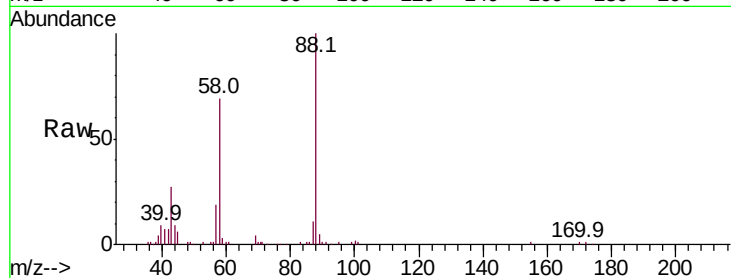
ClientSampleId :

VX0617MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	25.6	30.2	45.4#
58	64.4	64.0	96.0

Manual Integrations
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#50

Toluene-d8

Concen: 53.139 ug/l

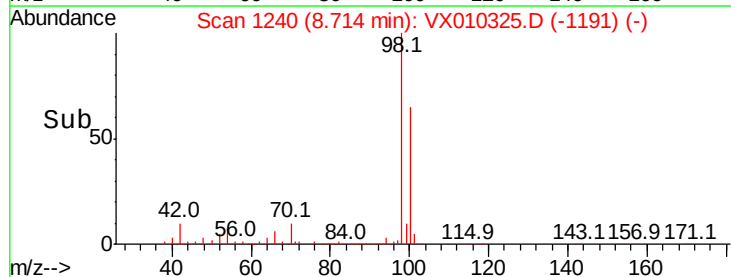
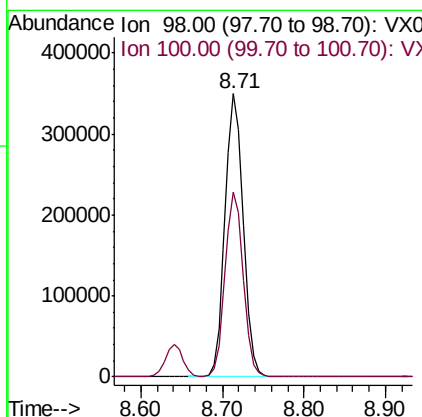
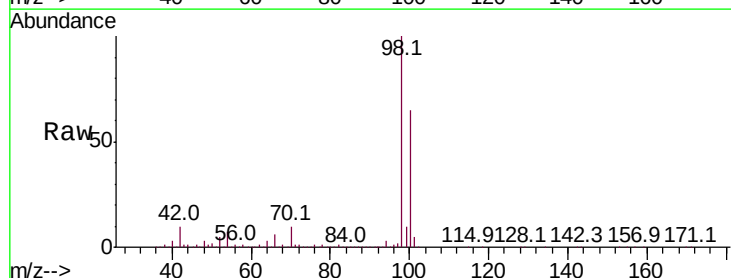
RT: 8.71 min Scan# 1240

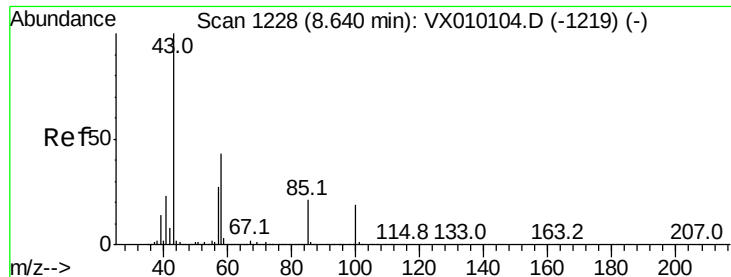
Delta R.T. 0.00 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 89.139 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

Instrument :

MSVOA_X

ClientSampleId :

VX0617MBS01

Tot Ion: 43 Resp: 331384

Ion Ratio Lower Upper

43 100

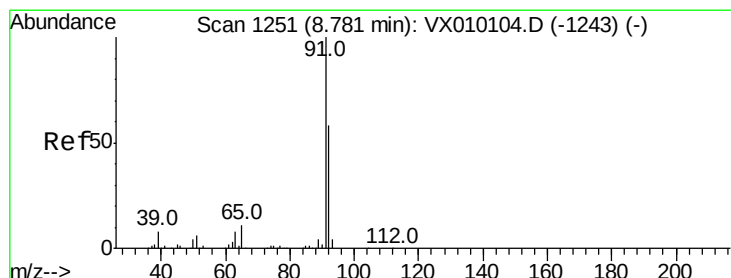
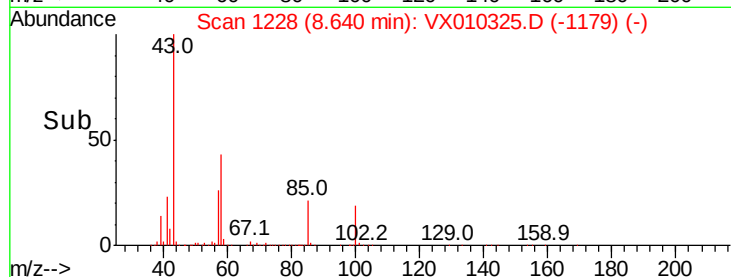
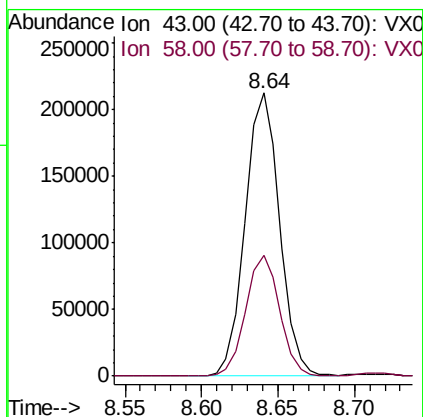
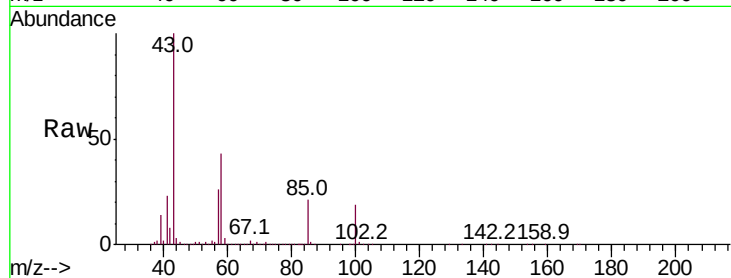
58 42.3 28.8 43.2

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#52

Toluene

Concen: 16.104 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX010325.D

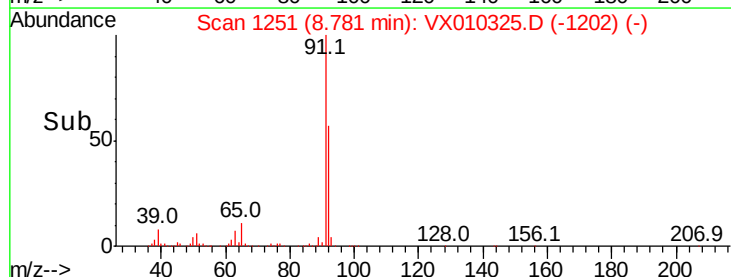
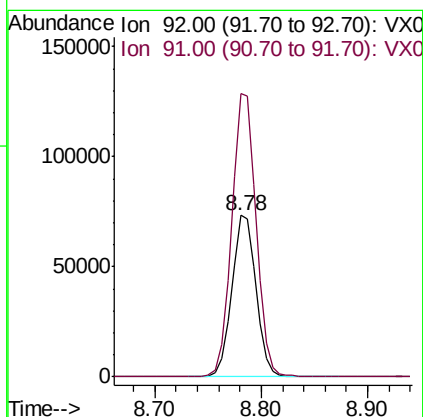
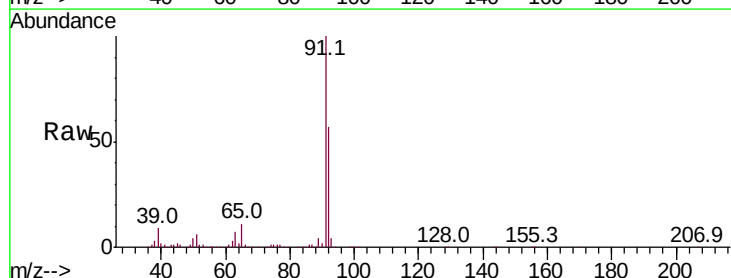
Acq: 17 Jun 2019 15:35

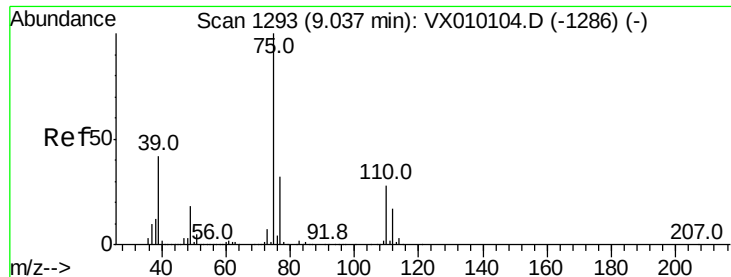
Tgt Ion: 92 Resp: 117096

Ion Ratio Lower Upper

92 100

91 176.2 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 15.325 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

Instrument :

MSVOA_X

ClientSampleId :

VX0617MBS01

Tot Ion: 75 Resp: 68701

Ion Ratio Lower Upper

75 100

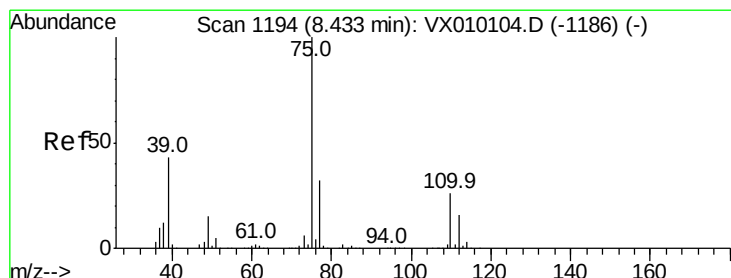
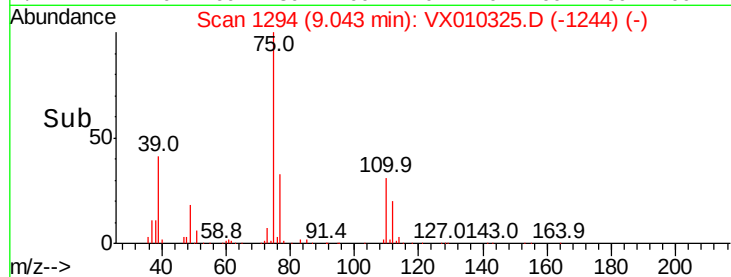
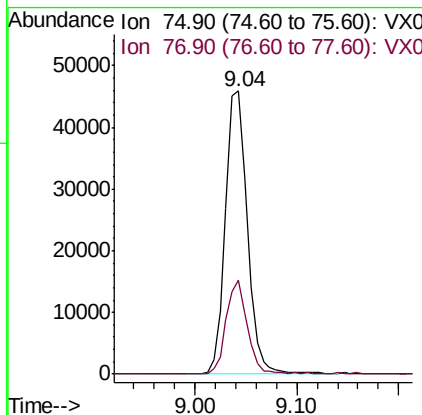
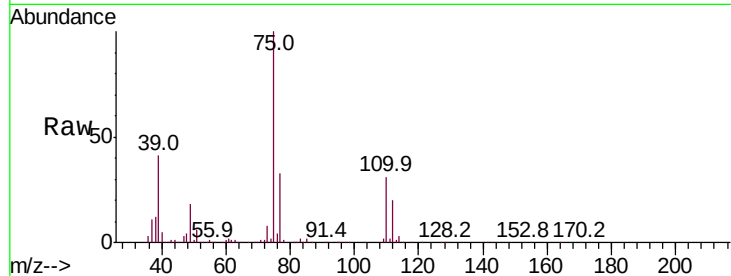
77 32.8 24.6 36.8

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#54

cis-1,3-Dichloropropene

Concen: 15.617 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

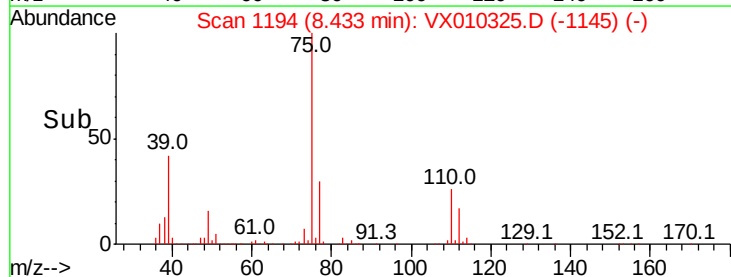
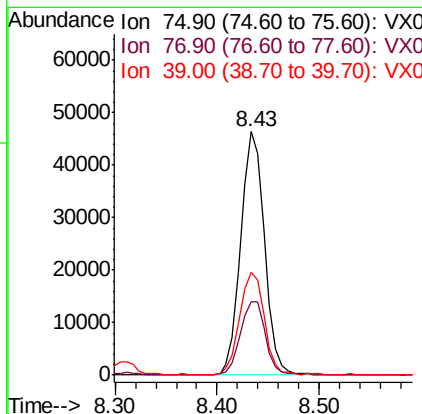
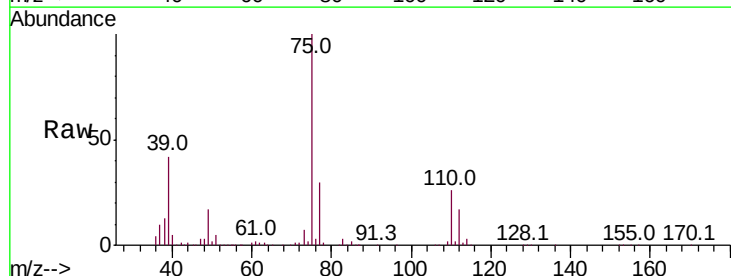
Tgt Ion: 75 Resp: 75052

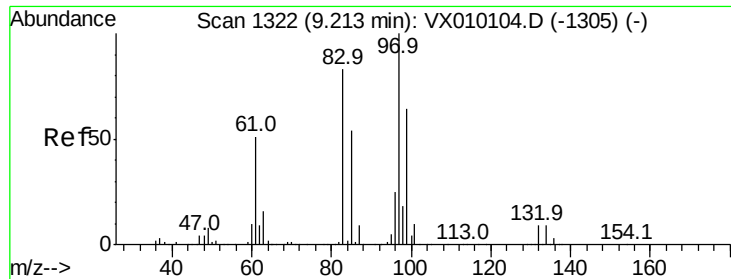
Ion Ratio Lower Upper

75 100

77 30.3 24.8 37.2

39 41.9 43.4 65.0#





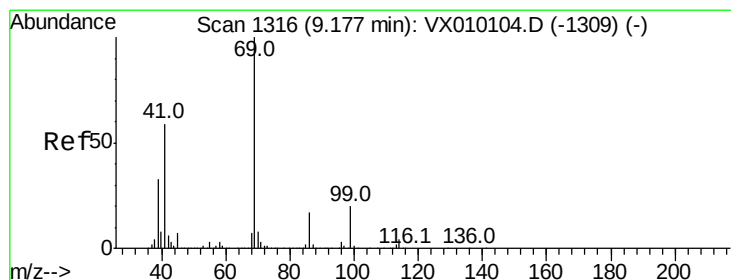
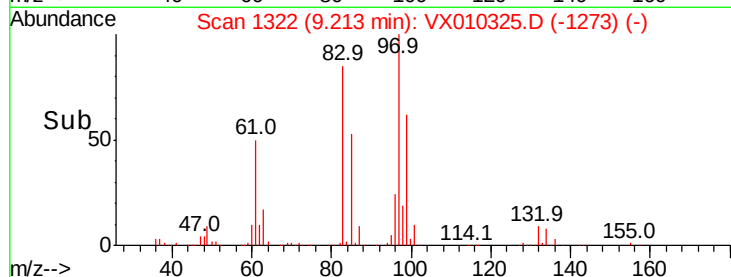
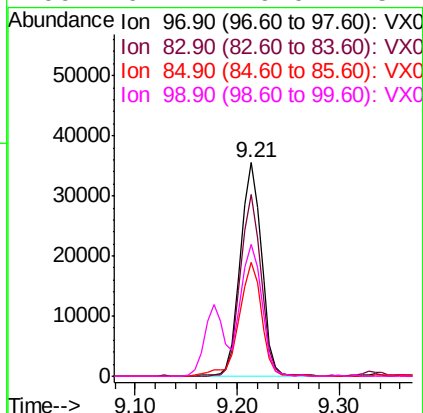
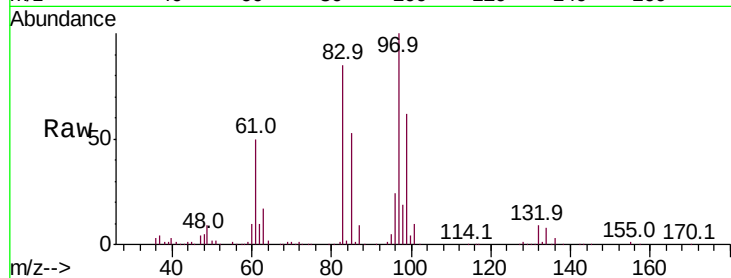
#55
 1,1,2-Trichloroethane
 Concen: 17.282 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010325.D
 Acq: 17 Jun 2019 15:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0617MBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.8	69.8	104.8
85	53.4	45.3	67.9
99	61.2	49.0	73.4

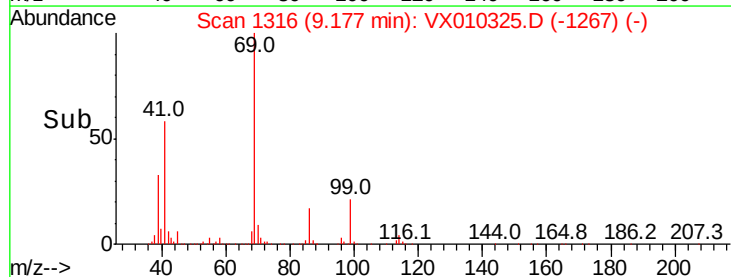
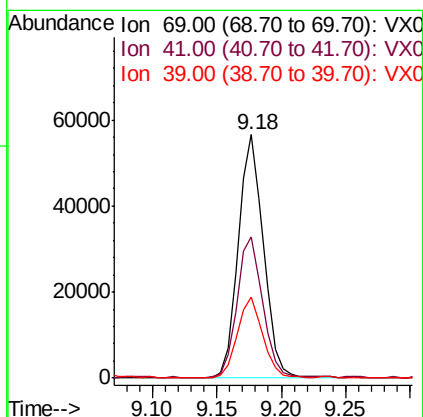
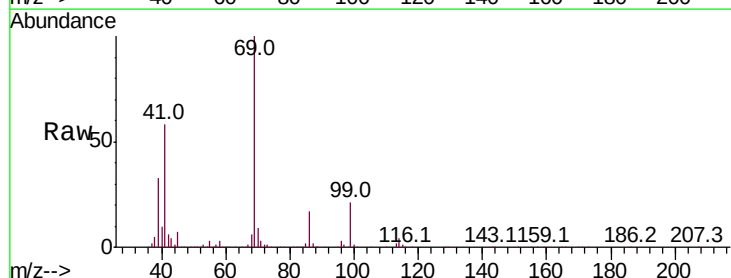
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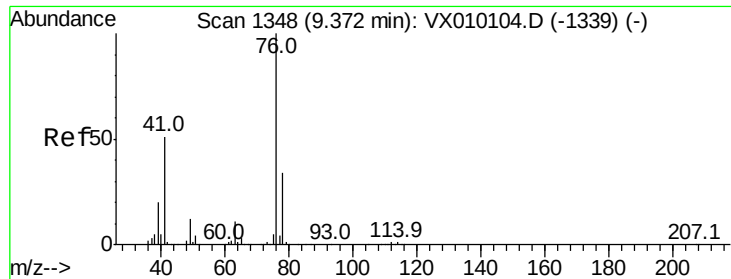
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#56
 Ethyl methacrylate
 Concen: 16.340 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010325.D
 Acq: 17 Jun 2019 15:35

Tgt Ion	Ratio	Lower	Upper
69	100		
41	58.6	62.7	94.1#
39	32.7	29.5	44.3





#57

1,3-Dichloropropane

Concen: 16.521 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

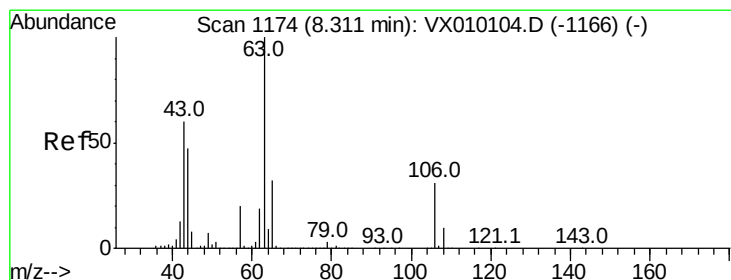
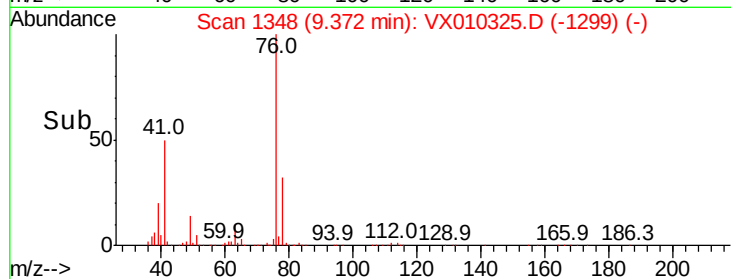
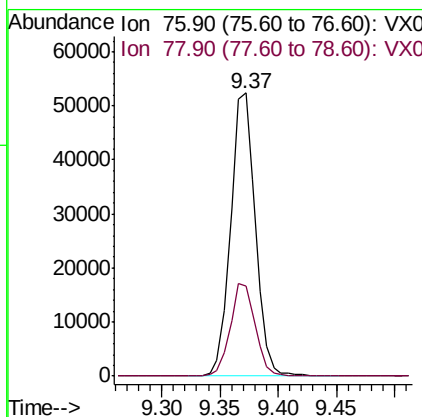
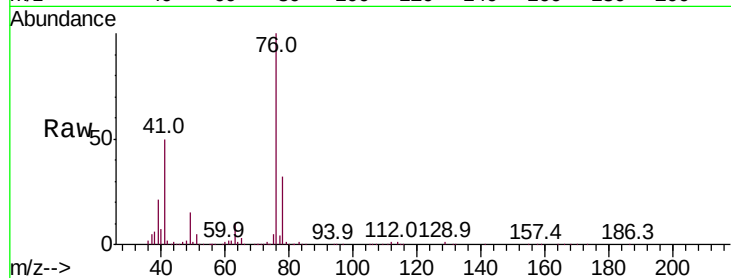
Instrument :
MSVOA_X

ClientSampleId :
VX0617MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.2	25.4	38.0

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 94.803 ug/l

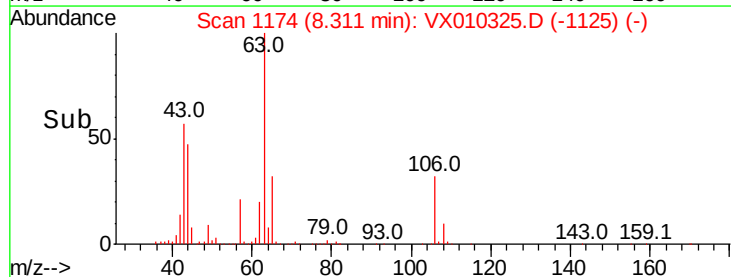
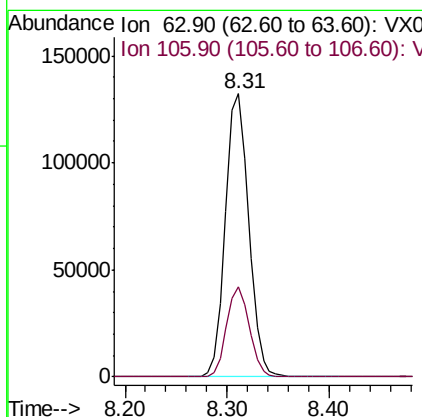
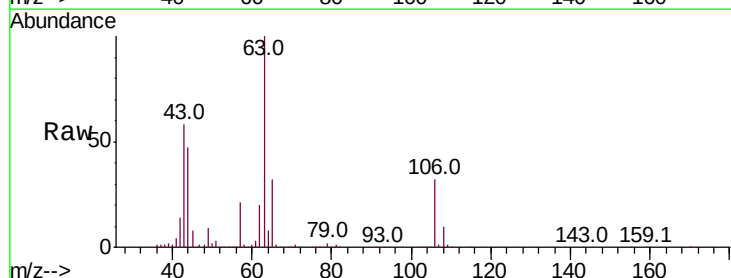
RT: 8.31 min Scan# 1174

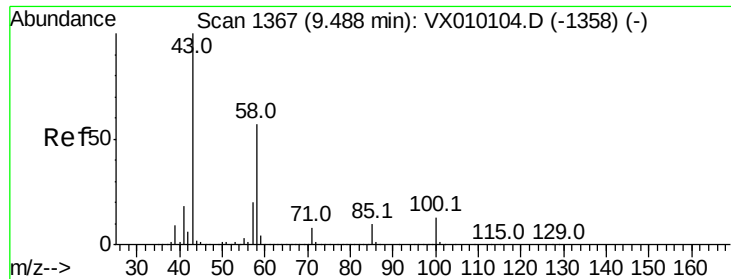
Delta R.T. 0.00 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.2	19.4	29.2





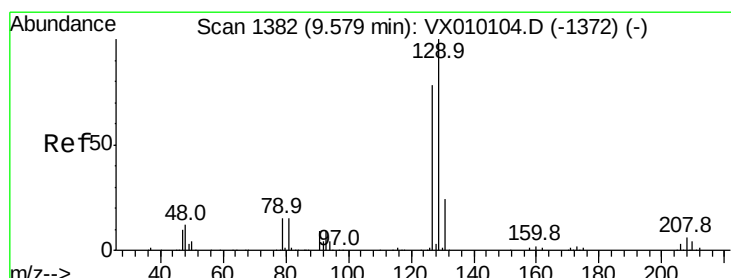
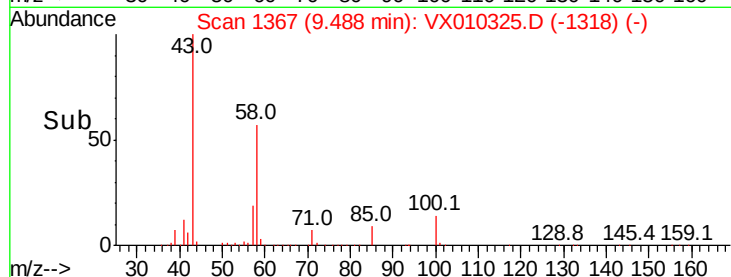
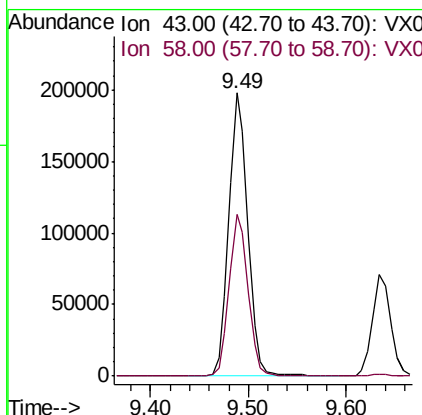
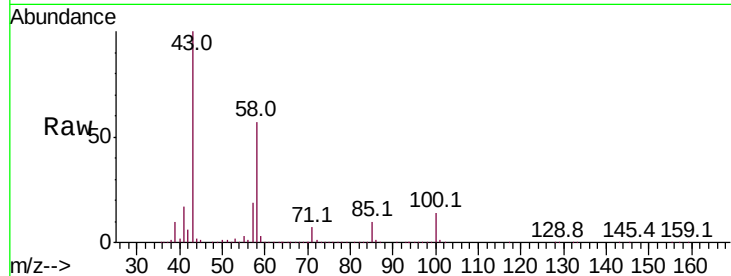
#59
2-Hexanone
Concen: 89.595 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010325.D
Acq: 17 Jun 2019 15:35

Instrument :
MSVOA_X
ClientSampleId :
VX0617MBS01

Tot Ion: 43 Resp: 265569
Ion Ratio Lower Upper
43 100
58 57.4 25.1 75.3

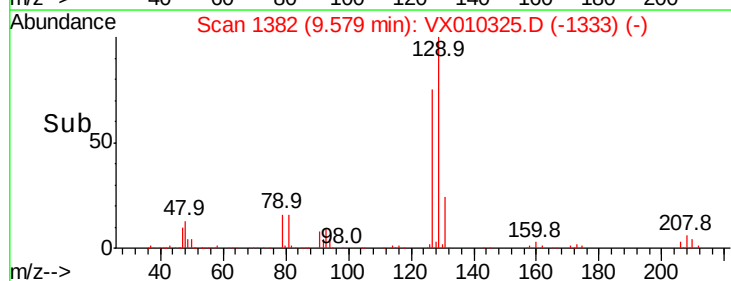
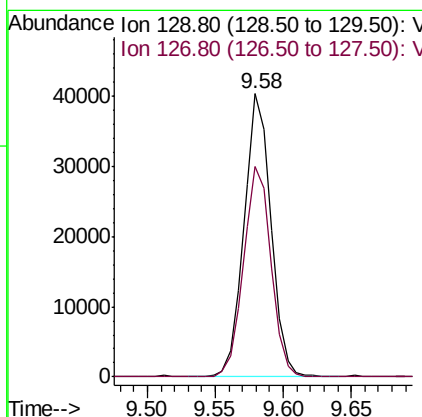
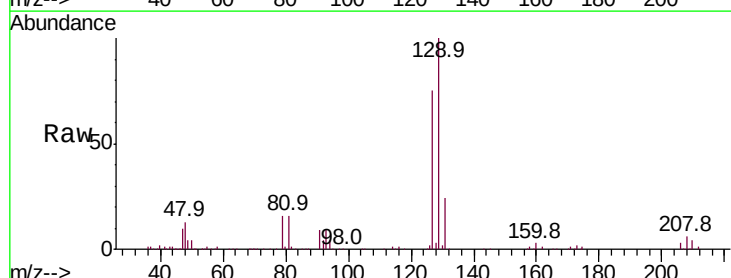
Manual Integrations
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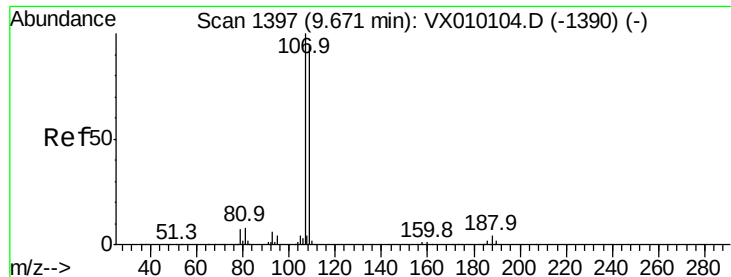
MMDadoda
6/18/2019 11:26:46 AM



#60
Dibromochloromethane
Concen: 15.763 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010325.D
Acq: 17 Jun 2019 15:35

Tgt Ion:129 Resp: 55520
Ion Ratio Lower Upper
129 100
127 76.3 38.5 115.5





#61

1,2-Dibromoethane

Concen: 15.993 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

Instrument :

MSVOA_X

ClientSampleId :

VX0617MBS01

Tot Ion:107 Resp: 53041

Ion Ratio Lower Upper

107 100

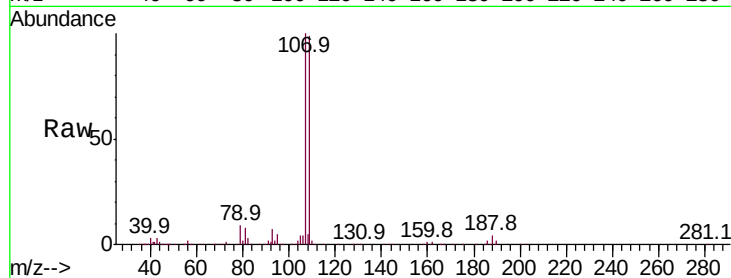
109 97.2 75.4 113.2

Manual Integrations

APPROVED

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

40000

30000

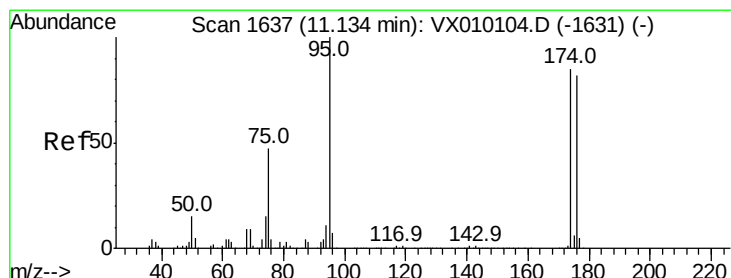
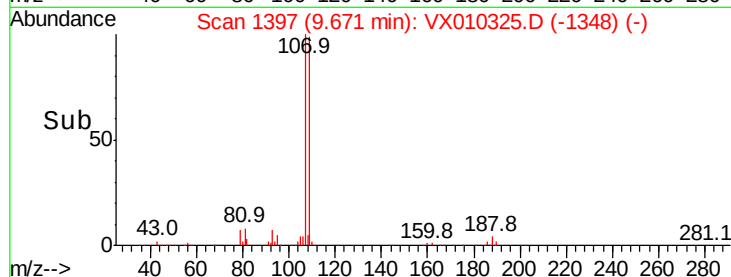
20000

10000

0

9.60 9.70 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 51.680 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

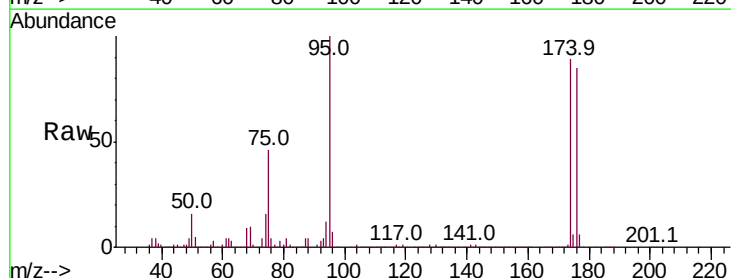
Tgt Ion: 95 Resp: 195630

Ion Ratio Lower Upper

95 100

174 95.4 0.0 160.4

176 91.3 0.0 154.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

200000

150000

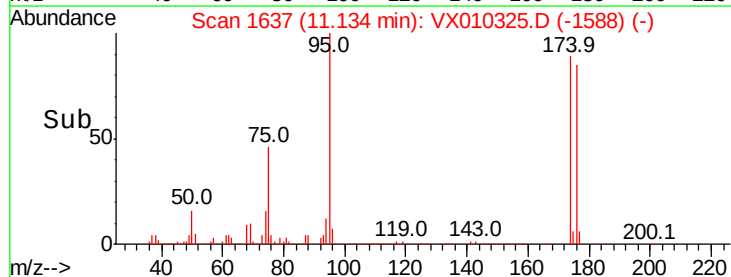
100000

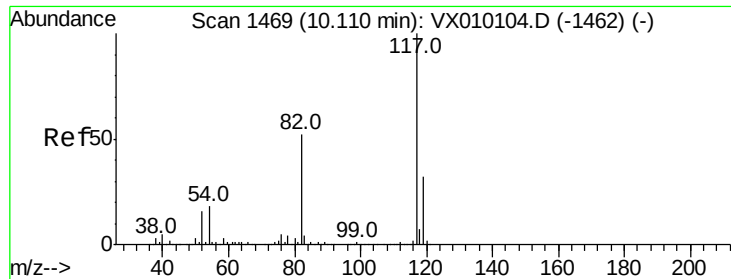
50000

0

11.05 11.10 11.15 11.20

Time-->





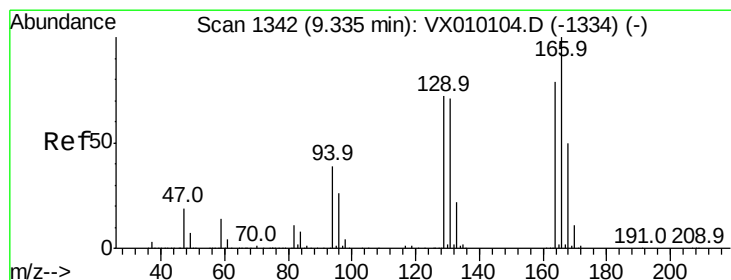
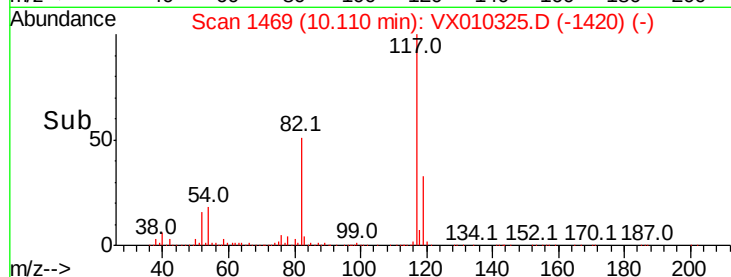
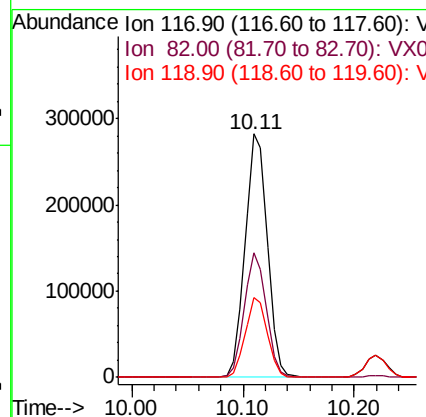
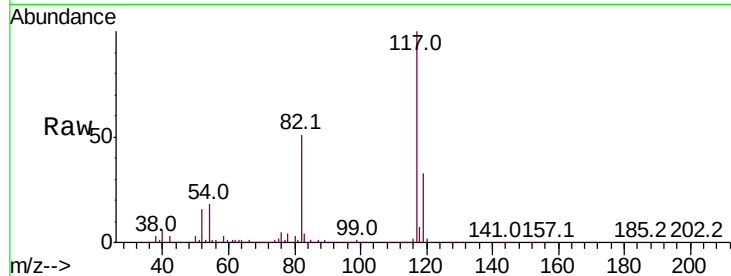
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010325.D
Acq: 17 Jun 2019 15:35

Instrument :
MSVOA_X
ClientSampleId :
VX0617MBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	51.3	49.2	73.8	
119	32.7	25.2	37.8	

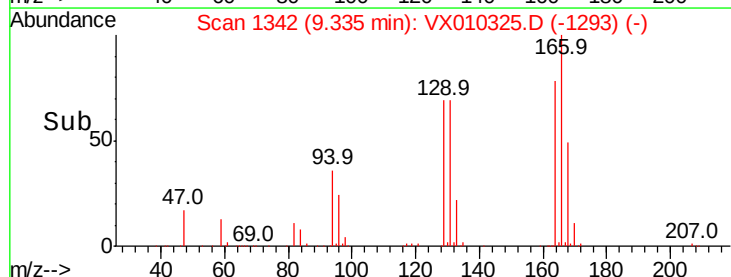
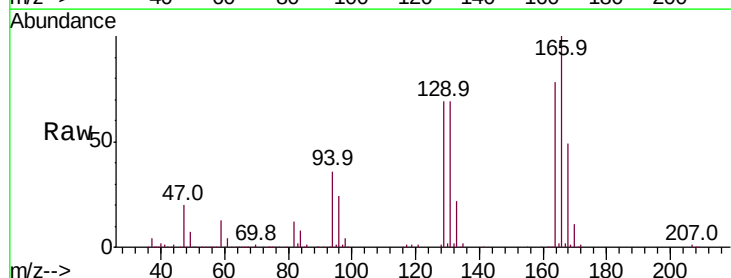
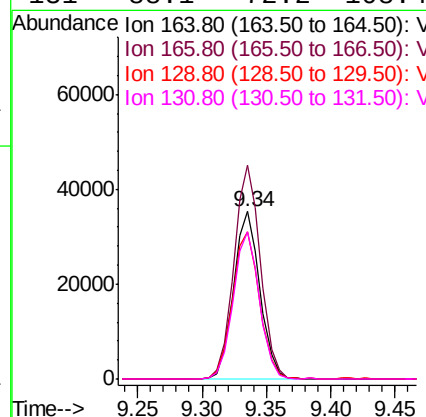
Manual Integrations
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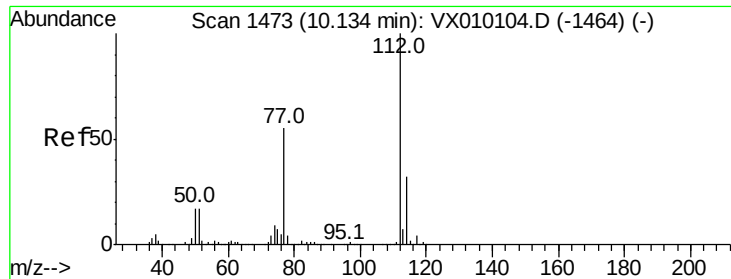
MMDadoda
6/18/2019 11:26:46 AM



#64
Tetrachloroethene
Concen: 17.332 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010325.D
Acq: 17 Jun 2019 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	127.5	105.0	157.4	
129	87.6	75.1	112.7	
131	88.1	72.2	108.4	





#65

Chlorobenzene

Concen: 16.759 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

Instrument :

MSVOA_X

ClientSampleId :

VX0617MBS01

Tot Ion:112 Resp: 135536

Ion Ratio Lower Upper

112 100

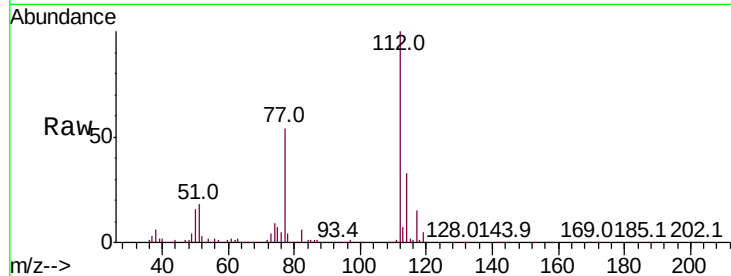
114 32.8 25.8 38.8

Manual Integrations

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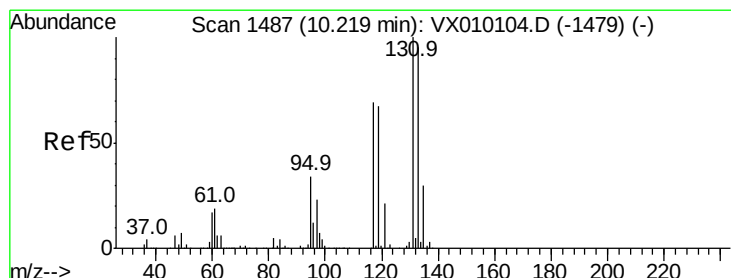
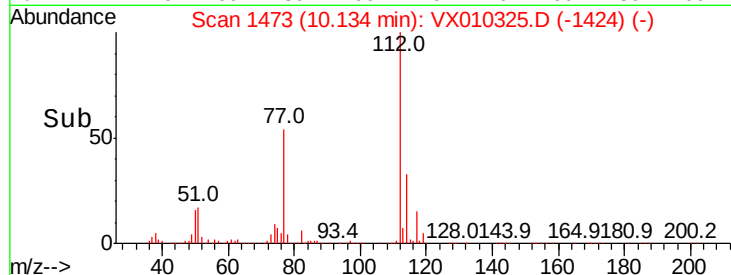
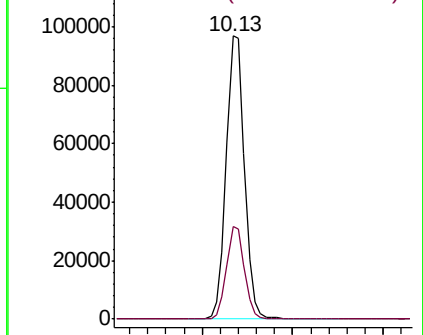
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 16.600 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

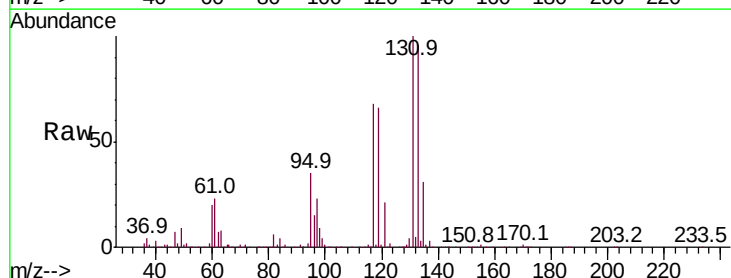
Tgt Ion:131 Resp: 51627

Ion Ratio Lower Upper

131 100

133 94.7 47.5 142.6

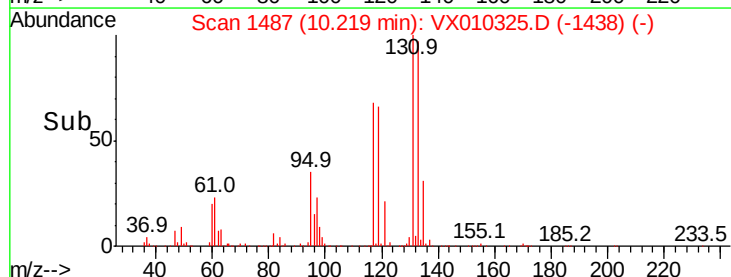
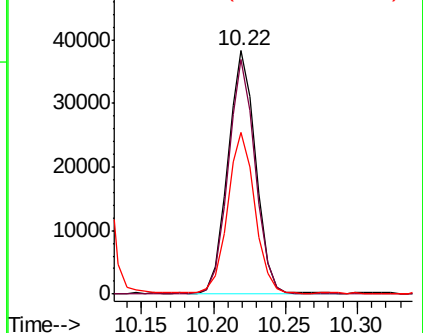
119 65.2 33.4 100.1

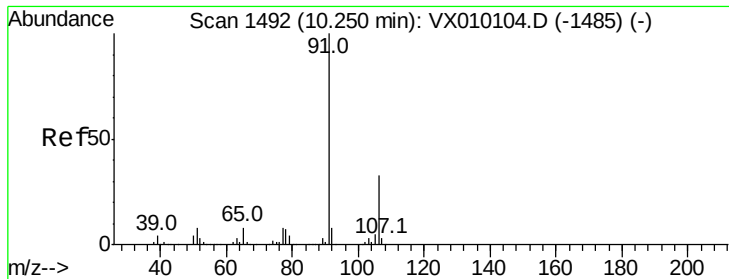


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 16.639 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

Instrument :

MSVOA_X

ClientSampleId :

VX0617MBS01

Tot Ion: 91 Resp: 229072

Ion Ratio Lower Upper

91 100

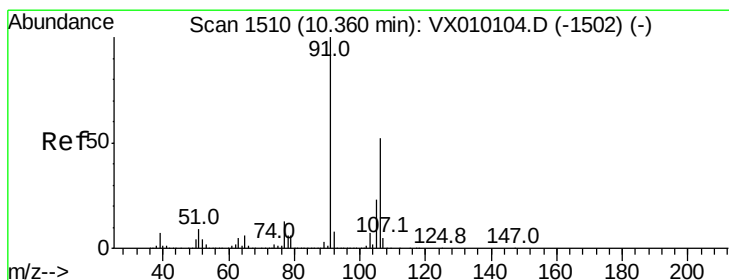
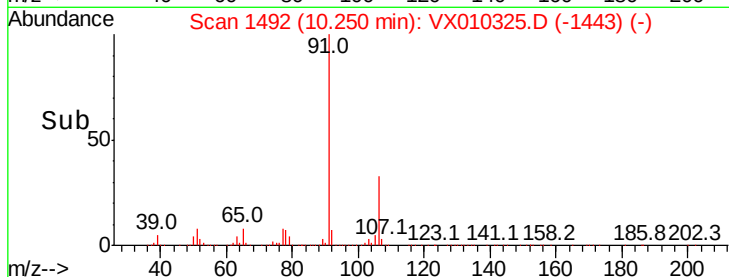
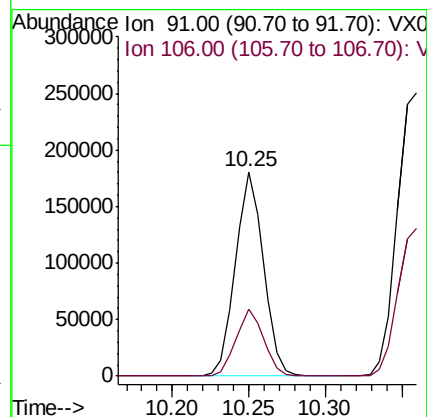
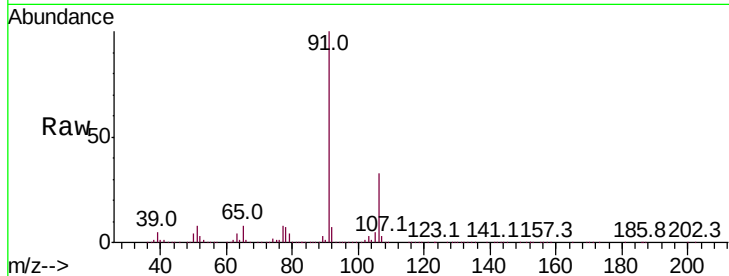
106 32.8 23.9 35.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 33.461 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010325.D

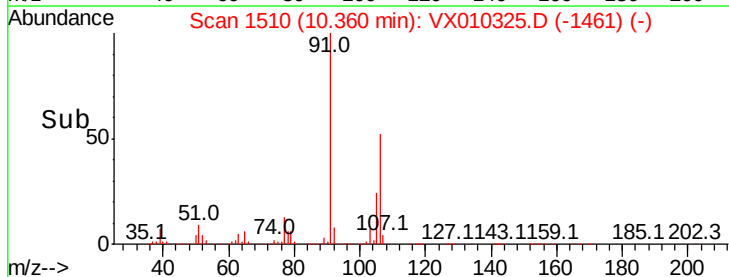
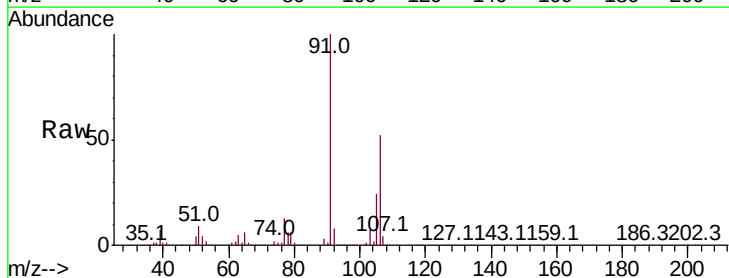
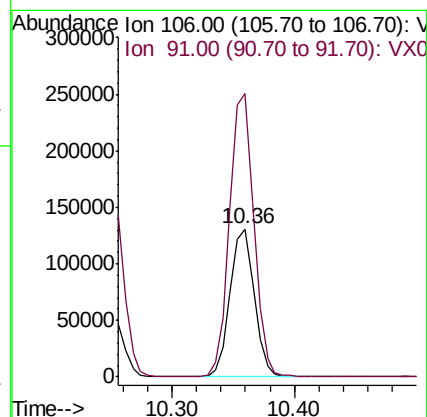
Acq: 17 Jun 2019 15:35

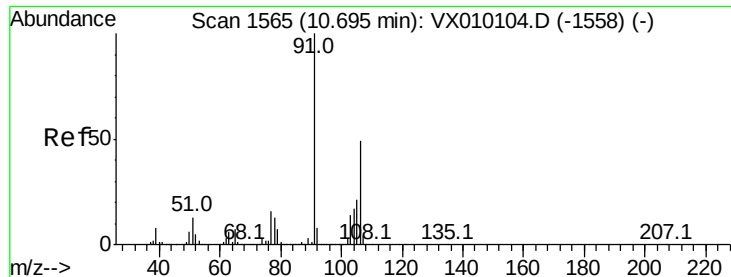
Tgt Ion: 106 Resp: 178261

Ion Ratio Lower Upper

106 100

91 193.5 167.3 250.9





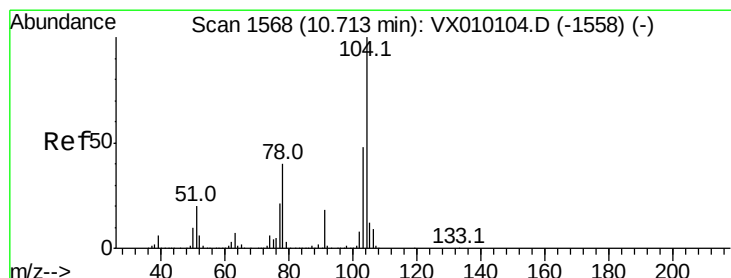
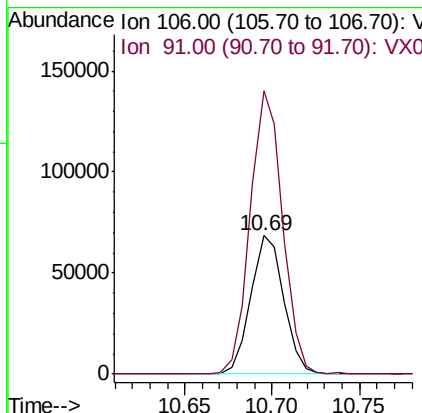
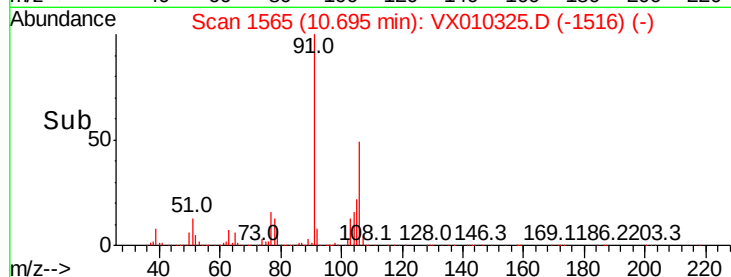
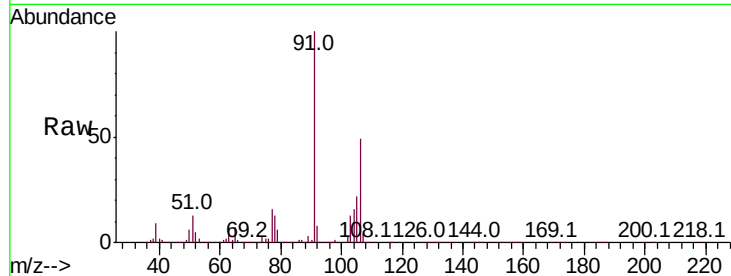
#69
o-Xylene
Concen: 16.970 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010325.D
Acq: 17 Jun 2019 15:35

Instrument :
MSVOA_X
ClientSampleId :
VX0617MBS01

Tot Ion:106 Resp: 89870
Ion Ratio Lower Upper
106 100
91 200.0 110.4 331.2

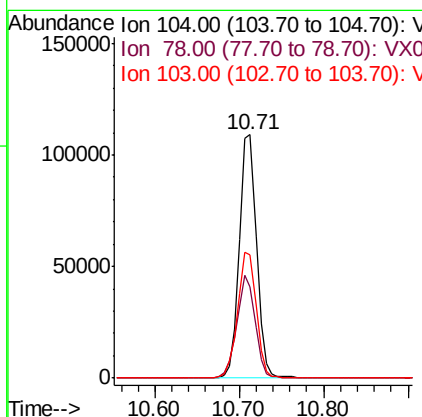
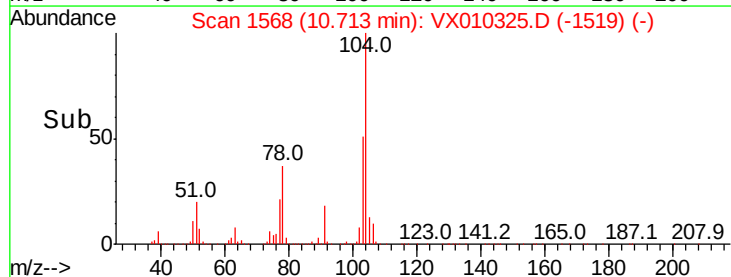
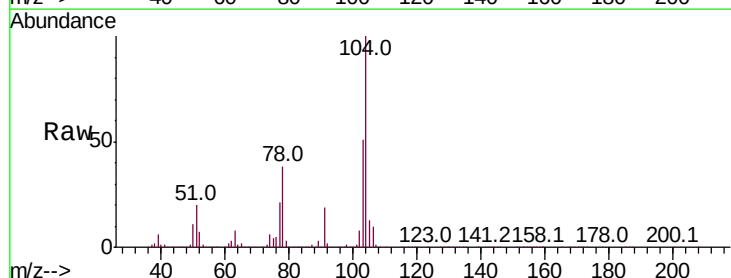
Manual Integrations
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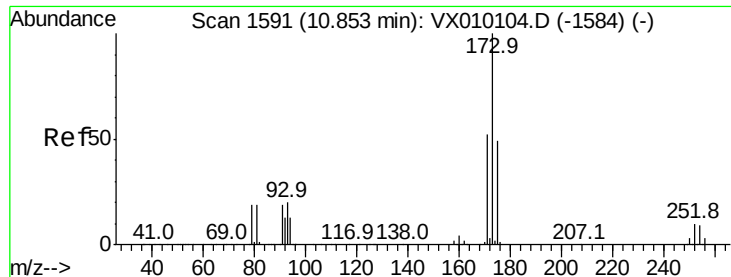
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#70
Styrene
Concen: 16.653 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010325.D
Acq: 17 Jun 2019 15:35

Tgt Ion:104 Resp: 149361
Ion Ratio Lower Upper
104 100
78 44.6 42.1 63.1
103 56.0 44.1 66.1





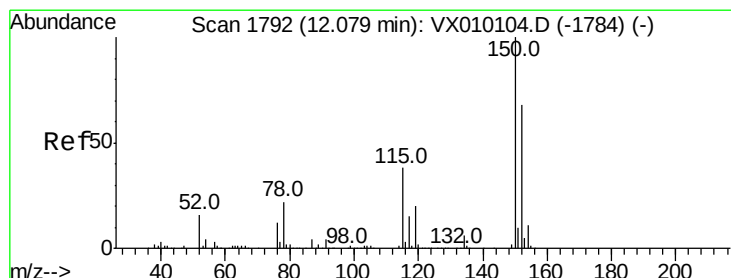
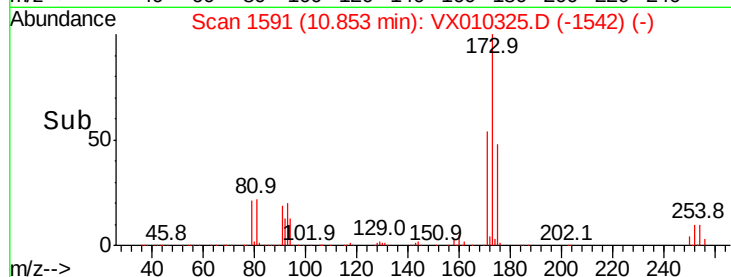
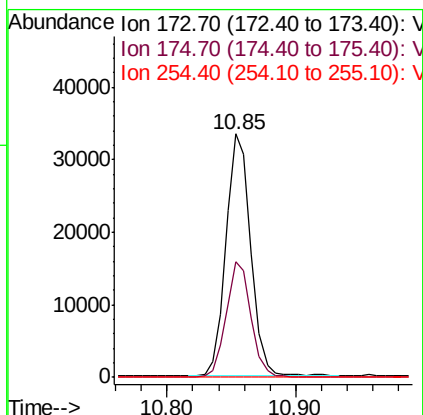
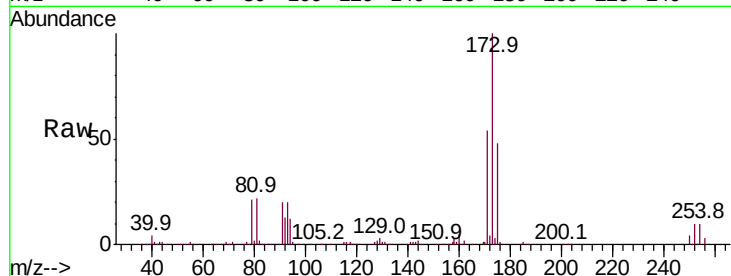
#71
Bromoform
Concen: 15.715 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX010325.D
Acq: 17 Jun 2019 15:35

Instrument :
MSVOA_X
ClientSampleId :
VX0617MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	25.0	75.0
254	0.0	0.2	0.2

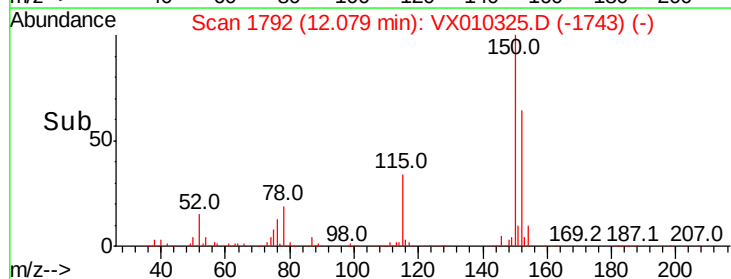
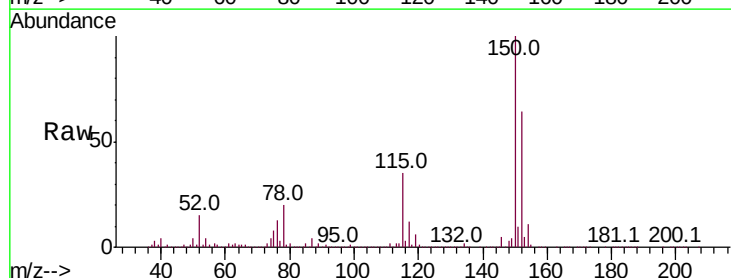
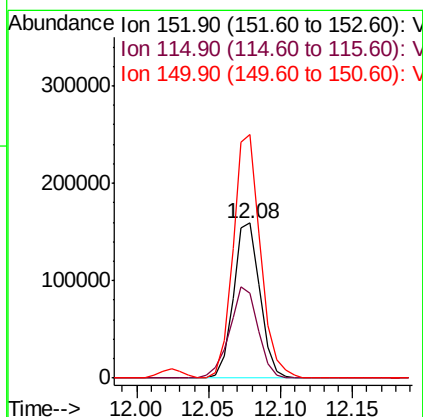
Manual Integrations
APPROVED

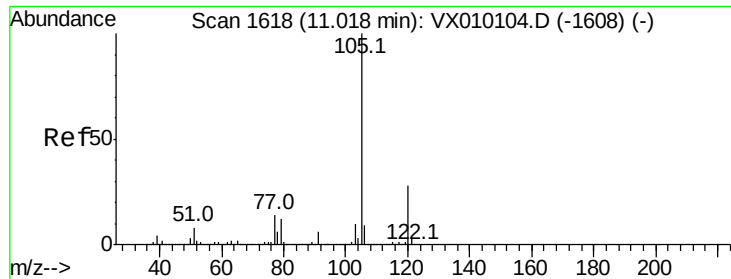
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010325.D
Acq: 17 Jun 2019 15:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.0	41.4	124.2
150	161.4	0.0	345.2





#73

Isopropylbenzene

Concen: 16.440 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

Instrument :

MSVOA_X

ClientSampleId :

VX0617MBS01

Tot Ion:105 Resp: 234836

Ion Ratio Lower Upper

105 100

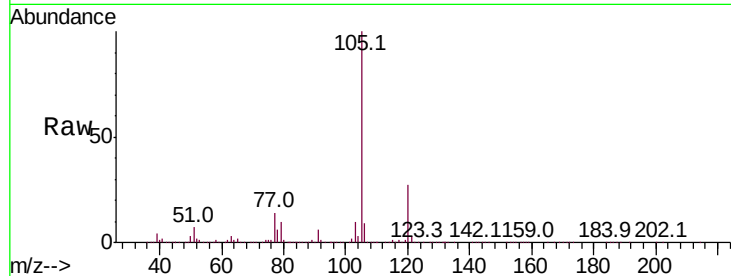
120 27.0 12.8 38.4

Manual Integrations

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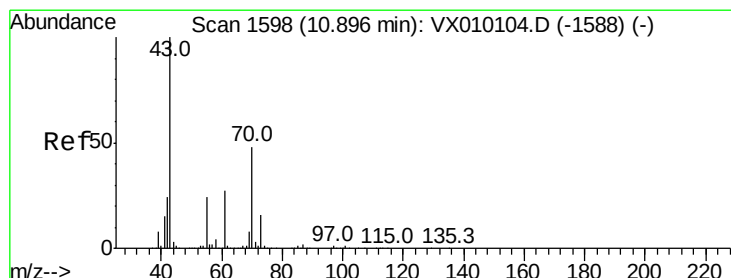
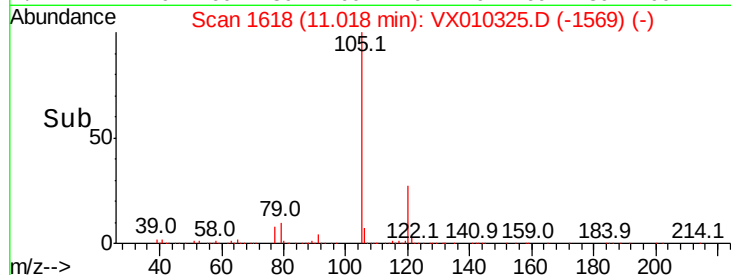
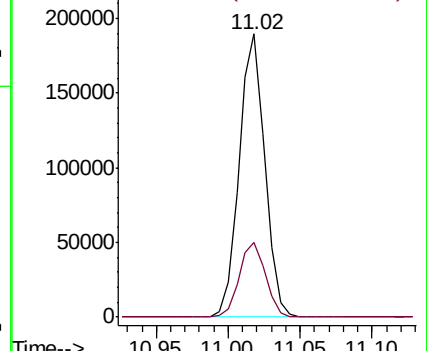
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 16.484 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

Tgt Ion: 43 Resp: 93080

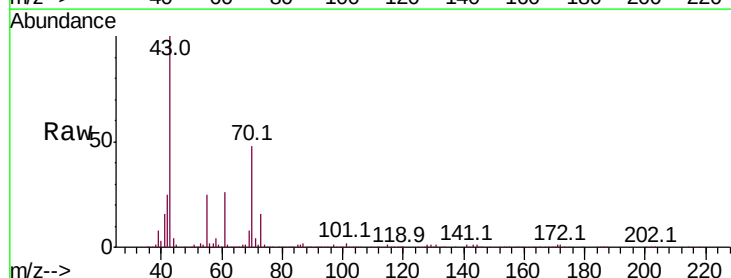
Ion Ratio Lower Upper

43 100

70 46.6 28.6 43.0#

55 24.3 17.8 26.8

61 26.2 17.7 26.5

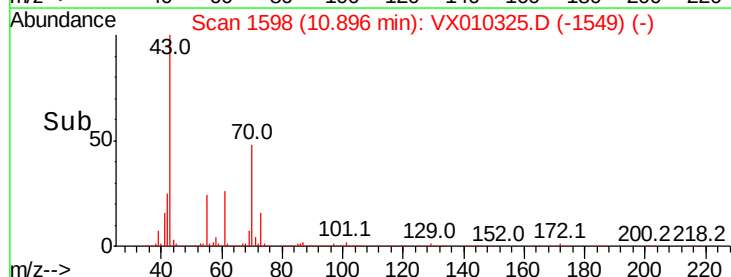
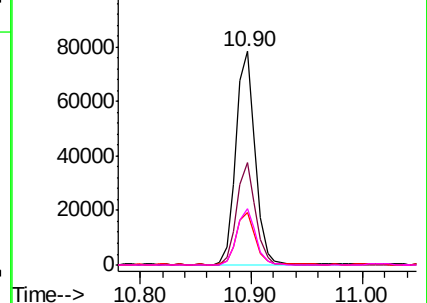


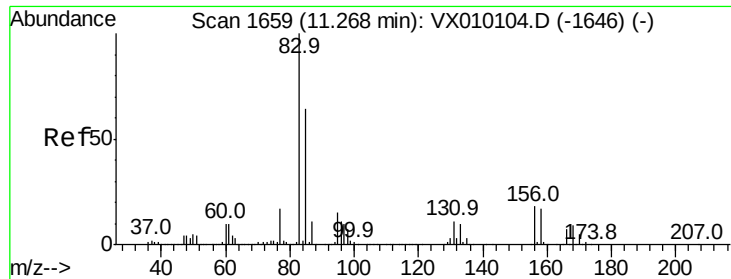
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 16.312 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

Instrument :

MSVOA_X

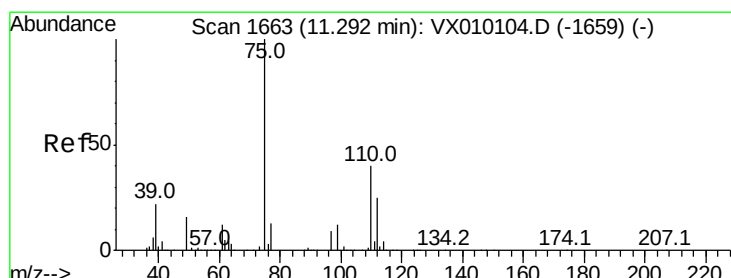
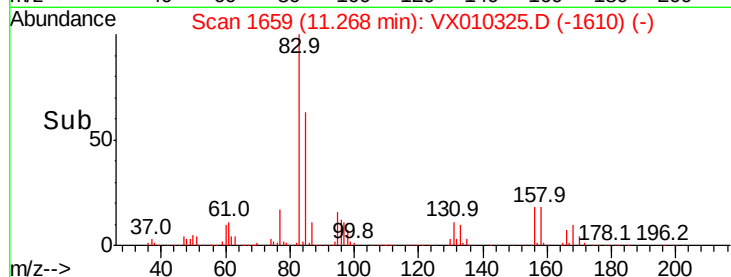
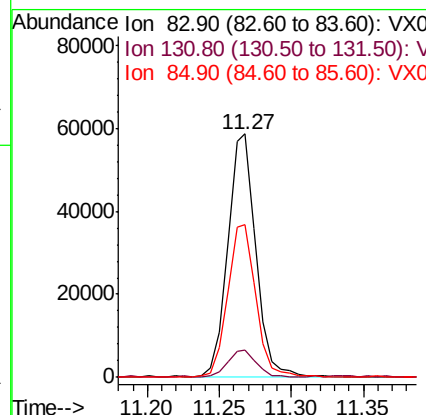
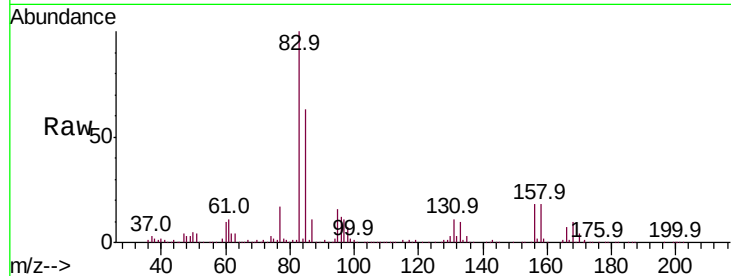
ClientSampleId :

VX0617MBS01

Tot Ion:	83	Resp:	79760
Ion Ratio	Lower	Upper	
83	100		
131	11.2	4.7	14.1
85	64.3	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 16.170 ug/l m

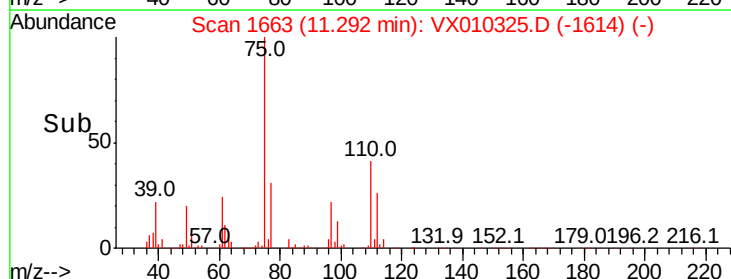
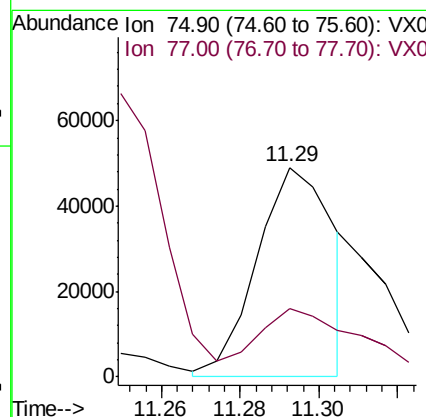
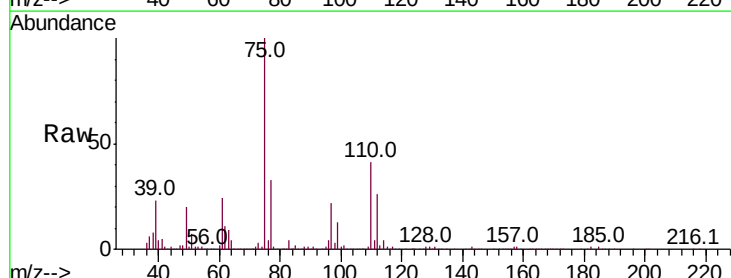
RT: 11.29 min Scan# 1663

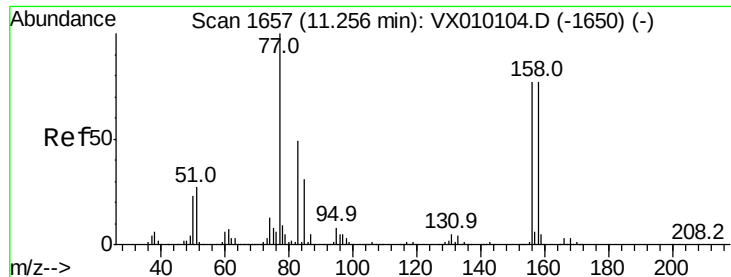
Delta R.T. 0.00 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

Tgt Ion:	75	Resp:	66185
Ion Ratio	Lower	Upper	
75	100		
77	43.5	22.1	66.1





#77

Bromobenzene

Concen: 16.512 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

Instrument :

MSVOA_X

ClientSampleId :

VX0617MBS01

Tot Ion:156 Resp: 64864

Ion Ratio Lower Upper

156 100

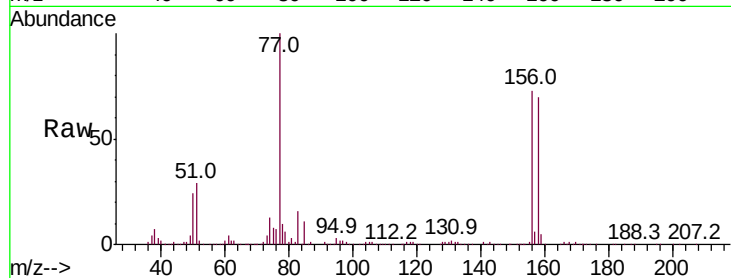
77 128.9 86.8 260.3

158 97.8 49.6 148.8

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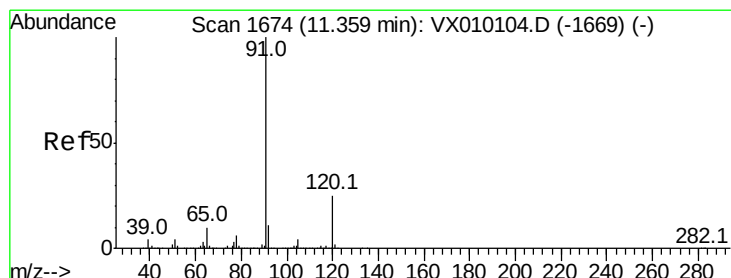
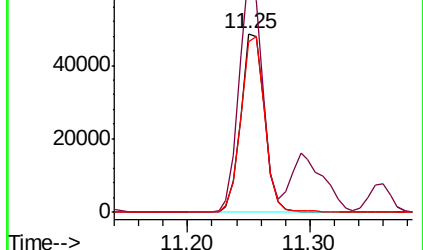
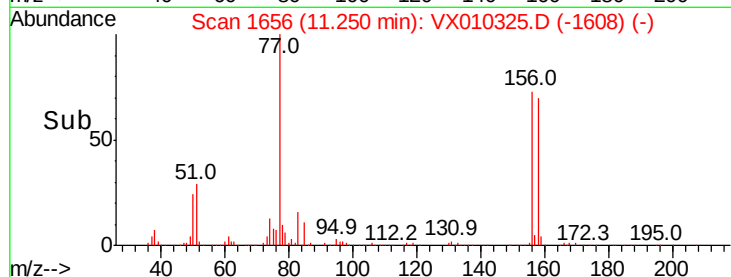
6/18/2019 11:26:46 AM



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: 16.129 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010325.D

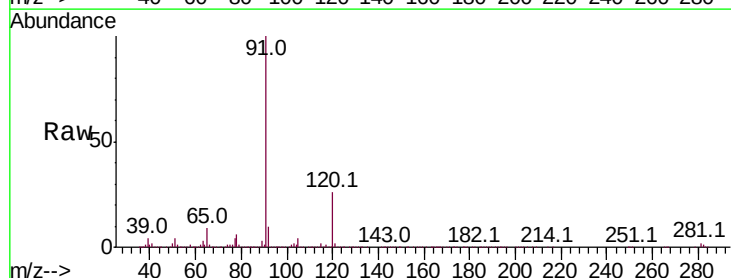
Acq: 17 Jun 2019 15:35

Tgt Ion: 91 Resp: 256503

Ion Ratio Lower Upper

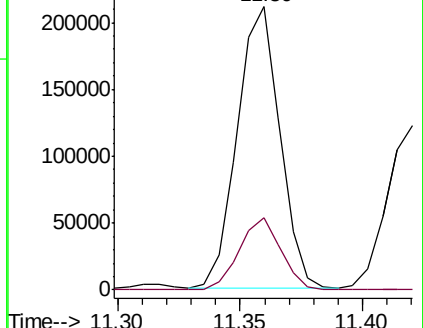
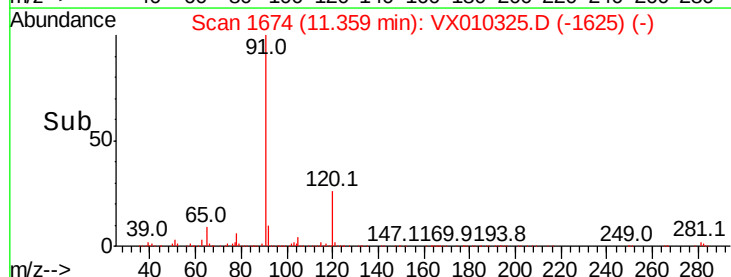
91 100

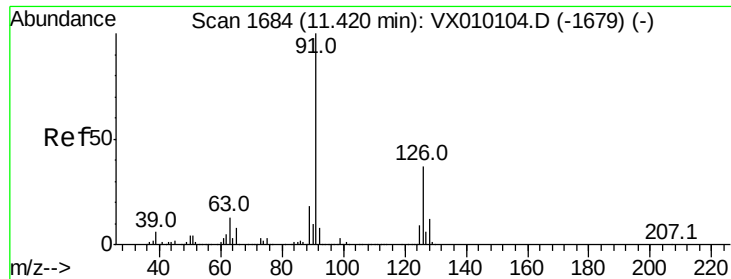
120 25.0 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 15.847 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

Instrument :

MSVOA_X

ClientSampleId :

VX0617MBS01

Tot Ion: 91 Resp: 151357

Ion Ratio Lower Upper

91 100

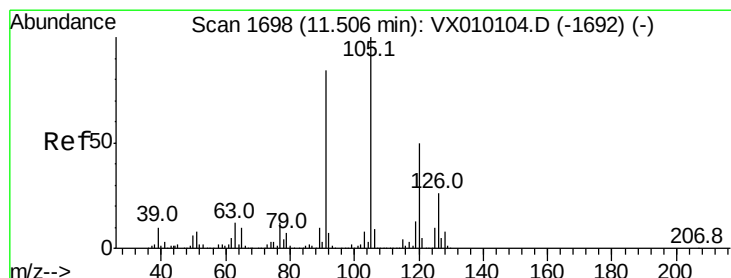
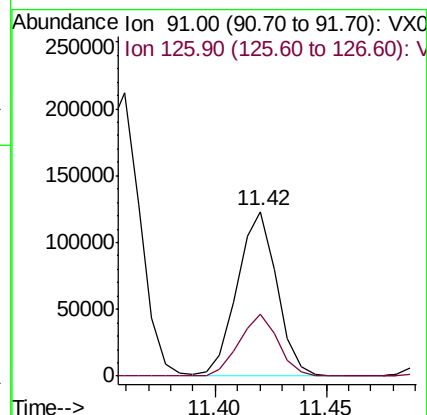
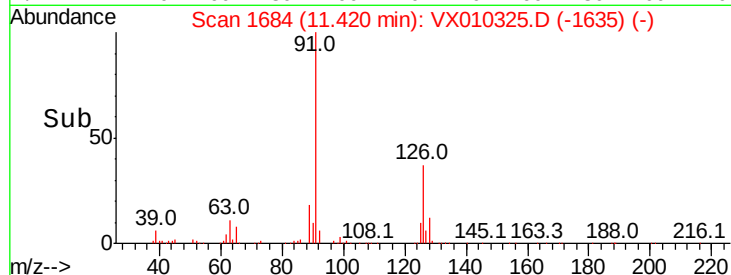
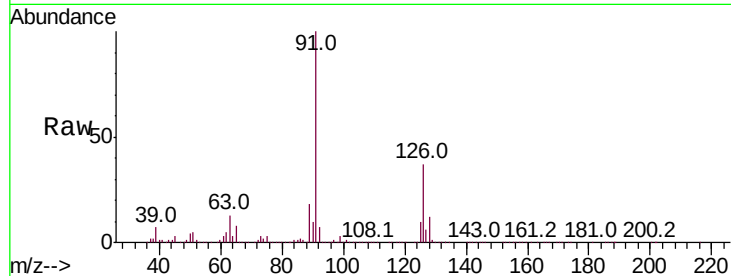
126 37.3 16.1 48.3

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#80

1,3,5-Trimethylbenzene

Concen: 16.205 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010325.D

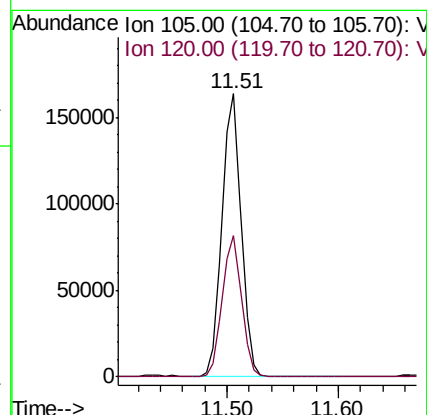
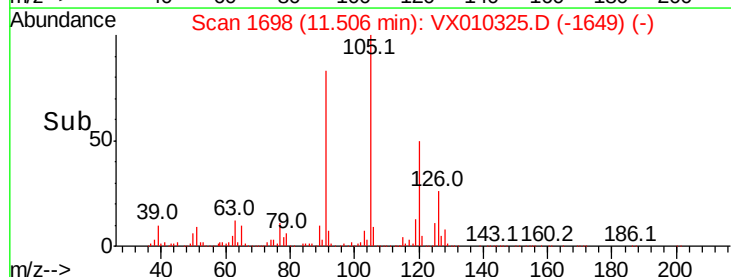
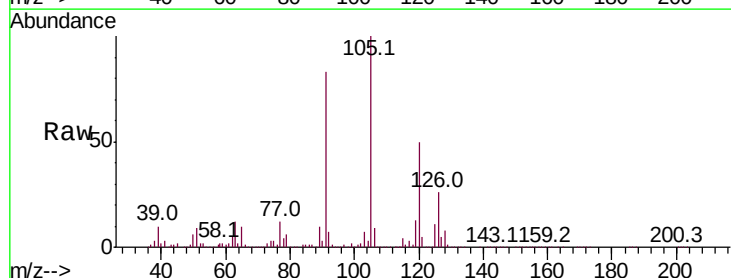
Acq: 17 Jun 2019 15:35

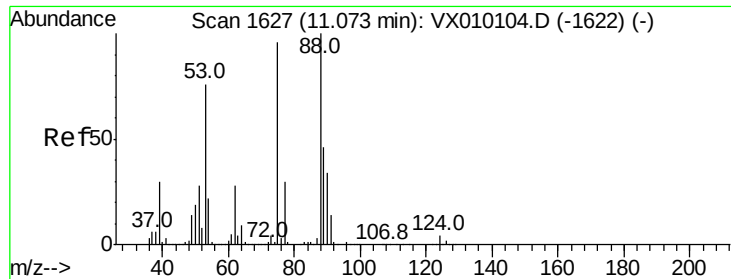
Tgt Ion: 105 Resp: 194971

Ion Ratio Lower Upper

105 100

120 50.3 24.1 72.3





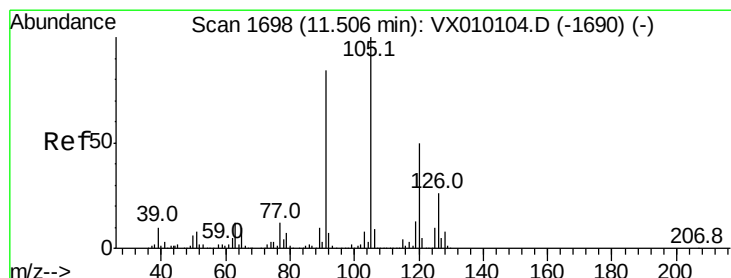
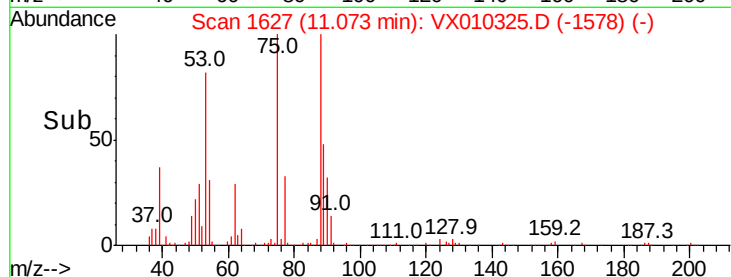
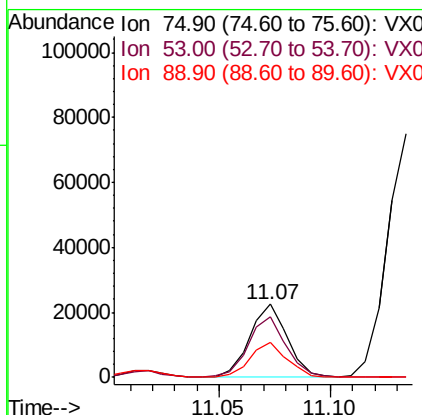
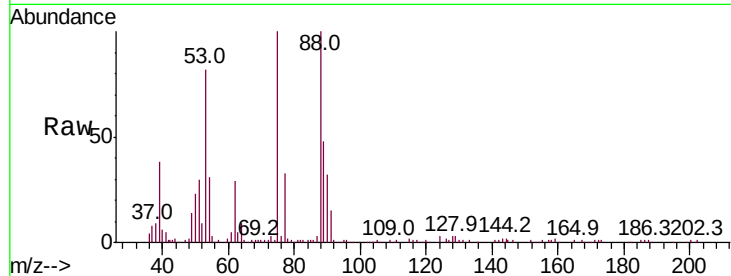
#81
trans-1,4-Dichloro-2-butene
Concen: 14.220 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX010325.D
Acq: 17 Jun 2019 15:35

Instrument :
MSVOA_X
ClientSampleId :
VX0617MBS01

Tot Ion: 75 Resp: 26343
Ion Ratio Lower Upper
75 100
53 83.9 79.8 119.6
89 48.4 34.2 51.4

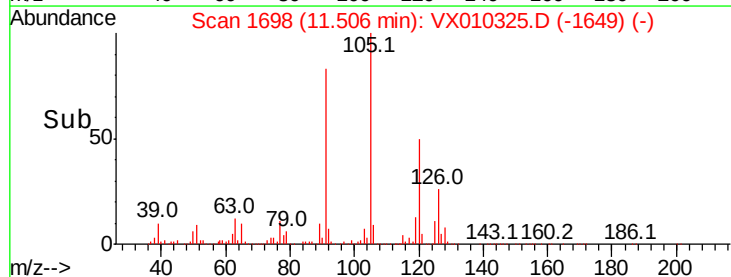
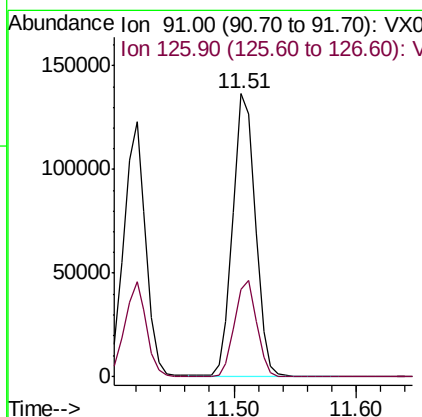
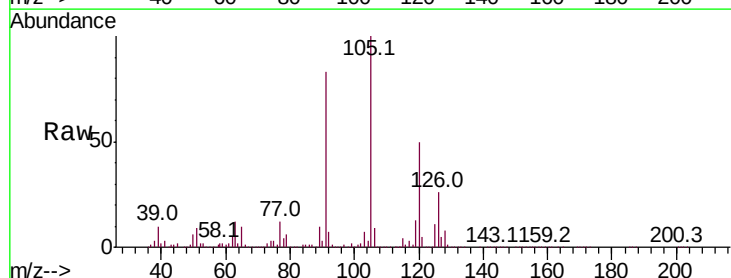
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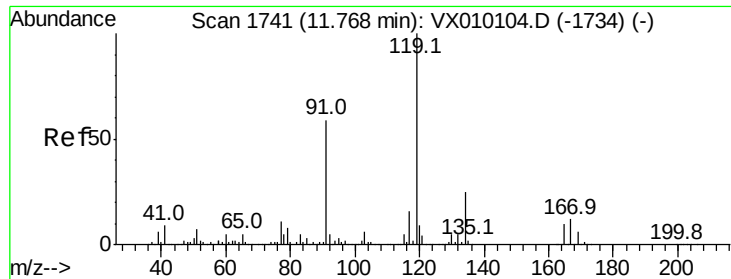
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#82
4-Chlorotoluene
Concen: 15.997 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX010325.D
Acq: 17 Jun 2019 15:35

Tgt Ion: 91 Resp: 173567
Ion Ratio Lower Upper
91 100
126 33.4 14.2 42.6





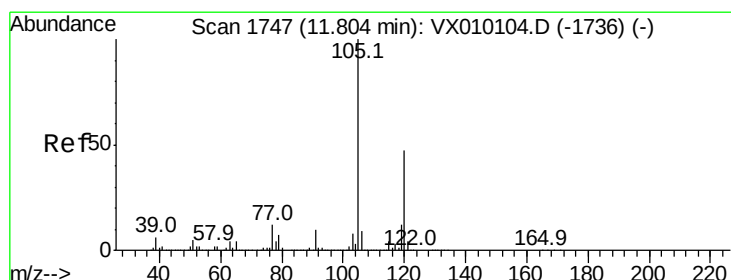
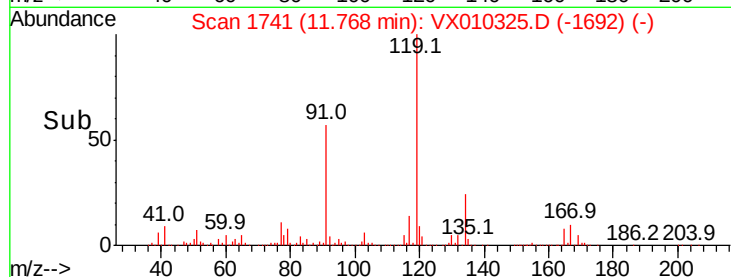
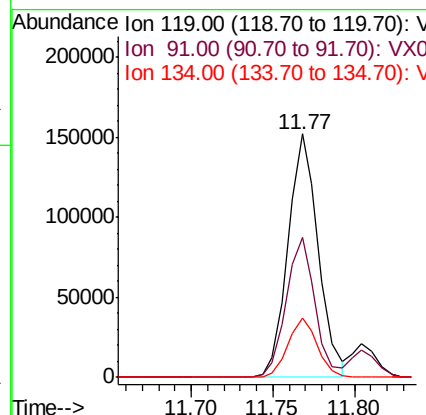
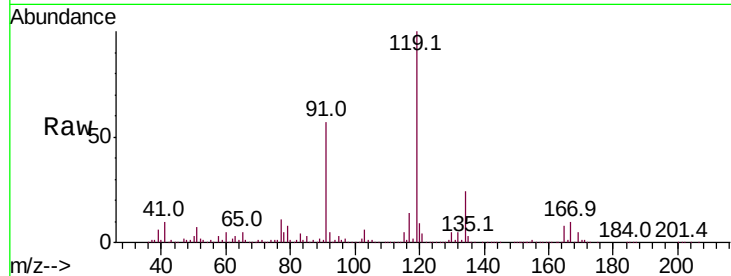
#83
tert-Butylbenzene
Concen: 16.113 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010325.D
Acq: 17 Jun 2019 15:35

Instrument :
MSVOA_X
ClientSampleId :
VX0617MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	196217		
91	55.0	30.0	90.0	
134	23.8	11.2	33.5	

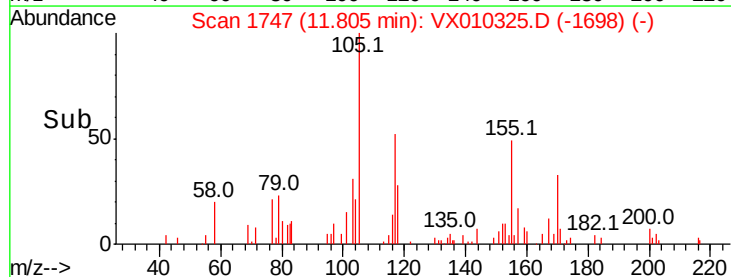
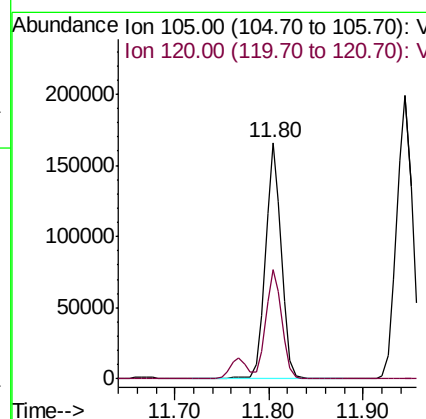
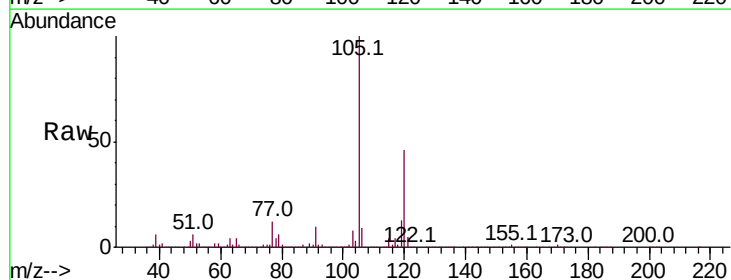
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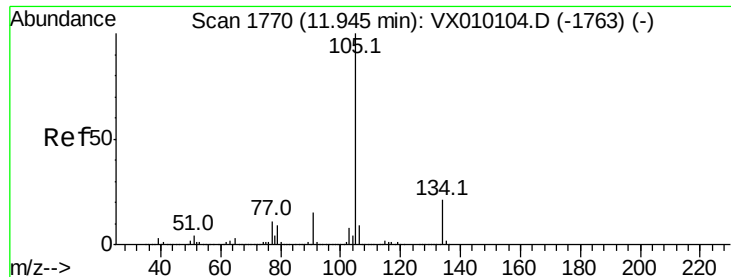
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#84
1,2,4-Trimethylbenzene
Concen: 16.182 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX010325.D
Acq: 17 Jun 2019 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	196658		
120	46.8	22.1	66.1	





#85

sec-Butylbenzene

Concen: 16.500 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

Instrument :

MSVOA_X

ClientSampleId :

VX0617MBS01

Tot Ion:105 Resp: 234089

Ion Ratio Lower Upper

105 100

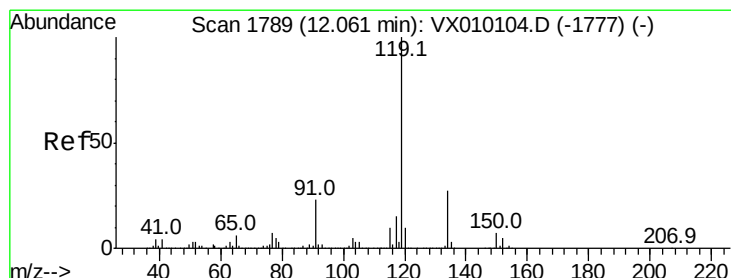
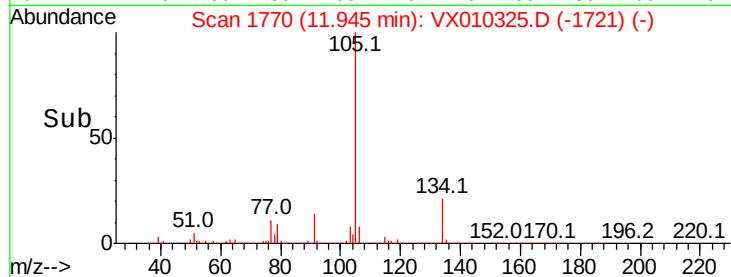
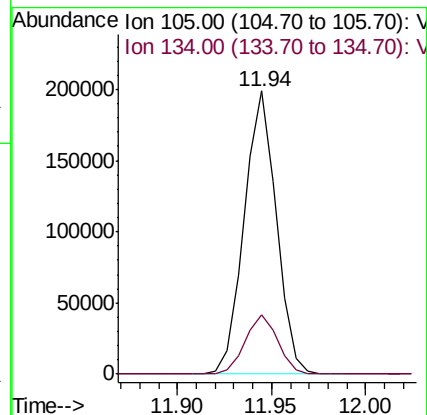
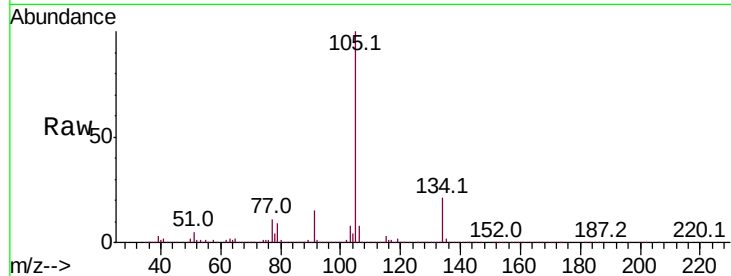
134 21.4 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 16.498 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

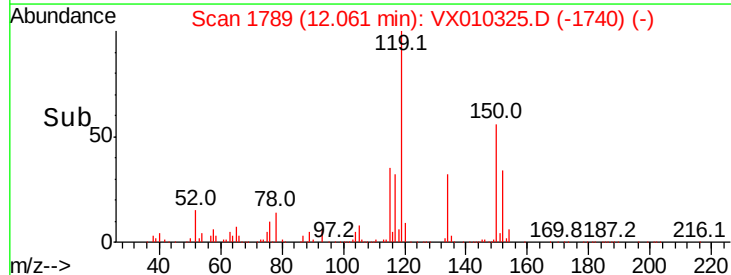
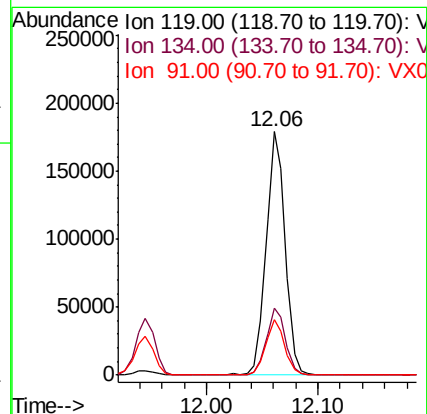
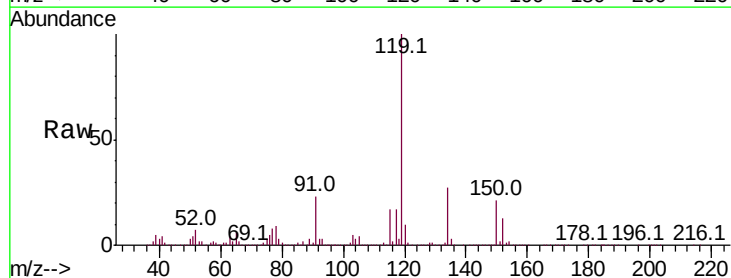
Tgt Ion:119 Resp: 213975

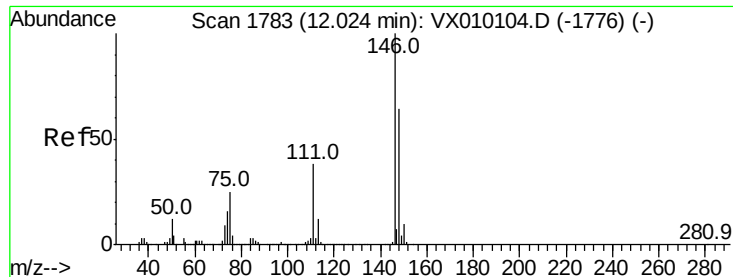
Ion Ratio Lower Upper

119 100

134 27.7 12.9 38.6

91 22.2 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 16.482 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX010325.D

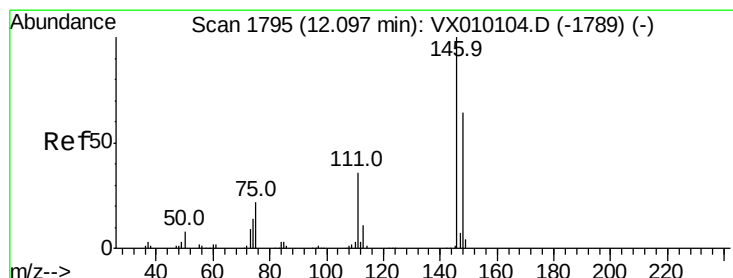
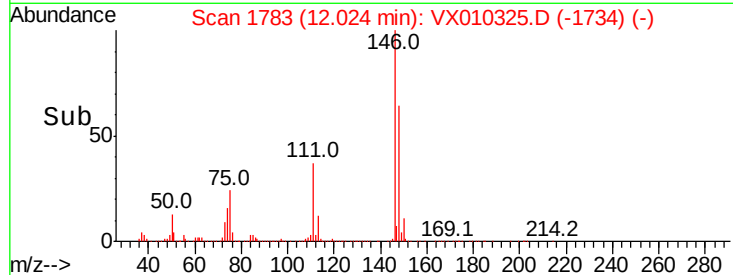
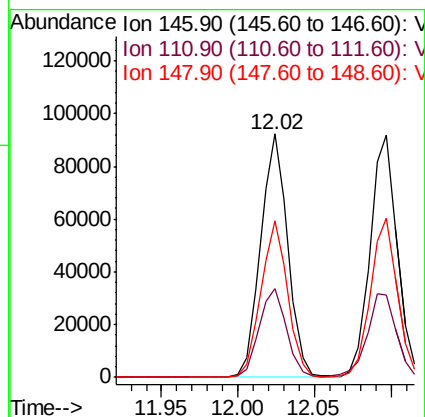
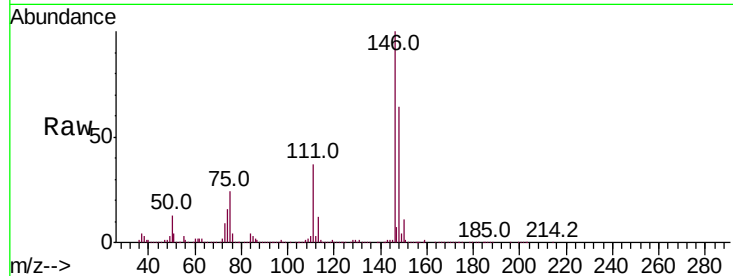
Acq: 17 Jun 2019 15:35

Instrument :
MSVOA_X
ClientSampleId :
VX0617MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	114042		
111	36.8	20.1	60.2	
148	63.4	31.9	95.5	

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#88

1,4-Dichlorobenzene

Concen: 16.216 ug/l

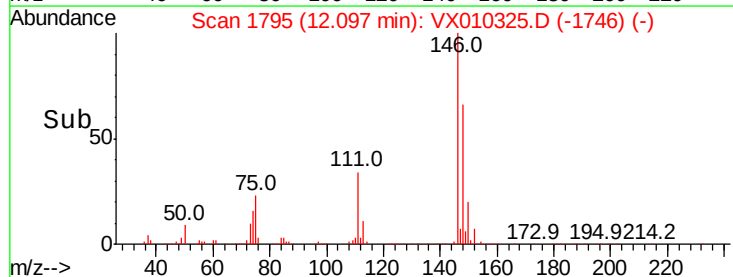
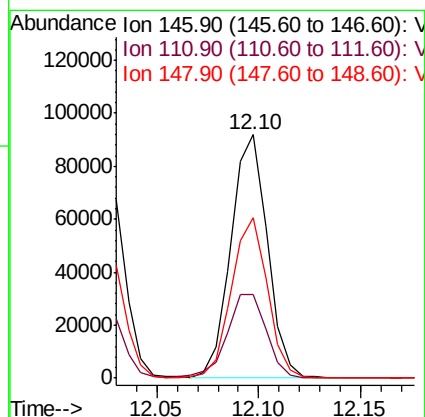
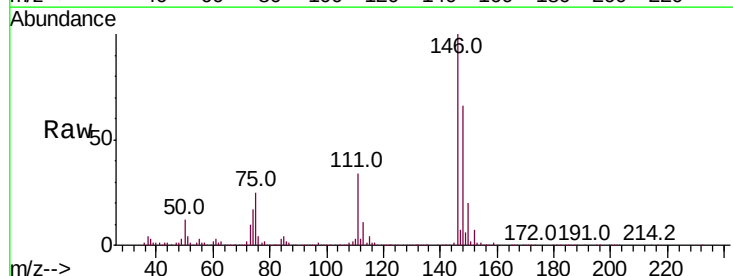
RT: 12.10 min Scan# 1795

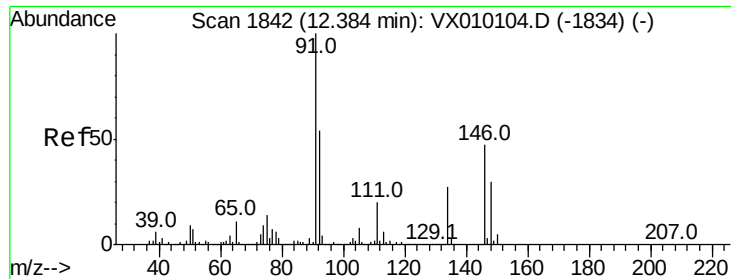
Delta R.T. 0.00 min

Lab File: VX010325.D

Acq: 17 Jun 2019 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	113106		
111	37.5	20.0	59.9	
148	65.8	32.3	96.9	





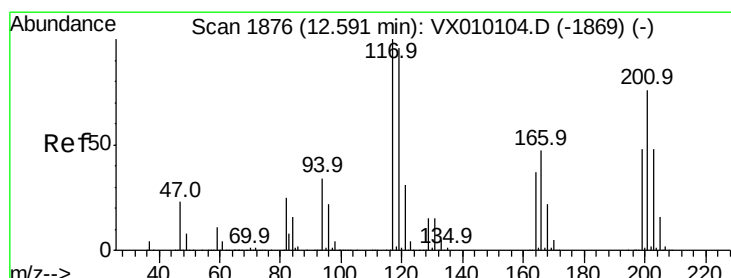
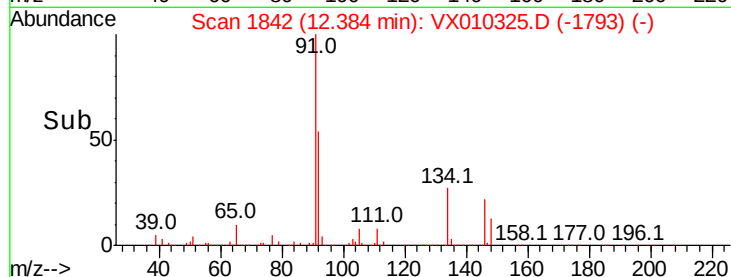
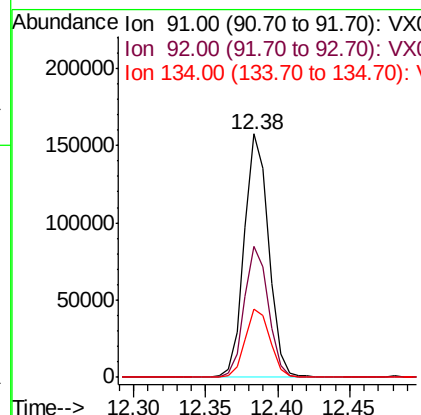
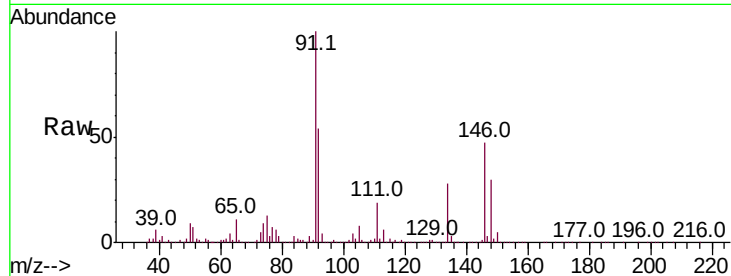
#89
n-Butylbenzene
Concen: 16.509 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010325.D
Acq: 17 Jun 2019 15:35

Instrument :
MSVOA_X
ClientSampleId :
VX0617MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.3	78.8
134	28.4	12.3	36.8

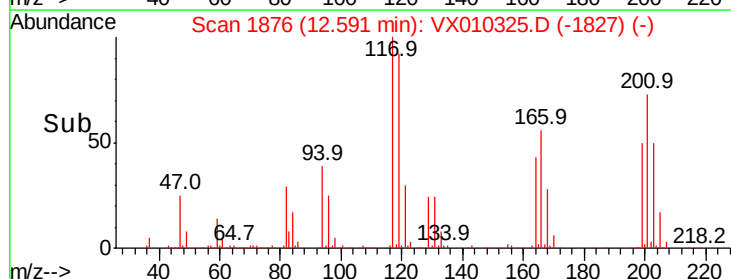
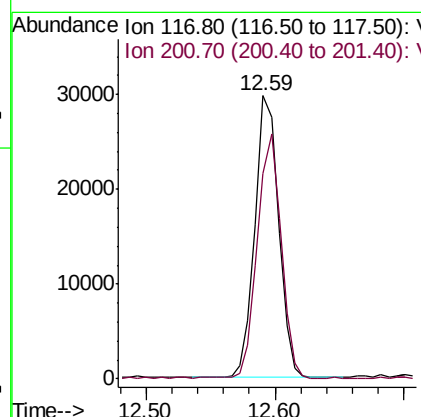
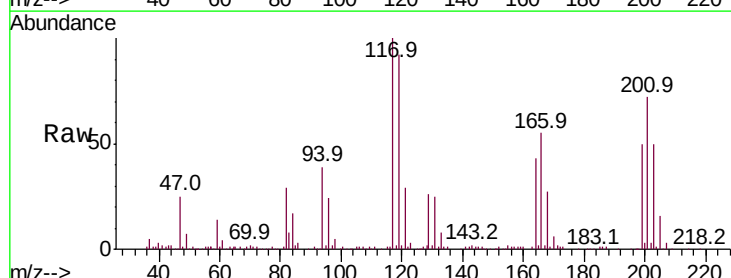
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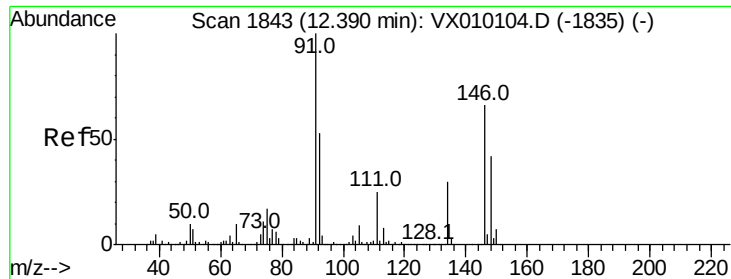
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#90
Hexachloroethane
Concen: 14.551 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX010325.D
Acq: 17 Jun 2019 15:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.1	43.6	130.9





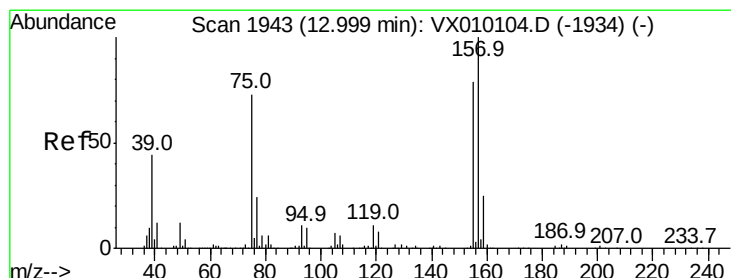
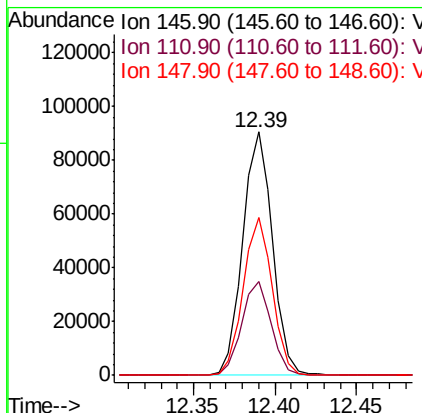
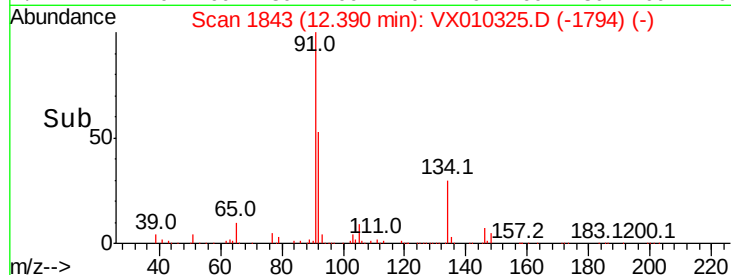
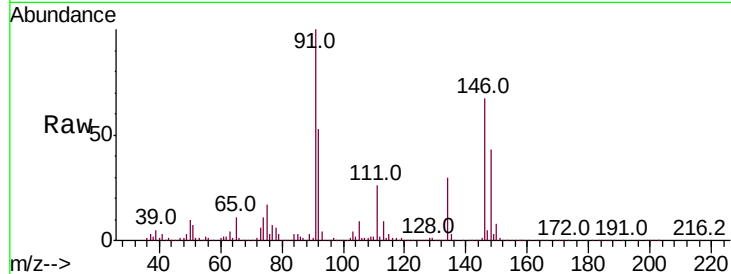
#91
1,2-Dichlorobenzene
Concen: 17.051 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX010325.D
Acq: 17 Jun 2019 15:35

Instrument :
MSVOA_X
ClientSampleId :
VX0617MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	21.1	63.1
148	63.9	32.3	96.8

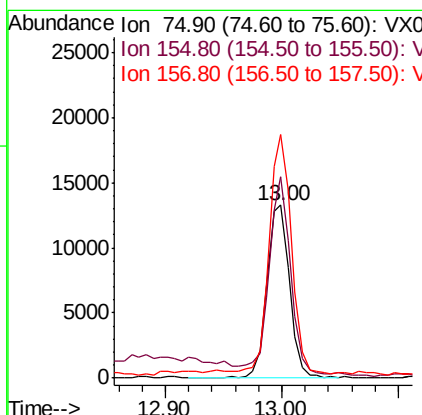
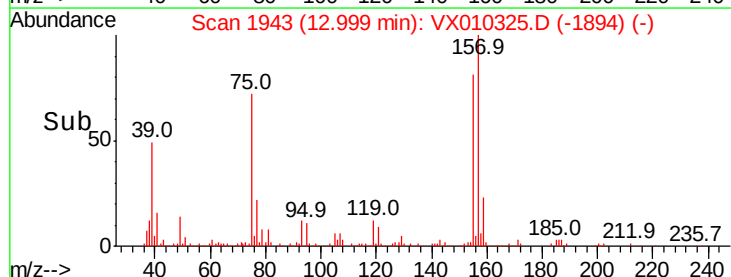
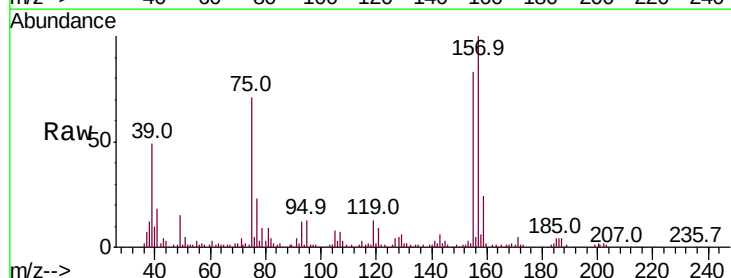
Manual Integrations
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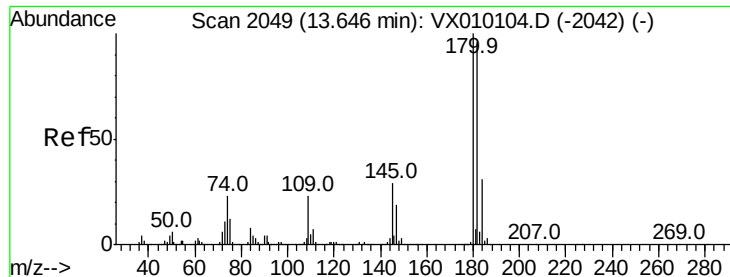
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#92
1,2-Dibromo-3-Chloropropane
Concen: 15.717 ug/l
RT: 13.00 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VX010325.D
Acq: 17 Jun 2019 15:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	107.3	39.3	117.8
157	133.6	50.6	151.8





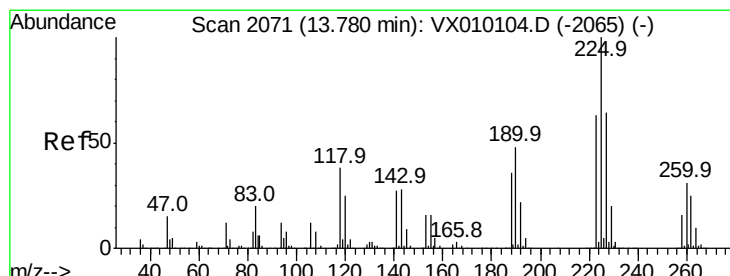
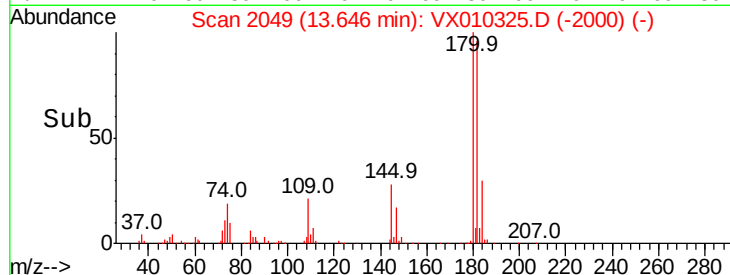
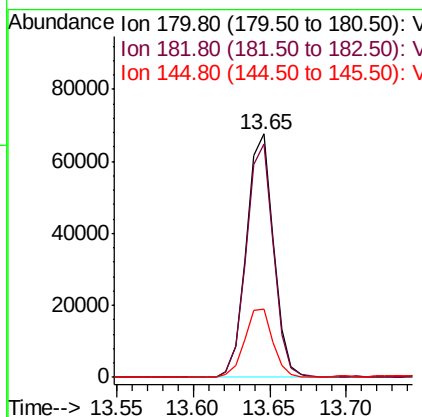
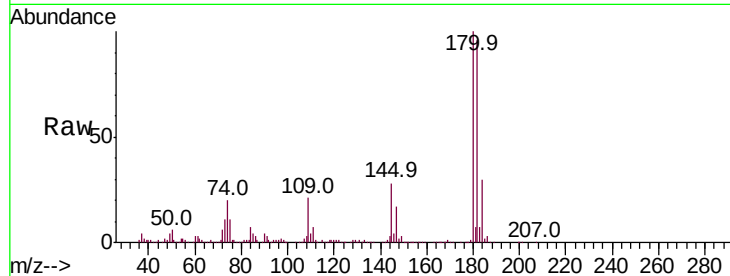
#93
 1,2,4-Trichlorobenzene
 Concen: 16.901 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010325.D
 Acq: 17 Jun 2019 15:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0617MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.4	142.2
145	29.1	14.5	43.5

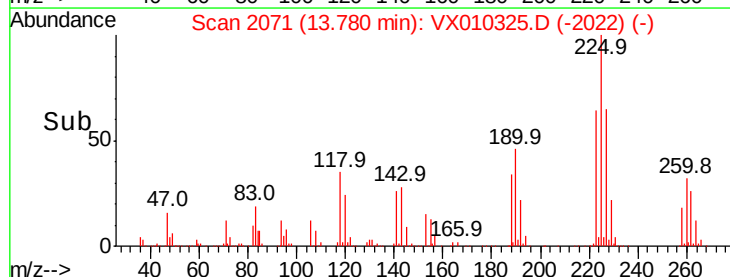
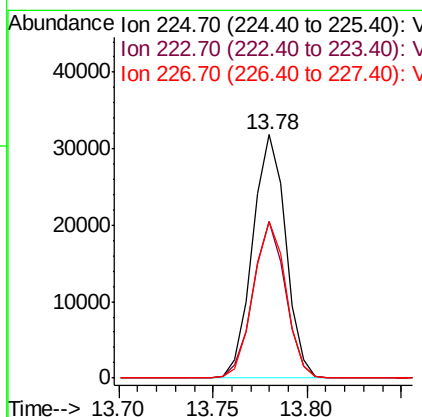
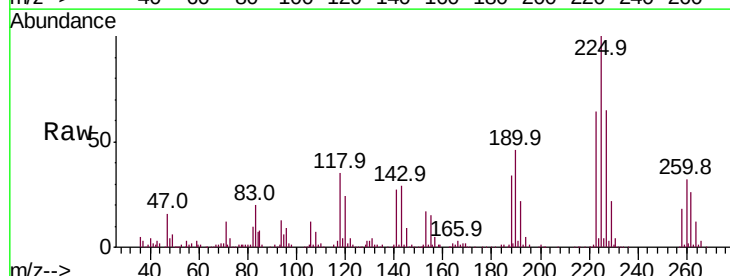
Manual Integrations
 APPROVED

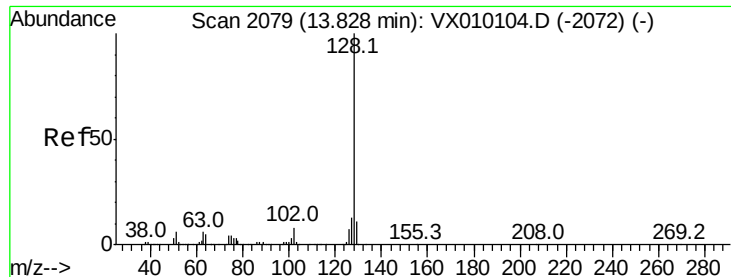
MMDadoda
 6/18/2019 11:26:46 AM



#94
 Hexachlorobutadiene
 Concen: 17.764 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010325.D
 Acq: 17 Jun 2019 15:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.3	93.8
227	63.5	32.3	96.8





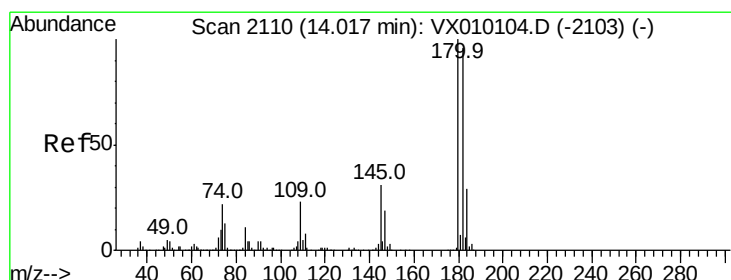
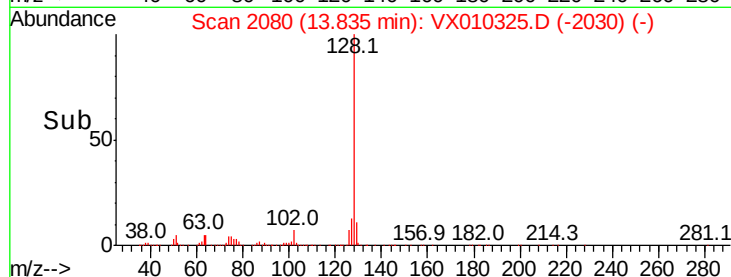
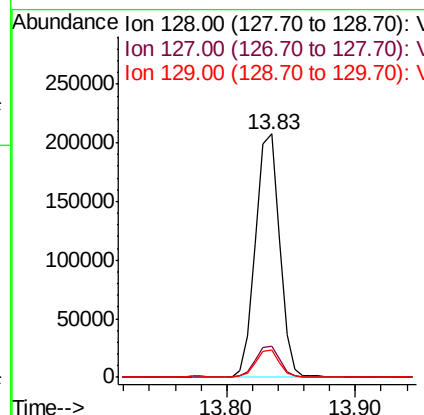
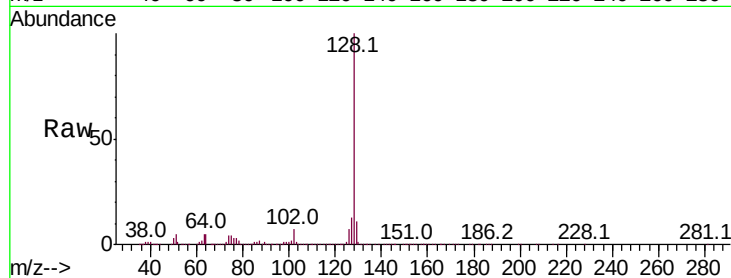
#95
Naphthalene
Concen: 17.121 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.01 min
Lab File: VX010325.D
Acq: 17 Jun 2019 15:35

Instrument :
MSVOA_X
ClientSampleId :
VX0617MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	16.0
129	11.1	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/18/2019 11:26:46 AM



#96
1,2,3-Trichlorobenzene
Concen: 17.424 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX010325.D
Acq: 17 Jun 2019 15:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.3	142.0
145	31.1	15.6	46.7

