

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100418\
 Data File : VX005045.D
 Acq On : 05 Oct 2018 04:04
 Operator : JC/MD
 Sample : VX1004WBS04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 83 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBS04

Manual Integrations
 APPROVED

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 10/5/2018 3:24:54 PM

Quant Time: Oct 05 05:33:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	208500	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	318172	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	302748	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	179005	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	160031	53.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.46%	
35) Dibromofluoromethane	5.49	113	131642	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
50) Toluene-d8	8.71	98	481377	53.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.40%	
62) 4-Bromofluorobenzene	11.14	95	174166	53.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	59262	20.846	ug/l	98
3) Chloromethane	1.32	50	67097	19.454	ug/l	100
4) Vinyl Chloride	1.40	62	68790	21.265	ug/l	98
5) Bromomethane	1.64	94	40315	21.017	ug/l	96
6) Chloroethane	1.71	64	40634	21.733	ug/l	100
7) Trichlorofluoromethane	1.92	101	85878	21.444	ug/l	96
8) Diethyl Ether	2.19	74	35924	20.649	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	50921	22.322	ug/l	95
10) Methyl Iodide	2.51	142	43679	14.309	ug/l	91
11) Tert butyl alcohol	3.08	59	92835	111.474	ug/l	99
12) 1,1-Dichloroethene	2.37	96	46302	20.495	ug/l	97
13) Acrolein	2.29	56	16611	28.034	ug/l	85
14) Allyl chloride	2.72	41	103714	21.040	ug/l	96
15) Acrylonitrile	3.15	53	208771	113.877	ug/l	97
16) Acetone	2.45	43	182953	105.214	ug/l	93
17) Carbon Disulfide	2.57	76	124307	18.311	ug/l	100
18) Methyl Acetate	2.78	43	113525	25.768	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	183439	23.540	ug/l	92
20) Methylene Chloride	2.85	84	55949	21.654	ug/l	89
21) trans-1,2-Dichloroethene	3.16	96	50877	20.572	ug/l #	83
22) Diisopropyl ether	3.87	45	194755	23.463	ug/l #	91
23) Vinyl Acetate	3.82	43	831456	109.431	ug/l	97
24) 1,1-Dichloroethane	3.70	63	105152	21.237	ug/l	99
25) 2-Butanone	4.70	43	269369	105.094	ug/l	95
26) 2,2-Dichloropropane	4.58	77	45056	13.068	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	57847	20.938	ug/l	95
28) Bromochloromethane	5.03	49	50661	21.727	ug/l	97
29) Tetrahydrofuran	5.16	42	177716	111.555	ug/l	99
30) Chloroform	5.21	83	96704	20.665	ug/l	99
31) Cyclohexane	5.57	56	80678	21.289	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	80988	21.192	ug/l	96
36) 1,1-Dichloropropene	5.79	75	70517	19.167	ug/l	92
37) Ethyl Acetate	4.85	43	96776	19.816	ug/l	98
38) Carbon Tetrachloride	5.78	117	68910	17.818	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	69975	18.626	ug/l	# 84
40) Benzene	6.14	78	227484	19.750	ug/l	92
41) Methacrylonitrile	5.06	41	53539	19.768	ug/l	97
42) 1,2-Dichloroethane	6.20	62	78187	19.202	ug/l	97
43) Isopropyl Acetate	6.46	43	134275	19.049	ug/l	96
44) Trichloroethene	7.21	130	56079	19.805	ug/l	99
45) 1,2-Dichloropropane	7.52	63	57811	20.467	ug/l	96
46) Dibromomethane	7.66	93	36890	20.781	ug/l	99
47) Bromodichloromethane	7.90	83	68721	20.677	ug/l	99
48) Methyl methacrylate	7.78	41	70861	22.149	ug/l	100
49) 1,4-Dioxane	7.76	88	33330	419.329	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	497212	112.029	ug/l	99
52) Toluene	8.79	92	131929	20.845	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	70072	18.657	ug/l	92
54) cis-1,3-Dichloropropene	8.44	75	77750	19.764	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	56043	20.215	ug/l	94
56) Ethyl methacrylate	9.18	69	81821	20.009	ug/l	98
57) 1,3-Dichloropropane	9.37	76	92690	20.089	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	243601	110.411	ug/l	100
59) 2-Hexanone	9.50	43	388501	105.044	ug/l	94
60) Dibromochloromethane	9.59	129	54488	19.653	ug/l	99
61) 1,2-Dibromoethane	9.68	107	57775	19.459	ug/l	96
64) Tetrachloroethene	9.34	164	59009	19.804	ug/l	95
65) Chlorobenzene	10.14	112	146318	18.847	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	52229	19.137	ug/l	100
67) Ethyl Benzene	10.26	91	237142	19.240	ug/l	97
68) m/p-Xylenes	10.36	106	185894	38.596	ug/l	93
69) o-Xylene	10.70	106	88633	20.036	ug/l	99
70) Styrene	10.71	104	150578	19.561	ug/l	100
71) Bromoform	10.86	173	43976	18.821	ug/l	99
73) Isopropylbenzene	11.02	105	240331	21.300	ug/l	100
74) N-amyl acetate	10.90	43	113252	19.371	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	90041	19.604	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	81522m	20.319	ug/l	
77) Bromobenzene	11.26	156	66975	20.437	ug/l	99
78) n-propylbenzene	11.36	91	271972	21.008	ug/l	99
79) 2-Chlorotoluene	11.42	91	170200	21.092	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	204261	19.632	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	19875	14.961	ug/l	95
82) 4-Chlorotoluene	11.51	91	197663	20.811	ug/l	99
83) tert-Butylbenzene	11.77	119	195828	21.080	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	212174	19.776	ug/l	99
85) sec-Butylbenzene	11.94	105	237050	20.950	ug/l	100
86) p-Isopropyltoluene	12.07	119	209855	20.471	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	120588	19.706	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	122513	19.394	ug/l	97
89) n-Butylbenzene	12.39	91	176996	19.011	ug/l	99
90) Hexachloroethane	12.60	117	32605	19.102	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	122926	19.222	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	20334	20.163	ug/l	97

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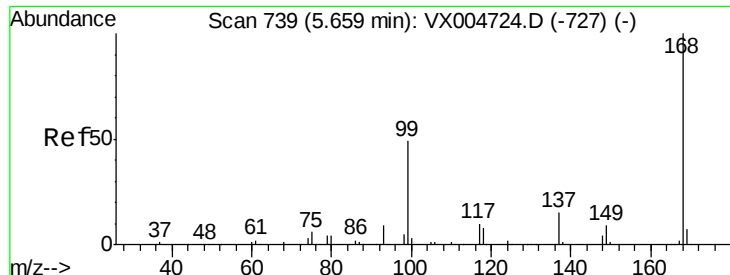
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	85748	19.114	ug/l	99
94) Hexachlorobutadiene	13.79	225	40958	17.607	ug/l	99
95) Naphthalene	13.83	128	279842	19.243	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	91646	19.776	ug/l	99

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



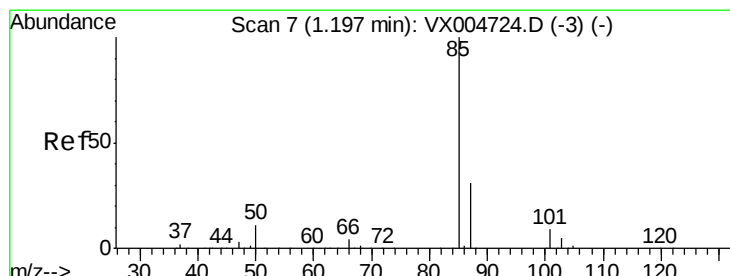
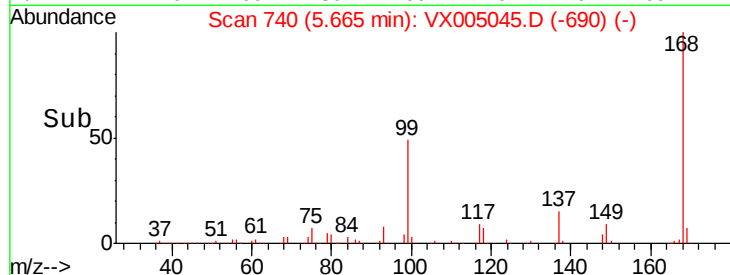
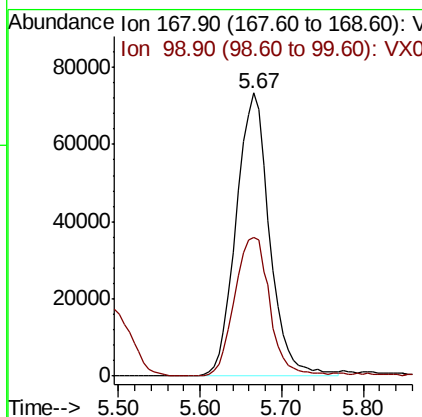
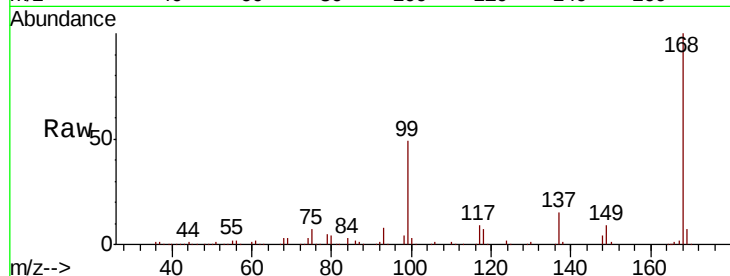
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Instrument :
MSVOA_X
ClientSampled :
VX1004WBS04

Tot Ion	Ratio	Resp	Lower	Upper
168	100	208500		
99	49.1	39.3	58.9	

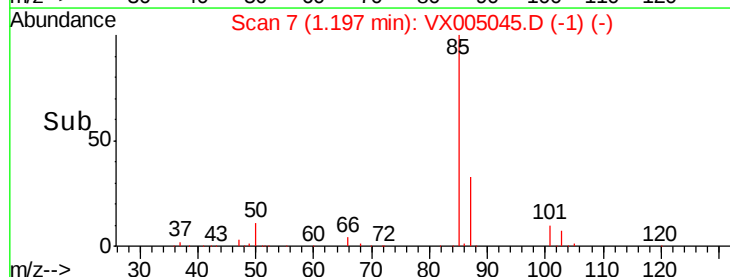
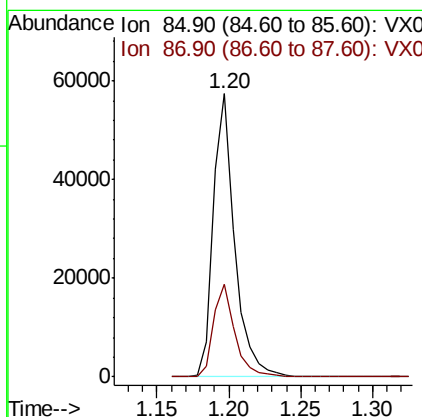
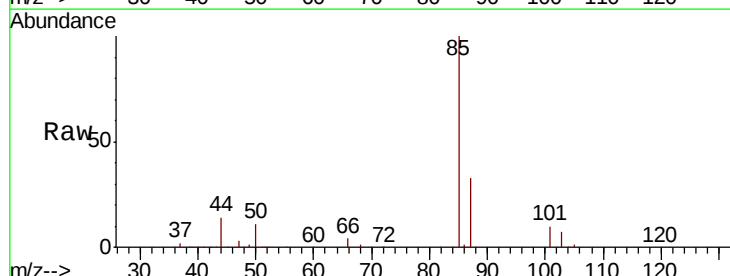
Manual Integrations
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#2
Dichlorodifluoromethane
Concen: 20.846 ug/l
RT: 1.20 min Scan# 7
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	59262		
87	32.7	15.7	47.1	





#3

Chloromethane

Concen: 19.454 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBS04

Tot Ion: 50 Resp: 67097

Ion Ratio Lower Upper

50 100

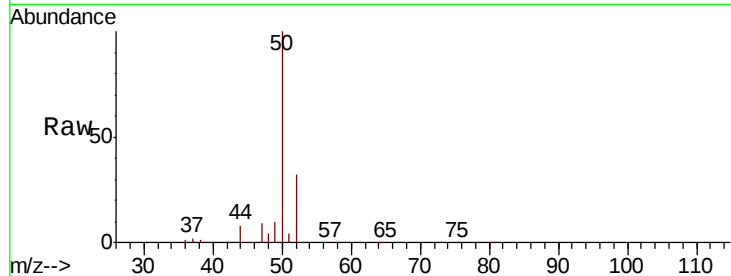
52 32.2 25.8 38.6

Manual Integrations

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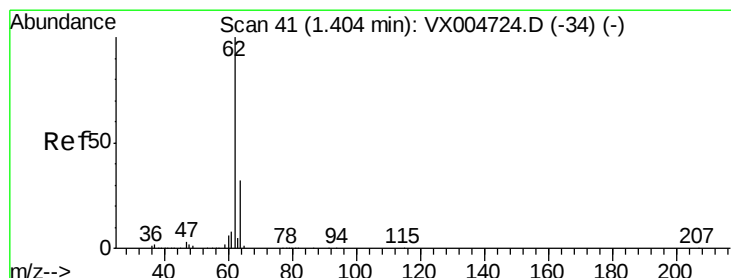
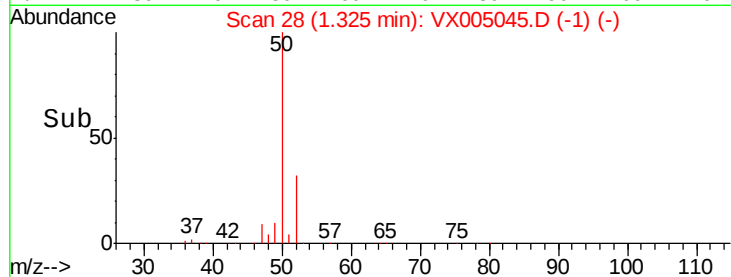
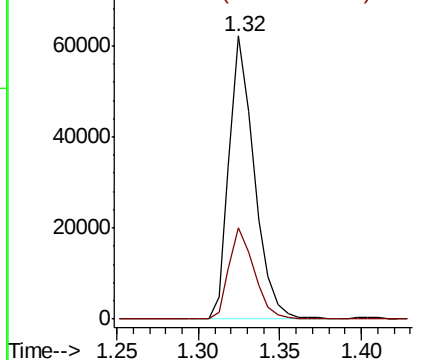
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 21.265 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005045.D

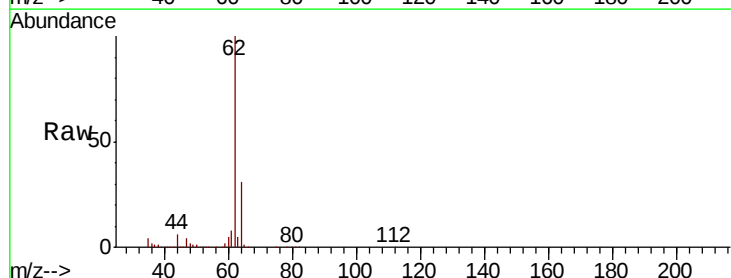
Acq: 05 Oct 2018 04:04

Tgt Ion: 62 Resp: 68790

Ion Ratio Lower Upper

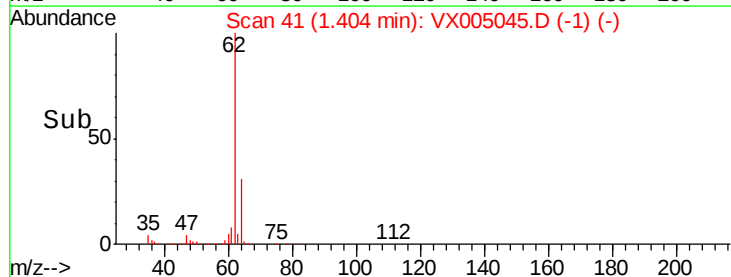
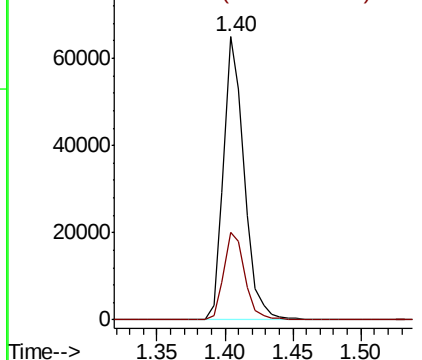
62 100

64 30.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 21.017 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBS04

Tot Ion: 94 Resp: 40315

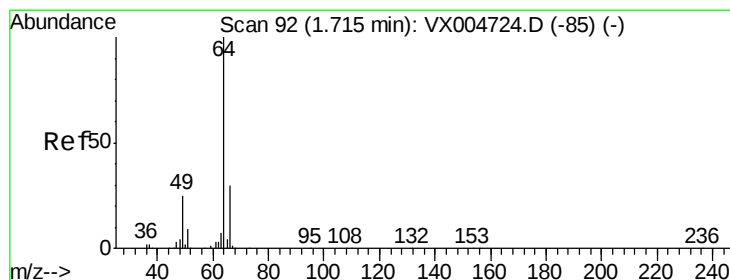
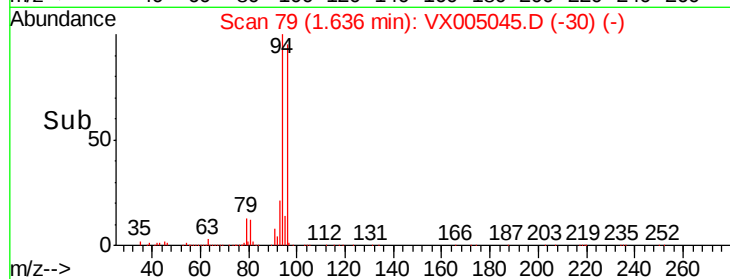
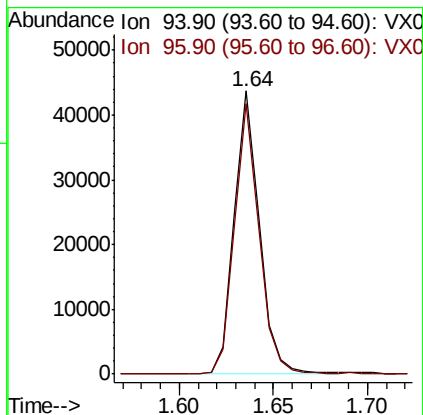
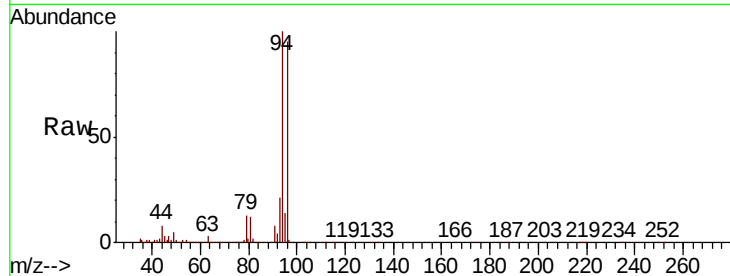
Ion Ratio Lower Upper

94 100

96 95.4 79.5 119.3

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#6

Chloroethane

Concen: 21.733 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX005045.D

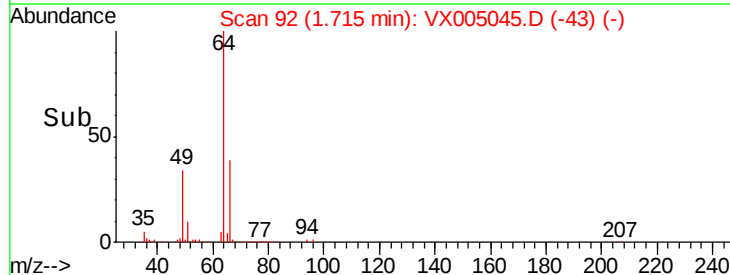
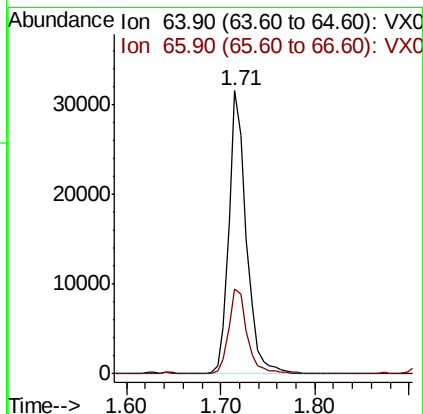
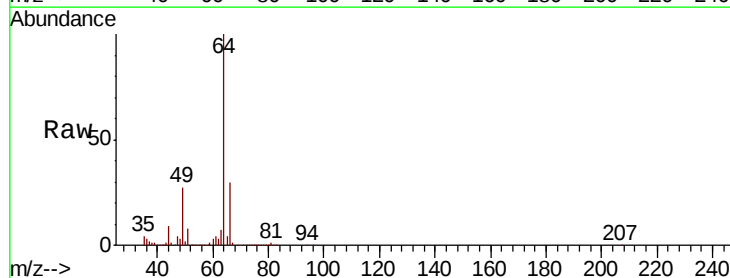
Acq: 05 Oct 2018 04:04

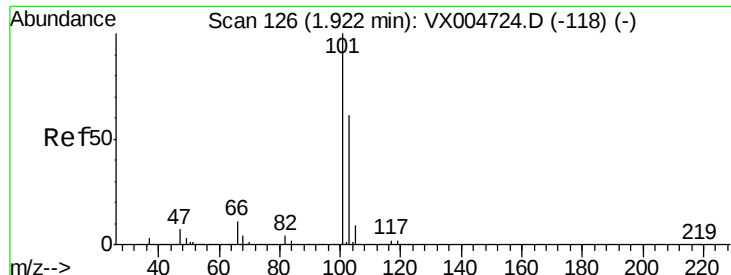
Tgt Ion: 64 Resp: 40634

Ion Ratio Lower Upper

64 100

66 29.8 23.8 35.6





#7

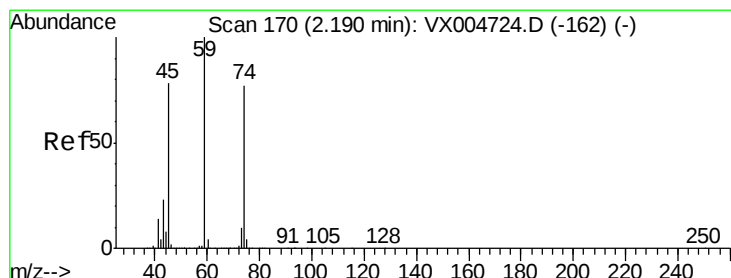
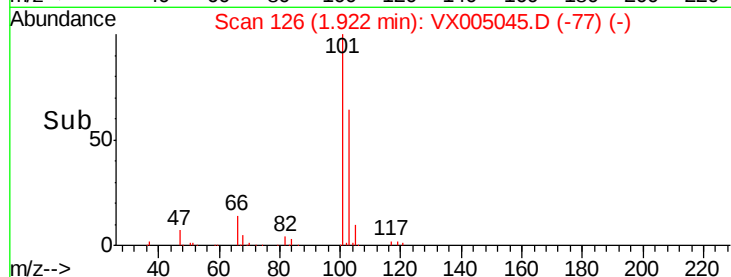
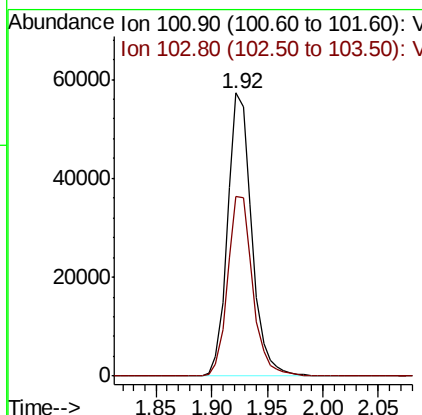
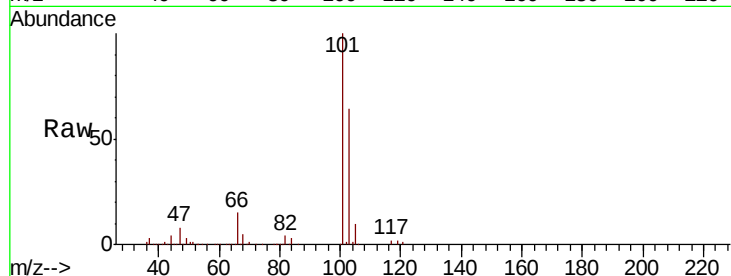
Trichlorofluoromethane
Concen: 21.444 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS04

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	48.4	72.6

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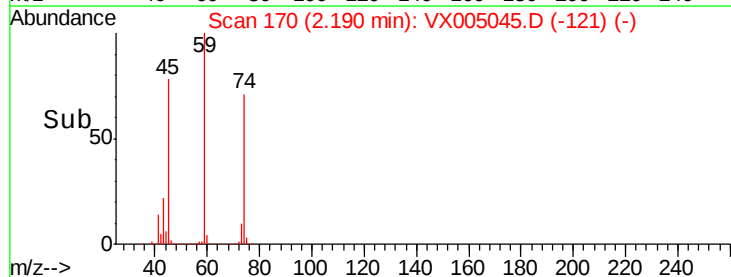
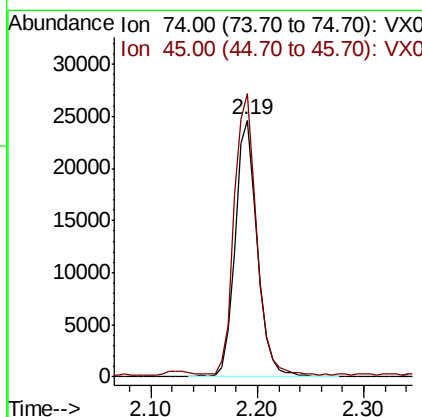
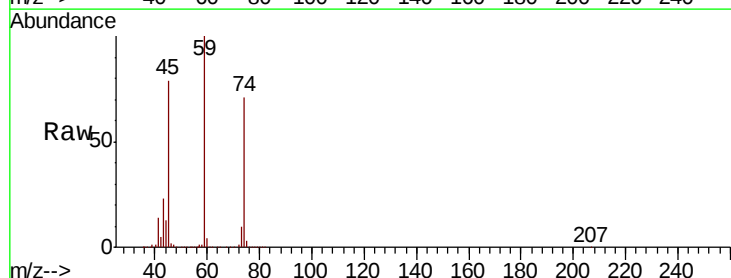
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#8

Diethyl Ether
Concen: 20.649 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.2	52.5	157.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.322 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Instrument :

MSVOA_X

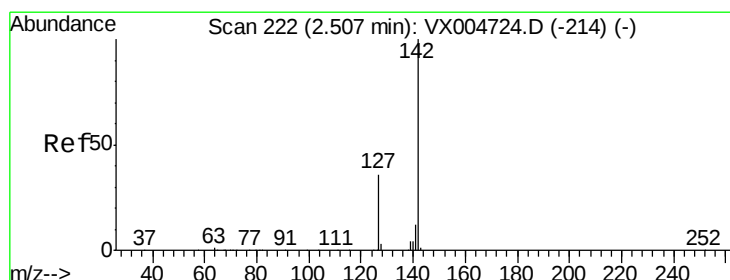
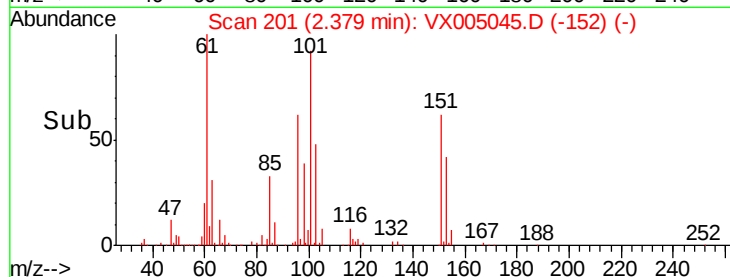
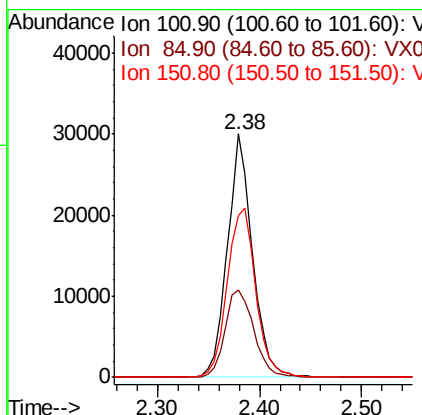
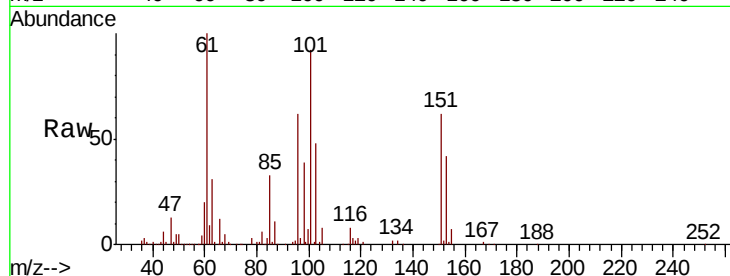
ClientSampleId :

VX1004WBS04

Tot Ion:	101	Resp:	50921
Ion Ratio	Lower	Upper	
101	100		
85	41.2	35.9	53.9
151	79.0	66.6	100.0

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#10

Methyl Iodide

Concen: 14.309 ug/l

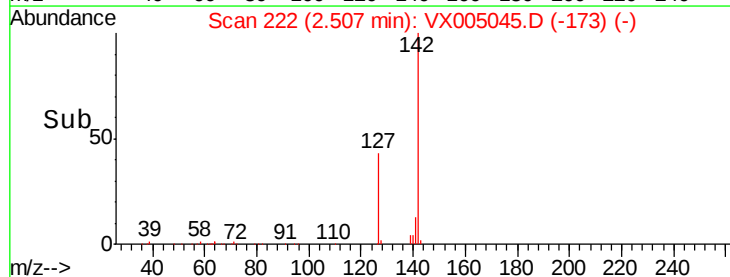
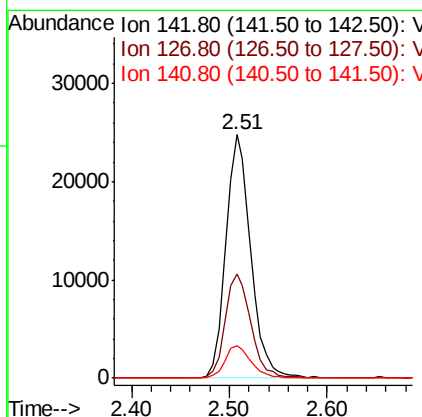
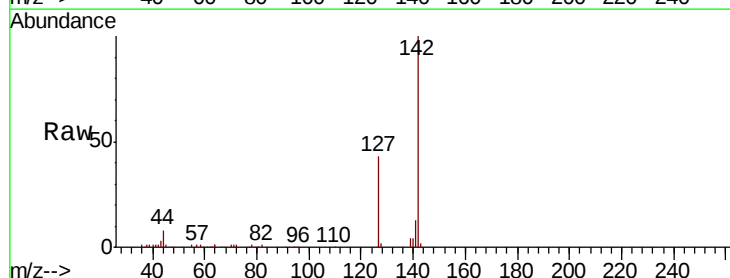
RT: 2.51 min Scan# 222

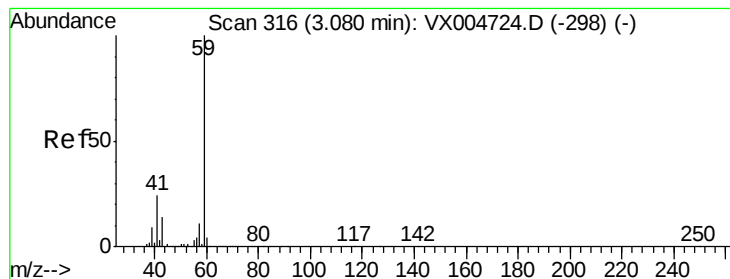
Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Tgt Ion:	142	Resp:	43679
Ion Ratio	Lower	Upper	
142	100		
127	44.0	30.1	45.1
141	14.0	10.1	15.1





#11

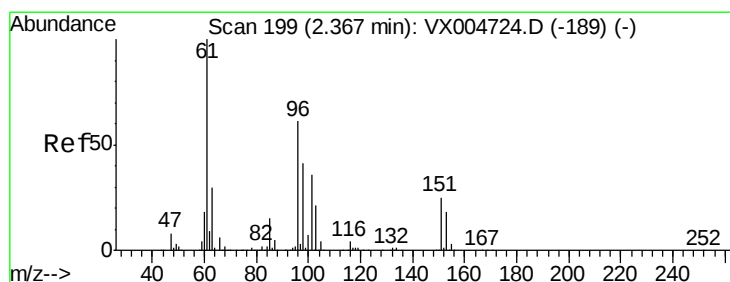
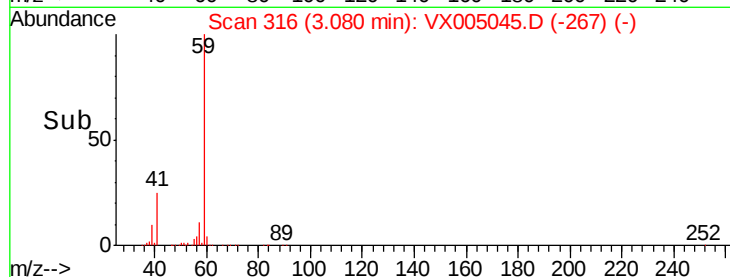
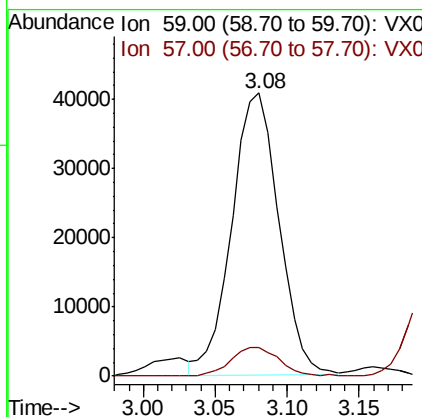
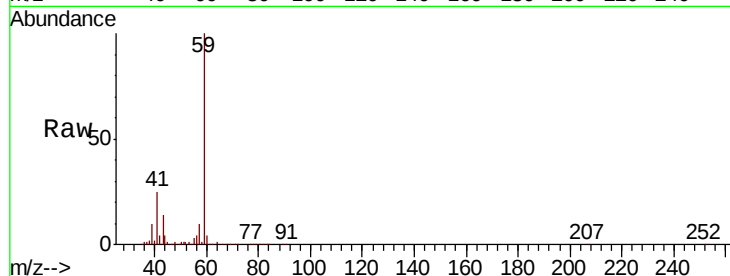
Tert butyl alcohol
Concen: 111.474 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS04

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.6	12.8

Manual Integrations
APPROVED

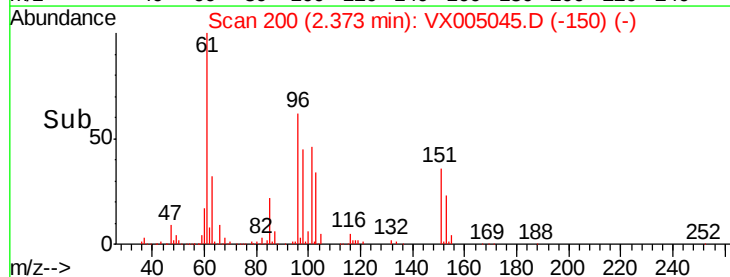
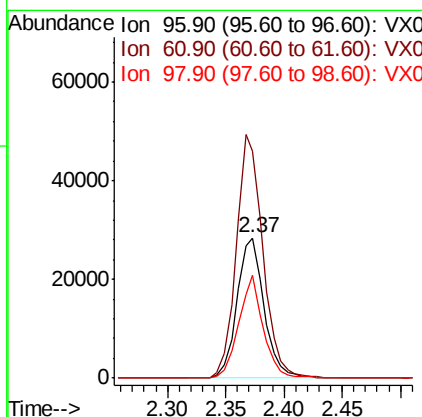
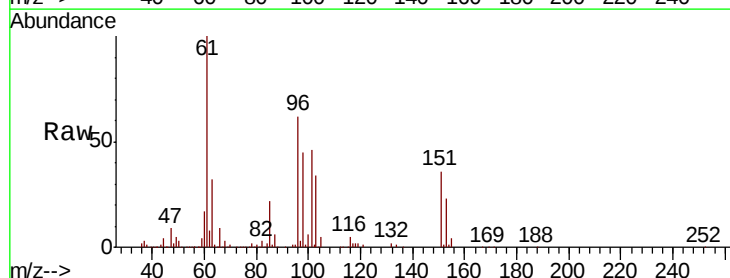
MMDadoda
10/5/2018 3:24:54 PM

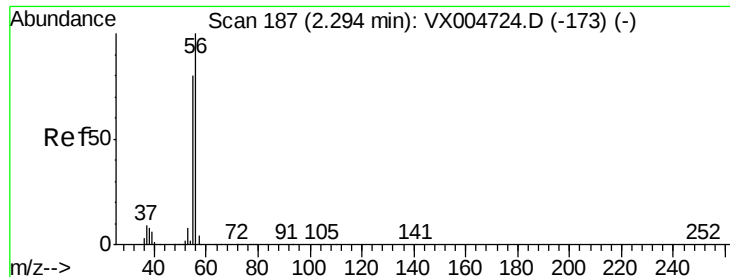


#12

1,1-Dichloroethene
Concen: 20.495 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.8	130.2	195.4
98	73.7	53.4	80.0





#13

Acrolein

Concen: 28.034 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBS04

Tot Ion: 56 Resp: 16611

Ion Ratio Lower Upper

56 100

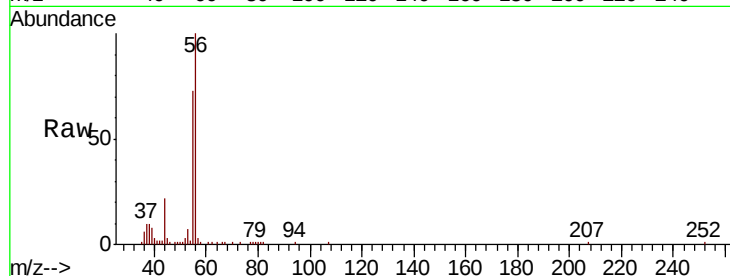
55 66.5 63.4 95.2

Manual Integrations

APPROVED

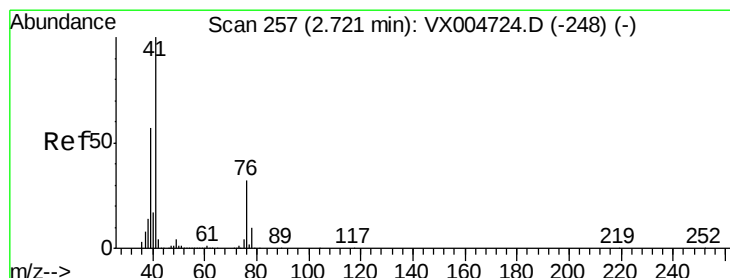
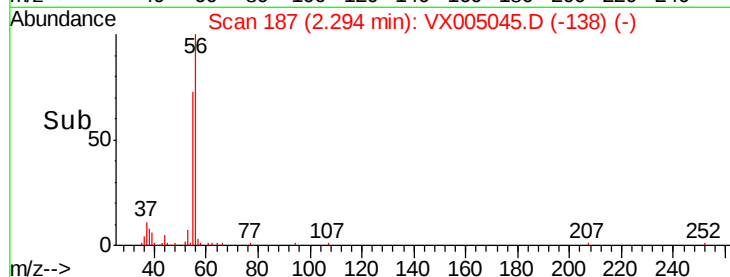
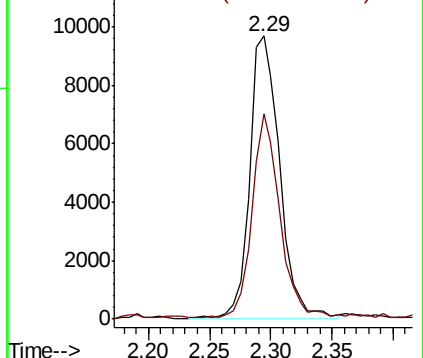
MMDadoda

10/5/2018 3:24:54 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 21.040 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

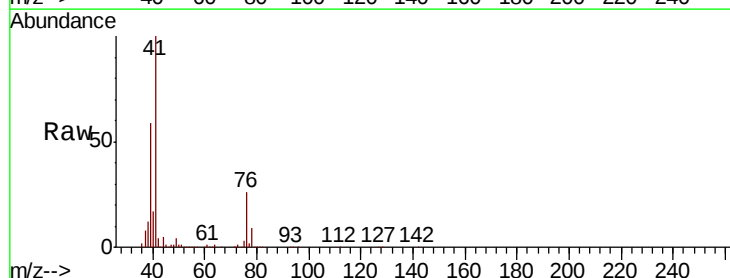
Tgt Ion: 41 Resp: 103714

Ion Ratio Lower Upper

41 100

39 58.0 44.1 66.1

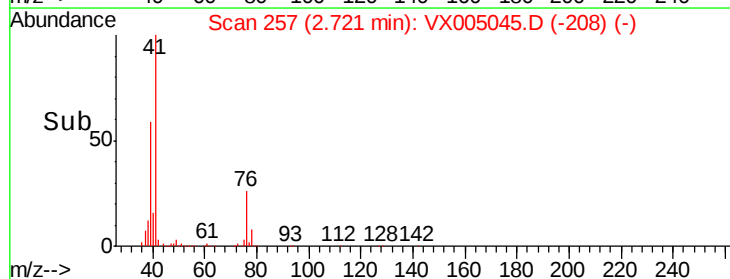
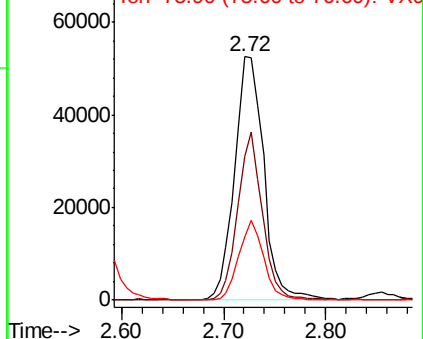
76 28.2 25.0 37.4



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 113.877 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Instrument :

MSVOA_X

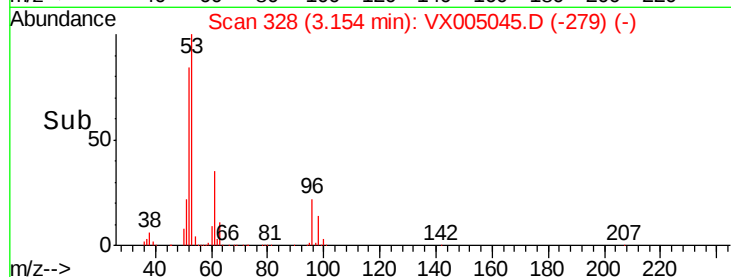
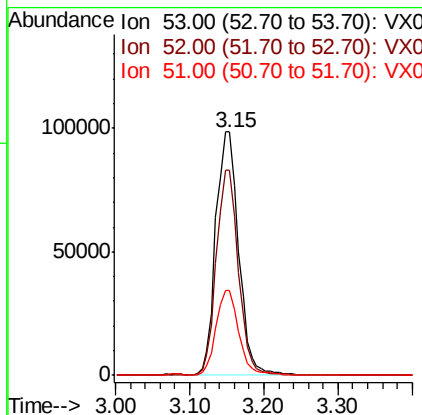
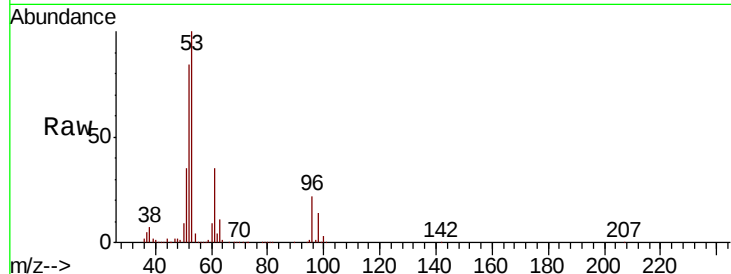
ClientSampleId :

VX1004WBS04

Tot Ion	53	Resp	208771
Ion	Ratio	Lower	Upper
53	100		
52	81.2	63.0	94.4
51	34.6	28.6	42.8

Manual Integrations
APPROVED

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10/5/2018 3:24:54 PM



#16

Acetone

Concen: 105.214 ug/l

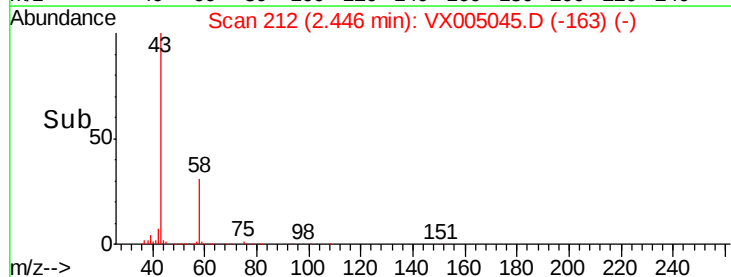
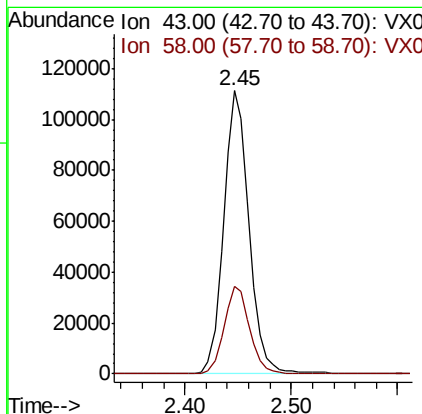
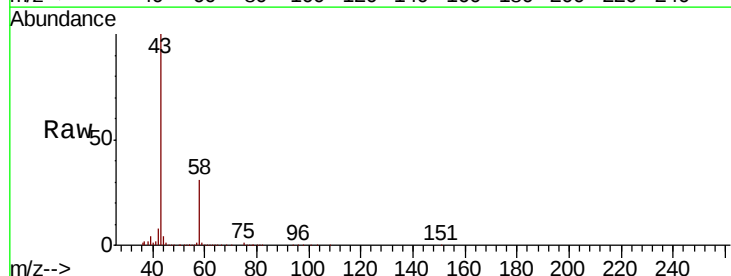
RT: 2.45 min Scan# 212

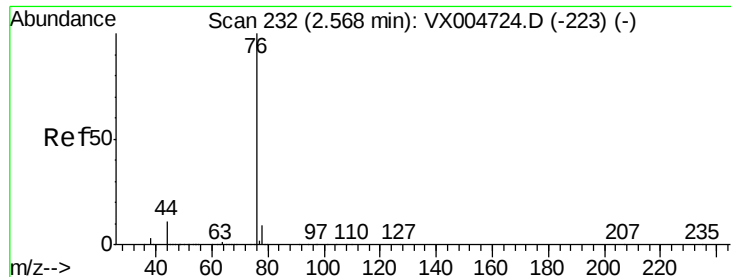
Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Tgt Ion	43	Resp	182953
Ion	Ratio	Lower	Upper
43	100		
58	30.9	21.8	32.6





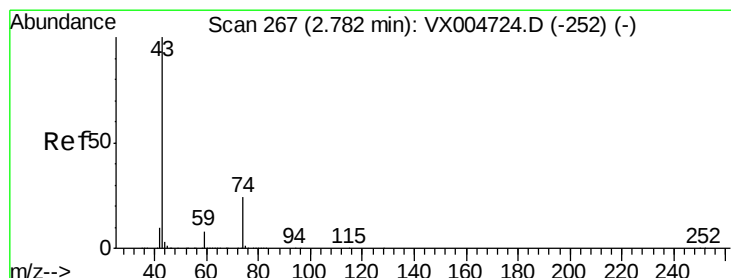
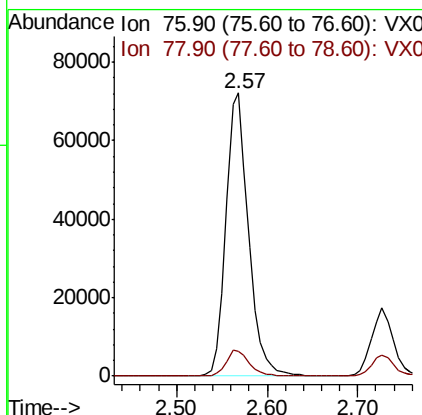
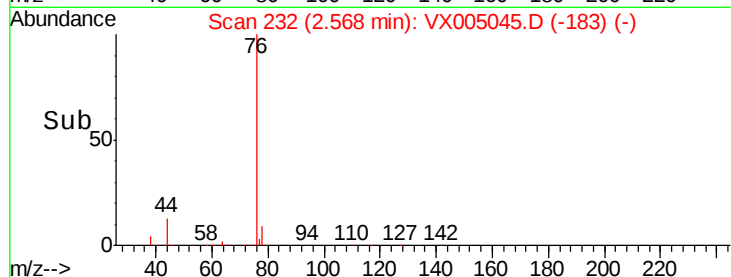
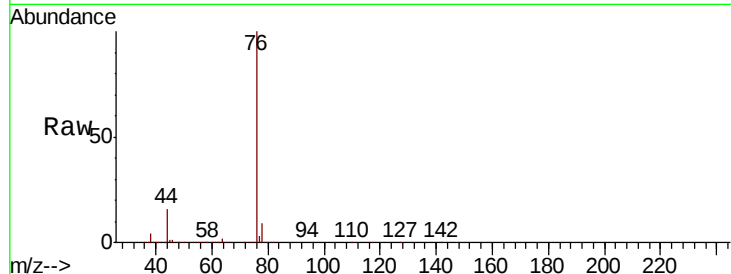
#17
Carbon Disulfide
Concen: 18.311 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS04

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.6

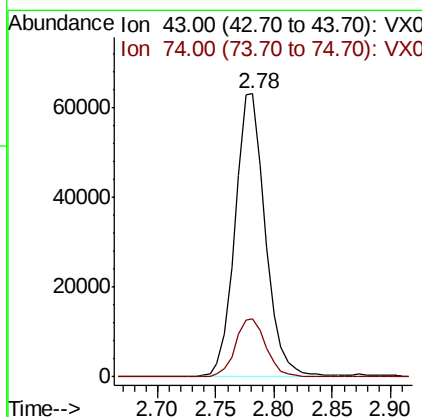
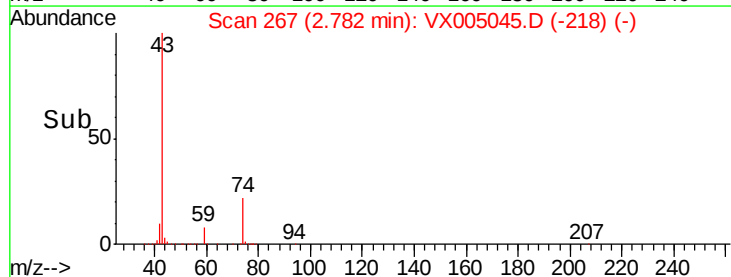
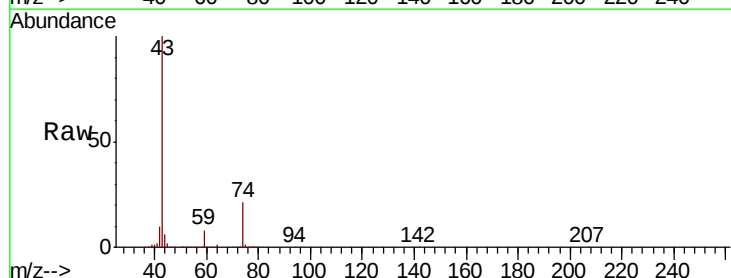
Manual Integrations
APPROVED

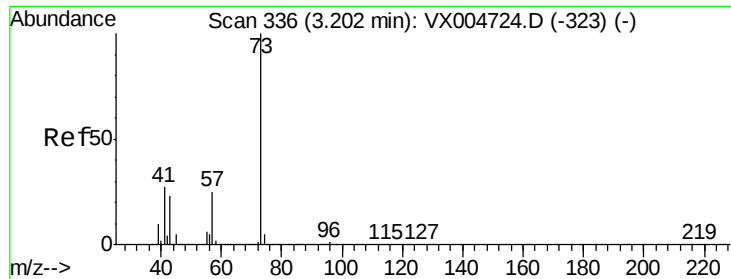
MMDadoda
10/5/2018 3:24:54 PM



#18
Methyl Acetate
Concen: 25.768 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.8	17.8	26.8





#19

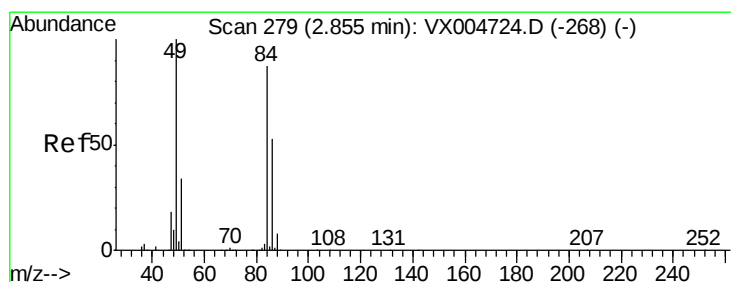
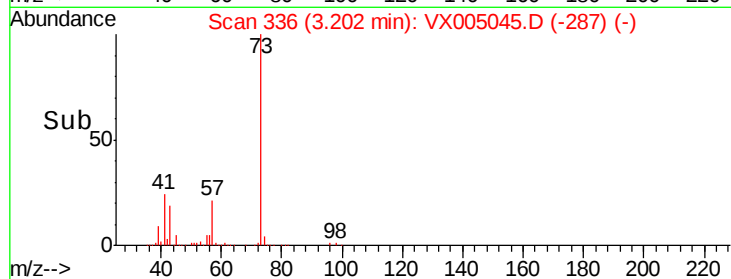
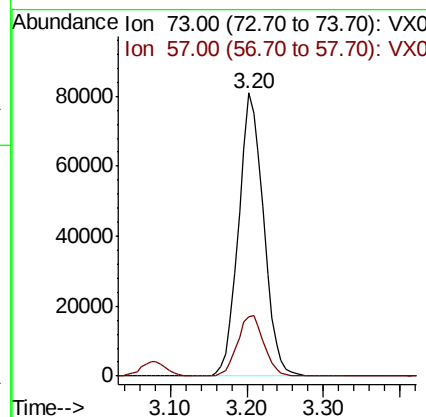
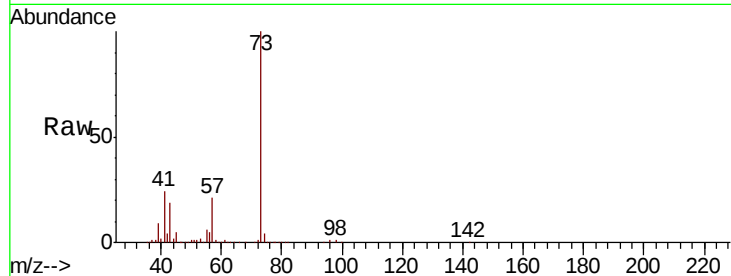
Methyl tert-butyl Ether
 Concen: 23.540 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VX005045.D
 Acq: 05 Oct 2018 04:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBS04

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.9	19.9	29.9

Manual Integrations
 APPROVED

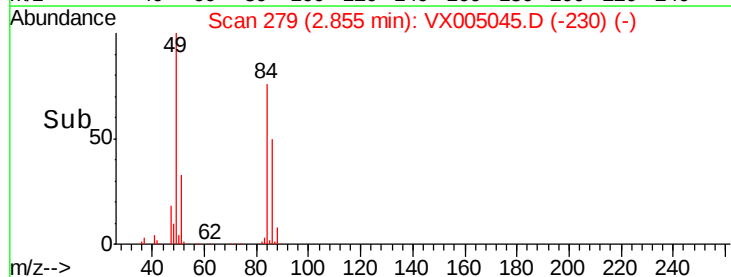
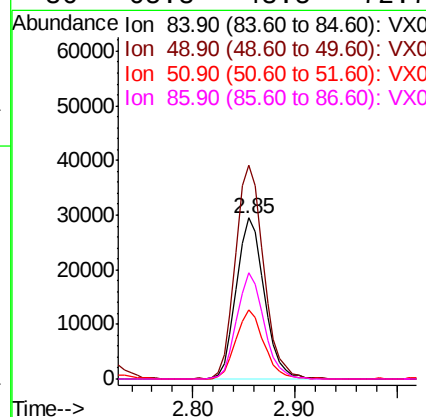
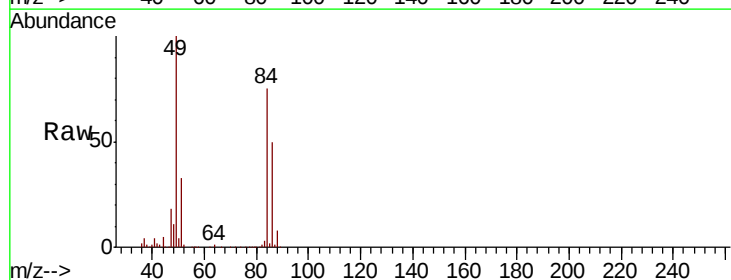
MMDadoda
 10/5/2018 3:24:54 PM

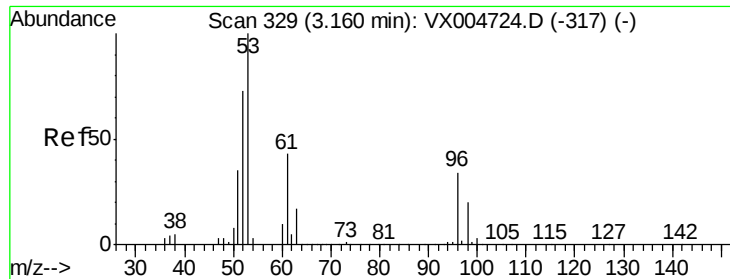


#20

Methylene Chloride
 Concen: 21.654 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX005045.D
 Acq: 05 Oct 2018 04:04

Tgt Ion	Ratio	Lower	Upper
84	100		
49	132.6	92.3	138.5
51	42.8	31.8	47.6
86	65.8	48.5	72.7





#21

trans-1,2-Dichloroethene

Concen: 20.572 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBS04

Tot Ion: 96 Resp: 50877

Ion Ratio Lower Upper

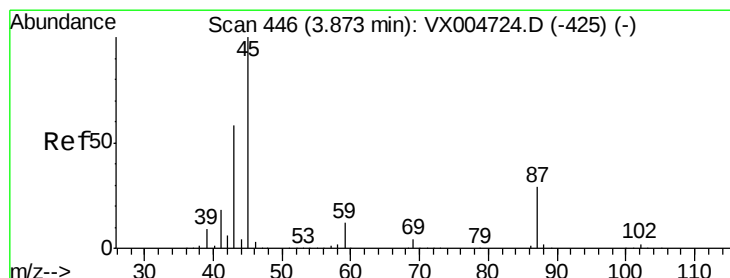
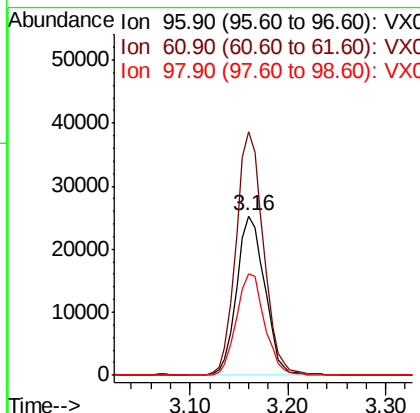
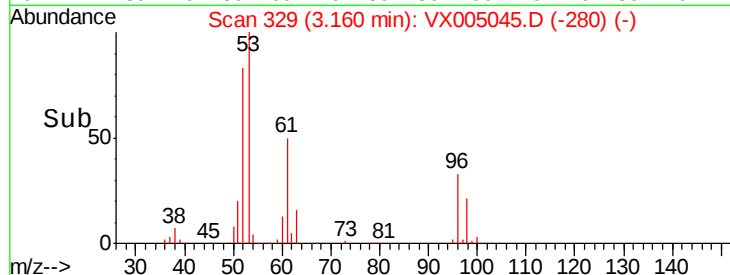
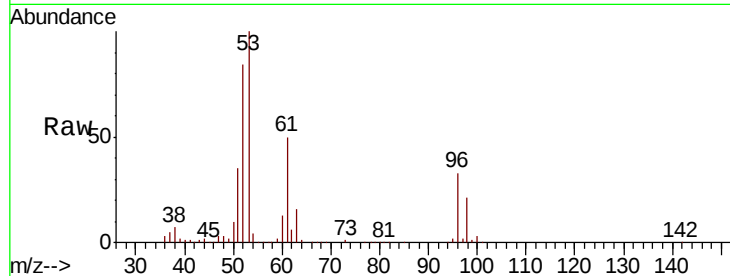
96 100

61 152.3 101.0 151.6#

98 63.4 47.2 70.8

Manual Integrations
APPROVED

MMDadoda
10/5/2018 3:24:54 PM



#22

Diisopropyl ether

Concen: 23.463 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Tgt Ion: 45 Resp: 194755

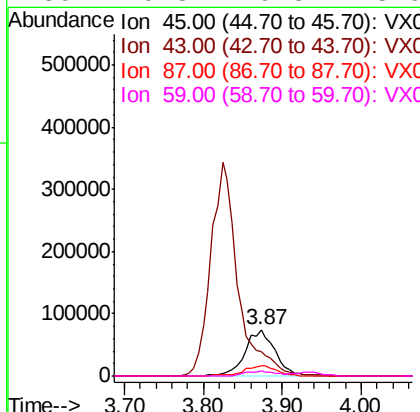
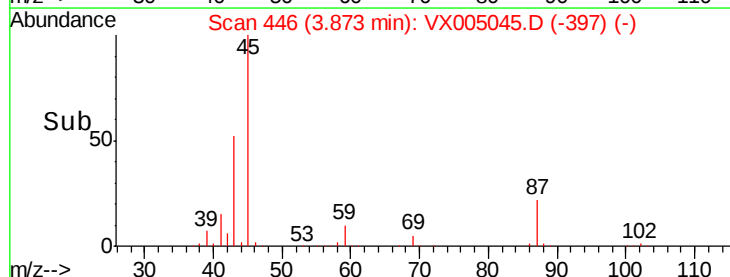
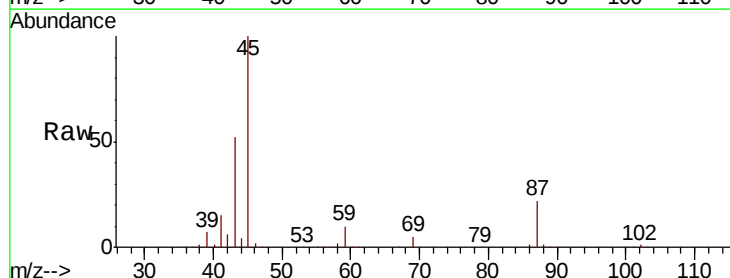
Ion Ratio Lower Upper

45 100

43 51.8 46.7 70.1

87 22.2 22.9 34.3#

59 9.8 9.3 13.9





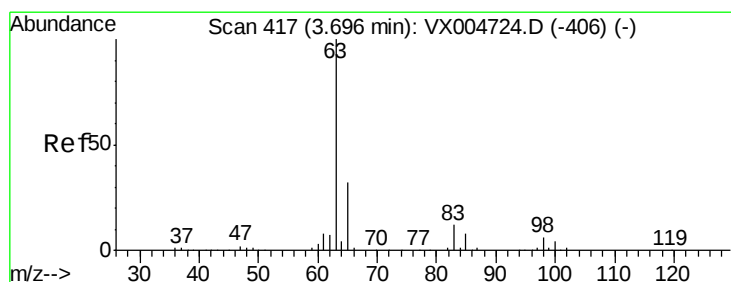
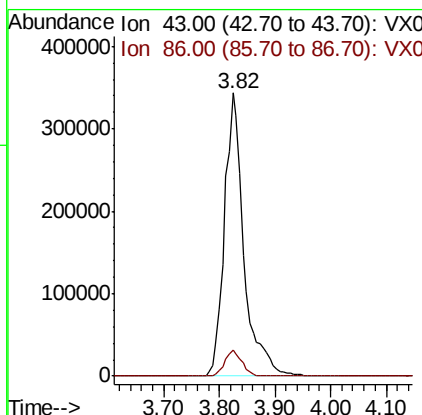
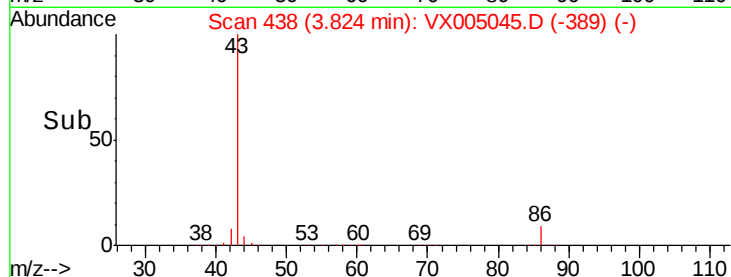
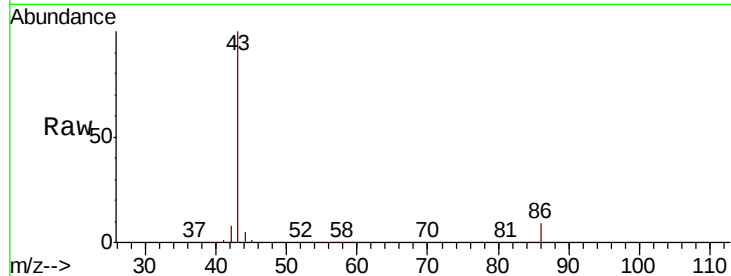
#23
 Vinyl Acetate
 Concen: 109.431 ug/l
 RT: 3.82 min Scan# 438
 Delta R.T. 0.00 min
 Lab File: VX005045.D
 Acq: 05 Oct 2018 04:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBS04

Tot Ion	Ratio	Lower	Upper
43	100		
86	9.0	8.1	12.1

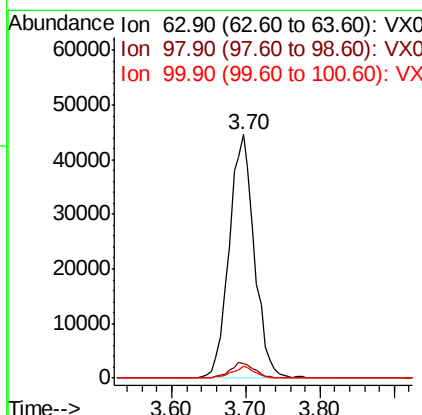
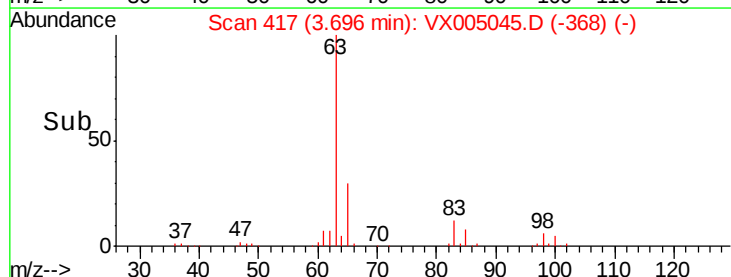
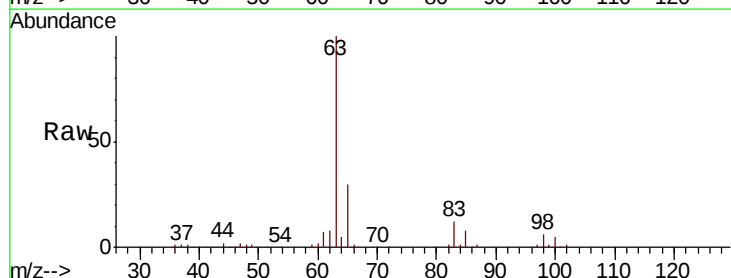
Manual Integrations
 APPROVED

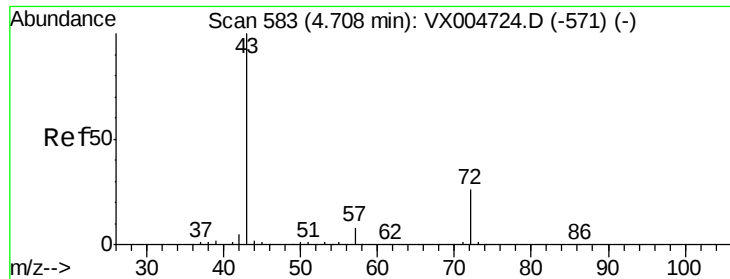
MMDadoda
 10/5/2018 3:24:54 PM



#24
 1,1-Dichloroethane
 Concen: 21.237 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. 0.00 min
 Lab File: VX005045.D
 Acq: 05 Oct 2018 04:04

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.0	9.2
100	4.7	2.0	5.8





#25

2-Butanone

Concen: 105.094 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Instrument :

MSVOA_X

ClientSampled :

VX1004WBS04

Tot Ion: 43 Resp: 269369

Ion Ratio Lower Upper

43 100

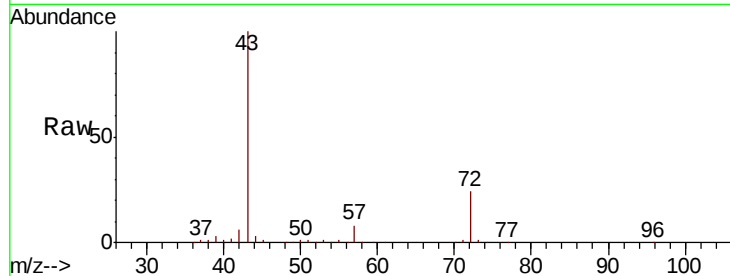
72 23.7 20.8 31.2

Manual Integrations

APPROVED

MMDadoda

10/5/2018 3:24:54 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

100000

80000

60000

40000

20000

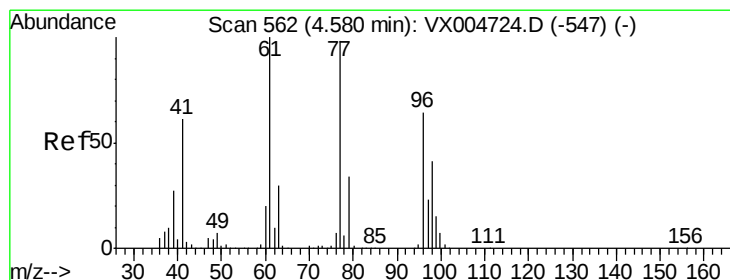
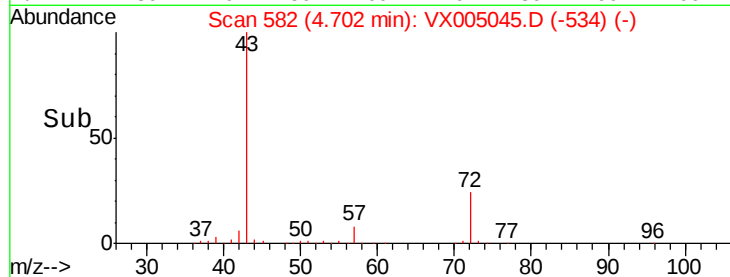
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 13.068 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX005045.D

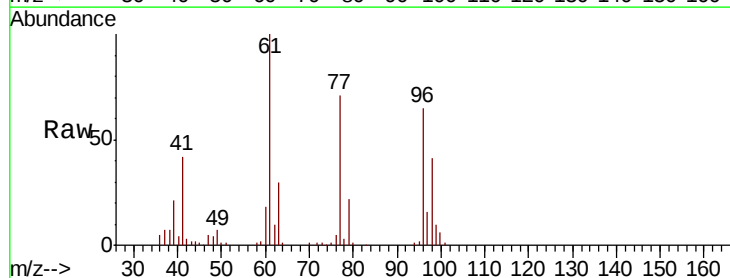
Acq: 05 Oct 2018 04:04

Tgt Ion: 77 Resp: 45056

Ion Ratio Lower Upper

77 100

97 26.3 12.6 37.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

15000

10000

5000

0

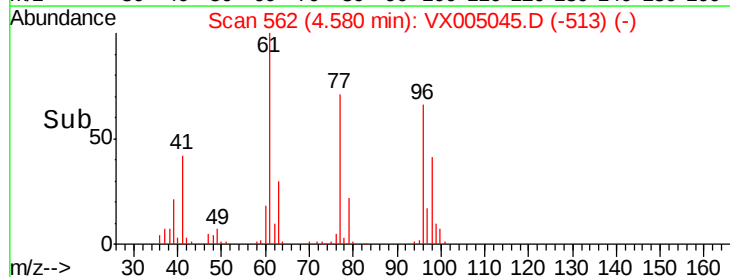
4.40

4.50

4.60

4.70

Time-->





#27

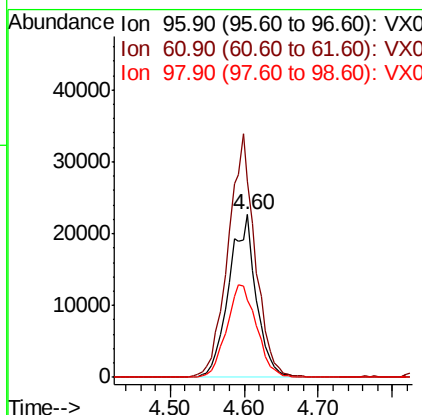
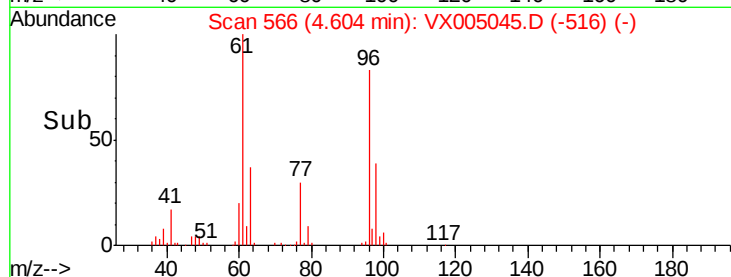
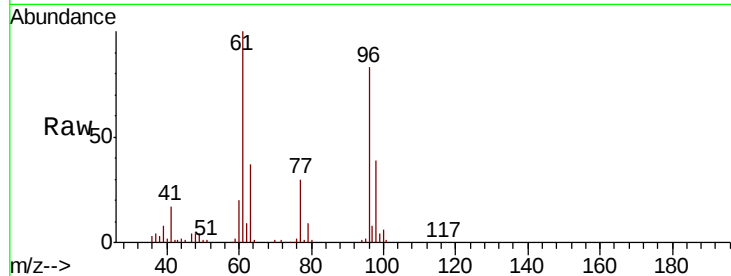
cis-1,2-Dichloroethene
Concen: 20.938 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS04

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.3	0.0	285.8
98	62.2	0.0	136.2

Manual Integrations
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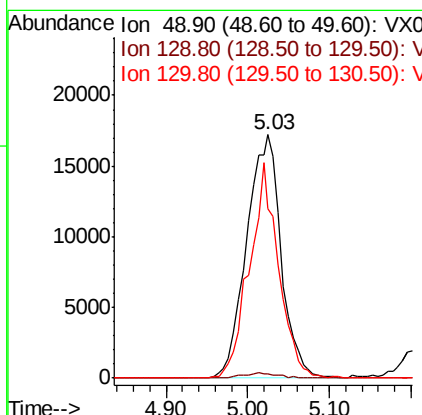
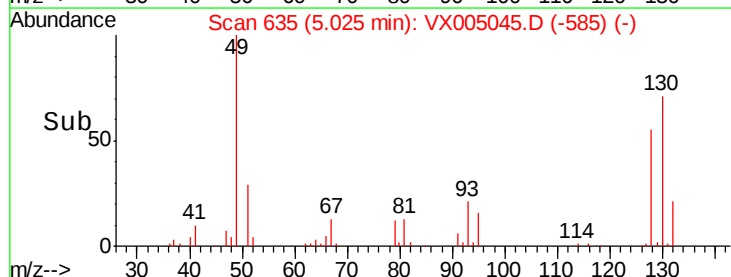
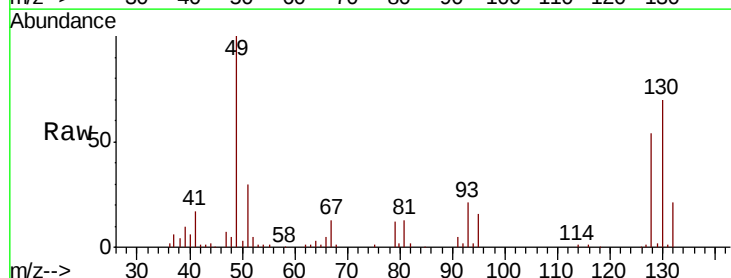
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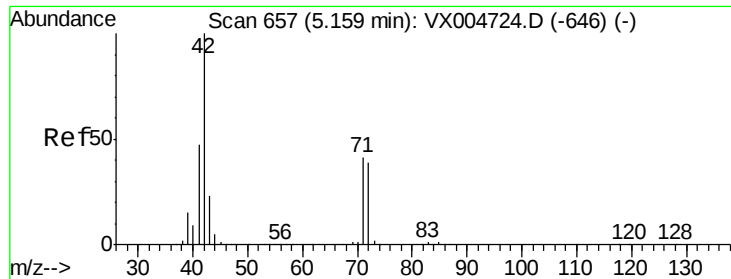


#28

Bromochloromethane
Concen: 21.727 ug/l
RT: 5.03 min Scan# 635
Delta R.T. 0.01 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	74.8	62.0	93.0





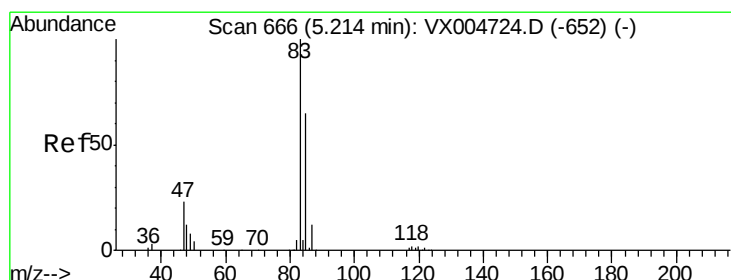
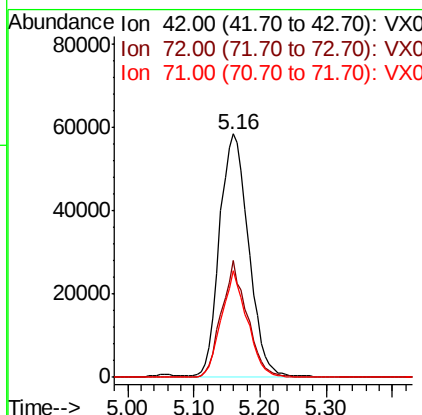
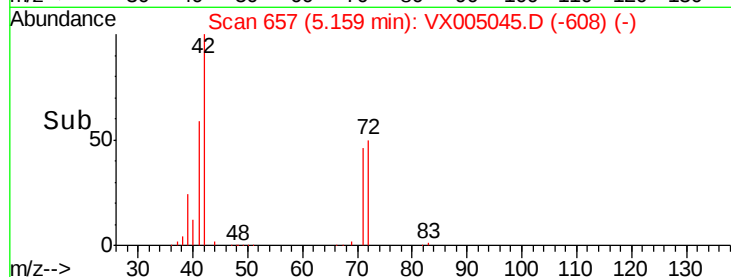
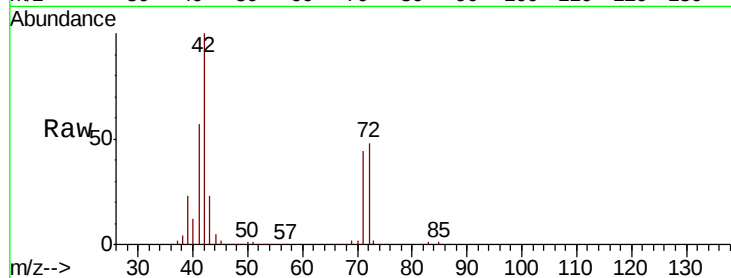
#29
Tetrahydrofuran
Concen: 111.555 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS04

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	33.7	50.5
71	39.1	32.2	48.4

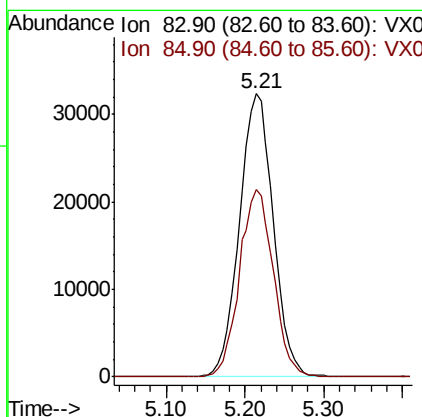
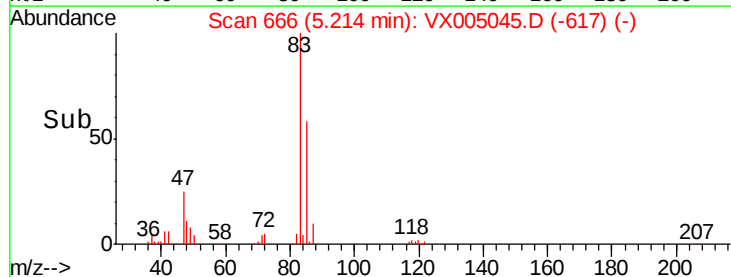
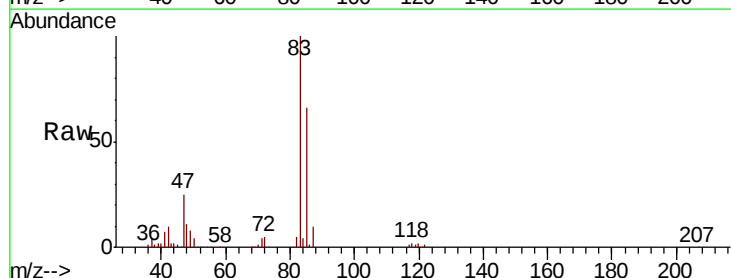
Manual Integrations
APPROVED

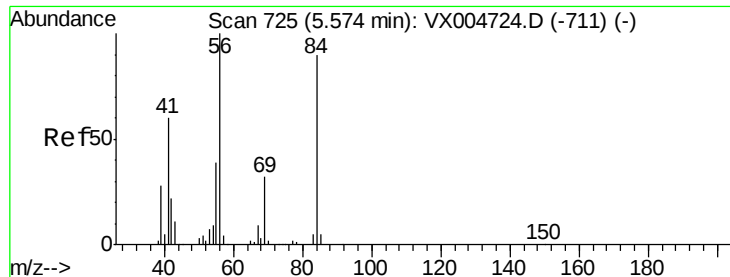
MMDadoda
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#30
Chloroform
Concen: 20.665 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.4	78.6





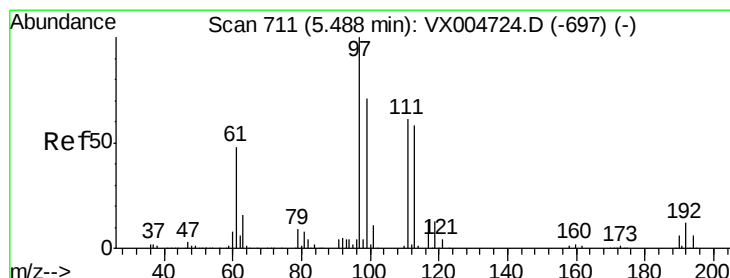
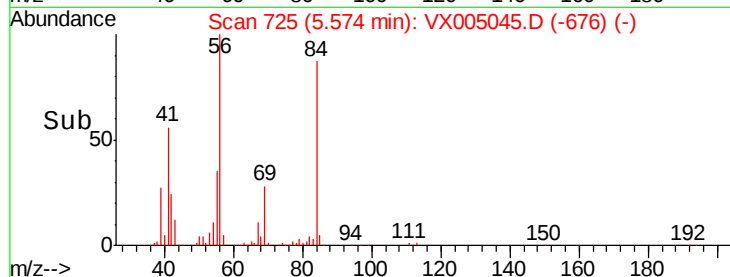
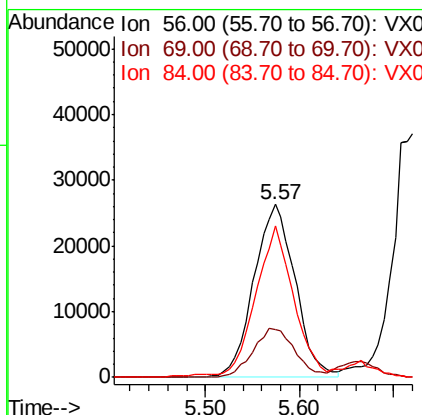
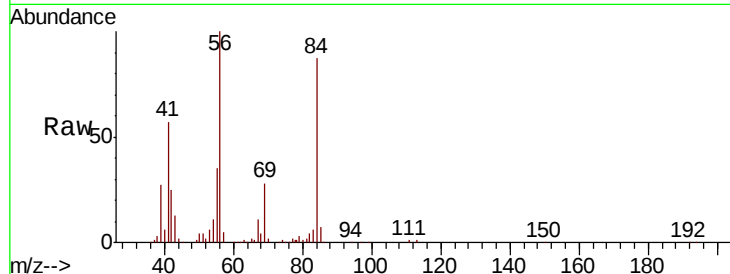
#31
Cyclohexane
Concen: 21.289 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS04

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.0	25.9	38.9
84	86.1	71.9	107.9

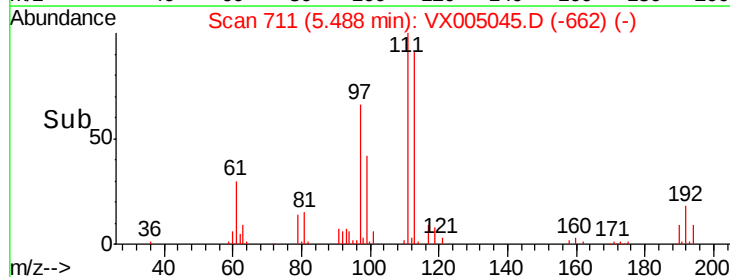
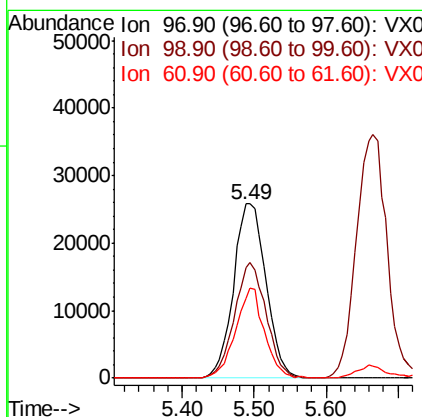
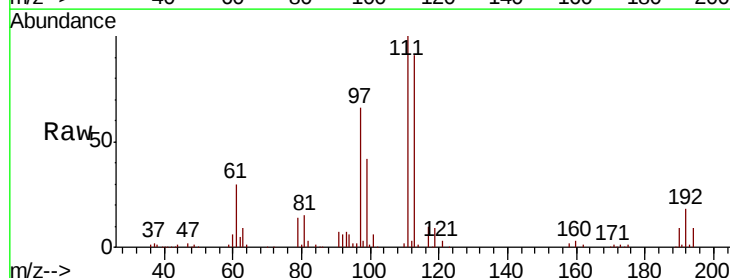
Manual Integrations
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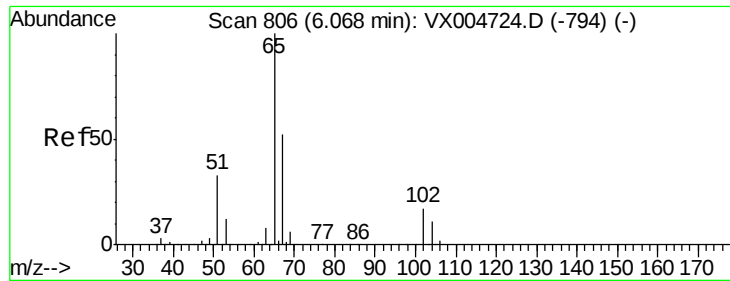
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#32
1,1,1-Trichloroethane
Concen: 21.192 ug/l
RT: 5.49 min Scan# 711
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	54.6	82.0
61	45.8	37.5	56.3





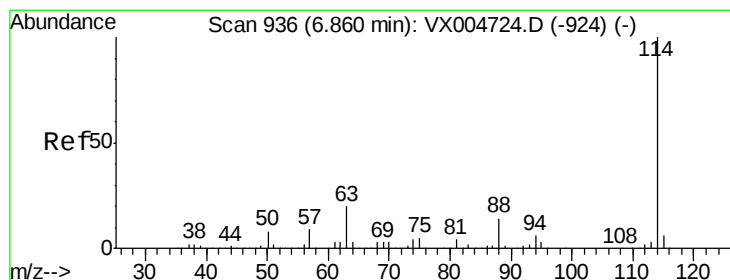
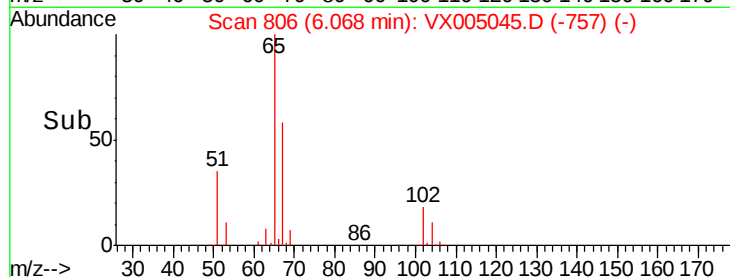
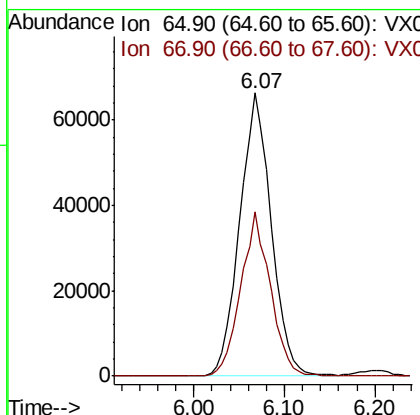
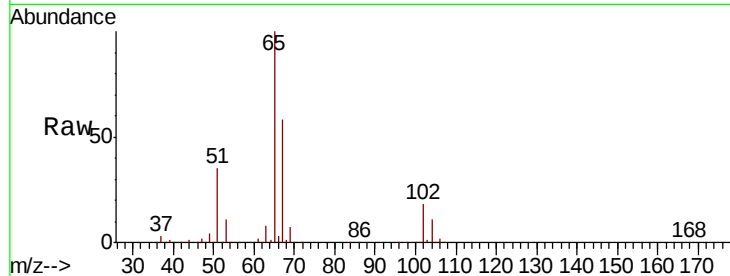
#33
 1,2-Dichloroethane-d4
 Concen: 53.730 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX005045.D
 Acq: 05 Oct 2018 04:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBS04

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	107.4

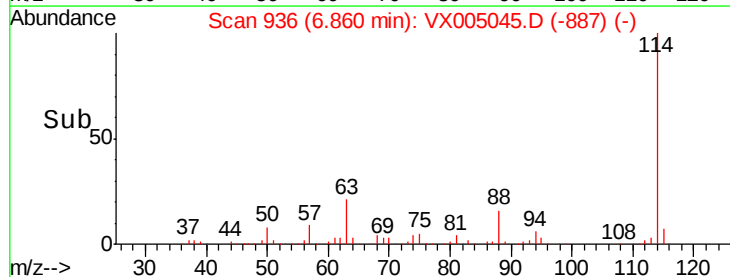
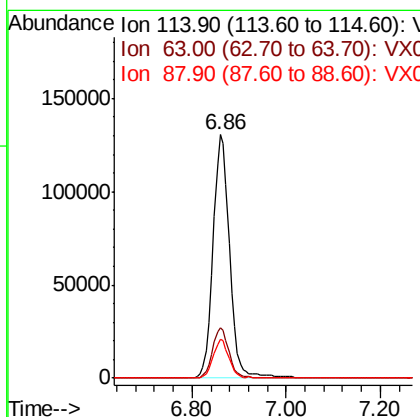
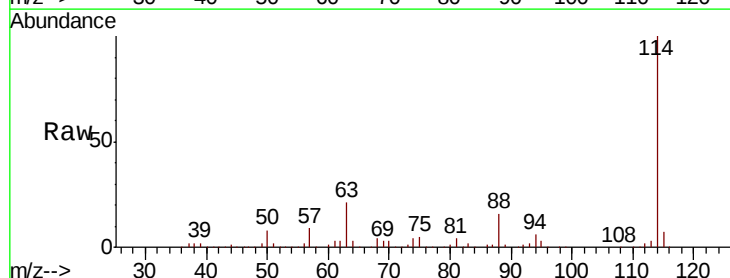
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX005045.D
 Acq: 05 Oct 2018 04:04

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	39.8
88	15.7	0.0	27.0





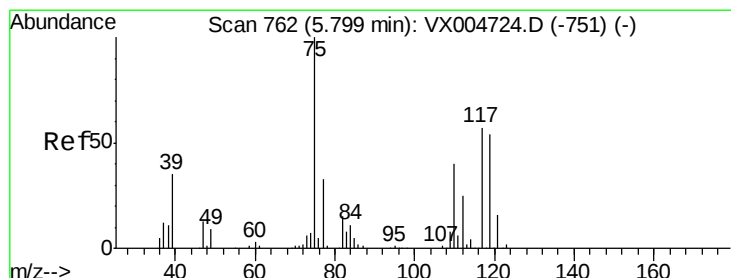
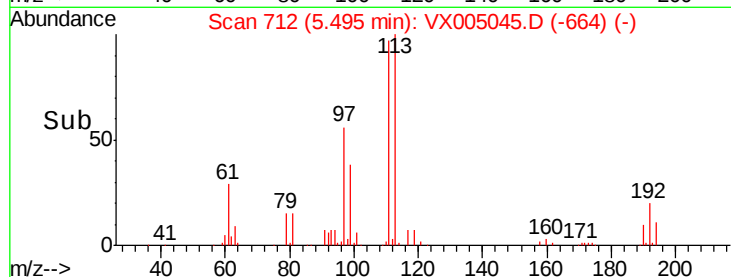
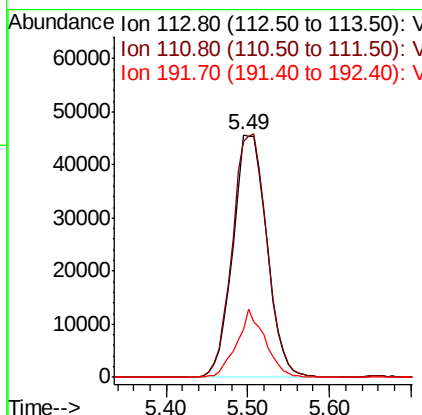
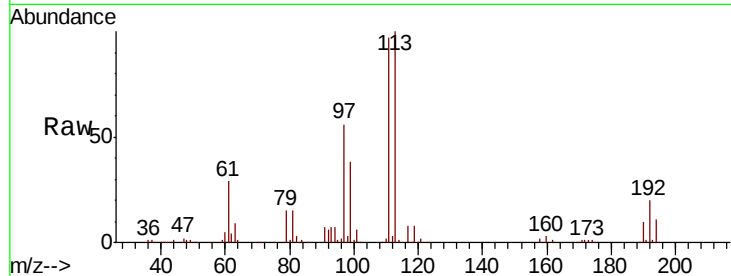
#35
 Dibromofluoromethane
 Concen: 48.819 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX005045.D
 Acq: 05 Oct 2018 04:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBS04

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	77.0	115.4
192	23.4	17.0	25.6

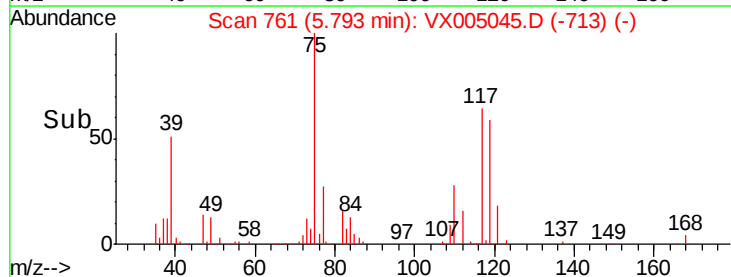
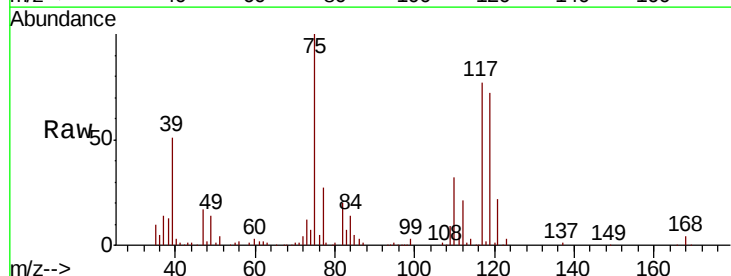
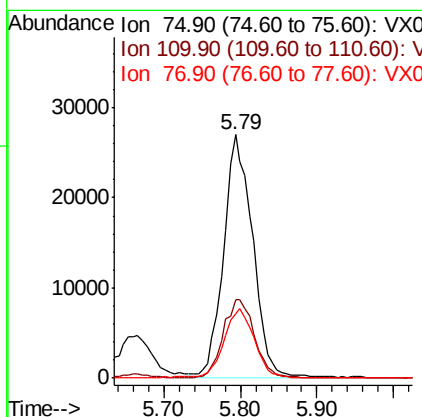
Manual Integrations
 APPROVED

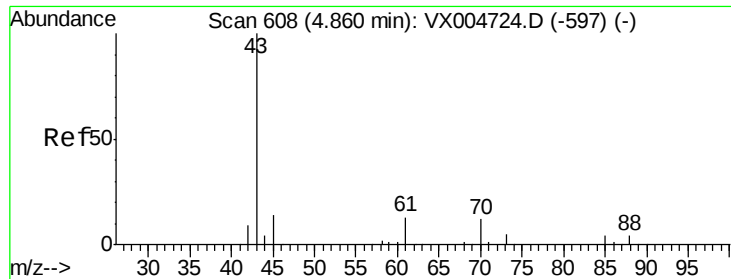
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#36
 1,1-Dichloropropene
 Concen: 19.167 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX005045.D
 Acq: 05 Oct 2018 04:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.1	20.0	59.9
77	29.8	27.1	40.7





#37

Ethyl Acetate

Concen: 19.816 ug/l

RT: 4.85 min Scan# 607

Delta R.T. -0.01 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Instrument :

MSVOA_X

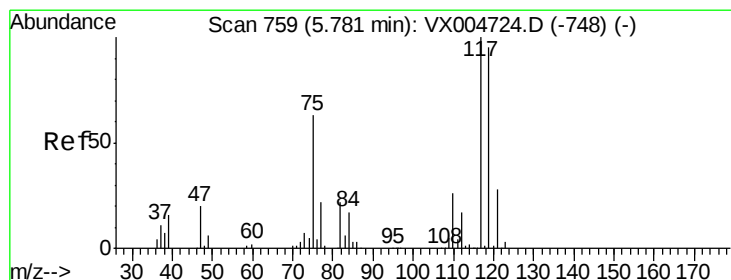
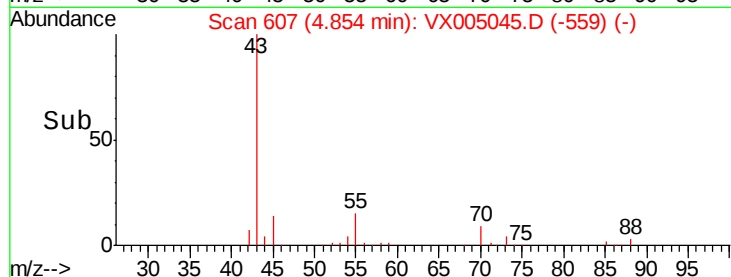
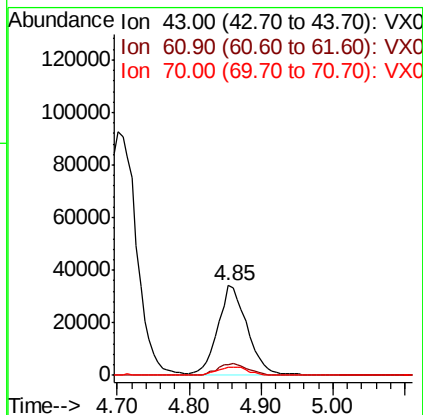
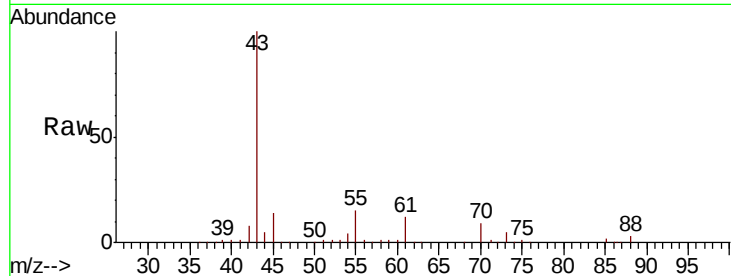
ClientSampleId :

VX1004WBS04

Tot Ion:	43	Resp:	96776
Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.4	15.6
70	10.2	8.7	13.1

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 17.818 ug/l

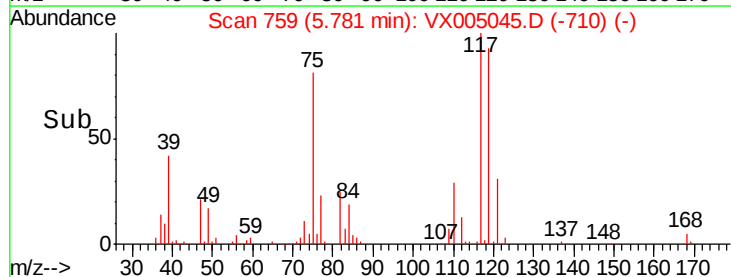
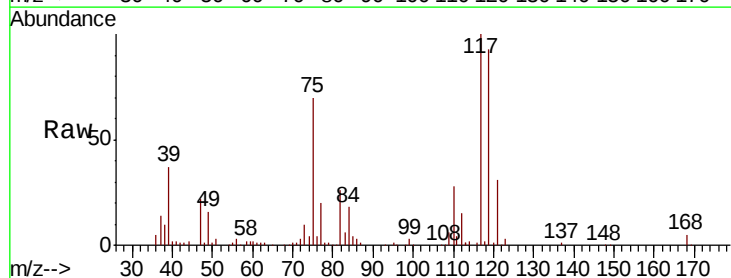
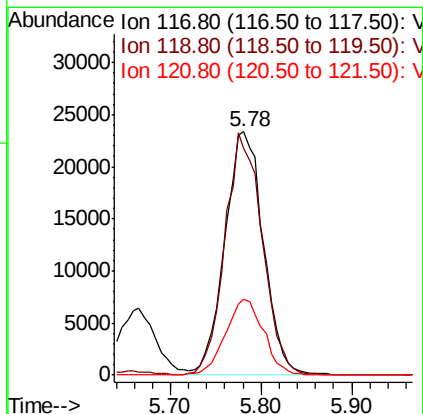
RT: 5.78 min Scan# 759

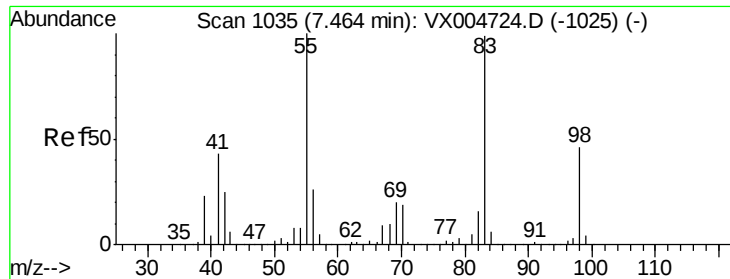
Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Tgt Ion:	117	Resp:	68910
Ion	Ratio	Lower	Upper
117	100		
119	93.2	75.2	112.8
121	31.1	22.5	33.7





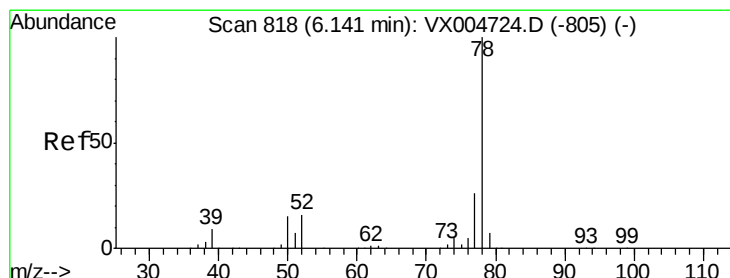
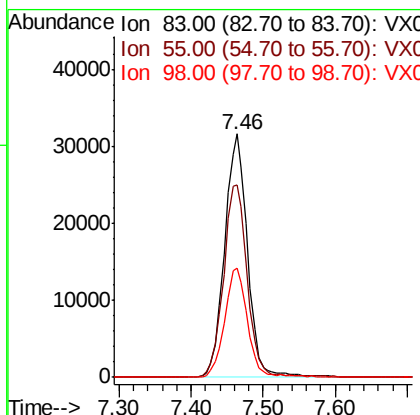
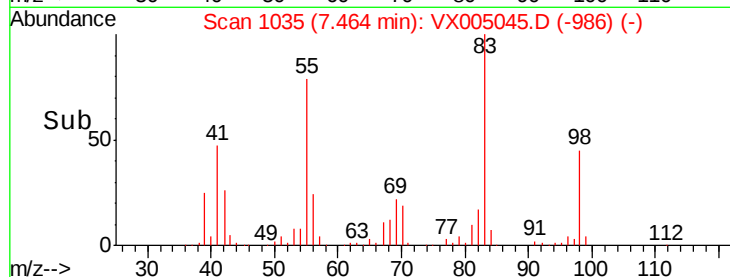
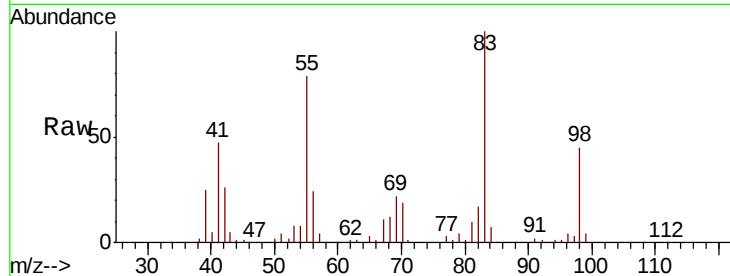
#39
Methvlcvclohexane
Concen: 18.626 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS04

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.1	81.1	121.7#
98	44.8	37.3	55.9

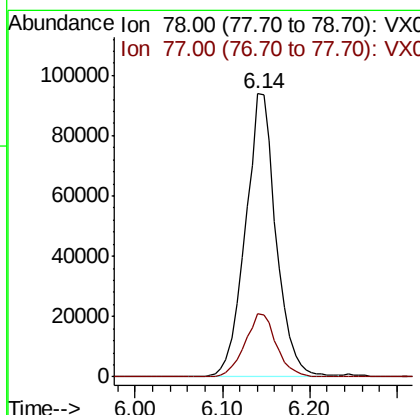
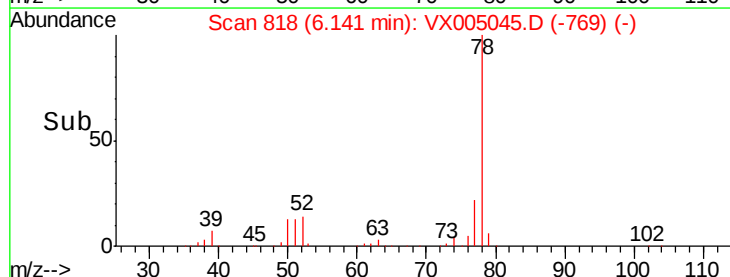
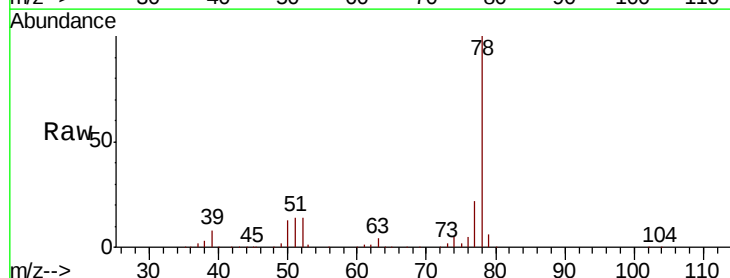
Manual Integrations
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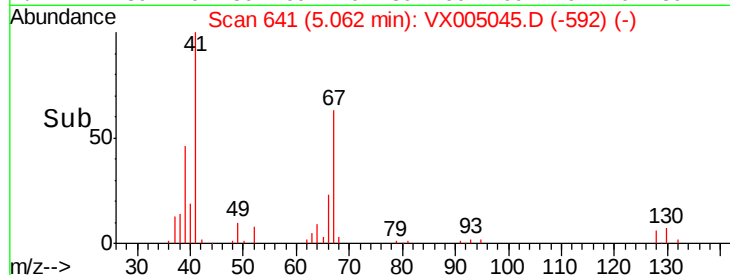
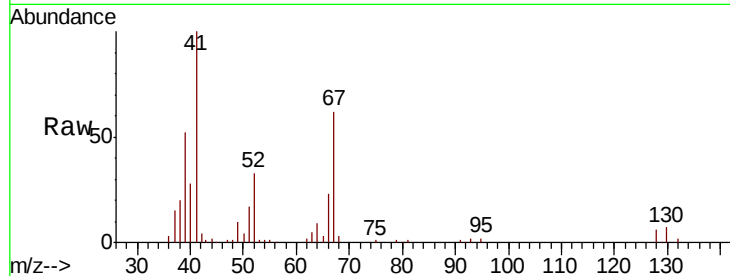
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#40
Benzene
Concen: 19.750 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.2	21.0	31.4





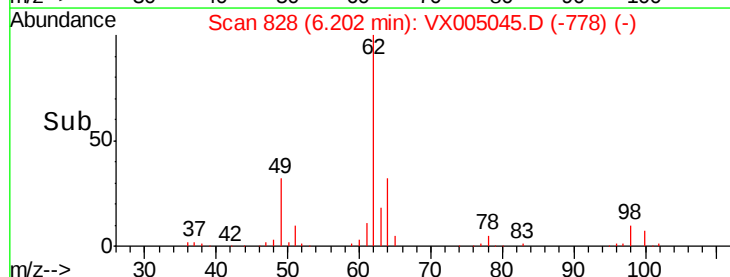
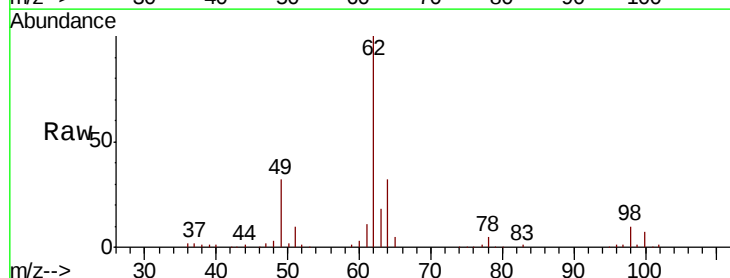
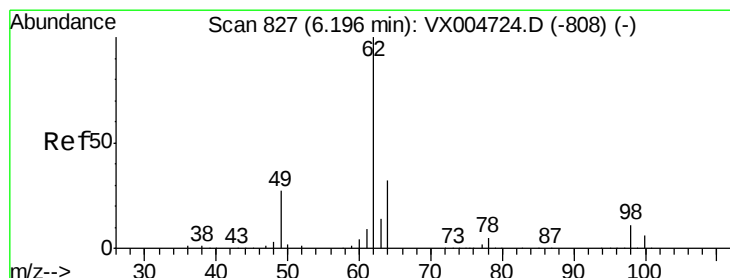
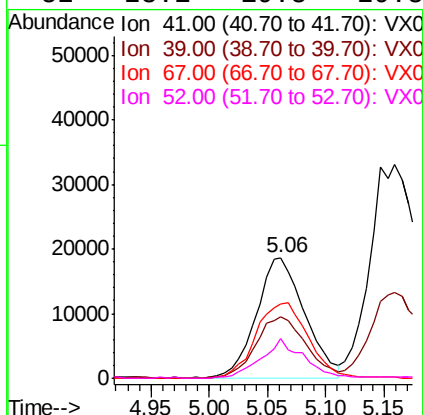
#41
Methacrylonitrile
Concen: 19.768 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.9	42.5	63.7	
67	68.2	53.0	79.6	
52	28.1	19.8	29.8	

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS04

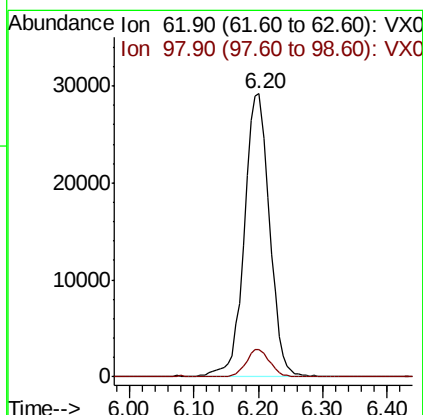
Manual Integrations
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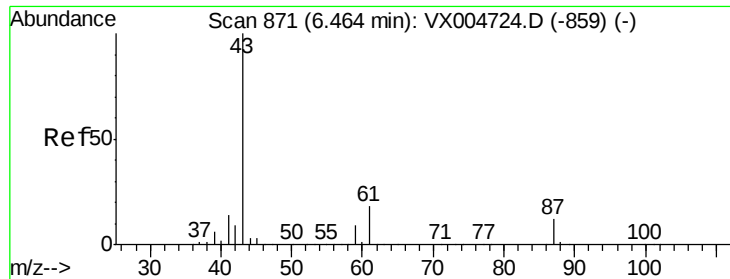
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#42
1,2-Dichloroethane
Concen: 19.202 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	0.0	20.2	





#43

Isopropyl Acetate

Concen: 19.049 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Instrument :

MSVOA_X

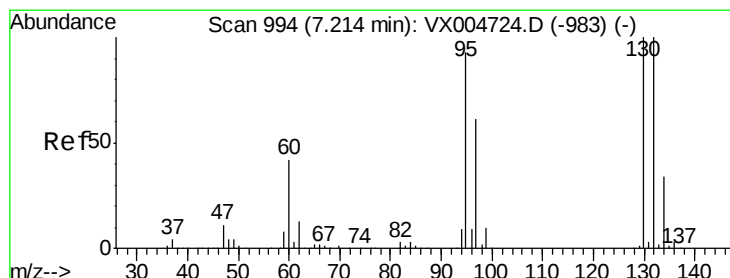
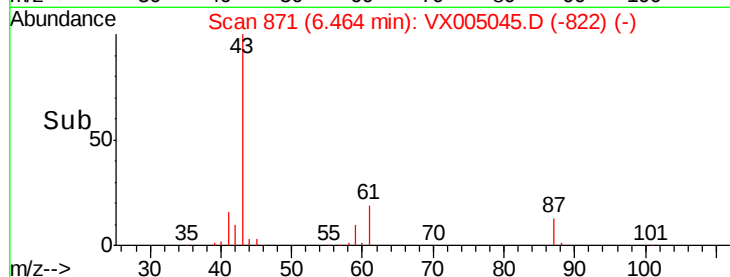
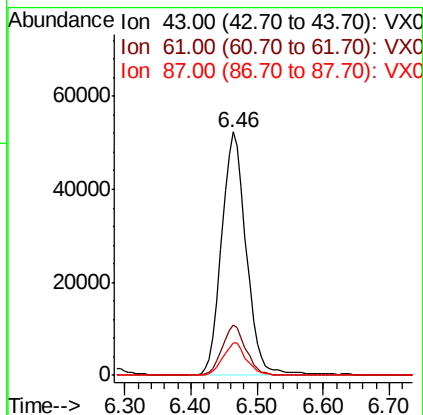
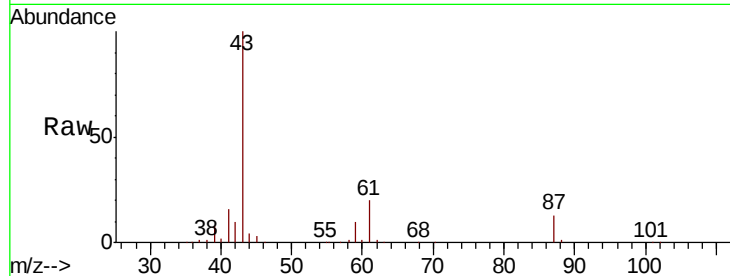
ClientSampleId :

VX1004WBS04

Tot Ion:	43	Resp:	134275
Ion	Ratio	Lower	Upper
43	100		
61	20.1	14.2	21.4
87	12.9	9.3	13.9

Manual Integrations
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#44

Trichloroethene

Concen: 19.805 ug/l

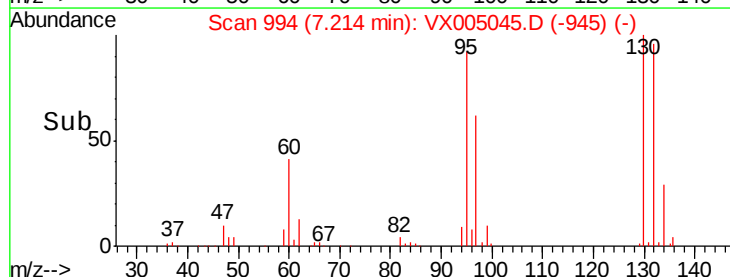
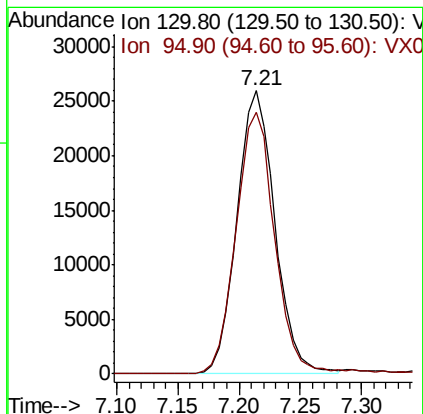
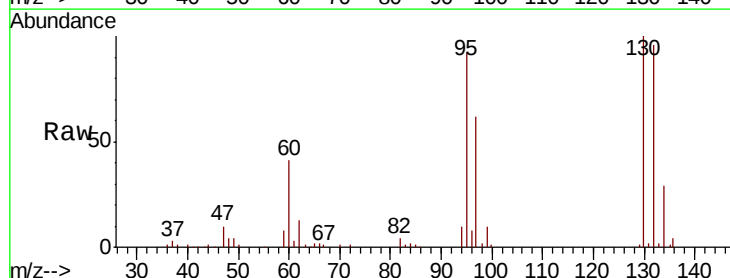
RT: 7.21 min Scan# 994

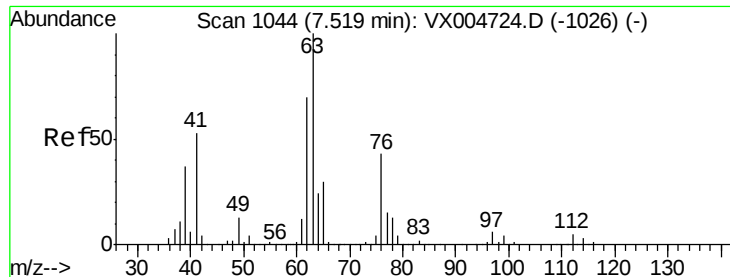
Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Tgt Ion:	130	Resp:	56079
Ion	Ratio	Lower	Upper
130	100		
95	92.3	0.0	186.8





#45

1,2-Dichloropropane

Concen: 20.467 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBS04

Tot Ion: 63 Resp: 57811

Ion Ratio Lower Upper

63 100

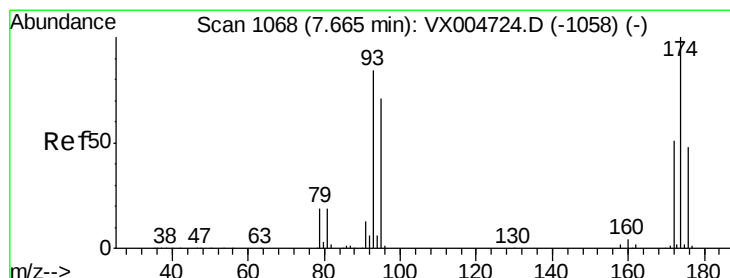
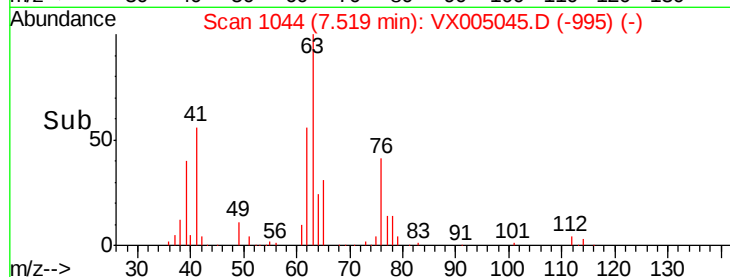
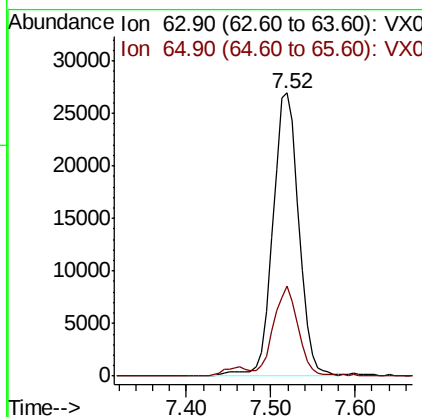
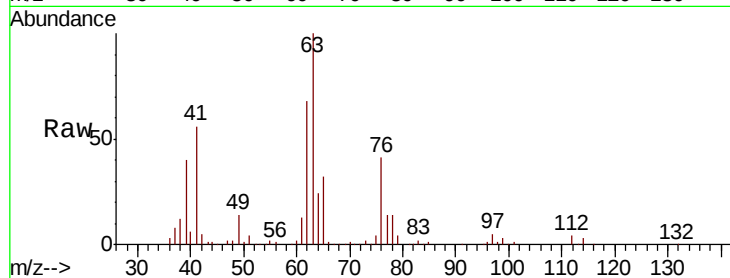
65 31.9 23.9 35.9

Manual Integrations

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#46

Dibromomethane

Concen: 20.781 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

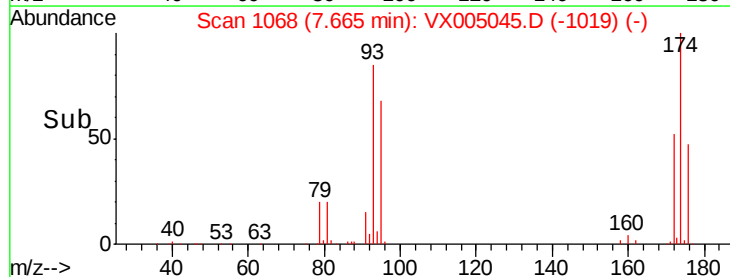
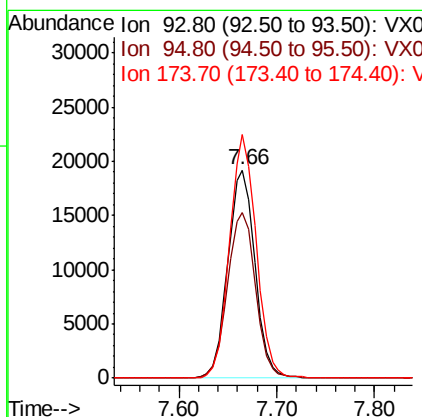
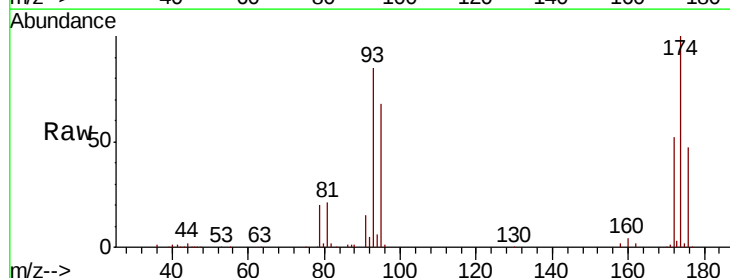
Tgt Ion: 93 Resp: 36890

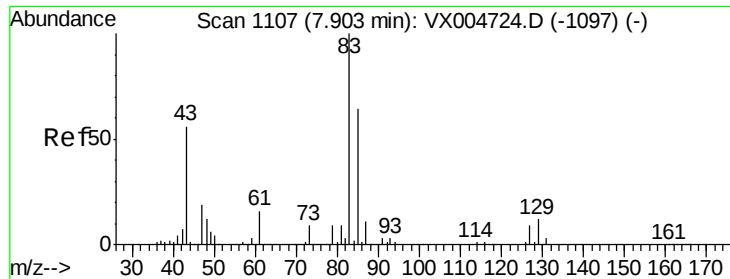
Ion Ratio Lower Upper

93 100

95 82.7 66.7 100.1

174 114.6 92.7 139.1





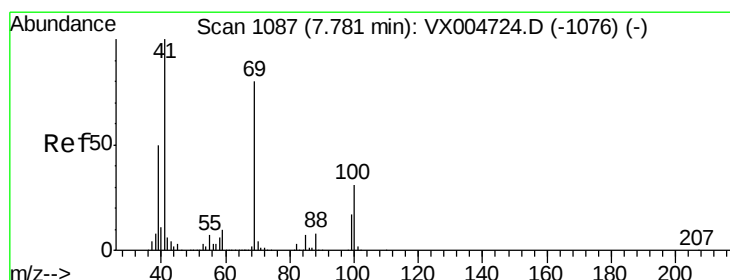
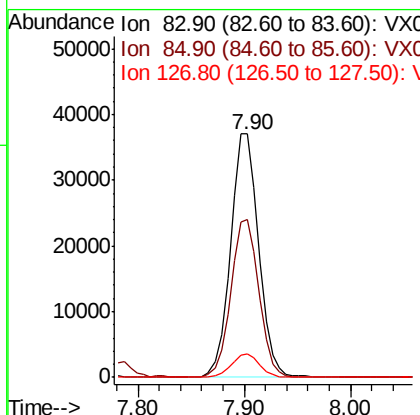
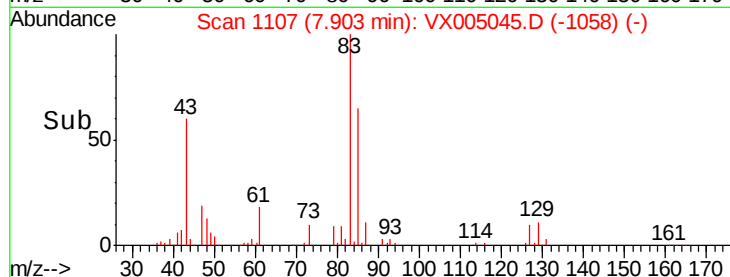
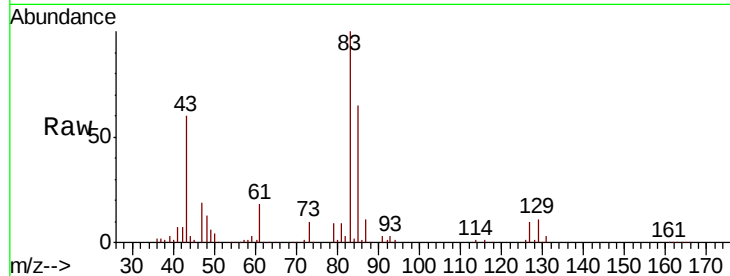
#47
Bromodichloromethane
Concen: 20.677 ug/l
RT: 7.90 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS04

Tot Ion	Ratio	Resp	Lower	Upper
83	100	68721		
85	64.8	51.2	76.8	
127	9.6	7.0	10.6	

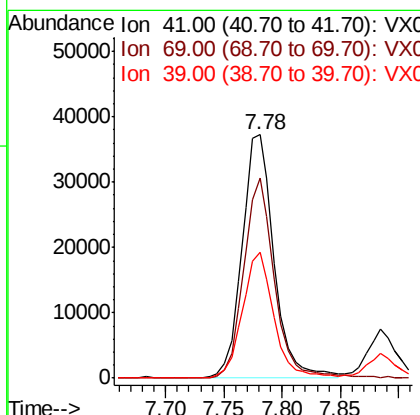
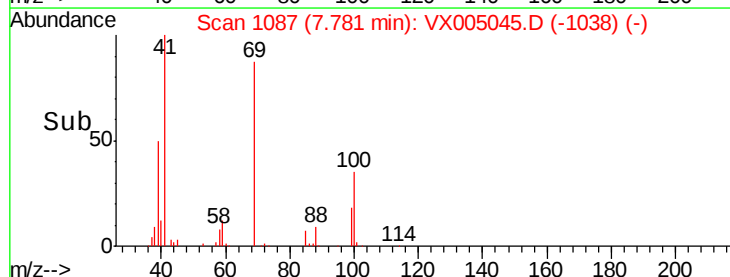
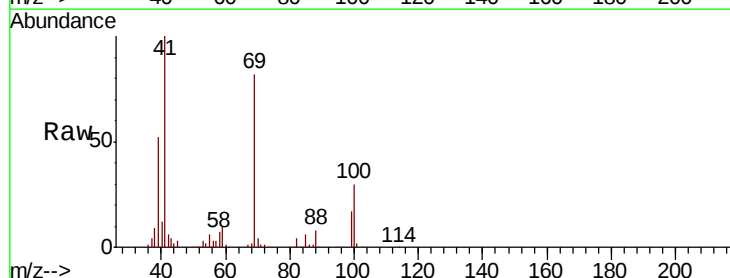
Manual Integrations
APPROVED

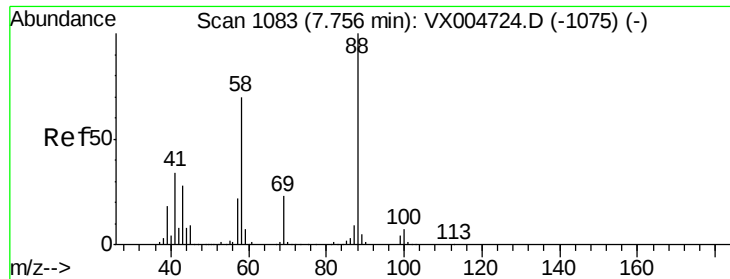
MMDadoda
10/5/2018 3:24:54 PM



#48
Methyl methacrylate
Concen: 22.149 ug/l
RT: 7.78 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	70861		
69	80.1	63.8	95.6	
39	51.1	40.7	61.1	





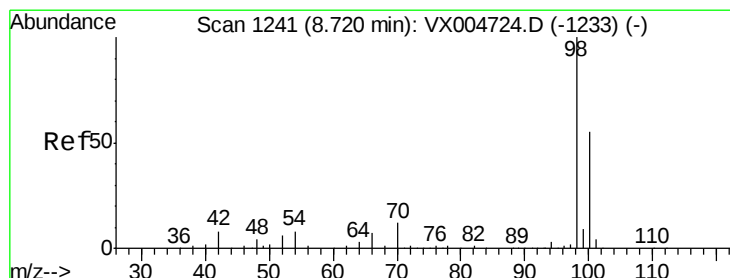
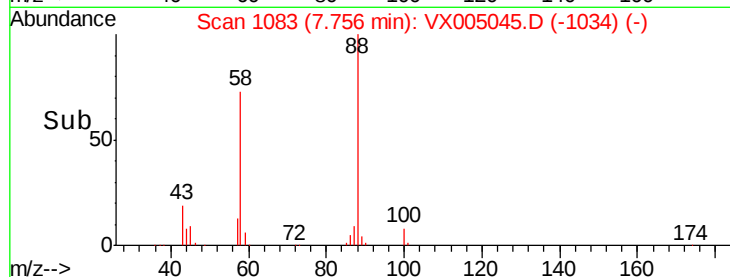
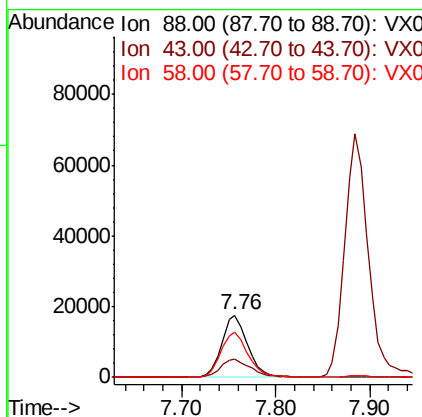
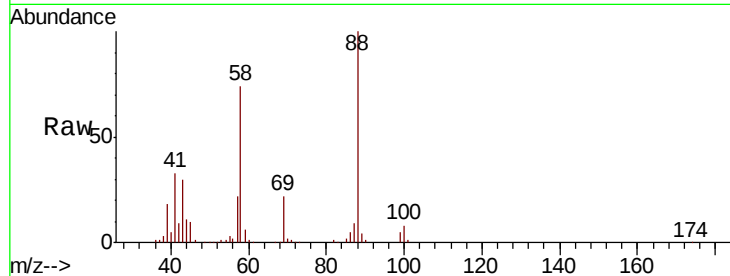
#49
1,4-Dioxane
Concen: 419.329 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS04

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.1	25.1	37.7
58	76.2	56.2	84.2

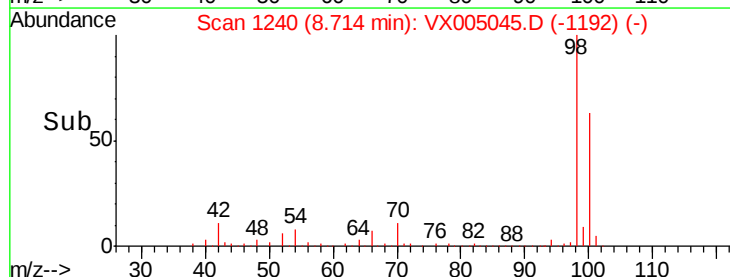
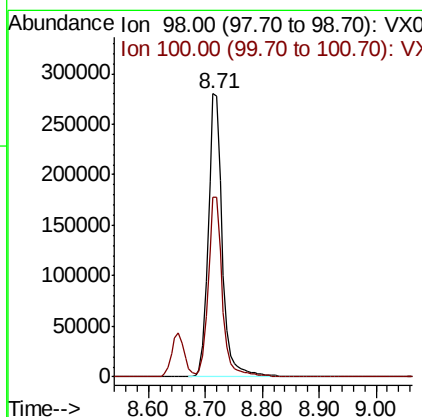
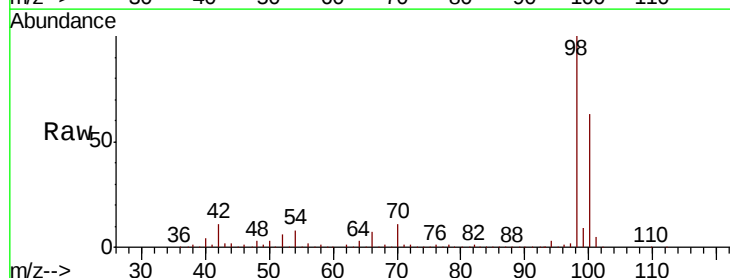
Manual Integrations
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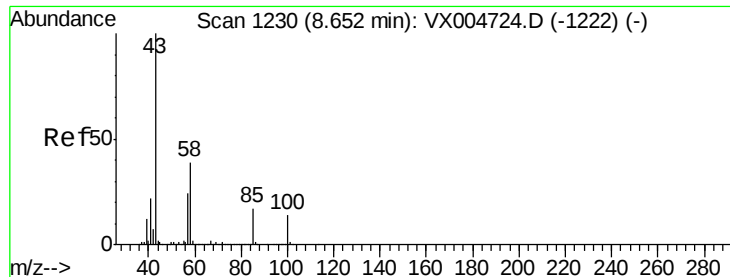
MMDadoda
10/5/2018 3:24:54 PM



#50
Toluene-d8
Concen: 53.697 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.9	77.9





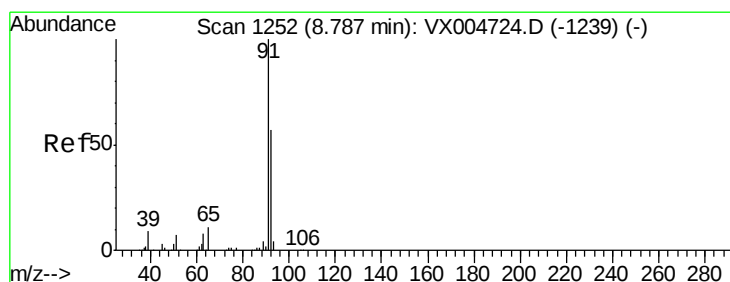
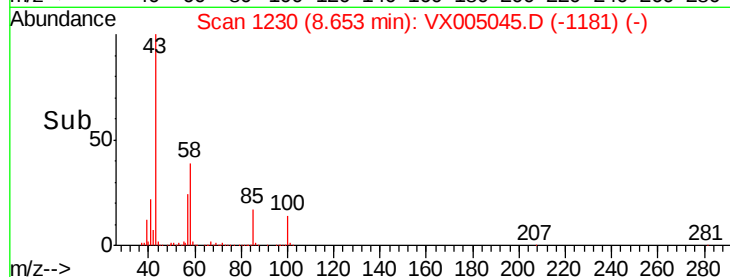
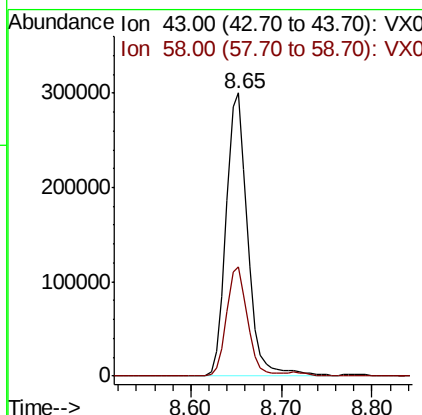
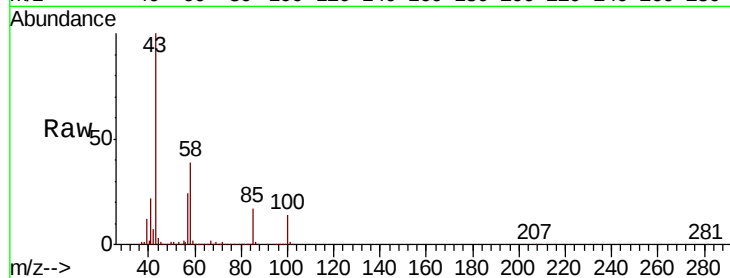
#51
4-Methyl-2-Pentanone
Concen: 112.029 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS04

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.4	30.5	45.7

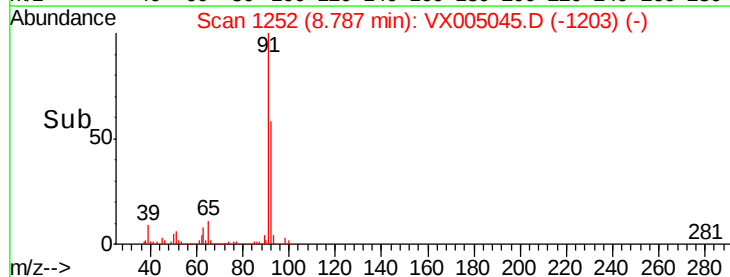
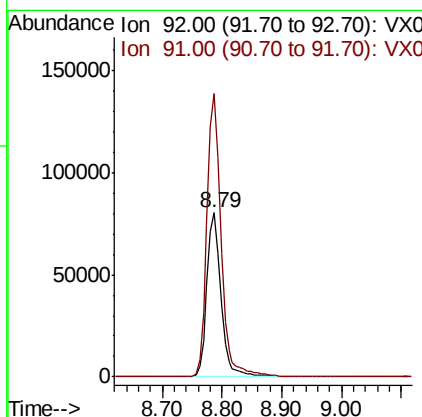
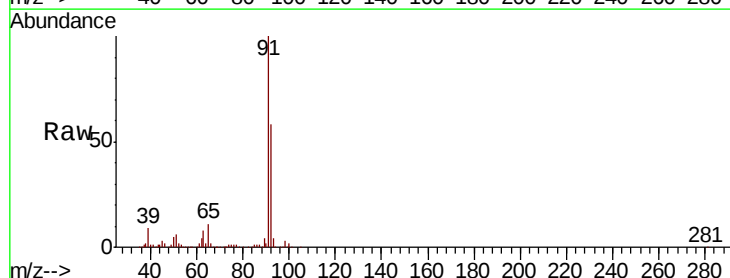
Manual Integrations
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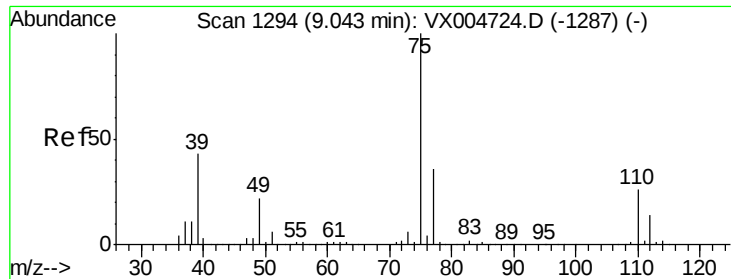
MMDadoda
10/5/2018 3:24:54 PM



#52
Toluene
Concen: 20.845 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.9	136.7	205.1





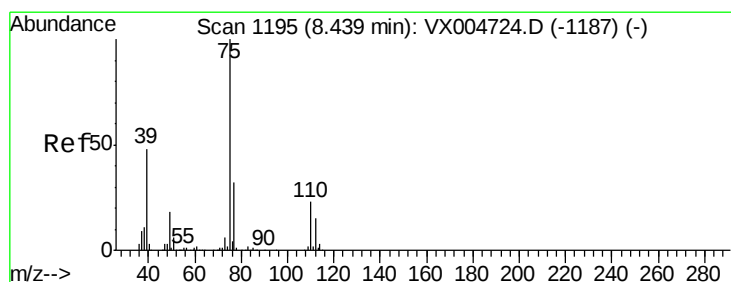
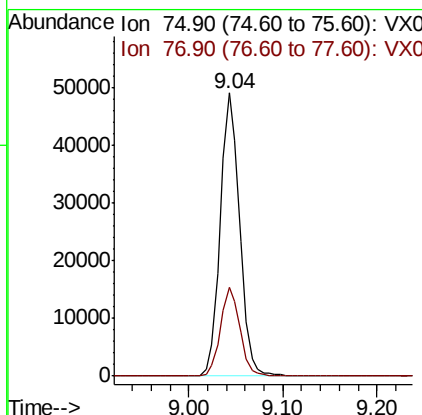
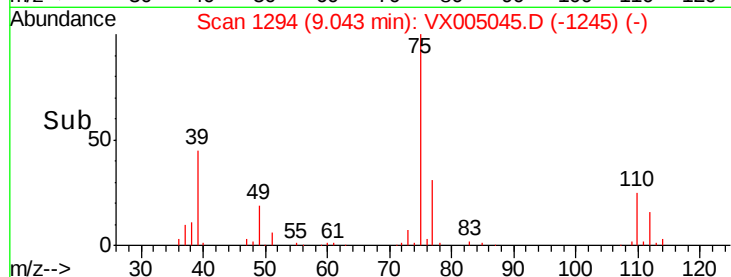
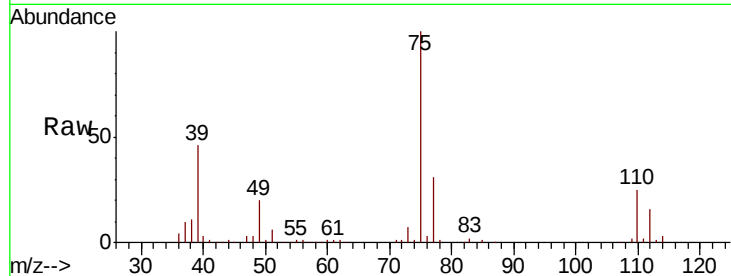
#53
t-1,3-Dichloropropene
Concen: 18.657 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS04

Tot Ion: 75 Resp: 70072
Ion Ratio Lower Upper
75 100
77 31.3 28.9 43.3

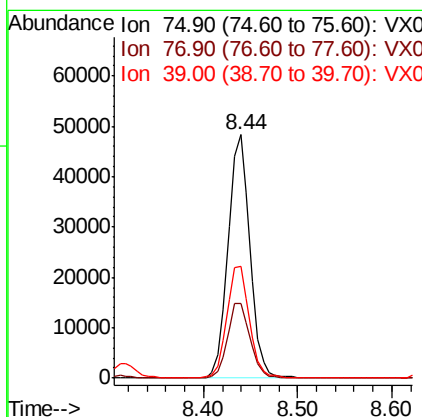
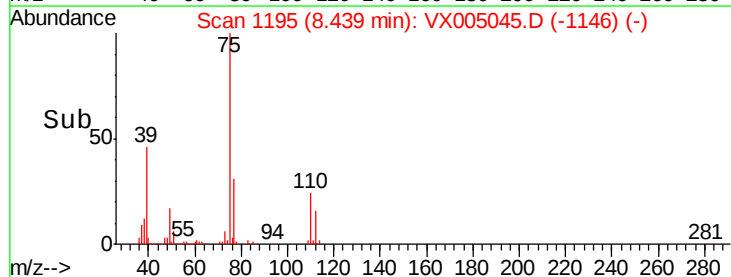
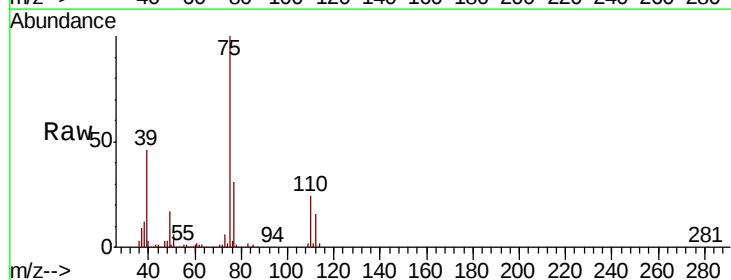
Manual Integrations
APPROVED

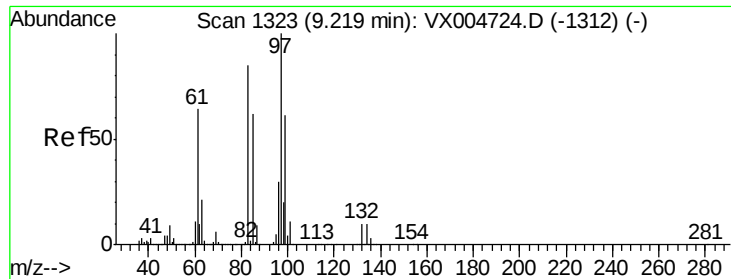
MMDadoda
10/5/2018 3:24:54 PM



#54
cis-1,3-Dichloropropene
Concen: 19.764 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Tgt Ion: 75 Resp: 77750
Ion Ratio Lower Upper
75 100
77 30.7 25.7 38.5
39 45.7 38.3 57.5





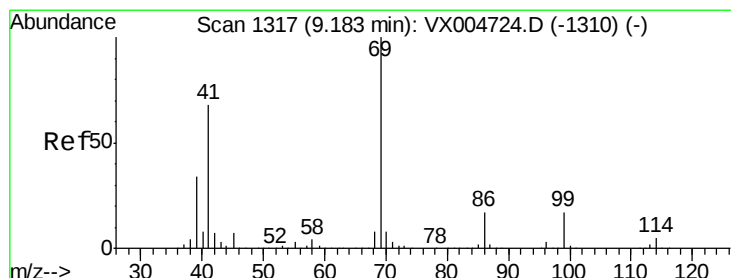
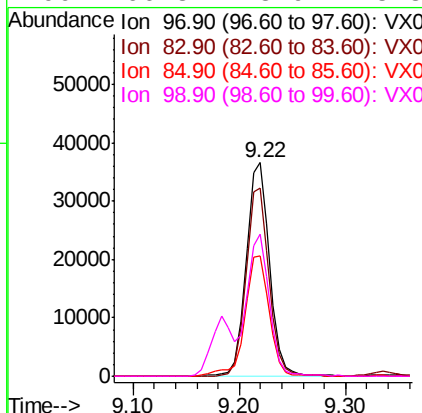
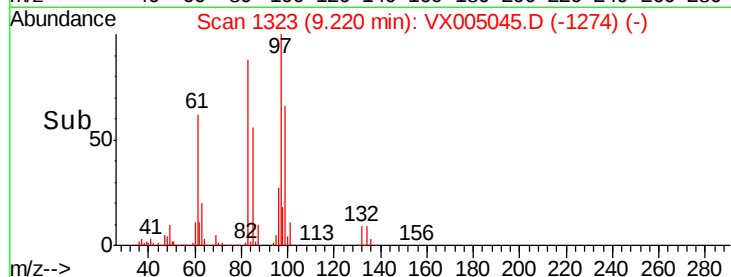
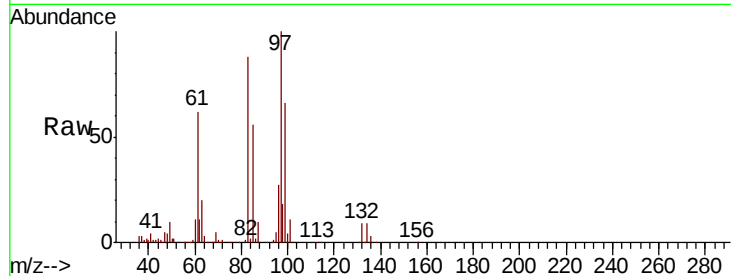
#55
 1,1,2-Trichloroethane
 Concen: 20.215 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX005045.D
 Acq: 05 Oct 2018 04:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBS04

Tot Ion:	97	Resp:	56043
Ion	Ratio	Lower	Upper
97	100		
83	88.4	68.2	102.2
85	56.1	49.9	74.9
99	66.3	48.9	73.3

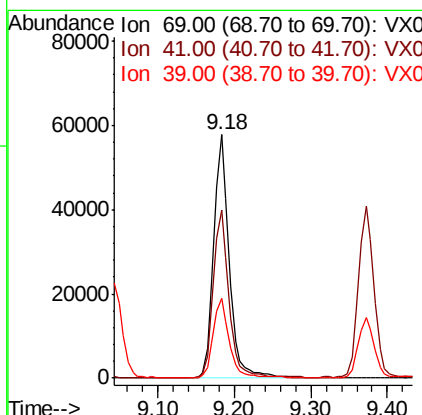
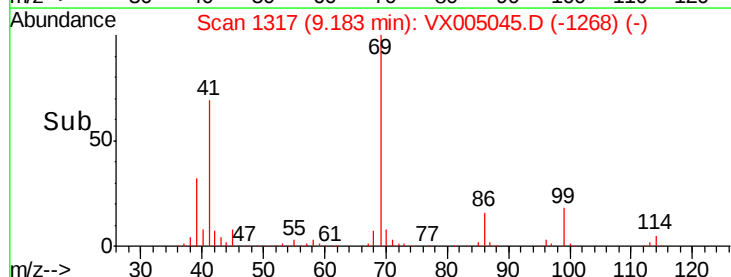
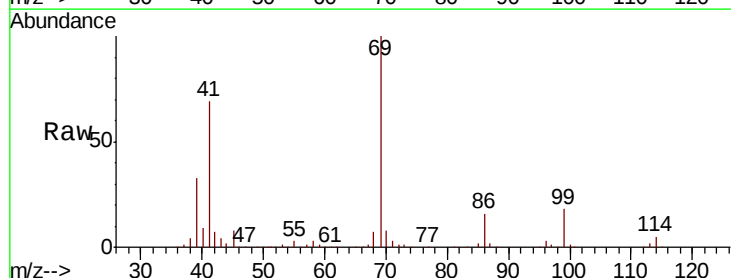
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 20.009 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX005045.D
 Acq: 05 Oct 2018 04:04

Tgt Ion:	69	Resp:	81821
Ion	Ratio	Lower	Upper
69	100		
41	69.9	56.9	85.3
39	33.7	28.4	42.6





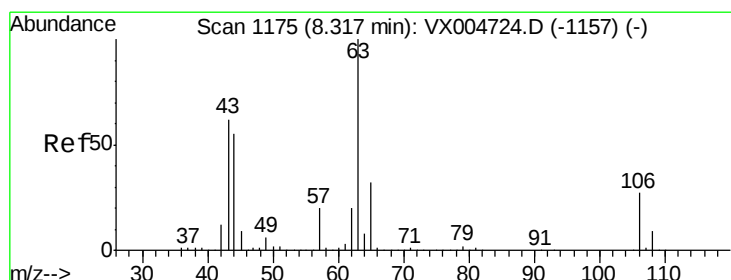
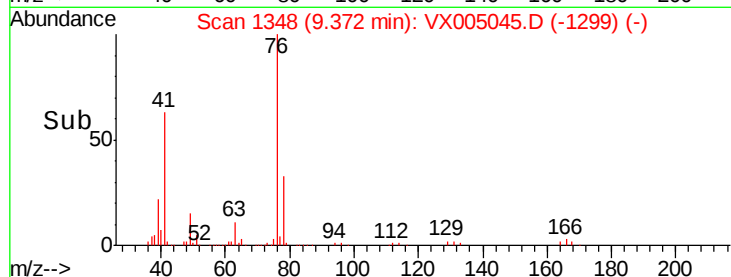
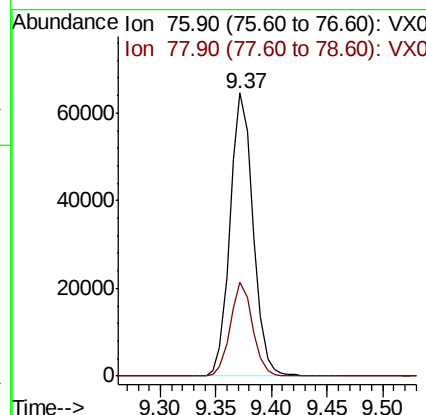
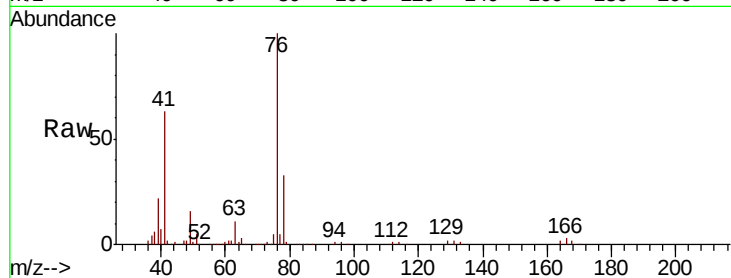
#57
 1,3-Dichloropropane
 Concen: 20.089 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX005045.D
 Acq: 05 Oct 2018 04:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBS04

Tot Ion: 76 Resp: 92690
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.6 40.0

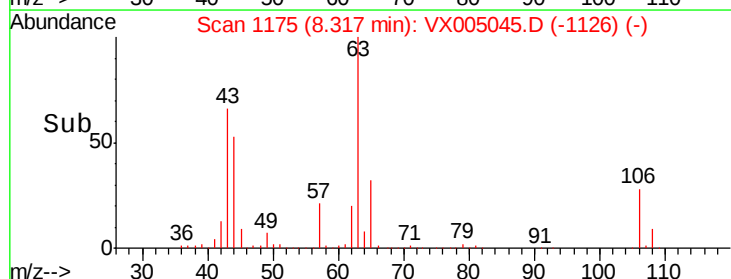
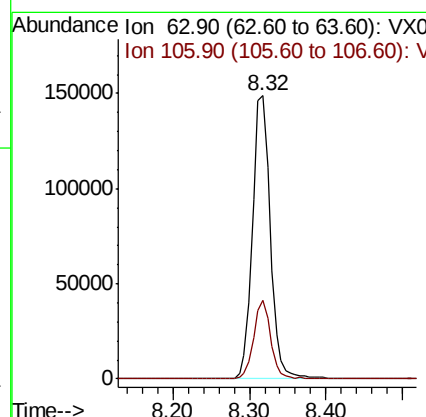
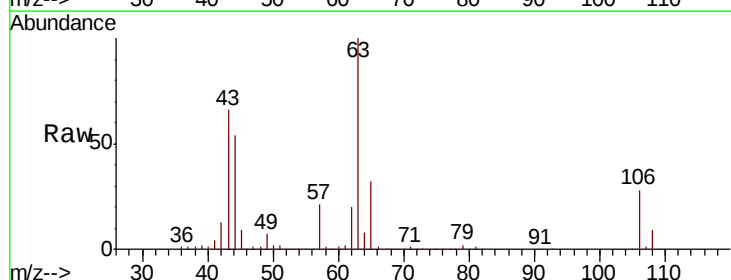
Manual Integrations
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 10/5/2018 3:24:54 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.411 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX005045.D
 Acq: 05 Oct 2018 04:04

Tgt Ion: 63 Resp: 243601
 Ion Ratio Lower Upper
 63 100
 106 26.5 21.0 31.6





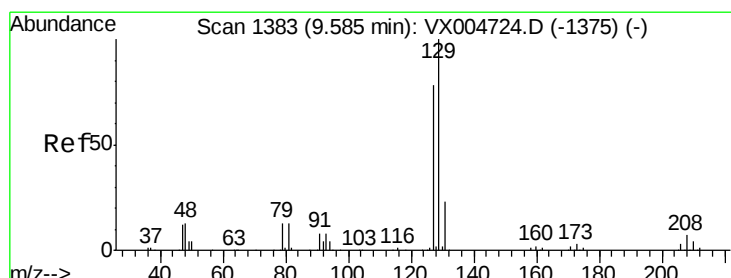
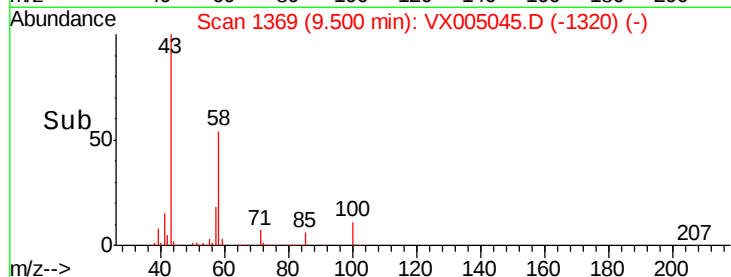
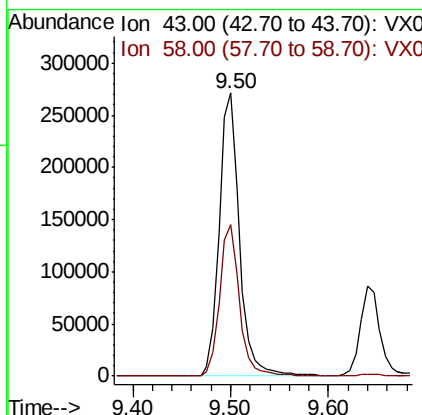
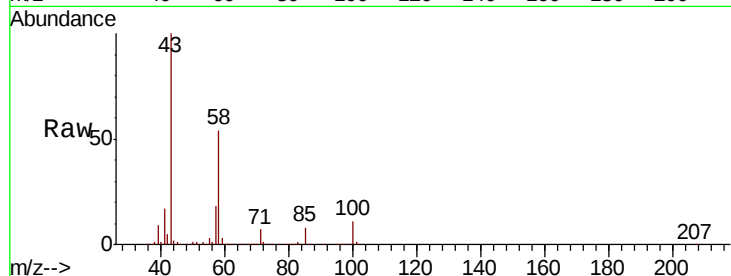
#59
2-Hexanone
Concen: 105.044 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS04

Tot Ion	43	Resp	388501
Ion Ratio	100	Lower	Upper
43	100		
58	52.6	28.4	85.3

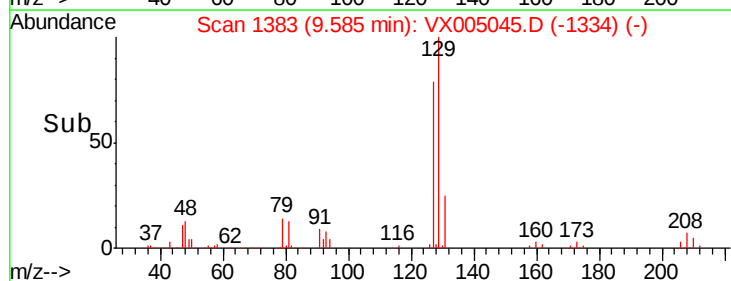
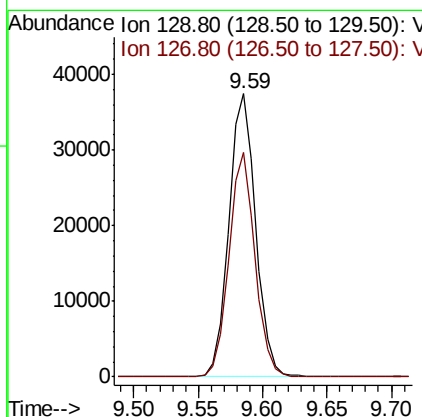
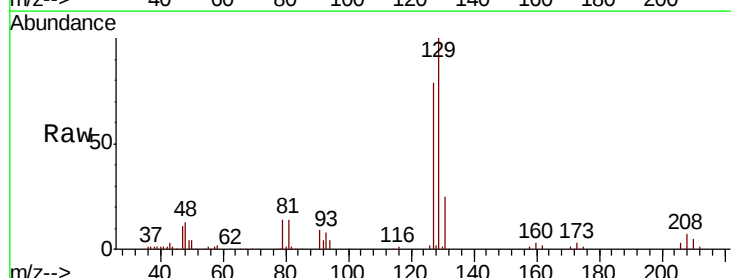
Manual Integrations
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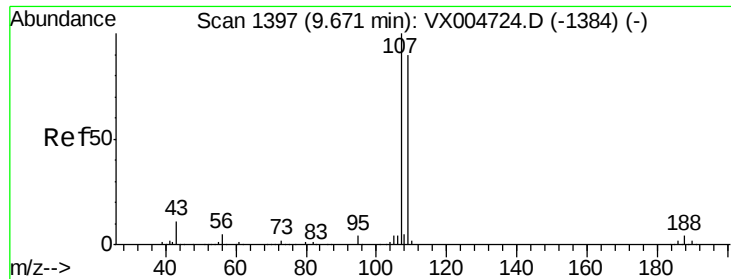
MMDadoda
10/5/2018 3:24:54 PM



#60
Dibromochloromethane
Concen: 19.653 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Tgt Ion	129	Resp	54488
Ion Ratio	100	Lower	Upper
129	100		
127	77.0	39.1	117.2





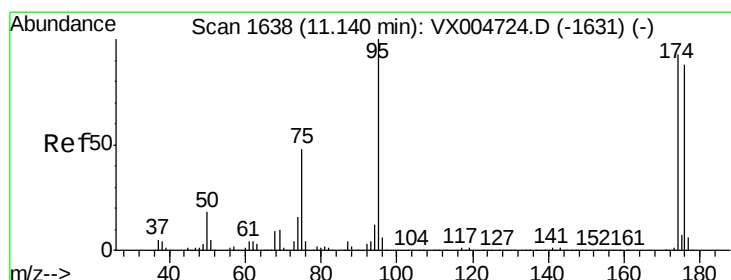
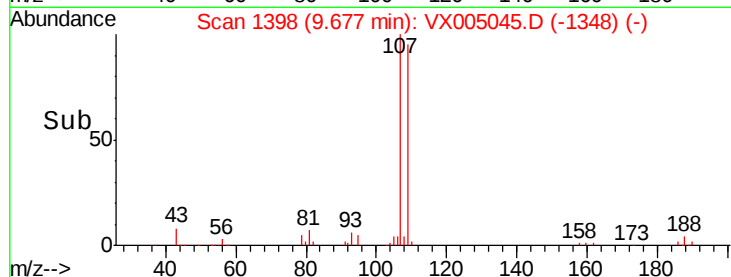
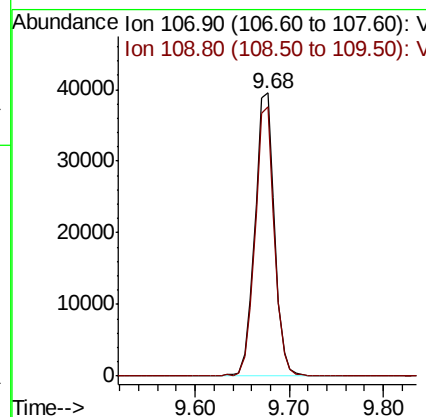
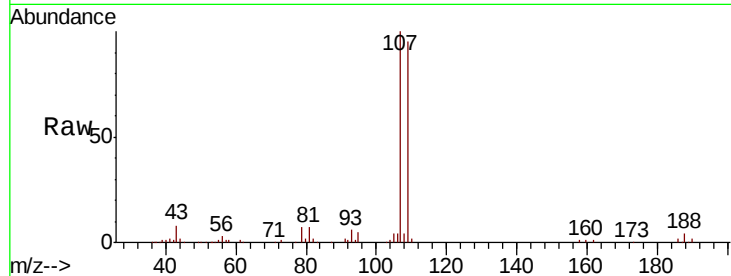
#61
 1,2-Dibromoethane
 Concen: 19.459 ug/l
 RT: 9.68 min Scan# 1398
 Delta R.T. 0.01 min
 Lab File: VX005045.D
 Acq: 05 Oct 2018 04:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBS04

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	72.1	108.1

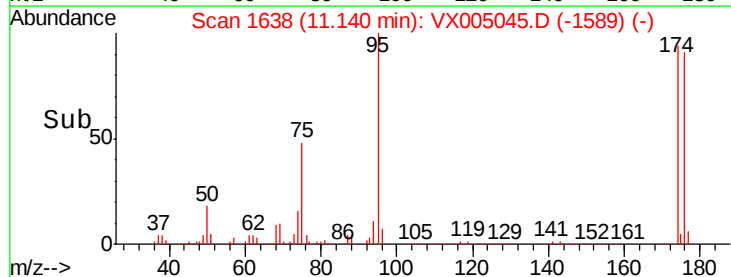
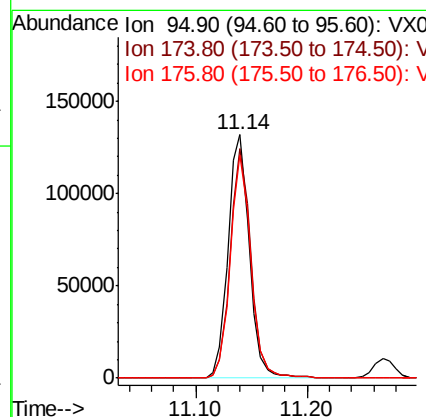
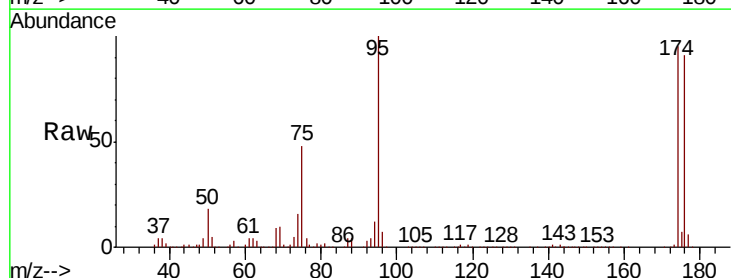
Manual Integrations
 APPROVED

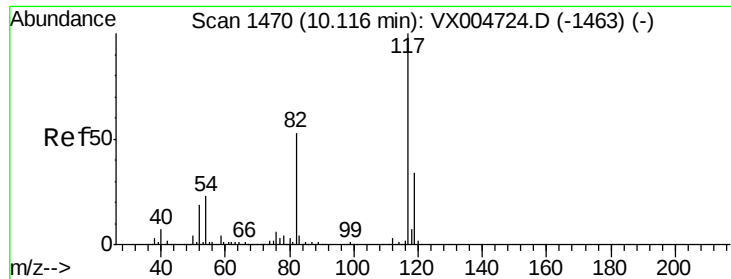
MMDadoda
 10/5/2018 3:24:54 PM



#62
 4-Bromofluorobenzene
 Concen: 53.929 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VX005045.D
 Acq: 05 Oct 2018 04:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.1	0.0	185.0
176	89.0	0.0	180.2





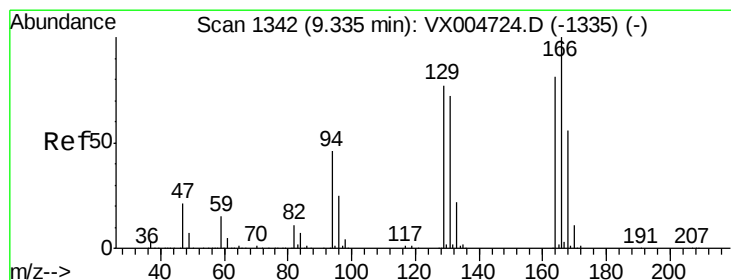
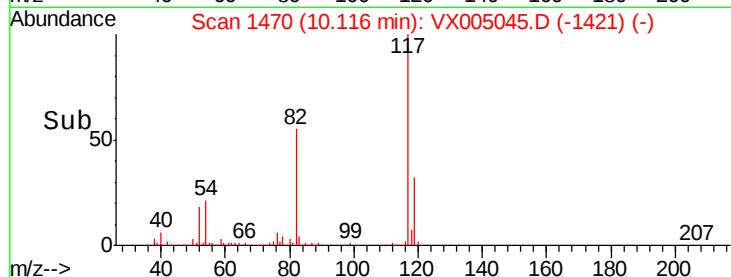
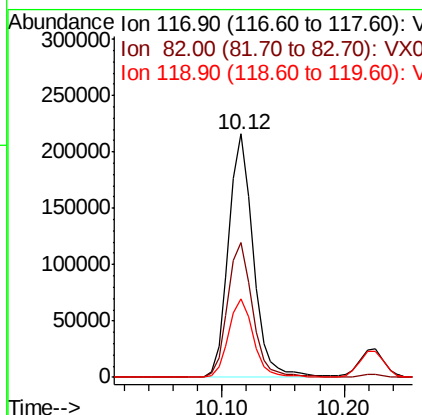
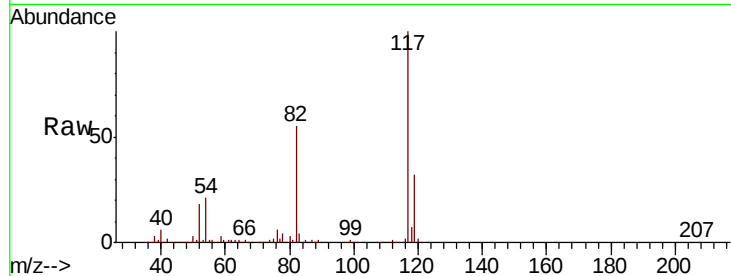
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS04

Tot Ion	Ratio	Resp	Lower	Upper
117	100	302748		
82	55.1	42.2	63.4	
119	32.3	27.4	41.0	

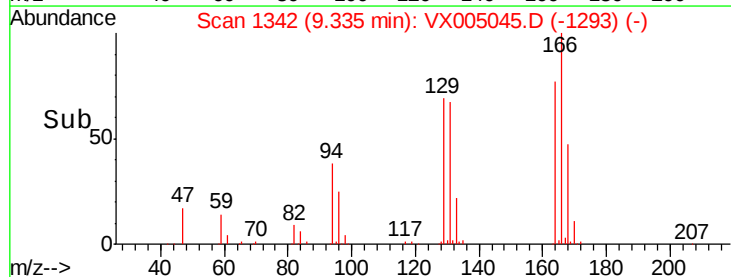
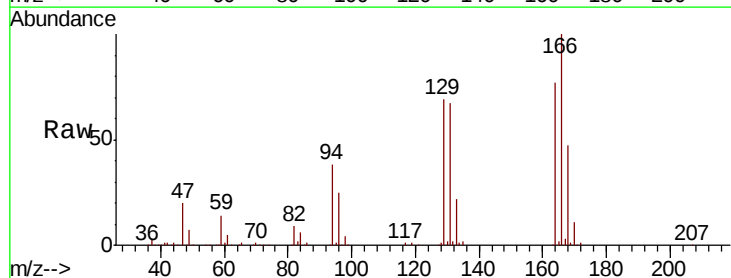
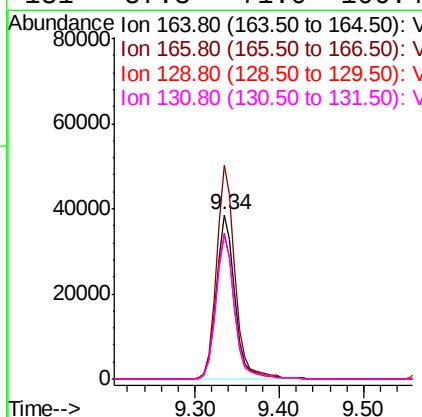
Manual Integrations
APPROVED

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#64
Tetrachloroethene
Concen: 19.804 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	59009		
166	130.2	98.4	147.6	
129	89.2	76.1	114.1	
131	87.3	71.0	106.4	





#65

Chlorobenzene

Concen: 18.847 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Instrument :

MSVOA_X

ClientSampled :

VX1004WBS04

Tot Ion:112 Resp: 146318

Ion Ratio Lower Upper

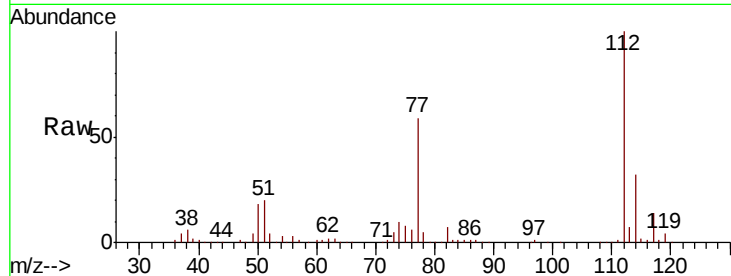
112 100

114 31.9 26.7 40.1

Manual Integrations
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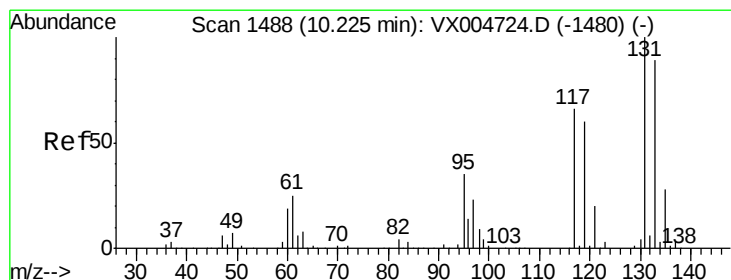
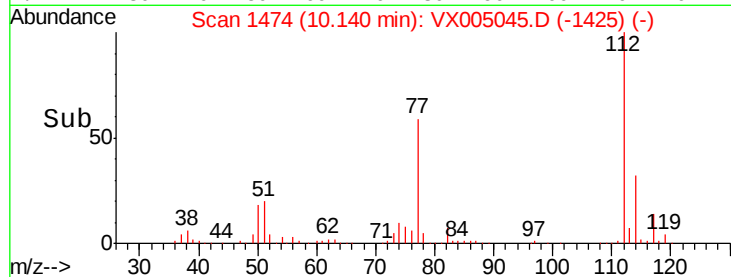
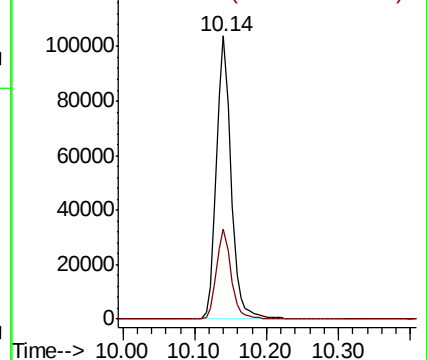
MMDadoda

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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: 19.137 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

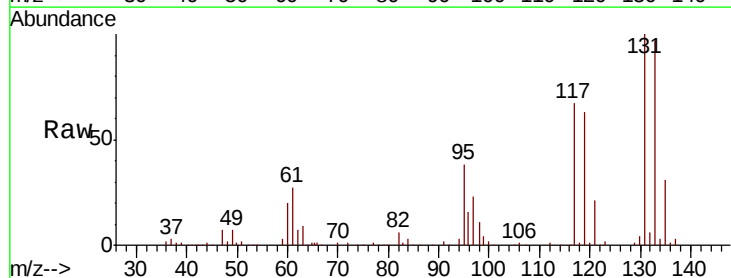
Tgt Ion:131 Resp: 52229

Ion Ratio Lower Upper

131 100

133 97.1 48.4 145.0

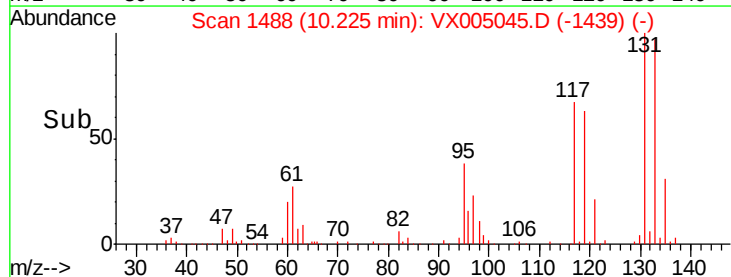
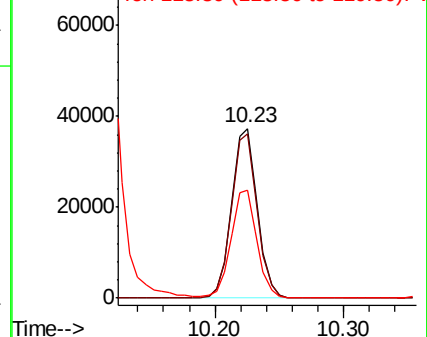
119 64.6 32.3 96.8

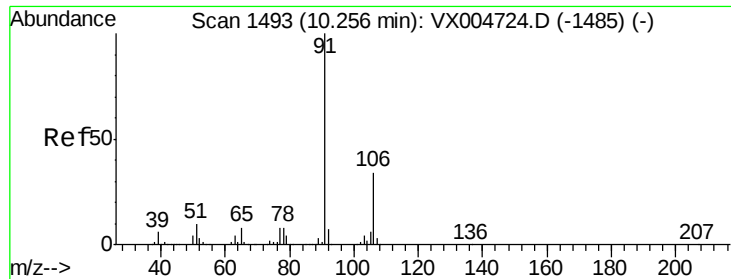


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.240 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBS04

Tot Ion: 91 Resp: 237142

Ion Ratio Lower Upper

91 100

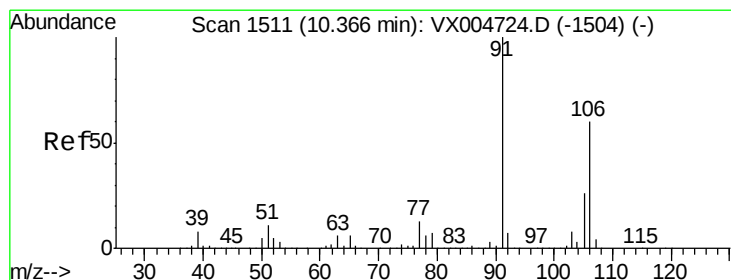
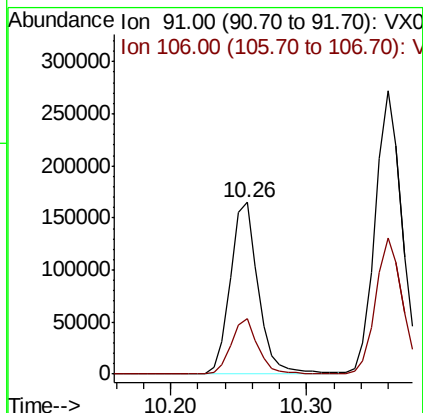
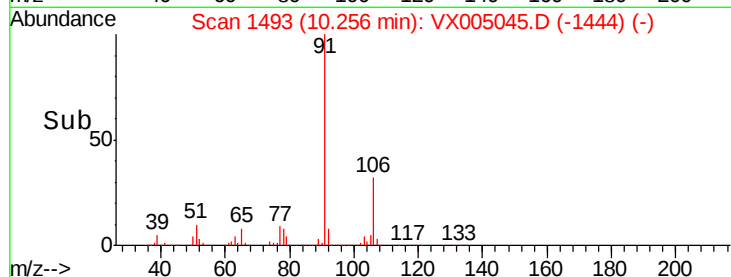
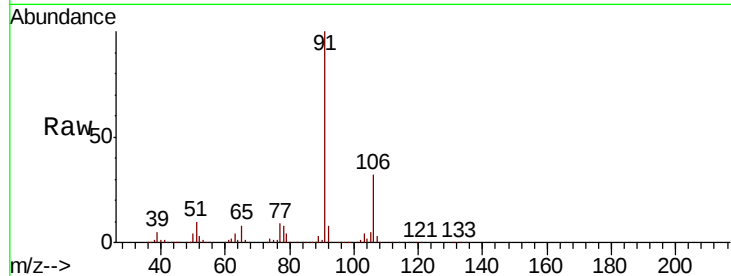
106 32.0 26.9 40.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 38.596 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VX005045.D

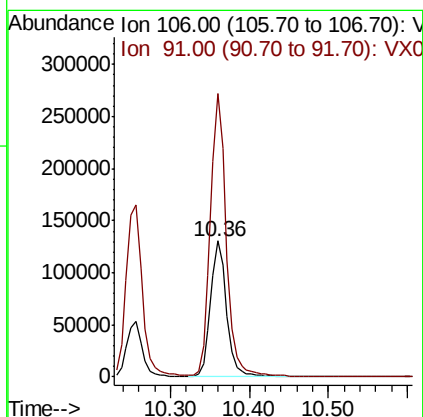
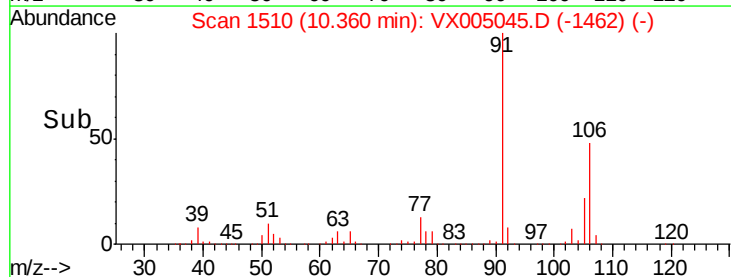
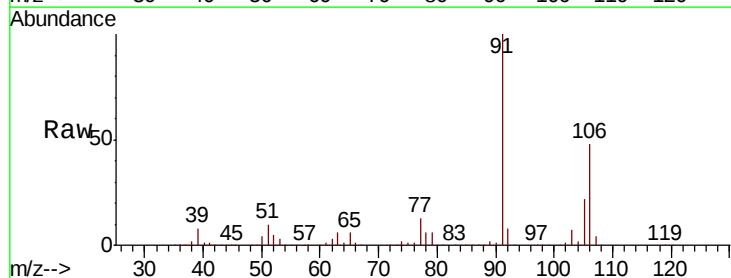
Acq: 05 Oct 2018 04:04

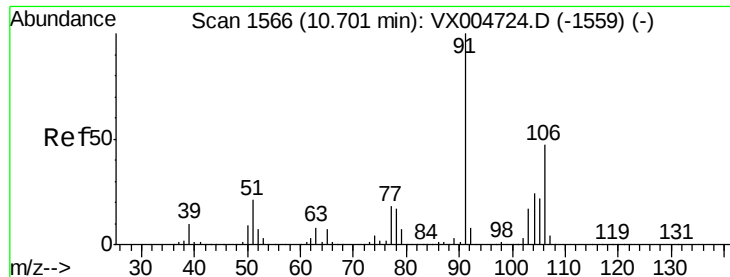
Tgt Ion: 106 Resp: 185894

Ion Ratio Lower Upper

106 100

91 206.8 157.5 236.3





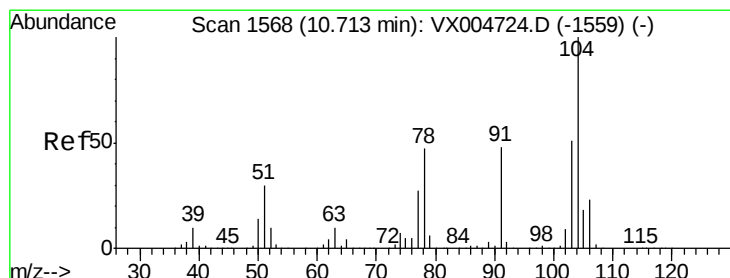
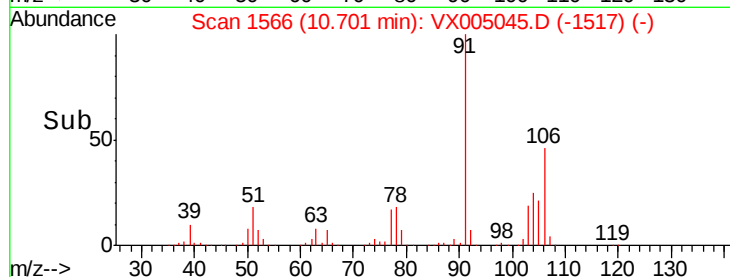
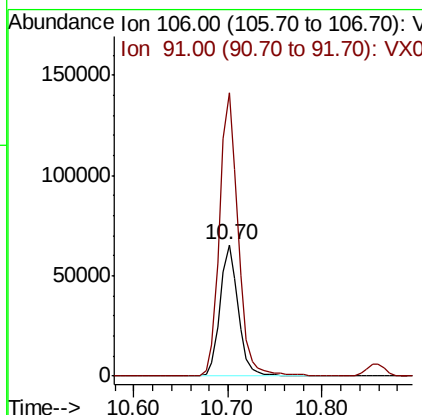
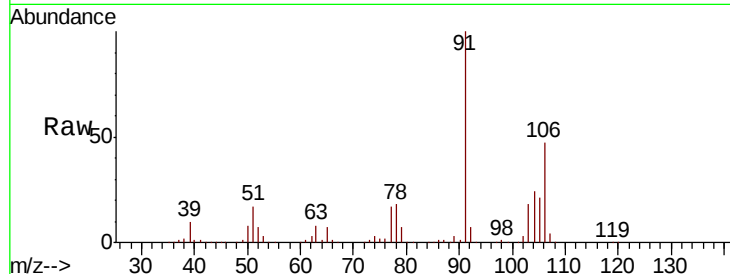
#69
o-Xylene
Concen: 20.036 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS04

Tot Ion:106 Resp: 88633
Ion Ratio Lower Upper
106 100
91 218.7 108.3 324.8

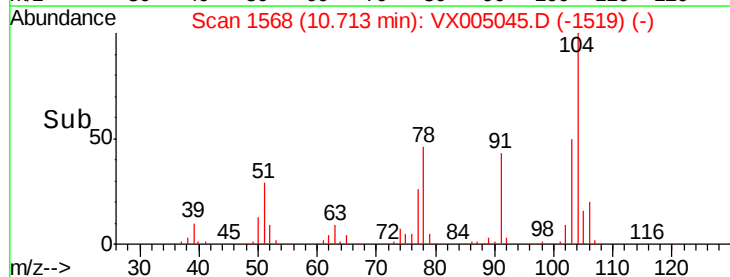
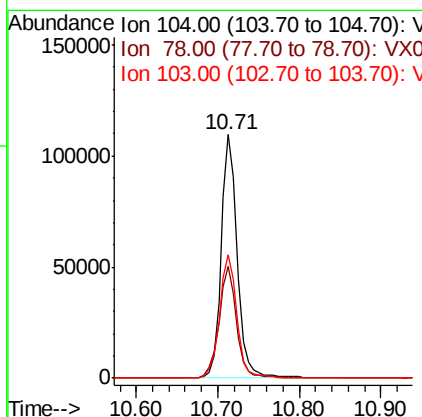
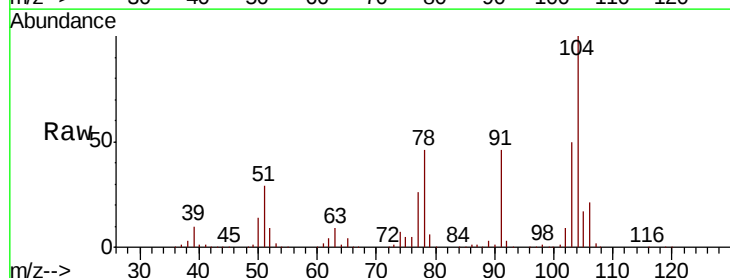
Manual Integrations
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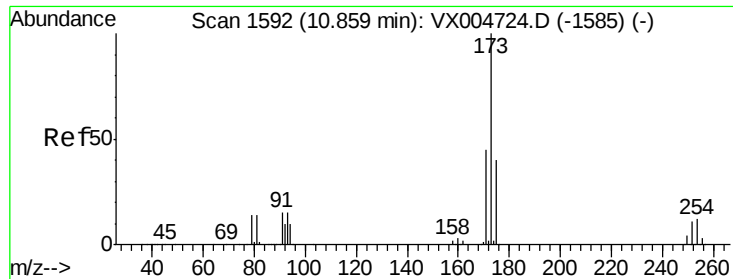
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#70
Styrene
Concen: 19.561 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Tgt Ion:104 Resp: 150578
Ion Ratio Lower Upper
104 100
78 50.4 40.0 60.0
103 55.5 44.3 66.5





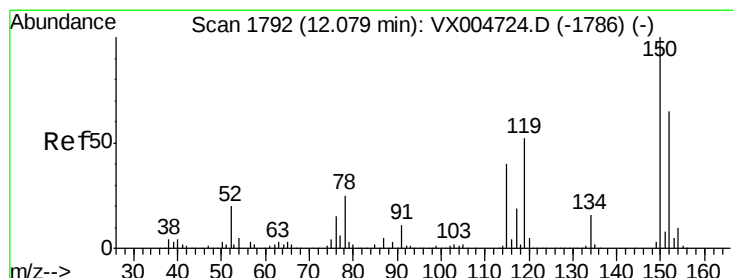
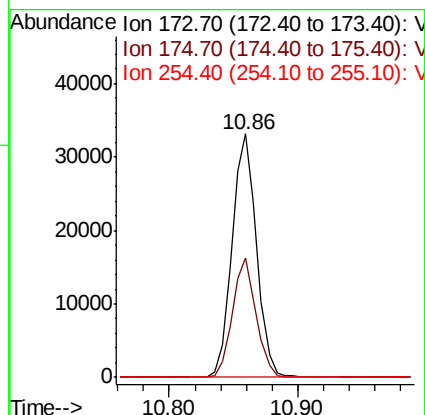
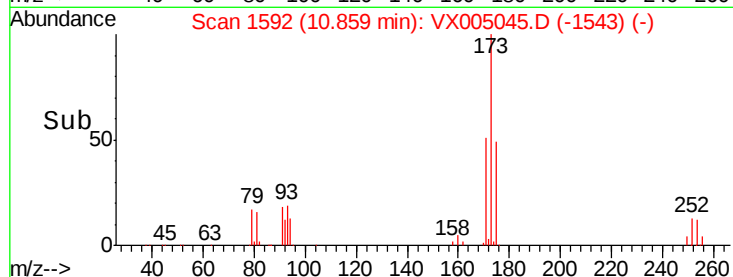
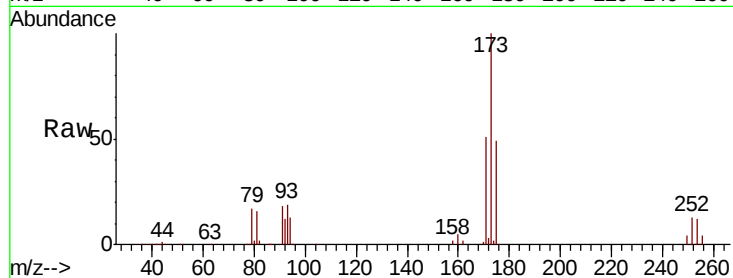
#71
Bromoform
Concen: 18.821 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS04

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.2	23.3	69.8
254	0.2	0.2	0.2

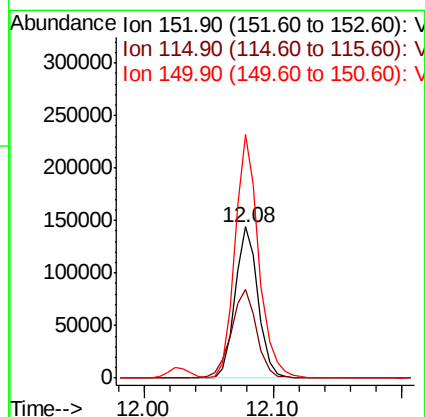
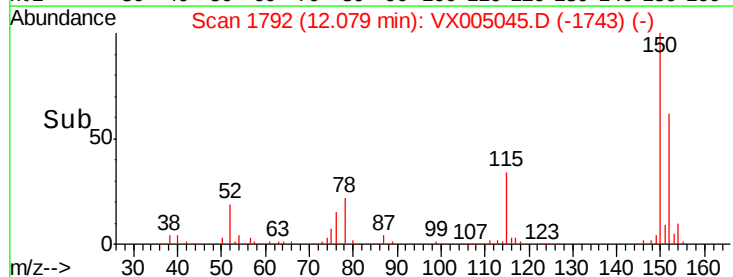
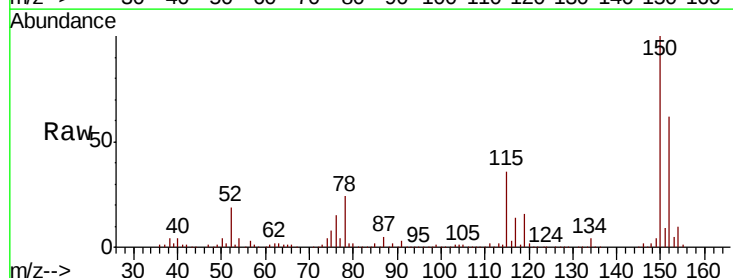
Manual Integrations
APPROVED

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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: VX005045.D
Acq: 05 Oct 2018 04:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.5	40.2	120.6
150	165.7	0.0	351.0





#73

Isopropylbenzene

Concen: 21.300 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBS04

Tot Ion: 105 Resp: 240331

Ion Ratio Lower Upper

105 100

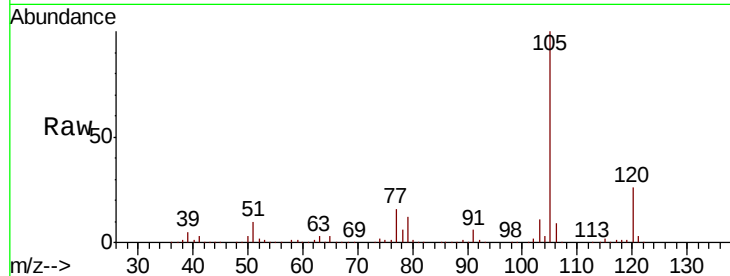
120 26.5 13.2 39.5

Manual Integrations

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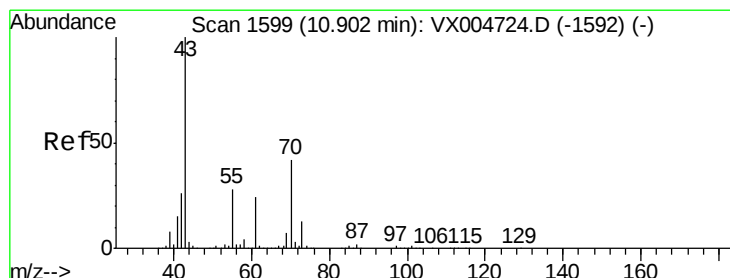
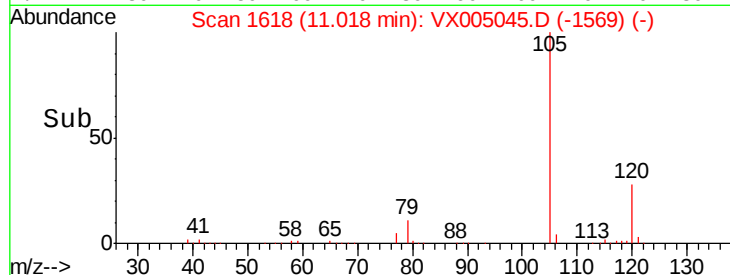
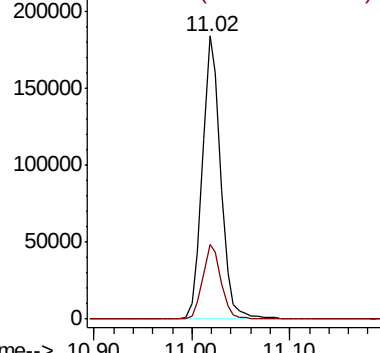
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.371 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Tgt Ion: 43 Resp: 113252

Ion Ratio Lower Upper

43 100

70 40.9 32.6 48.8

55 26.3 21.6 32.4

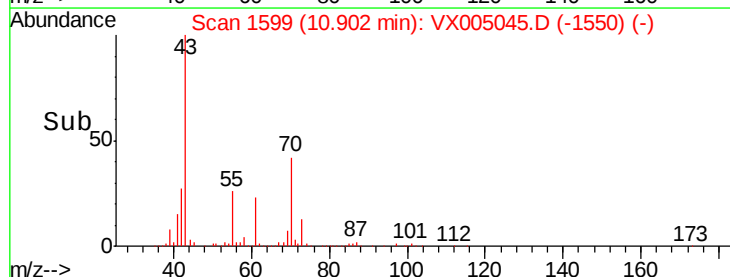
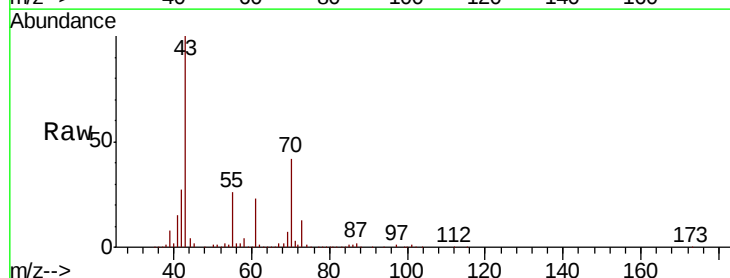
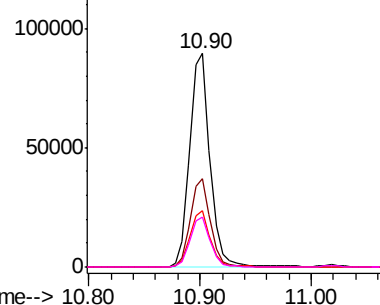
61 23.5 19.1 28.7

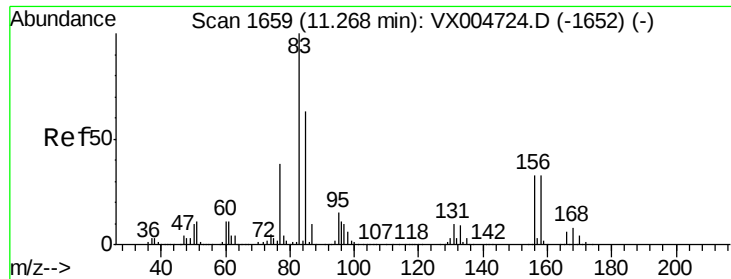
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 19.604 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Instrument :

MSVOA_X

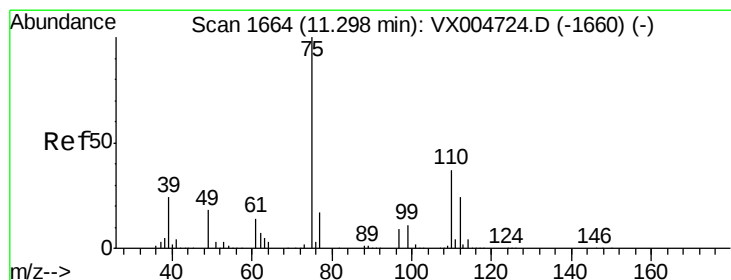
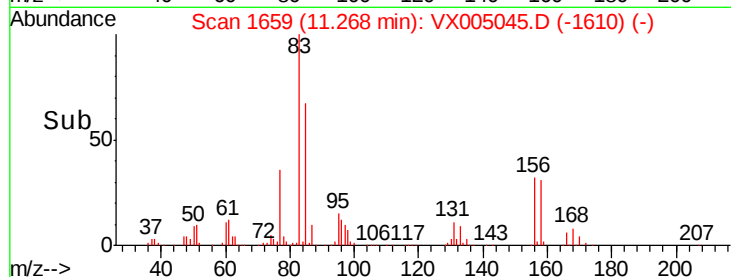
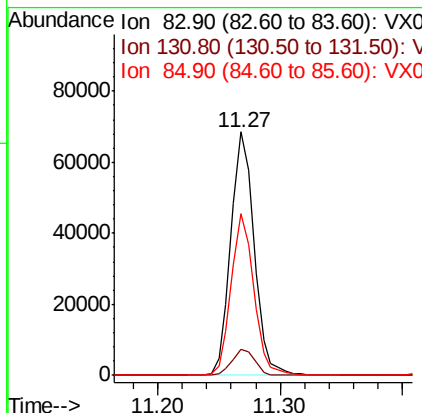
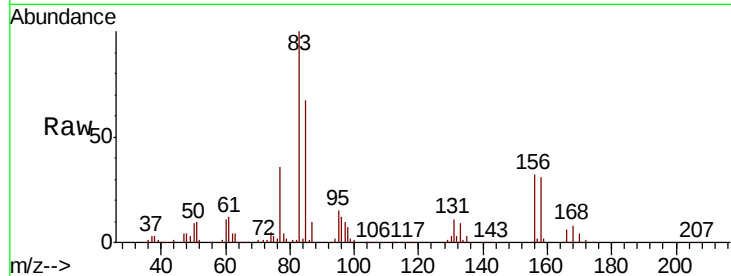
ClientSampleId :

VX1004WBS04

Tot Ion:	83	Resp:	90041
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.1	15.3
85	64.6	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.319 ug/l m

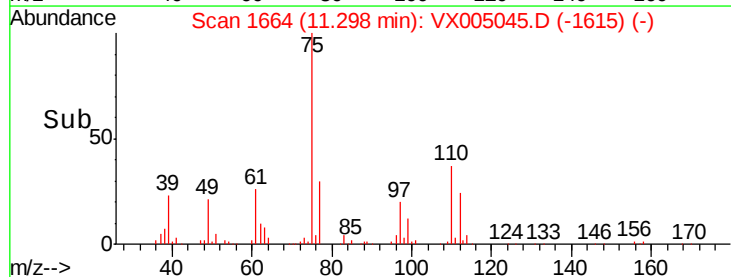
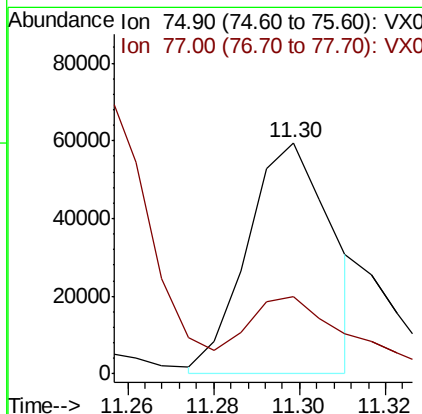
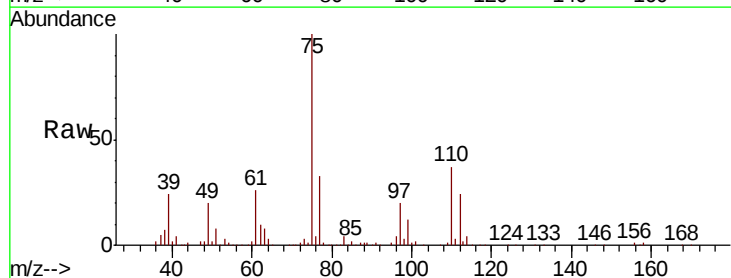
RT: 11.30 min Scan# 1664

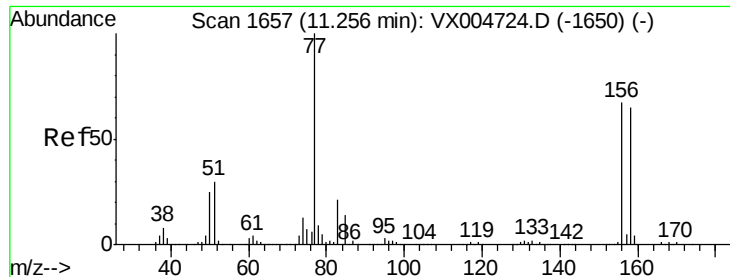
Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Tgt Ion:	75	Resp:	81522
Ion Ratio	Lower	Upper	
75	100		
77	40.3	21.4	64.3





#77

Bromobenzene

Concen: 20.437 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBS04

Tot Ion:156 Resp: 66975

Ion Ratio Lower Upper

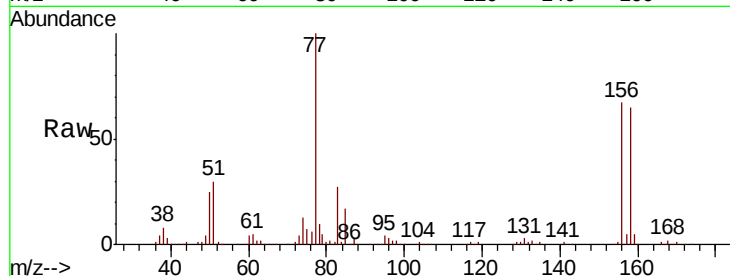
156 100

77 147.1 73.4 220.2

158 96.7 49.1 147.4

Manual Integrations
APPROVED

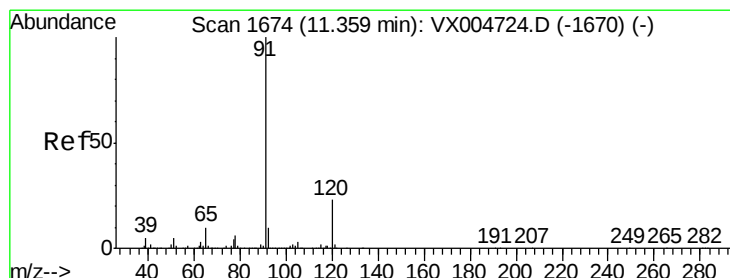
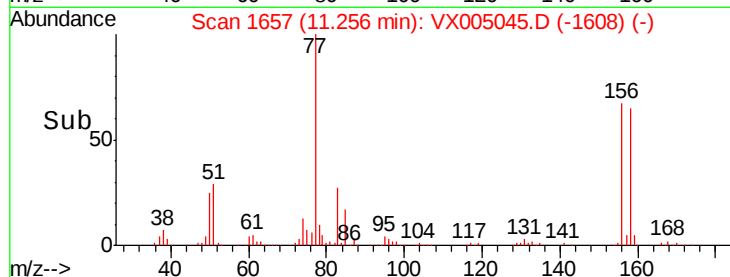
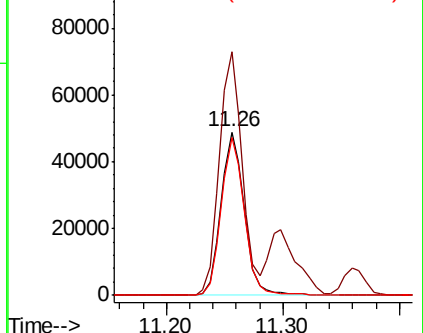
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.008 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005045.D

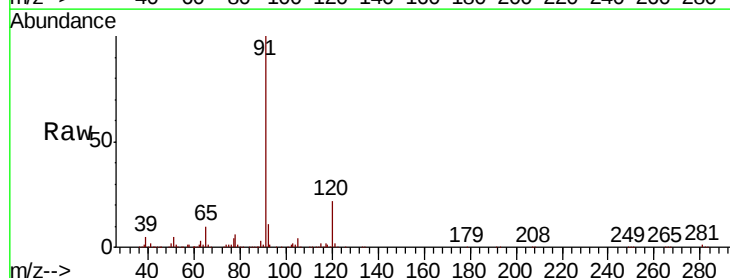
Acq: 05 Oct 2018 04:04

Tgt Ion: 91 Resp: 271972

Ion Ratio Lower Upper

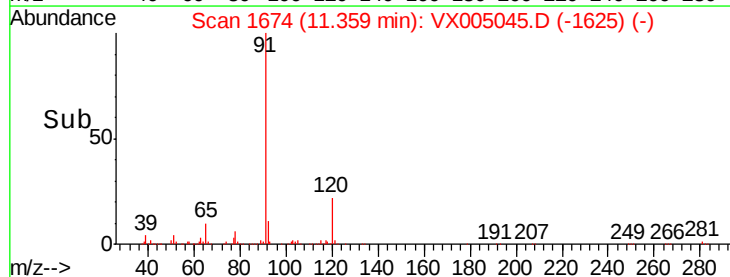
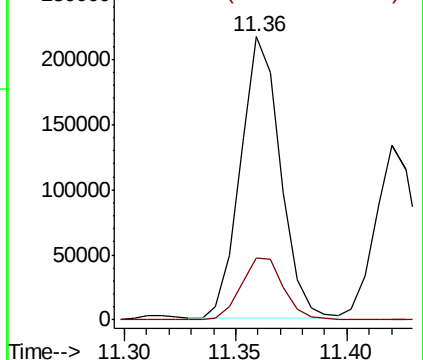
91 100

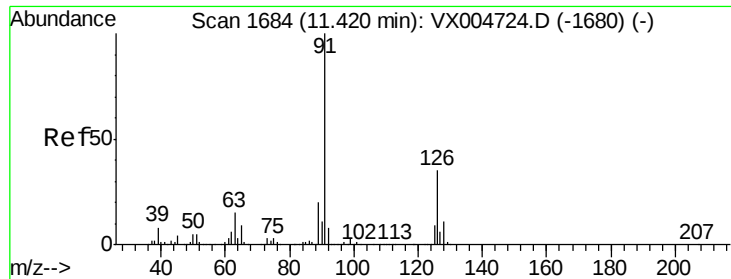
120 23.5 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.092 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Instrument :

MSVOA_X

ClientSampled :

VX1004WBS04

Tot Ion: 91 Resp: 170200

Ion Ratio Lower Upper

91 100

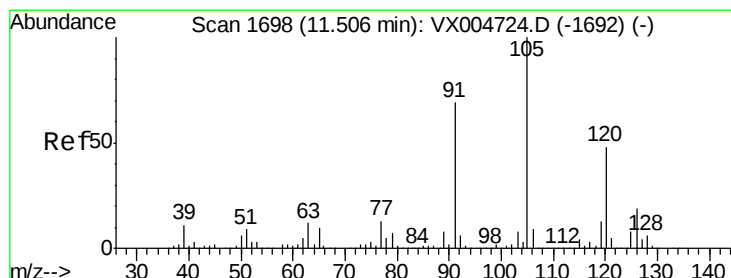
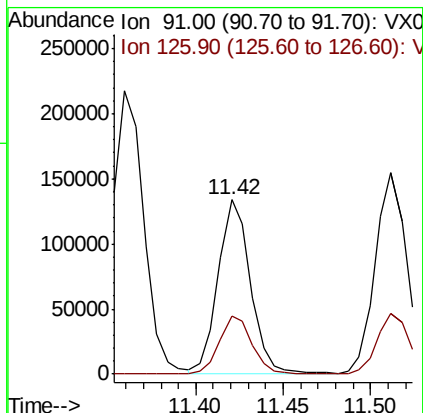
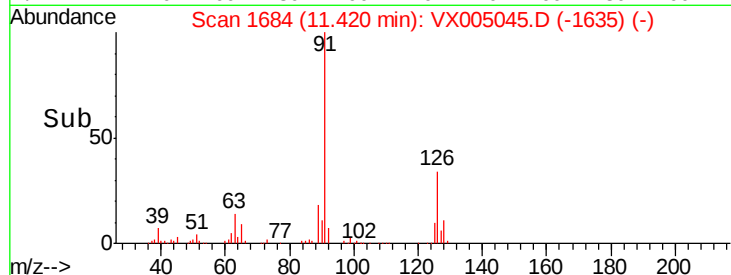
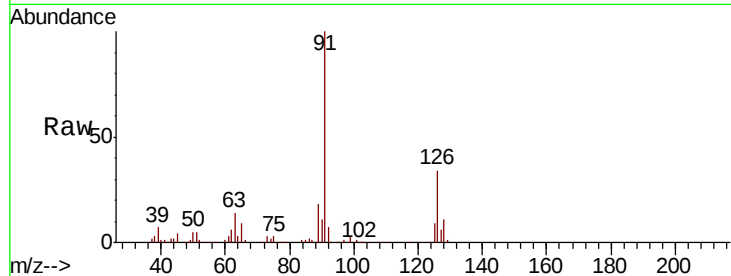
126 34.8 17.6 52.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.632 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX005045.D

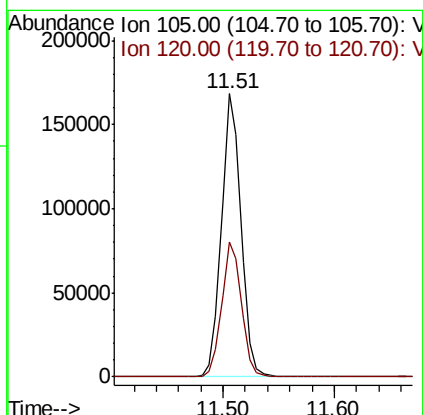
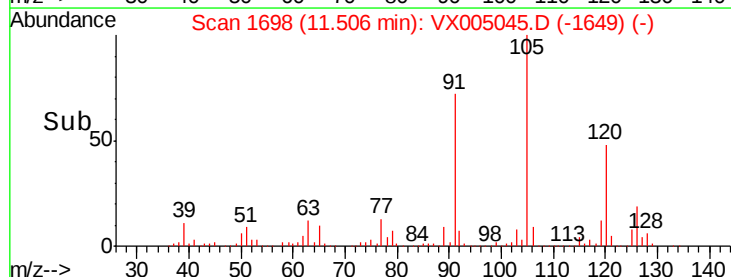
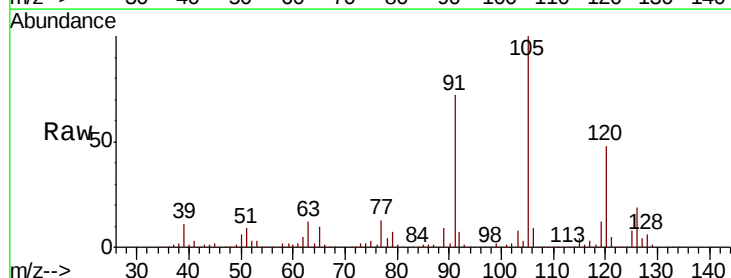
Acq: 05 Oct 2018 04:04

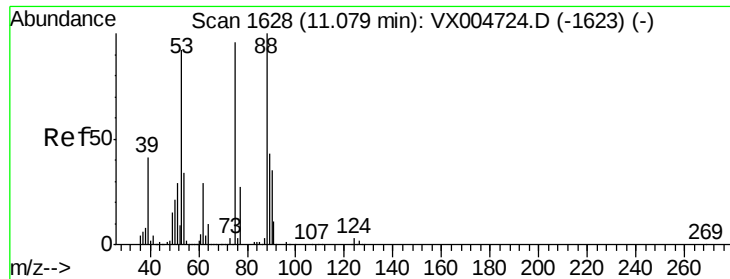
Tgt Ion: 105 Resp: 204261

Ion Ratio Lower Upper

105 100

120 48.1 24.3 72.8





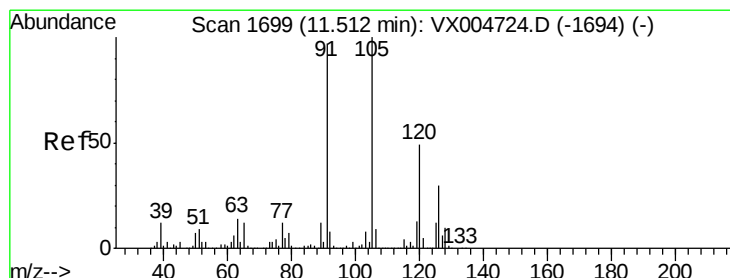
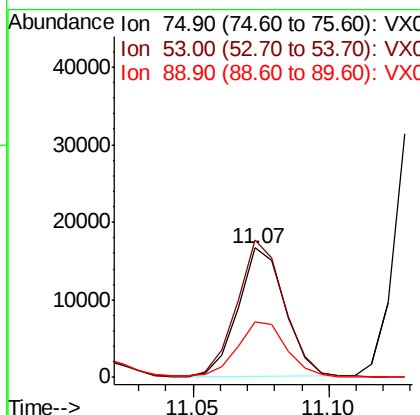
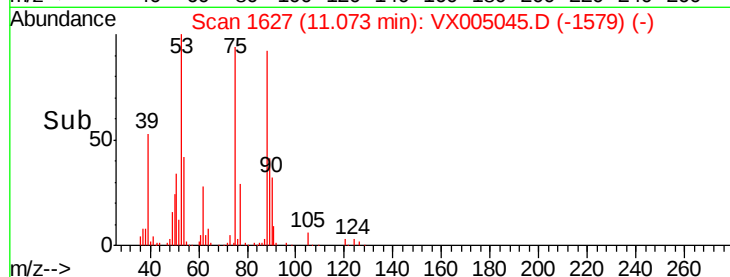
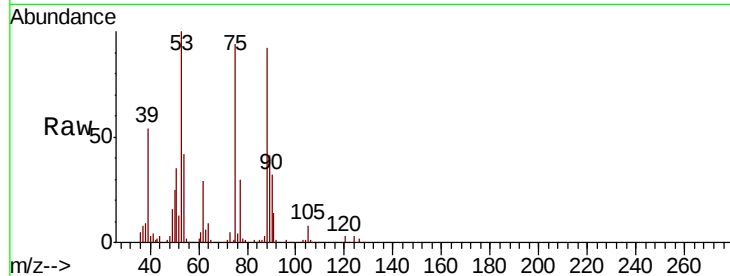
#81
trans-1,4-Dichloro-2-butene
Concen: 14.961 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.01 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS04

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.7	80.2	120.4
89	45.9	37.1	55.7

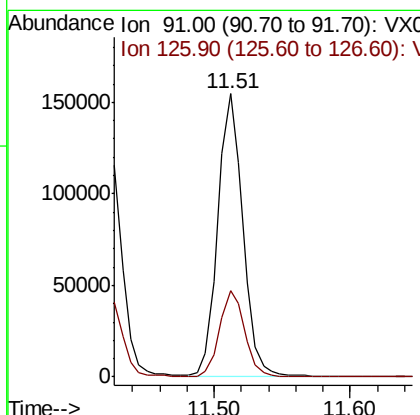
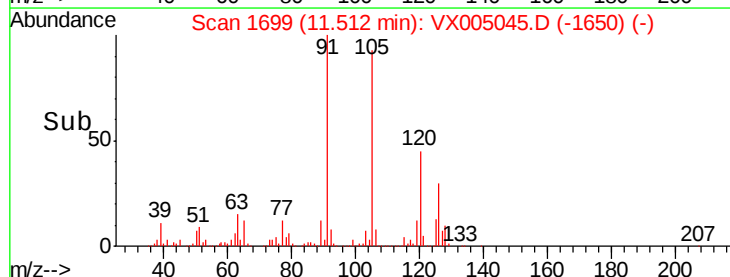
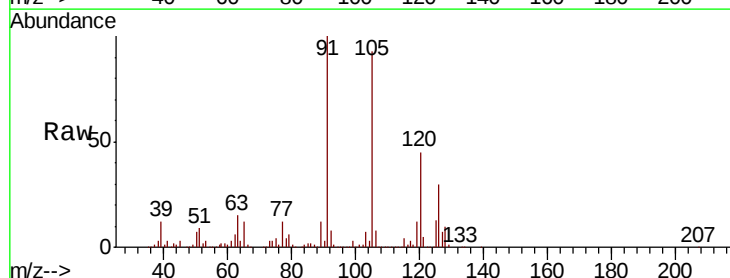
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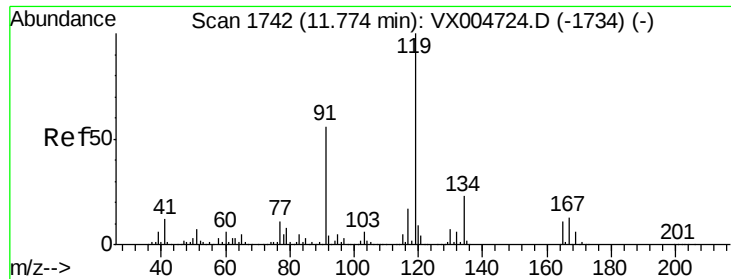
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.811 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.5	46.5





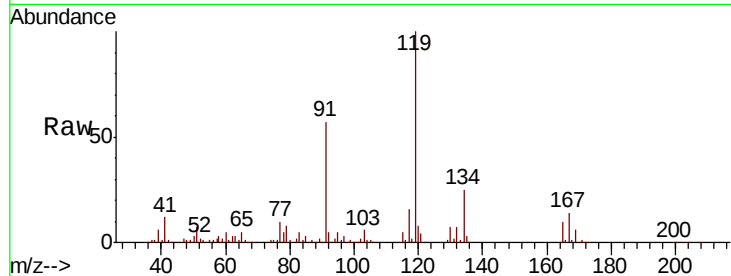
#83
 tert-Butylbenzene
 Concen: 21.080 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX005045.D
 Acq: 05 Oct 2018 04:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBS04

Tot Ion	Ratio	Resp	Lower	Upper
119	100	195828		
91	57.1		27.5	82.5
134	23.3		11.5	34.4

Manual Integrations
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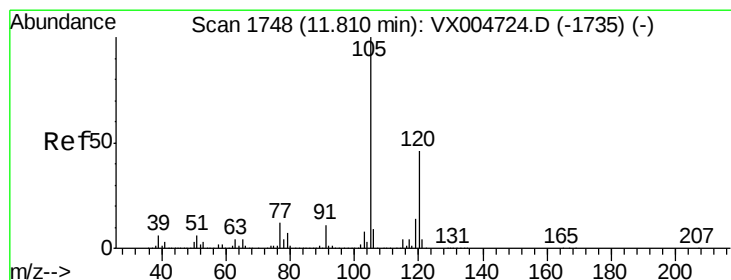
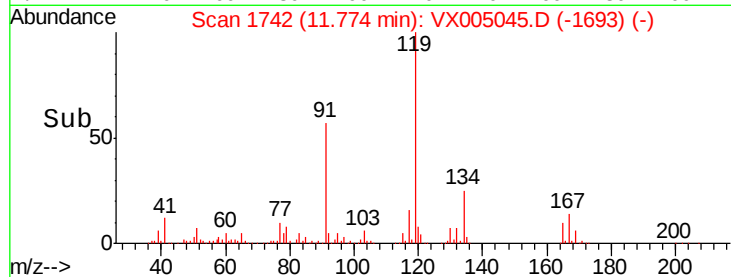
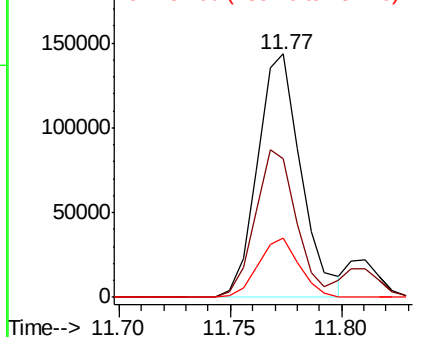


Abundance

Ion 119.00 (118.70 to 119.70): V

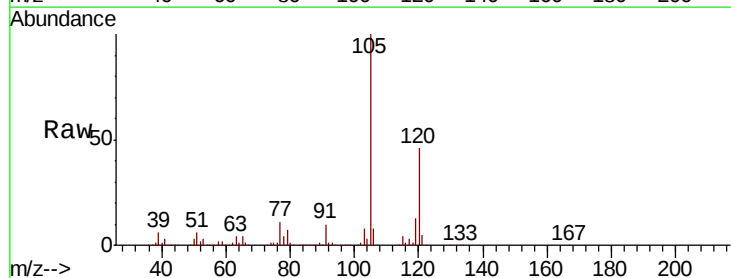
Ion 91.00 (90.70 to 91.70): VX

Ion 134.00 (133.70 to 134.70): V



#84
 1,2,4-Trimethylbenzene
 Concen: 19.776 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX005045.D
 Acq: 05 Oct 2018 04:04

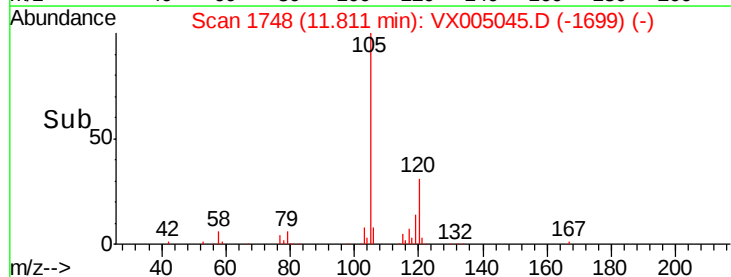
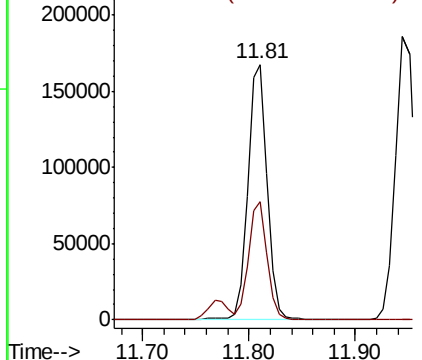
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	212174		
120	44.8		22.8	68.3

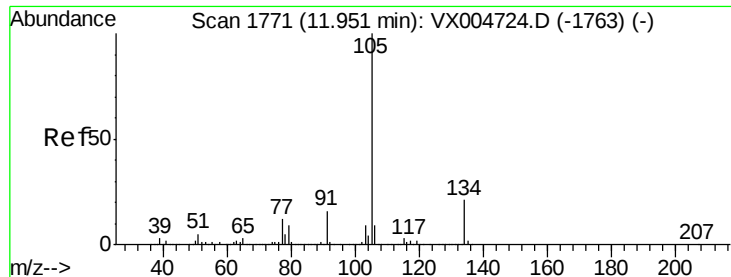


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.950 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBS04

Tot Ion:105 Resp: 237050

Ion Ratio Lower Upper

105 100

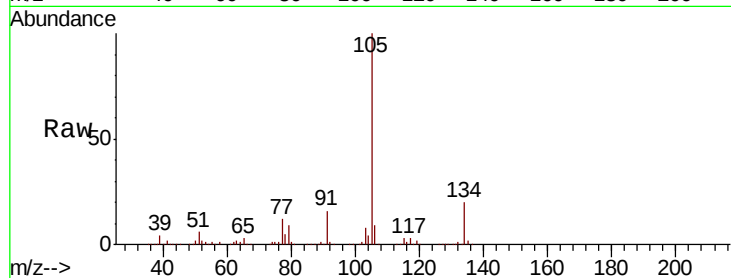
134 20.1 10.2 30.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

200000

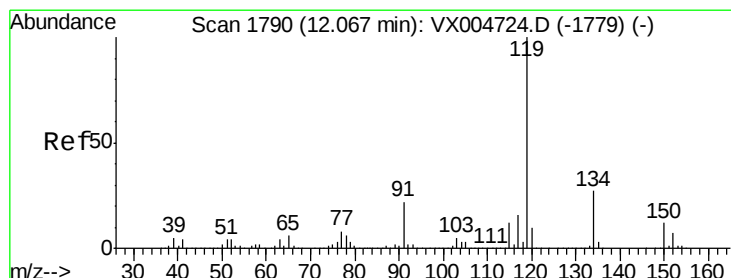
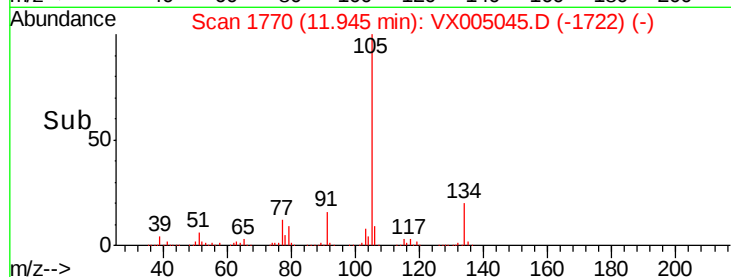
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.471 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

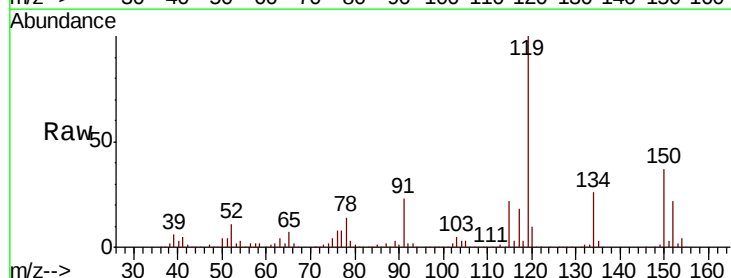
Tgt Ion:119 Resp: 209855

Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.1

91 23.5 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.07

250000

200000

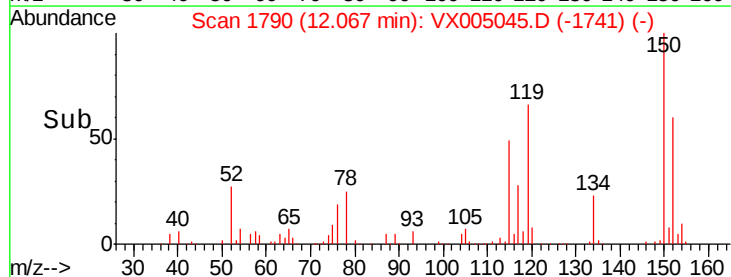
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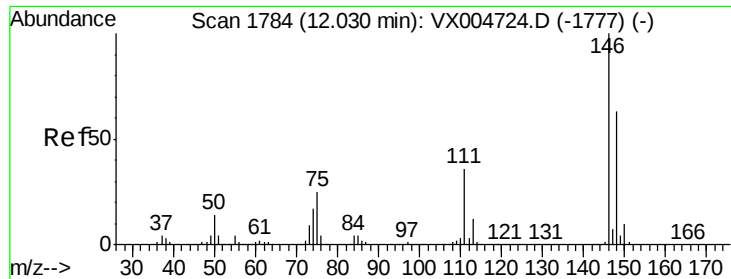
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.706 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Instrument :

MSVOA_X

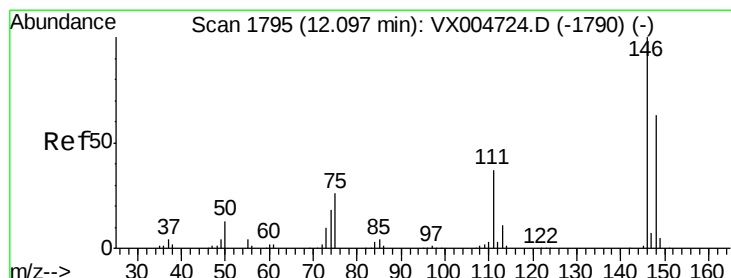
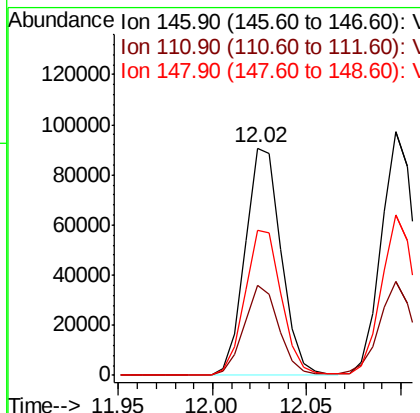
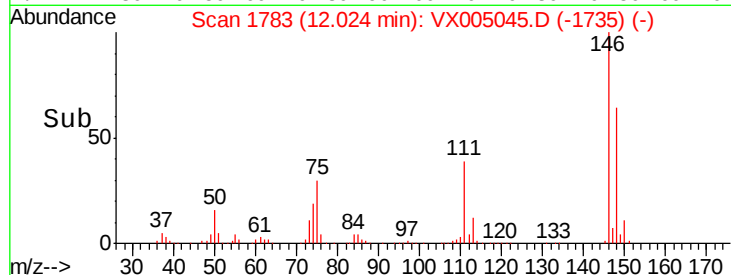
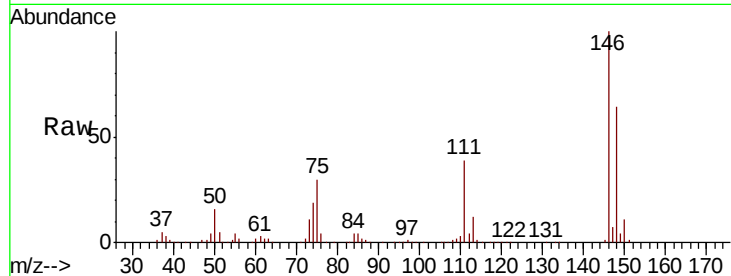
ClientSampleId :

VX1004WBS04

Tot Ion:	146	Resp:	120588
Ion Ratio	Lower	Upper	
146	100		
111	38.2	18.9	56.9
148	64.6	31.8	95.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.394 ug/l

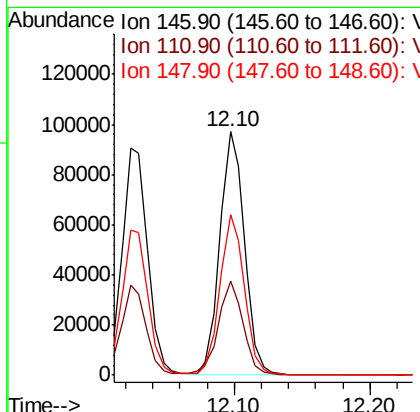
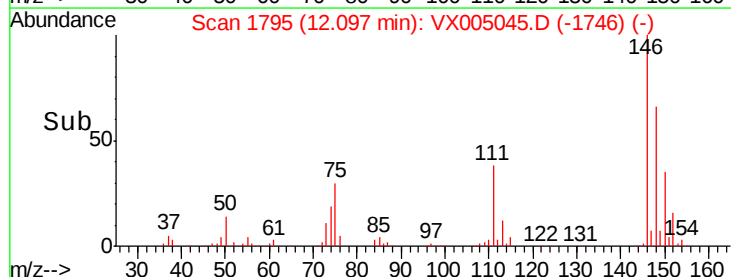
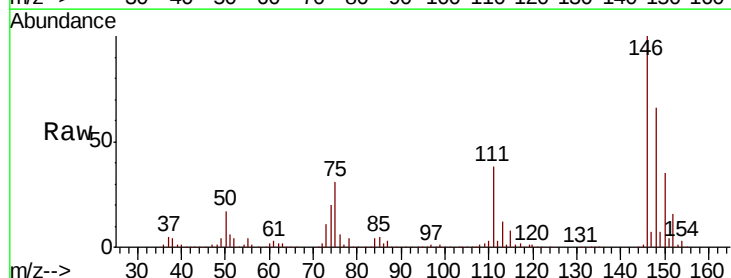
RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Tgt Ion:	146	Resp:	122513
Ion Ratio	Lower	Upper	
146	100		
111	39.1	18.4	55.2
148	65.5	32.0	96.0





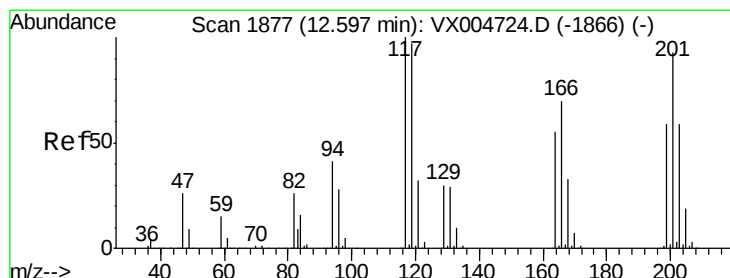
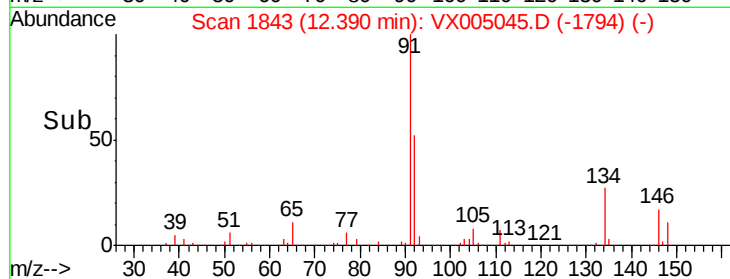
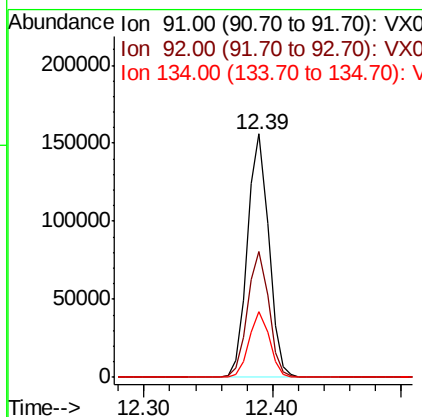
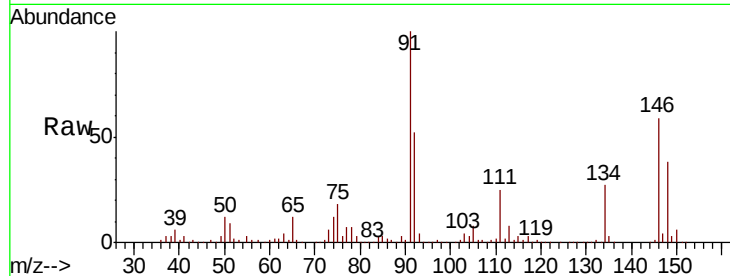
#89
n-Butylbenzene
Concen: 19.011 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS04

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.0	78.0
134	26.2	13.2	39.6

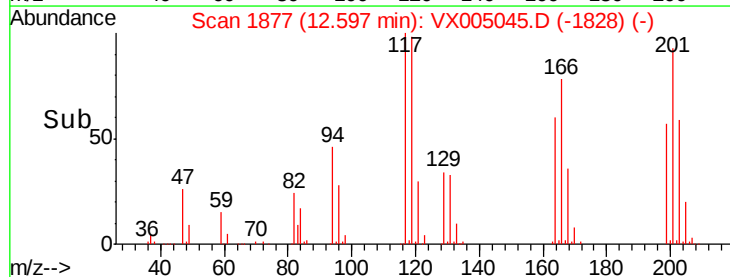
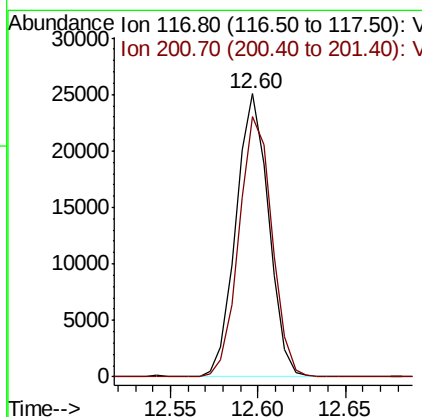
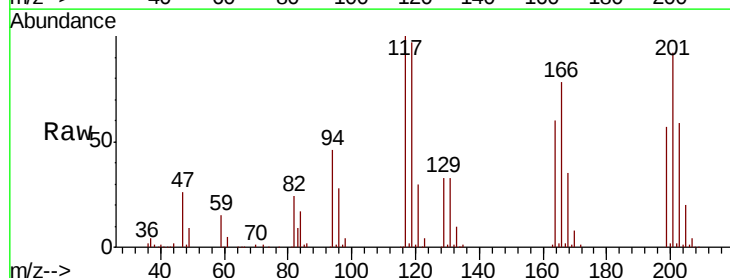
Manual Integrations
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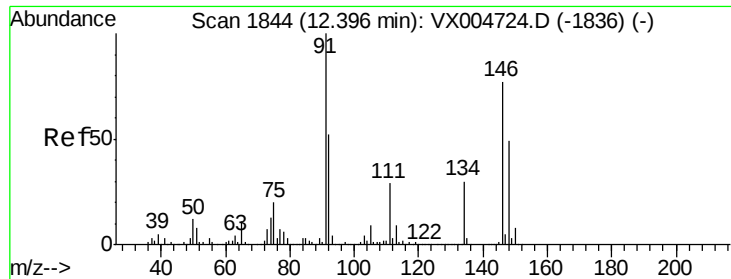
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#90
Hexachloroethane
Concen: 19.102 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.8	48.4	145.0





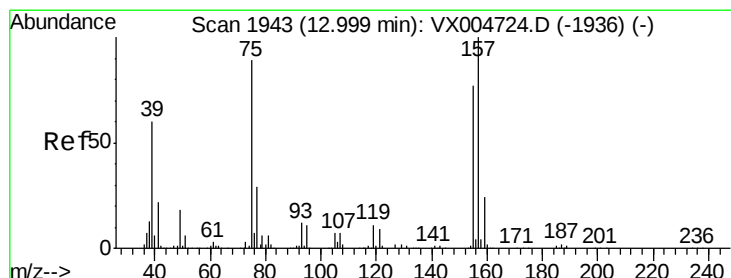
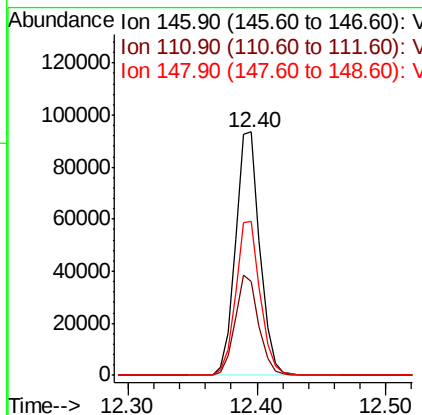
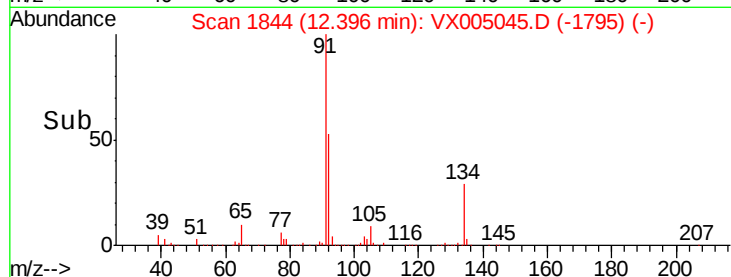
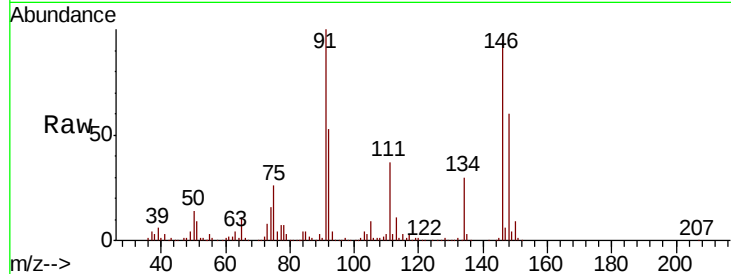
#91
 1,2-Dichlorobenzene
 Concen: 19.222 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: VX005045.D
 Acq: 05 Oct 2018 04:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBS04

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.6	58.7
148	63.5	31.8	95.4

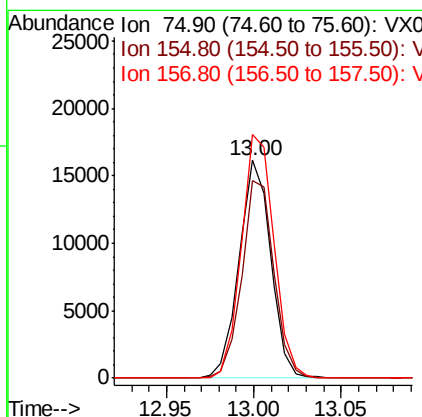
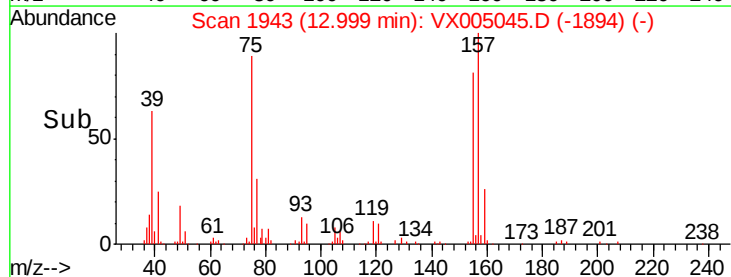
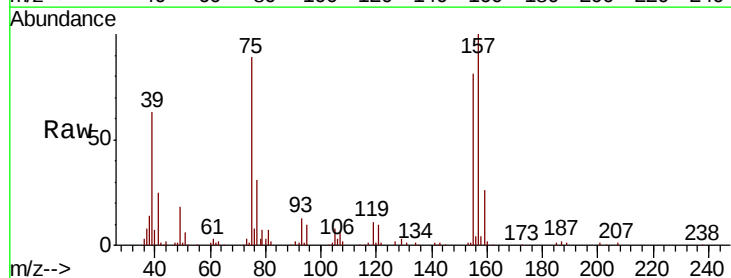
Manual Integrations
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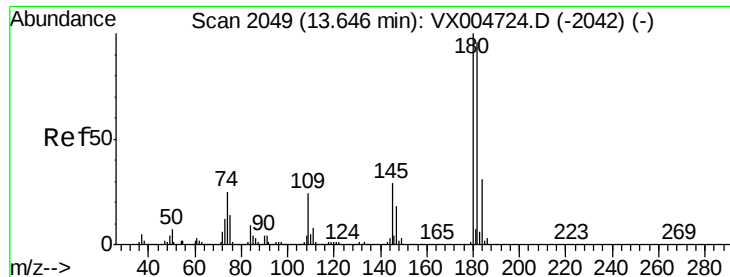
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.163 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX005045.D
 Acq: 05 Oct 2018 04:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.7	46.1	138.3
157	114.8	60.2	180.6





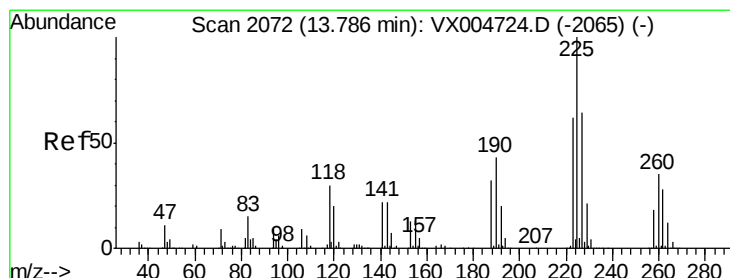
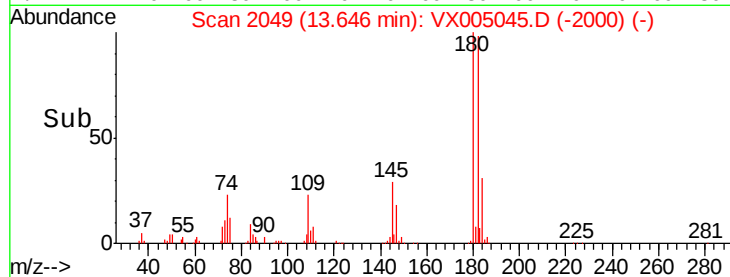
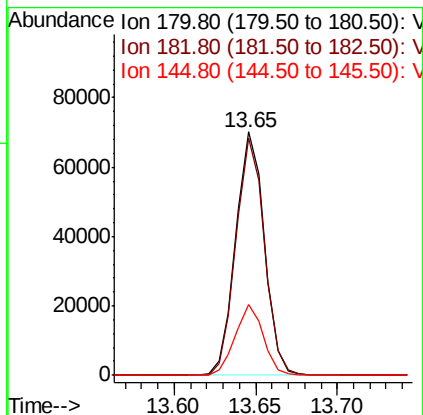
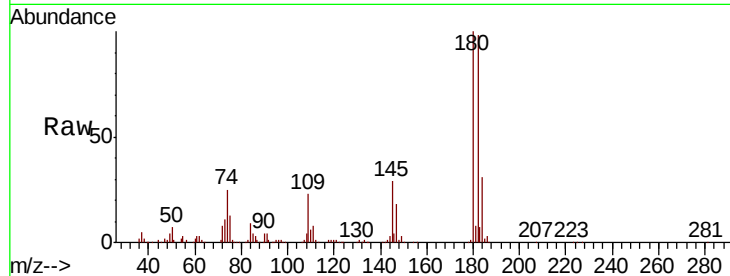
#93
 1,2,4-Trichlorobenzene
 Concen: 19.114 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005045.D
 Acq: 05 Oct 2018 04:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBS04

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.8	143.4
145	28.4	14.1	42.4

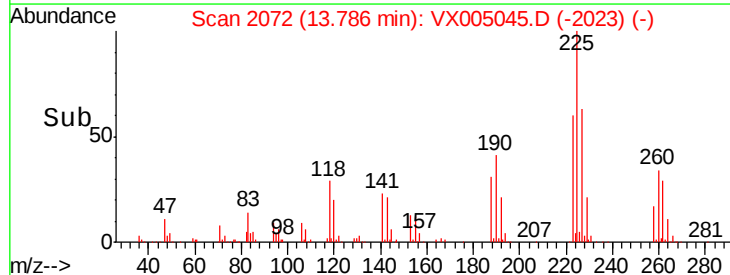
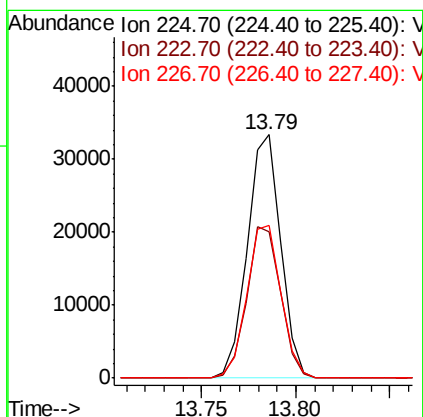
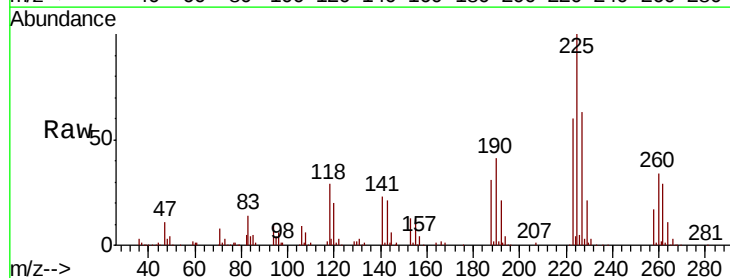
Manual Integrations
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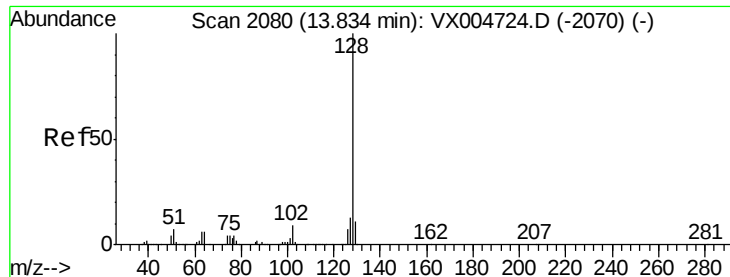
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 17.607 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX005045.D
 Acq: 05 Oct 2018 04:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.3	93.8
227	64.3	31.9	95.5





#95

Naphthalene

Concen: 19.243 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Instrument :

MSVOA_X

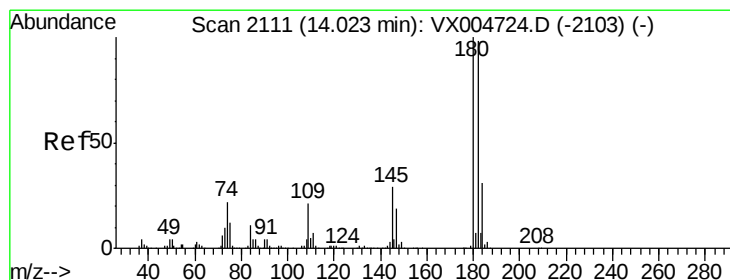
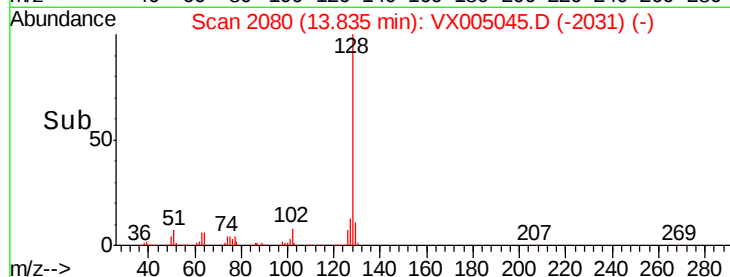
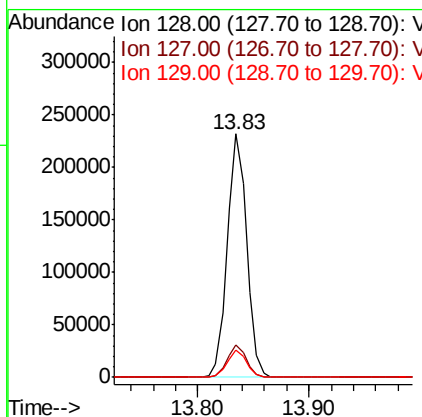
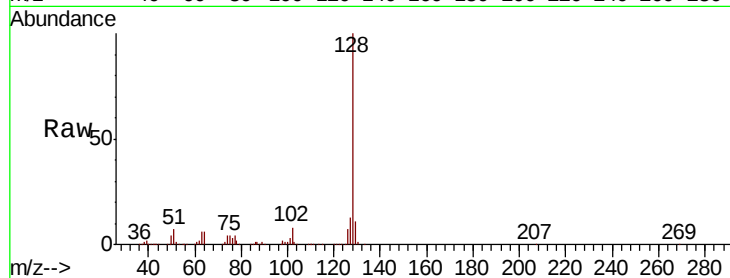
ClientSampleId :

VX1004WBS04

Tot Ion:	128	Resp:	279842
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/5/2018 3:24:54 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.776 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Tgt Ion:	180	Resp:	91646
Ion Ratio	Lower	Upper	
180	100		
182	94.3	47.9	143.8
145	29.7	15.0	45.0

