

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100918\
 Data File : VX005205.D
 Acq On : 10 Oct 2018 12:47
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/11/2018 5:02:12 PM

Quant Time: Oct 10 15:55:21 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	256027	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	370304	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	352545	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	200741	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	127441	34.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.70%	
35) Dibromofluoromethane	5.50	113	104638	33.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	66.68%	
50) Toluene-d8	8.72	98	385368	36.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.88%	
62) 4-Bromofluorobenzene	11.14	95	148680	39.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	143843	41.206	ug/l	98
3) Chloromethane	1.32	50	160008	37.780	ug/l	100
4) Vinyl Chloride	1.40	62	156065	39.289	ug/l	99
5) Bromomethane	1.64	94	86156	36.576	ug/l	95
6) Chloroethane	1.71	64	93401	42.811	ug/l	96
7) Trichlorofluoromethane	1.92	101	204141	41.512	ug/l	93
8) Diethyl Ether	2.19	74	79963	37.430	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	109430	39.065	ug/l	99
10) Methyl Iodide	2.51	142	135383	36.117	ug/l	92
11) Tert butyl alcohol	3.09	59	200131	195.702	ug/l	100
12) 1,1-Dichloroethene	2.37	96	106104	38.247	ug/l	96
13) Acrolein	2.29	56	125525	172.520	ug/l	90
14) Allyl chloride	2.72	41	237731	39.275	ug/l	95
15) Acrylonitrile	3.15	53	436545	193.917	ug/l	96
16) Acetone	2.45	43	396234	185.570	ug/l	93
17) Carbon Disulfide	2.56	76	315460	37.843	ug/l	100
18) Methyl Acetate	2.78	43	223742	41.358	ug/l	95
19) Methyl tert-butyl Ether	3.21	73	382181	39.940	ug/l	96
20) Methylene Chloride	2.85	84	123195	39.506	ug/l	92
21) trans-1,2-Dichloroethene	3.16	96	114566	37.726	ug/l	85
22) Diisopropyl ether	3.87	45	382210	37.499	ug/l	98
23) Vinyl Acetate	3.82	43	1722353	184.606	ug/l	99
24) 1,1-Dichloroethane	3.69	63	230005	37.830	ug/l	100
25) 2-Butanone	4.71	43	576380	183.129	ug/l	97
26) 2,2-Dichloropropane	4.58	77	149507	35.312	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	120703	35.579	ug/l	95
28) Bromochloromethane	5.02	49	93040	32.496	ug/l	99
29) Tetrahydrofuran	5.16	42	373394	190.875	ug/l	98
30) Chloroform	5.21	83	206499	35.937	ug/l	98
31) Cyclohexane	5.57	56	184946	39.744	ug/l	91
32) 1,1,1-Trichloroethane	5.49	97	177982	37.927	ug/l	96
36) 1,1-Dichloropropene	5.79	75	152584	35.635	ug/l	95
37) Ethyl Acetate	4.86	43	198205	34.872	ug/l	98
38) Carbon Tetrachloride	5.78	117	159465	35.428	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	177583	40.615	ug/l	86
40) Benzene	6.14	78	460504	34.352	ug/l	95
41) Methacrylonitrile	5.06	41	111718	35.442	ug/l	98
42) 1,2-Dichloroethane	6.20	62	166541	35.143	ug/l	97
43) Isopropyl Acetate	6.46	43	291788	35.568	ug/l	96
44) Trichloroethene	7.21	130	123918	37.603	ug/l	99
45) 1,2-Dichloropropane	7.52	63	124705	37.934	ug/l	99
46) Dibromomethane	7.66	93	80387	38.909	ug/l	100
47) Bromodichloromethane	7.90	83	154641	39.978	ug/l	99
48) Methyl methacrylate	7.78	41	156729	42.091	ug/l	99
49) 1,4-Dioxane	7.76	88	74249	802.627	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1076380	208.381	ug/l	99
52) Toluene	8.79	92	288449	39.159	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	170059	38.905	ug/l	93
54) cis-1,3-Dichloropropene	8.44	75	186799	40.800	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	120291	37.282	ug/l	97
56) Ethyl methacrylate	9.18	69	186243	36.397	ug/l	97
57) 1,3-Dichloropropane	9.37	76	202063	37.628	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	493858	181.760	ug/l	99
59) 2-Hexanone	9.50	43	864837	200.917	ug/l	95
60) Dibromochloromethane	9.59	129	126565	39.223	ug/l	99
61) 1,2-Dibromoethane	9.68	107	125804	36.407	ug/l	96
64) Tetrachloroethene	9.34	164	127072	36.622	ug/l	96
65) Chlorobenzene	10.14	112	324419	35.886	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	119044	37.457	ug/l	99
67) Ethyl Benzene	10.26	91	557850	38.868	ug/l	97
68) m/p-Xylenes	10.36	106	437363	77.981	ug/l	95
69) o-Xylene	10.70	106	210603	40.882	ug/l	99
70) Styrene	10.71	104	358549	37.762	ug/l	100
71) Bromoform	10.86	173	105754	38.867	ug/l	97
73) Isopropylbenzene	11.02	105	569757	45.029	ug/l	100
74) N-amyl acetate	10.90	43	267443	38.859	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	200769	38.980	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	186357m	41.419	ug/l	
77) Bromobenzene	11.26	156	152651	41.536	ug/l	99
78) n-propylbenzene	11.36	91	658061	45.328	ug/l	100
79) 2-Chlorotoluene	11.42	91	389380	43.029	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	490657	42.279	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	57426	35.414	ug/l	100
82) 4-Chlorotoluene	11.51	91	463196	43.487	ug/l	100
83) tert-Butylbenzene	11.77	119	478632	45.945	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	505085	42.202	ug/l	99
85) sec-Butylbenzene	11.94	105	582379	45.896	ug/l	99
86) p-Isopropyltoluene	12.07	119	524812	45.651	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	283501	41.311	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	288441	40.716	ug/l	100
89) n-Butylbenzene	12.39	91	465511	44.586	ug/l	100
90) Hexachloroethane	12.60	117	84917	44.364	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	291007	40.577	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	50243	44.427	ug/l	100

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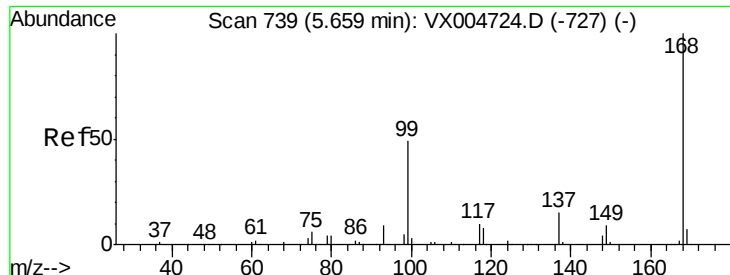
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	218133	43.359	ug/l	100
94) Hexachlorobutadiene	13.79	225	108675	41.658	ug/l	100
95) Naphthalene	13.83	128	684856	41.144	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	223885	43.080	ug/l	100

(#) = 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: VX005205.D

Acq: 10 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 256027

Ion Ratio Lower Upper

168 100

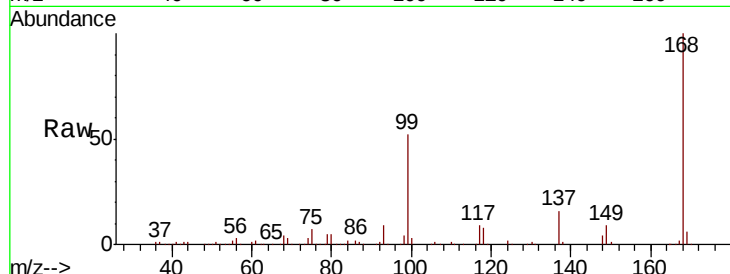
99 51.3 39.3 58.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

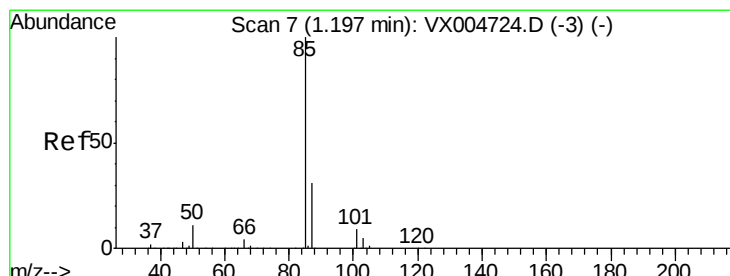
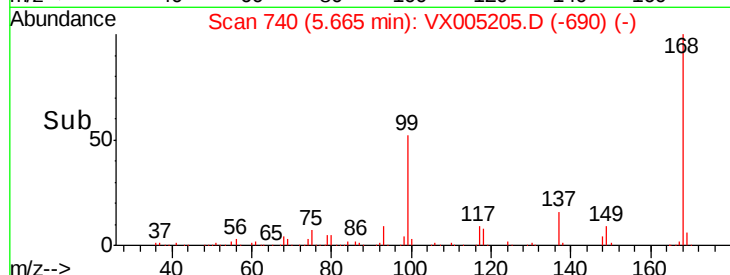
40000

20000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#2

Dichlorodifluoromethane

Concen: 41.206 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005205.D

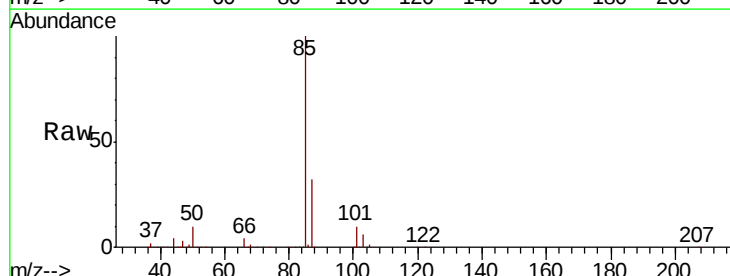
Acq: 10 Oct 2018 12:47

Tgt Ion: 85 Resp: 143843

Ion Ratio Lower Upper

85 100

87 32.5 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

150000

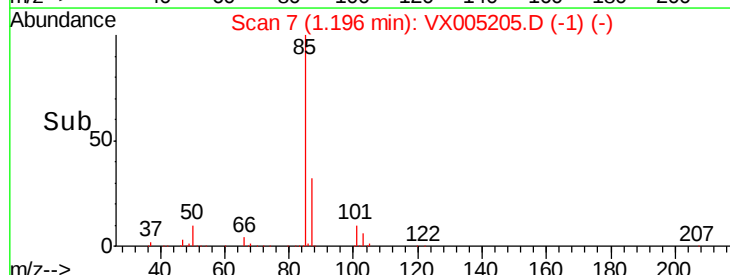
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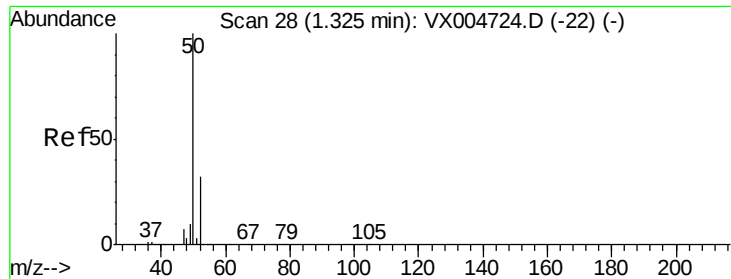
50000

0

1.20 1.30

Time-->





#3

Chloromethane

Concen: 37.780 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005205.D

Acq: 10 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 160008

Ion Ratio Lower Upper

50 100

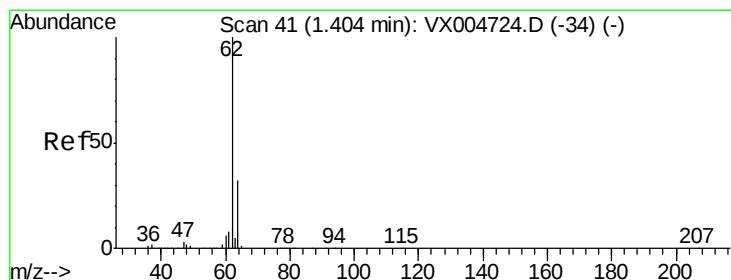
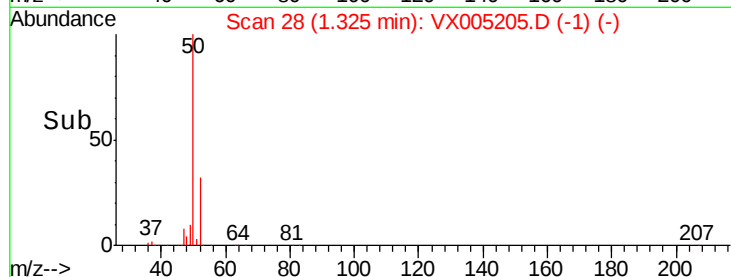
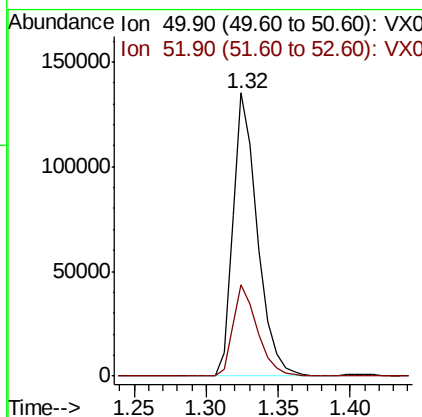
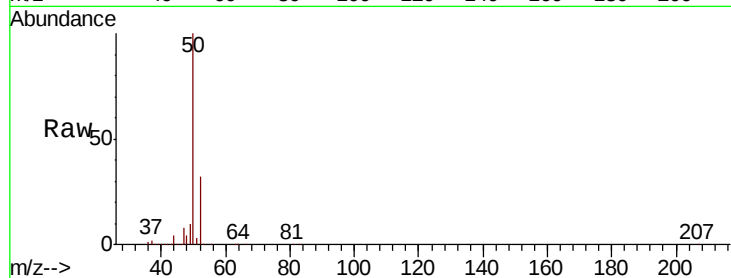
52 32.2 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 39.289 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005205.D

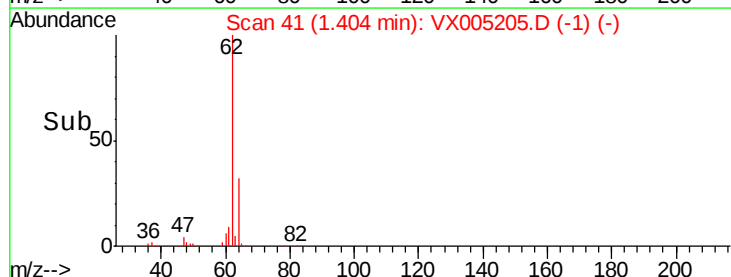
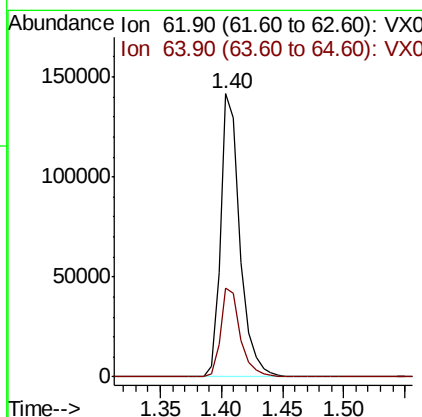
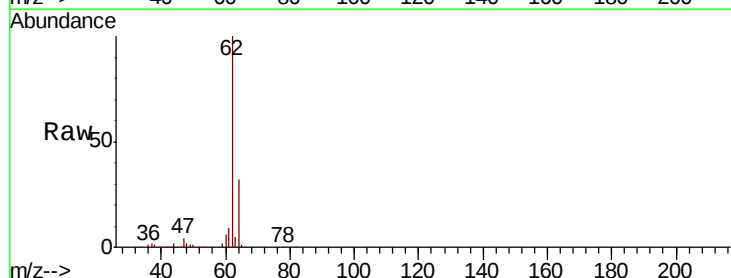
Acq: 10 Oct 2018 12:47

Tgt Ion: 62 Resp: 156065

Ion Ratio Lower Upper

62 100

64 31.5 25.5 38.3





#5

Bromomethane

Concen: 36.576 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005205.D

Acq: 10 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 86156

Ion Ratio Lower Upper

94 100

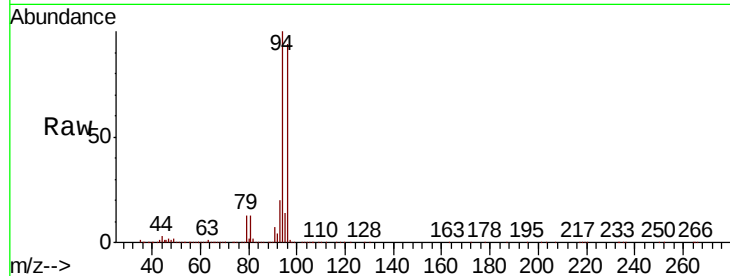
96 94.3 79.5 119.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

100000

80000

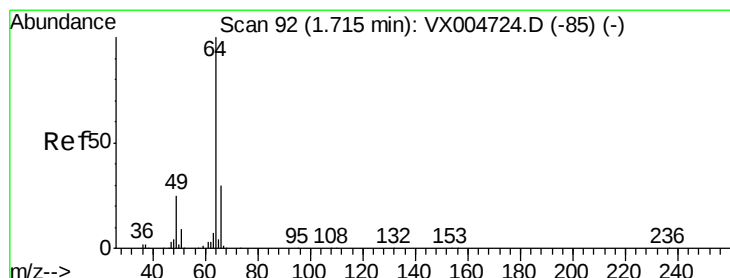
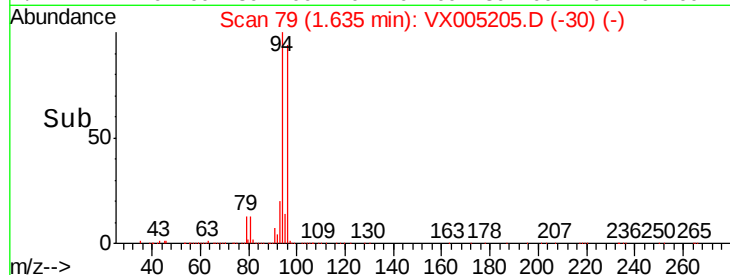
60000

40000

20000

0

Time--> 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 42.811 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX005205.D

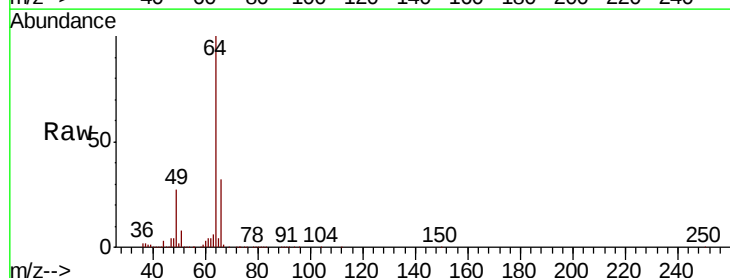
Acq: 10 Oct 2018 12:47

Tgt Ion: 64 Resp: 93401

Ion Ratio Lower Upper

64 100

66 32.0 23.8 35.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

80000

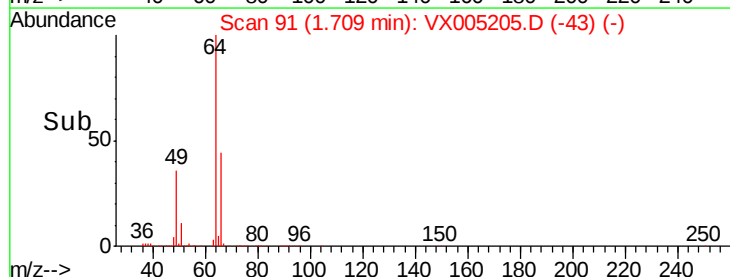
60000

40000

20000

0

Time--> 1.60 1.65 1.70 1.75 1.80





#7

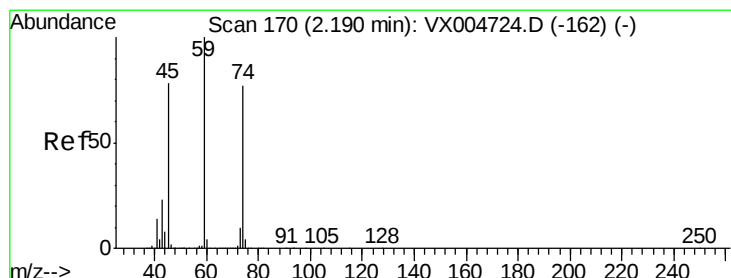
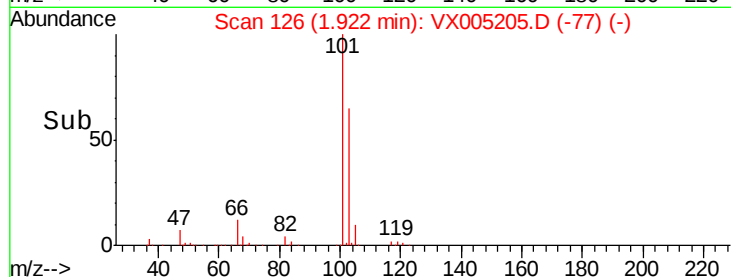
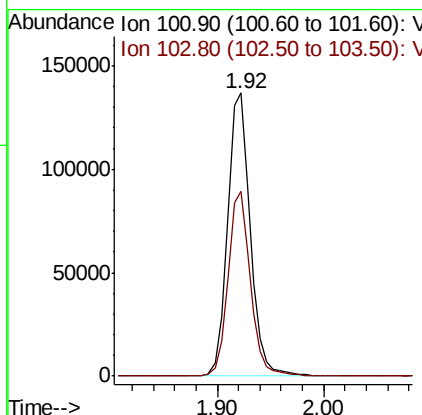
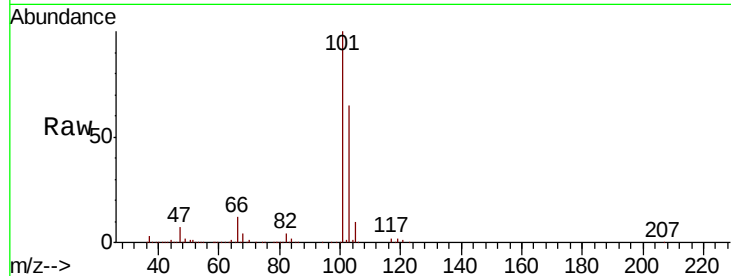
Trichlorofluoromethane
Concen: 41.512 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX005205.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		204141		
103	65.5	48.4	72.6		

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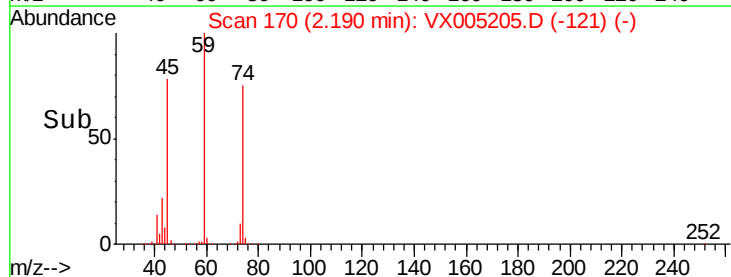
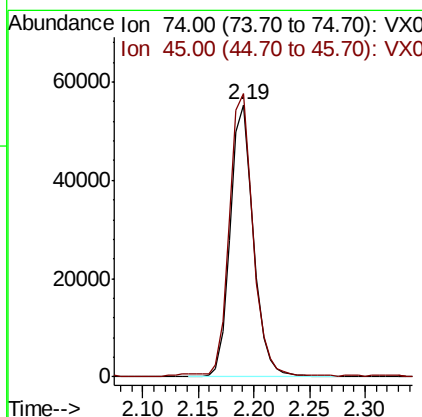
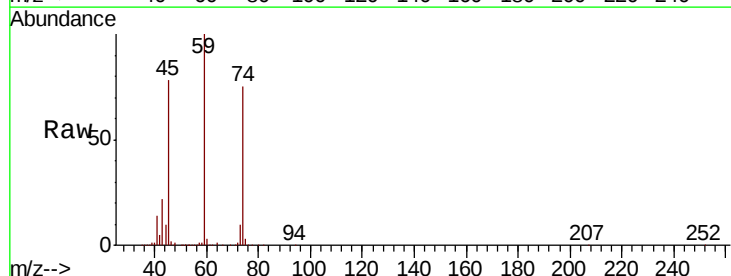
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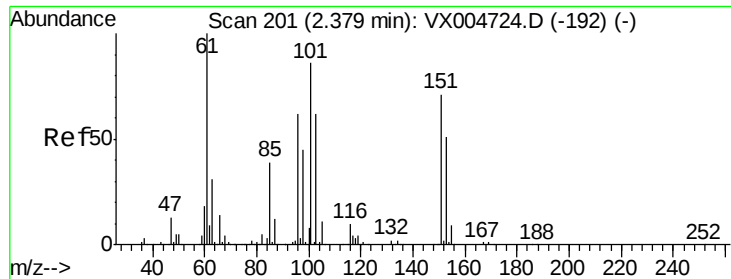


#8

Diethyl Ether
Concen: 37.430 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX005205.D
Acq: 10 Oct 2018 12:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		79963		
45	105.2	52.5	157.6		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 39.065 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX005205.D

Acq: 10 Oct 2018 12:47

Instrument :

MSVOA_X

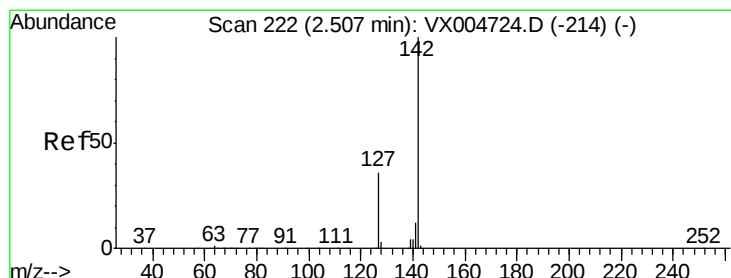
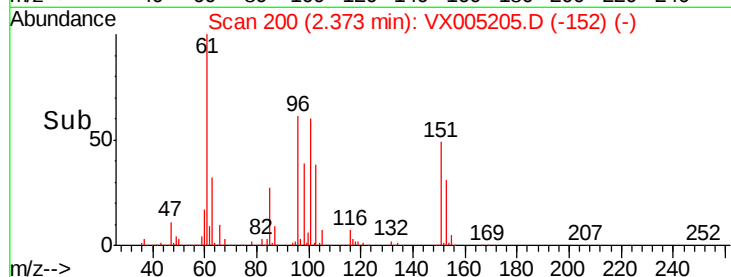
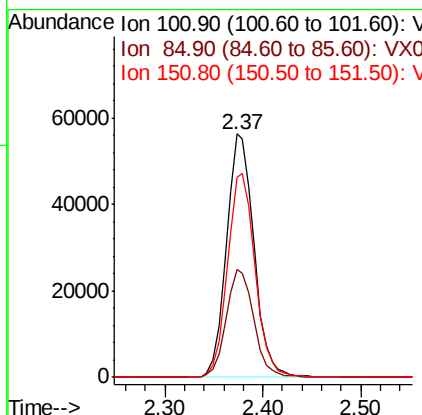
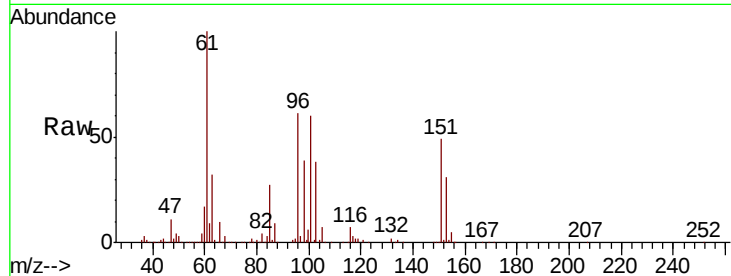
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	109430
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.9	53.9
151	84.6	66.6	100.0

Manual Integrations
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#10

Methyl Iodide

Concen: 36.117 ug/l

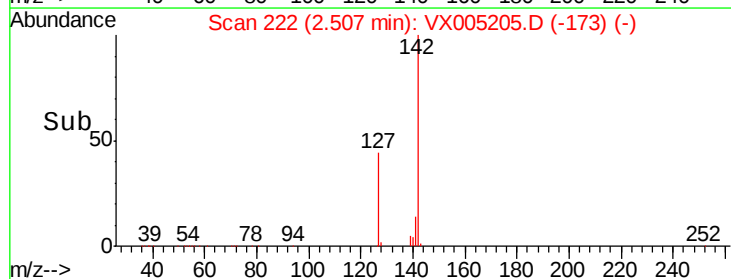
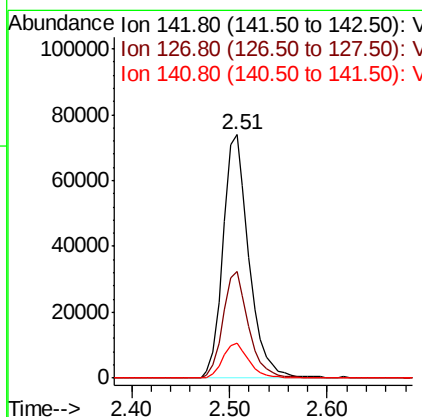
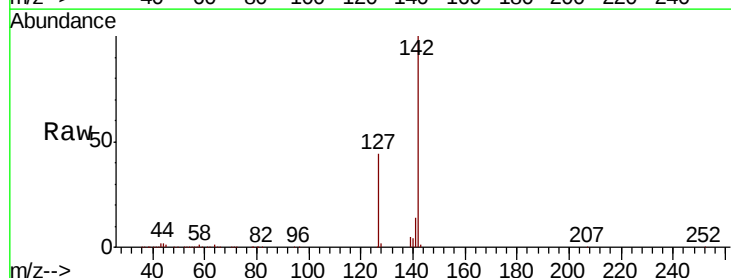
RT: 2.51 min Scan# 222

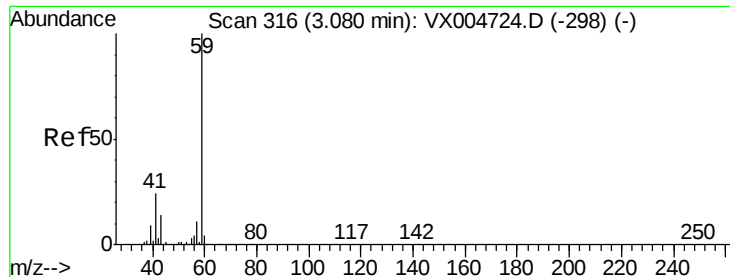
Delta R.T. -0.00 min

Lab File: VX005205.D

Acq: 10 Oct 2018 12:47

Tgt Ion:	142	Resp:	135383
Ion Ratio	Lower	Upper	
142	100		
127	43.3	30.1	45.1
141	14.5	10.1	15.1





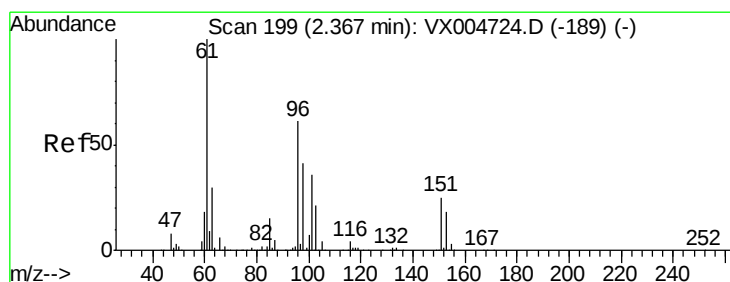
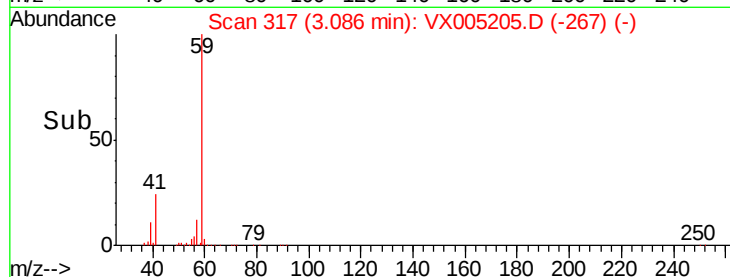
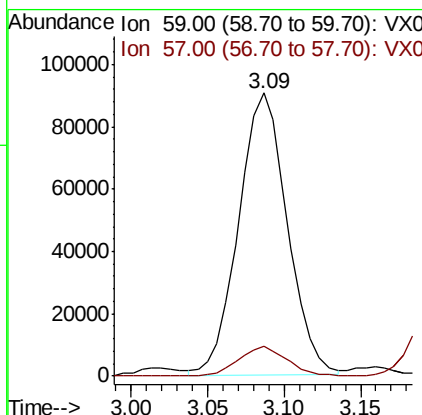
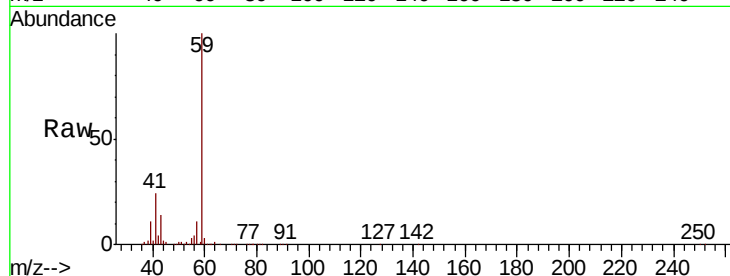
#11
Tert butyl alcohol
Concen: 195.702 ug/l
RT: 3.09 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX005205.D
Acq: 10 Oct 2018 12:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.6	12.8

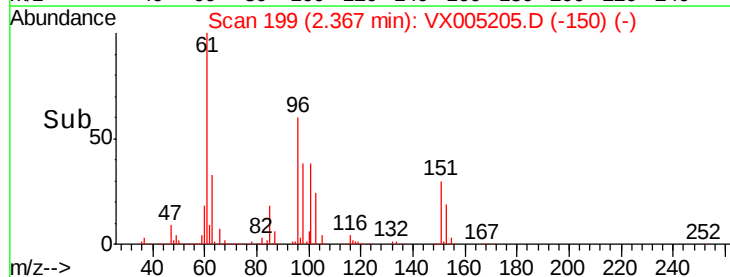
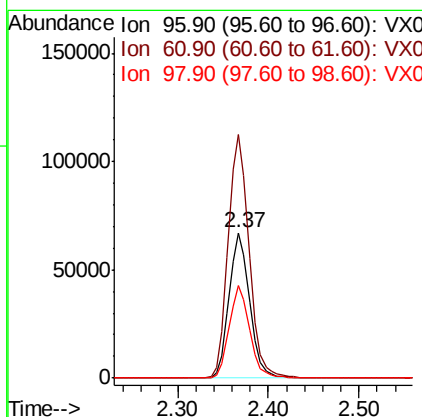
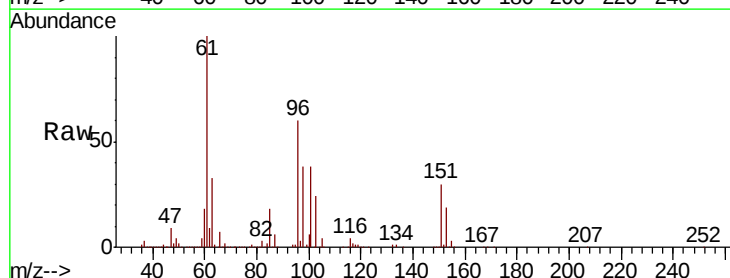
Manual Integrations
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#12
1,1-Dichloroethene
Concen: 38.247 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.00 min
Lab File: VX005205.D
Acq: 10 Oct 2018 12:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.5	130.2	195.4
98	63.4	53.4	80.0





#13

Acrolein

Concen: 172.520 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX005205.D

Acq: 10 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 125525

Ion Ratio Lower Upper

56 100

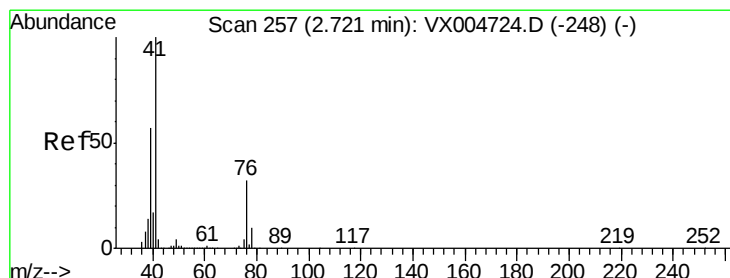
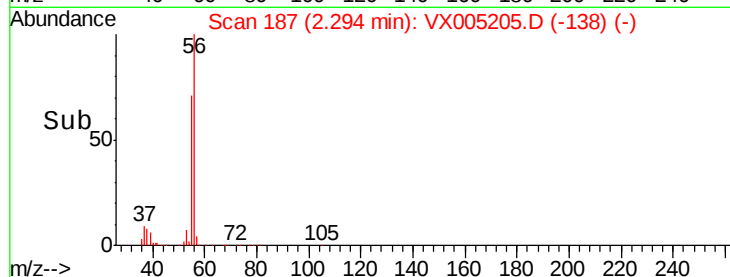
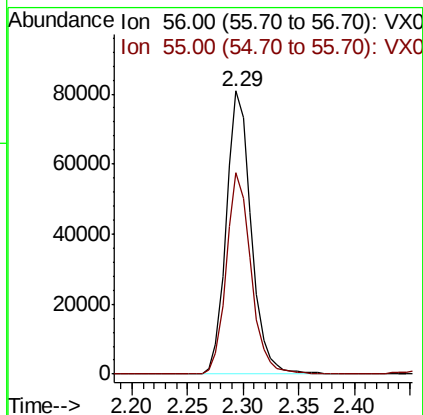
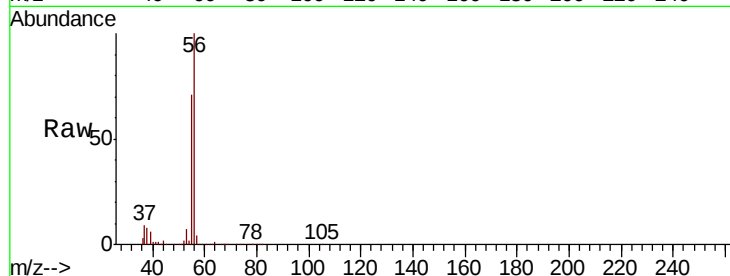
55 70.2 63.4 95.2

Manual Integrations

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#14

Allyl chloride

Concen: 39.275 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.00 min

Lab File: VX005205.D

Acq: 10 Oct 2018 12:47

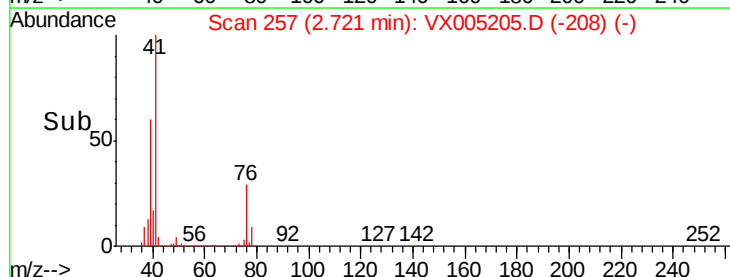
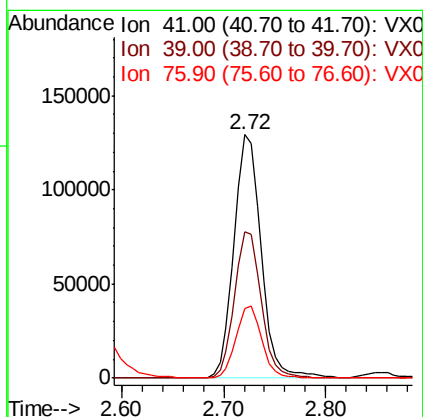
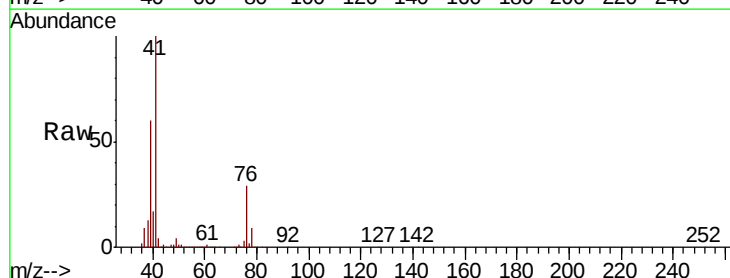
Tgt Ion: 41 Resp: 237731

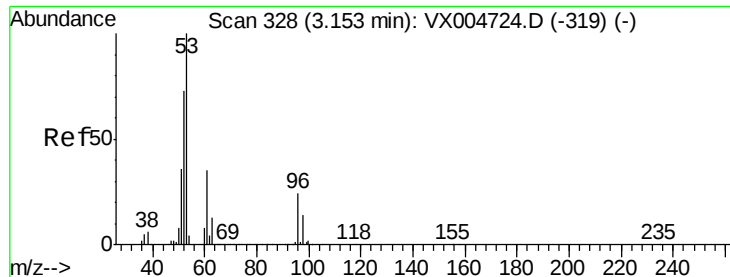
Ion Ratio Lower Upper

41 100

39 58.8 44.1 66.1

76 28.2 25.0 37.4





#15

Acrylonitrile

Concen: 193.917 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX005205.D

Acq: 10 Oct 2018 12:47

Instrument :

MSVOA_X

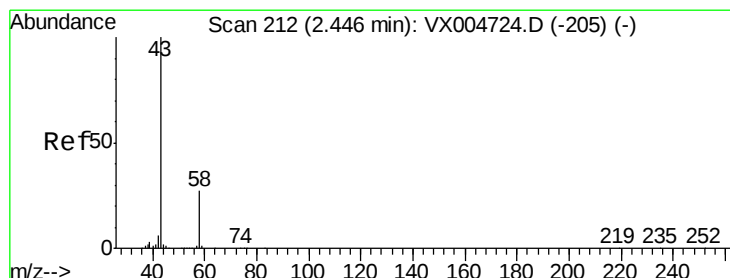
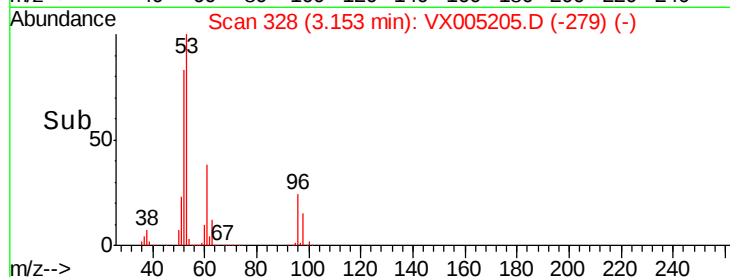
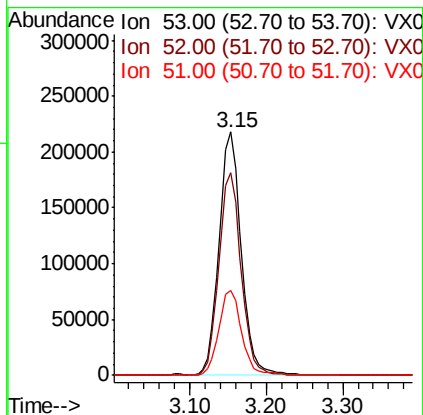
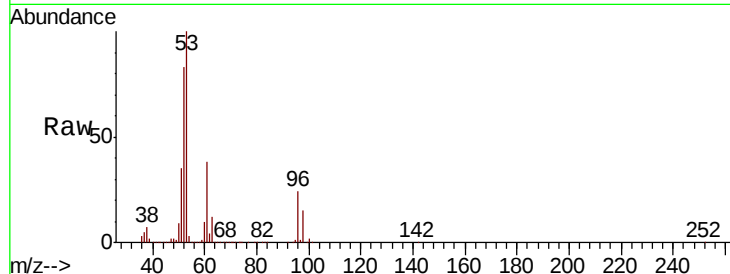
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	436545
Ion	Ratio	Lower	Upper
53	100		
52	83.4	63.0	94.4
51	35.8	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 185.570 ug/l

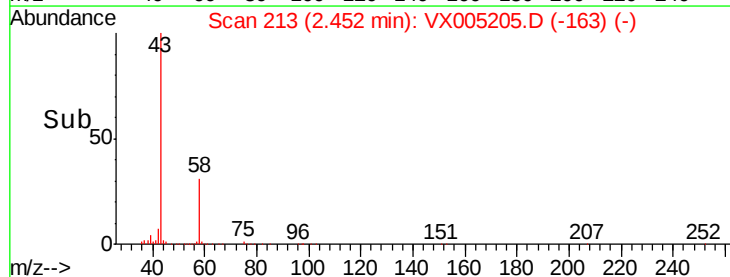
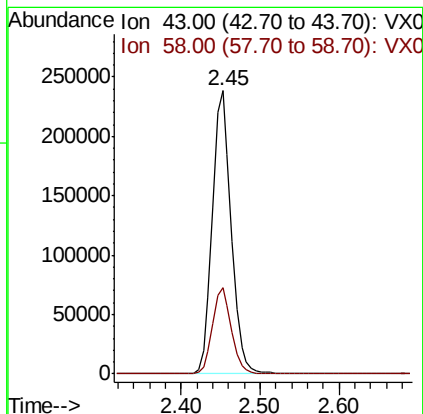
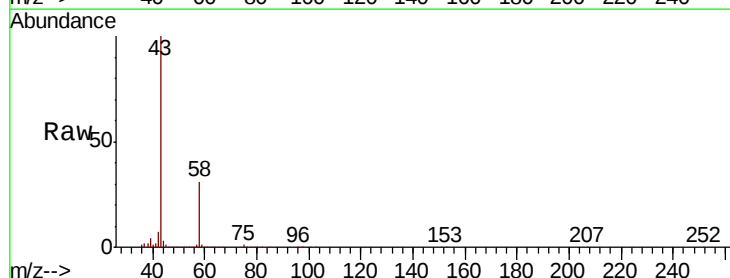
RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX005205.D

Acq: 10 Oct 2018 12:47

Tgt Ion:	43	Resp:	396234
Ion	Ratio	Lower	Upper
43	100		
58	30.6	21.8	32.6





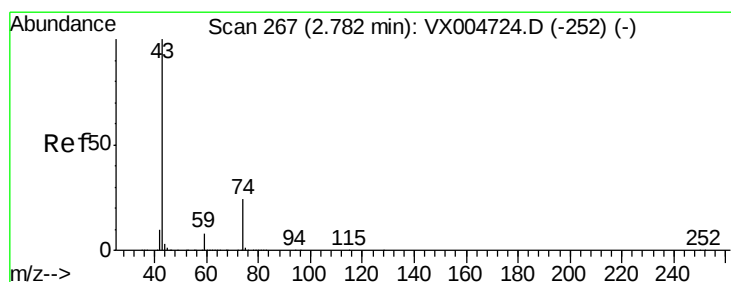
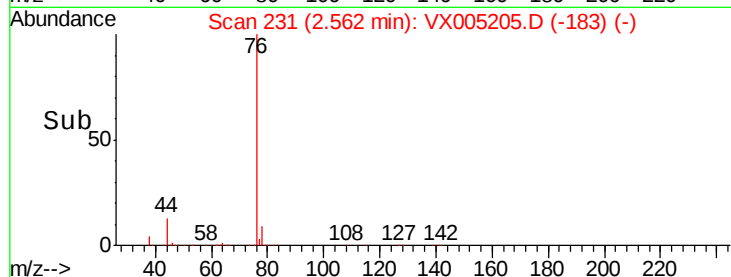
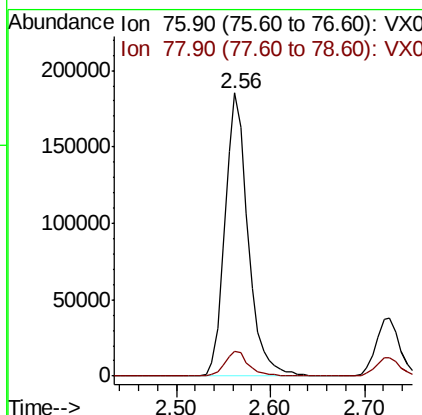
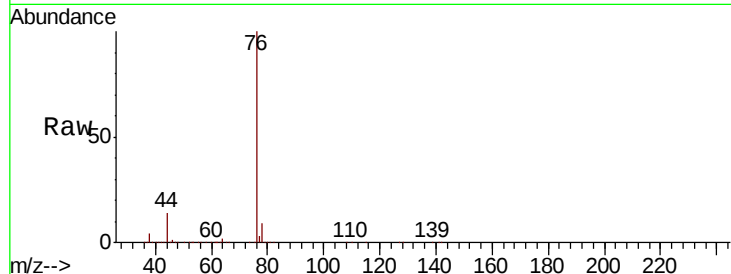
#17
Carbon Disulfide
Concen: 37.843 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX005205.D
Acq: 10 Oct 2018 12:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.6

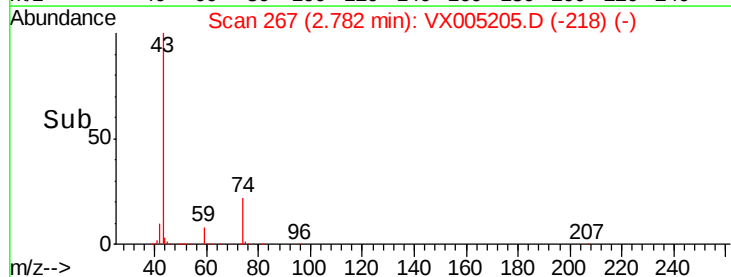
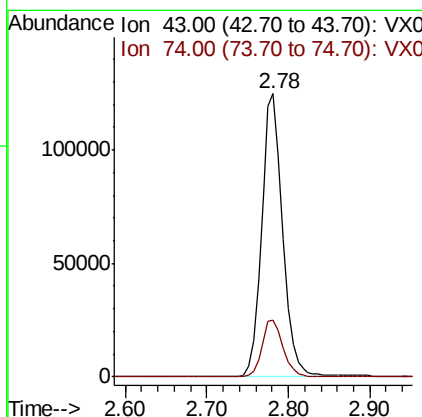
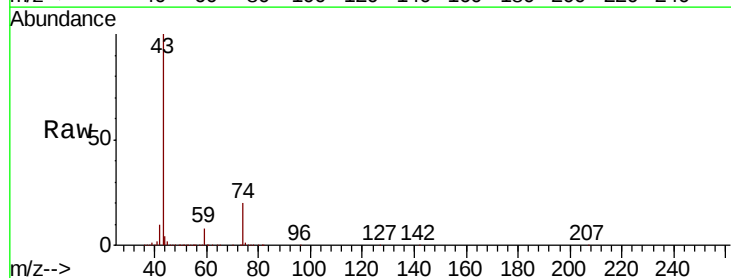
Manual Integrations
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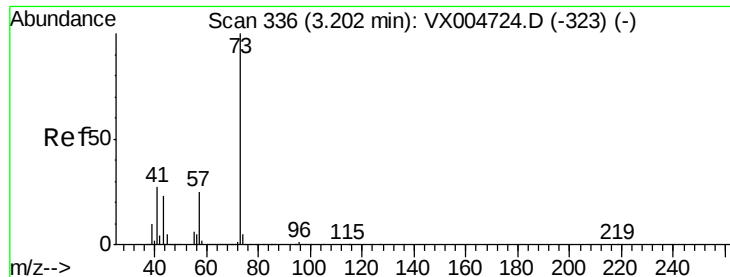
MMDadoda
10/11/2018 5:02:12 PM



#18
Methyl Acetate
Concen: 41.358 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX005205.D
Acq: 10 Oct 2018 12:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.0	17.8	26.8





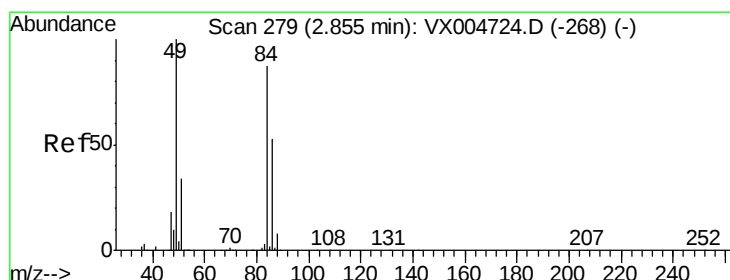
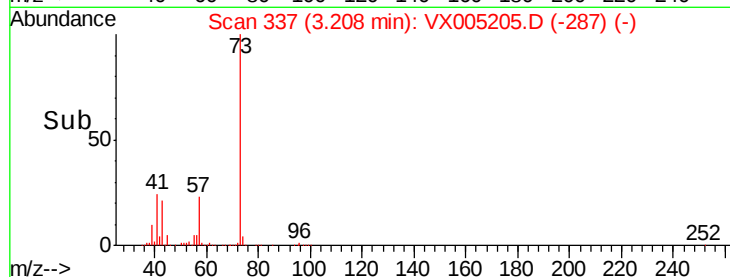
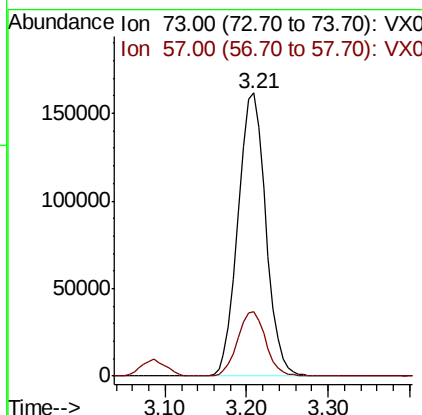
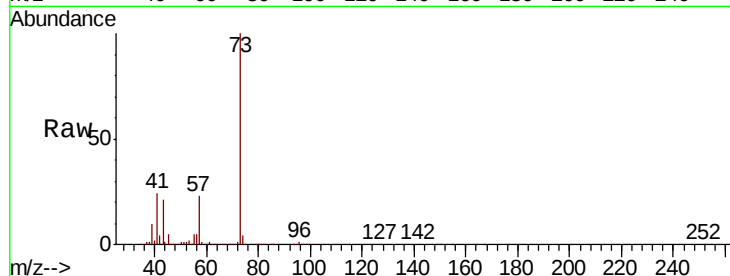
#19
Methvl tert-butvl Ether
Concen: 39.940 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX005205.D
Acq: 10 Oct 2018 12:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.9	19.9	29.9

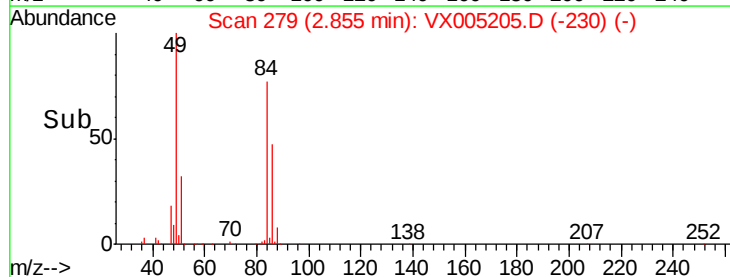
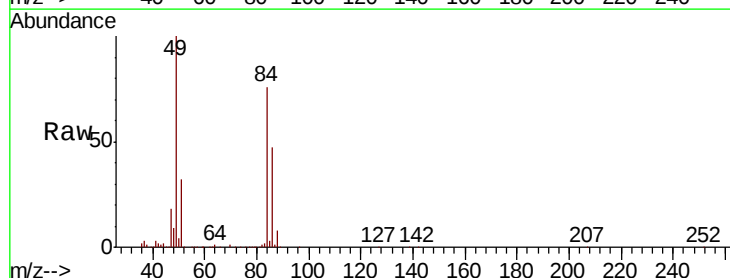
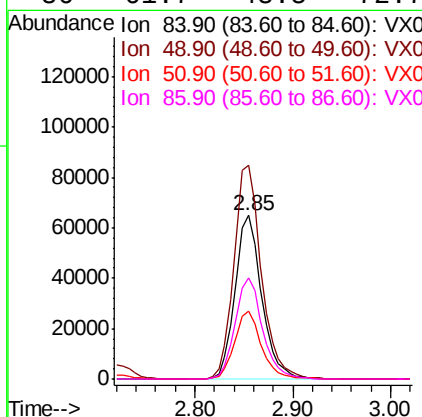
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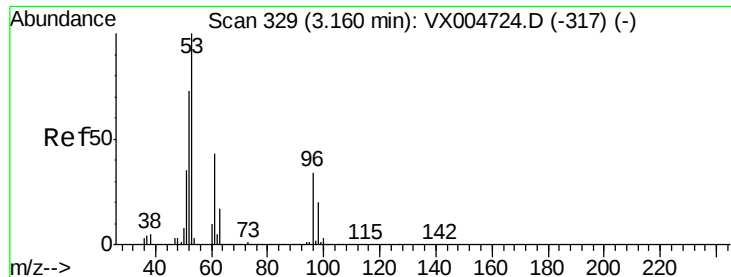
MMDadoda
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#20
Methylene Chloride
Concen: 39.506 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX005205.D
Acq: 10 Oct 2018 12:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.7	92.3	138.5
51	41.4	31.8	47.6
86	61.7	48.5	72.7





#21

trans-1,2-Dichloroethene

Concen: 37.726 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX005205.D

Acq: 10 Oct 2018 12:47

Instrument :

MSVOA_X

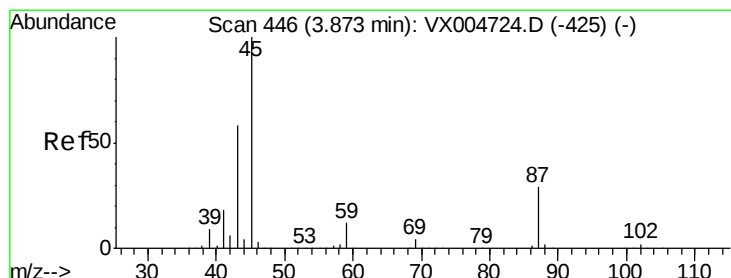
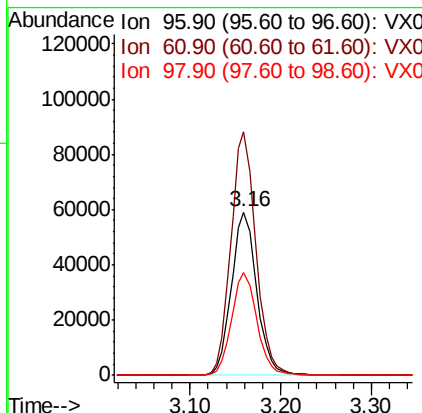
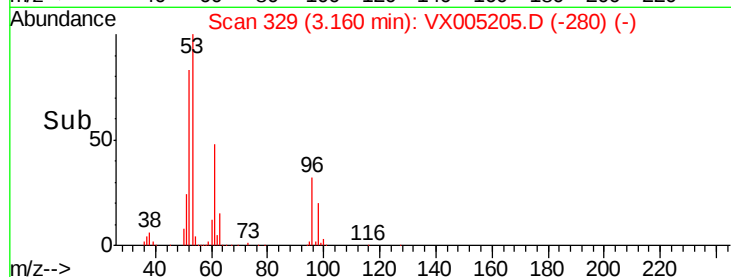
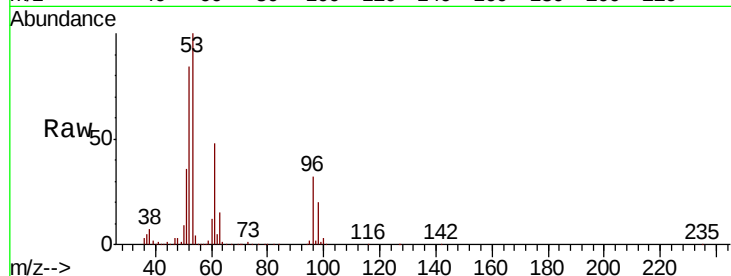
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	114566
Ion	Ratio	Lower	Upper
96	100		
61	148.6	101.0	151.6
98	62.6	47.2	70.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 37.499 ug/l

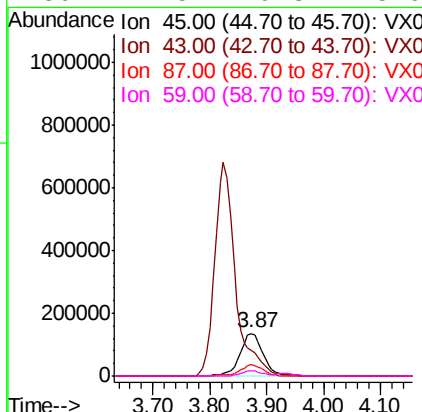
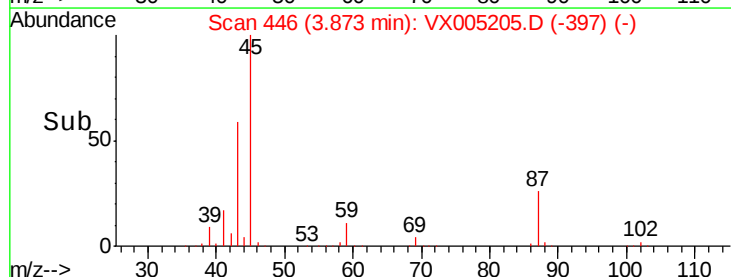
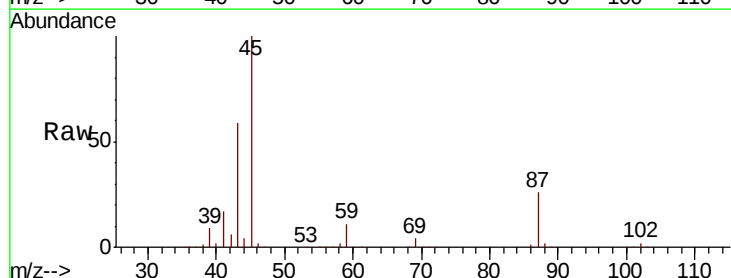
RT: 3.87 min Scan# 446

Delta R.T. -0.00 min

Lab File: VX005205.D

Acq: 10 Oct 2018 12:47

Tgt Ion:	45	Resp:	382210
Ion	Ratio	Lower	Upper
45	100		
43	59.3	46.7	70.1
87	26.4	22.9	34.3
59	11.5	9.3	13.9





#23

Vinyl Acetate

Concen: 184.606 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX005205.D

Acq: 10 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1722353

Ion Ratio Lower Upper

43 100

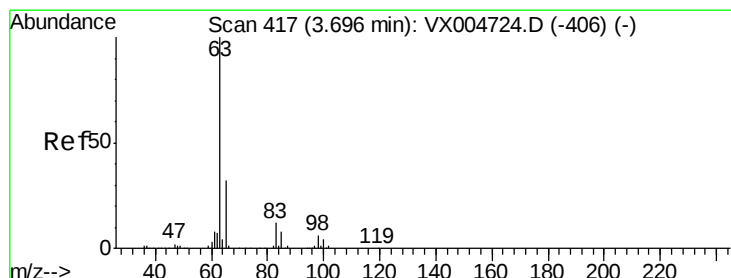
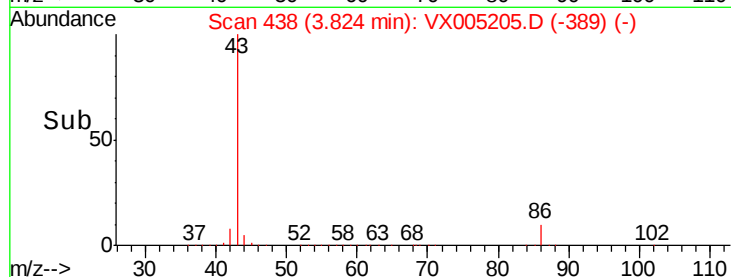
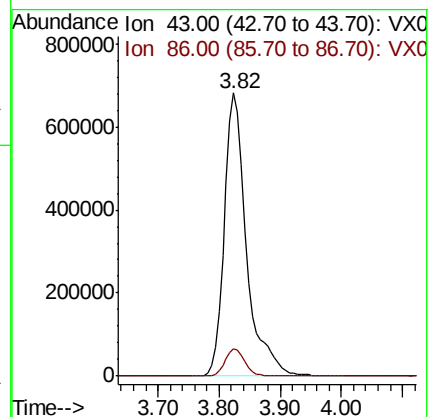
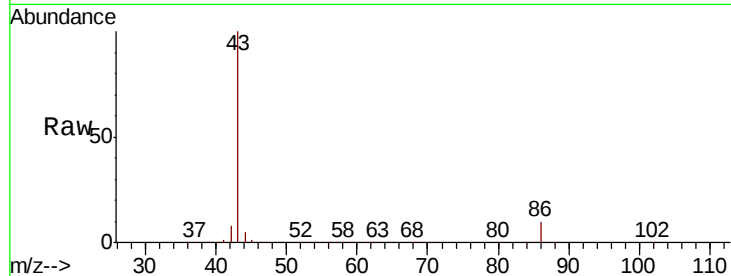
86 9.7 8.1 12.1

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 37.830 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX005205.D

Acq: 10 Oct 2018 12:47

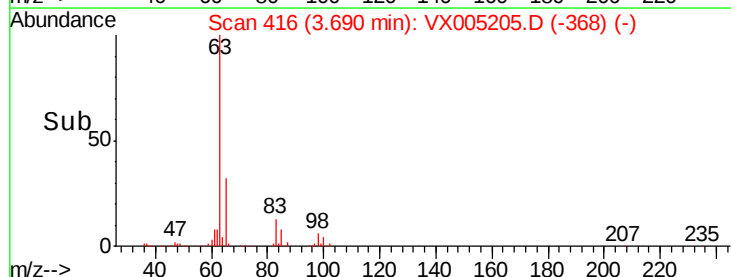
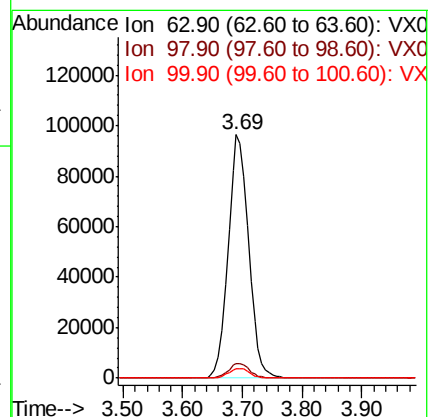
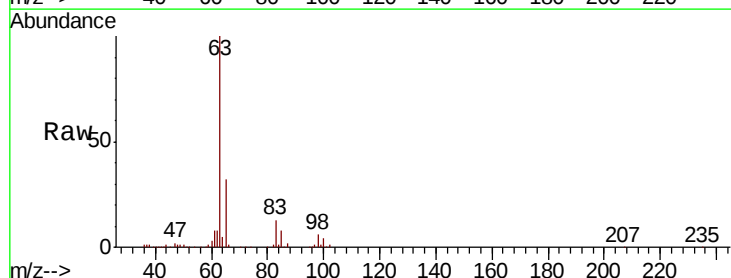
Tgt Ion: 63 Resp: 230005

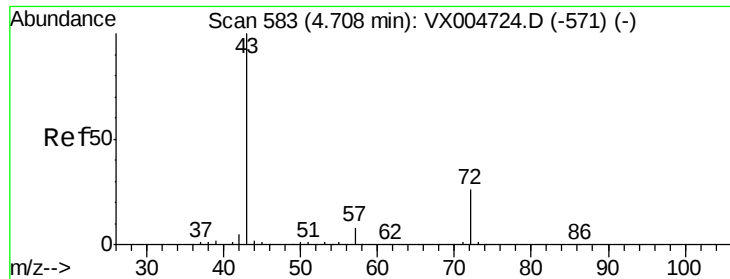
Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

100 4.0 2.0 5.8





#25

2-Butanone

Concen: 183.129 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.00 min

Lab File: VX005205.D

Acq: 10 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 576380

Ion Ratio Lower Upper

43 100

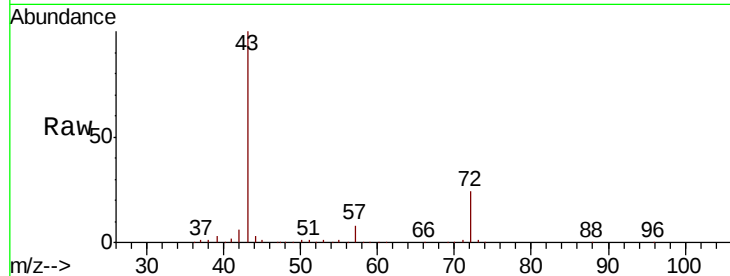
72 24.5 20.8 31.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.71

200000

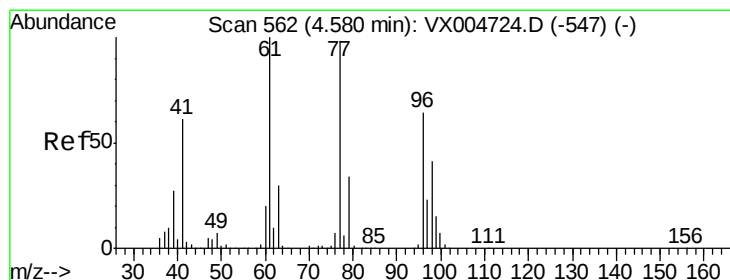
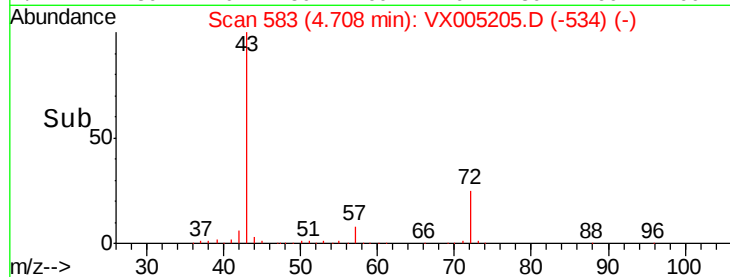
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 35.312 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX005205.D

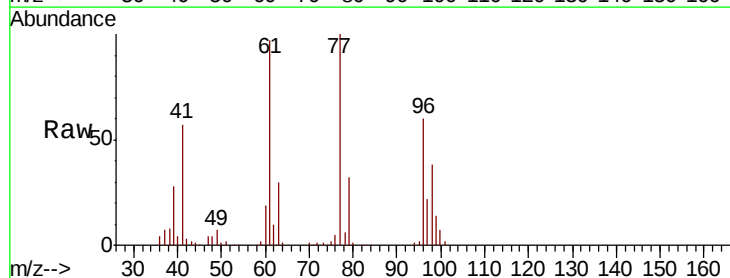
Acq: 10 Oct 2018 12:47

Tgt Ion: 77 Resp: 149507

Ion Ratio Lower Upper

77 100

97 23.4 12.6 37.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.58

50000

40000

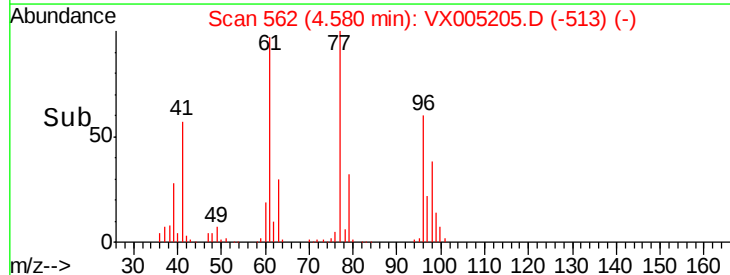
30000

20000

10000

0

Time-->





#27

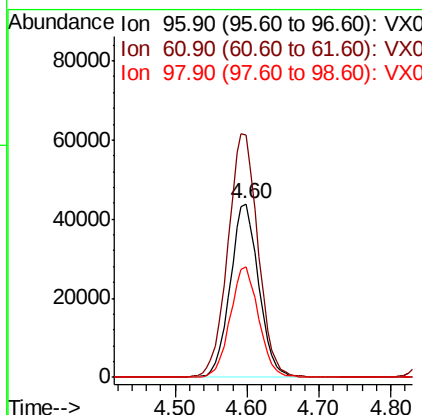
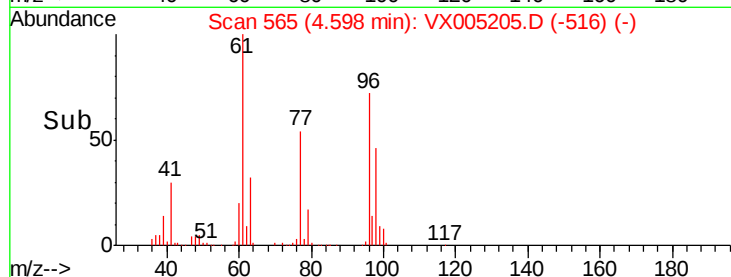
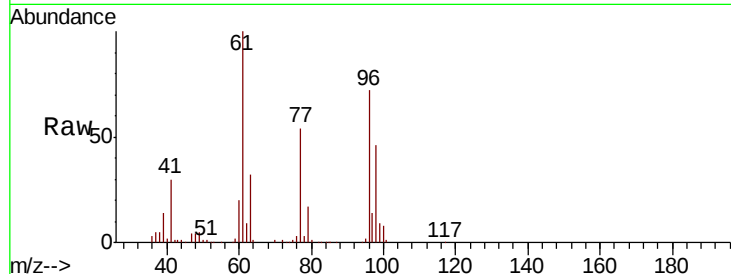
cis-1,2-Dichloroethene
Concen: 35.579 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX005205.D
Acq: 10 Oct 2018 12:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	120703		
61	148.7	0.0	285.8	
98	63.6	0.0	136.2	

Manual Integrations
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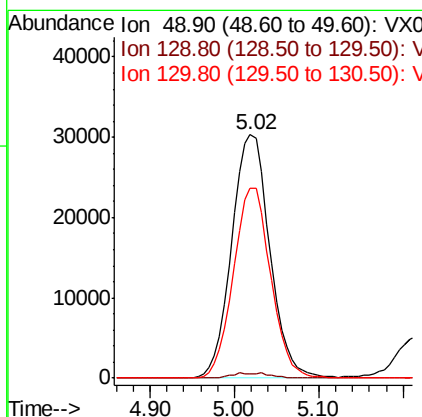
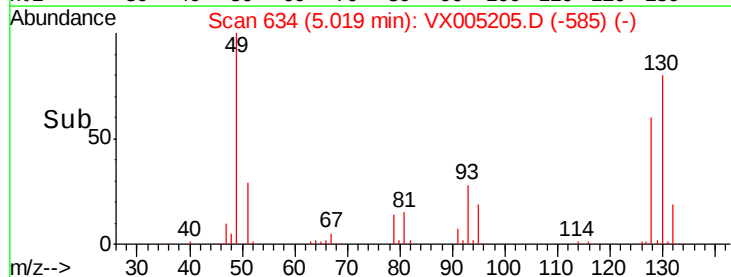
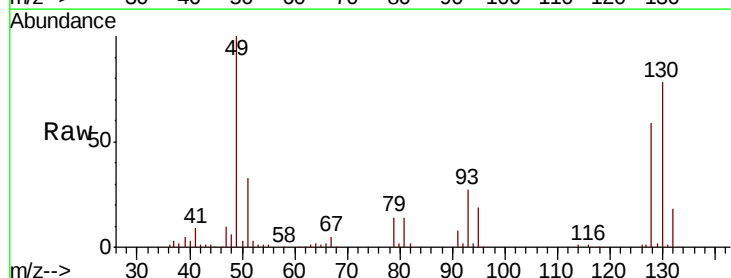
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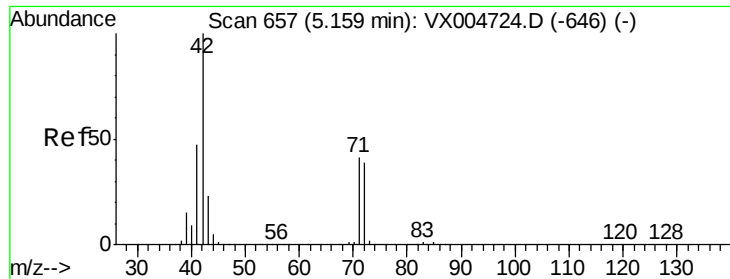


#28

Bromochloromethane
Concen: 32.496 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX005205.D
Acq: 10 Oct 2018 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	93040		
129	2.1	0.0	4.2	
130	76.4	62.0	93.0	





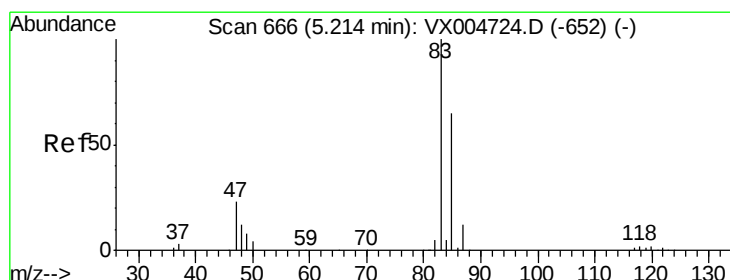
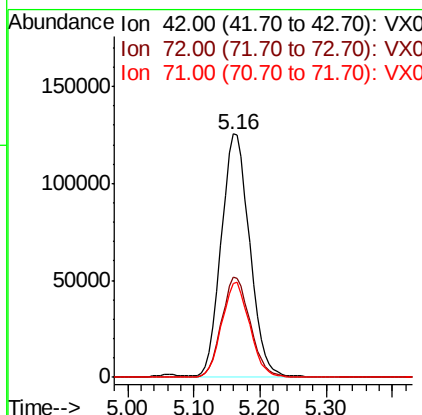
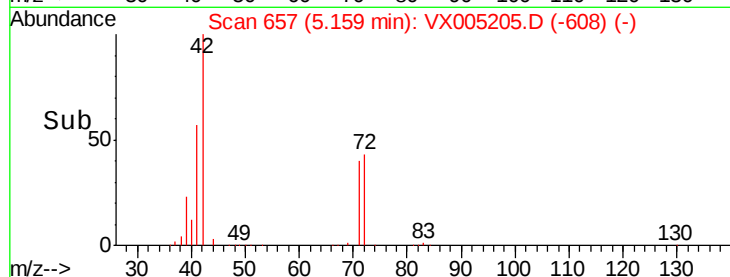
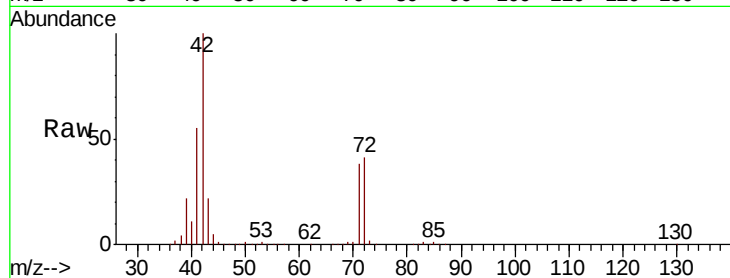
#29
Tetrahydrofuran
Concen: 190.875 ug/l
RT: 5.16 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX005205.D
Acq: 10 Oct 2018 12:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	42	Resp:	373394
Ion Ratio		Lower	Upper
42	100		
72	41.4	33.7	50.5
71	38.4	32.2	48.4

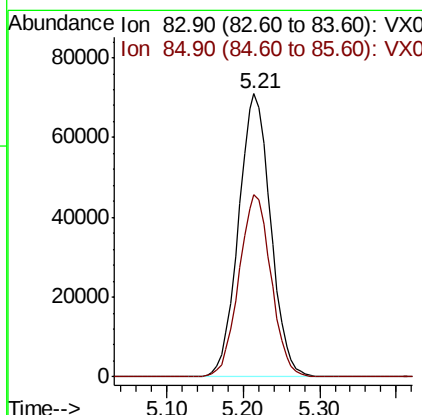
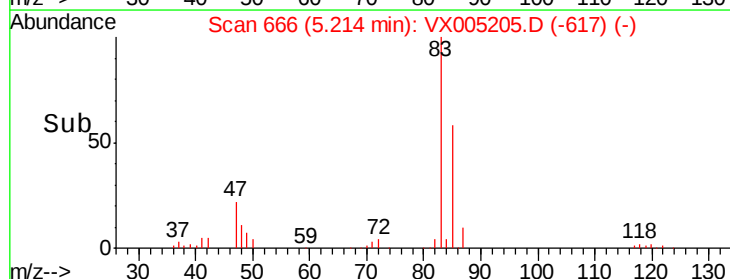
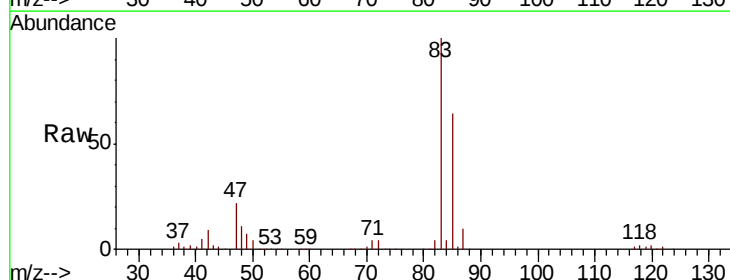
Manual Integrations
APPROVED

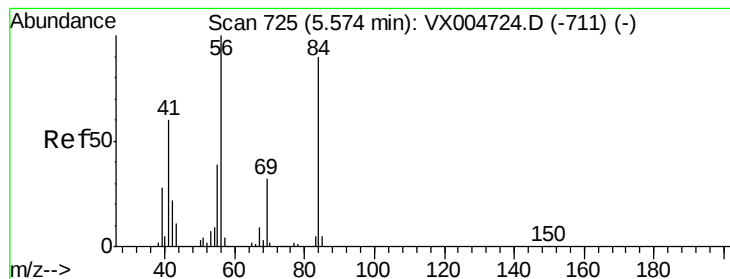
MMDadoda
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#30
Chloroform
Concen: 35.937 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005205.D
Acq: 10 Oct 2018 12:47

Tgt Ion:	83	Resp:	206499
Ion Ratio		Lower	Upper
83	100		
85	64.2	52.4	78.6





#31

Cyclohexane

Concen: 39.744 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX005205.D

Acq: 10 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 184946

Ion Ratio Lower Upper

56 100

69 29.7 25.9 38.9

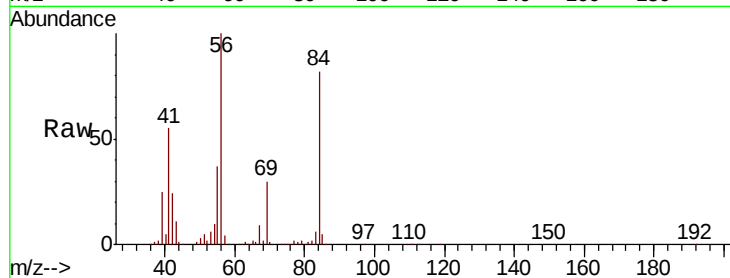
84 80.4 71.9 107.9

Manual Integrations

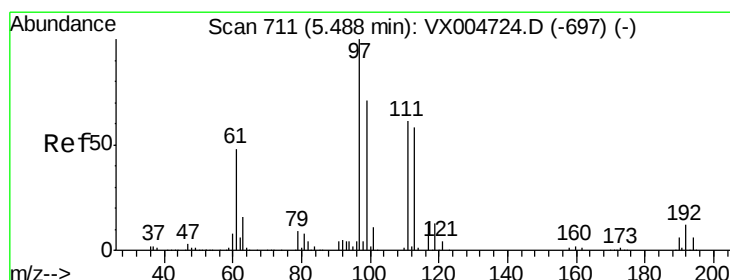
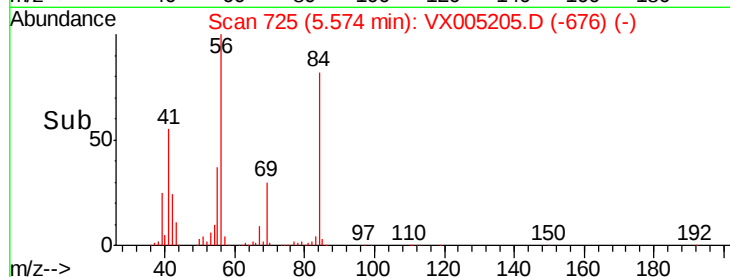
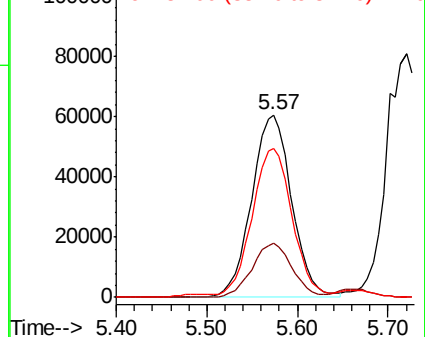
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Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 37.927 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

Lab File: VX005205.D

Acq: 10 Oct 2018 12:47

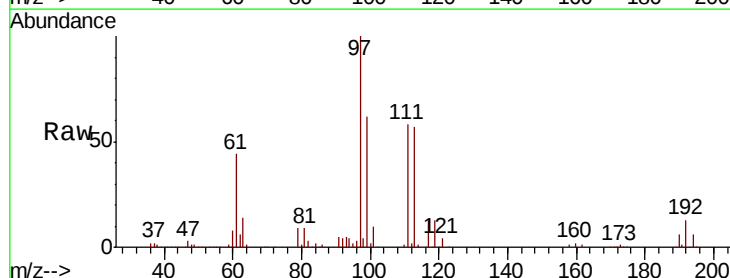
Tgt Ion: 97 Resp: 177982

Ion Ratio Lower Upper

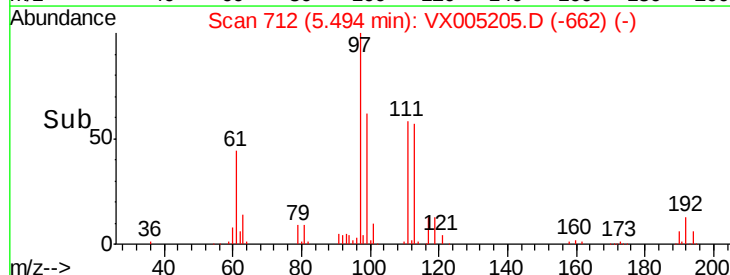
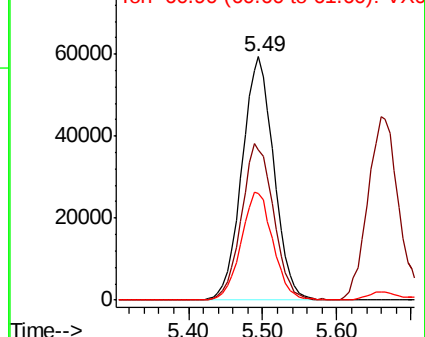
97 100

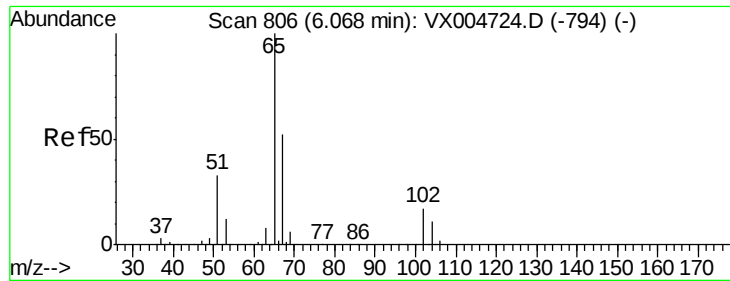
99 64.8 54.6 82.0

61 44.7 37.5 56.3



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 34.845 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005205.D

Acq: 10 Oct 2018 12:47

Tot Ion: 65 Resp: 127441

Ion Ratio Lower Upper

65 100

67 53.6 0.0 107.4

Instrument :

MSVOA_X

ClientSampleId :

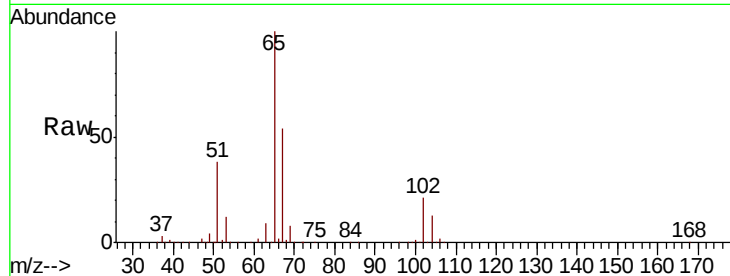
VSTDCCC050EC

Manual Integrations

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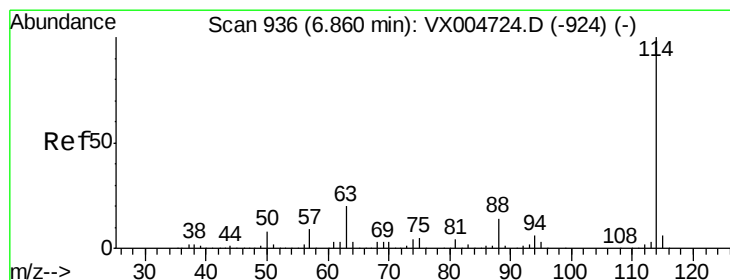
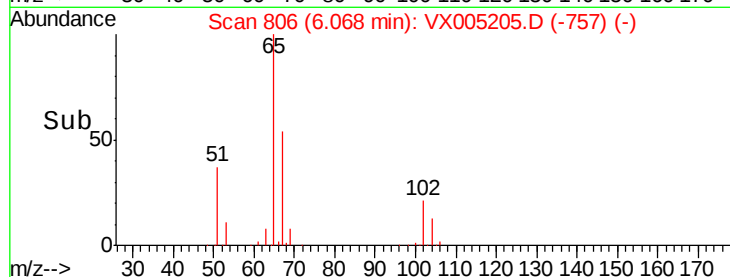
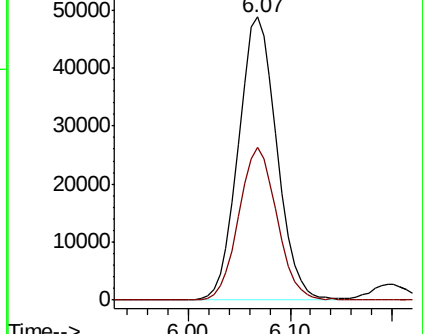
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX005205.D

Acq: 10 Oct 2018 12:47

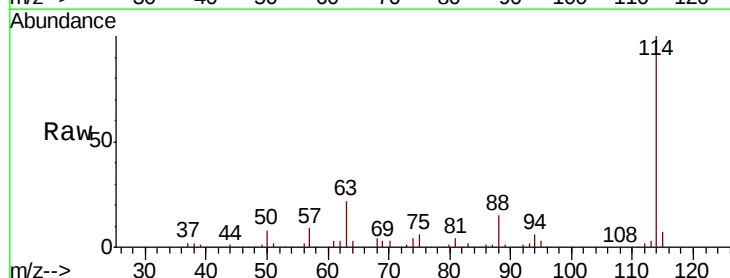
Tgt Ion: 114 Resp: 370304

Ion Ratio Lower Upper

114 100

63 21.6 0.0 39.8

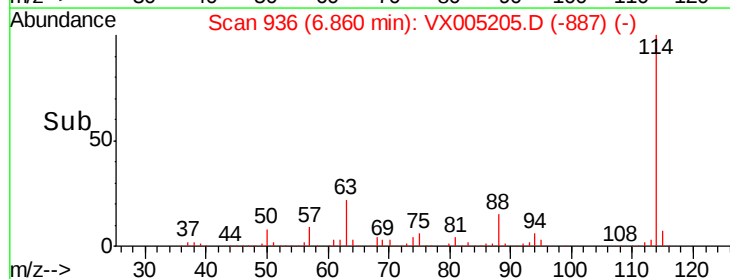
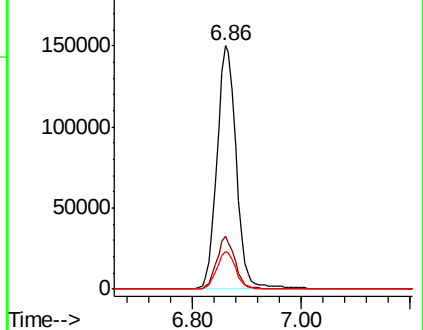
88 15.2 0.0 27.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





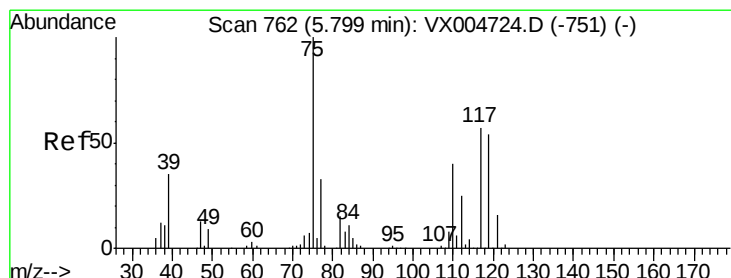
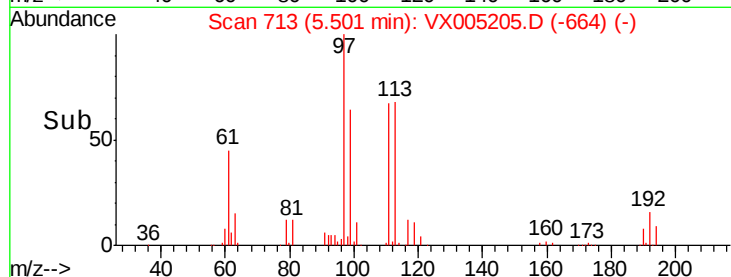
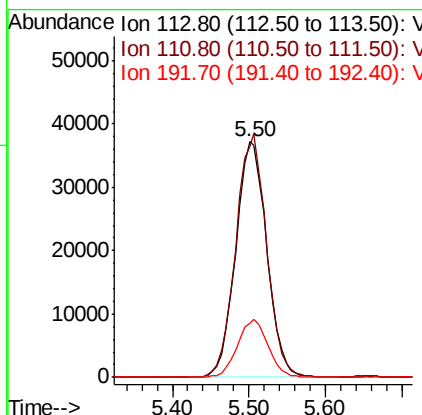
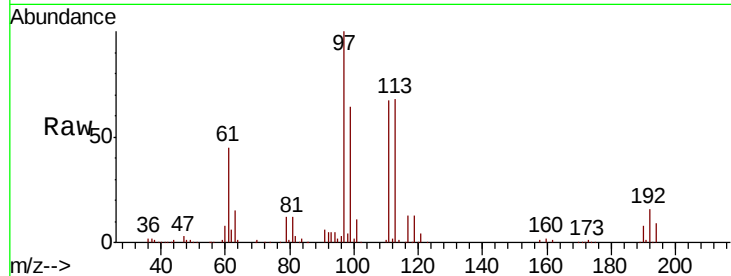
#35
 Dibromofluoromethane
 Concen: 33.341 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005205.D
 Acq: 10 Oct 2018 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	77.0	115.4
192	24.2	17.0	25.6

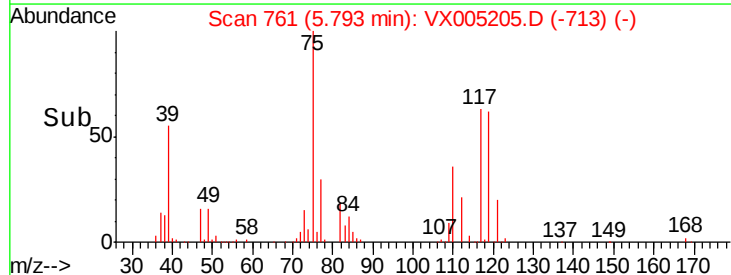
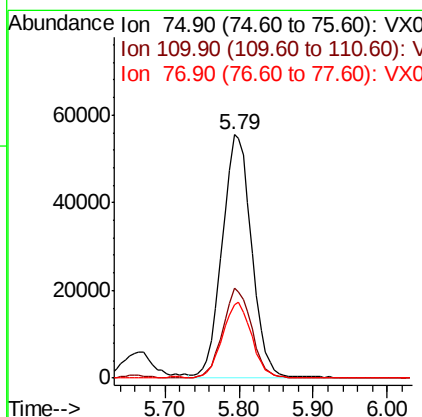
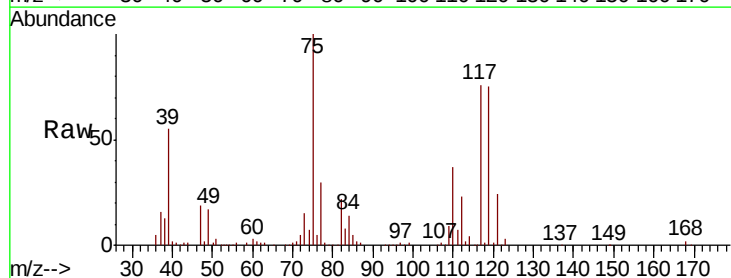
Manual Integrations
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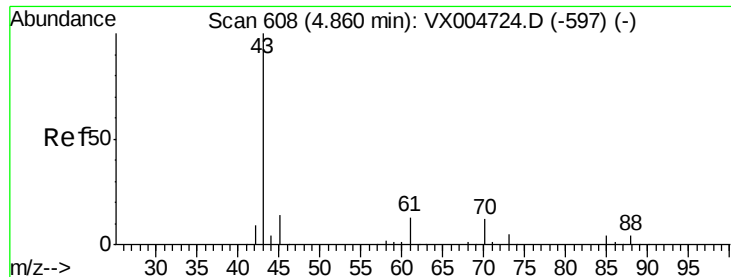
MMDadoda
 10/11/2018 5:02:12 PM



#36
 1,1-Dichloropropene
 Concen: 35.635 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX005205.D
 Acq: 10 Oct 2018 12:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	20.0	59.9
77	31.3	27.1	40.7





#37

Ethyl Acetate

Concen: 34.872 ug/l

RT: 4.86 min Scan# 608

Delta R.T. -0.00 min

Lab File: VX005205.D

Acq: 10 Oct 2018 12:47

Instrument :

MSVOA_X

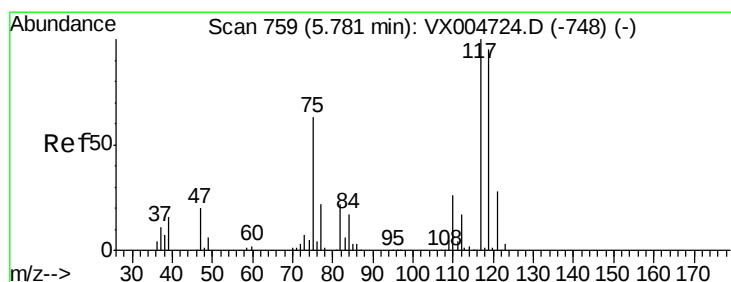
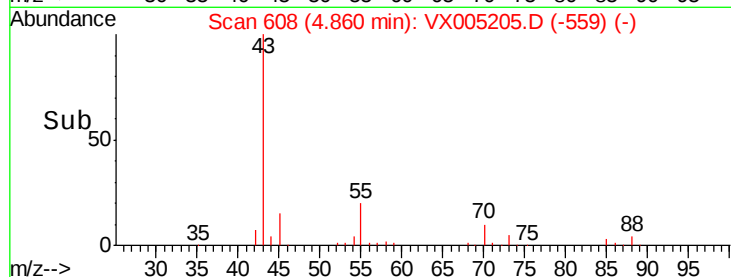
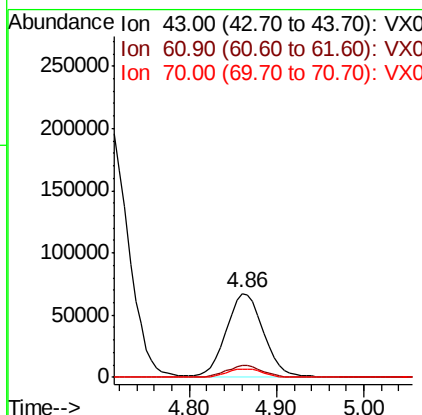
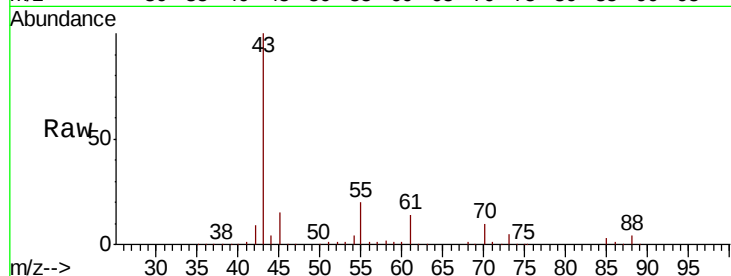
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	198205
Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.4	15.6
70	10.3	8.7	13.1

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 35.428 ug/l

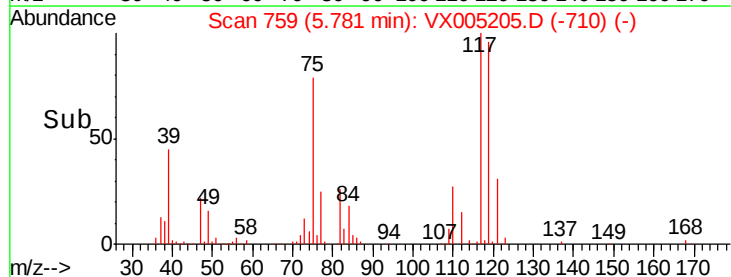
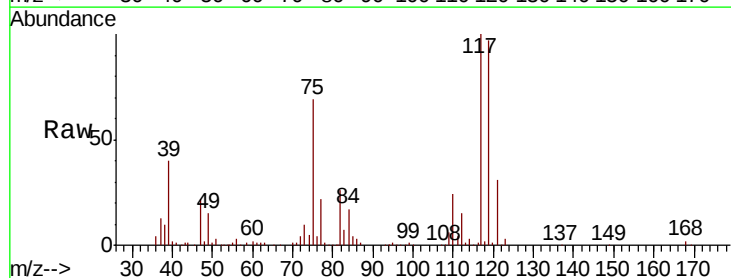
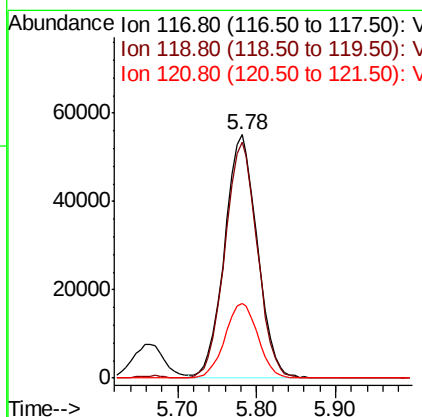
RT: 5.78 min Scan# 759

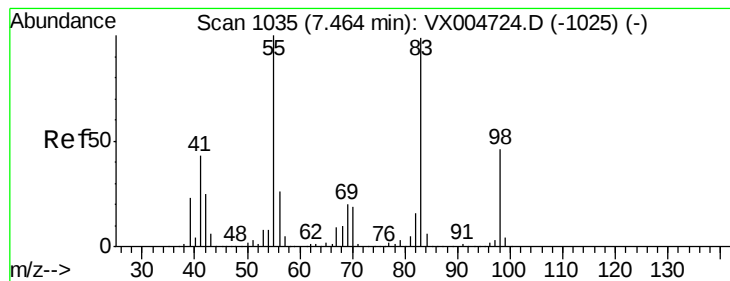
Delta R.T. -0.00 min

Lab File: VX005205.D

Acq: 10 Oct 2018 12:47

Tgt Ion:	117	Resp:	159465
Ion	Ratio	Lower	Upper
117	100		
119	96.6	75.2	112.8
121	30.8	22.5	33.7





#39

Methvlcvclohexane

Concen: 40.615 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX005205.D

Acq: 10 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 177583

Ion Ratio Lower Upper

83 100

55 81.4 81.1 121.7

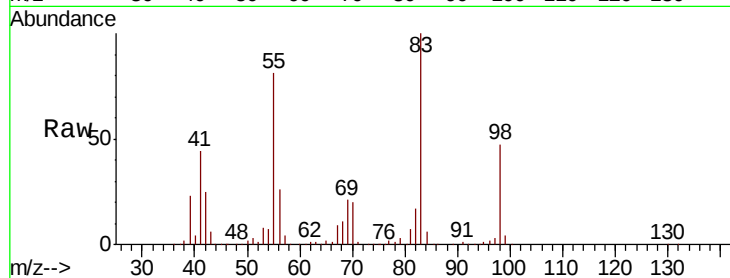
98 47.2 37.3 55.9

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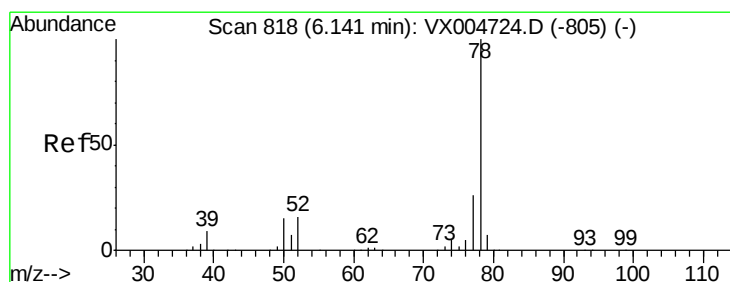
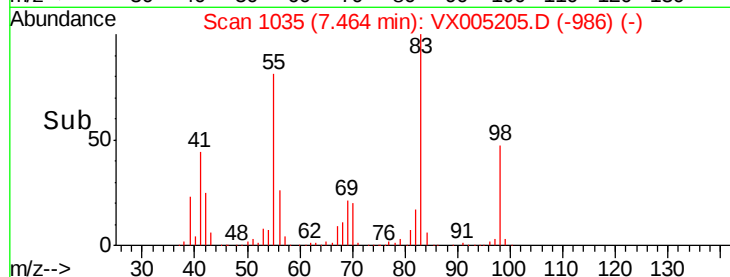
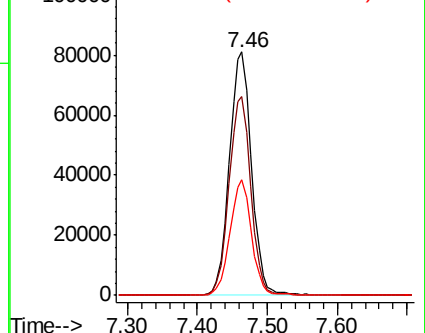
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Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#40

Benzene

Concen: 34.352 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX005205.D

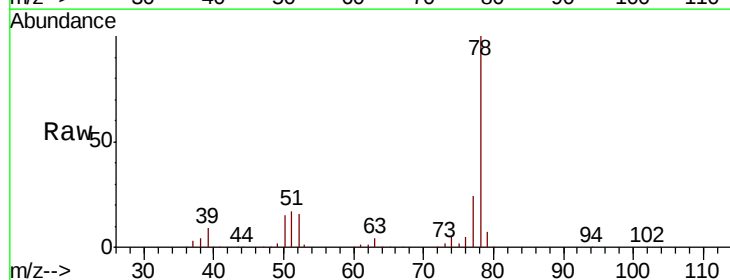
Acq: 10 Oct 2018 12:47

Tgt Ion: 78 Resp: 460504

Ion Ratio Lower Upper

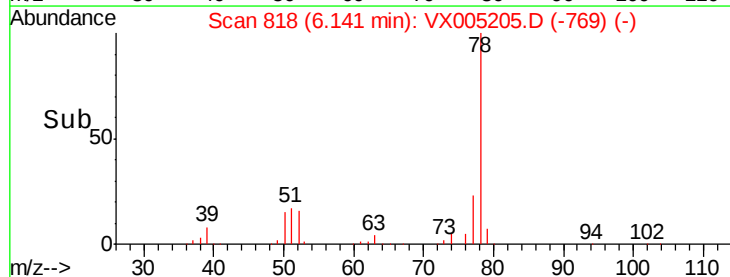
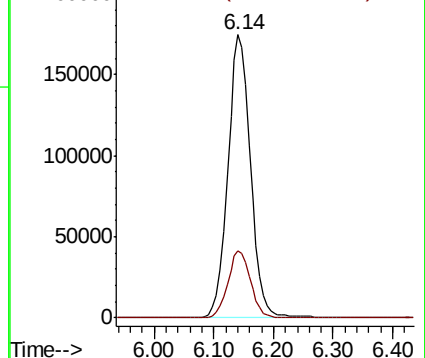
78 100

77 23.5 21.0 31.4



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





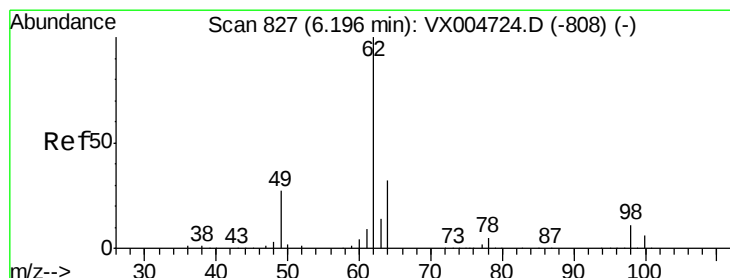
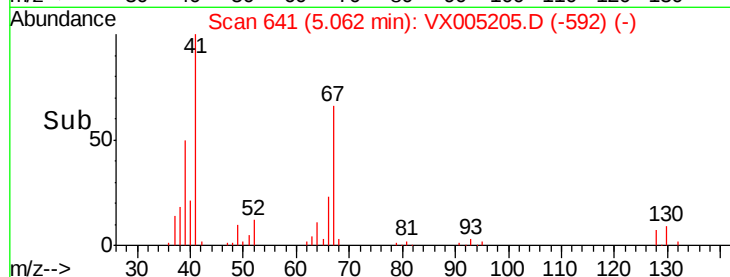
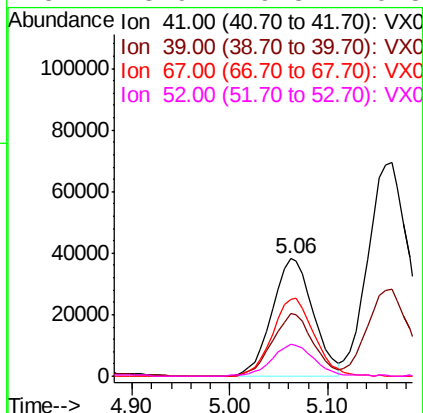
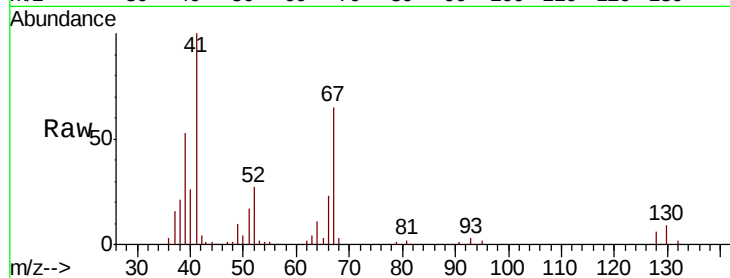
#41
Methacrylonitrile
Concen: 35.442 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX005205.D
Acq: 10 Oct 2018 12:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.8	42.5	63.7	
67	67.6	53.0	79.6	
52	28.9	19.8	29.8	

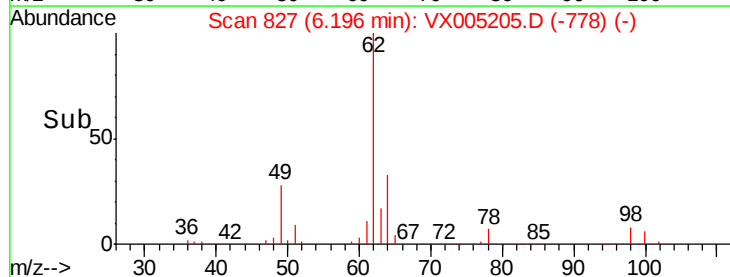
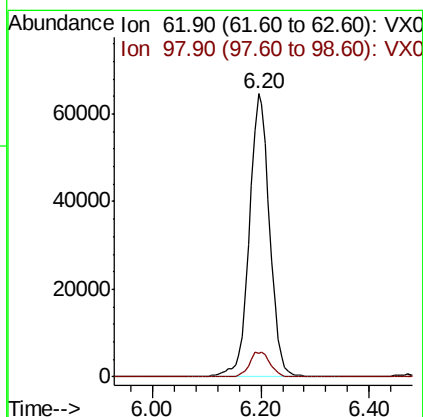
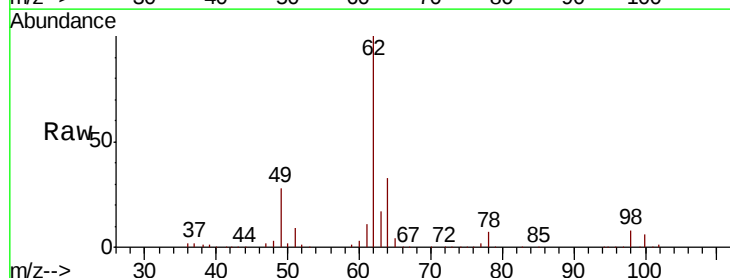
Manual Integrations
APPROVED

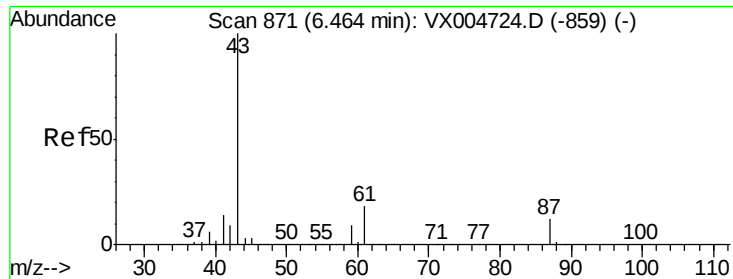
MMDadoda
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#42
1,2-Dichloroethane
Concen: 35.143 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX005205.D
Acq: 10 Oct 2018 12:47

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	0.0	20.2	





#43

Isopropyl Acetate

Concen: 35.568 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX005205.D

Acq: 10 Oct 2018 12:47

Instrument :

MSVOA_X

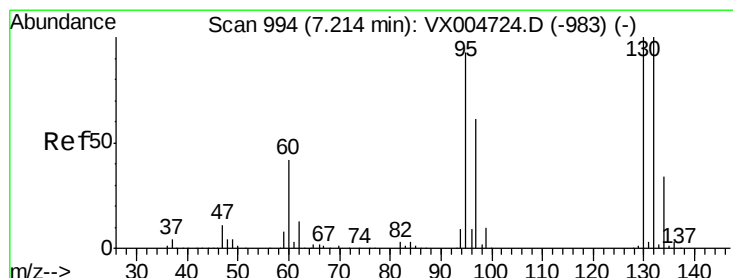
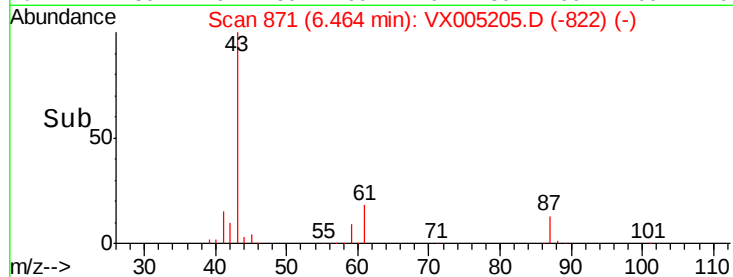
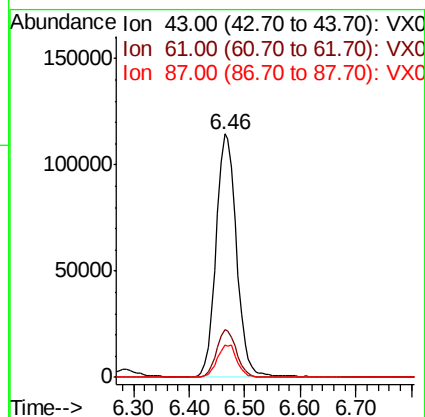
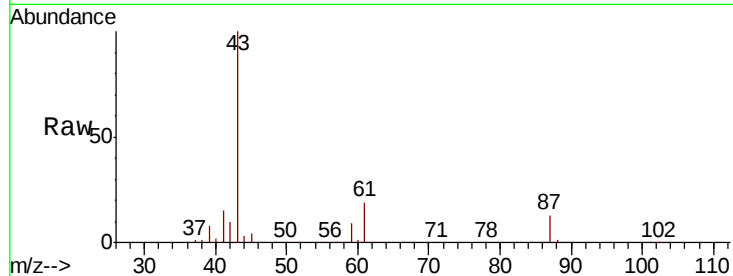
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	291788
Ion	Ratio	Lower	Upper
43	100		
61	19.4	14.2	21.4
87	13.1	9.3	13.9

Manual Integrations
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10/11/2018 5:02:12 PM



#44

Trichloroethene

Concen: 37.603 ug/l

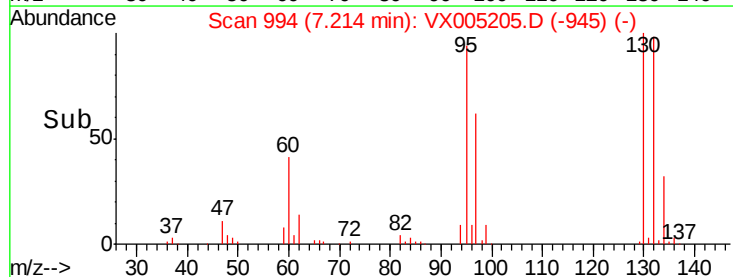
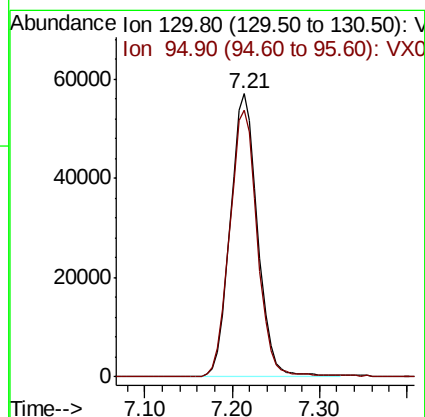
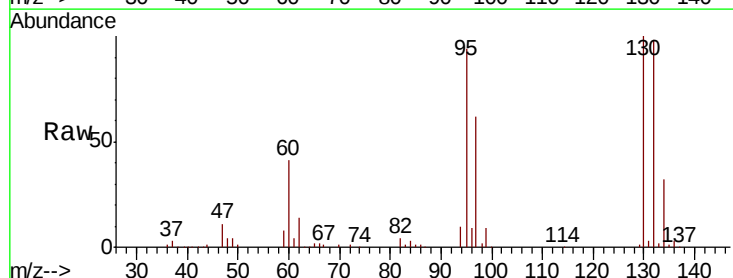
RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX005205.D

Acq: 10 Oct 2018 12:47

Tgt Ion:	130	Resp:	123918
Ion	Ratio	Lower	Upper
130	100		
95	94.1	0.0	186.8





#45

1,2-Dichloropropane

Concen: 37.934 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX005205.D

Acq: 10 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 124705

Ion Ratio Lower Upper

63 100

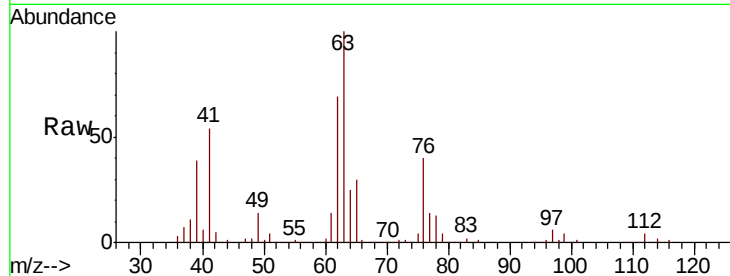
65 30.4 23.9 35.9

Manual Integrations

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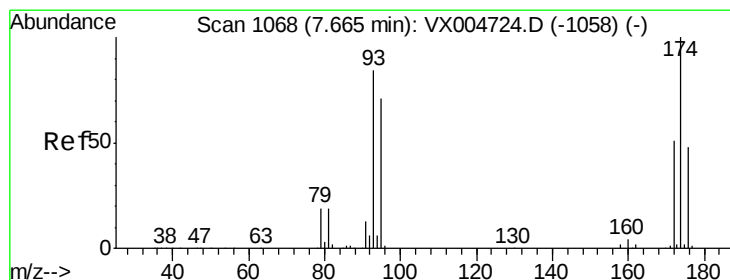
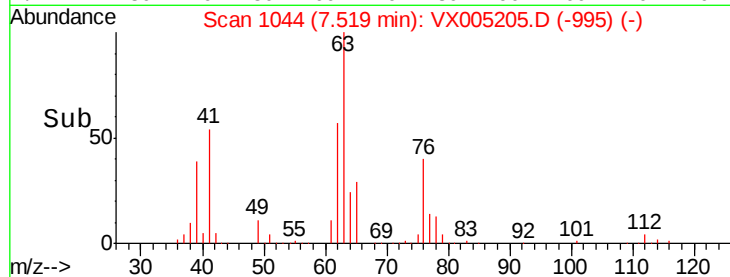
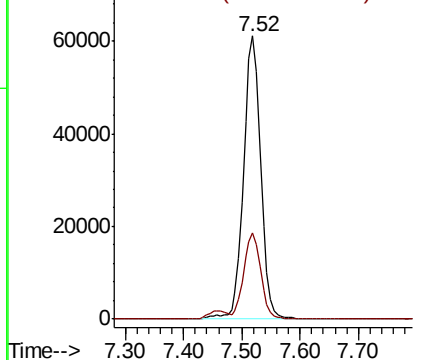
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 38.909 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX005205.D

Acq: 10 Oct 2018 12:47

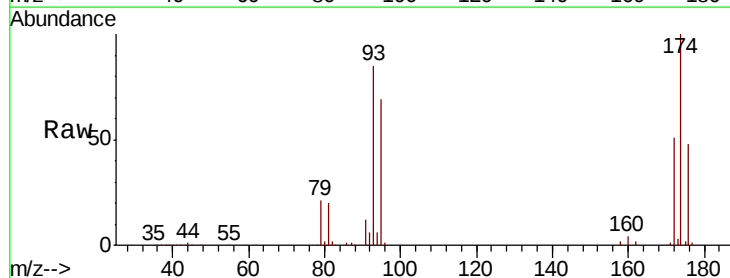
Tgt Ion: 93 Resp: 80387

Ion Ratio Lower Upper

93 100

95 83.5 66.7 100.1

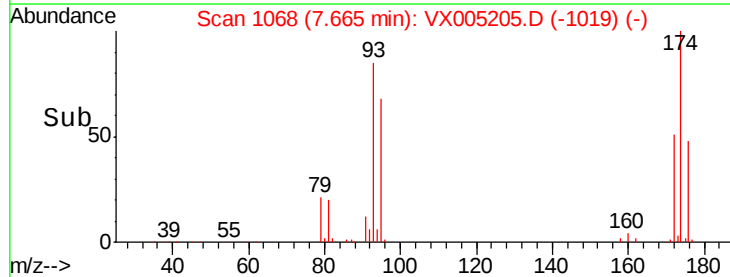
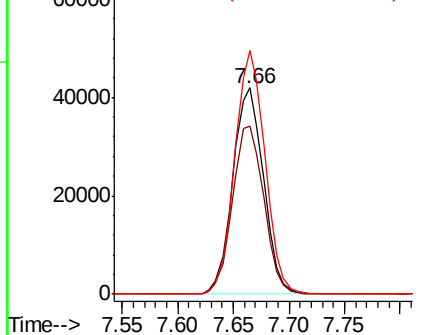
174 116.3 92.7 139.1

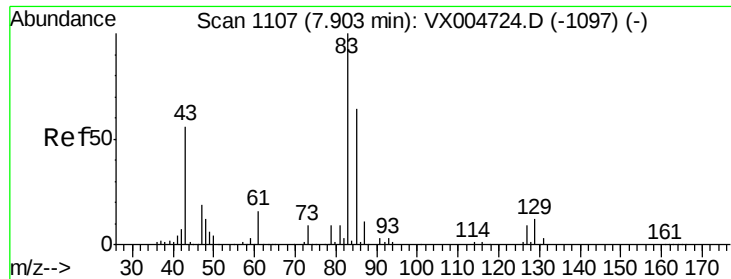


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 39.978 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VX005205.D

Acq: 10 Oct 2018 12:47

Instrument :

MSVOA_X

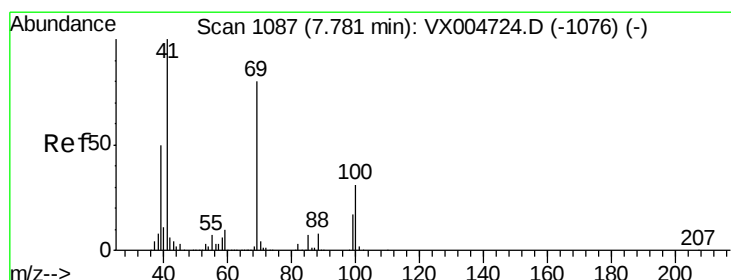
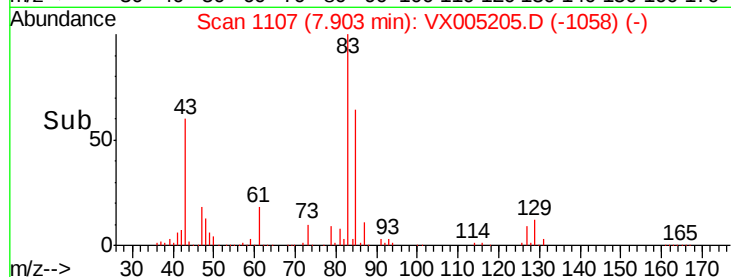
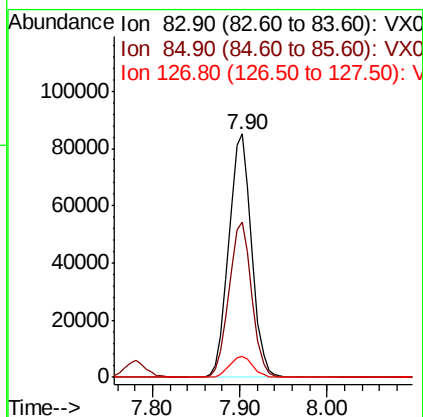
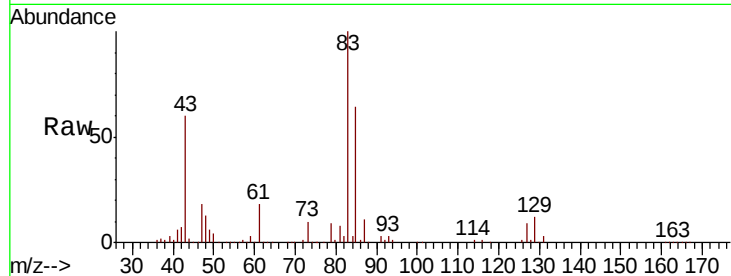
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	154641
Ion Ratio	Lower	Upper	
83	100		
85	63.6	51.2	76.8
127	8.7	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 42.091 ug/l

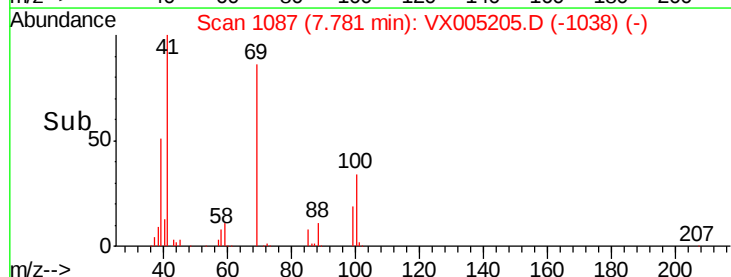
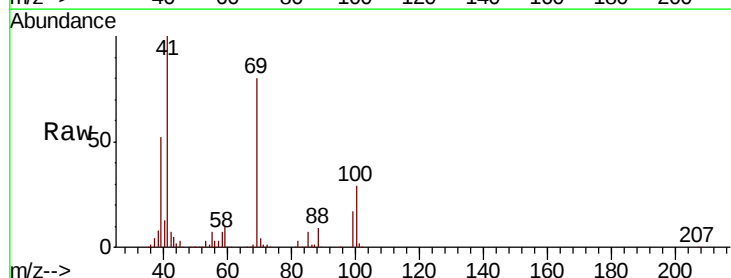
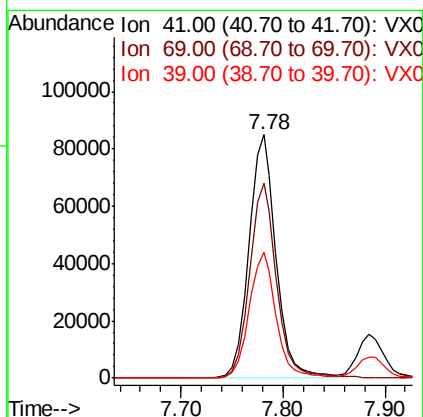
RT: 7.78 min Scan# 1087

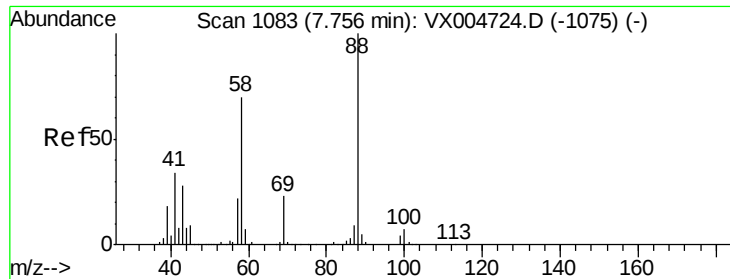
Delta R.T. -0.00 min

Lab File: VX005205.D

Acq: 10 Oct 2018 12:47

Tgt Ion:	41	Resp:	156729
Ion Ratio	Lower	Upper	
41	100		
69	80.4	63.8	95.6
39	51.3	40.7	61.1





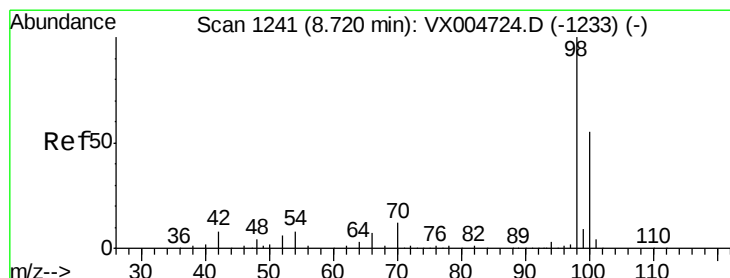
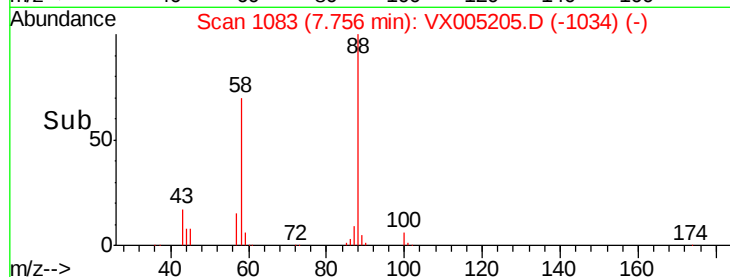
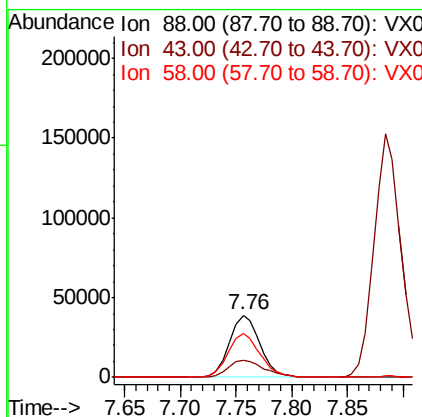
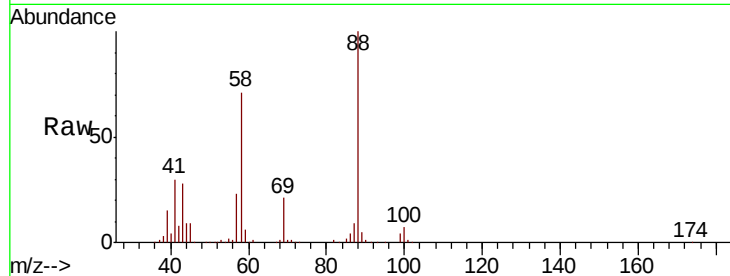
#49
 1,4-Dioxane
 Concen: 802.627 ug/l
 RT: 7.76 min Scan# 1083
 Delta R.T. -0.00 min
 Lab File: VX005205.D
 Acq: 10 Oct 2018 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.5	25.1	37.7
58	73.5	56.2	84.2

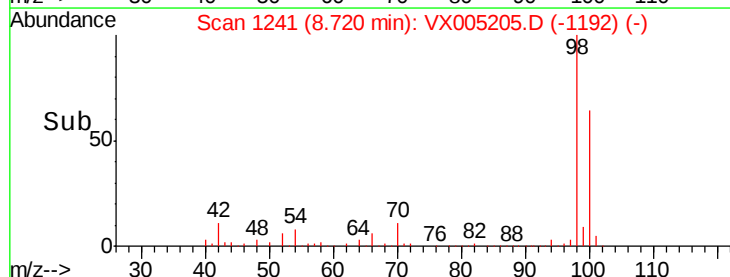
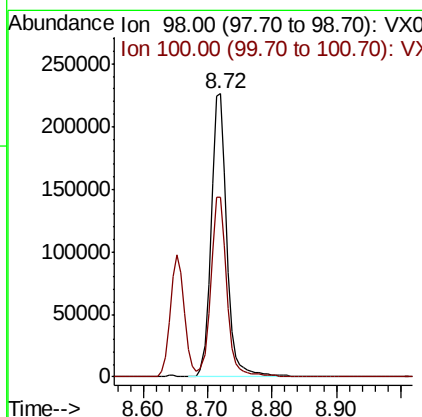
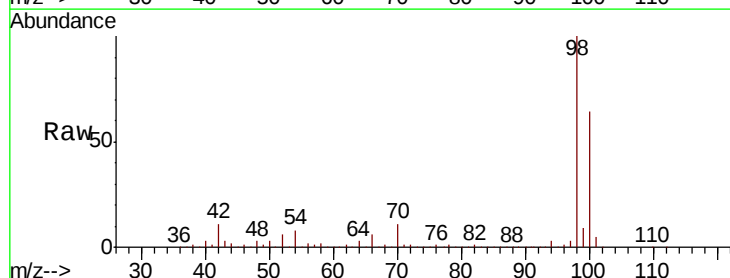
Manual Integrations
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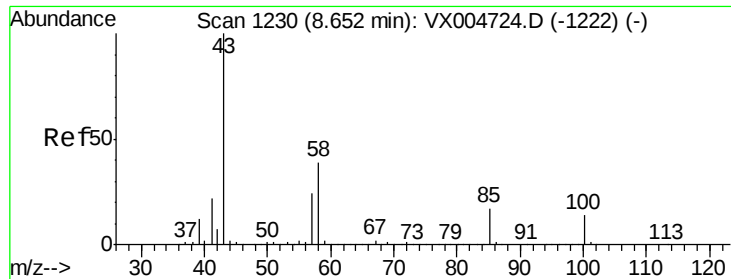
MMDadoda
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#50
 Toluene-d8
 Concen: 36.936 ug/l
 RT: 8.72 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VX005205.D
 Acq: 10 Oct 2018 12:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.9	77.9





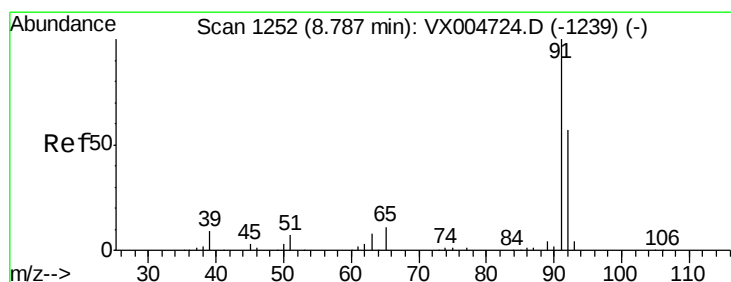
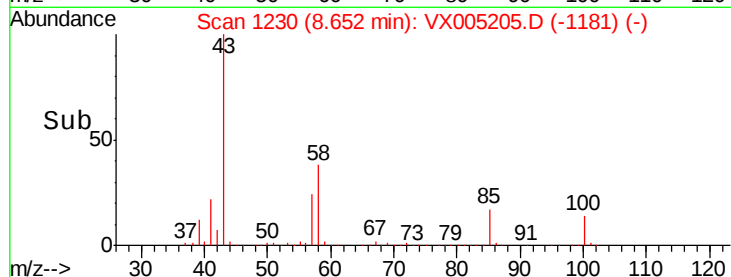
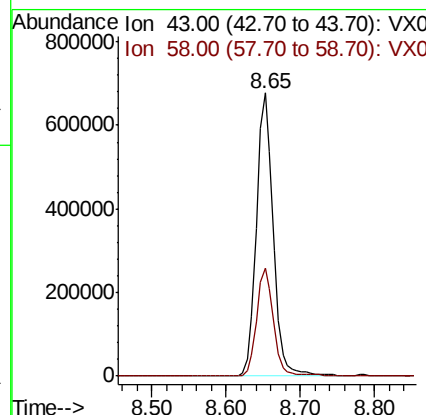
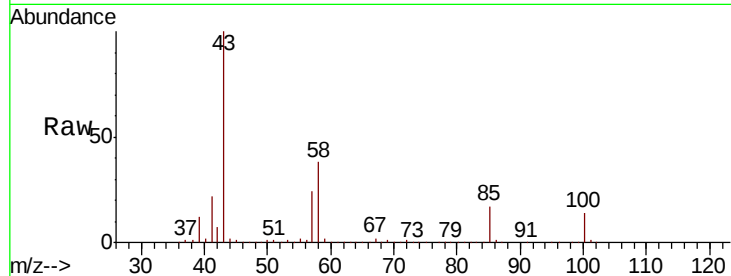
#51
4-Methyl-2-Pentanone
Concen: 208.381 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VX005205.D
Acq: 10 Oct 2018 12:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1076380
Ion Ratio Lower Upper
43 100
58 38.5 30.5 45.7

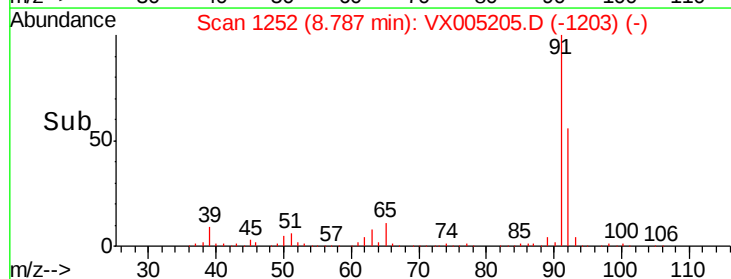
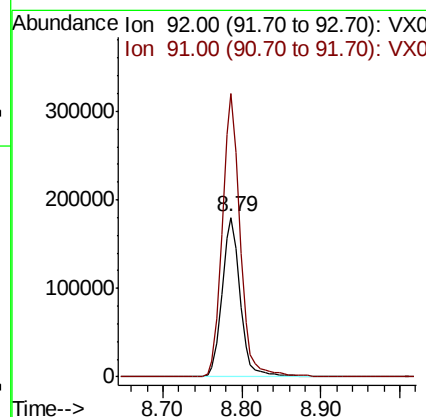
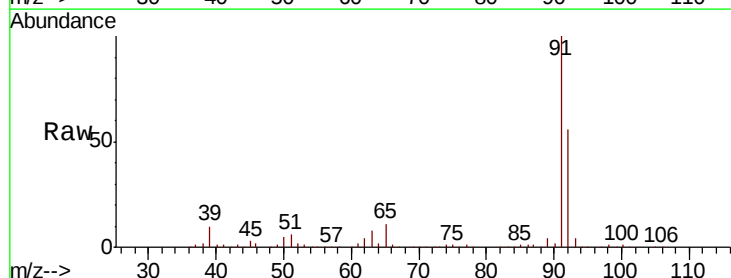
Manual Integrations
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#52
Toluene
Concen: 39.159 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX005205.D
Acq: 10 Oct 2018 12:47

Tgt Ion: 92 Resp: 288449
Ion Ratio Lower Upper
92 100
91 175.8 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 38.905 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX005205.D

Acq: 10 Oct 2018 12:47

Tot Ion: 75 Resp: 170059

Ion Ratio Lower Upper

75 100

77 32.1 28.9 43.3

Instrument :

MSVOA_X

ClientSampleId :

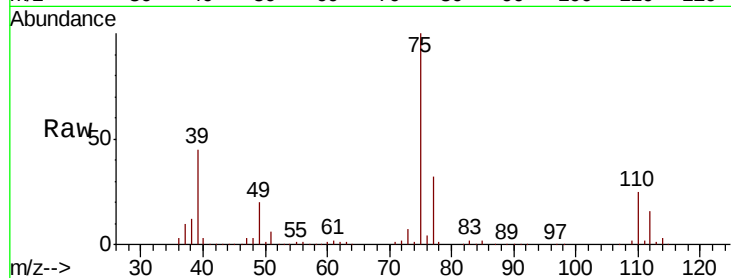
VSTDCCC050EC

Manual Integrations

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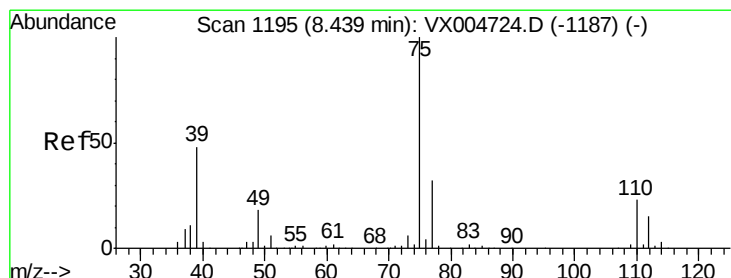
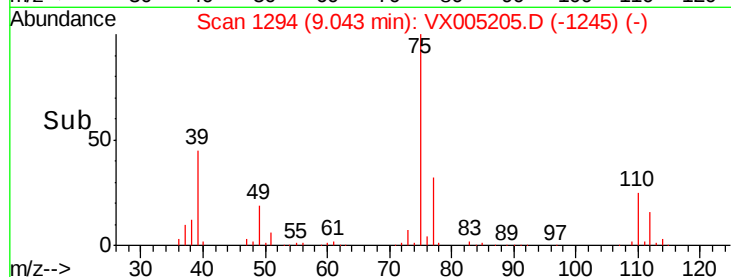
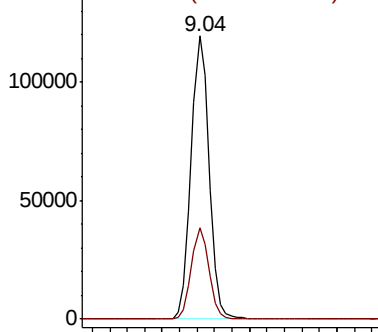
MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 40.800 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. -0.00 min

Lab File: VX005205.D

Acq: 10 Oct 2018 12:47

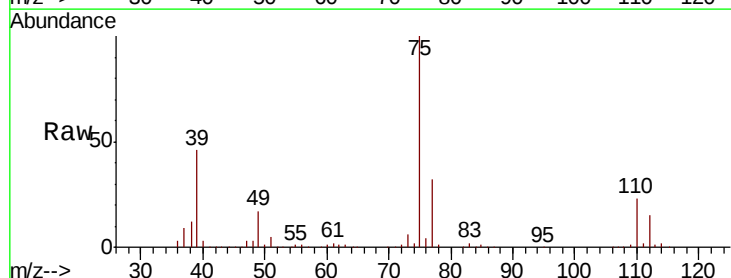
Tgt Ion: 75 Resp: 186799

Ion Ratio Lower Upper

75 100

77 32.2 25.7 38.5

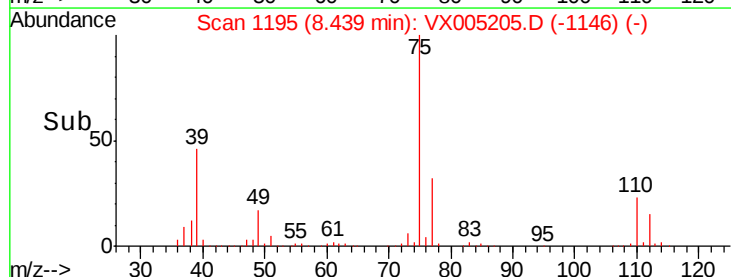
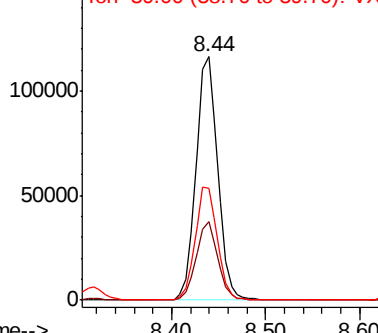
39 45.6 38.3 57.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





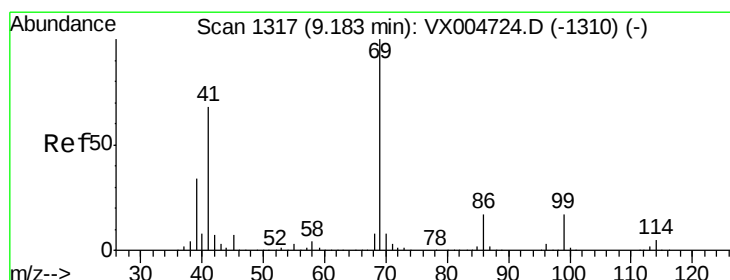
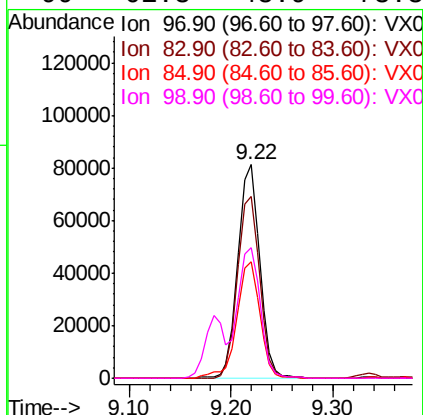
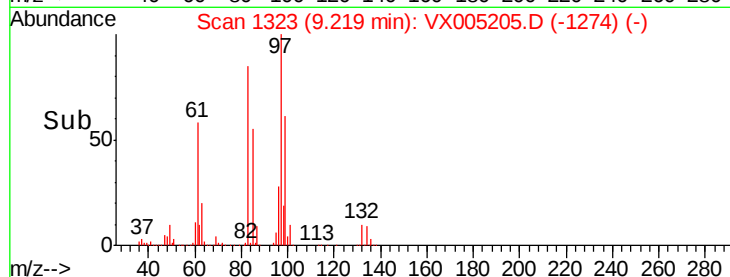
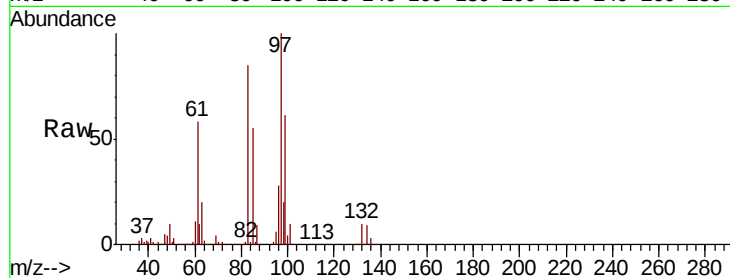
#55
1,1,2-Trichloroethane
Concen: 37.282 ug/l
RT: 9.22 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX005205.D
Acq: 10 Oct 2018 12:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	85.0	68.2	102.2	
85	54.5	49.9	74.9	
99	61.3	48.9	73.3	

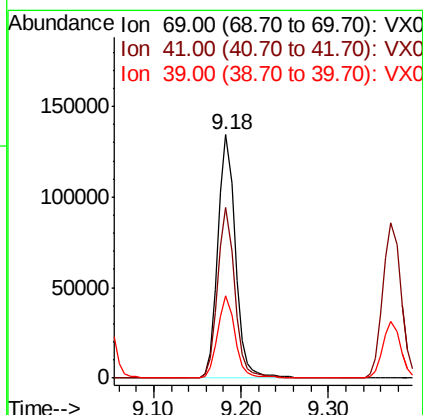
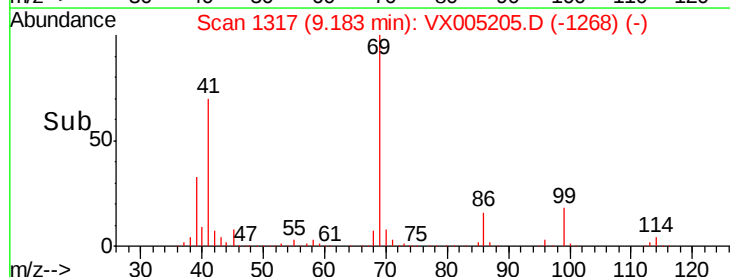
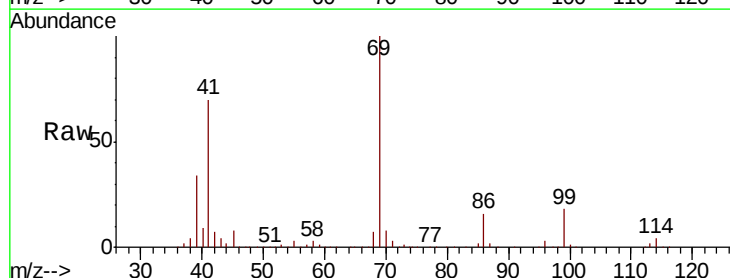
Manual Integrations
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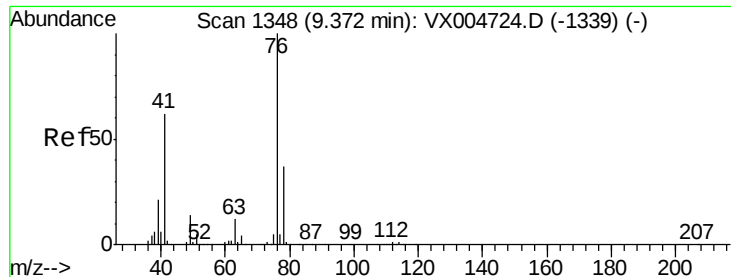
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#56
Ethyl methacrylate
Concen: 36.397 ug/l
RT: 9.18 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VX005205.D
Acq: 10 Oct 2018 12:47

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	68.5	56.9	85.3	
39	33.8	28.4	42.6	





#57

1,3-Dichloropropane

Concen: 37.628 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005205.D

Acq: 10 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 202063

Ion Ratio Lower Upper

76 100

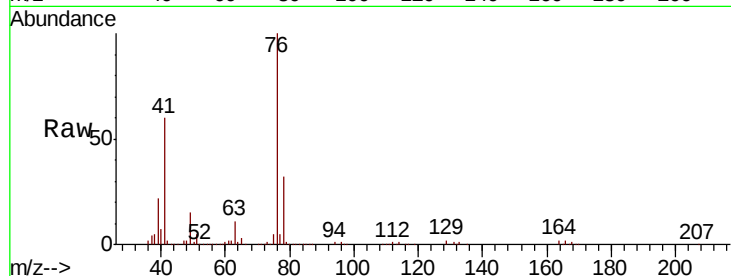
78 32.1 26.6 40.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

150000

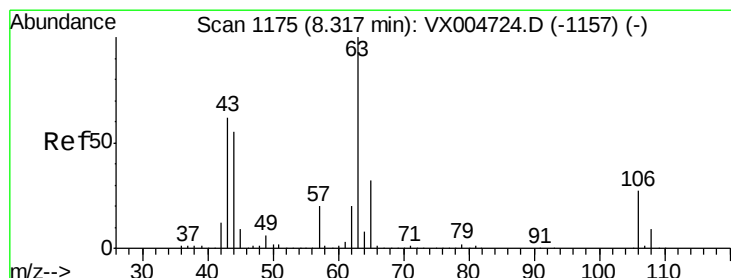
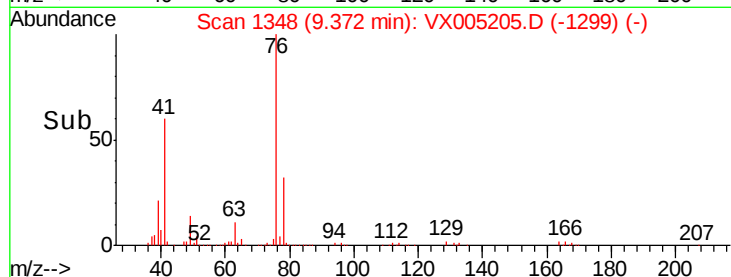
100000

50000

0

9.30 9.40 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 181.760 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VX005205.D

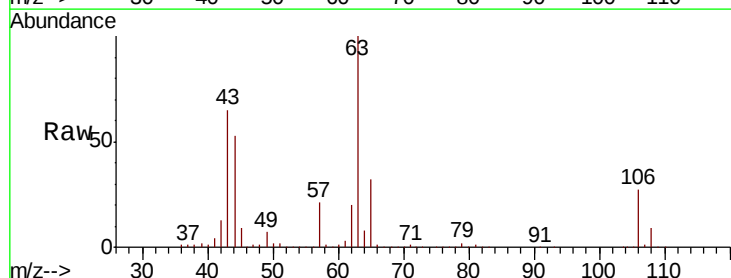
Acq: 10 Oct 2018 12:47

Tgt Ion: 63 Resp: 493858

Ion Ratio Lower Upper

63 100

106 26.7 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

300000

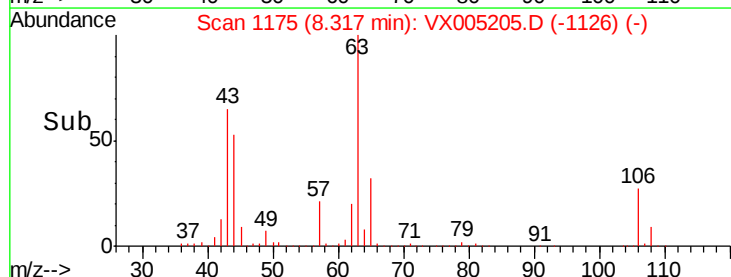
200000

100000

0

8.20 8.30 8.40

Time-->





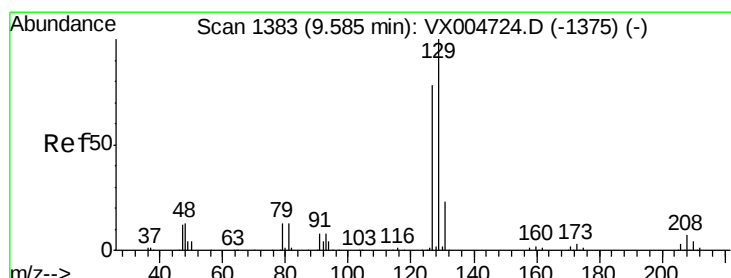
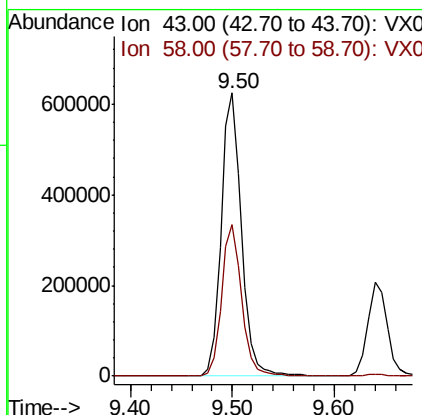
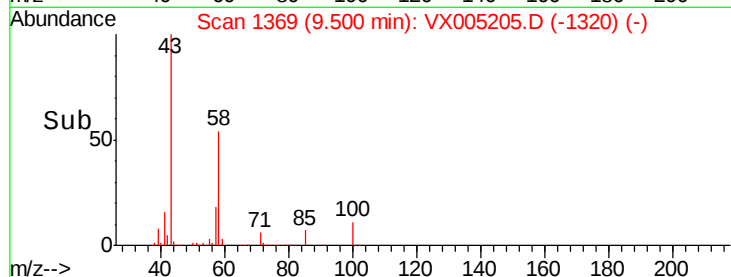
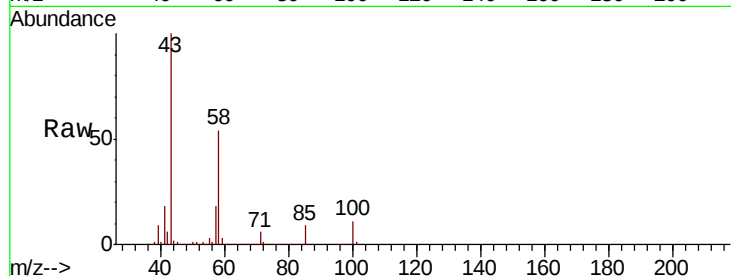
#59
2-Hexanone
Concen: 200.917 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005205.D
Acq: 10 Oct 2018 12:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.1	28.4	85.3

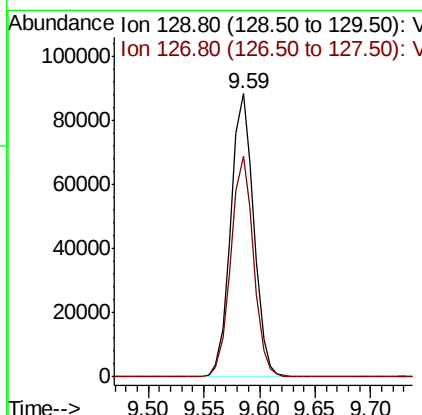
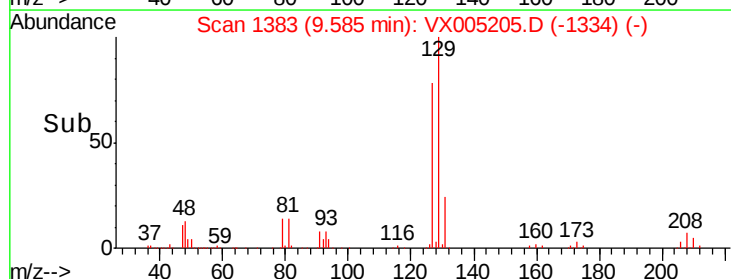
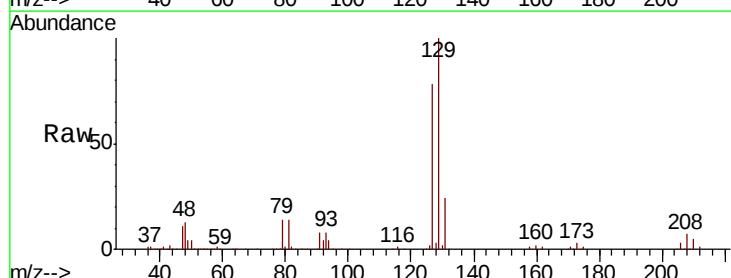
Manual Integrations
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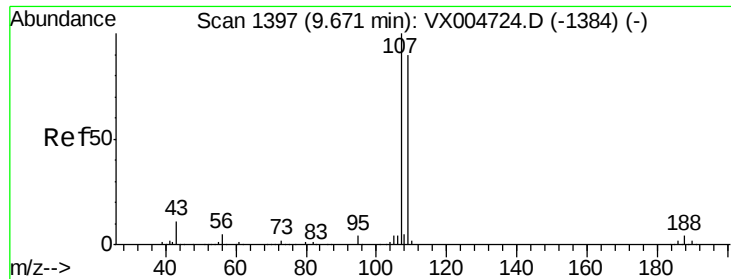
MMDadoda
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#60
Dibromochloromethane
Concen: 39.223 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005205.D
Acq: 10 Oct 2018 12:47

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.9	39.1	117.2





#61

1,2-Dibromoethane

Concen: 36.407 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX005205.D

Acq: 10 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 125804

Ion Ratio Lower Upper

107 100

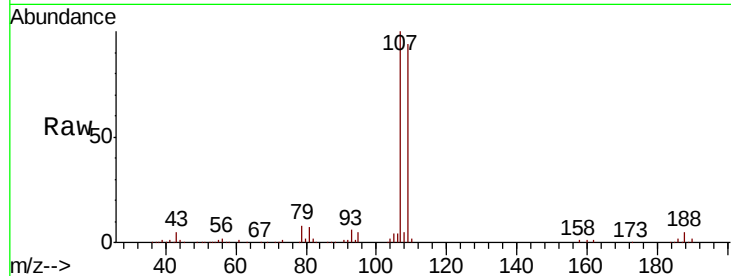
109 94.2 72.1 108.1

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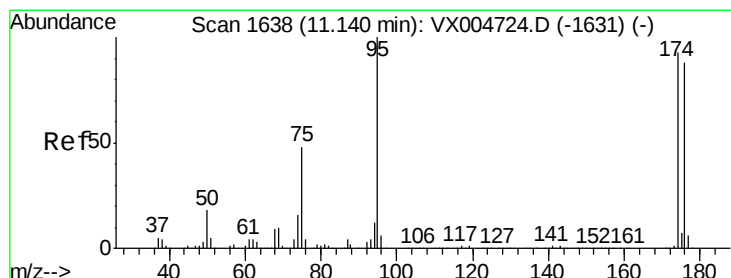
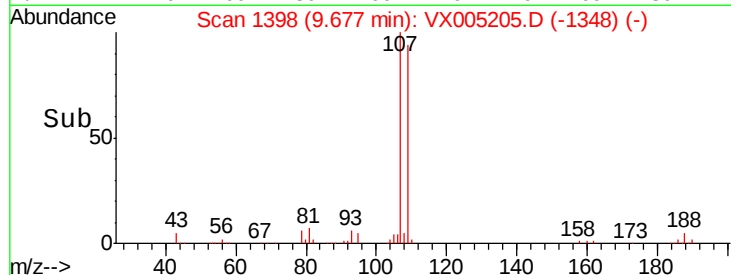
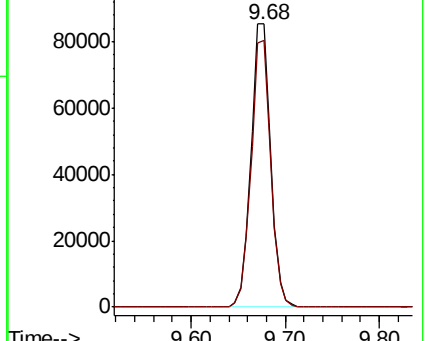
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 39.556 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005205.D

Acq: 10 Oct 2018 12:47

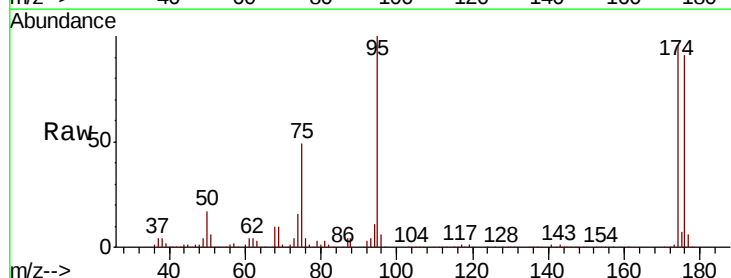
Tgt Ion: 95 Resp: 148680

Ion Ratio Lower Upper

95 100

174 93.1 0.0 185.0

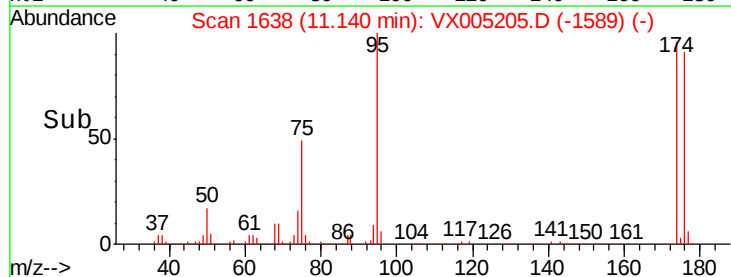
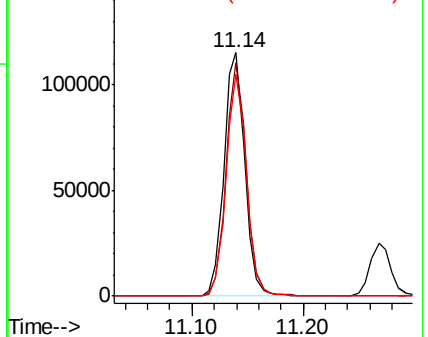
176 89.0 0.0 180.2

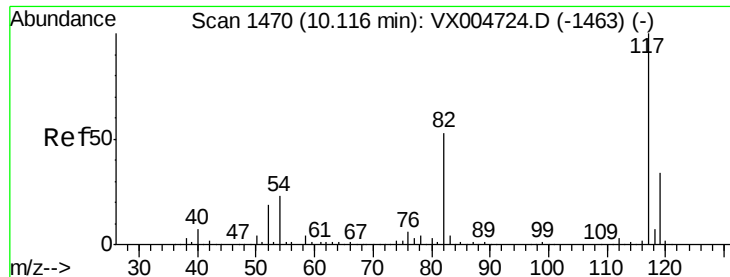


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





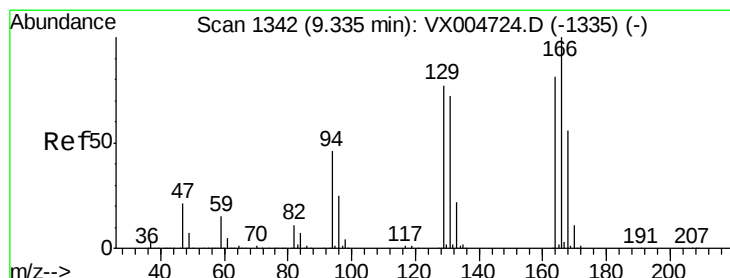
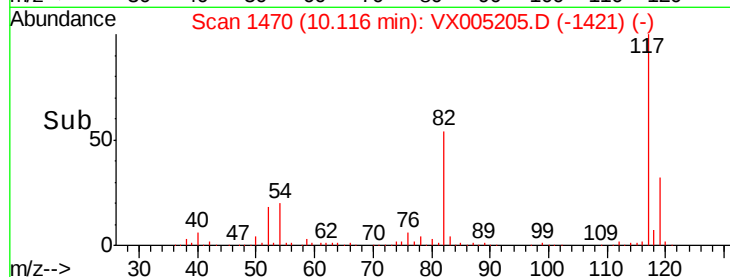
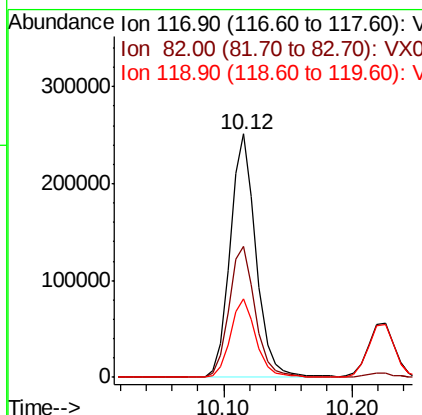
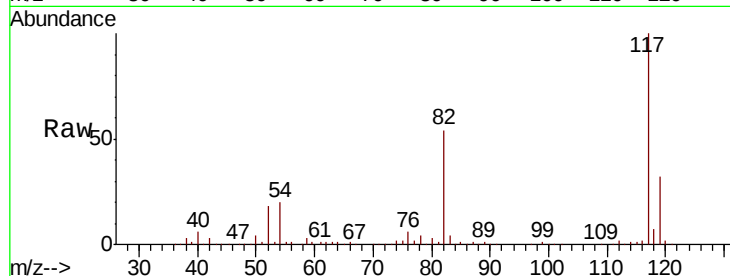
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005205.D
Acq: 10 Oct 2018 12:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	42.2	63.4
119	32.0	27.4	41.0

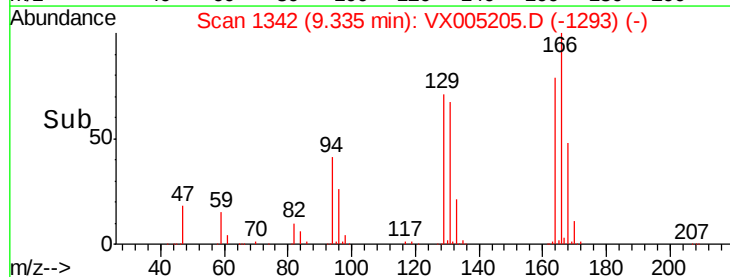
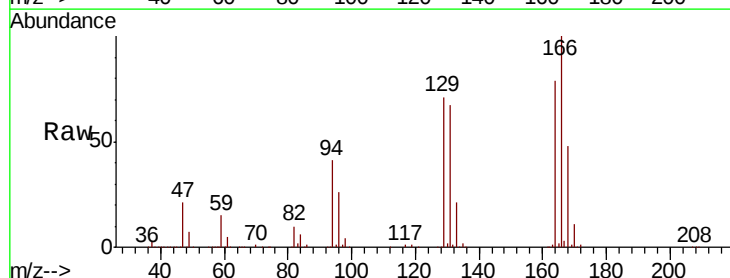
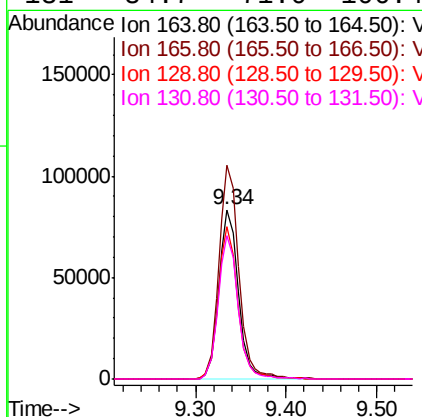
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#64
Tetrachloroethene
Concen: 36.622 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005205.D
Acq: 10 Oct 2018 12:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	98.4	147.6
129	89.5	76.1	114.1
131	84.7	71.0	106.4





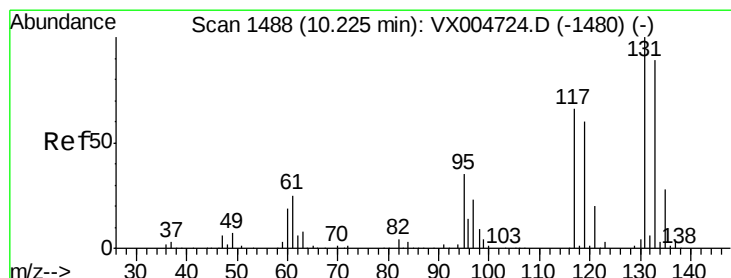
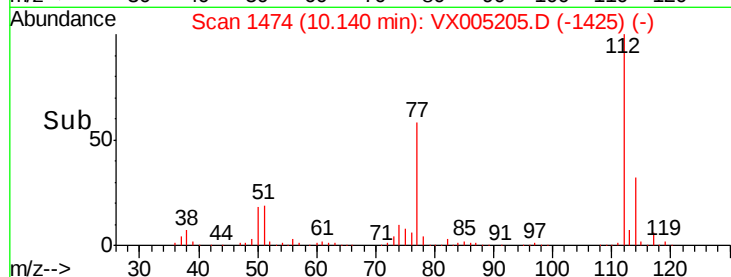
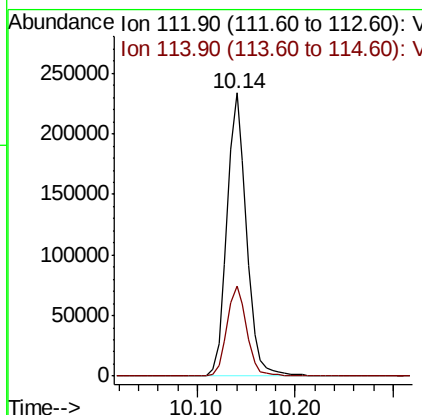
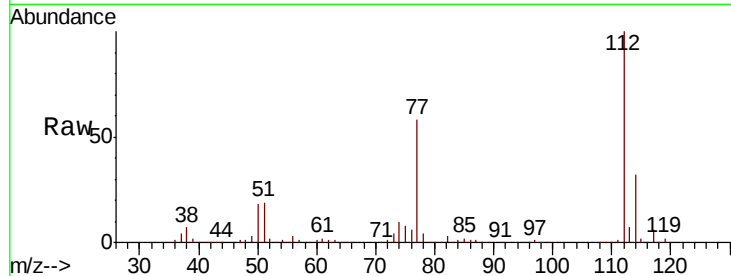
#65
Chlorobenzene
Concen: 35.886 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005205.D
Acq: 10 Oct 2018 12:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 324419
Ion Ratio Lower Upper
112 100
114 31.9 26.7 40.1

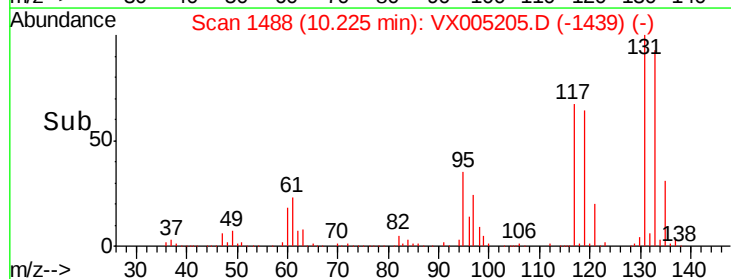
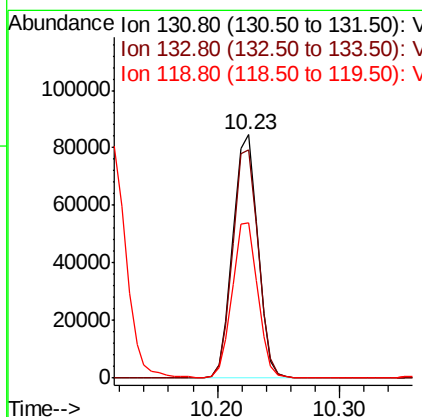
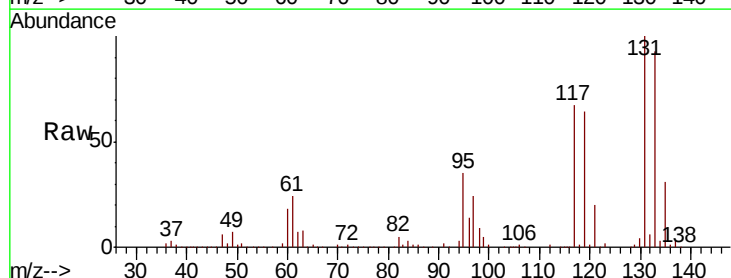
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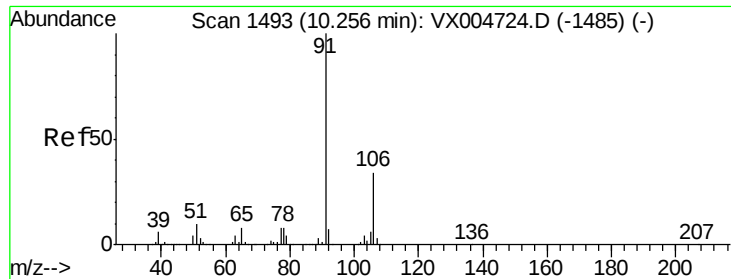
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#66
1,1,1,2-Tetrachloroethane
Concen: 37.457 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VX005205.D
Acq: 10 Oct 2018 12:47

Tgt Ion:131 Resp: 119044
Ion Ratio Lower Upper
131 100
133 96.0 48.4 145.0
119 65.2 32.3 96.8





#67

Ethyl Benzene

Concen: 38.868 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VX005205.D

Acq: 10 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 557850

Ion Ratio Lower Upper

91 100

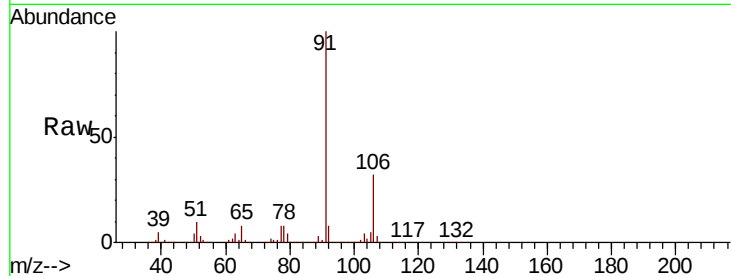
106 31.7 26.9 40.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX004724.D (-1485) (-)

Ion 106.00 (105.70 to 106.70): VX004724.D (-1485) (-)

600000

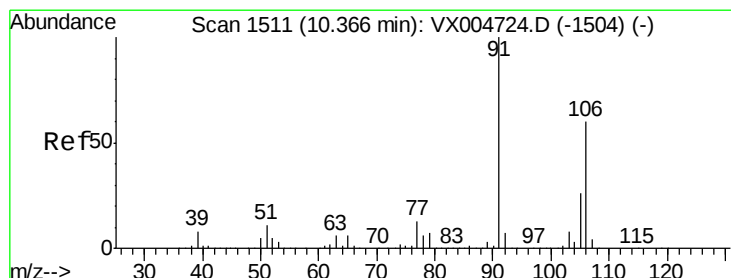
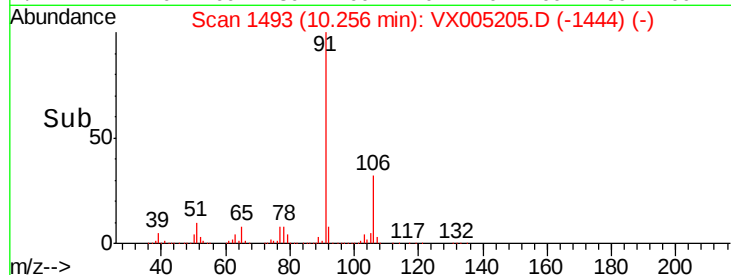
400000

200000

0

10.20 10.26 10.30

Time-->



#68

m/p-Xylenes

Concen: 77.981 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VX005205.D

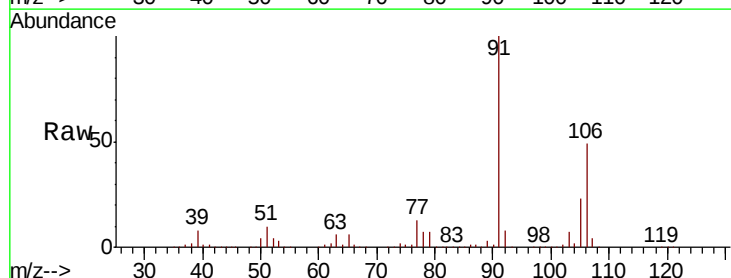
Acq: 10 Oct 2018 12:47

Tgt Ion: 106 Resp: 437363

Ion Ratio Lower Upper

106 100

91 204.3 157.5 236.3



Abundance Ion 106.00 (105.70 to 106.70): VX004724.D (-1504) (-)

Ion 91.00 (90.70 to 91.70): VX004724.D (-1504) (-)

600000

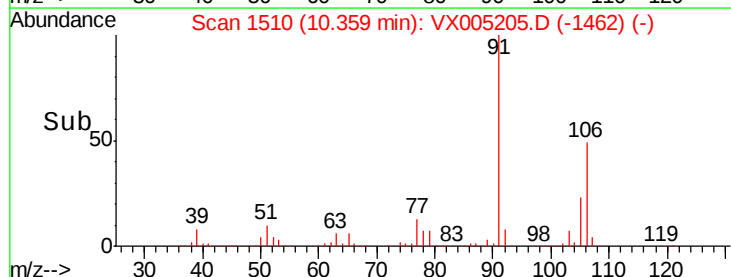
400000

200000

0

10.30 10.36 10.40 10.50

Time-->





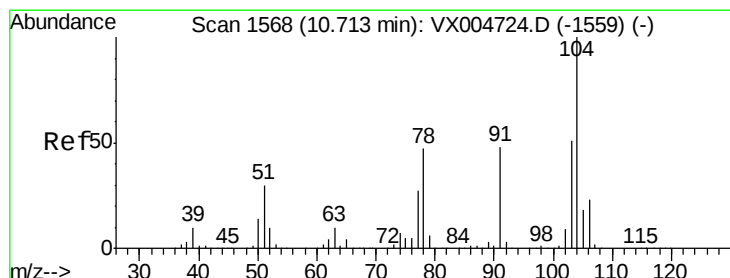
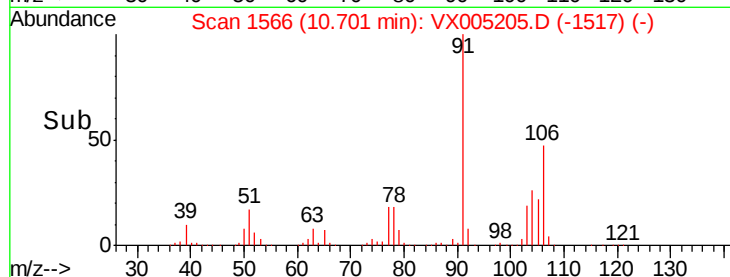
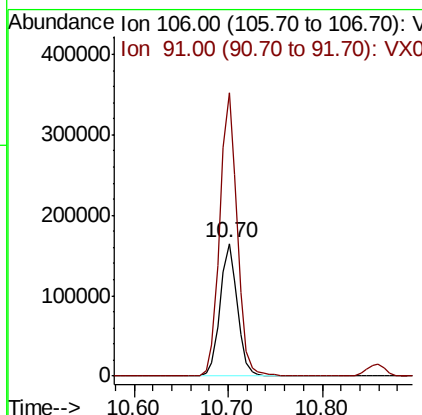
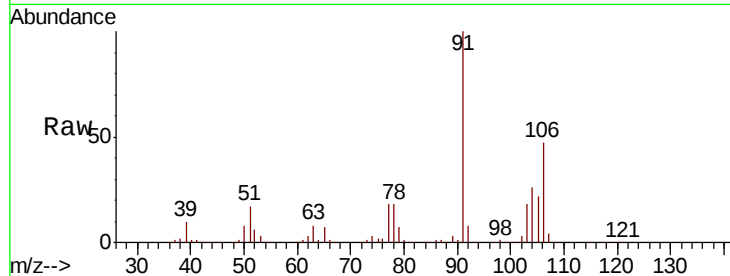
#69
o-Xylene
Concen: 40.882 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005205.D
Acq: 10 Oct 2018 12:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 210603
Ion Ratio Lower Upper
106 100
91 214.5 108.3 324.8

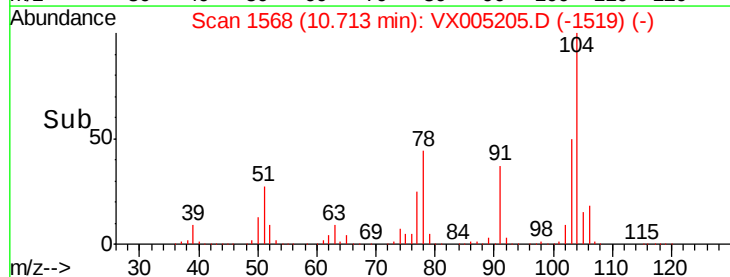
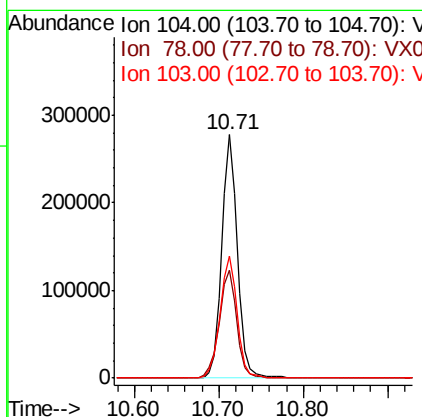
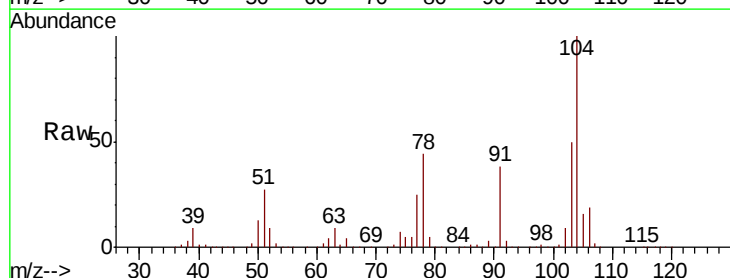
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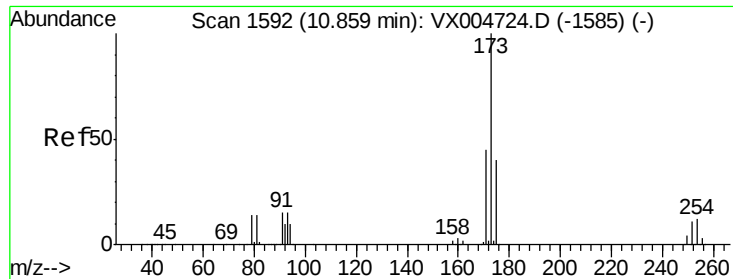
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#70
Styrene
Concen: 37.762 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005205.D
Acq: 10 Oct 2018 12:47

Tgt Ion:104 Resp: 358549
Ion Ratio Lower Upper
104 100
78 49.6 40.0 60.0
103 55.1 44.3 66.5





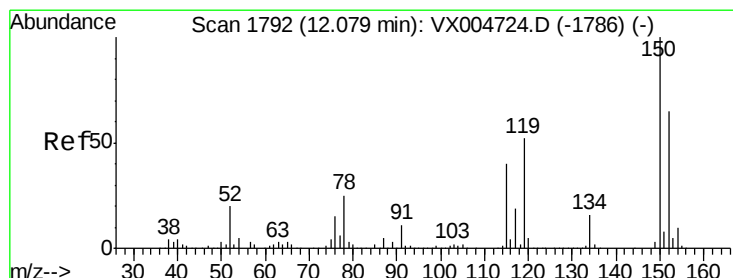
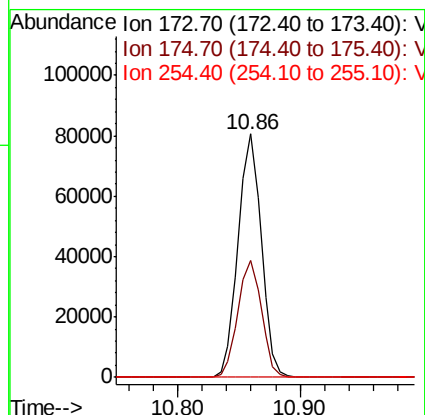
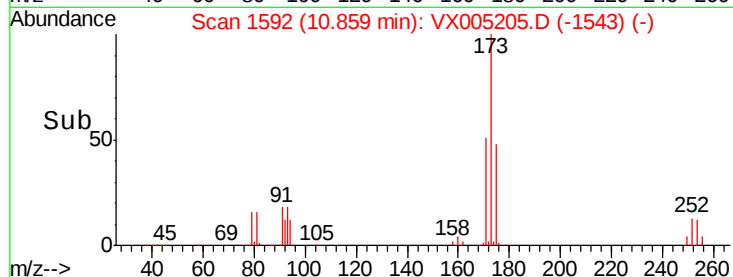
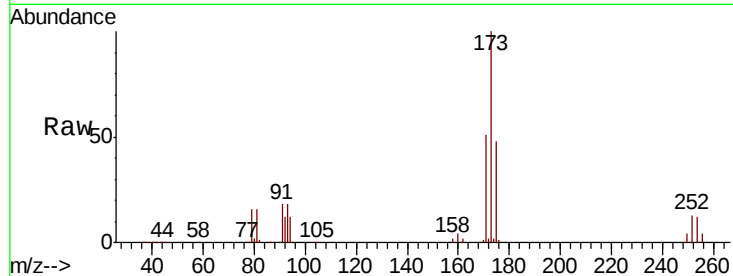
#71
Bromoform
Concen: 38.867 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX005205.D
Acq: 10 Oct 2018 12:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	23.3	69.8
254	0.2	0.2	0.2

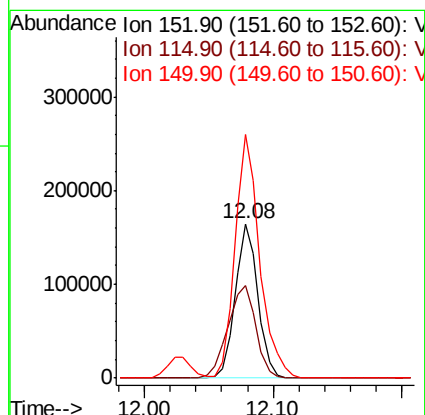
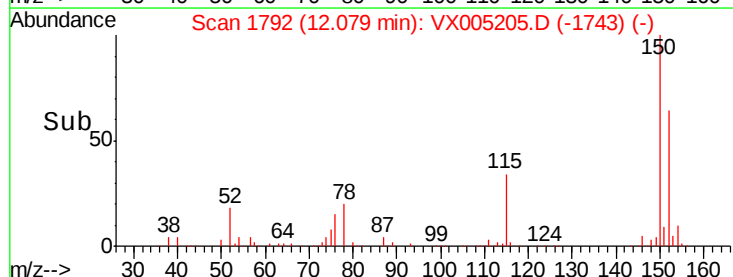
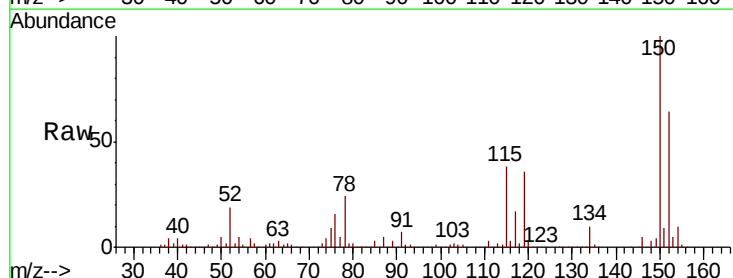
Manual Integrations
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005205.D
Acq: 10 Oct 2018 12:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	75.3	40.2	120.6
150	172.3	0.0	351.0





#73

Isopropylbenzene

Concen: 45.029 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005205.D

Acq: 10 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 569757

Ion Ratio Lower Upper

105 100

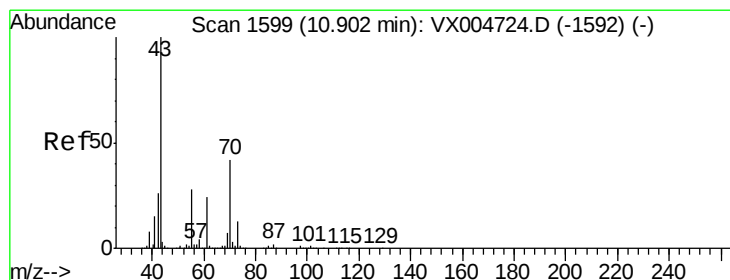
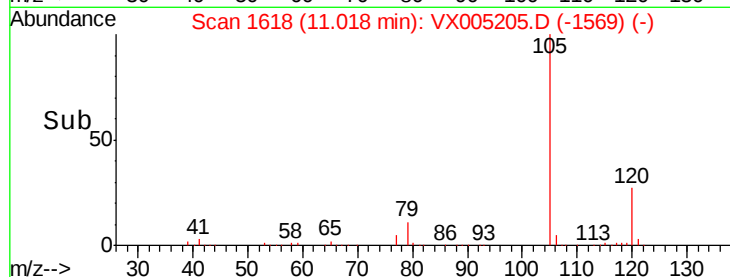
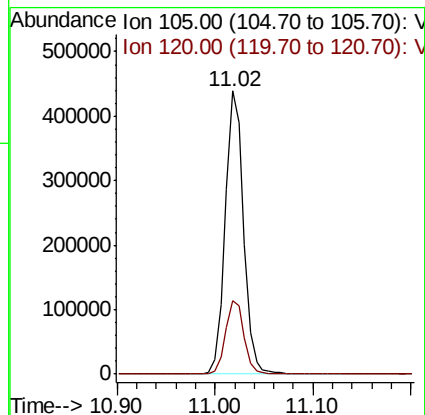
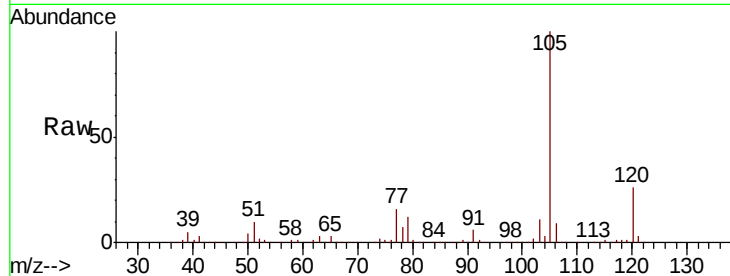
120 26.3 13.2 39.5

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#74

N-ethyl acetate

Concen: 38.859 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX005205.D

Acq: 10 Oct 2018 12:47

Tgt Ion: 43 Resp: 267443

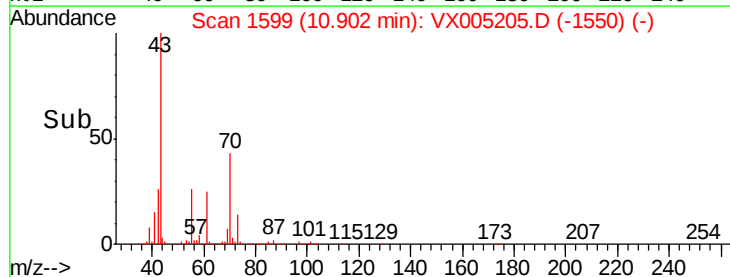
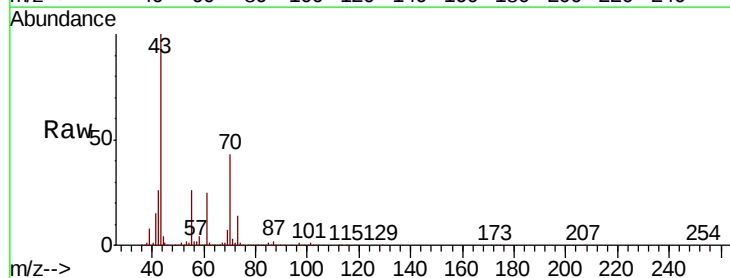
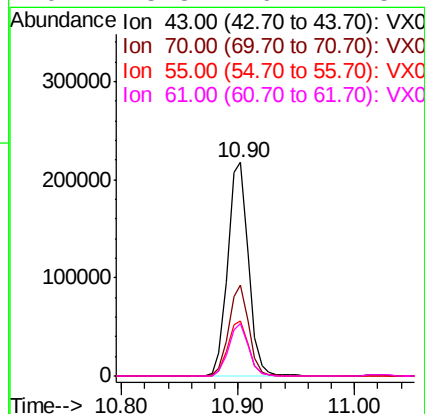
Ion Ratio Lower Upper

43 100

70 41.5 32.6 48.8

55 25.8 21.6 32.4

61 23.8 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 38.980 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005205.D

Acq: 10 Oct 2018 12:47

Instrument :

MSVOA_X

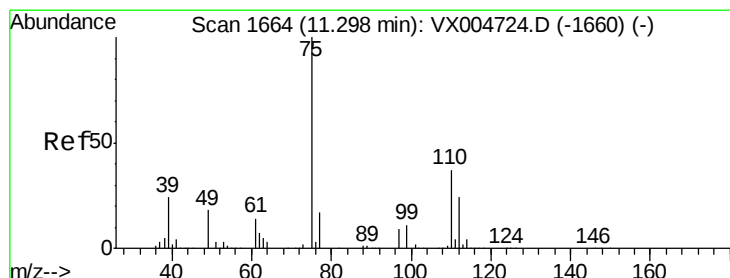
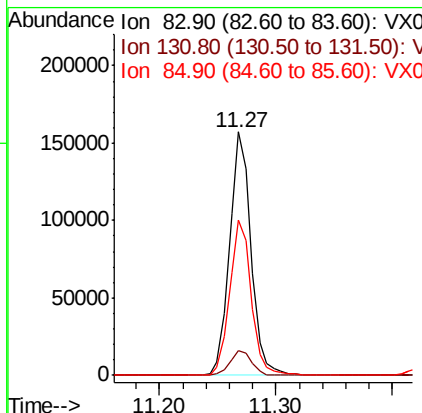
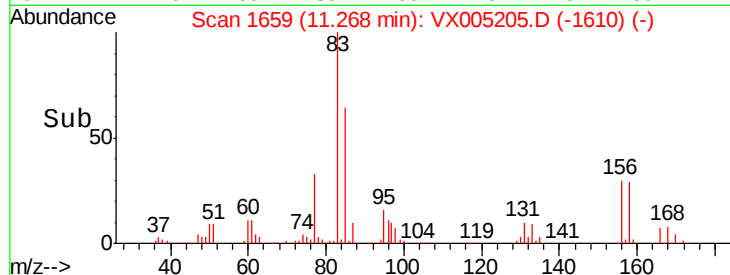
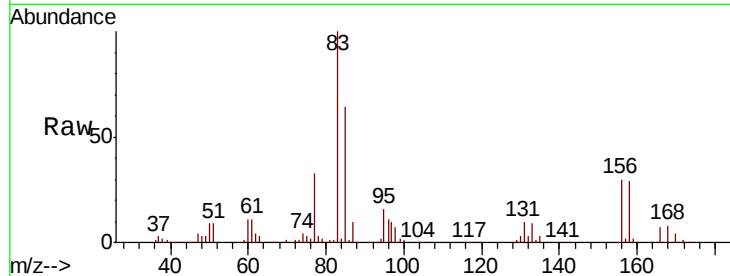
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	200769
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.1	15.3
85	64.2	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 41.419 ug/l m

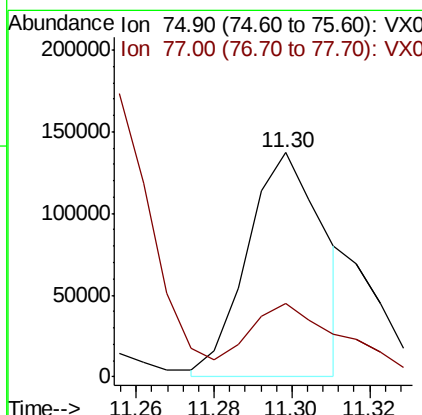
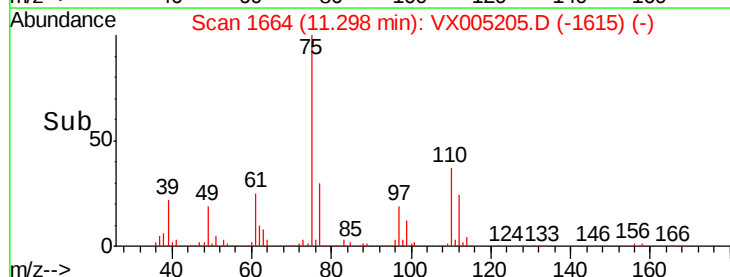
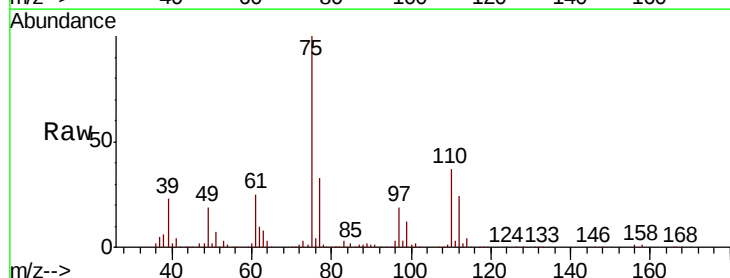
RT: 11.30 min Scan# 1664

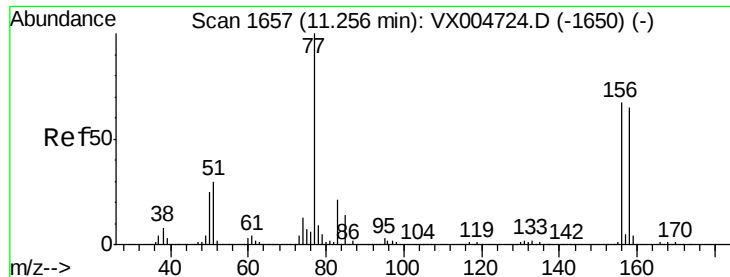
Delta R.T. -0.00 min

Lab File: VX005205.D

Acq: 10 Oct 2018 12:47

Tgt Ion:	75	Resp:	186357
Ion Ratio	Lower	Upper	
75	100		
77	40.8	21.4	64.3





#77

Bromobenzene

Concen: 41.536 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005205.D

Acq: 10 Oct 2018 12:47

Instrument :

MSVOA_X

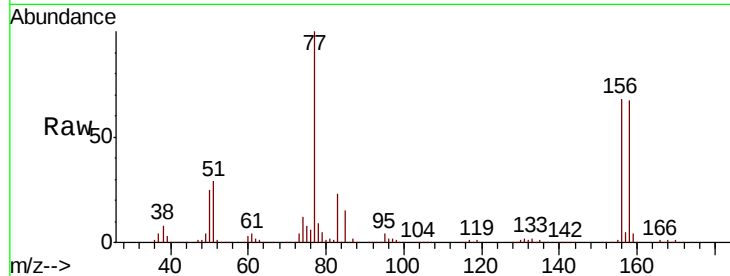
ClientSampleId :

VSTDCCC050EC

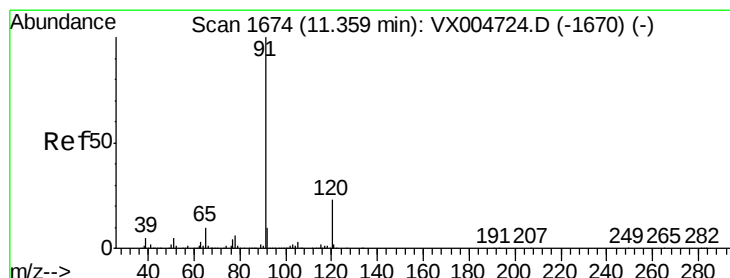
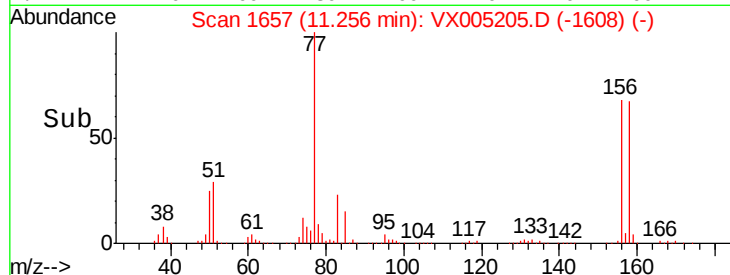
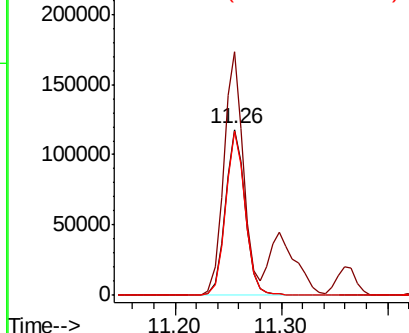
Tot Ion:	156	Resp:	152651
Ion Ratio	Lower	Upper	
156	100		
77	145.5	73.4	220.2
158	98.3	49.1	147.4

Manual Integrations
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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: 45.328 ug/l

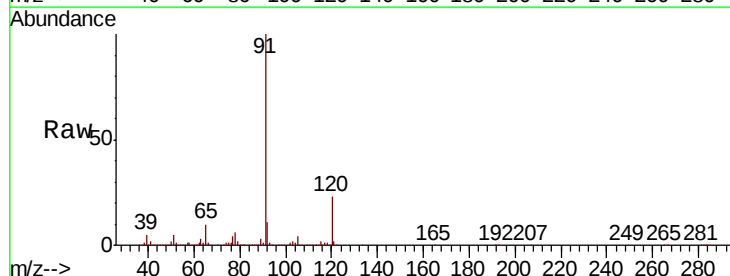
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

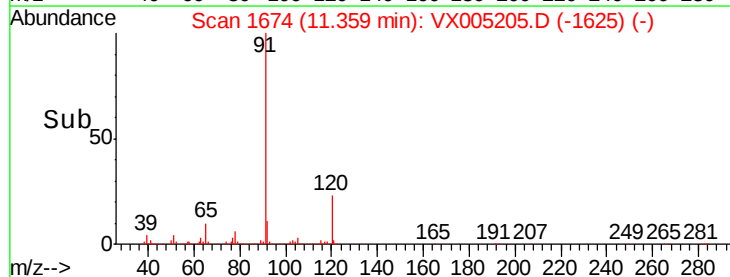
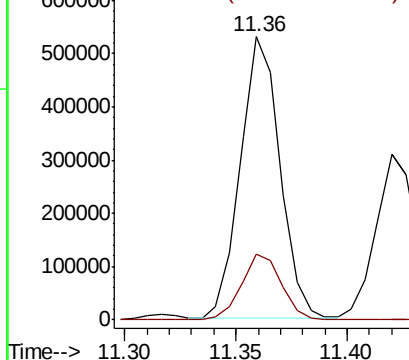
Lab File: VX005205.D

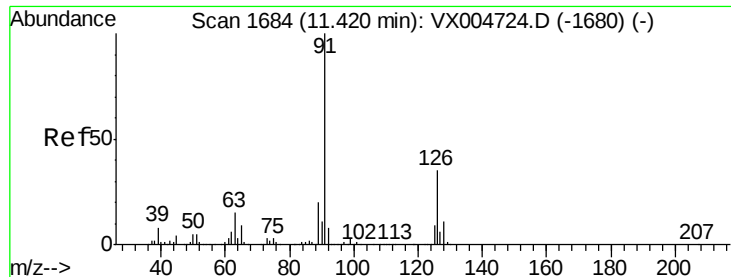
Acq: 10 Oct 2018 12:47

Tgt Ion:	91	Resp:	658061
Ion Ratio	Lower	Upper	
91	100		
120	23.8	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: 43.029 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005205.D

Acq: 10 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 389380

Ion Ratio Lower Upper

91 100

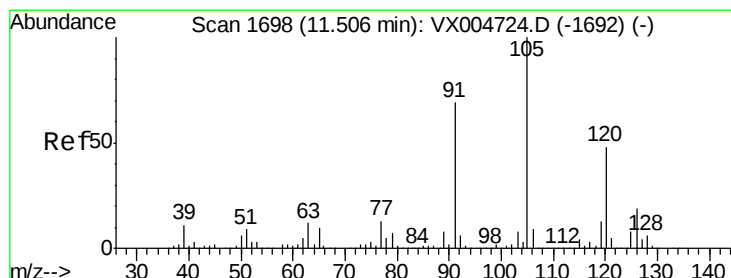
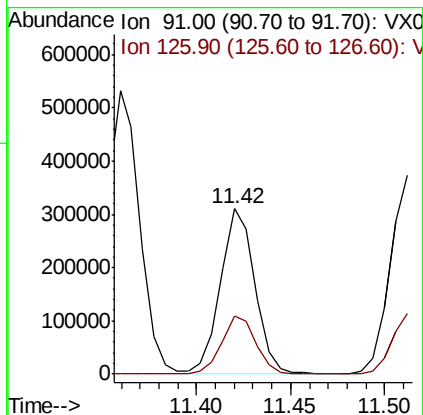
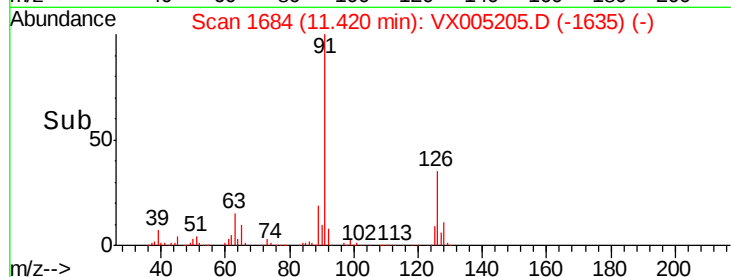
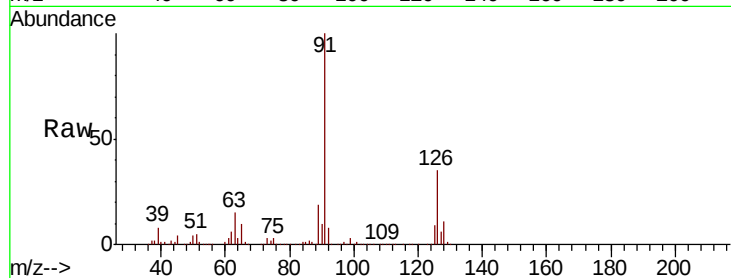
126 35.5 17.6 52.9

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#80

1,3,5-Trimethylbenzene

Concen: 42.279 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005205.D

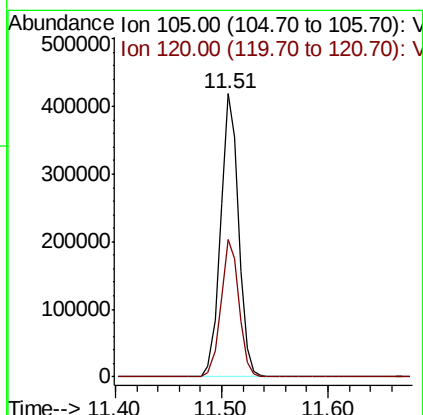
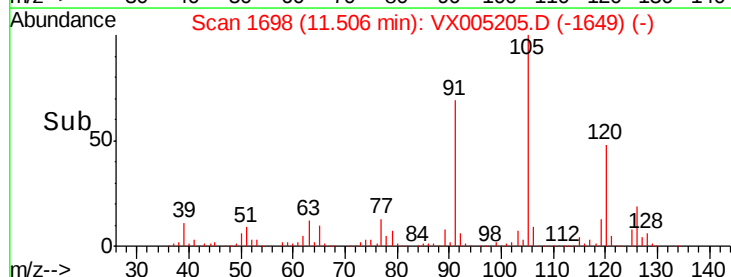
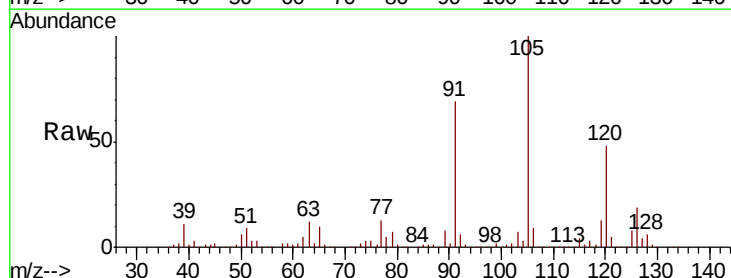
Acq: 10 Oct 2018 12:47

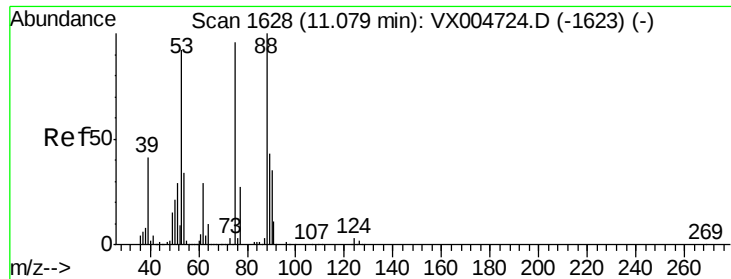
Tgt Ion: 105 Resp: 490657

Ion Ratio Lower Upper

105 100

120 48.8 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 35.414 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX005205.D

Acq: 10 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 57426

Ion Ratio Lower Upper

75 100

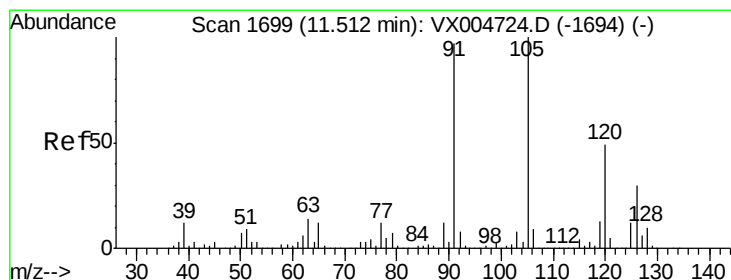
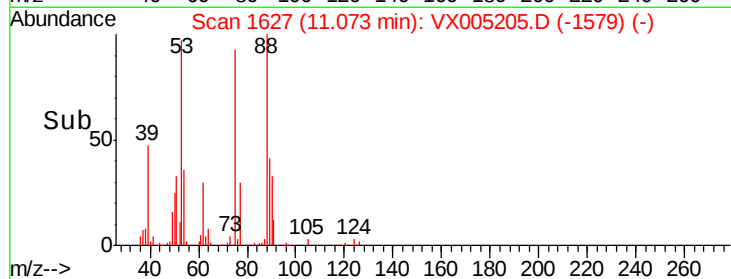
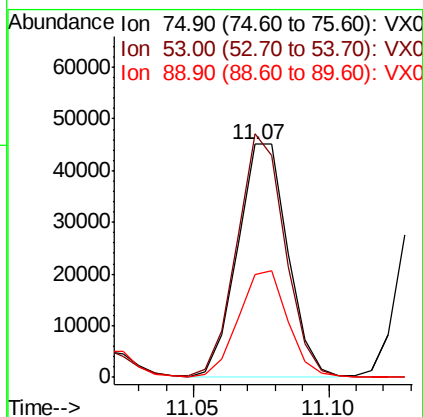
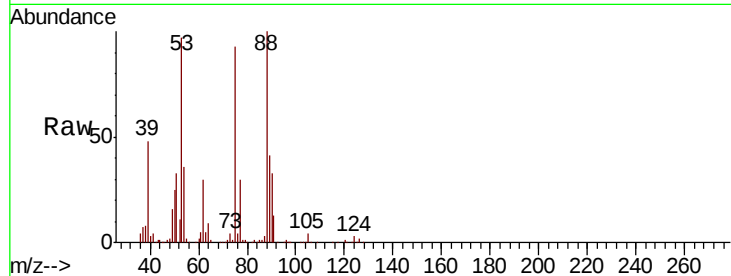
53 100.1 80.2 120.4

89 45.7 37.1 55.7

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#82

4-Chlorotoluene

Concen: 43.487 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005205.D

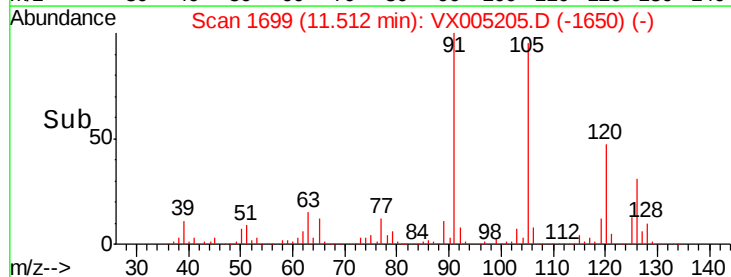
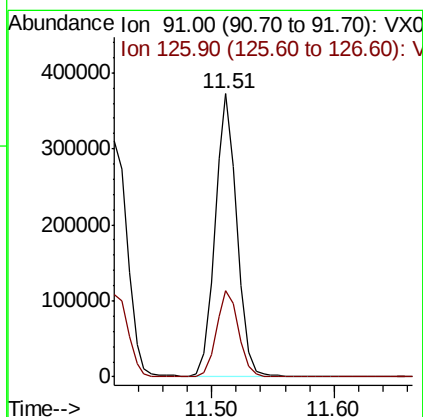
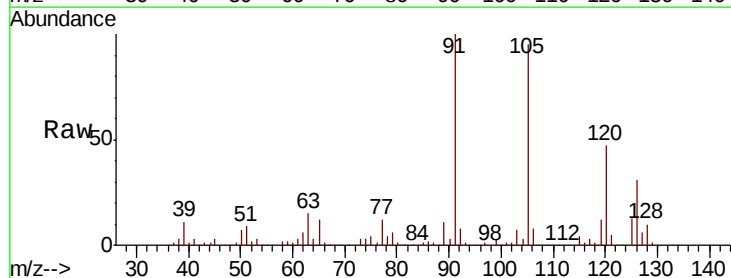
Acq: 10 Oct 2018 12:47

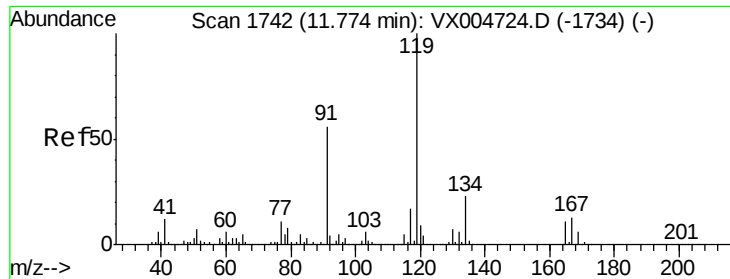
Tgt Ion: 91 Resp: 463196

Ion Ratio Lower Upper

91 100

126 31.0 15.5 46.5





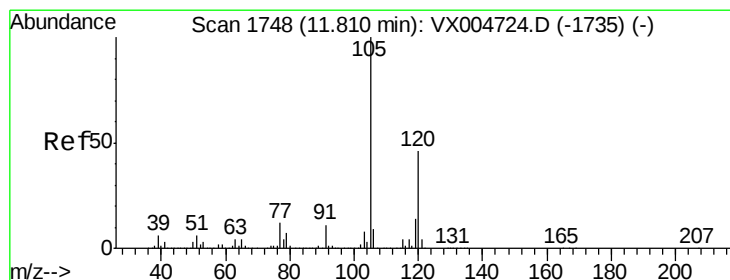
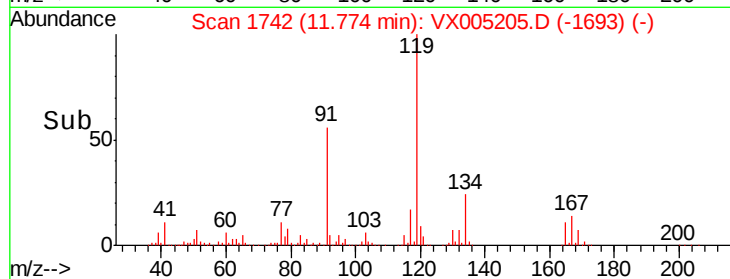
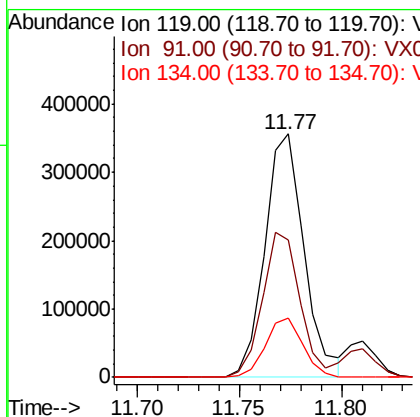
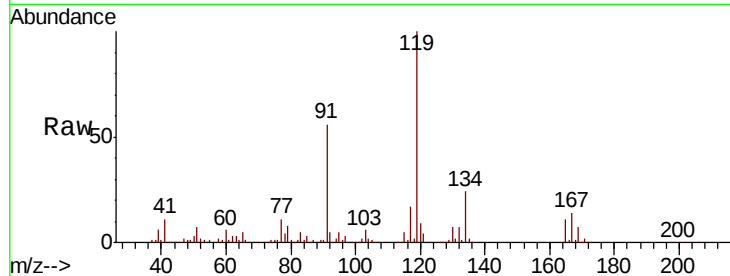
#83
 tert-Butylbenzene
 Concen: 45.945 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX005205.D
 Acq: 10 Oct 2018 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.7	27.5	82.5
134	23.2	11.5	34.4

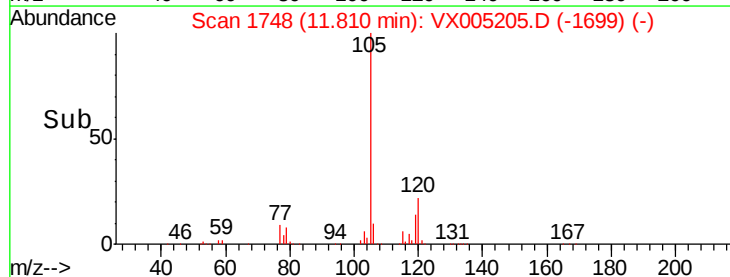
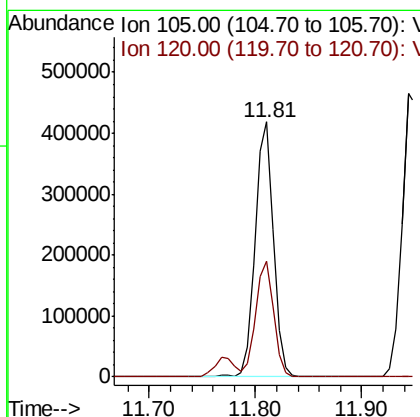
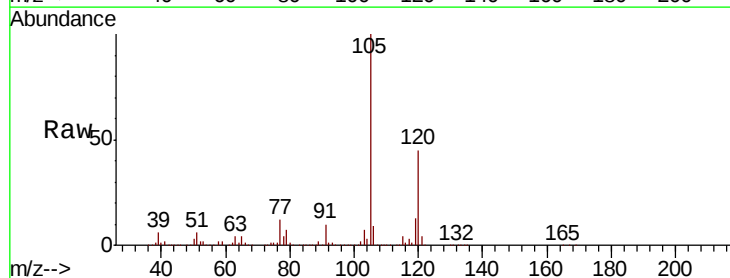
Manual Integrations
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#84
 1,2,4-Trimethylbenzene
 Concen: 42.202 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX005205.D
 Acq: 10 Oct 2018 12:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.8	68.3





#85

sec-Butylbenzene

Concen: 45.896 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX005205.D

Acq: 10 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleID :

VSTDCCC050EC

Tot Ion:105 Resp: 582379

Ion Ratio Lower Upper

105 100

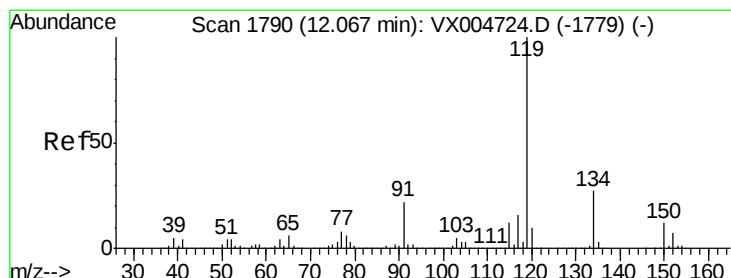
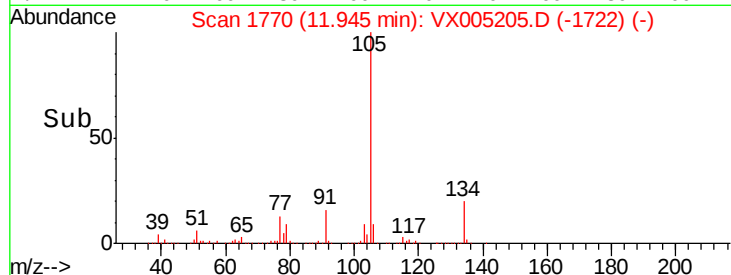
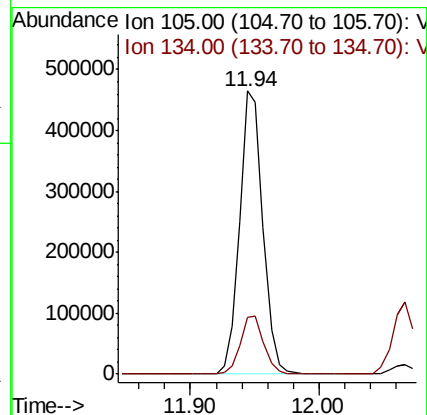
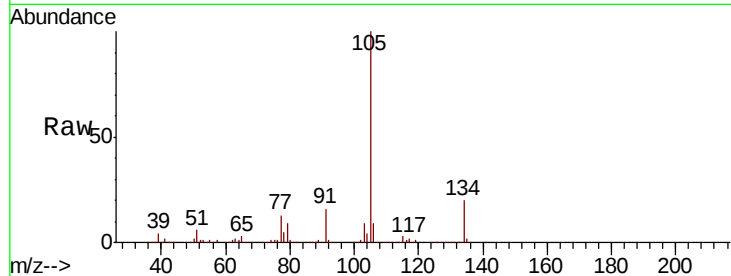
134 20.7 10.2 30.4

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#86

p-Isopropyltoluene

Concen: 45.651 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005205.D

Acq: 10 Oct 2018 12:47

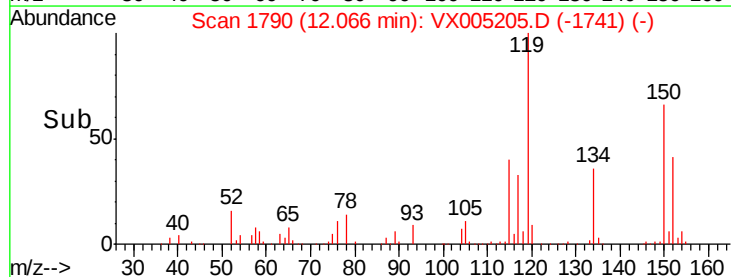
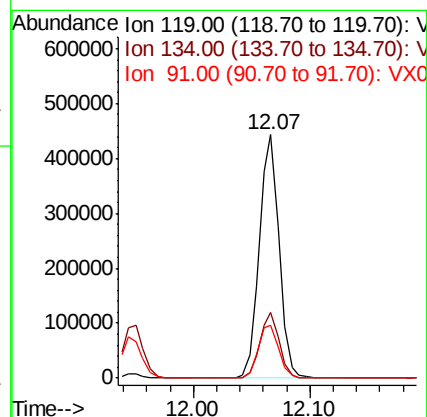
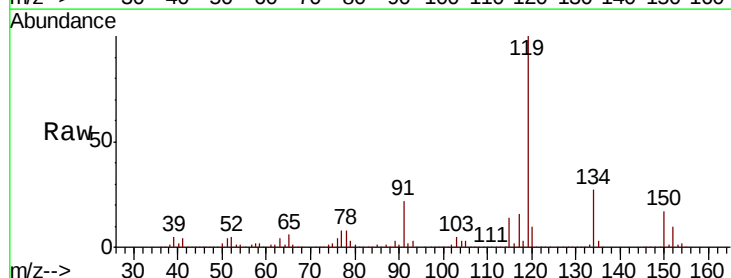
Tgt Ion:119 Resp: 524812

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.1

91 22.8 11.5 34.4





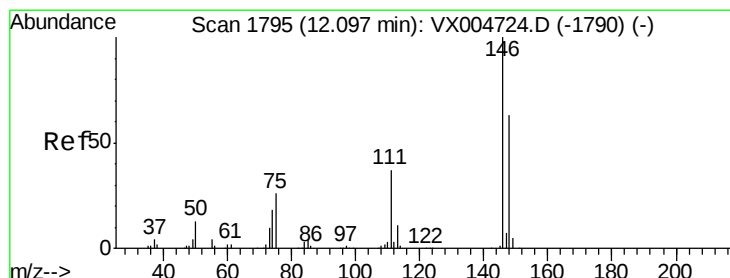
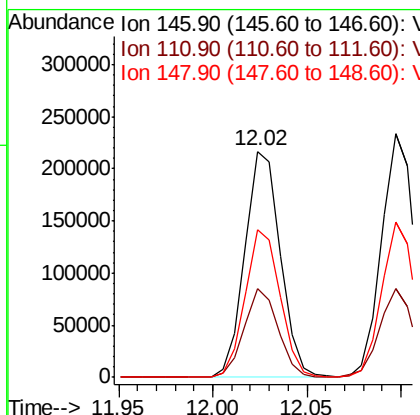
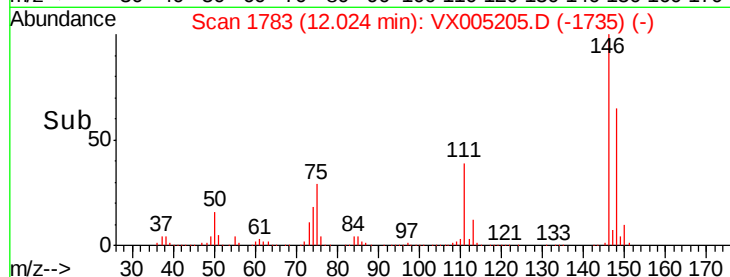
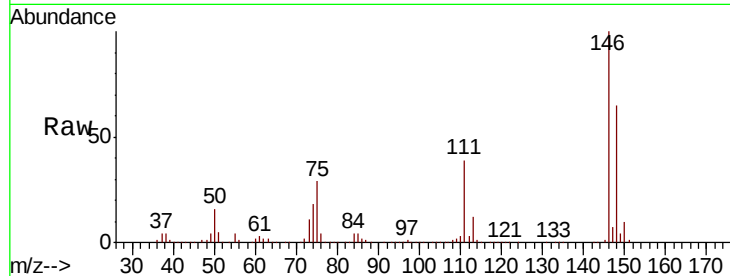
#87
 1,3-Dichlorobenzene
 Concen: 41.311 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX005205.D
 Acq: 10 Oct 2018 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.9	56.9
148	64.7	31.8	95.3

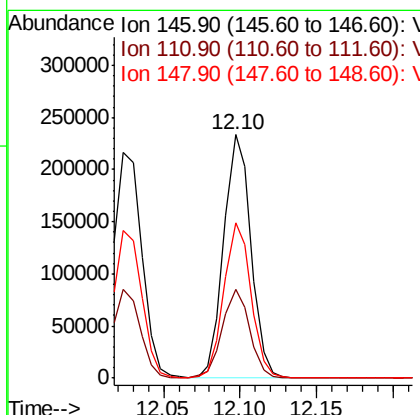
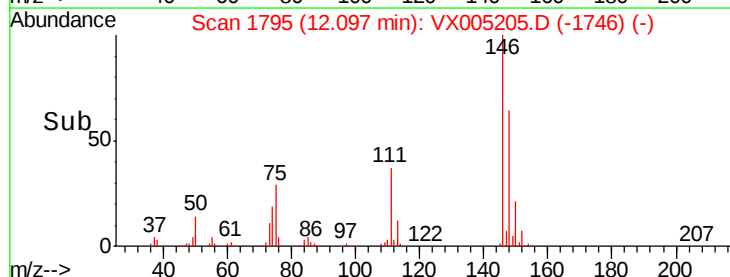
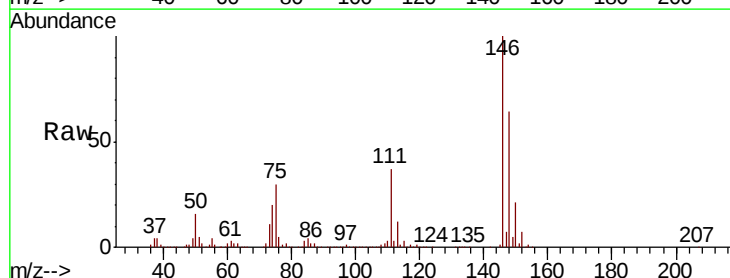
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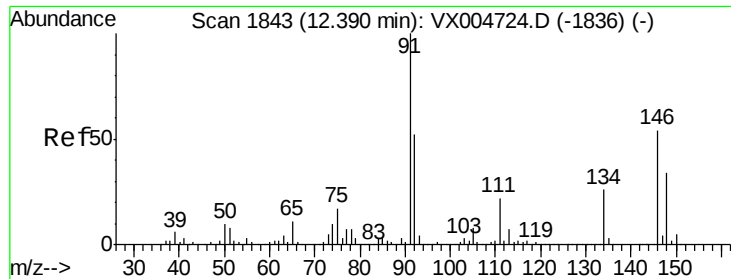
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#88
 1,4-Dichlorobenzene
 Concen: 40.716 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005205.D
 Acq: 10 Oct 2018 12:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.4	55.2
148	63.8	32.0	96.0





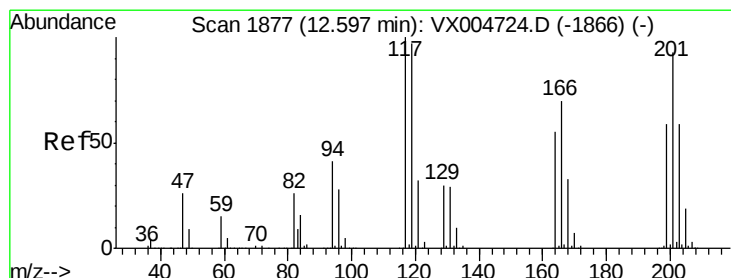
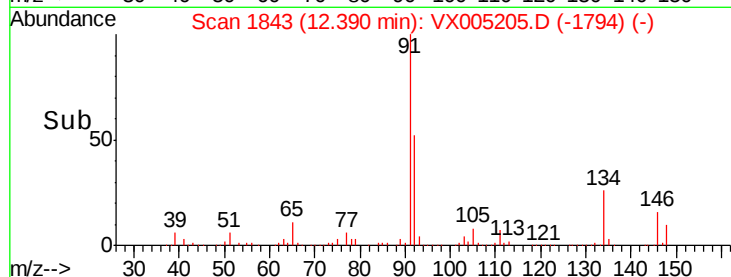
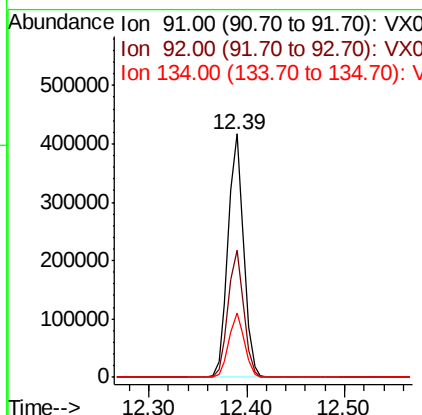
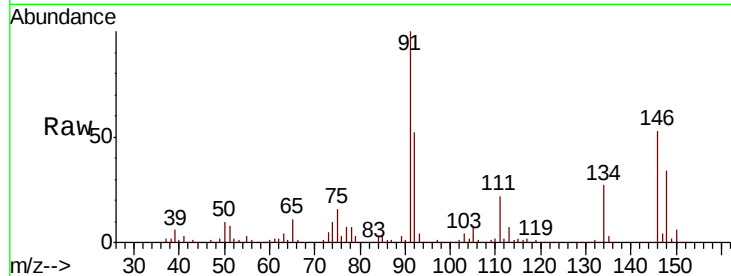
#89
n-Butylbenzene
Concen: 44.586 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005205.D
Acq: 10 Oct 2018 12:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.0	78.0
134	26.3	13.2	39.6

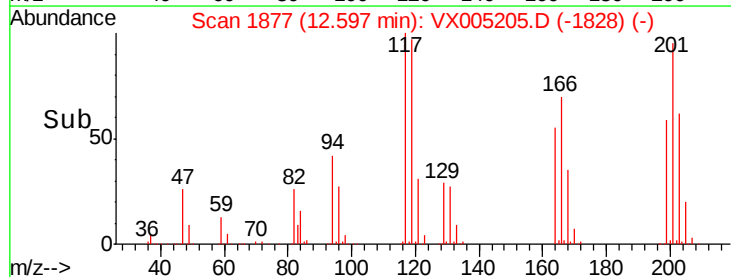
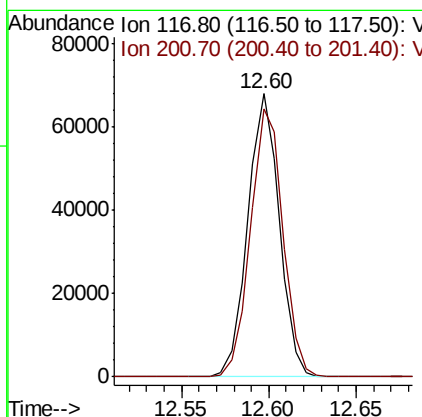
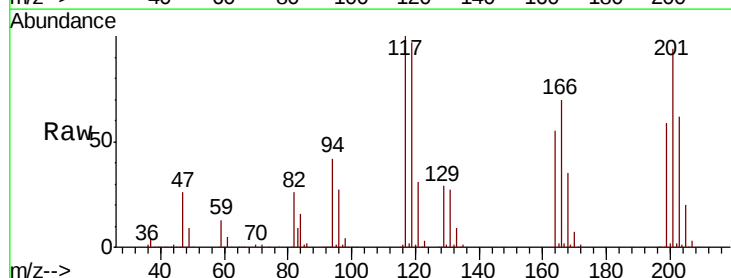
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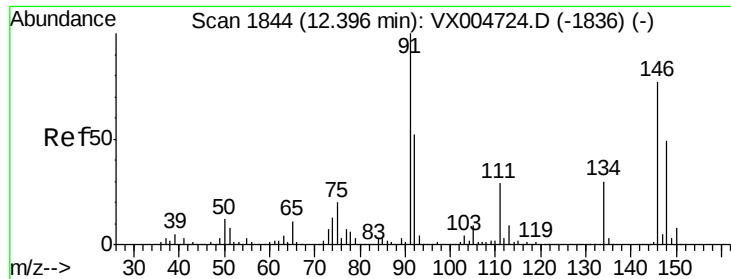
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#90
Hexachloroethane
Concen: 44.364 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005205.D
Acq: 10 Oct 2018 12:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.3	48.4	145.0





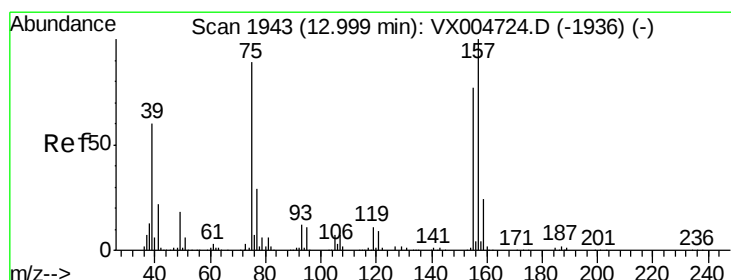
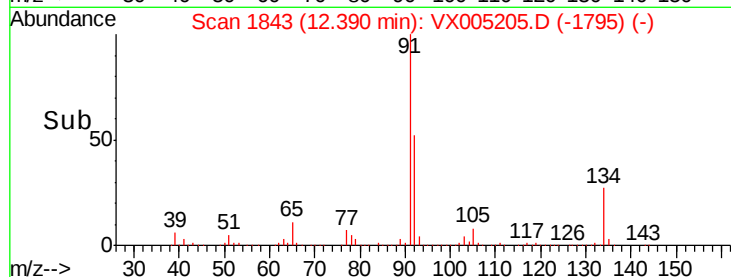
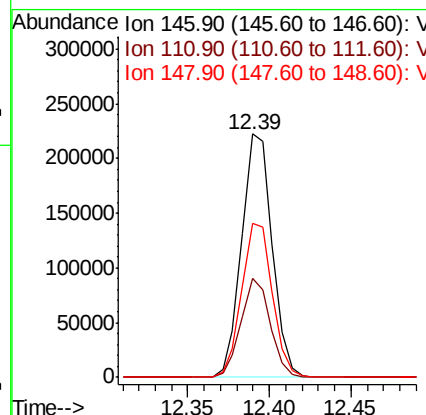
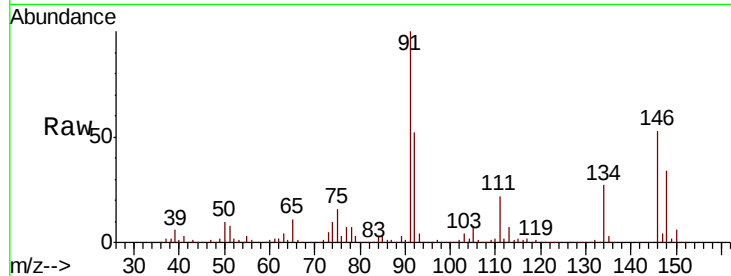
#91
 1,2-Dichlorobenzene
 Concen: 40.577 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: VX005205.D
 Acq: 10 Oct 2018 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.6	58.7
148	63.8	31.8	95.4

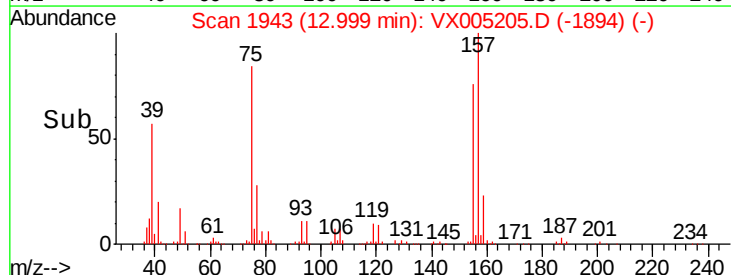
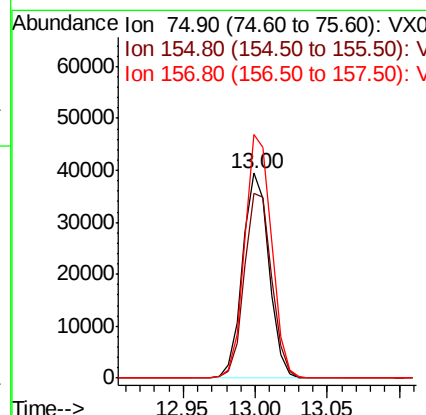
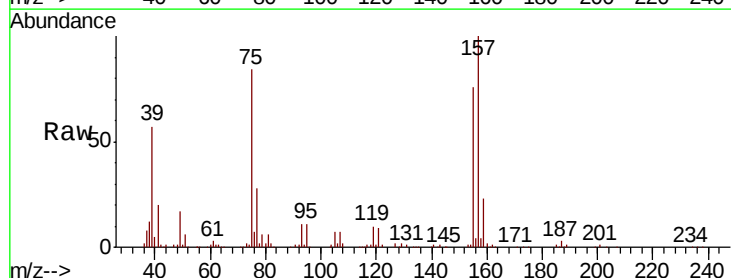
Manual Integrations
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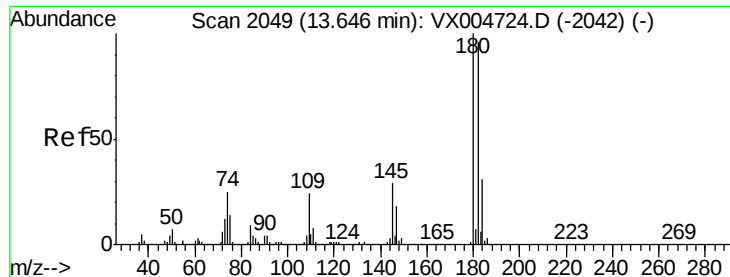
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.427 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005205.D
 Acq: 10 Oct 2018 12:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.6	46.1	138.3
157	120.0	60.2	180.6





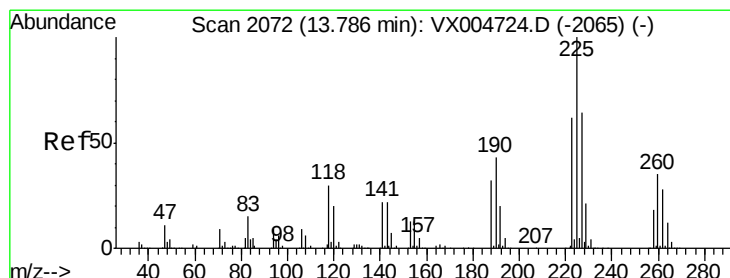
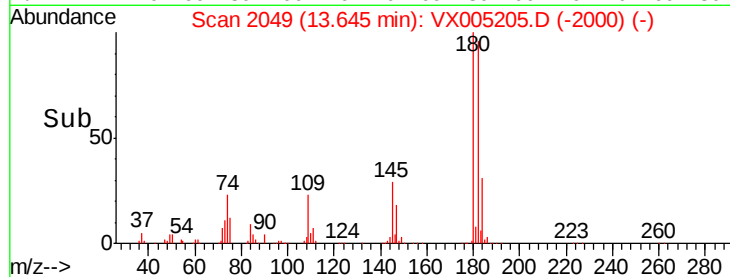
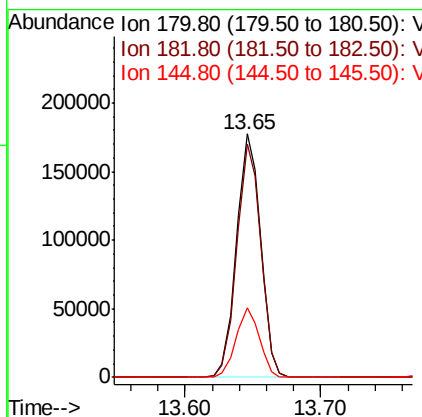
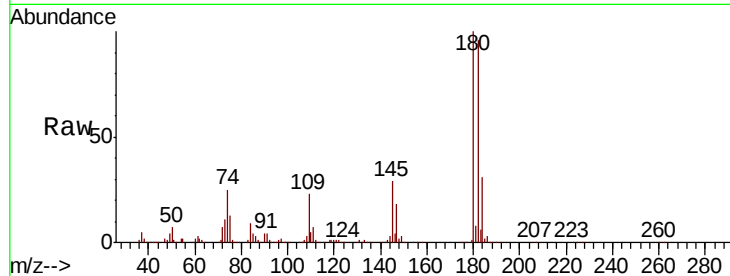
#93
 1,2,4-Trichlorobenzene
 Concen: 43.359 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005205.D
 Acq: 10 Oct 2018 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	218133		
182	95.2	47.8	143.4	
145	27.9	14.1	42.4	

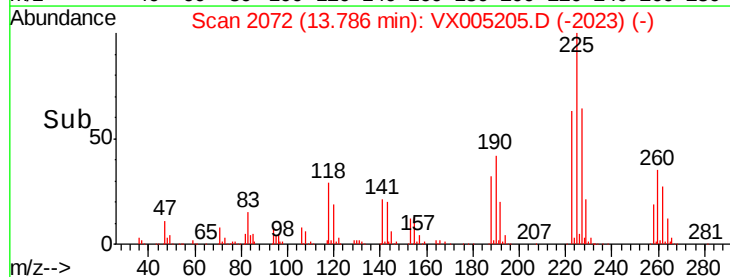
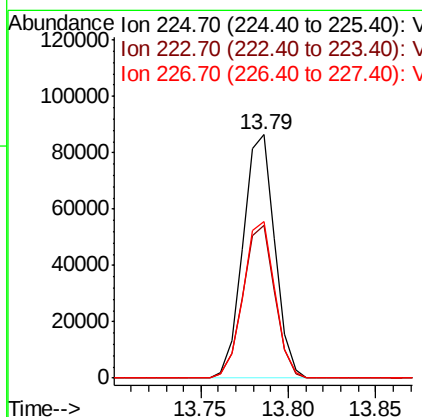
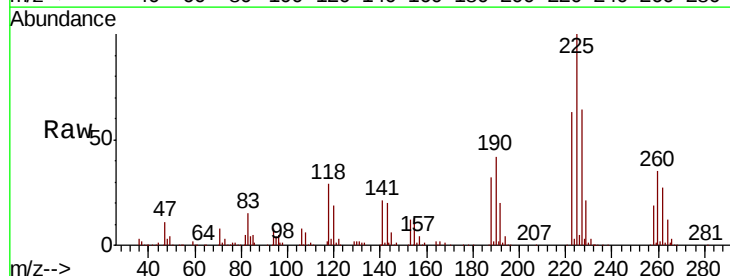
Manual Integrations
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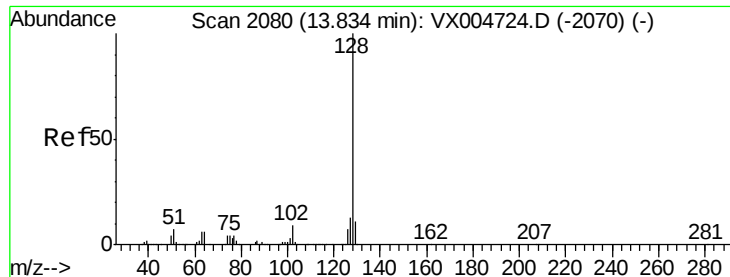
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 41.658 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005205.D
 Acq: 10 Oct 2018 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	108675		
223	62.8	31.3	93.8	
227	64.2	31.9	95.5	





#95

Naphthalene

Concen: 41.144 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005205.D

Acq: 10 Oct 2018 12:47

Instrument :

MSVOA_X

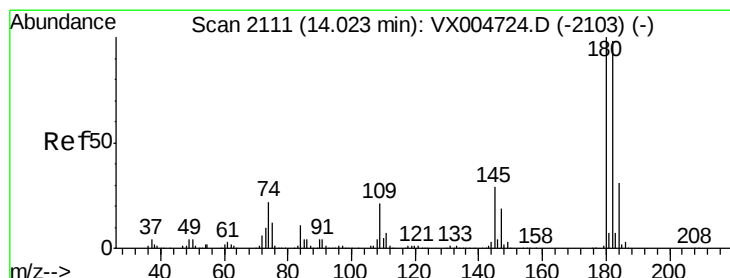
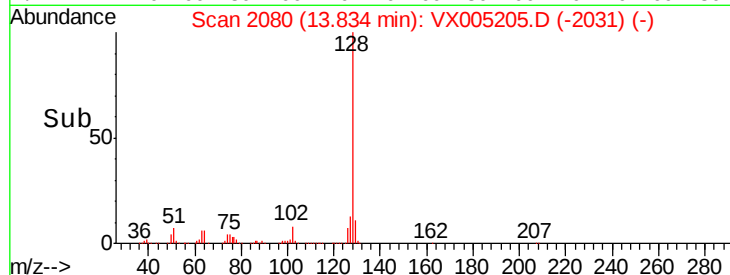
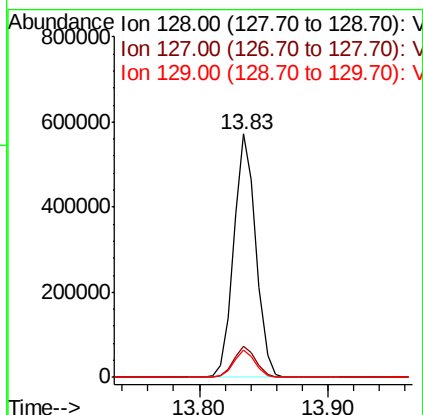
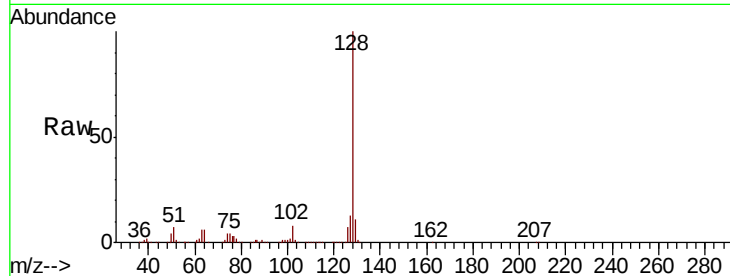
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	684856
Ion Ratio		Lower	Upper
128	100		
127	12.8	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/11/2018 5:02:12 PM



#96

1,2,3-Trichlorobenzene

Concen: 43.080 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX005205.D

Acq: 10 Oct 2018 12:47

Tgt Ion:	180	Resp:	223885
Ion Ratio		Lower	Upper
180	100		
182	96.1	47.9	143.8
145	29.7	15.0	45.0

