

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100318\
 Data File : VX004951.D
 Acq On : 03 Oct 2018 07:06
 Operator : JC/MD
 Sample : VX1003MBS01
 Misc : 5.00µg/10mL/100µL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1003MBS01

Manual Integrations
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sam
 10/3/2018 5:56:51 PM

Quant Time: Oct 03 08:46:41 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	235218	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.86	114	330771	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	314512	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	188469	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	173396	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
35) Dibromofluoromethane	5.50	113	138027	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	
50) Toluene-d8	8.71	98	493939	53.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.00%	
62) 4-Bromofluorobenzene	11.14	95	176879	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	77717	24.233	ug/l	94
3) Chloromethane	1.32	50	83015	21.335	ug/l	93
4) Vinyl Chloride	1.41	62	80368	22.022	ug/l	98
5) Bromomethane	1.64	94	40578	18.751	ug/l	99
6) Chloroethane	1.72	64	44142	20.837	ug/l	100
7) Trichlorofluoromethane	1.93	101	98811	21.871	ug/l	90
8) Diethyl Ether	2.19	74	41586	21.188	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	53364	20.736	ug/l	99
10) Methyl Iodide	2.51	142	43533	12.641	ug/l	91
11) Tert butyl alcohol	3.07	59	104364	111.083	ug/l	98
12) 1,1-Dichloroethene	2.37	96	51453	20.188	ug/l	87
13) Acrolein	2.29	56	24390	36.487	ug/l	93
14) Allyl chloride	2.73	41	108418	19.496	ug/l	94
15) Acrylonitrile	3.15	53	220716	106.718	ug/l	97
16) Acetone	2.45	43	206197	105.112	ug/l	99
17) Carbon Disulfide	2.57	76	141812	18.517	ug/l	95
18) Methyl Acetate	2.78	43	117973	23.736	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	199880	22.736	ug/l	92
20) Methylene Chloride	2.85	84	63432	21.766	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	55523	19.901	ug/l #	75
22) Diisopropyl ether	3.86	45	204882	21.879	ug/l #	79
23) Vinyl Acetate	3.82	43	942822	109.994	ug/l #	94
24) 1,1-Dichloroethane	3.70	63	116037	20.773	ug/l	98
25) 2-Butanone	4.70	43	297594	102.917	ug/l	96
26) 2,2-Dichloropropane	4.58	77	46607	11.982	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	62625	20.093	ug/l	98
28) Bromochloromethane	5.02	49	56122	21.336	ug/l	95
29) Tetrahydrofuran	5.16	42	199525	111.018	ug/l	96
30) Chloroform	5.21	83	108558	20.563	ug/l	98
31) Cyclohexane	5.59	56	95988	22.452	ug/l #	73
32) 1,1,1-Trichloroethane	5.50	97	96464	22.374	ug/l	94
36) 1,1-Dichloropropene	5.79	75	77175	20.178	ug/l	93
37) Ethyl Acetate	4.85	43	110731	21.810	ug/l	97
38) Carbon Tetrachloride	5.77	117	79711	19.826	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	77499	19.843	ug/l	86
40) Benzene	6.14	78	241313	20.153	ug/l	93
41) Methacrylonitrile	5.06	41	58840	20.898	ug/l	98
42) 1,2-Dichloroethane	6.20	62	87821	20.747	ug/l	97
43) Isopropyl Acetate	6.46	43	148505	20.266	ug/l	95
44) Trichloroethene	7.21	130	59287	20.141	ug/l	96
45) 1,2-Dichloropropane	7.52	63	61392	20.907	ug/l	97
46) Dibromomethane	7.66	93	39499	21.404	ug/l	98
47) Bromodichloromethane	7.90	83	74025	21.424	ug/l	99
48) Methyl methacrylate	7.78	41	73758	22.176	ug/l	99
49) 1,4-Dioxane	7.75	88	34915	422.538	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	521242	112.970	ug/l	98
52) Toluene	8.79	92	137442	20.889	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	72930	18.679	ug/l	94
54) cis-1,3-Dichloropropene	8.44	75	82111	20.078	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	59279	20.568	ug/l	95
56) Ethyl methacrylate	9.18	69	86677	20.334	ug/l	98
57) 1,3-Dichloropropane	9.37	76	98525	20.540	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	241764	106.051	ug/l	100
59) 2-Hexanone	9.50	43	405707	105.518	ug/l	94
60) Dibromochloromethane	9.59	129	58261	20.213	ug/l	100
61) 1,2-Dibromoethane	9.67	107	60963	19.751	ug/l	96
64) Tetrachloroethene	9.34	164	64447	20.820	ug/l	98
65) Chlorobenzene	10.14	112	155525	19.284	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	55804	19.682	ug/l	99
67) Ethyl Benzene	10.26	91	254499	19.876	ug/l	96
68) m/p-Xylenes	10.36	106	199459	39.864	ug/l	95
69) o-Xylene	10.70	106	96450	20.987	ug/l	99
70) Styrene	10.71	104	163313	20.327	ug/l	100
71) Bromoform	10.86	173	47031	19.375	ug/l #	96
73) Isopropylbenzene	11.02	105	257520	21.678	ug/l	100
74) N-amyl acetate	10.90	43	122450	19.846	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	93744	19.386	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	86910m	20.574	ug/l	
77) Bromobenzene	11.26	156	71865	20.828	ug/l	99
78) n-propylbenzene	11.36	91	295790	21.701	ug/l	99
79) 2-Chlorotoluene	11.42	91	178758	21.040	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	218884	19.985	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	20608	14.764	ug/l	96
82) 4-Chlorotoluene	11.51	91	213638	21.363	ug/l	98
83) tert-Butylbenzene	11.77	119	209123	21.381	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	227836	20.173	ug/l	99
85) sec-Butylbenzene	11.94	105	256195	21.505	ug/l	100
86) p-Isopropyltoluene	12.07	119	229749	21.286	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	128981	20.019	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	131704	19.802	ug/l	99
89) n-Butylbenzene	12.39	91	192615	19.650	ug/l	99
90) Hexachloroethane	12.60	117	34976	19.463	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	131399	19.515	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21884	20.611	ug/l	97

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VX1003MBS01

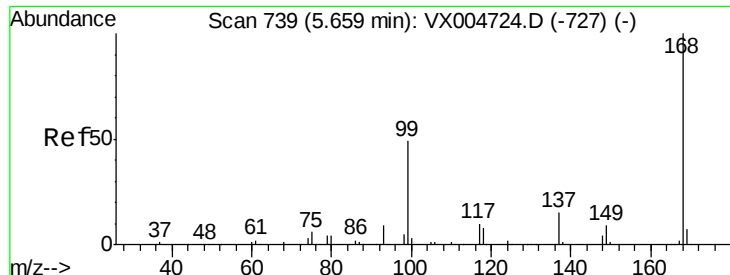
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	92781	19.643	ug/l	99
94) Hexachlorobutadiene	13.79	225	46252	18.884	ug/l	99
95) Naphthalene	13.83	128	292339	19.099	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	97769	20.038	ug/l	100

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



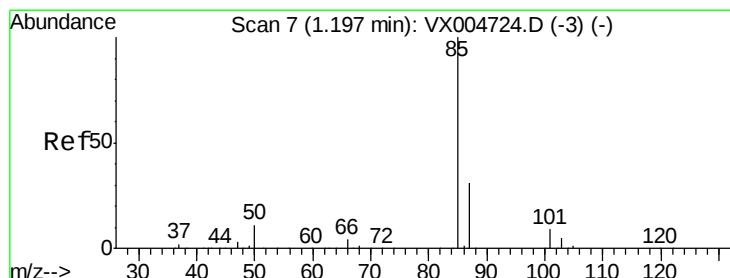
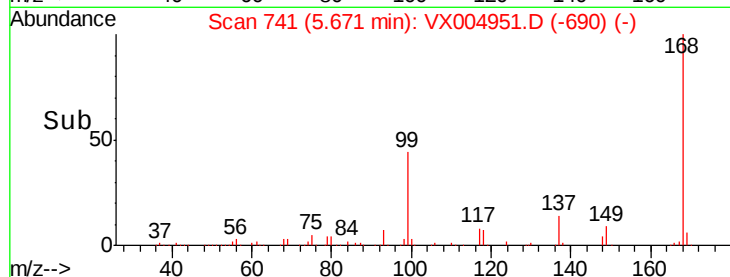
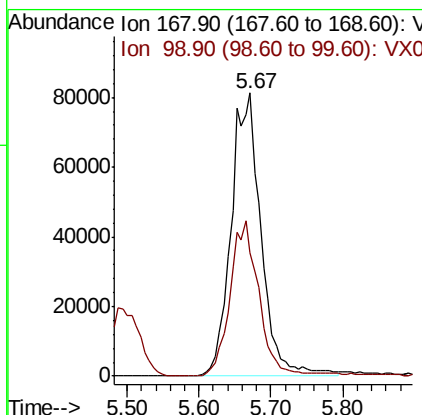
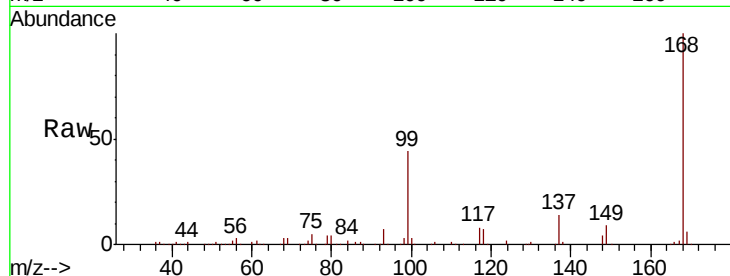
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 741
Delta R.T. 0.01 min
Lab File: VX004951.D
Acq: 03 Oct 2018 07:06

Instrument :
MSVOA_X
ClientSampleId :
VX1003MBS01

Tot Ion	Ratio	Lower	Upper
168	100		
99	43.6	39.3	58.9

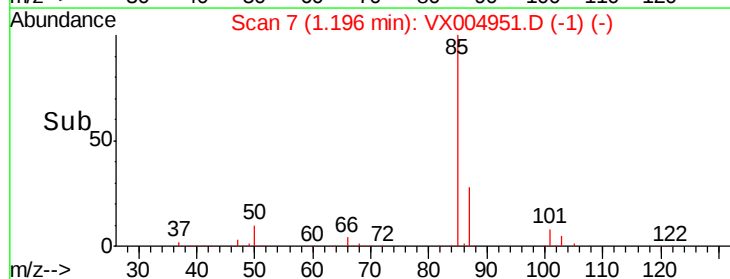
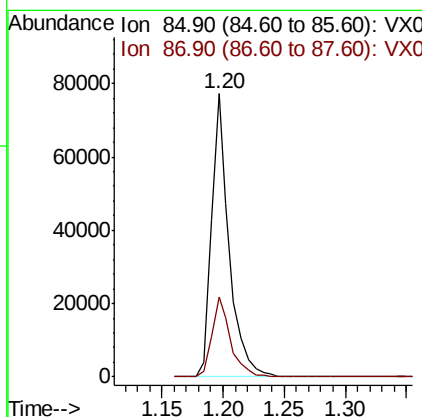
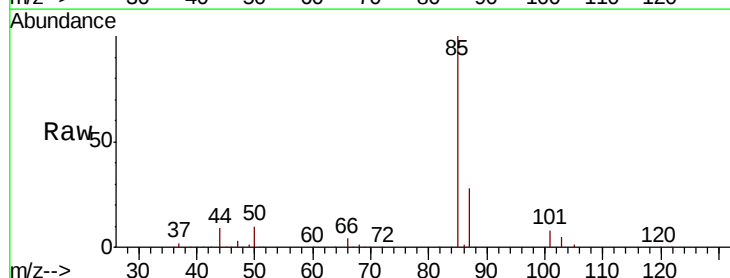
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#2
Dichlorodifluoromethane
Concen: 24.233 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX004951.D
Acq: 03 Oct 2018 07:06

Tgt Ion	Ratio	Lower	Upper
85	100		
87	28.2	15.7	47.1





#3

Chloromethane

Concen: 21.335 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX004951.D

Acq: 03 Oct 2018 07:06

Instrument :

MSVOA_X

ClientSampleId :

VX1003MBS01

Tot Ion: 50 Resp: 83015

Ion Ratio Lower Upper

50 100

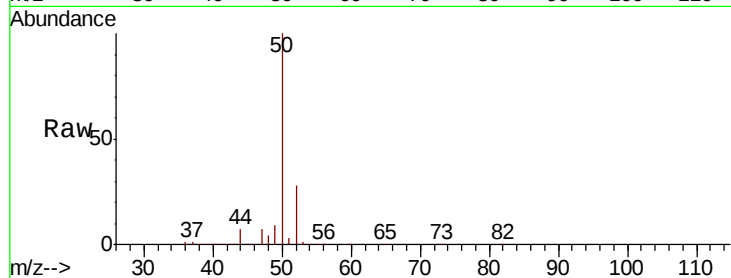
52 28.2 25.8 38.6

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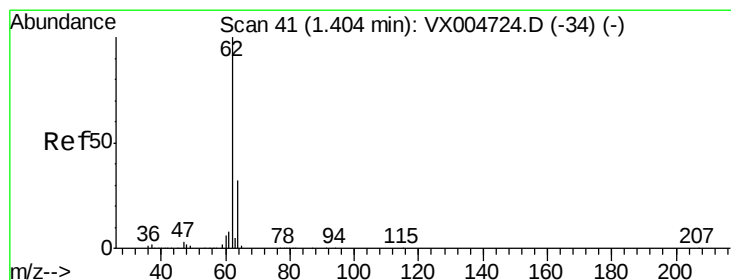
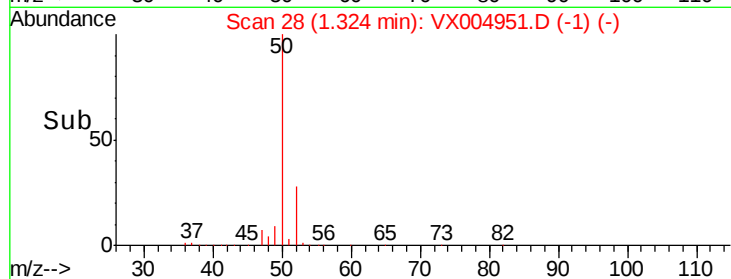
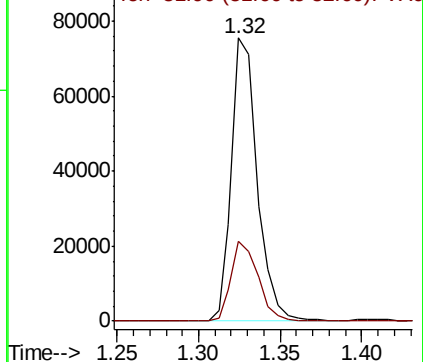
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 22.022 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX004951.D

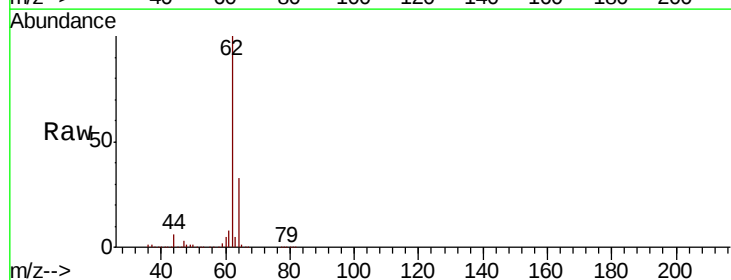
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Tgt Ion: 62 Resp: 80368

Ion Ratio Lower Upper

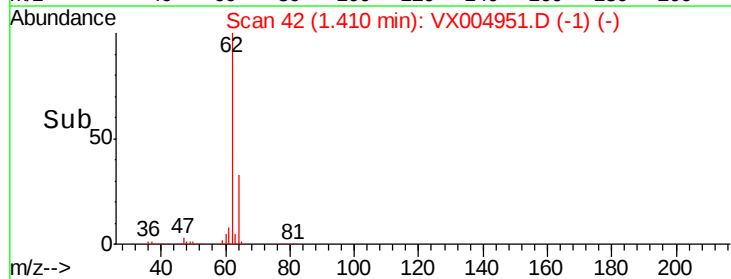
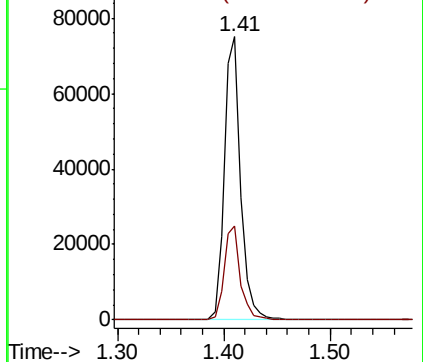
62 100

64 33.3 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 18.751 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX004951.D

Acq: 03 Oct 2018 07:06

Instrument :

MSVOA_X

ClientSampleId :

VX1003MBS01

Tot Ion: 94 Resp: 40578

Ion Ratio Lower Upper

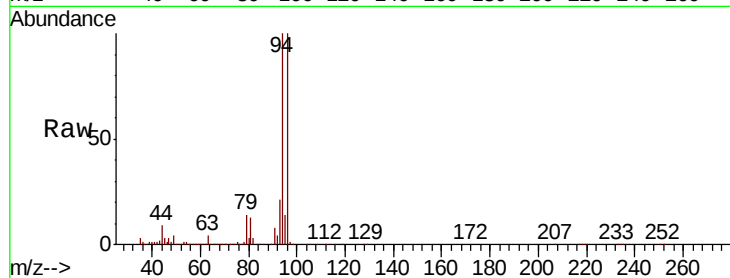
94 100

96 100.3 79.5 119.3

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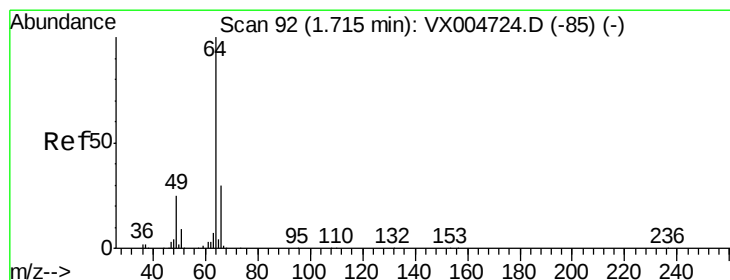
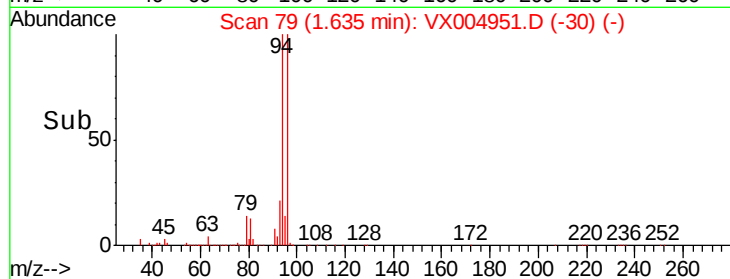
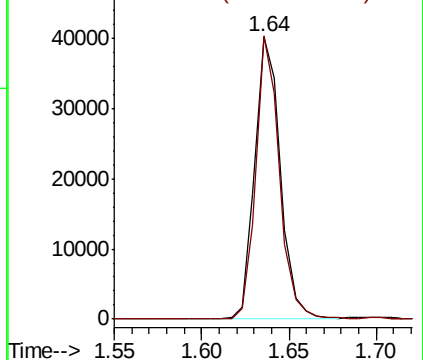
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.837 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004951.D

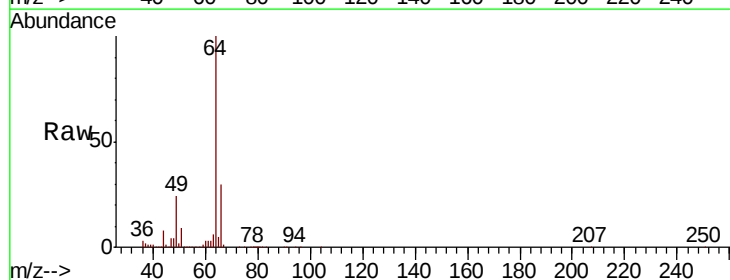
Acq: 03 Oct 2018 07:06

Tgt Ion: 64 Resp: 44142

Ion Ratio Lower Upper

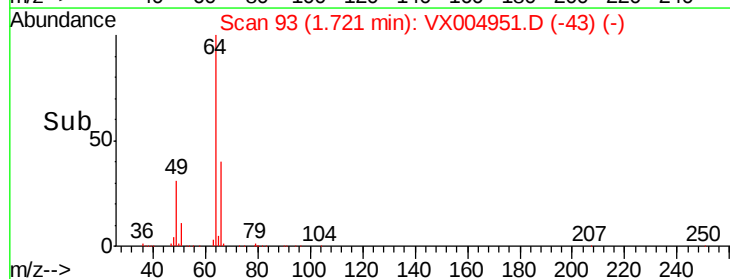
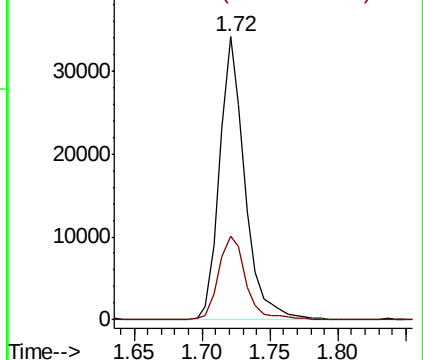
64 100

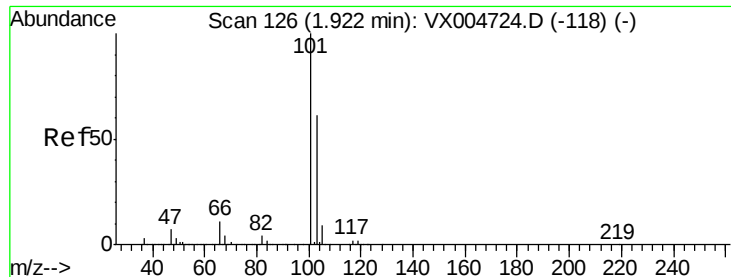
66 29.8 23.8 35.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

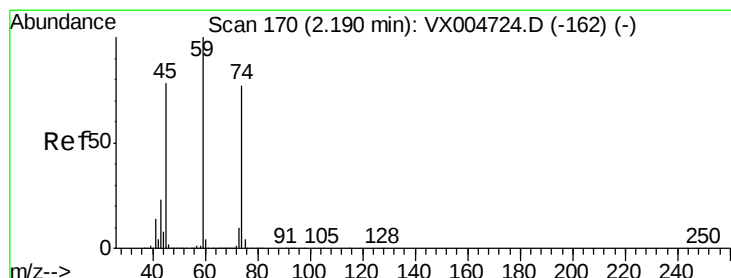
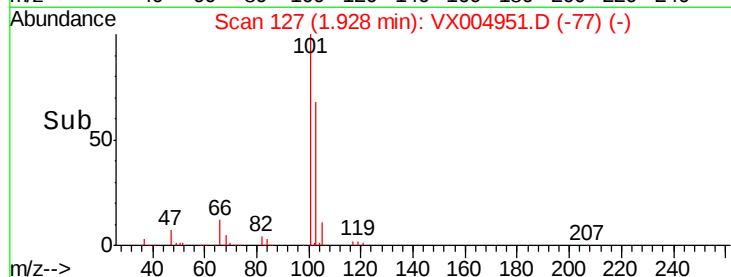
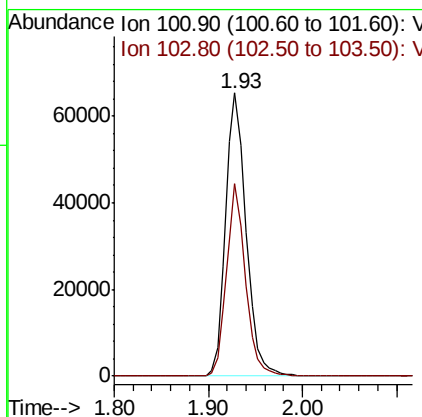
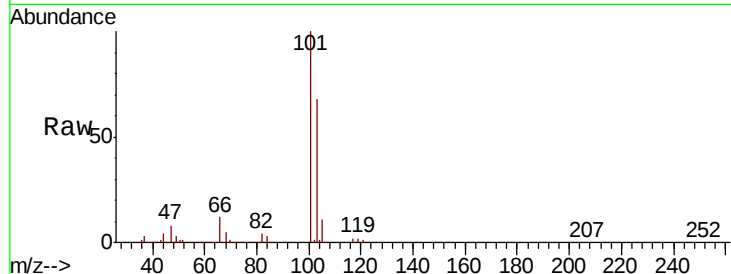
Trichlorofluoromethane
Concen: 21.871 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX004951.D
Acq: 03 Oct 2018 07:06

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	68.1	48.4	72.6

Manual Integrations
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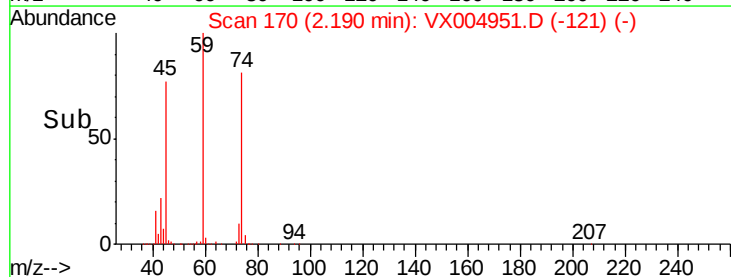
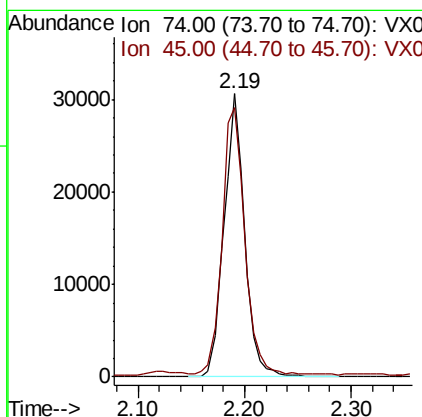
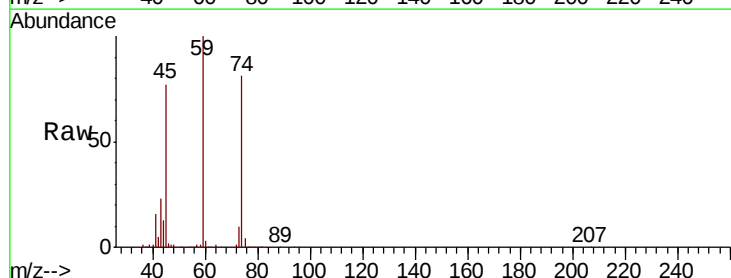
sam
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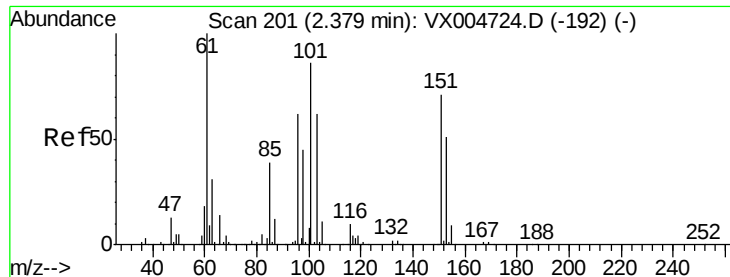


#8

Diethyl Ether
Concen: 21.188 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX004951.D
Acq: 03 Oct 2018 07:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.7	52.5	157.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.736 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX004951.D

Acq: 03 Oct 2018 07:06

Instrument :

MSVOA_X

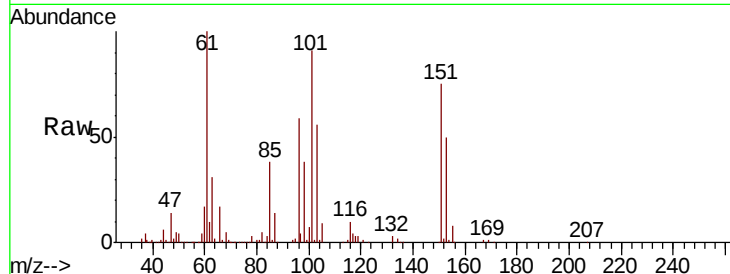
ClientSampleId :

VX1003MBS01

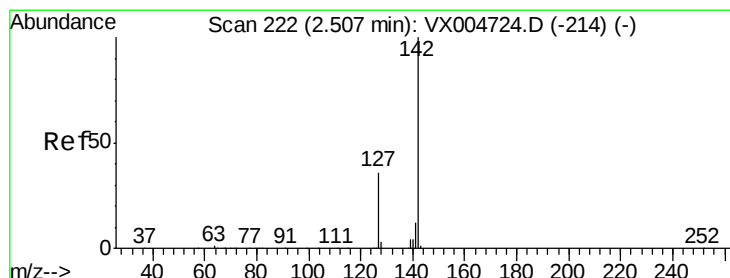
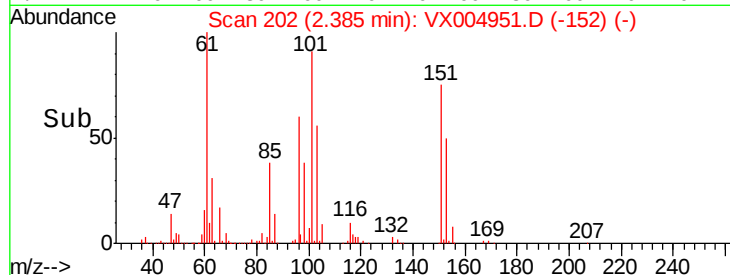
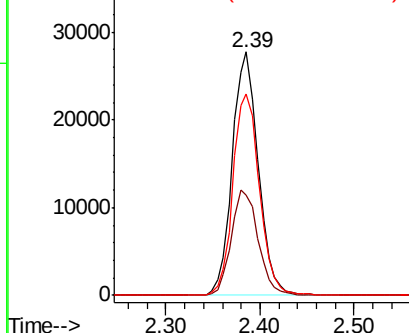
Tot Ion:	101	Resp:	53364
Ion Ratio	Lower	Upper	
101	100		
85	44.6	35.9	53.9
151	84.3	66.6	100.0

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



#10

Methyl Iodide

Concen: 12.641 ug/l

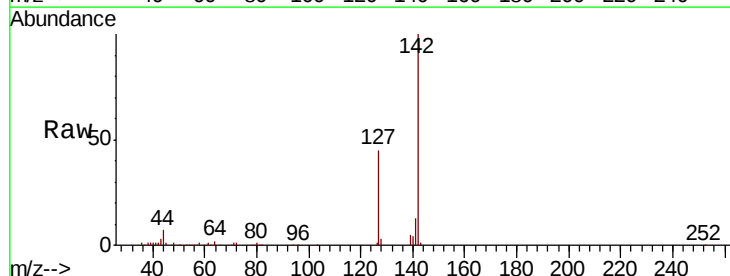
RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

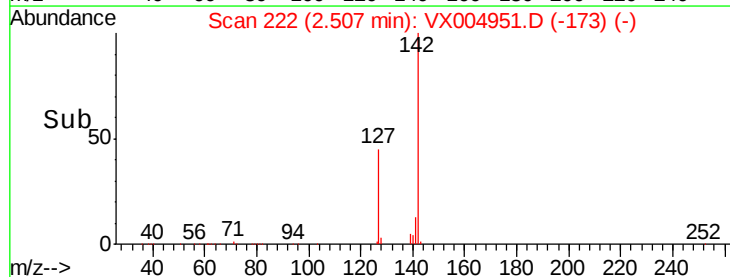
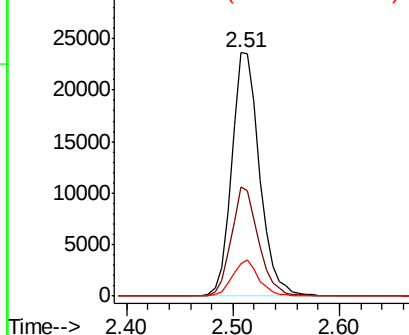
Lab File: VX004951.D

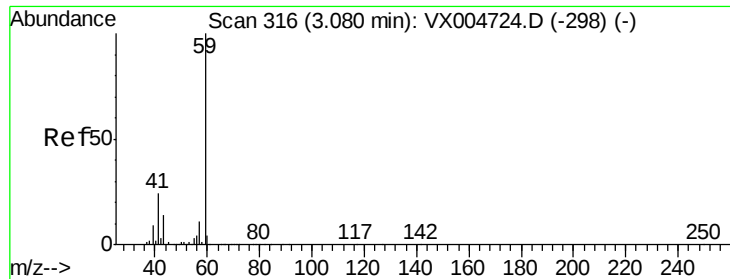
Acq: 03 Oct 2018 07:06

Tgt Ion:	142	Resp:	43533
Ion Ratio	Lower	Upper	
142	100		
127	43.9	30.1	45.1
141	14.0	10.1	15.1



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





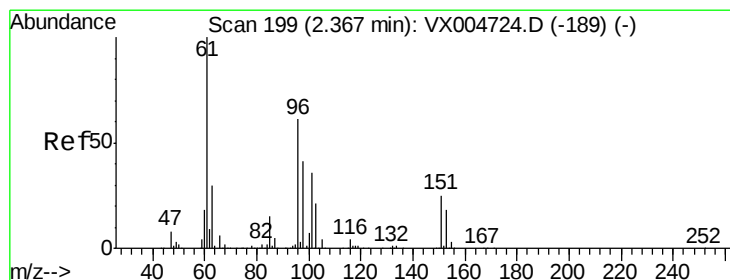
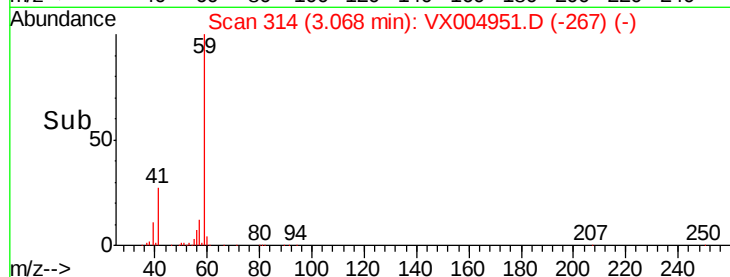
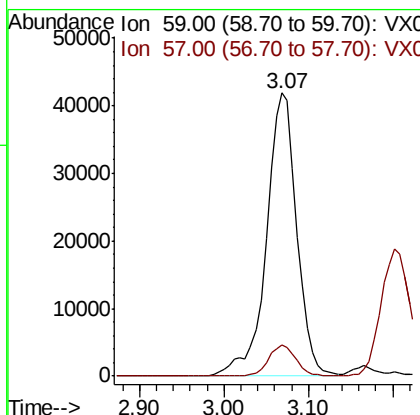
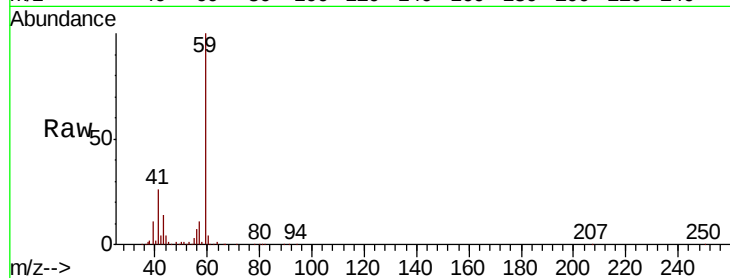
#11
Tert butyl alcohol
Concen: 111.083 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX004951.D
Acq: 03 Oct 2018 07:06

Instrument :
MSVOA_X
ClientSampleId :
VX1003MBS01

Tot Ion: 59 Resp: 104364
Ion Ratio Lower Upper
59 100
57 10.1 8.6 12.8

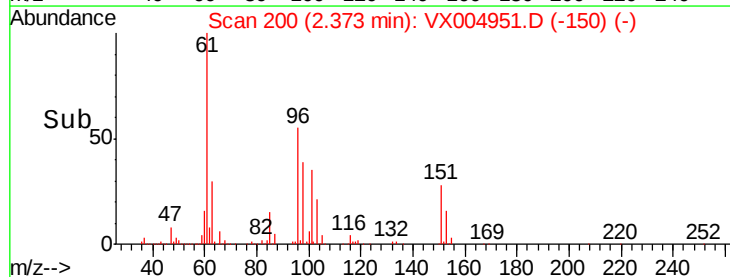
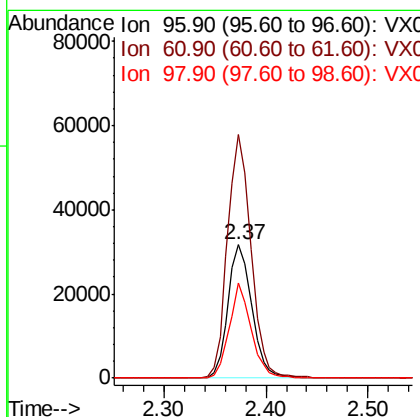
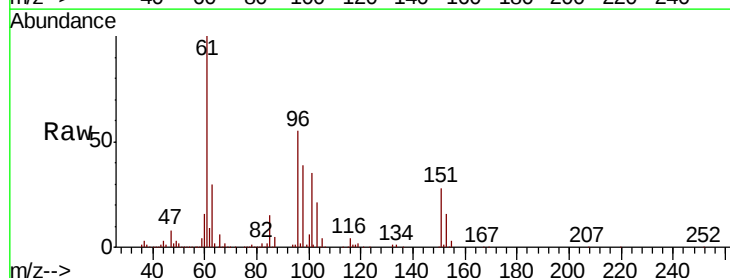
Manual Integrations
APPROVED

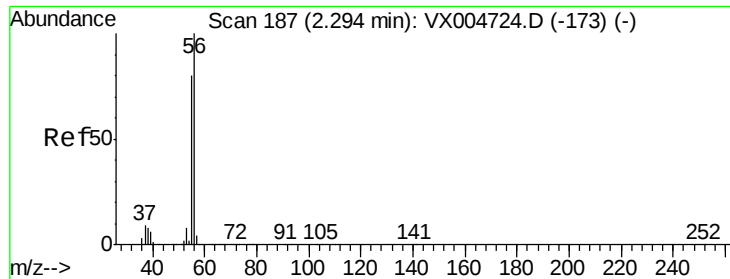
sam
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#12
1,1-Dichloroethene
Concen: 20.188 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX004951.D
Acq: 03 Oct 2018 07:06

Tgt Ion: 96 Resp: 51453
Ion Ratio Lower Upper
96 100
61 183.1 130.2 195.4
98 71.7 53.4 80.0





#13

Acrolein

Concen: 36.487 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004951.D

Acq: 03 Oct 2018 07:06

Instrument :

MSVOA_X

ClientSampleId :

VX1003MBS01

Tot Ion: 56 Resp: 24390

Ion Ratio Lower Upper

56 100

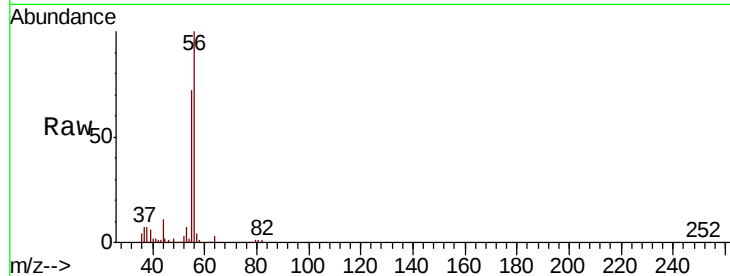
55 73.2 63.4 95.2

Manual Integrations

APPROVED

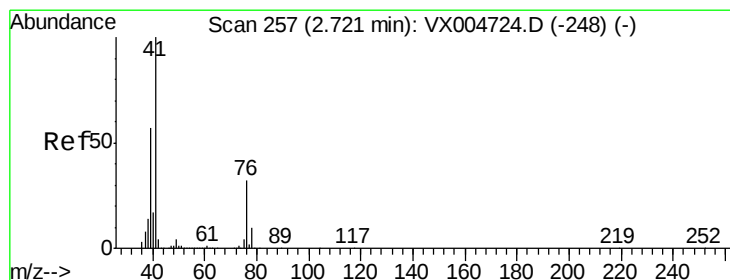
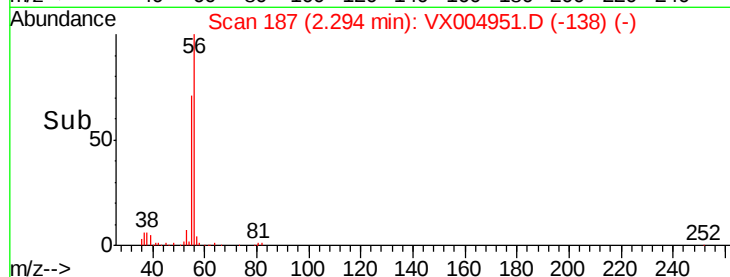
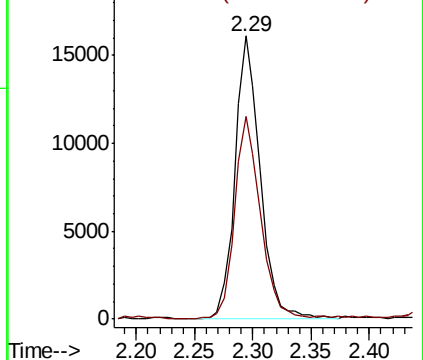
sam

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 19.496 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX004951.D

Acq: 03 Oct 2018 07:06

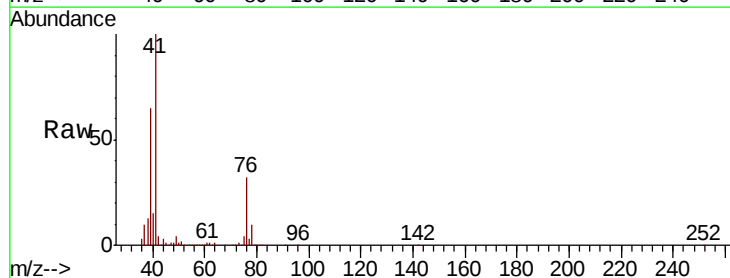
Tgt Ion: 41 Resp: 108418

Ion Ratio Lower Upper

41 100

39 60.0 44.1 66.1

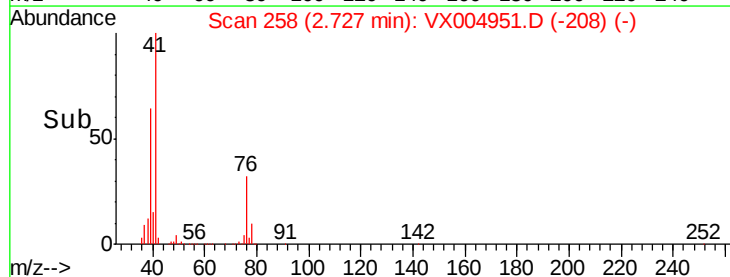
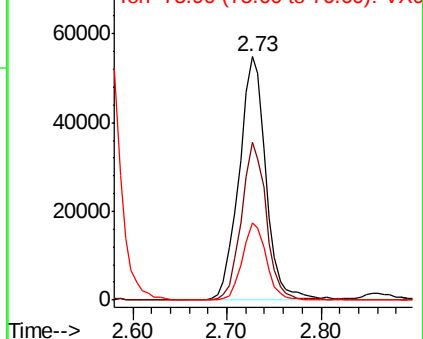
76 28.8 25.0 37.4

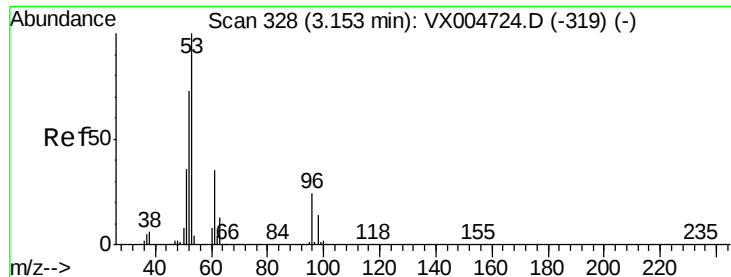


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 106.718 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX004951.D

Acq: 03 Oct 2018 07:06

Instrument :

MSVOA_X

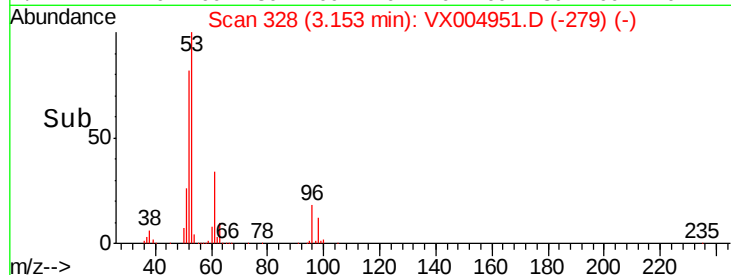
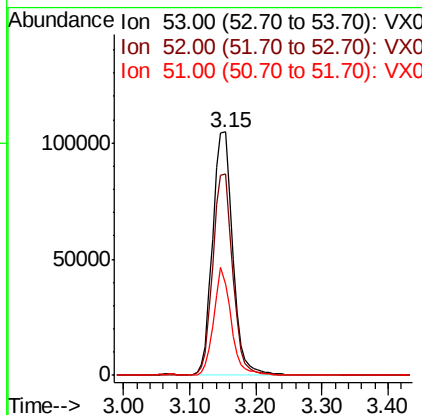
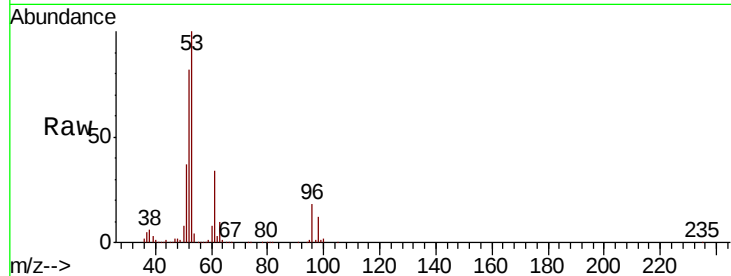
ClientSampleId :

VX1003MBS01

Tot Ion:	53	Resp:	220716
Ion	Ratio	Lower	Upper
53	100		
52	81.2	63.0	94.4
51	37.4	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 105.112 ug/l

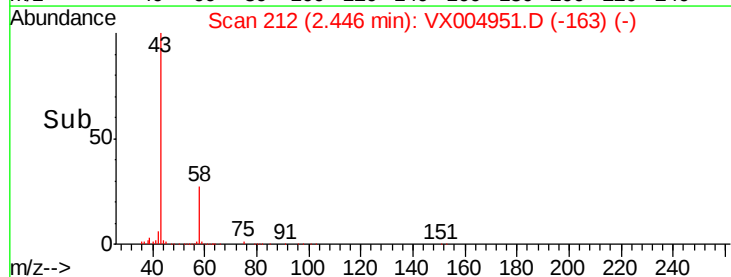
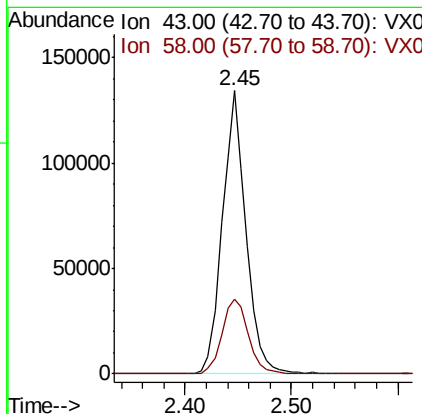
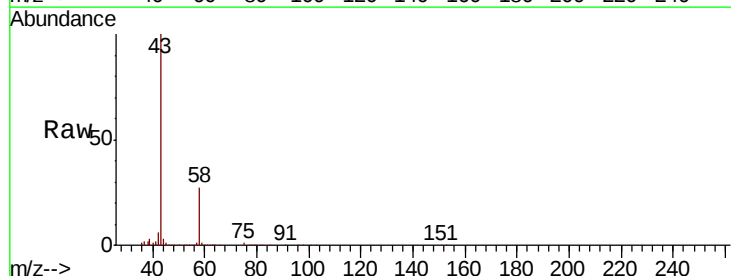
RT: 2.45 min Scan# 212

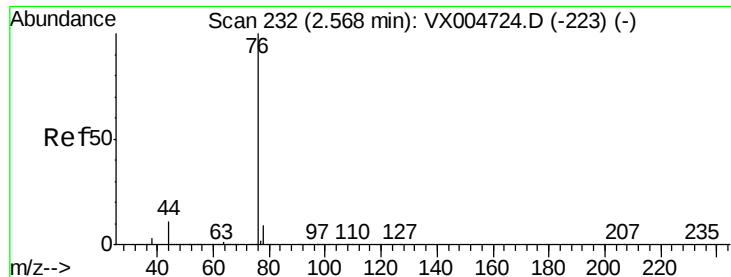
Delta R.T. -0.00 min

Lab File: VX004951.D

Acq: 03 Oct 2018 07:06

Tgt Ion:	43	Resp:	206197
Ion	Ratio	Lower	Upper
43	100		
58	26.6	21.8	32.6





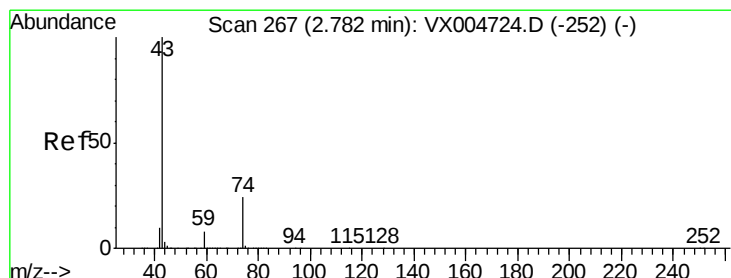
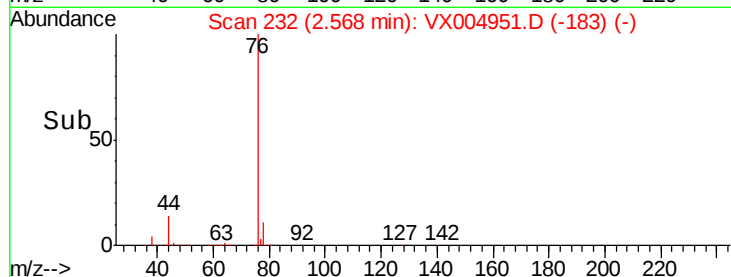
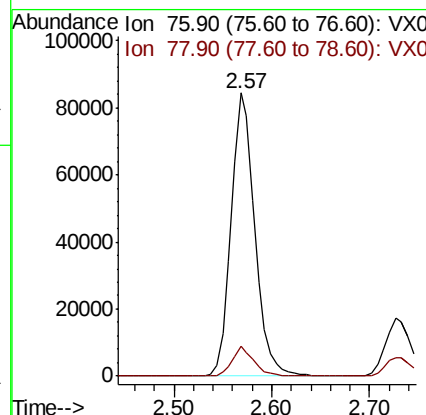
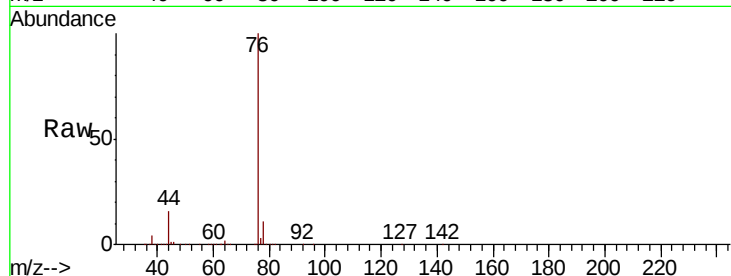
#17
Carbon Disulfide
Concen: 18.517 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX004951.D
Acq: 03 Oct 2018 07:06

Instrument :
MSVOA_X
ClientSampleId :
VX1003MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.5	7.0	10.6

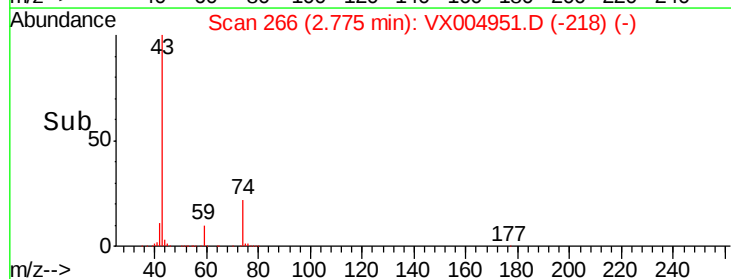
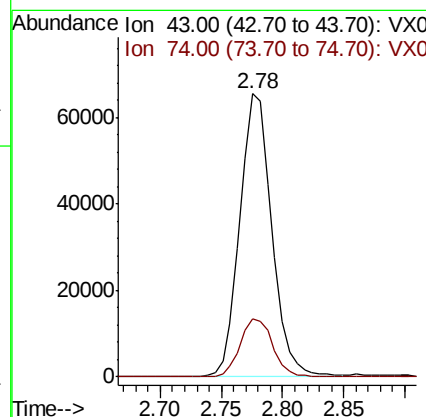
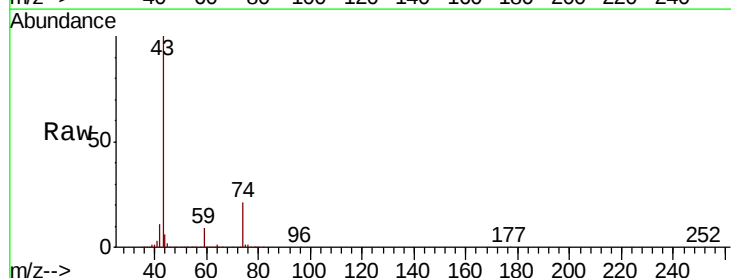
Manual Integrations
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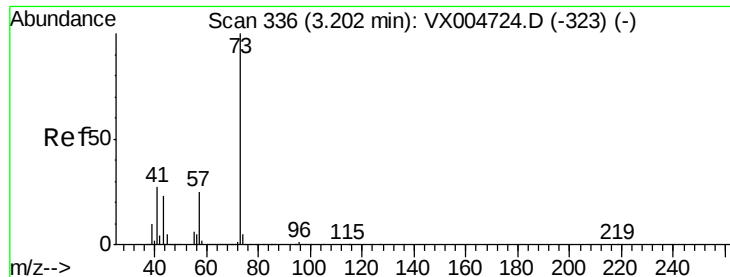
sam
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#18
Methyl Acetate
Concen: 23.736 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX004951.D
Acq: 03 Oct 2018 07:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.7	17.8	26.8





#19

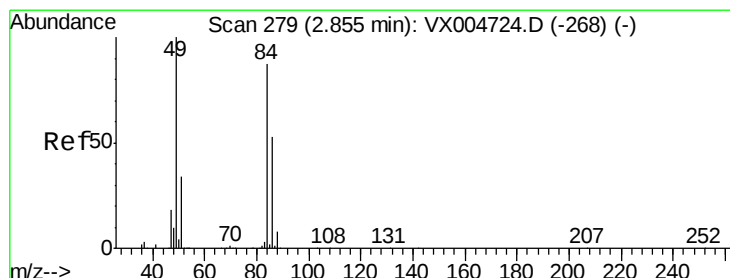
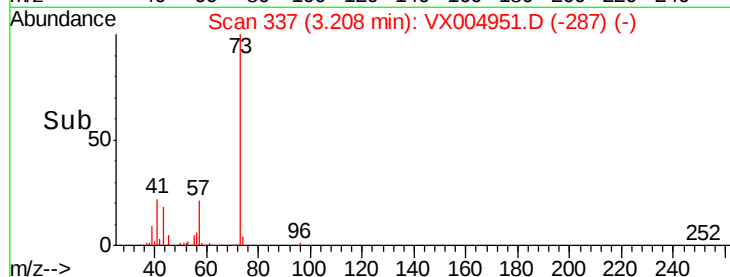
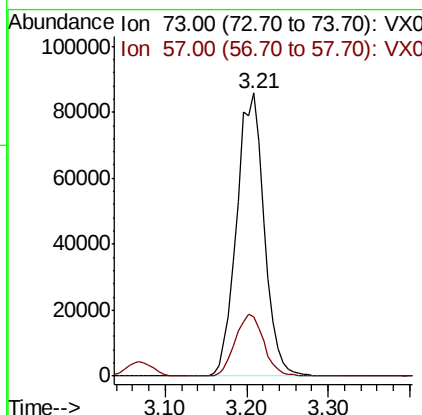
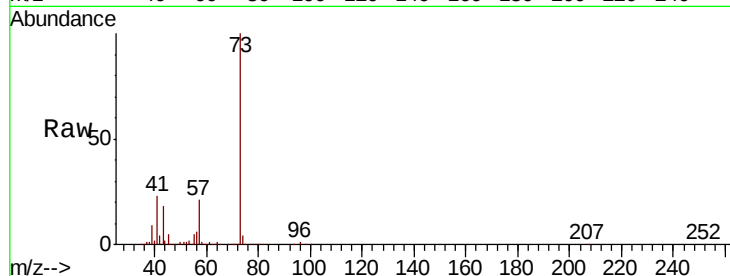
Methyl tert-butyl Ether
 Concen: 22.736 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VX004951.D
 Acq: 03 Oct 2018 07:06

Instrument :
 MSVOA_X
 ClientSampled :
 VX1003MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.0	19.9	29.9

Manual Integrations
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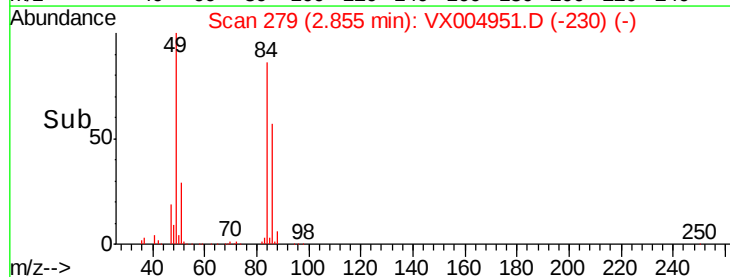
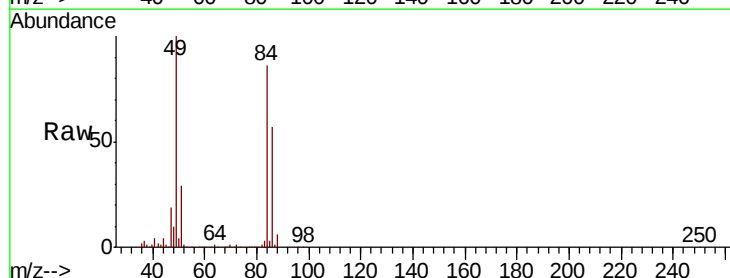
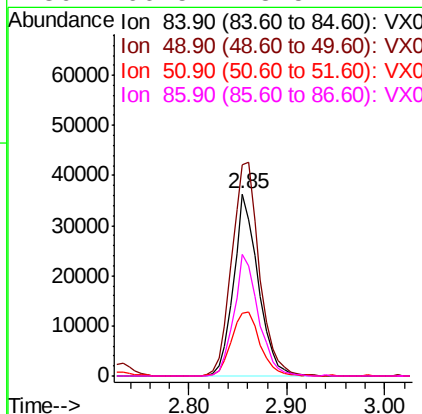
sam
 10/3/2018 5:56:51 PM

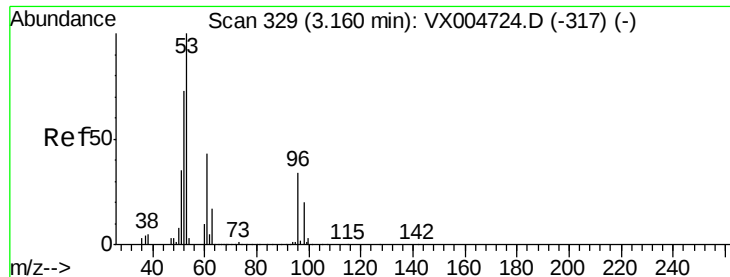


#20

Methylene Chloride
 Concen: 21.766 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX004951.D
 Acq: 03 Oct 2018 07:06

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.9	92.3	138.5
51	33.9	31.8	47.6
86	66.5	48.5	72.7





#21

trans-1,2-Dichloroethene

Concen: 19.901 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX004951.D

Acq: 03 Oct 2018 07:06

Instrument :

MSVOA_X

ClientSampleId :

VX1003MBS01

Tot Ion: 96 Resp: 55523

Ion Ratio Lower Upper

96 100

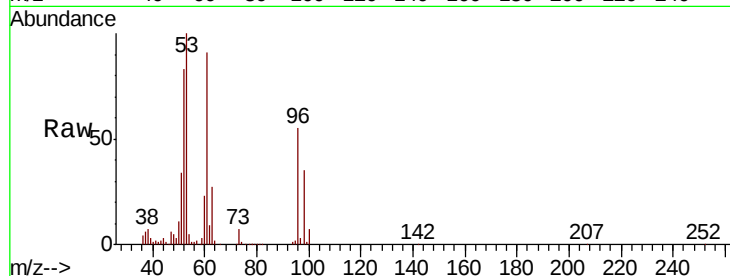
61 165.1 101.0 151.6#

98 63.0 47.2 70.8

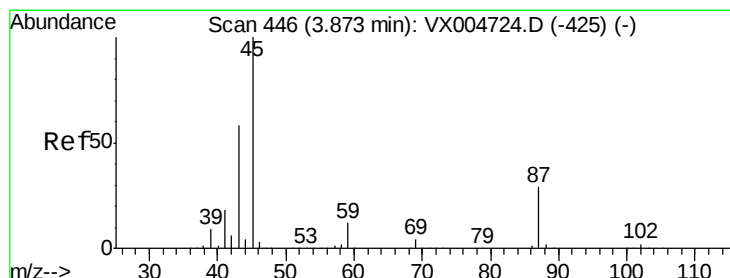
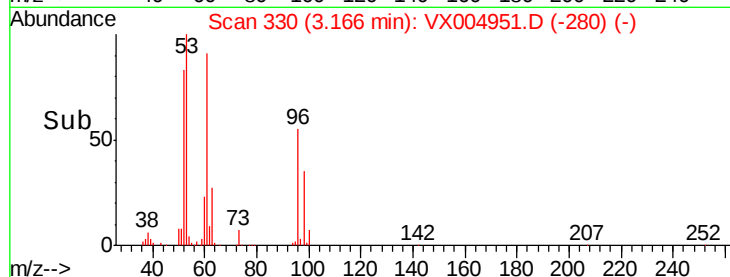
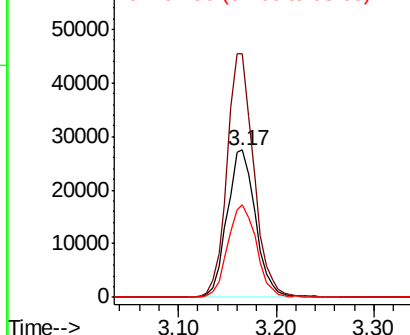
Manual Integrations
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Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 21.879 ug/l

RT: 3.86 min Scan# 444

Delta R.T. -0.01 min

Lab File: VX004951.D

Acq: 03 Oct 2018 07:06

Tgt Ion: 45 Resp: 204882

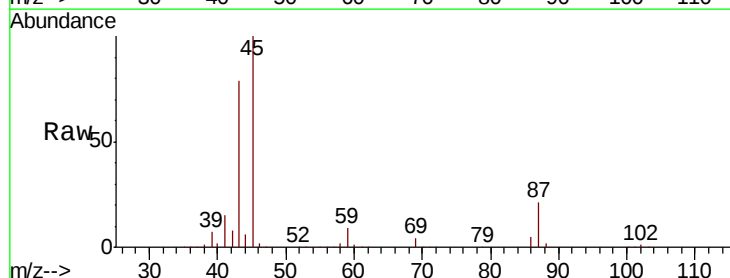
Ion Ratio Lower Upper

45 100

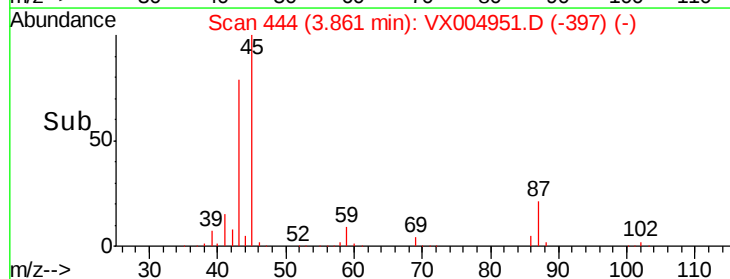
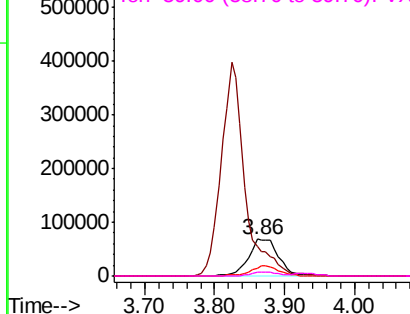
43 79.4 46.7 70.1#

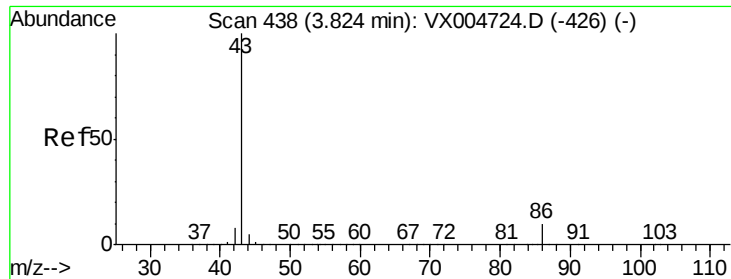
87 21.4 22.9 34.3#

59 9.5 9.3 13.9



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





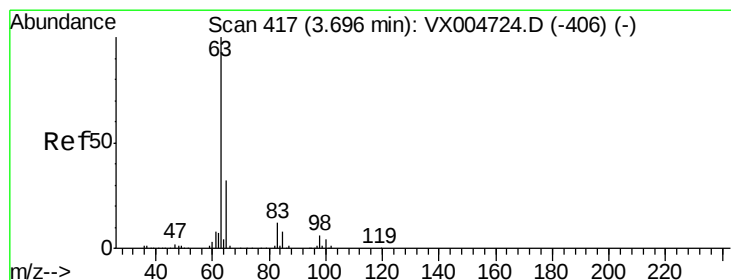
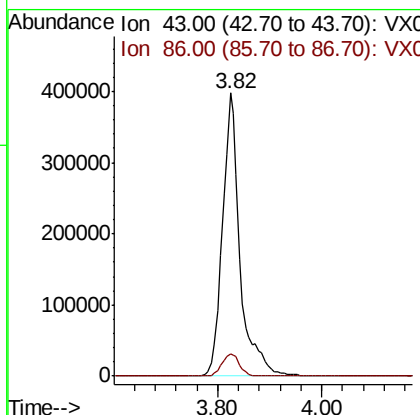
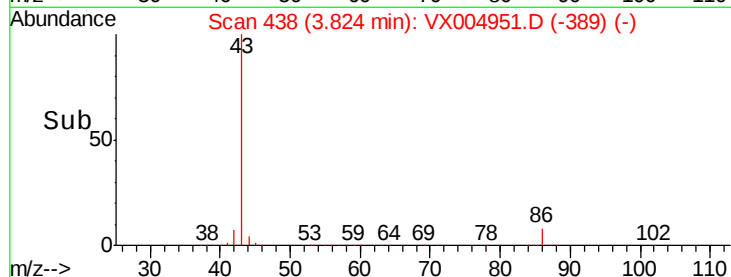
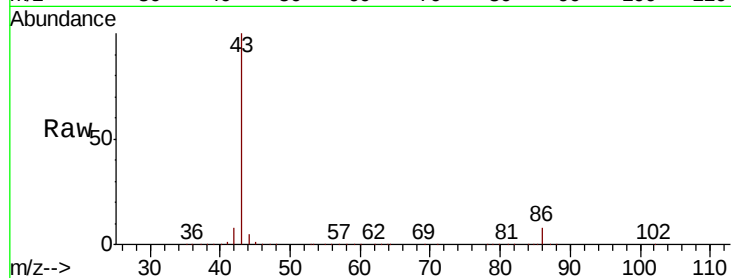
#23
 Vinyl Acetate
 Concen: 109.994 ug/l
 RT: 3.82 min Scan# 438
 Delta R.T. -0.00 min
 Lab File: VX004951.D
 Acq: 03 Oct 2018 07:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1003MBS01

Tot Ion: 43 Resp: 942822
 Ion Ratio Lower Upper
 43 100
 86 7.7 8.1 12.1#

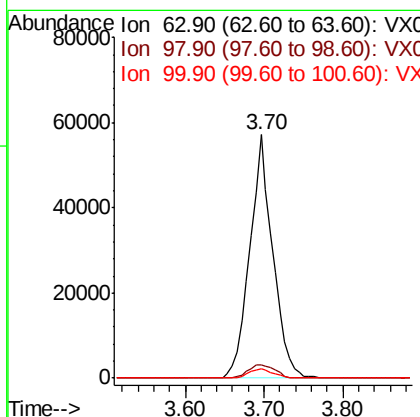
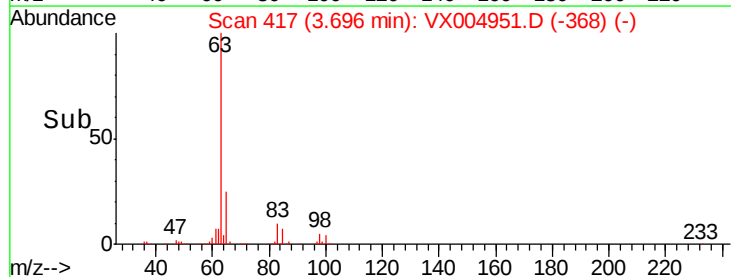
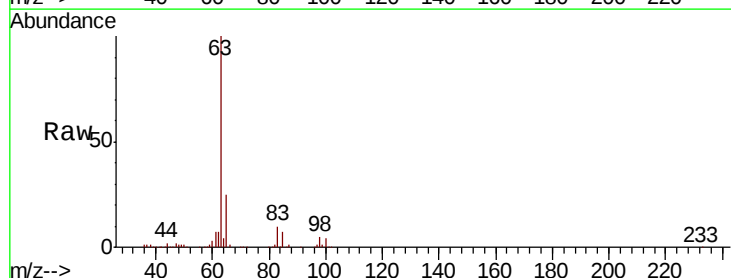
Manual Integrations
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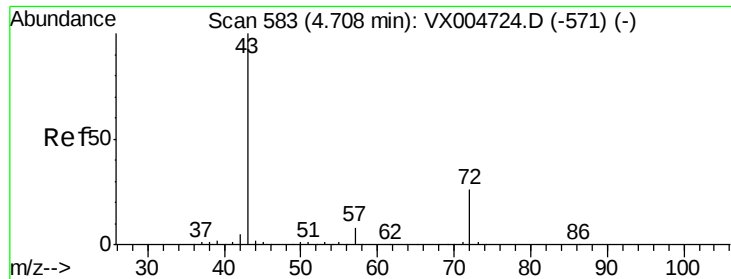
sam
 10/3/2018 5:56:51 PM



#24
 1,1-Dichloroethane
 Concen: 20.773 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. -0.00 min
 Lab File: VX004951.D
 Acq: 03 Oct 2018 07:06

Tgt Ion: 63 Resp: 116037
 Ion Ratio Lower Upper
 63 100
 98 5.3 3.0 9.2
 100 4.0 2.0 5.8





#25

2-Butanone

Concen: 102.917 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX004951.D

Acq: 03 Oct 2018 07:06

Instrument :

MSVOA_X

ClientSampleId :

VX1003MBS01

Tot Ion: 43 Resp: 297594

Ion Ratio Lower Upper

43 100

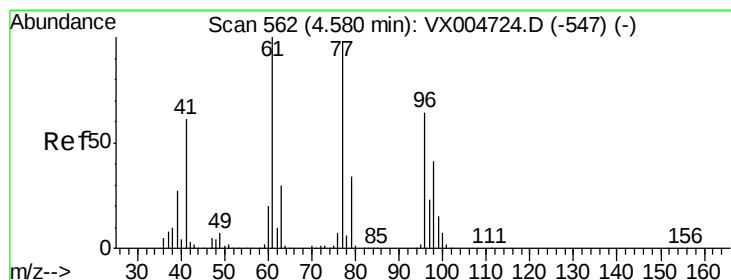
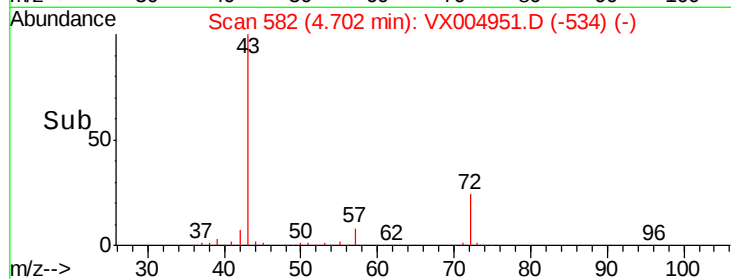
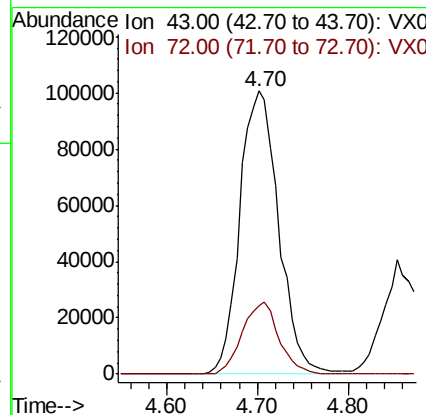
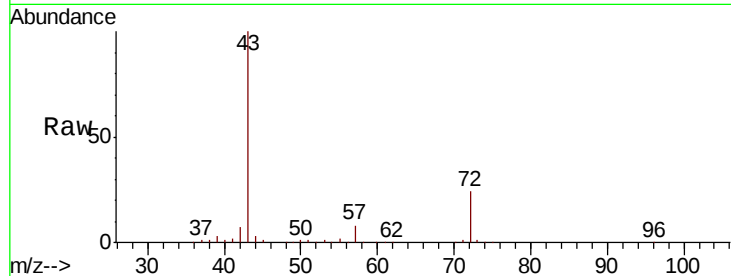
72 24.0 20.8 31.2

Manual Integrations

APPROVED

sam

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#26

2,2-Dichloropropane

Concen: 11.982 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX004951.D

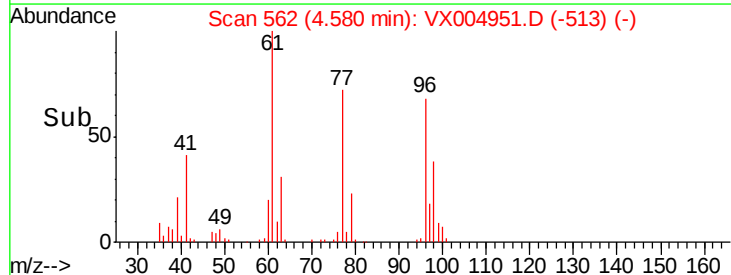
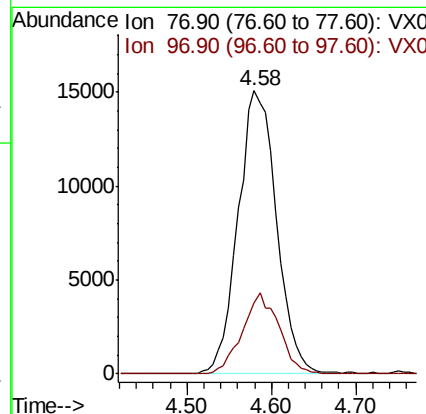
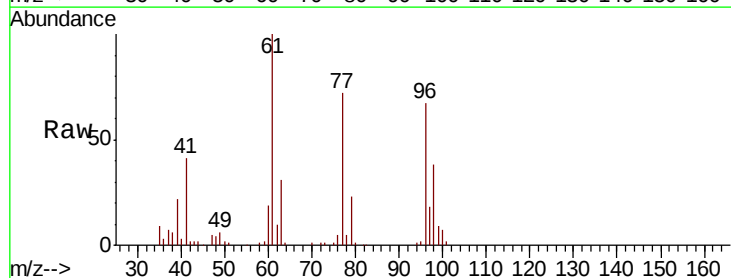
Acq: 03 Oct 2018 07:06

Tgt Ion: 77 Resp: 46607

Ion Ratio Lower Upper

77 100

97 27.1 12.6 37.8





#27

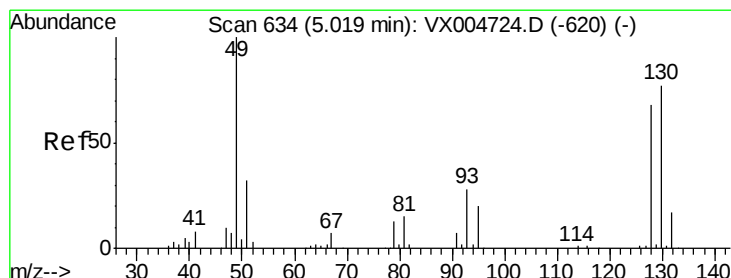
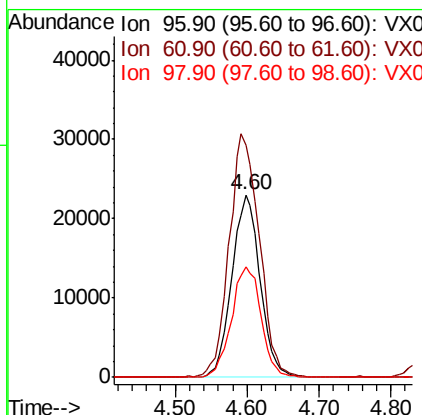
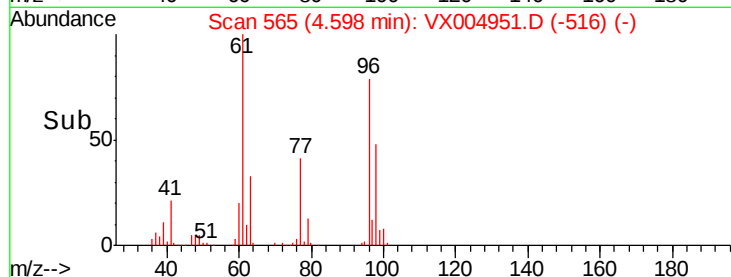
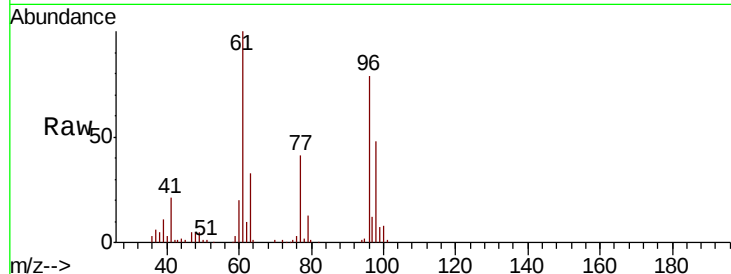
cis-1,2-Dichloroethene
Concen: 20.093 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX004951.D
Acq: 03 Oct 2018 07:06

Instrument :
MSVOA_X
ClientSampleId :
VX1003MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.9	0.0	285.8
98	63.4	0.0	136.2

Manual Integrations
APPROVED

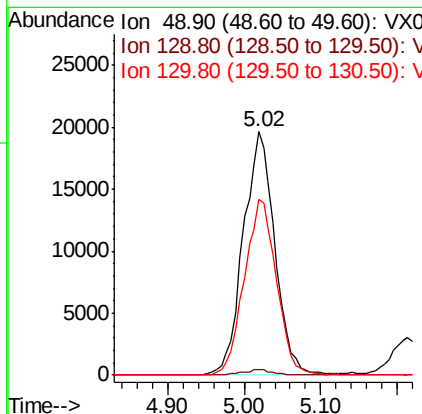
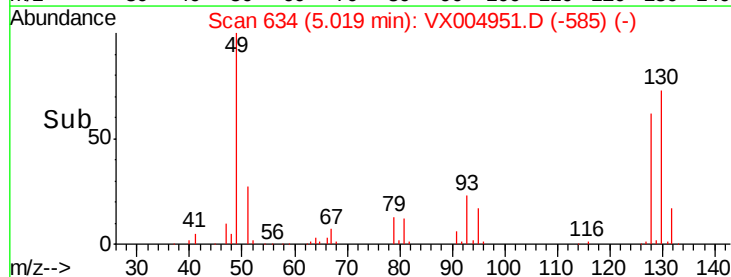
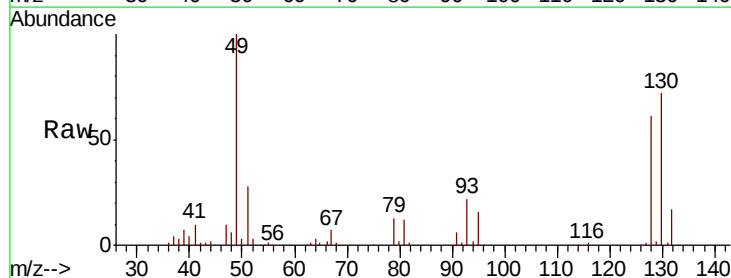
sam
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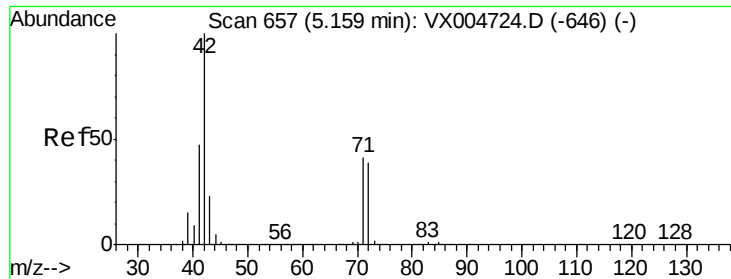


#28

Bromochloromethane
Concen: 21.336 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX004951.D
Acq: 03 Oct 2018 07:06

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	73.3	62.0	93.0





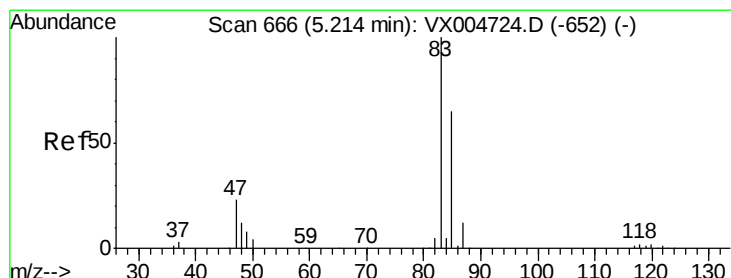
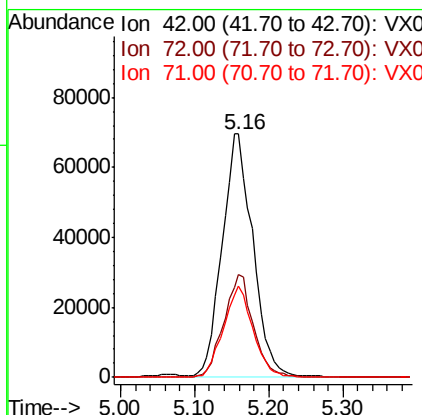
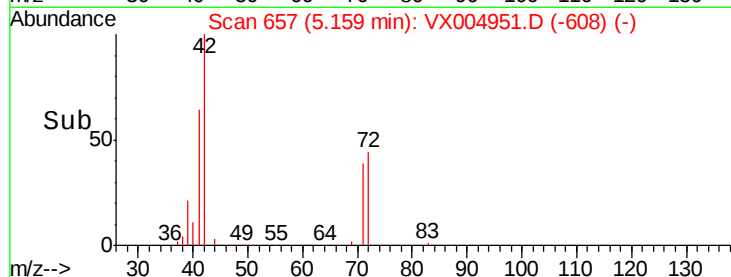
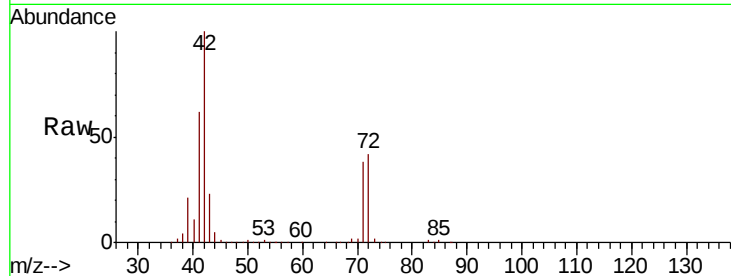
#29
Tetrahydrofuran
Concen: 111.018 ug/l
RT: 5.16 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX004951.D
Acq: 03 Oct 2018 07:06

Instrument :
MSVOA_X
ClientSampled :
VX1003MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.8	33.7	50.5
71	36.4	32.2	48.4

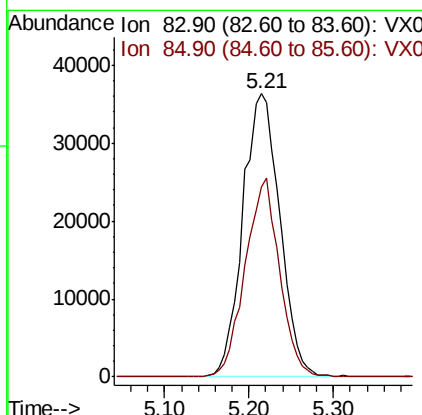
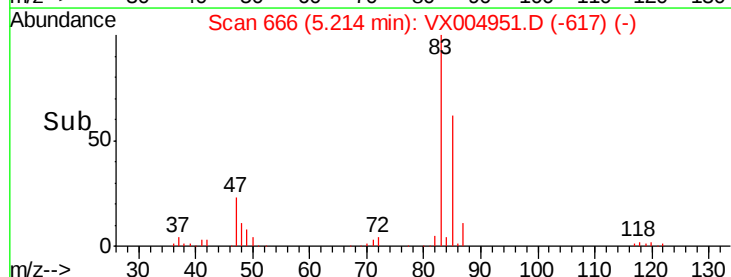
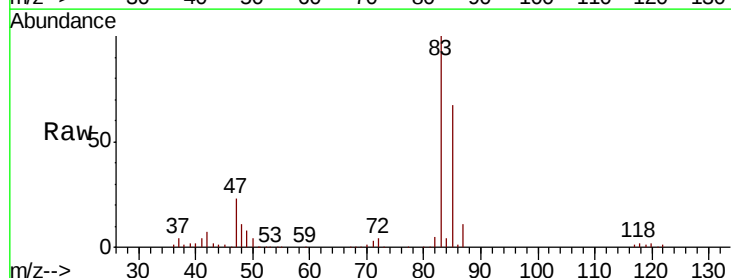
Manual Integrations
APPROVED

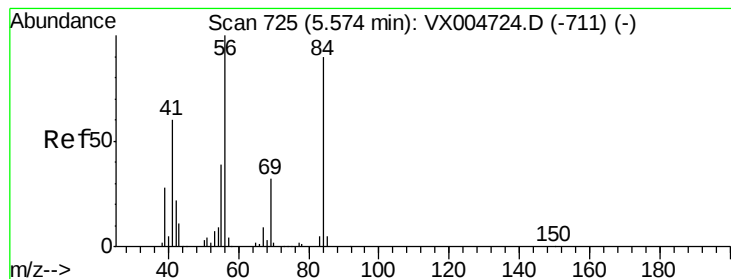
sam
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#30
Chloroform
Concen: 20.563 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX004951.D
Acq: 03 Oct 2018 07:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	52.4	78.6





#31

Cyclohexane

Concen: 22.452 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX004951.D

Acq: 03 Oct 2018 07:06

Instrument :

MSVOA_X

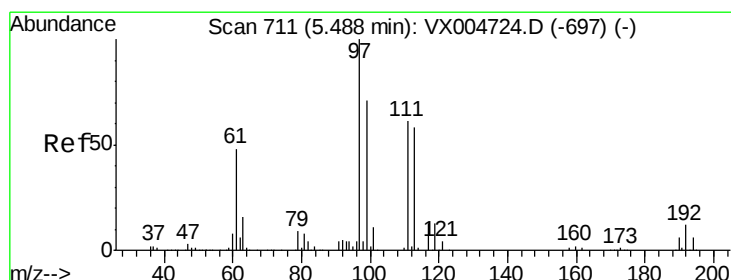
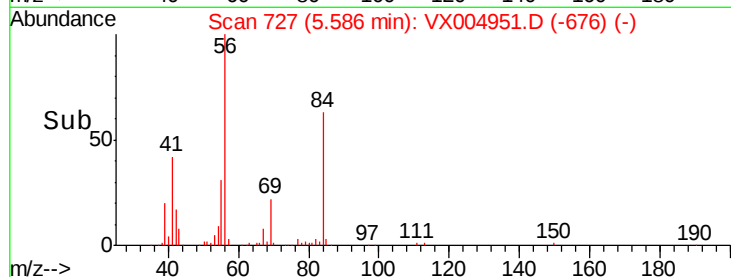
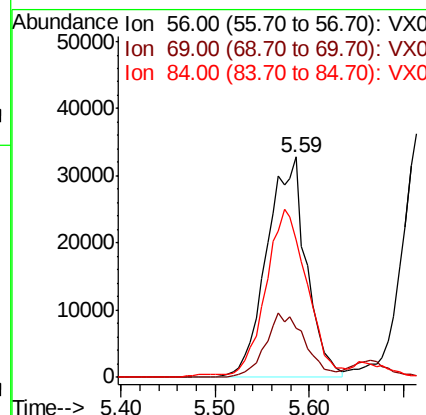
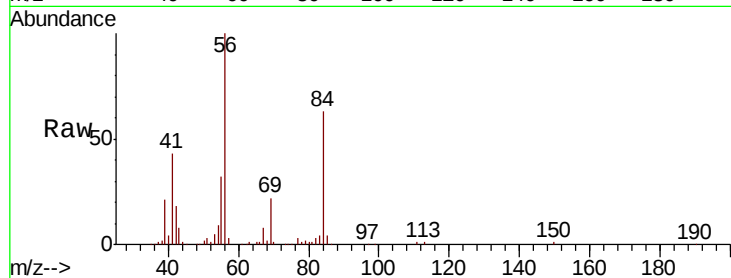
ClientSampleId :

VX1003MBS01

Tot Ion:	56	Resp:	95988
Ion	Ratio	Lower	Upper
56	100		
69	22.0	25.9	38.9#
84	61.6	71.9	107.9#

Manual Integrations
APPROVED

sam
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#32

1,1,1-Trichloroethane

Concen: 22.374 ug/l

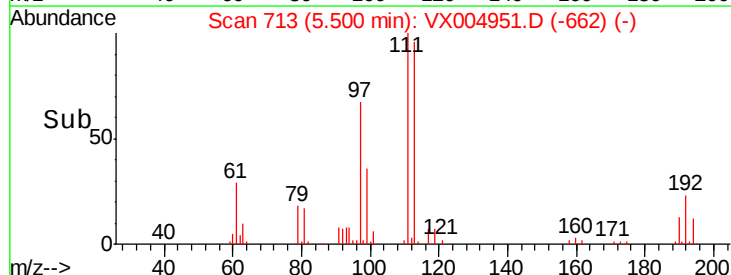
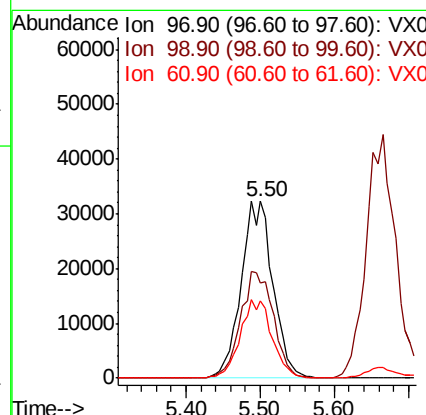
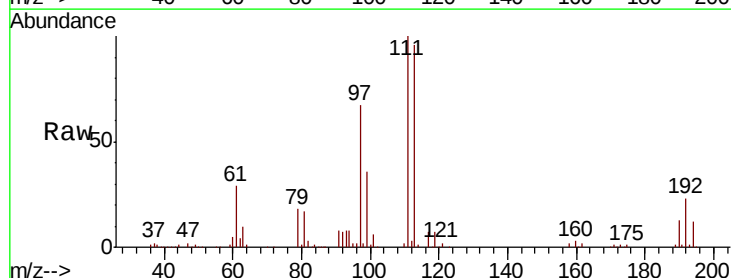
RT: 5.50 min Scan# 713

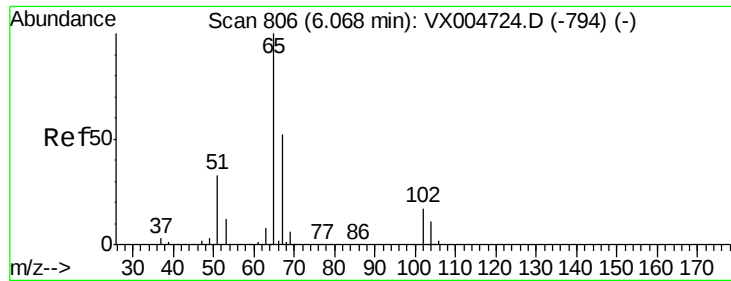
Delta R.T. 0.01 min

Lab File: VX004951.D

Acq: 03 Oct 2018 07:06

Tgt Ion:	97	Resp:	96464
Ion	Ratio	Lower	Upper
97	100		
99	62.5	54.6	82.0
61	44.5	37.5	56.3





#33

1,2-Dichloroethane-d4

Concen: 51.604 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004951.D

Acq: 03 Oct 2018 07:06

Instrument :

MSVOA_X

ClientSampleId :

VX1003MBS01

Tot Ion: 65 Resp: 173396

Ion Ratio Lower Upper

65 100

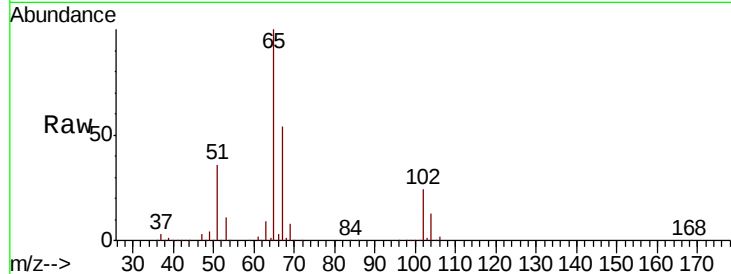
67 54.0 0.0 107.4

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

80000

60000

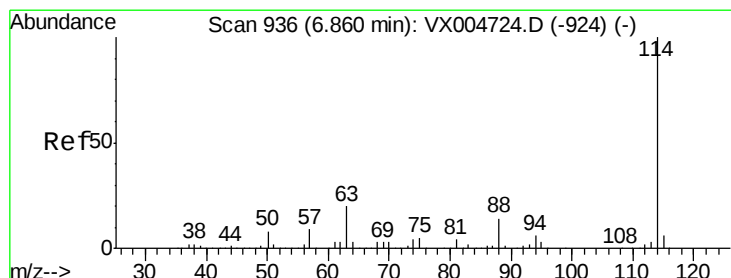
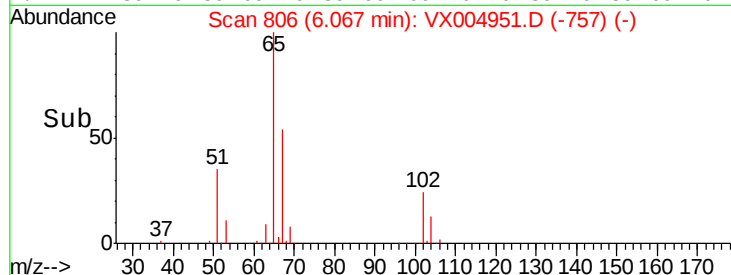
40000

20000

0

Time-->

6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX004951.D

Acq: 03 Oct 2018 07:06

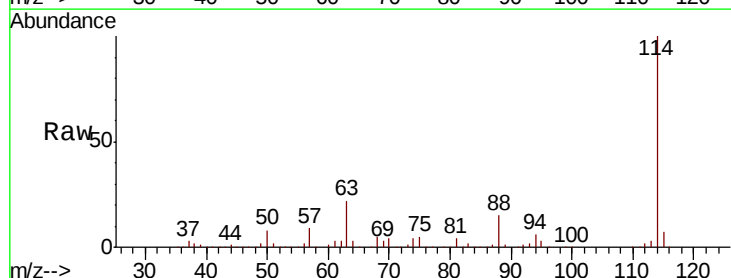
Tgt Ion: 114 Resp: 330771

Ion Ratio Lower Upper

114 100

63 21.7 0.0 39.8

88 15.3 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

150000

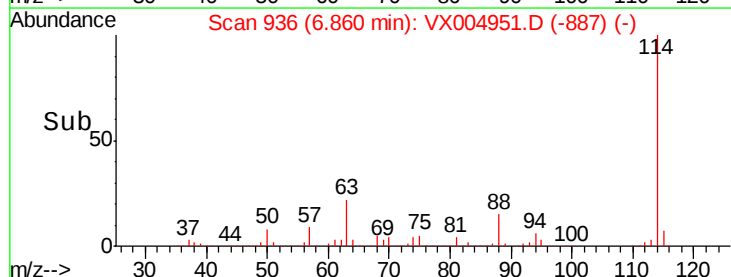
100000

50000

0

Time-->

6.80 7.00 7.20





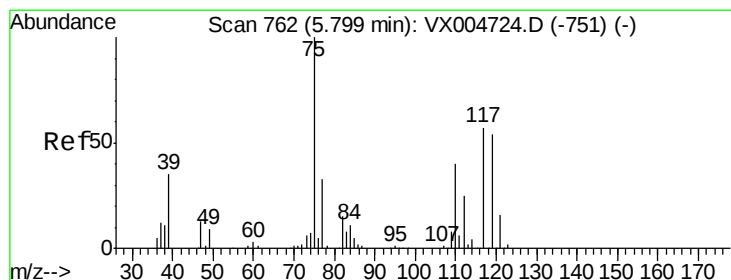
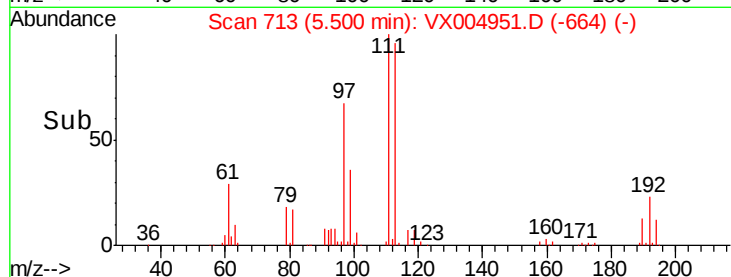
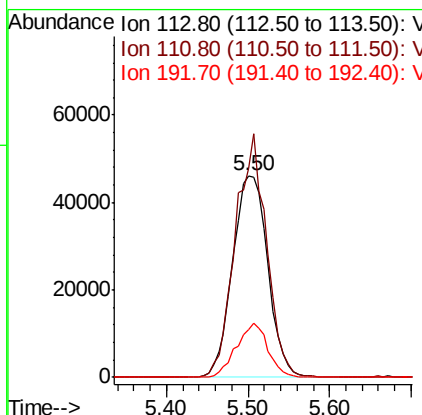
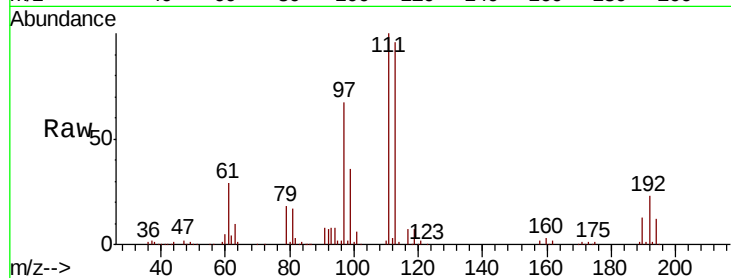
#35
 Dibromofluoromethane
 Concen: 49.237 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004951.D
 Acq: 03 Oct 2018 07:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1003MBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	107.2	77.0	115.4
192	24.0	17.0	25.6

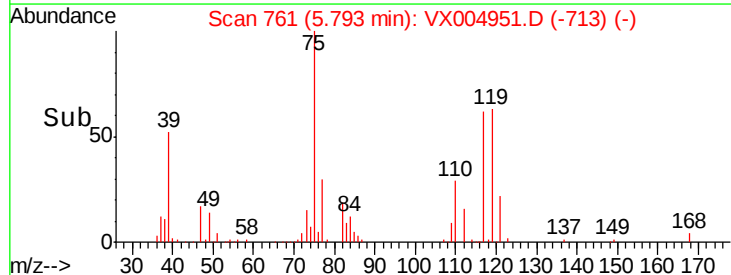
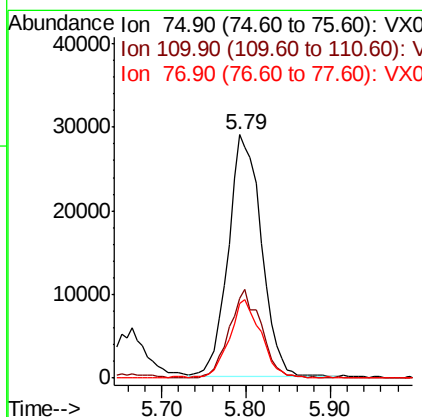
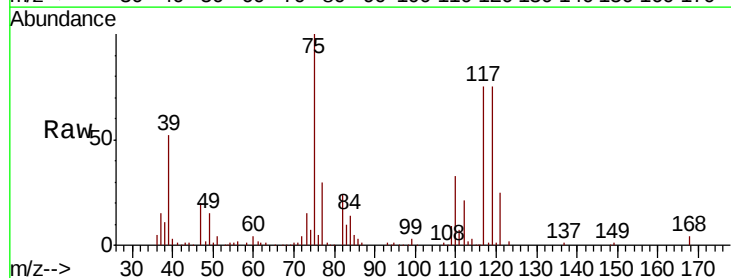
Manual Integrations
 APPROVED

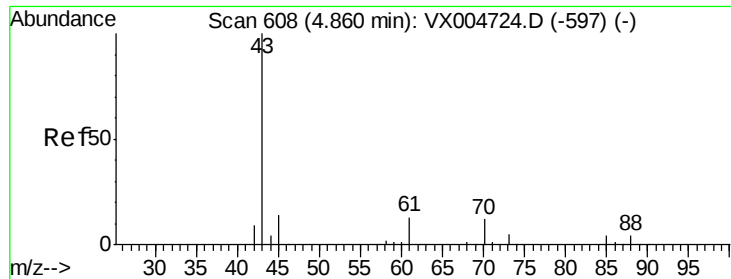
sam
 10/3/2018 5:56:51 PM



#36
 1,1-Dichloropropene
 Concen: 20.178 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX004951.D
 Acq: 03 Oct 2018 07:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	20.0	59.9
77	30.2	27.1	40.7





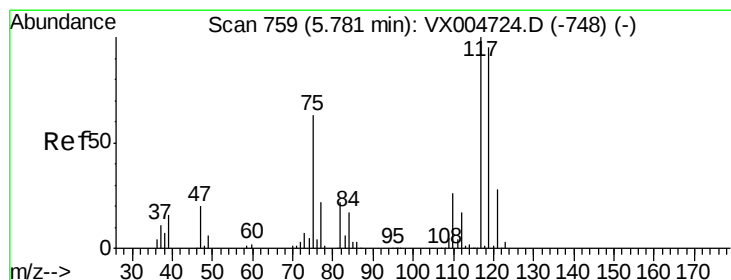
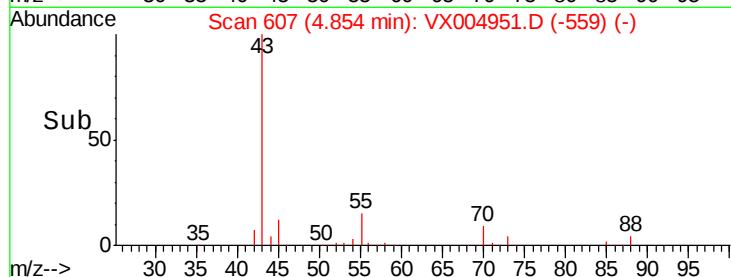
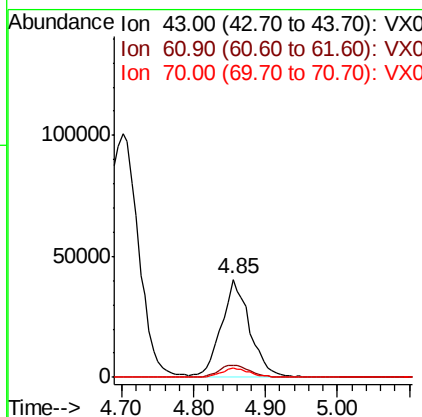
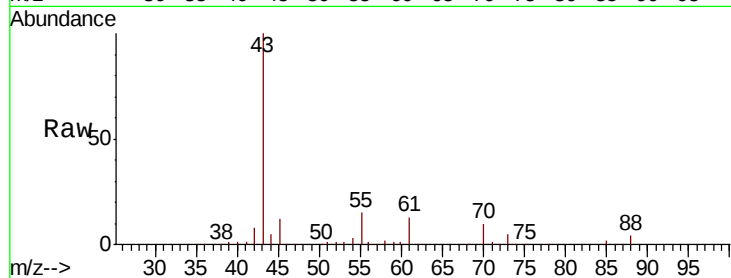
#37
Ethyl Acetate
Concen: 21.810 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX004951.D
Acq: 03 Oct 2018 07:06

Instrument :
MSVOA_X
ClientSampleId :
VX1003MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.4	15.6
70	9.6	8.7	13.1

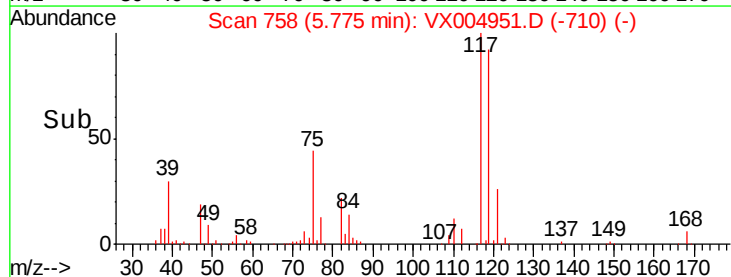
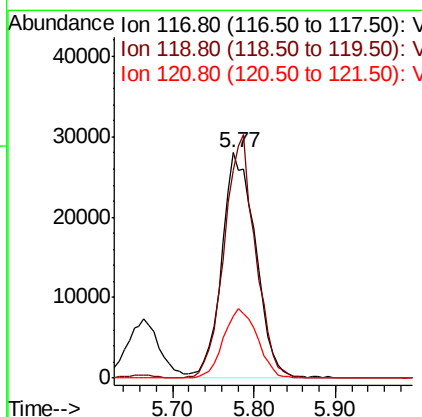
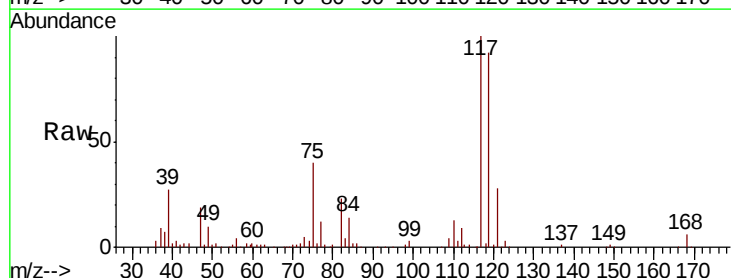
Manual Integrations
APPROVED

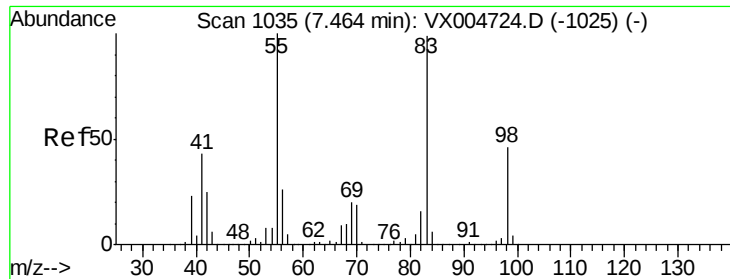
sam
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#38
Carbon Tetrachloride
Concen: 19.826 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX004951.D
Acq: 03 Oct 2018 07:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.3	75.2	112.8
121	27.7	22.5	33.7





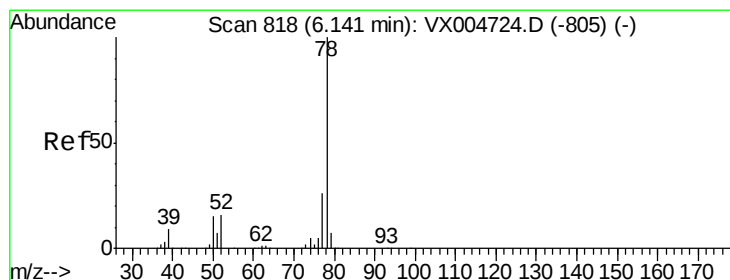
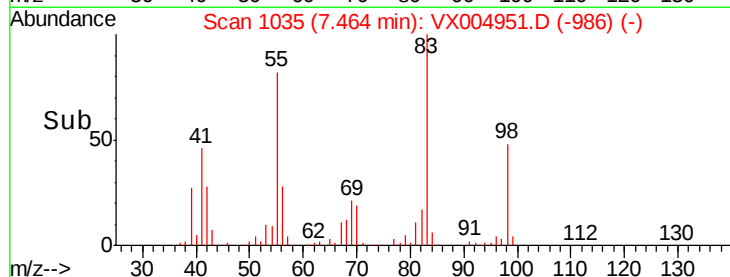
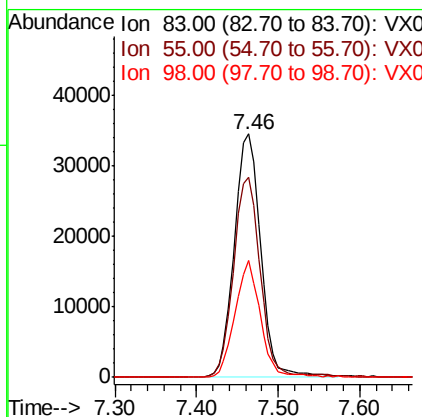
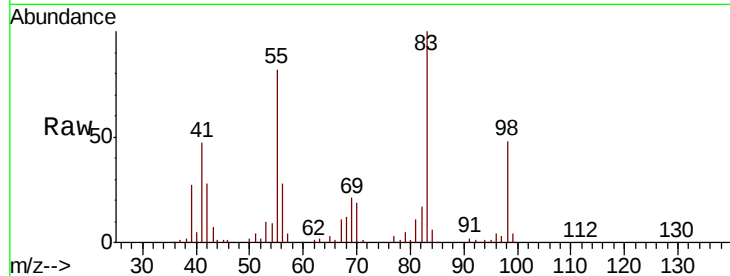
#39
Methvlcvclohexane
Concen: 19.843 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX004951.D
Acq: 03 Oct 2018 07:06

Instrument :
MSVOA_X
ClientSampleId :
VX1003MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.1	81.1	121.7
98	48.1	37.3	55.9

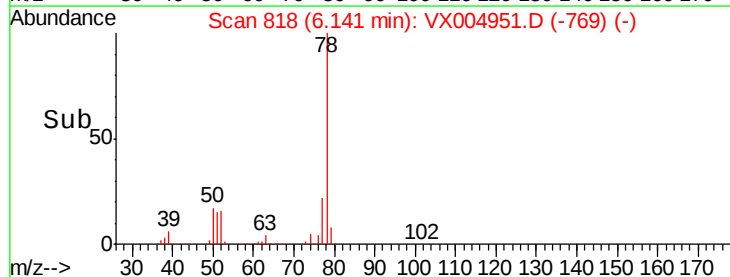
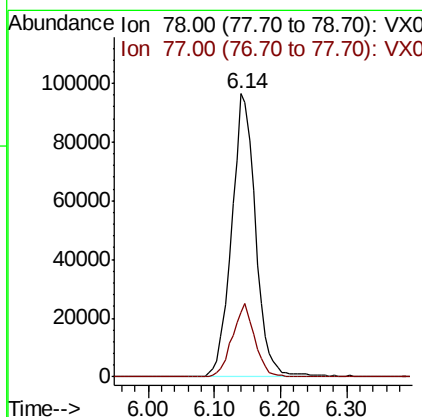
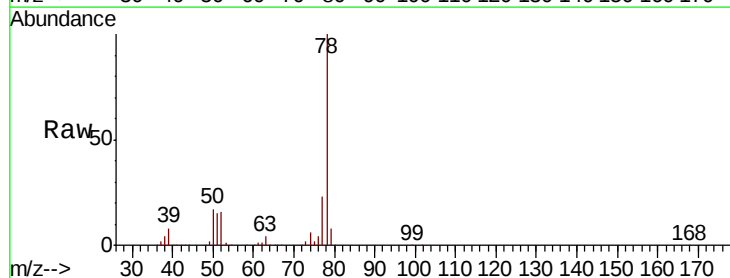
Manual Integrations
APPROVED

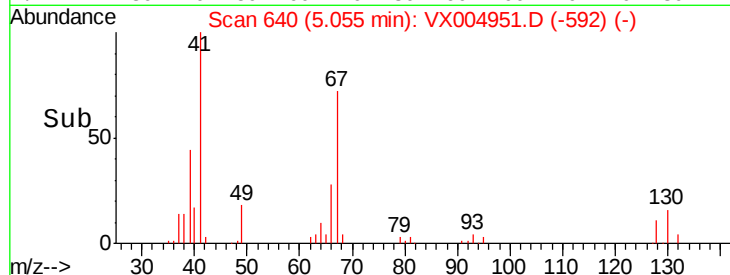
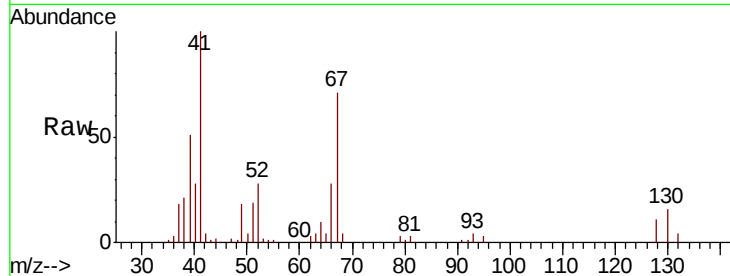
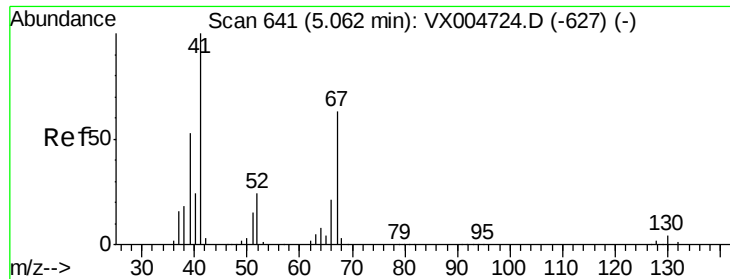
sam
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#40
Benzene
Concen: 20.153 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004951.D
Acq: 03 Oct 2018 07:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	21.0	31.4





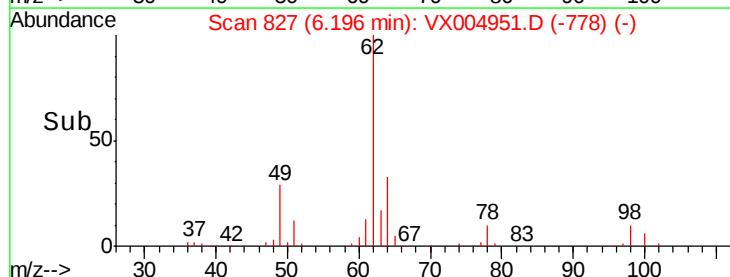
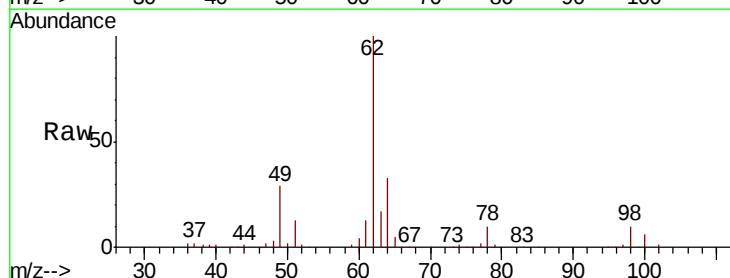
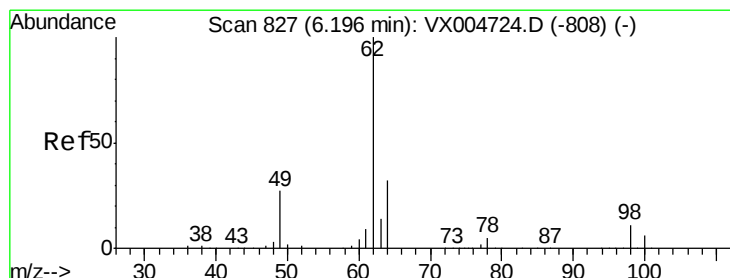
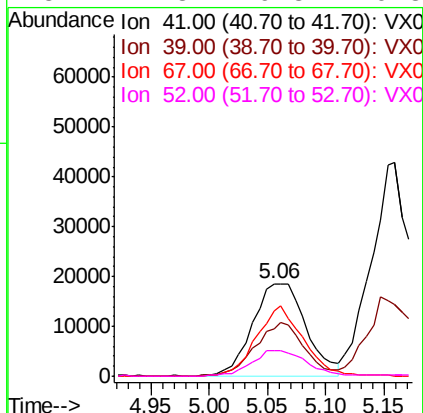
#41
Methacrylonitrile
Concen: 20.898 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX004951.D
Acq: 03 Oct 2018 07:06

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.7	42.5	63.7	
67	67.2	53.0	79.6	
52	27.8	19.8	29.8	

Instrument :
MSVOA_X
ClientSampleId :
VX1003MBS01

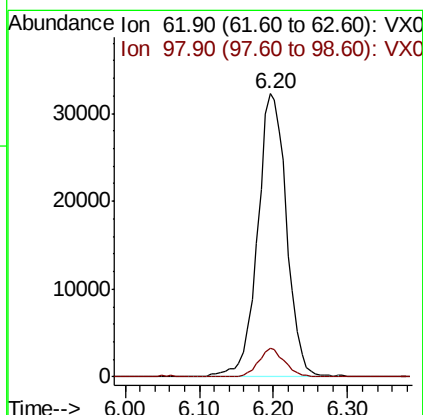
Manual Integrations
APPROVED

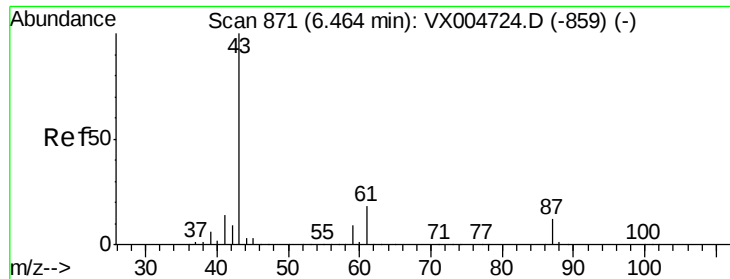
sam
10/3/2018 5:56:51 PM



#42
1,2-Dichloroethane
Concen: 20.747 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX004951.D
Acq: 03 Oct 2018 07:06

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





#43

Isopropyl Acetate

Concen: 20.266 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX004951.D

Acq: 03 Oct 2018 07:06

Instrument :

MSVOA_X

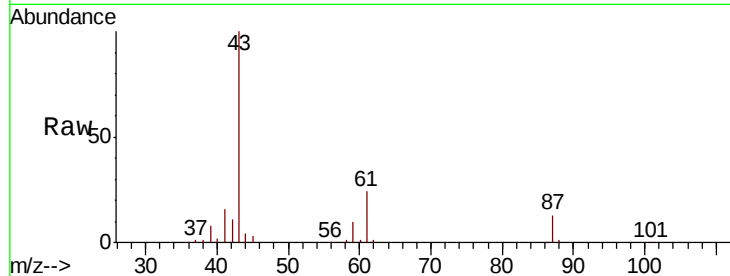
ClientSampled :

VX1003MBS01

Tot Ion:	43	Resp:	148505
Ion	Ratio	Lower	Upper
43	100		
61	20.2	14.2	21.4
87	13.0	9.3	13.9

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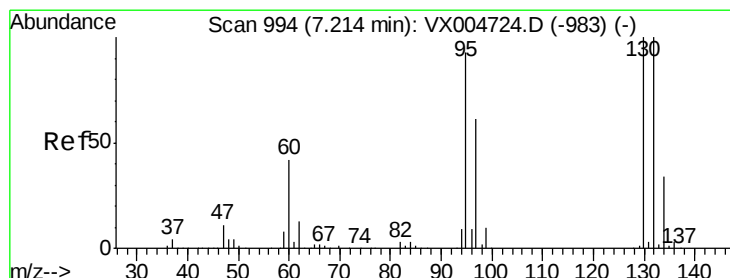
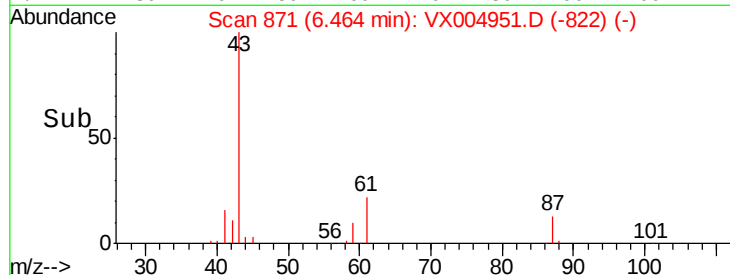
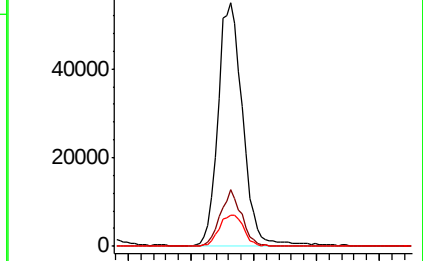
sam
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Abundance Ion 43.00 (42.70 to 43.70): VX004724.D (-859) (-)

Ion 61.00 (60.70 to 61.70): VX004724.D (-859) (-)

Ion 87.00 (86.70 to 87.70): VX004724.D (-859) (-)



#44

Trichloroethene

Concen: 20.141 ug/l

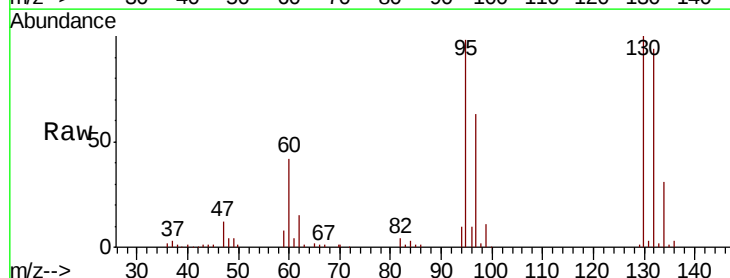
RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX004951.D

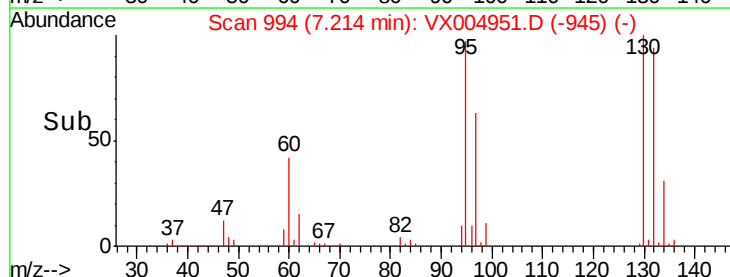
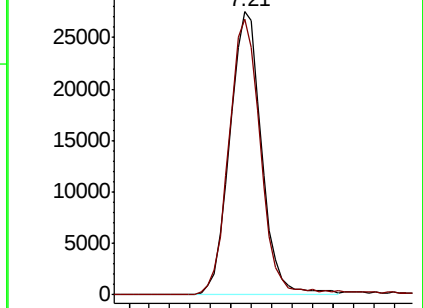
Acq: 03 Oct 2018 07:06

Tgt Ion:	130	Resp:	59287
Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	186.8



Abundance Ion 129.80 (129.50 to 130.50): VX004724.D (-983) (-)

Ion 94.90 (94.60 to 95.60): VX004724.D (-983) (-)





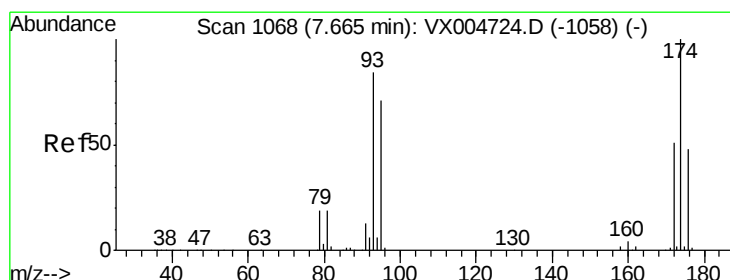
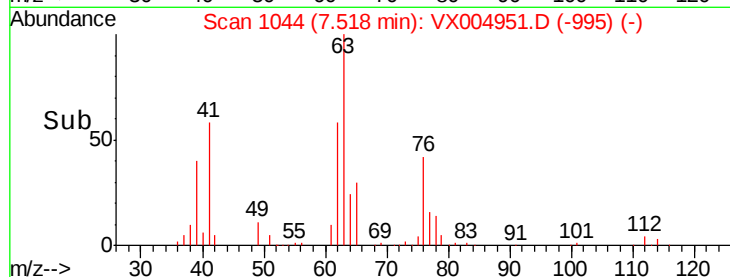
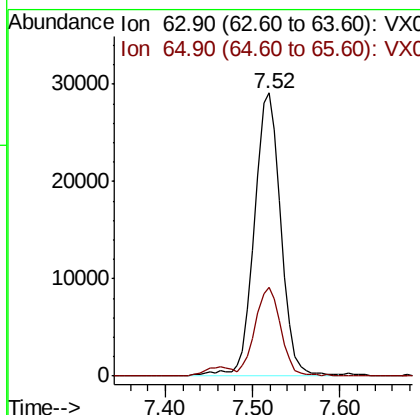
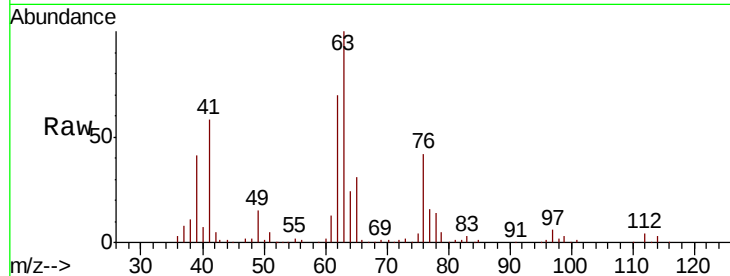
#45
 1,2-Dichloropropane
 Concen: 20.907 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX004951.D
 Acq: 03 Oct 2018 07:06

Instrument :
 MSVOA_X
 ClientSampled :
 VX1003MBS01

Tot Ion: 63 Resp: 61392
 Ion Ratio Lower Upper
 63 100
 65 31.5 23.9 35.9

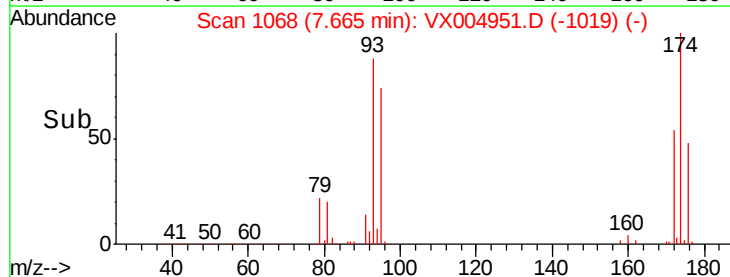
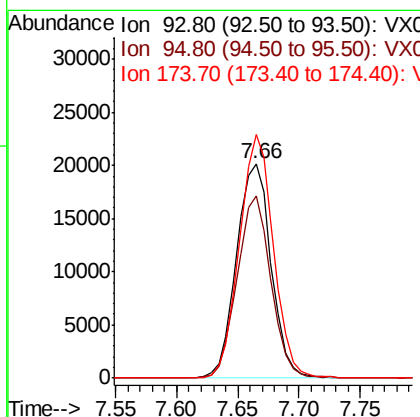
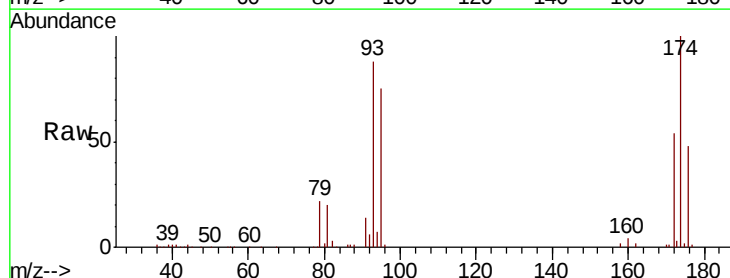
Manual Integrations
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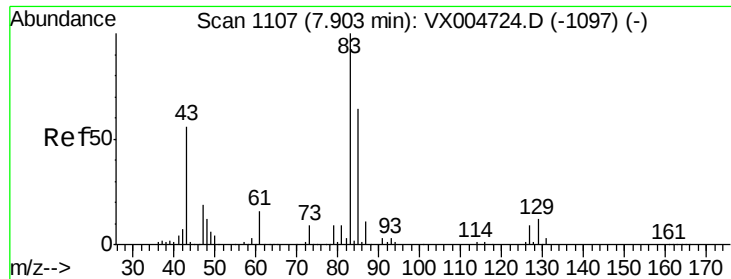
sam
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#46
 Dibromomethane
 Concen: 21.404 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX004951.D
 Acq: 03 Oct 2018 07:06

Tgt Ion: 93 Resp: 39499
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.7 100.1
 174 112.0 92.7 139.1





#47

Bromodichloromethane

Concen: 21.424 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VX004951.D

Acq: 03 Oct 2018 07:06

Instrument :

MSVOA_X

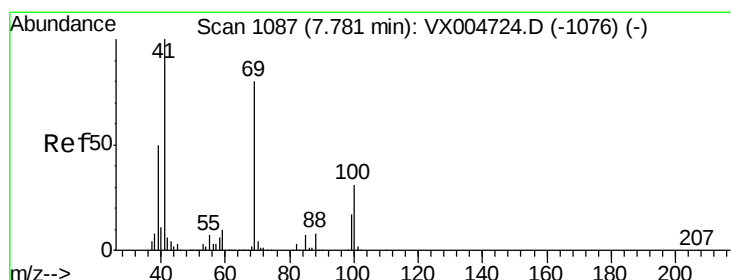
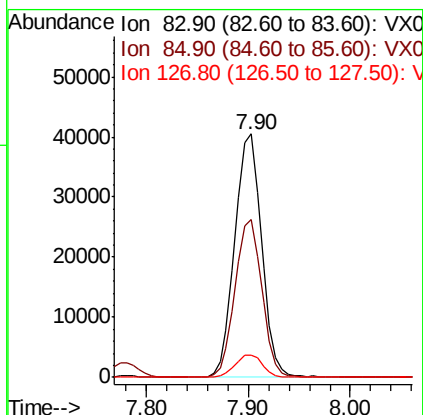
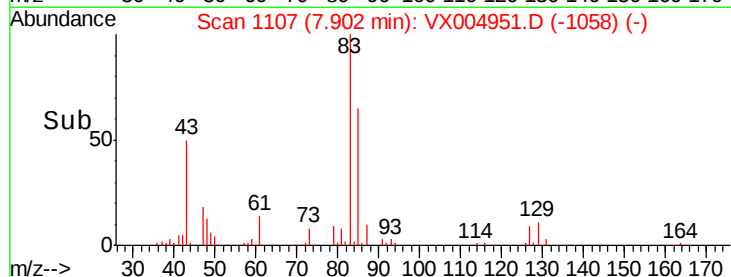
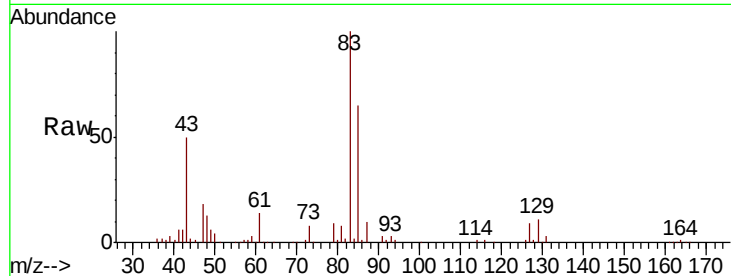
ClientSampleId :

VX1003MBS01

Tot Ion:	83	Resp:	74025
Ion Ratio	Lower	Upper	
83	100		
85	65.0	51.2	76.8
127	9.2	7.0	10.6

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#48

Methyl methacrylate

Concen: 22.176 ug/l

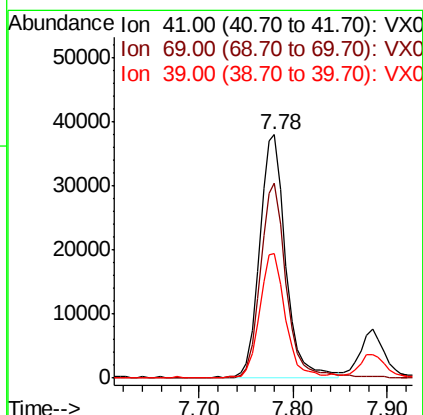
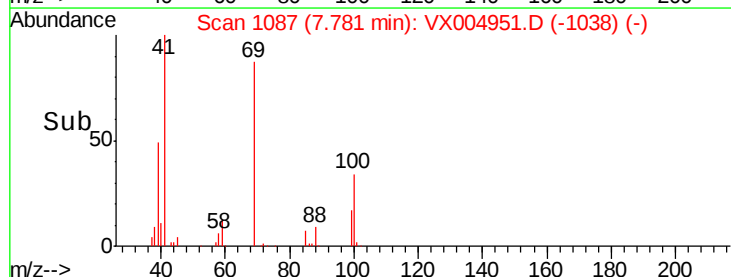
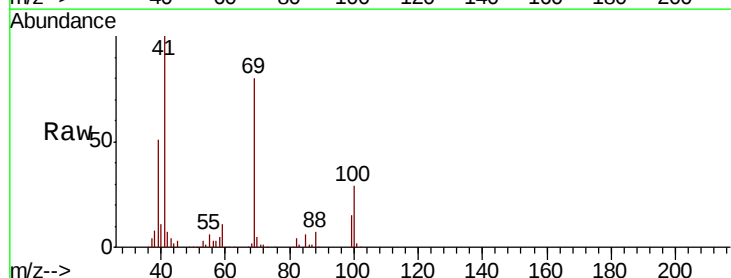
RT: 7.78 min Scan# 1087

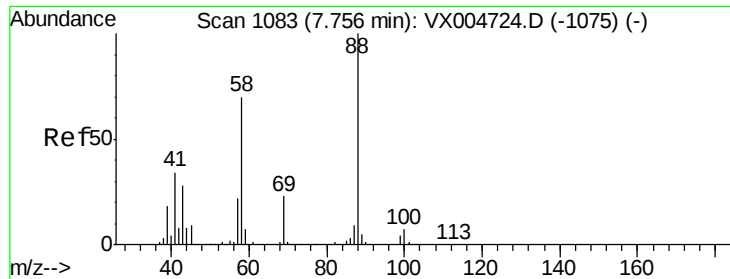
Delta R.T. -0.00 min

Lab File: VX004951.D

Acq: 03 Oct 2018 07:06

Tgt Ion:	41	Resp:	73758
Ion Ratio	Lower	Upper	
41	100		
69	80.4	63.8	95.6
39	51.1	40.7	61.1





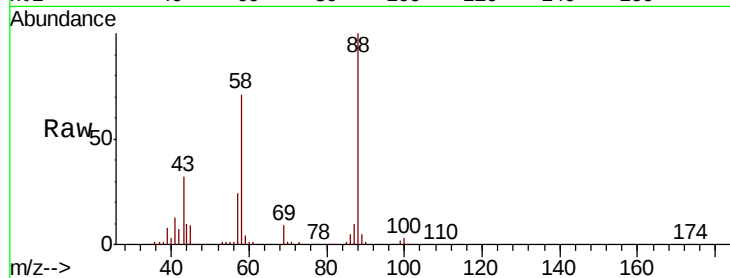
#49
1,4-Dioxane
Concen: 422.538 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX004951.D
Acq: 03 Oct 2018 07:06

Instrument :
MSVOA_X
ClientSampleId :
VX1003MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.7	25.1	37.7
58	73.9	56.2	84.2

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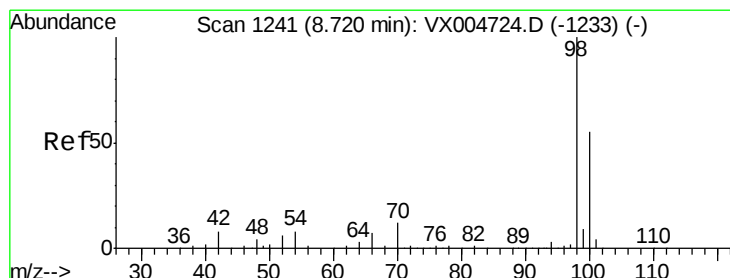
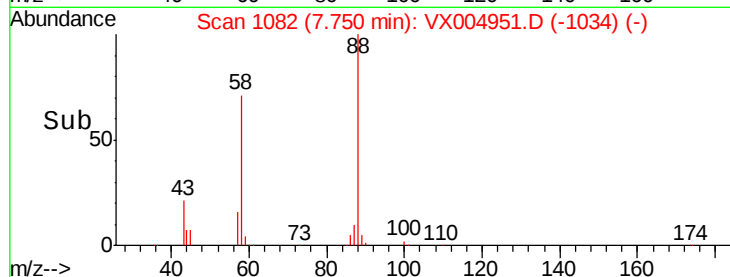
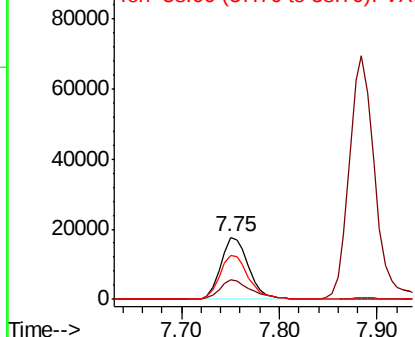


Abundance

Ion 88.00 (87.70 to 88.70): VX0

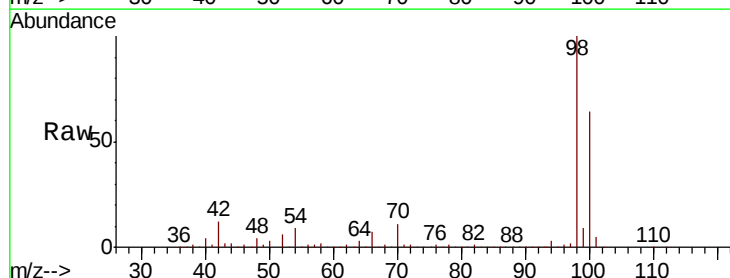
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 53.000 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX004951.D
Acq: 03 Oct 2018 07:06

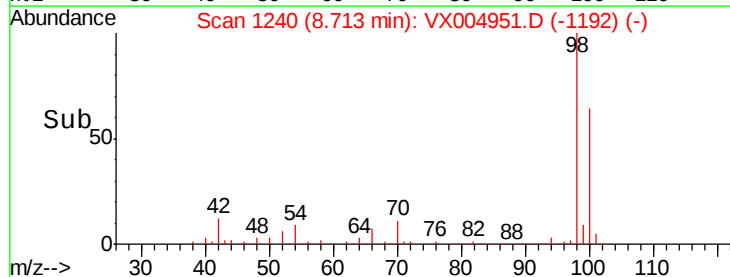
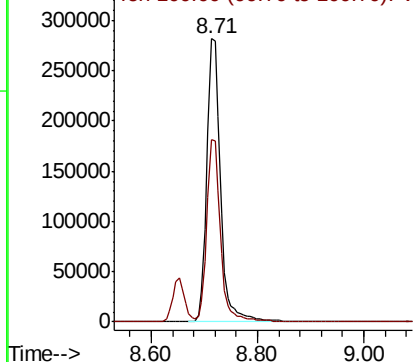
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.9	77.9

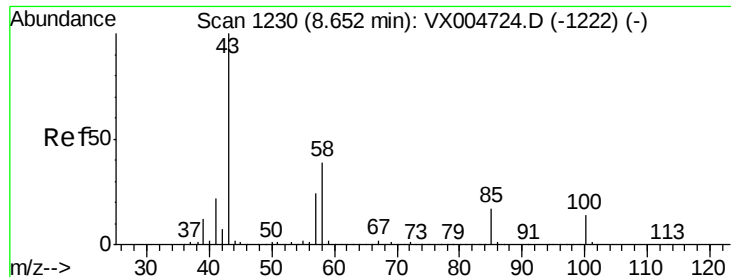


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





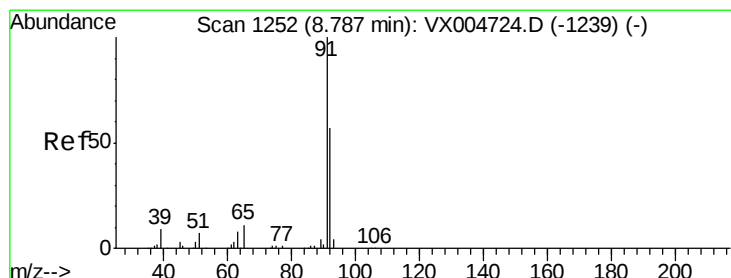
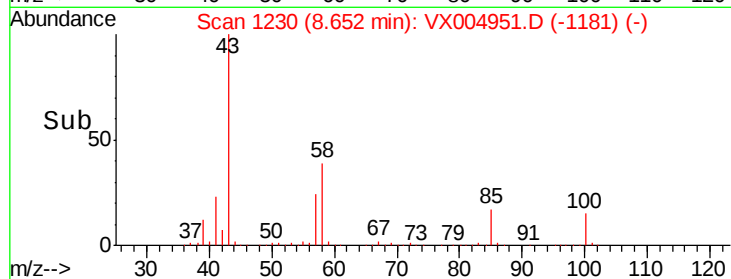
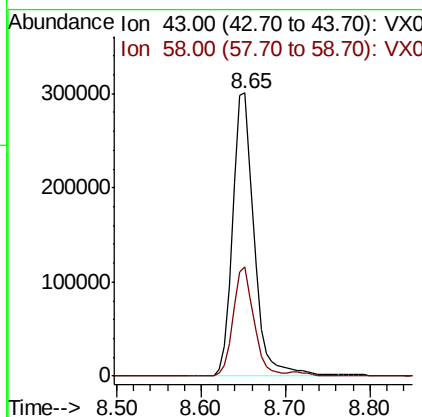
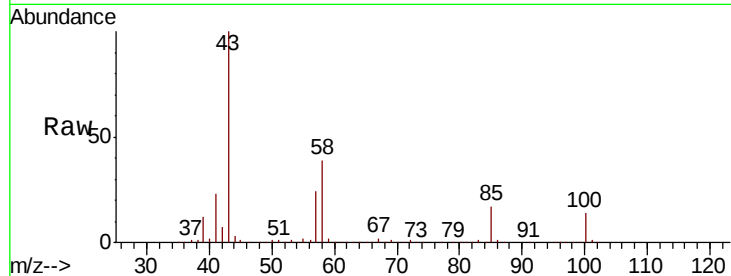
#51
4-Methyl-2-Pentanone
Concen: 112.970 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VX004951.D
Acq: 03 Oct 2018 07:06

Instrument :
MSVOA_X
ClientSampleId :
VX1003MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.8	30.5	45.7

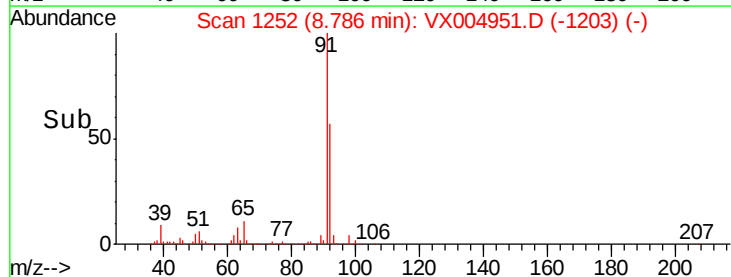
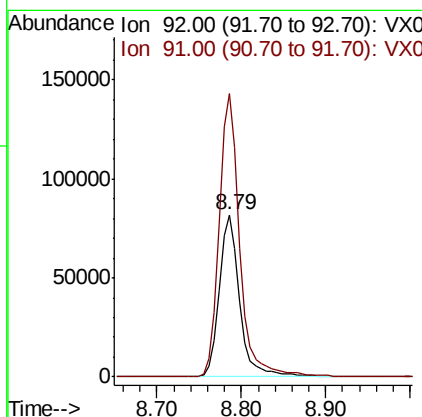
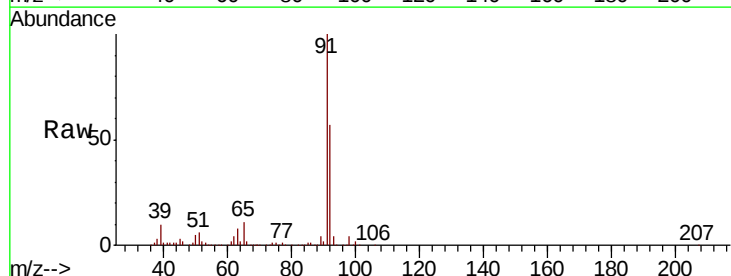
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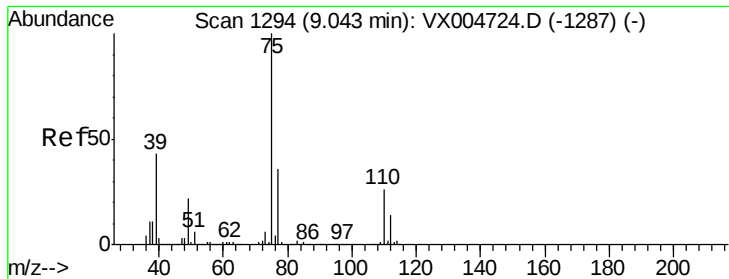
sam
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#52
Toluene
Concen: 20.889 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX004951.D
Acq: 03 Oct 2018 07:06

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.3	136.7	205.1





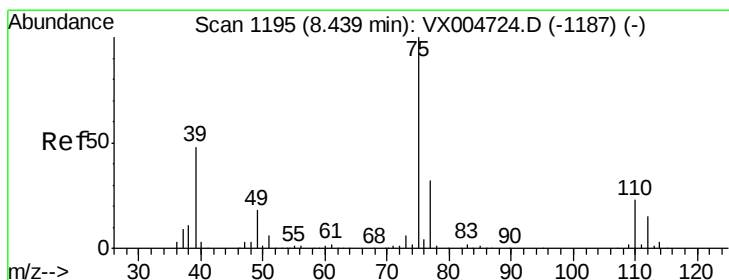
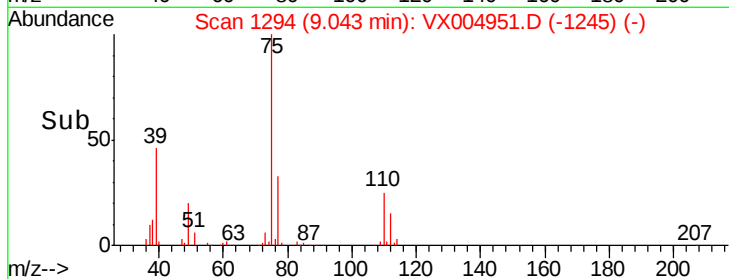
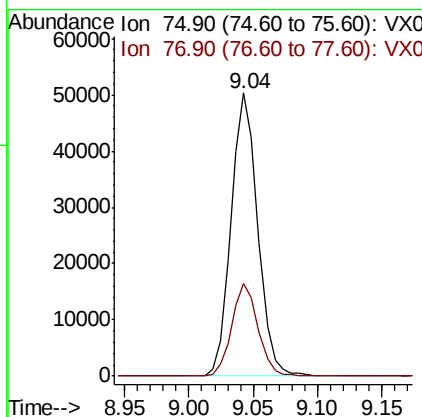
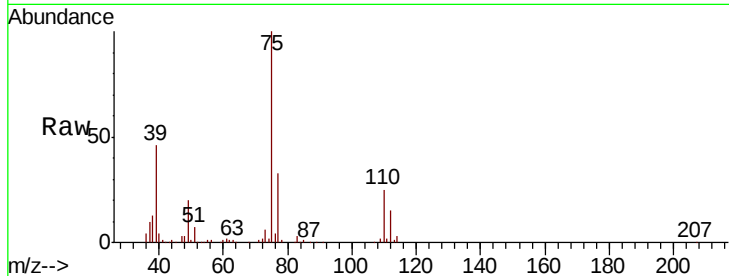
#53
t-1,3-Dichloropropene
Concen: 18.679 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX004951.D
Acq: 03 Oct 2018 07:06

Instrument :
MSVOA_X
ClientSampleId :
VX1003MBS01

Tot Ion: 75 Resp: 72930
Ion Ratio Lower Upper
75 100
77 32.6 28.9 43.3

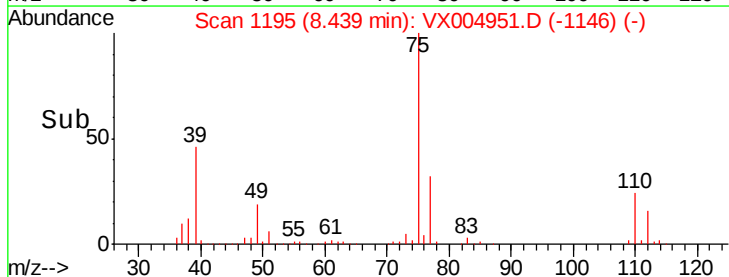
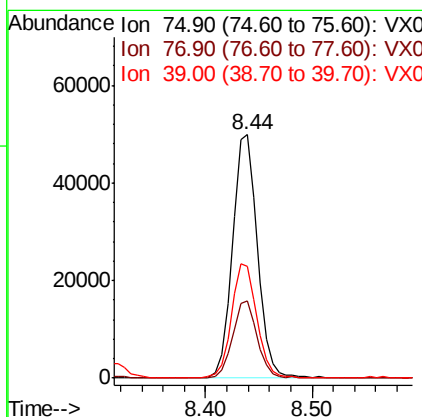
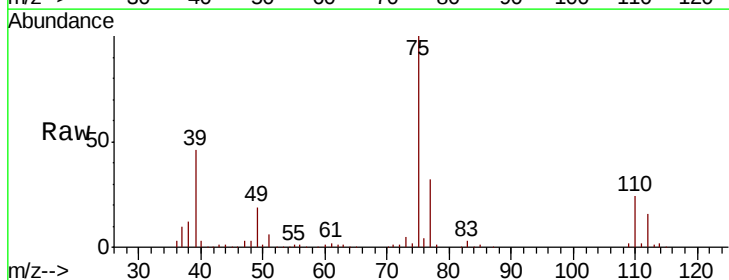
Manual Integrations
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#54
cis-1,3-Dichloropropene
Concen: 20.078 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX004951.D
Acq: 03 Oct 2018 07:06

Tgt Ion: 75 Resp: 82111
Ion Ratio Lower Upper
75 100
77 31.7 25.7 38.5
39 45.7 38.3 57.5





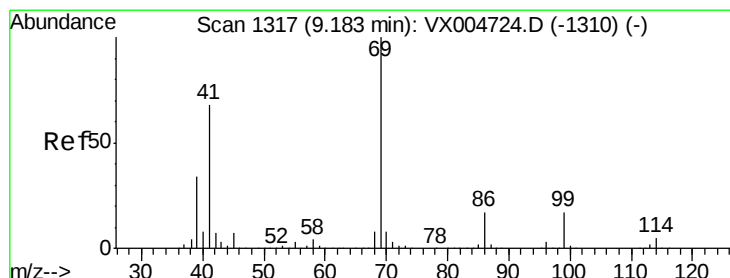
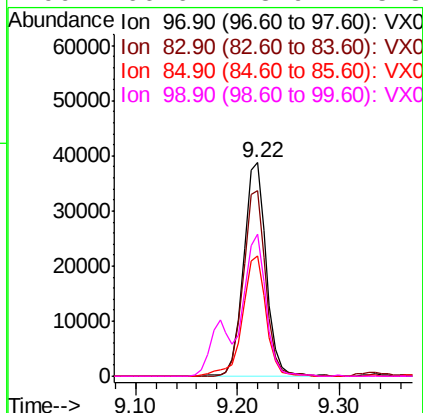
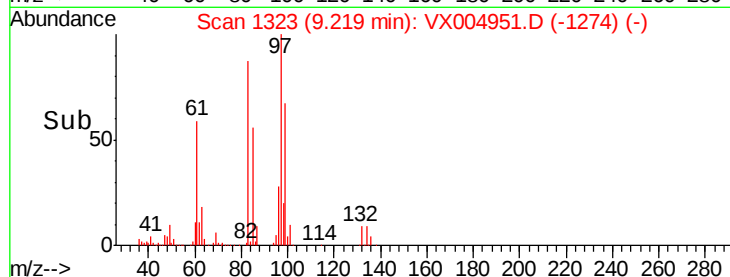
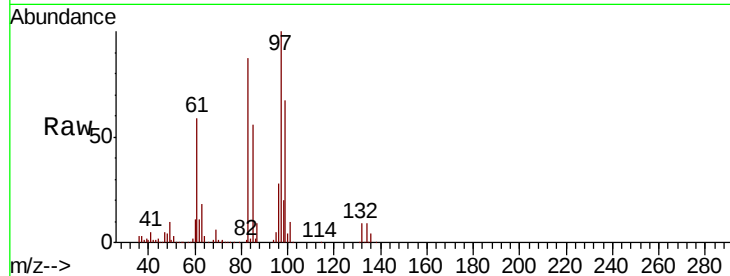
#55
 1,1,2-Trichloroethane
 Concen: 20.568 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX004951.D
 Acq: 03 Oct 2018 07:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1003MBS01

Tot Ion:	97	Resp:	59279
Ion	Ratio	Lower	Upper
97	100		
83	86.9	68.2	102.2
85	56.1	49.9	74.9
99	66.6	48.9	73.3

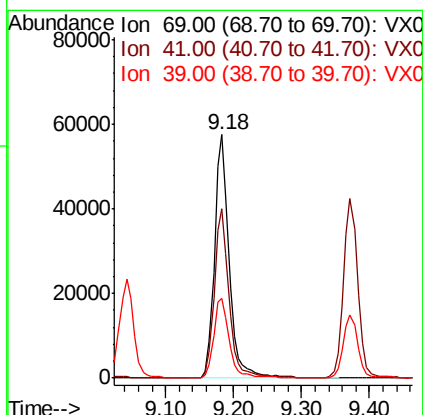
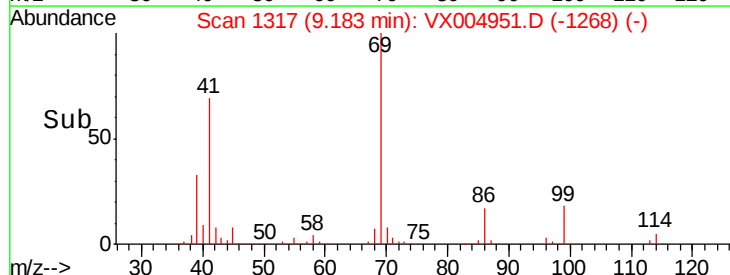
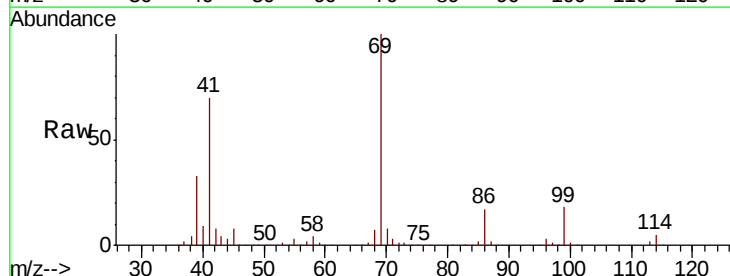
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 20.334 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX004951.D
 Acq: 03 Oct 2018 07:06

Tgt Ion:	69	Resp:	86677
Ion	Ratio	Lower	Upper
69	100		
41	68.9	56.9	85.3
39	34.5	28.4	42.6





#57

1,3-Dichloropropane

Concen: 20.540 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX004951.D

Acq: 03 Oct 2018 07:06

Instrument :

MSVOA_X

ClientSampleId :

VX1003MBS01

Tot Ion: 76 Resp: 98525

Ion Ratio Lower Upper

76 100

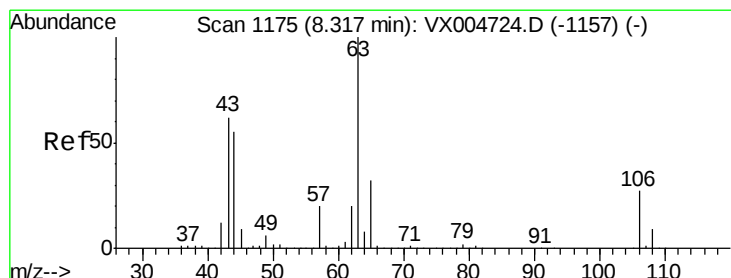
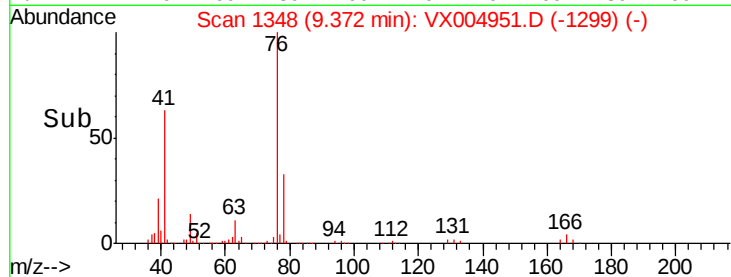
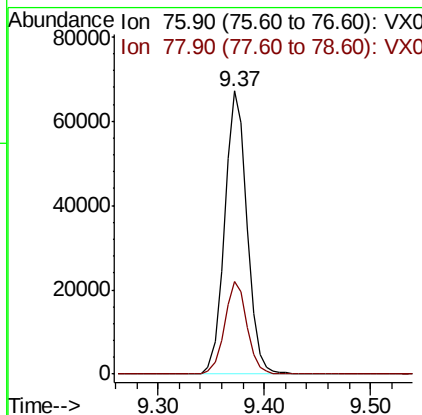
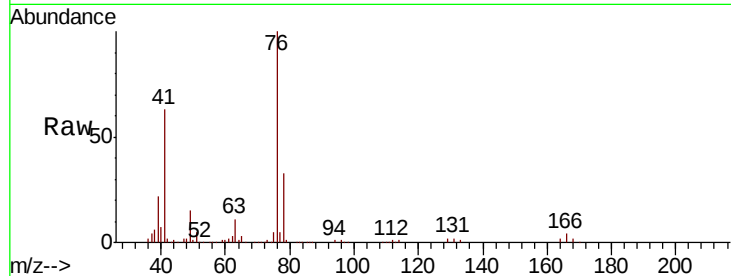
78 32.8 26.6 40.0

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#58

2-Chloroethyl Vinyl ether

Concen: 106.051 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VX004951.D

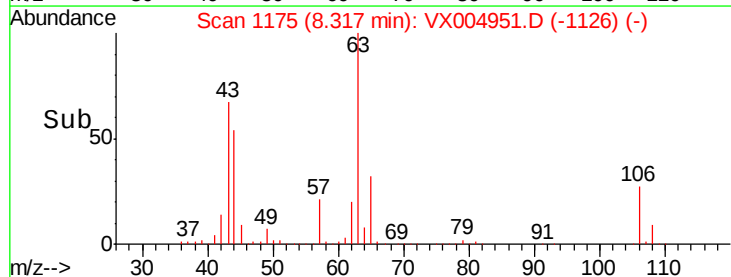
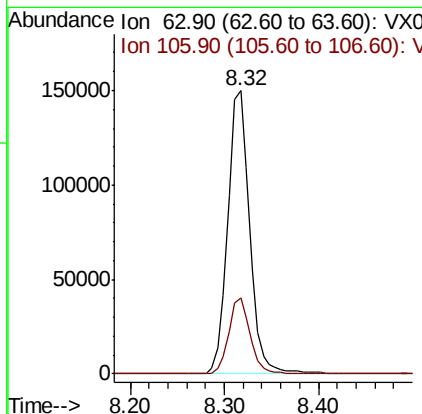
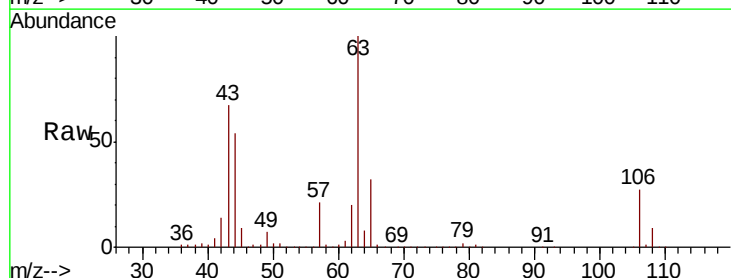
Acq: 03 Oct 2018 07:06

Tgt Ion: 63 Resp: 241764

Ion Ratio Lower Upper

63 100

106 26.5 21.0 31.6





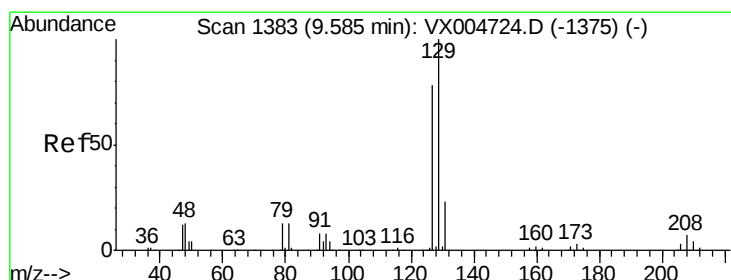
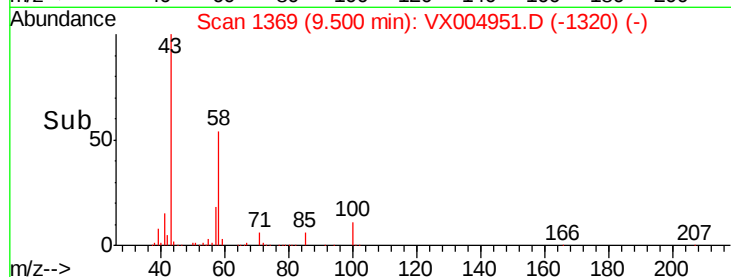
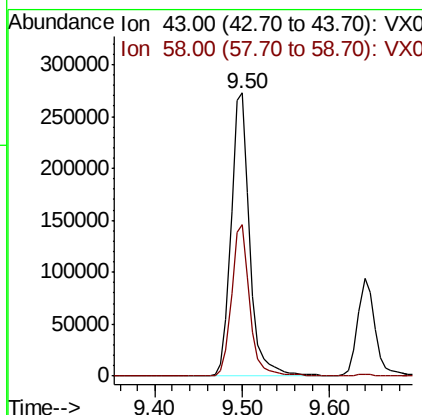
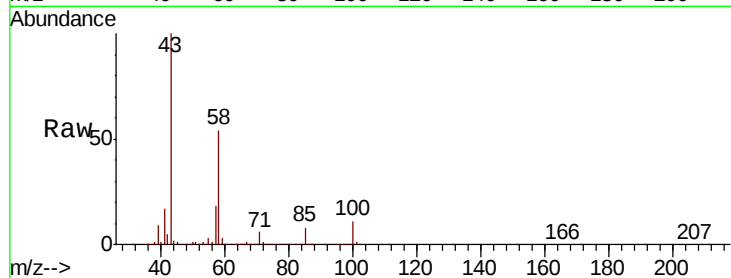
#59
2-Hexanone
Concen: 105.518 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX004951.D
Acq: 03 Oct 2018 07:06

Instrument :
MSVOA_X
ClientSampleId :
VX1003MBS01

Tot Ion: 43 Resp: 405707
Ion Ratio Lower Upper
43 100
58 52.7 28.4 85.3

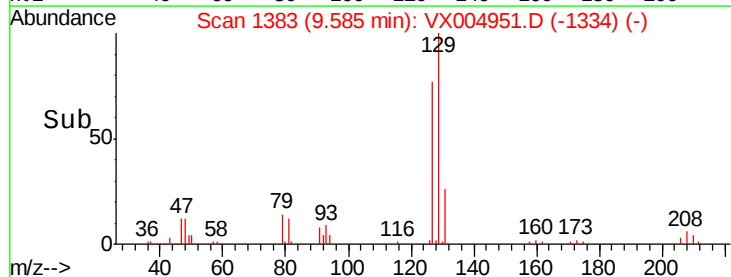
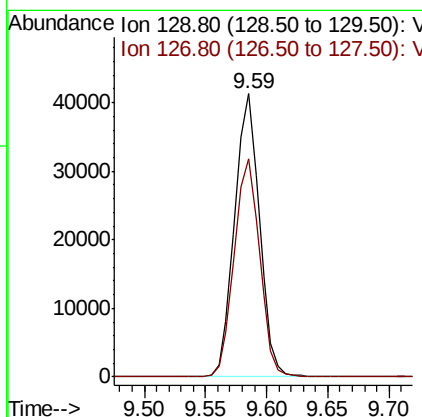
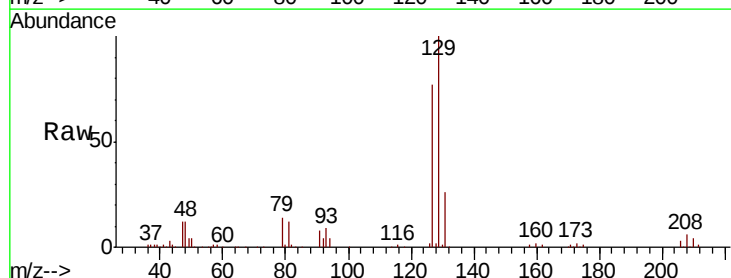
Manual Integrations
APPROVED

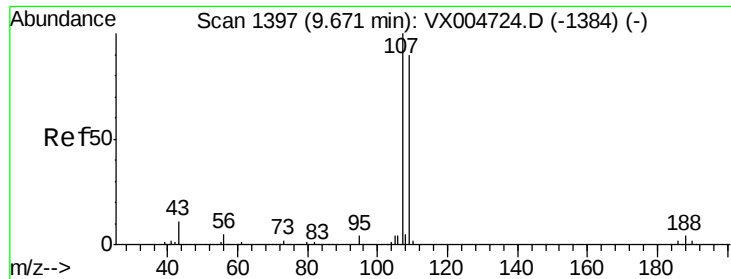
sam
10/3/2018 5:56:51 PM



#60
Dibromochloromethane
Concen: 20.213 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004951.D
Acq: 03 Oct 2018 07:06

Tgt Ion: 129 Resp: 58261
Ion Ratio Lower Upper
129 100
127 78.5 39.1 117.2





#61

1,2-Dibromoethane

Concen: 19.751 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX004951.D

Acq: 03 Oct 2018 07:06

Instrument :

MSVOA_X

ClientSampleId :

VX1003MBS01

Tot Ion:107 Resp: 60963

Ion Ratio Lower Upper

107 100

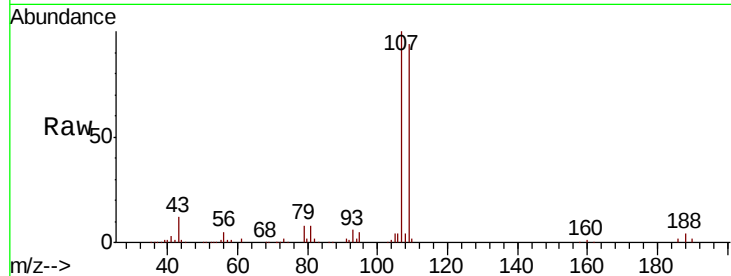
109 94.0 72.1 108.1

Manual Integrations

APPROVED

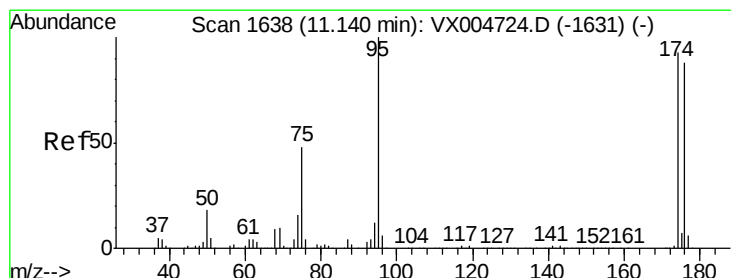
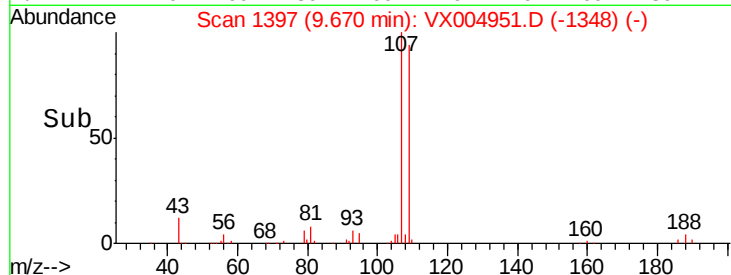
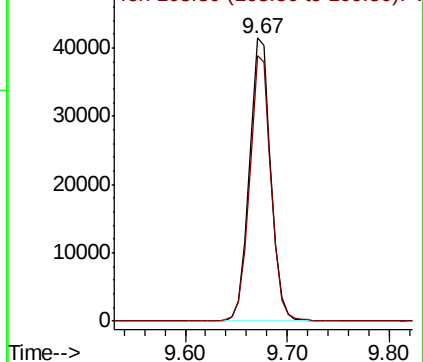
sam

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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: 52.682 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004951.D

Acq: 03 Oct 2018 07:06

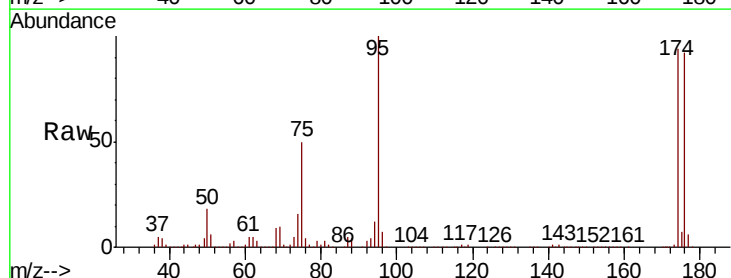
Tgt Ion: 95 Resp: 176879

Ion Ratio Lower Upper

95 100

174 91.0 0.0 185.0

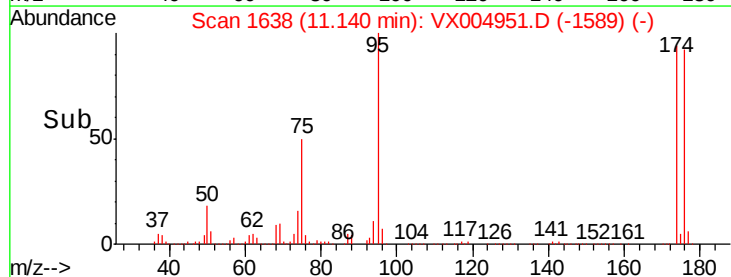
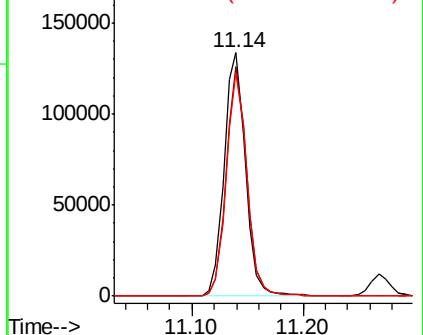
176 89.2 0.0 180.2

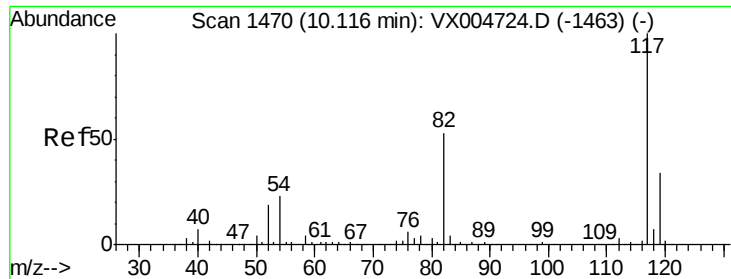


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





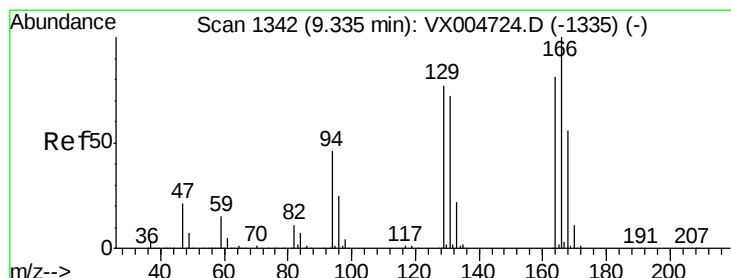
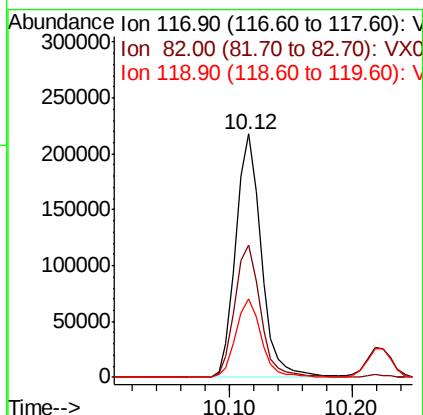
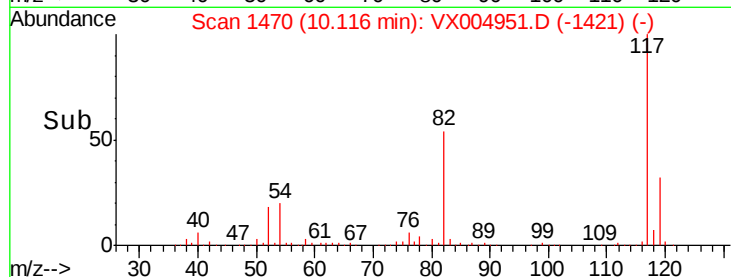
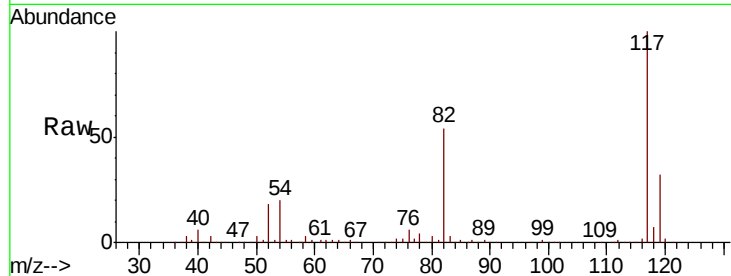
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004951.D
Acq: 03 Oct 2018 07:06

Instrument :
MSVOA_X
ClientSampleId :
VX1003MBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	314512		
82	54.1	42.2	63.4	
119	32.2	27.4	41.0	

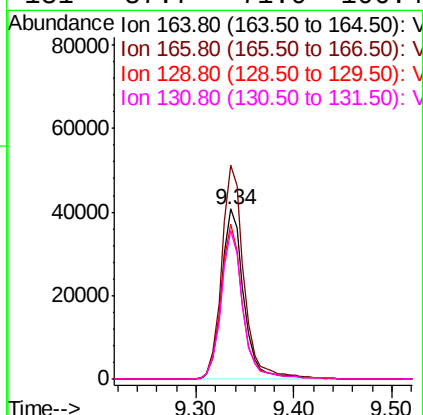
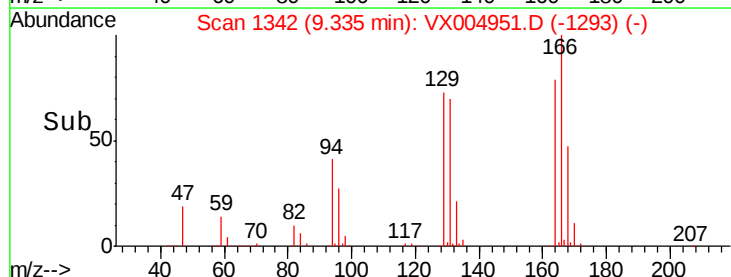
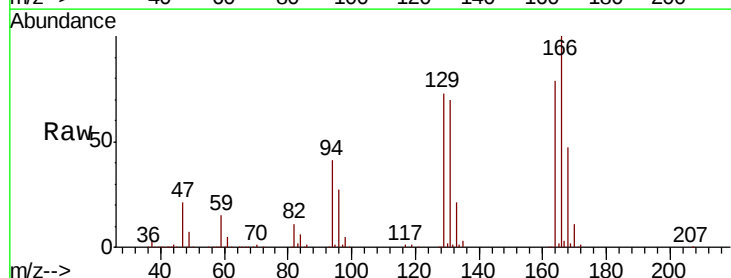
Manual Integrations
APPROVED

sam
10/3/2018 5:56:51 PM



#64
Tetrachloroethene
Concen: 20.820 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004951.D
Acq: 03 Oct 2018 07:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	64447		
166	125.8	98.4	147.6	
129	91.4	76.1	114.1	
131	87.7	71.0	106.4	





#65

Chlorobenzene

Concen: 19.284 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX004951.D

Acq: 03 Oct 2018 07:06

Instrument :

MSVOA_X

ClientSampled :

VX1003MBS01

Tot Ion:112 Resp: 155525

Ion Ratio Lower Upper

112 100

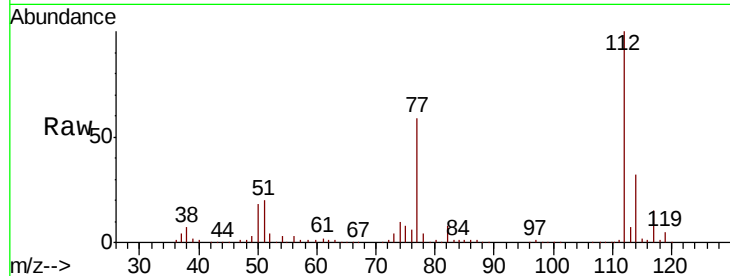
114 32.2 26.7 40.1

Manual Integrations

APPROVED

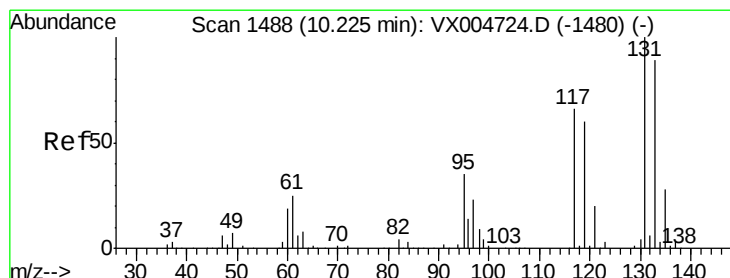
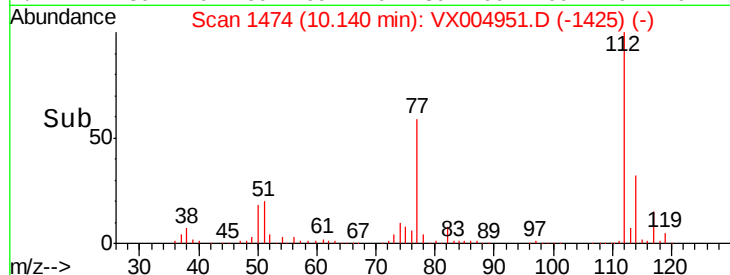
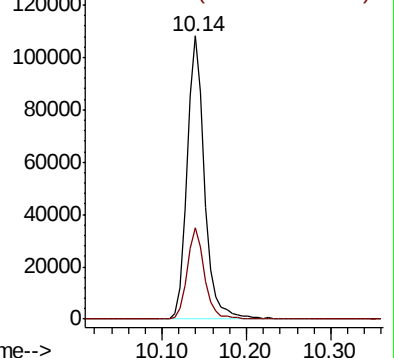
sam

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.682 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VX004951.D

Acq: 03 Oct 2018 07:06

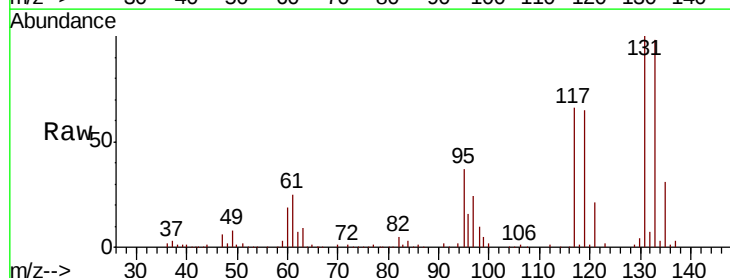
Tgt Ion:131 Resp: 55804

Ion Ratio Lower Upper

131 100

133 96.7 48.4 145.0

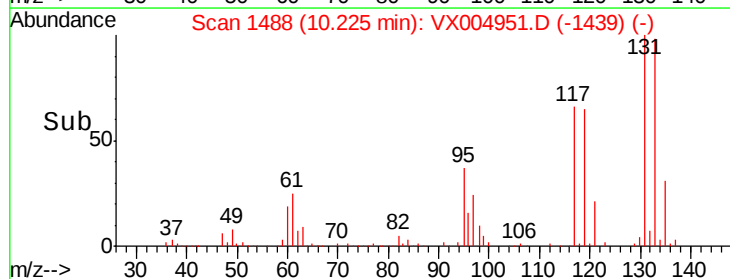
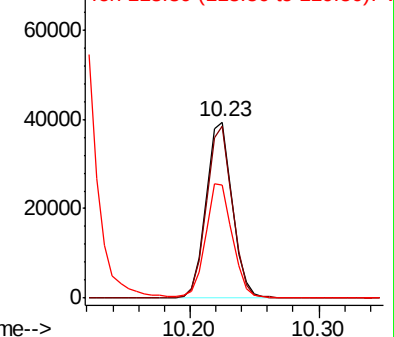
119 66.8 32.3 96.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.876 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VX004951.D

Acq: 03 Oct 2018 07:06

Instrument :

MSVOA_X

ClientSampled :

VX1003MBS01

Tot Ion: 91 Resp: 254499

Ion Ratio Lower Upper

91 100

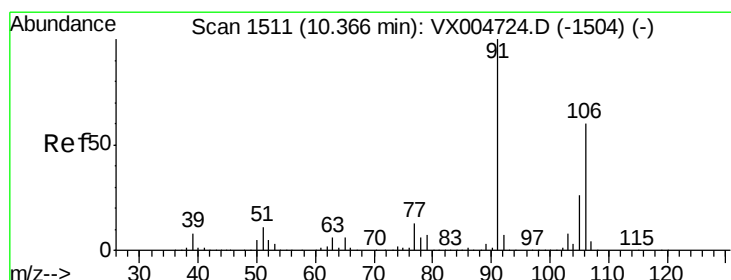
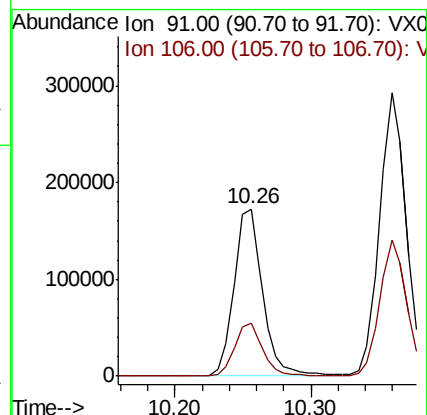
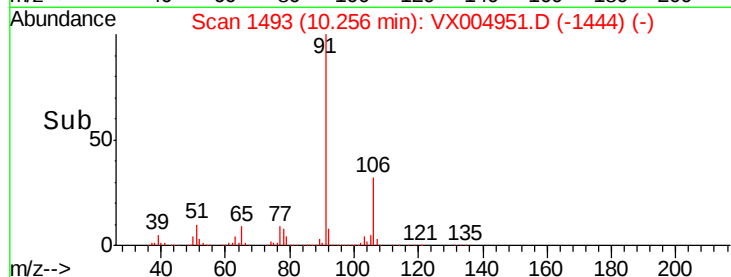
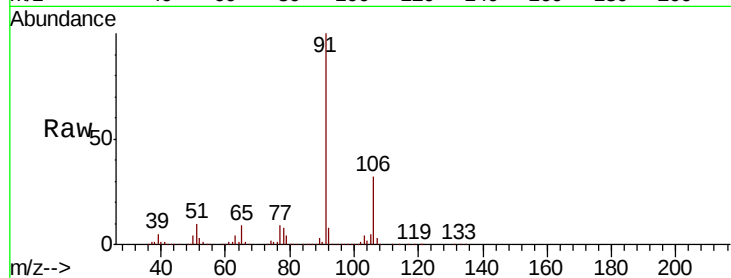
106 31.5 26.9 40.3

Manual Integrations

APPROVED

sam

10/3/2018 5:56:51 PM



#68

m/p-Xylenes

Concen: 39.864 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VX004951.D

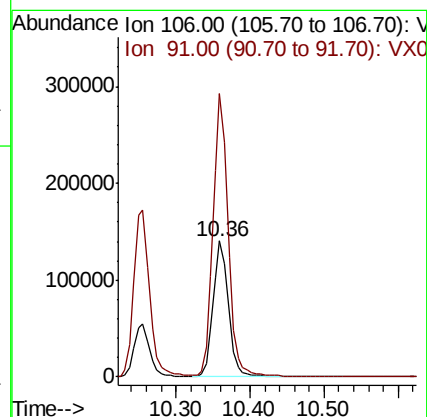
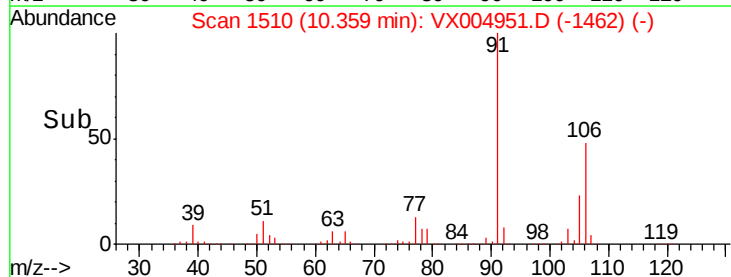
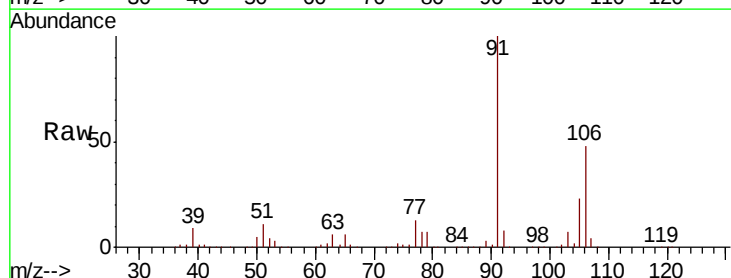
Acq: 03 Oct 2018 07:06

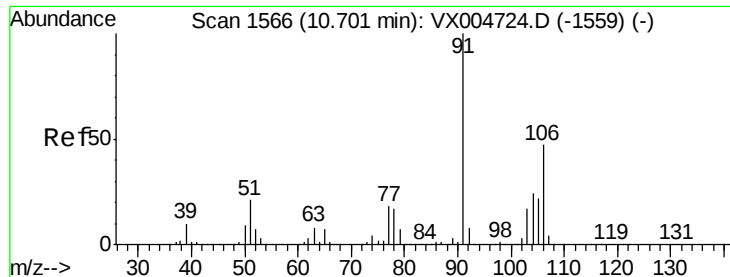
Tgt Ion: 106 Resp: 199459

Ion Ratio Lower Upper

106 100

91 204.9 157.5 236.3





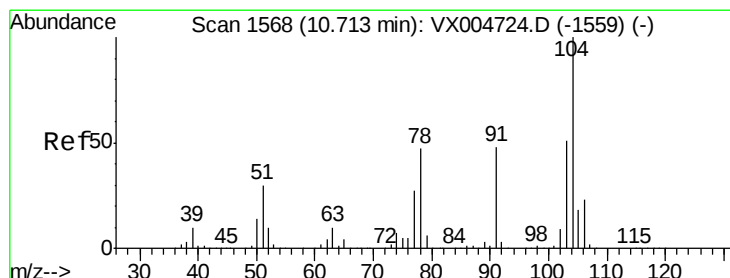
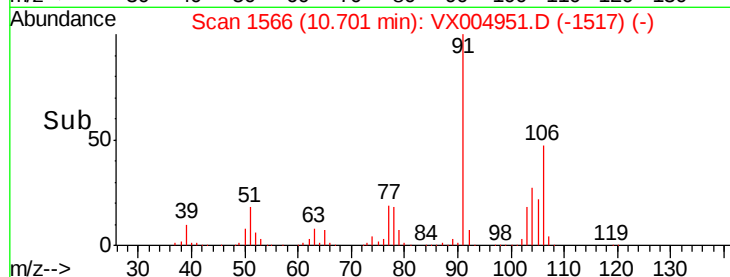
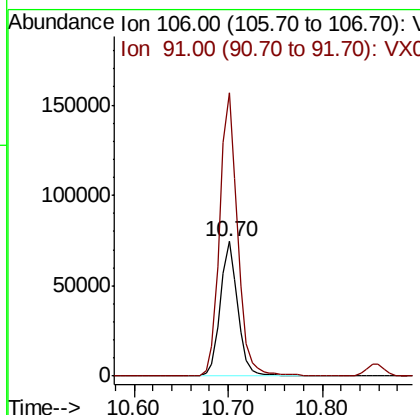
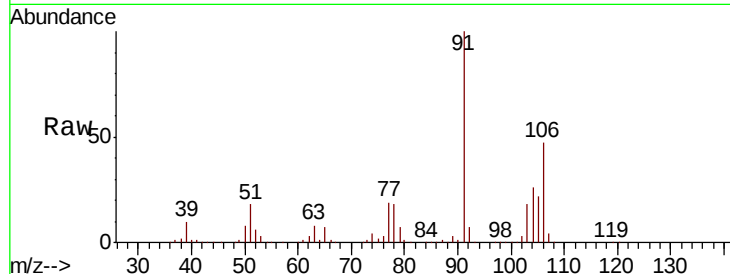
#69
o-Xylene
Concen: 20.987 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004951.D
Acq: 03 Oct 2018 07:06

Instrument :
MSVOA_X
ClientSampled :
VX1003MBS01

Tot Ion:106 Resp: 96450
Ion Ratio Lower Upper
106 100
91 214.4 108.3 324.8

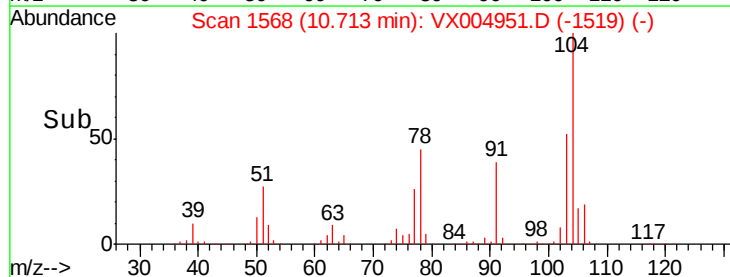
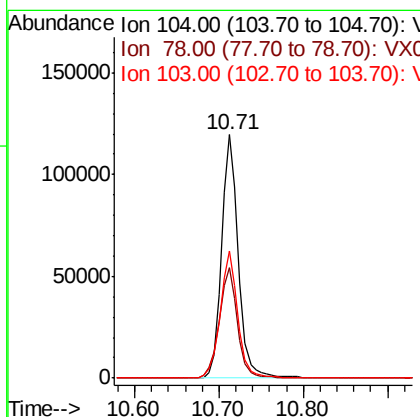
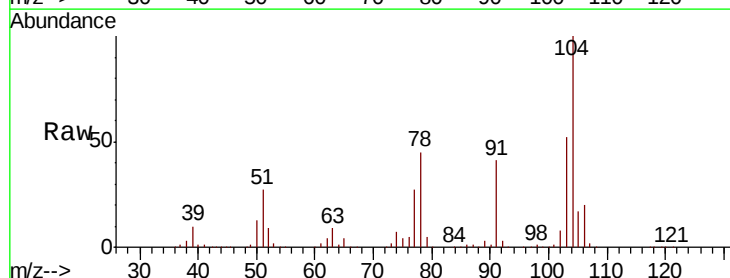
Manual Integrations
APPROVED

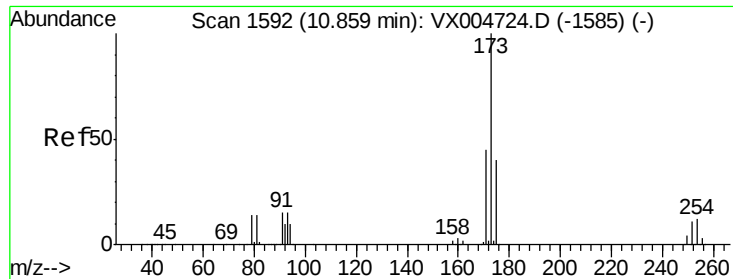
sam
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#70
Styrene
Concen: 20.327 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004951.D
Acq: 03 Oct 2018 07:06

Tgt Ion:104 Resp: 163313
Ion Ratio Lower Upper
104 100
78 49.8 40.0 60.0
103 55.3 44.3 66.5





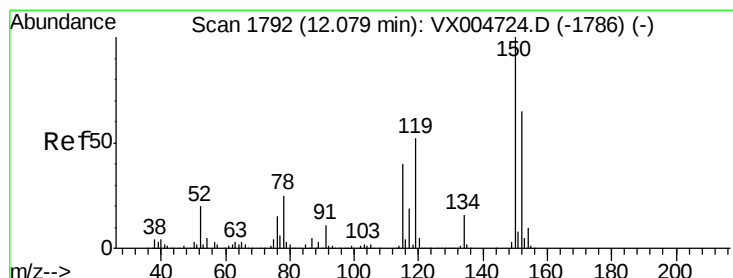
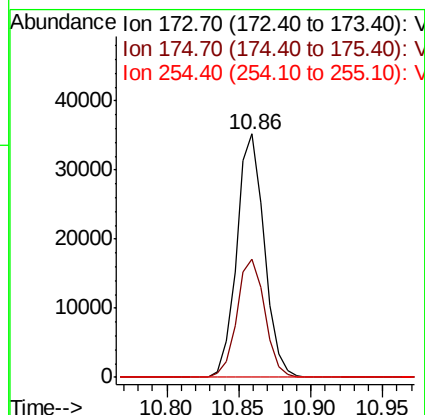
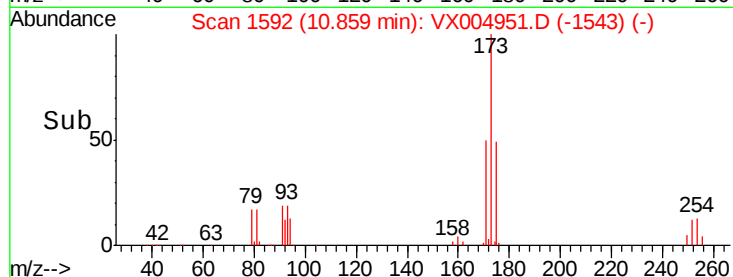
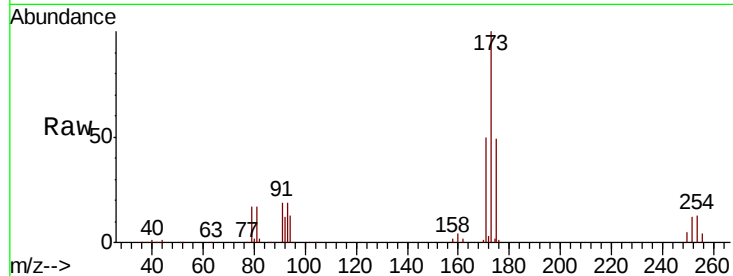
#71
Bromoform
Concen: 19.375 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX004951.D
Acq: 03 Oct 2018 07:06

Instrument :
MSVOA_X
ClientSampleId :
VX1003MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	23.3	69.8
254	0.0	0.2	0.2

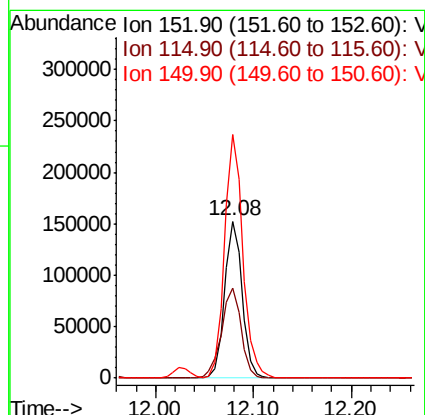
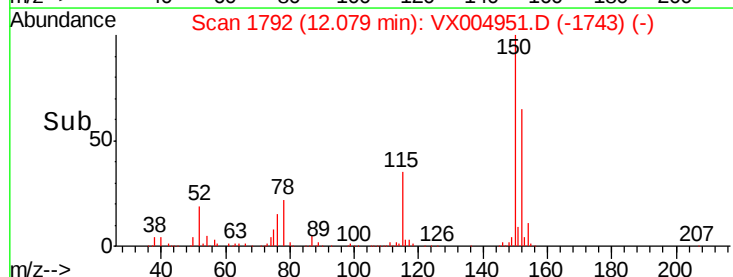
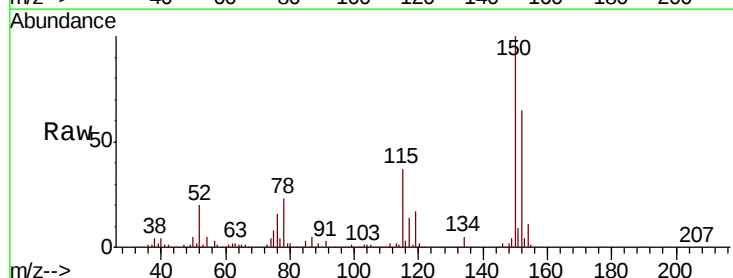
Manual Integrations
APPROVED

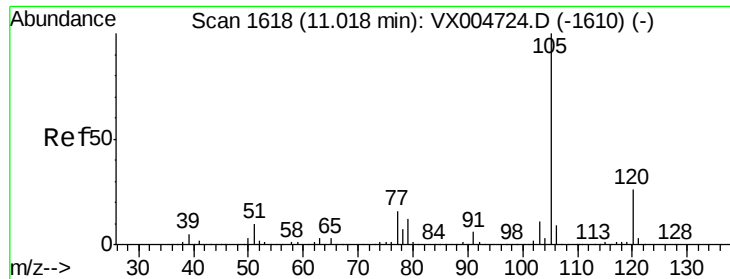
sam
10/3/2018 5:56:51 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004951.D
Acq: 03 Oct 2018 07:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.0	40.2	120.6
150	163.0	0.0	351.0





#73

Isopropylbenzene

Concen: 21.678 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004951.D

Acq: 03 Oct 2018 07:06

Instrument :

MSVOA_X

ClientSampleId :

VX1003MBS01

Tot Ion: 105 Resp: 257520

Ion Ratio Lower Upper

105 100

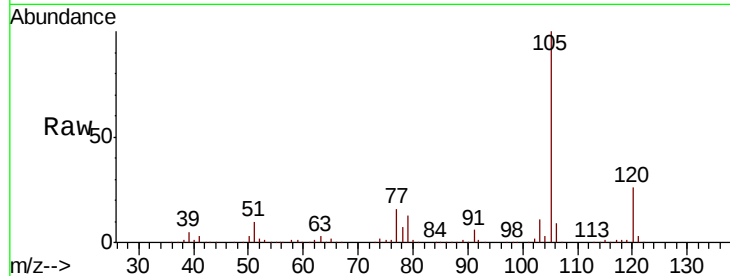
120 26.2 13.2 39.5

Manual Integrations

APPROVED

sam

10/3/2018 5:56:51 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

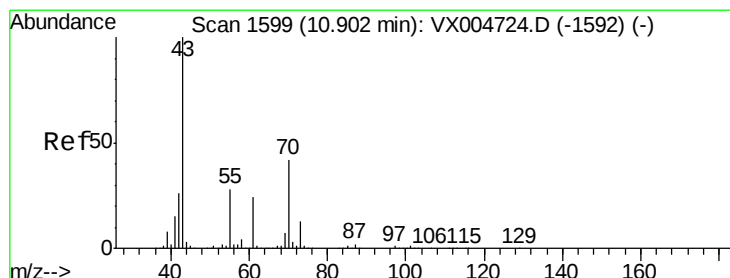
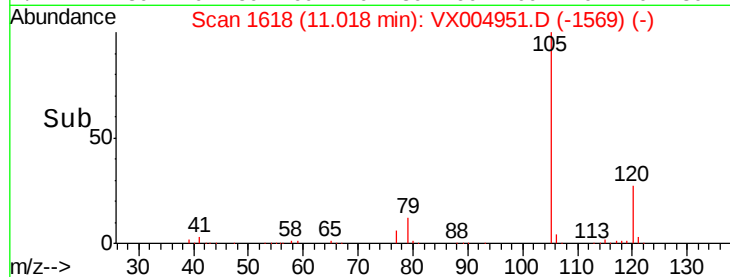
50000

0

11.02

11.10

Time-->



#74

N-ethyl acetate

Concen: 19.846 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX004951.D

Acq: 03 Oct 2018 07:06

Tgt Ion: 43 Resp: 122450

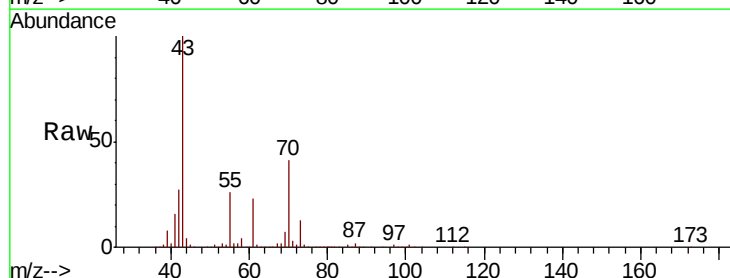
Ion Ratio Lower Upper

43 100

70 40.5 32.6 48.8

55 26.5 21.6 32.4

61 23.5 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

150000

100000

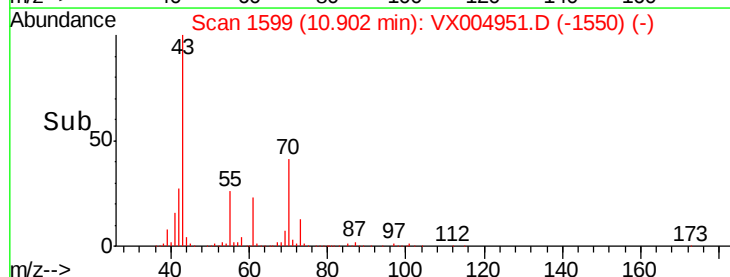
50000

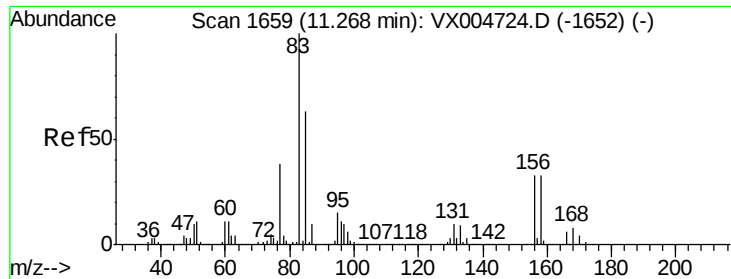
0

10.90

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.386 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004951.D

Acq: 03 Oct 2018 07:06

Instrument :

MSVOA_X

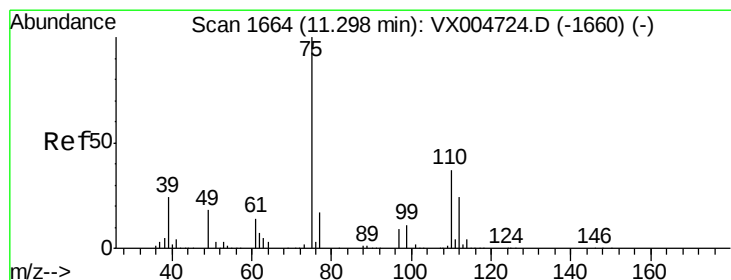
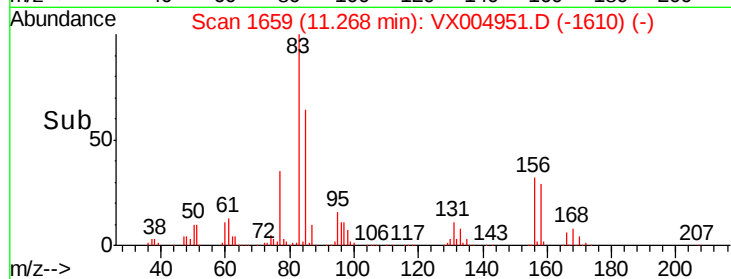
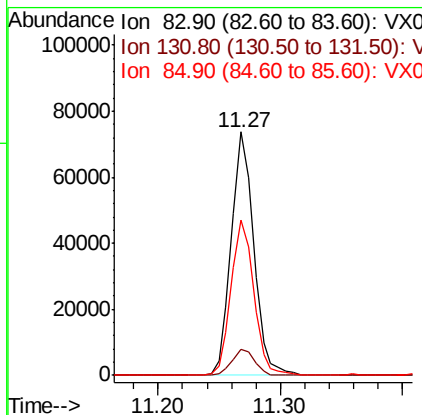
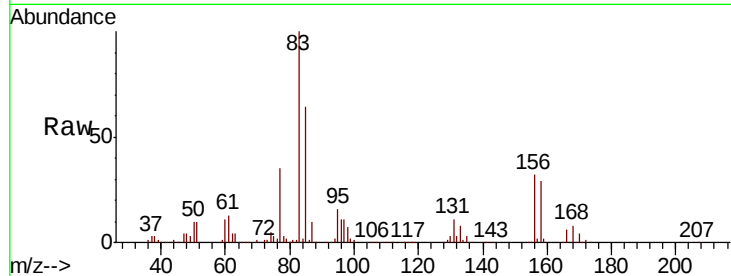
ClientSampleId :

VX1003MBS01

Tot Ion:	83	Resp:	93744
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.1	15.3
85	64.7	31.9	95.9

Manual Integrations
APPROVED

sam
10/3/2018 5:56:51 PM



#76

1,2,3-Trichloropropane

Concen: 20.574 ug/l m

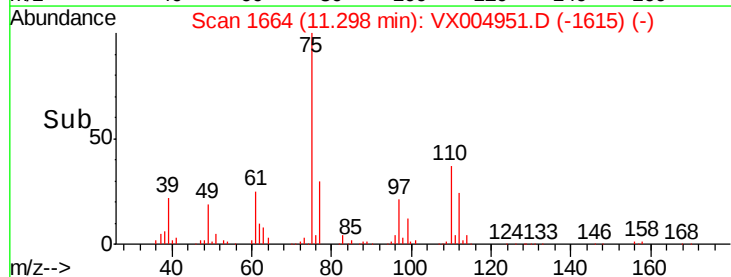
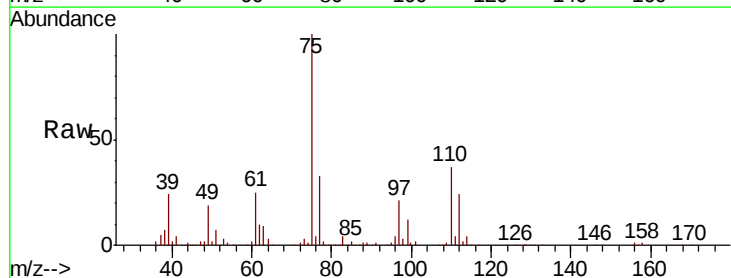
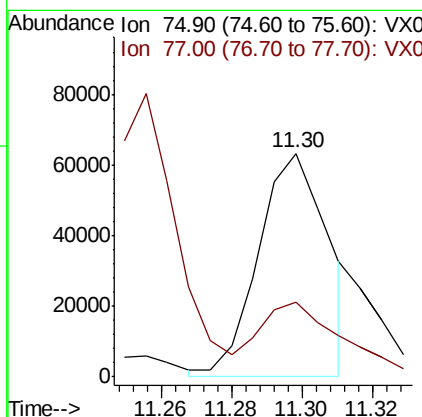
RT: 11.30 min Scan# 1664

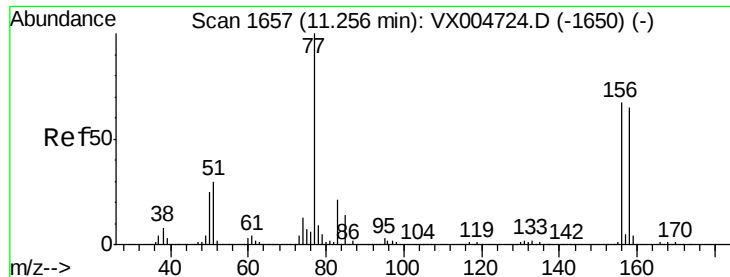
Delta R.T. -0.00 min

Lab File: VX004951.D

Acq: 03 Oct 2018 07:06

Tgt Ion:	75	Resp:	86910
Ion Ratio	Lower	Upper	
75	100		
77	40.0	21.4	64.3





#77

Bromobenzene

Concen: 20.828 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004951.D

Acq: 03 Oct 2018 07:06

Instrument :

MSVOA_X

ClientSampleId :

VX1003MBS01

Tot Ion:156 Resp: 71865

Ion Ratio Lower Upper

156 100

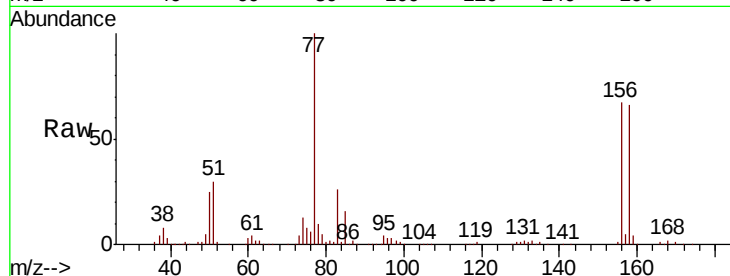
77 147.3 73.4 220.2

158 97.5 49.1 147.4

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sam

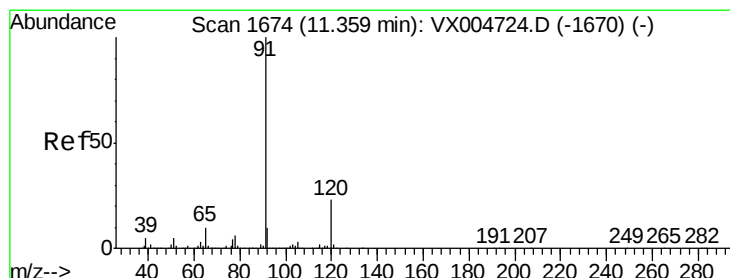
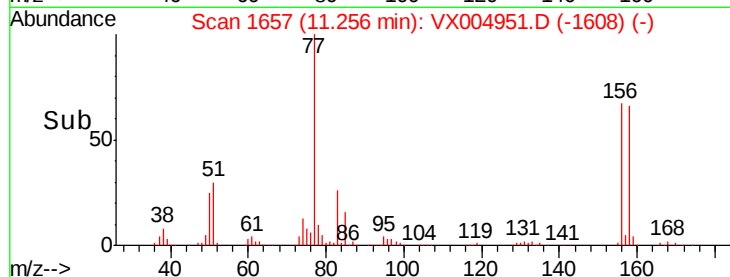
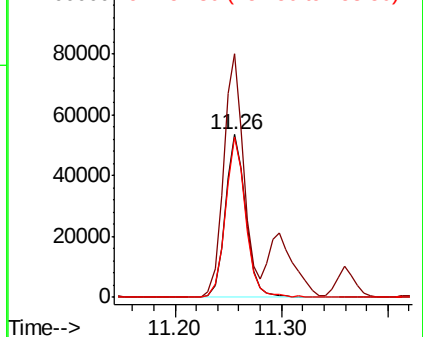
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.701 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004951.D

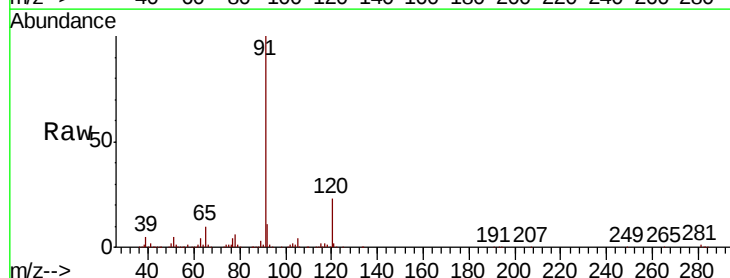
Acq: 03 Oct 2018 07:06

Tgt Ion: 91 Resp: 295790

Ion Ratio Lower Upper

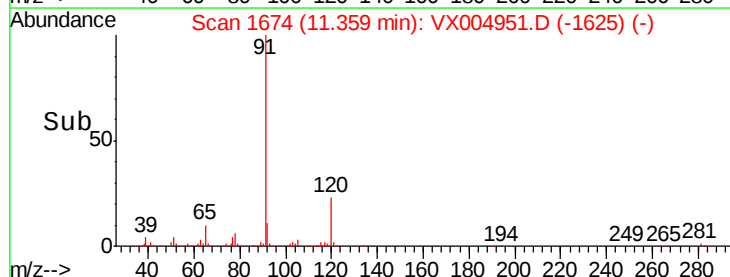
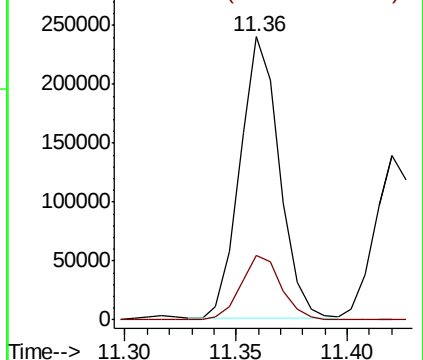
91 100

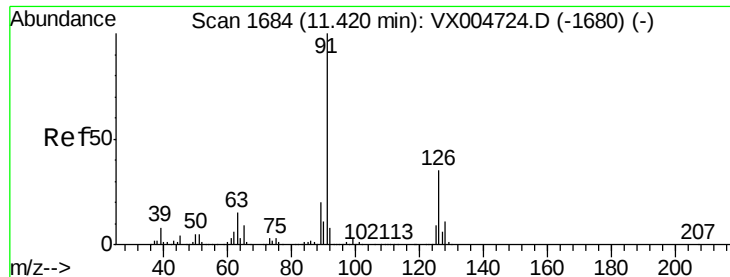
120 23.6 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.040 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004951.D

Acq: 03 Oct 2018 07:06

Instrument :

MSVOA_X

ClientSampled :

VX1003MBS01

Tot Ion: 91 Resp: 178758

Ion Ratio Lower Upper

91 100

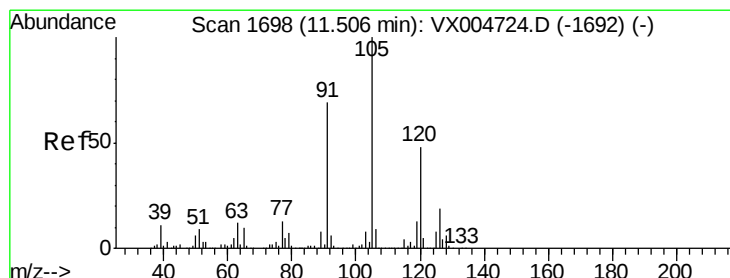
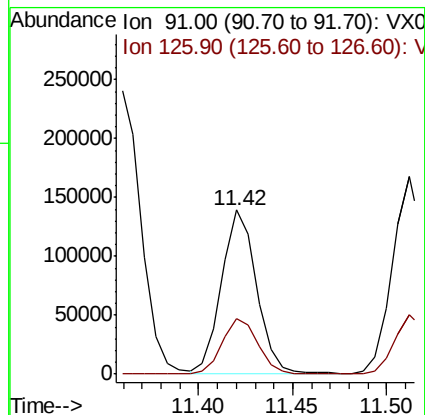
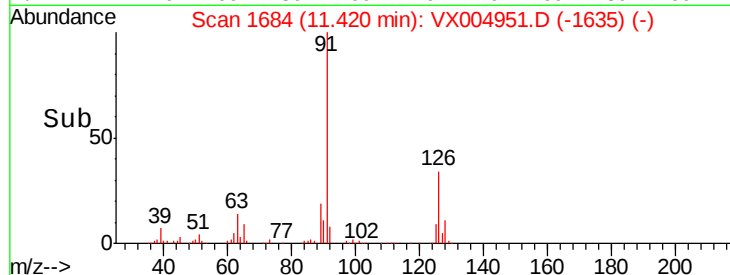
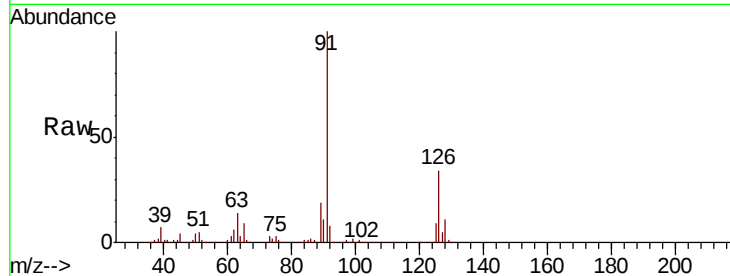
126 35.2 17.6 52.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.985 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX004951.D

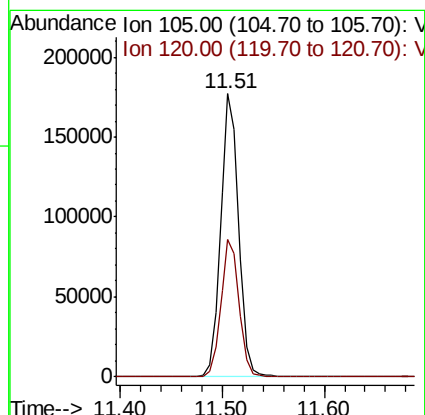
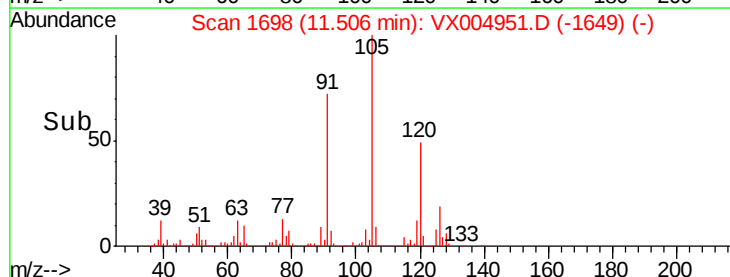
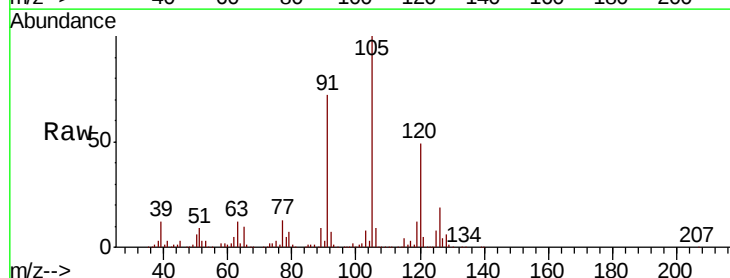
Acq: 03 Oct 2018 07:06

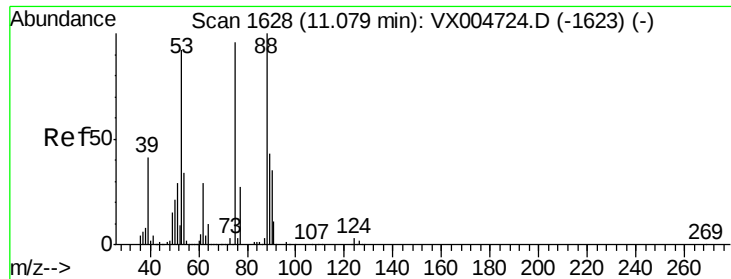
Tgt Ion: 105 Resp: 218884

Ion Ratio Lower Upper

105 100

120 49.0 24.3 72.8





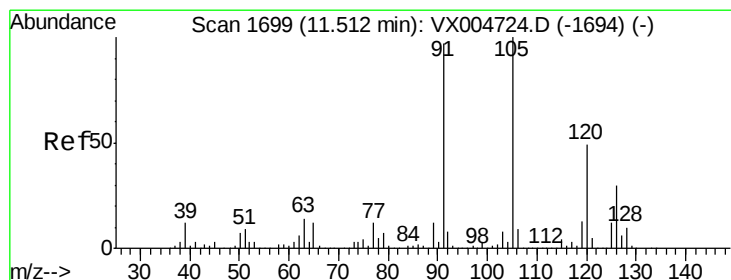
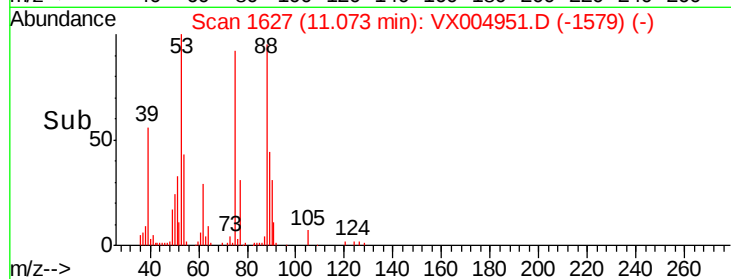
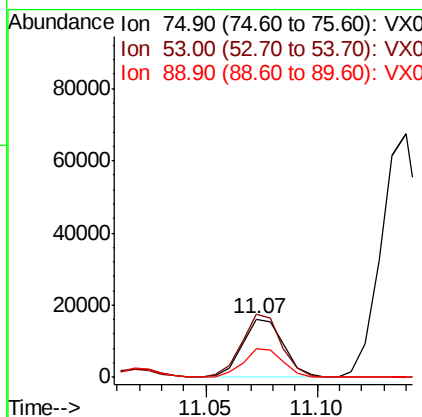
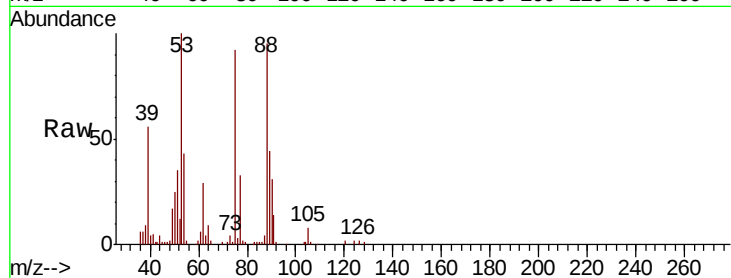
#81
trans-1,4-Dichloro-2-butene
Concen: 14.764 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.01 min
Lab File: VX004951.D
Acq: 03 Oct 2018 07:06

Instrument :
MSVOA_X
ClientSampleId :
VX1003MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.1	80.2	120.4
89	48.5	37.1	55.7

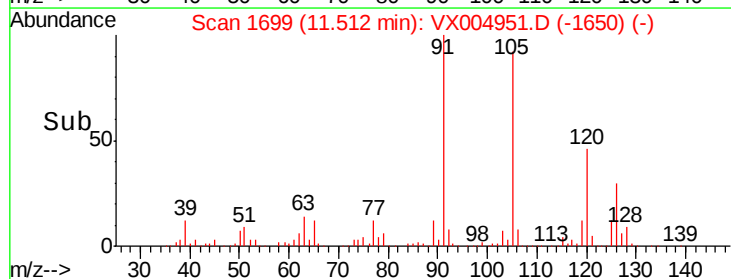
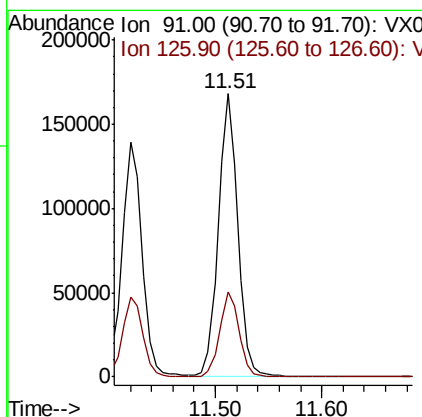
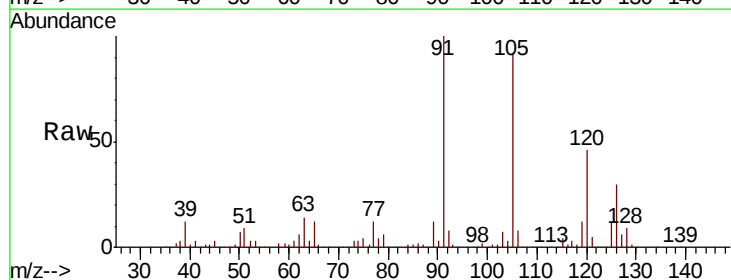
Manual Integrations
APPROVED

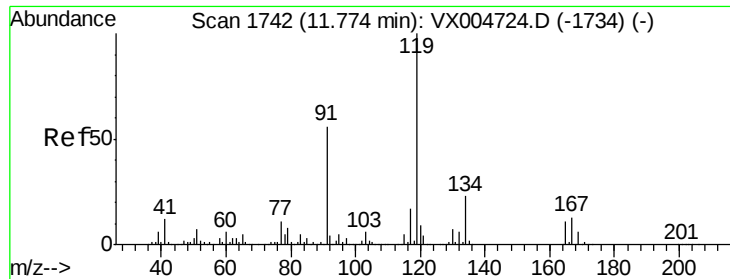
sam
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#82
4-Chlorotoluene
Concen: 21.363 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX004951.D
Acq: 03 Oct 2018 07:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.1	15.5	46.5





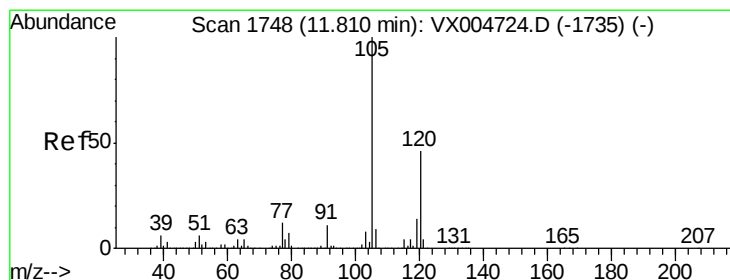
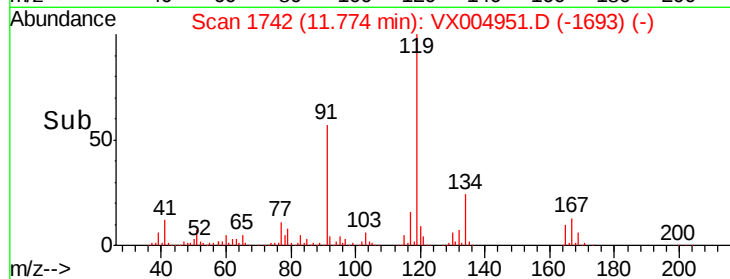
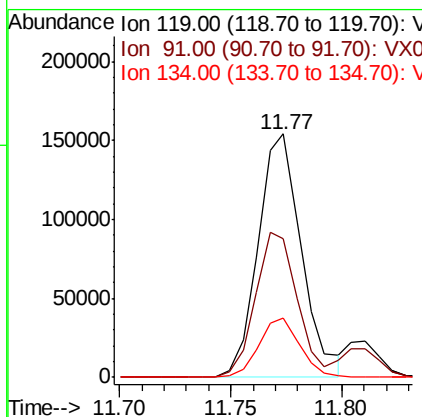
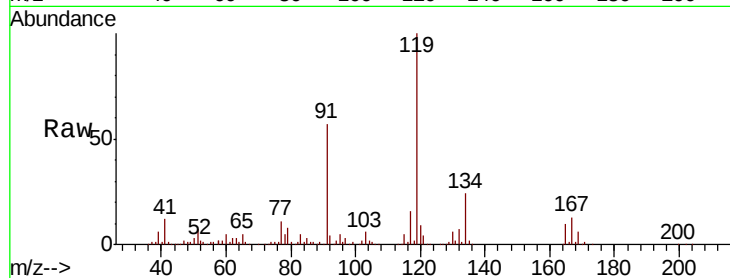
#83
 tert-Butylbenzene
 Concen: 21.381 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX004951.D
 Acq: 03 Oct 2018 07:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1003MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	209123		
91	57.2		27.5	82.5
134	23.2		11.5	34.4

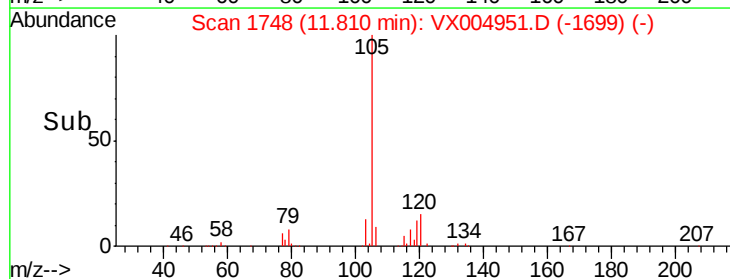
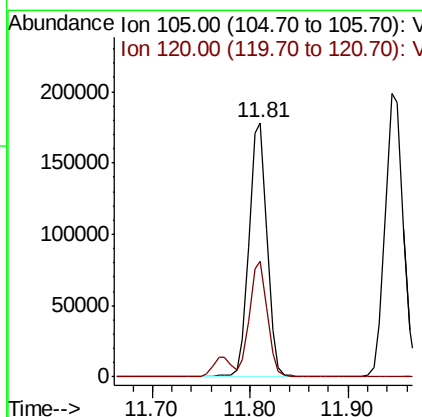
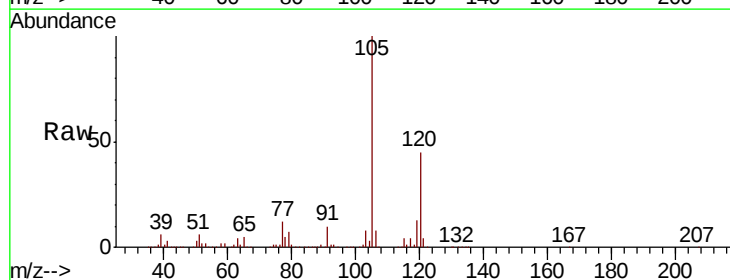
Manual Integrations
 APPROVED

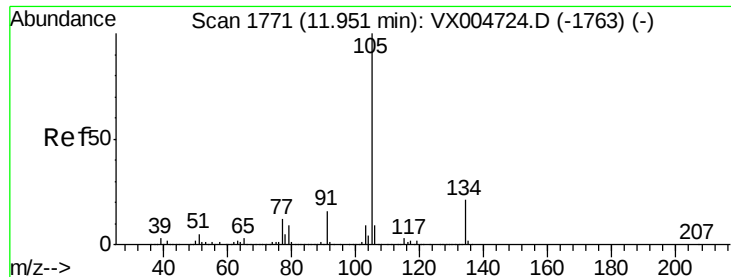
sam
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.173 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX004951.D
 Acq: 03 Oct 2018 07:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	227836		
120	44.7		22.8	68.3





#85

sec-Butylbenzene

Concen: 21.505 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004951.D

Acq: 03 Oct 2018 07:06

Instrument :

MSVOA_X

ClientSampleId :

VX1003MBS01

Tot Ion:105 Resp: 256195

Ion Ratio Lower Upper

105 100

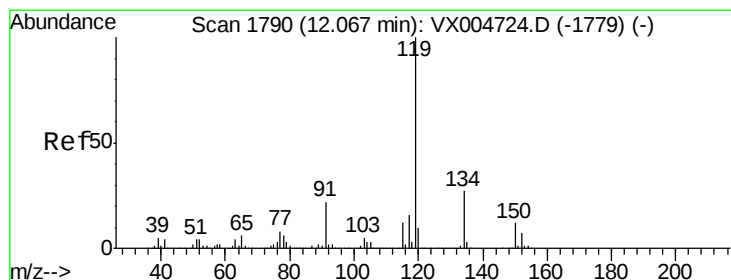
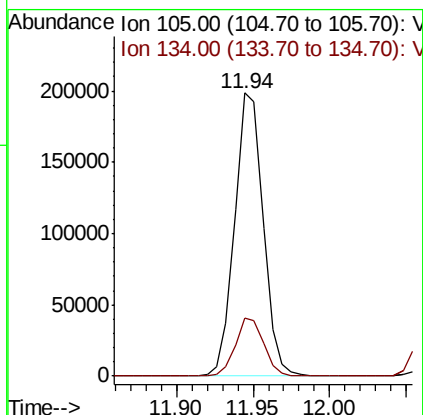
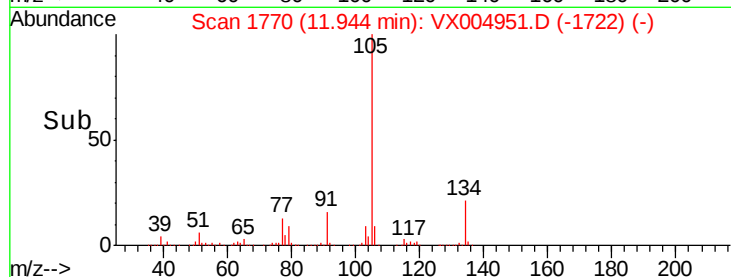
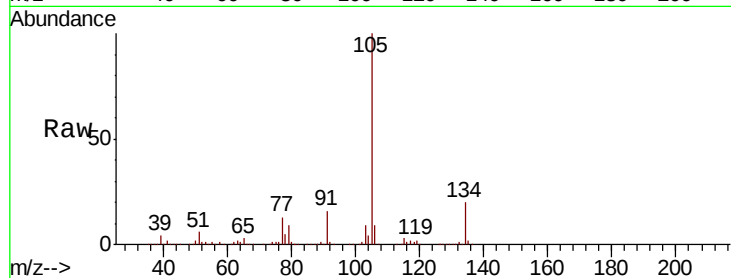
134 20.5 10.2 30.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.286 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004951.D

Acq: 03 Oct 2018 07:06

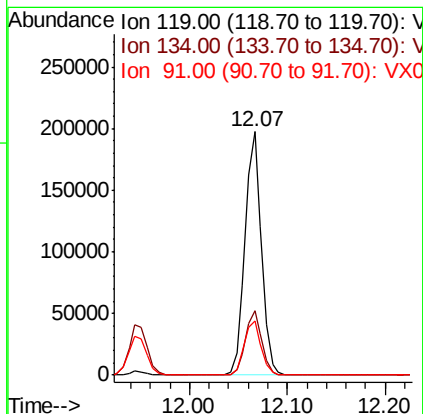
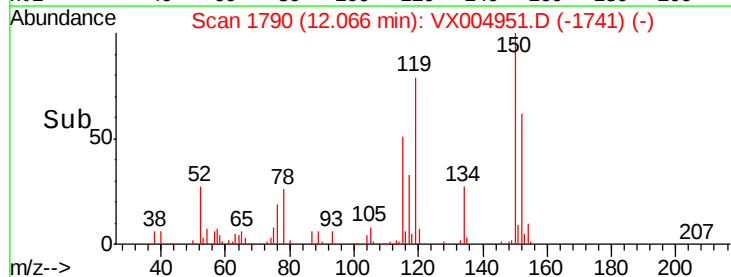
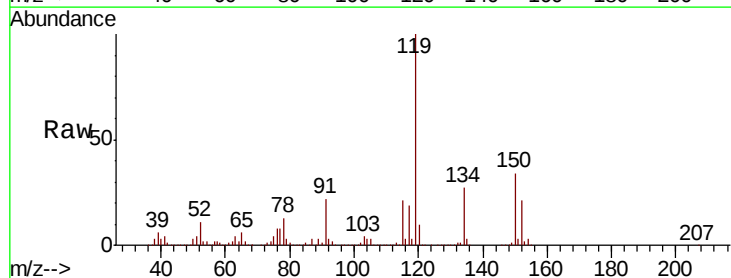
Tgt Ion:119 Resp: 229749

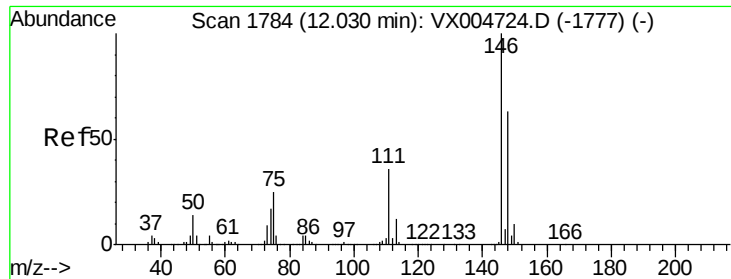
Ion Ratio Lower Upper

119 100

134 26.2 13.4 40.1

91 23.0 11.5 34.4





#87

1,3-Dichlorobenzene

Concen: 20.019 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VX004951.D

Acq: 03 Oct 2018 07:06

Instrument :

MSVOA_X

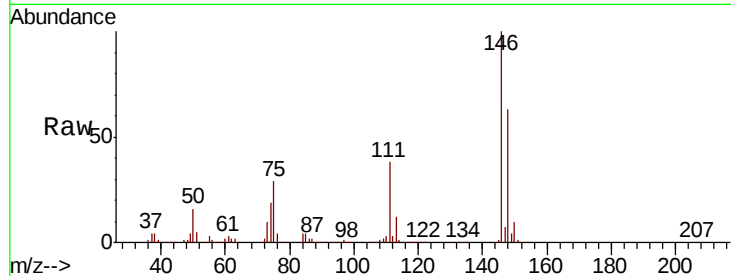
ClientSampled :

VX1003MBS01

Tot Ion:	146	Resp:	128981
Ion Ratio	Lower	Upper	
146	100		
111	38.8	18.9	56.9
148	63.9	31.8	95.3

Manual Integrations
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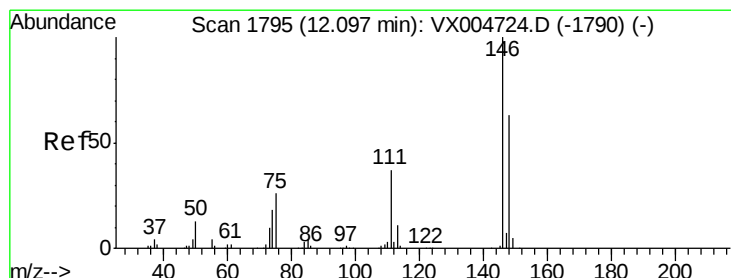
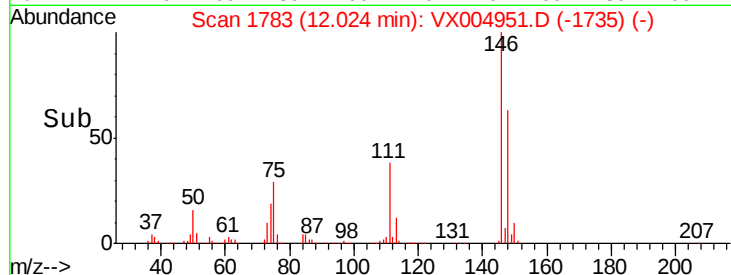
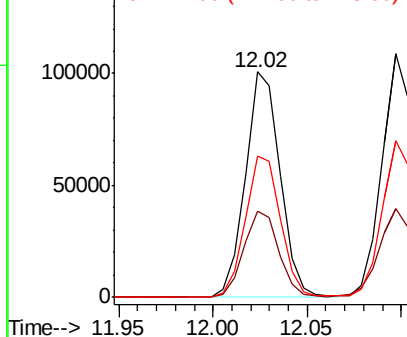


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.802 ug/l

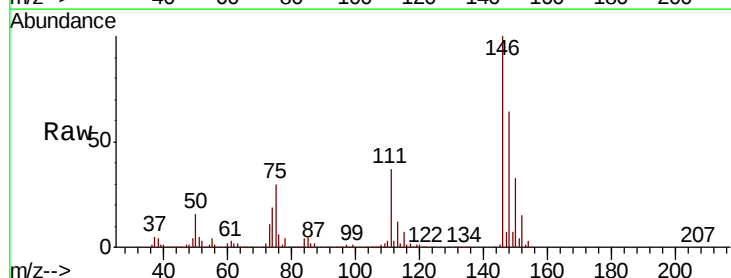
RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX004951.D

Acq: 03 Oct 2018 07:06

Tgt Ion:	146	Resp:	131704
Ion Ratio	Lower	Upper	
146	100		
111	38.2	18.4	55.2
148	64.6	32.0	96.0

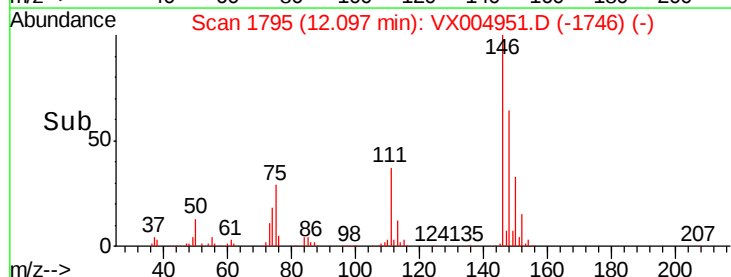
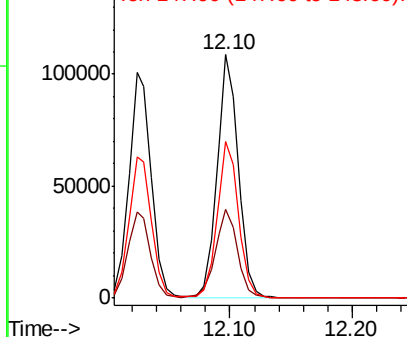


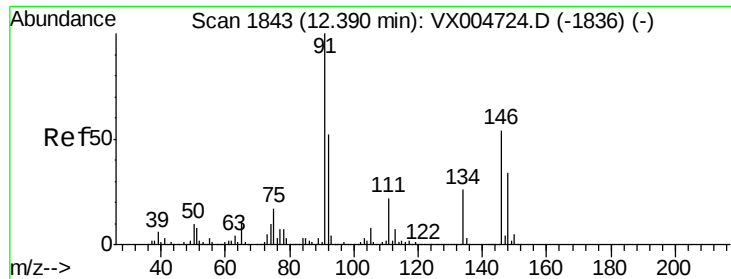
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





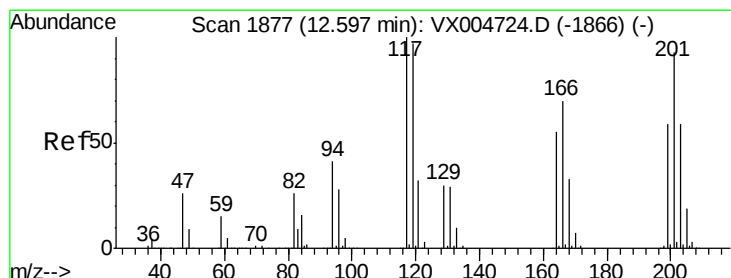
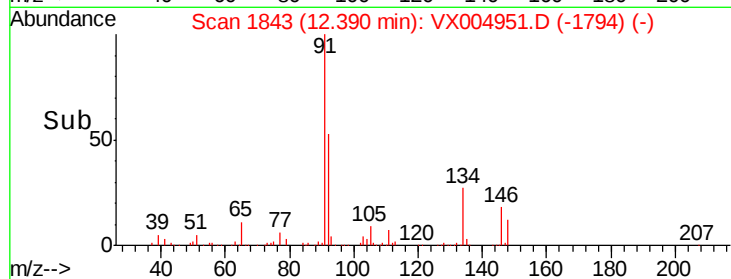
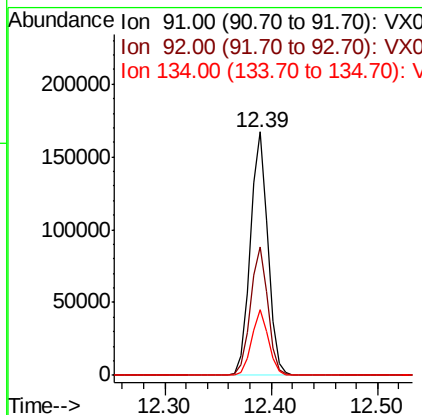
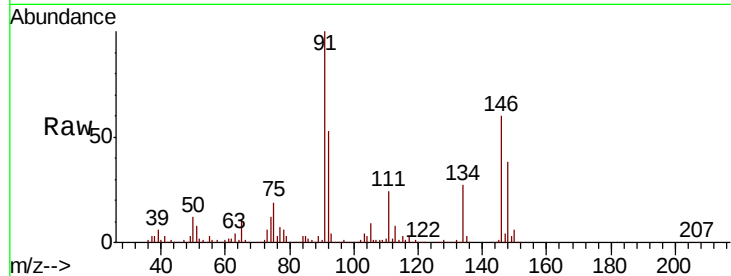
#89
n-Butylbenzene
Concen: 19.650 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004951.D
Acq: 03 Oct 2018 07:06

Instrument :
MSVOA_X
ClientSampled :
VX1003MBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	192615		
92	52.5	26.0	78.0	
134	26.0	13.2	39.6	

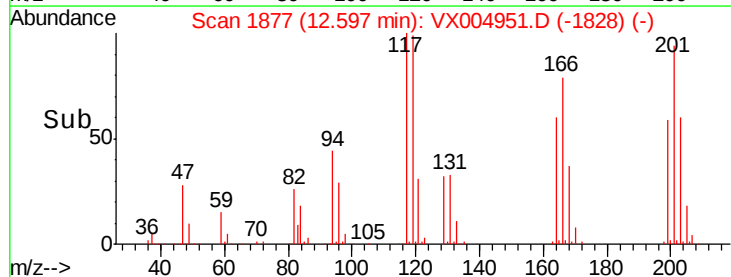
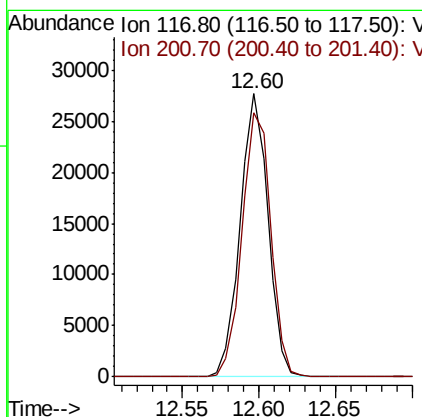
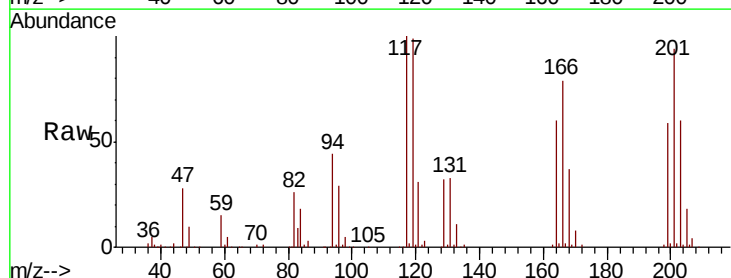
Manual Integrations
APPROVED

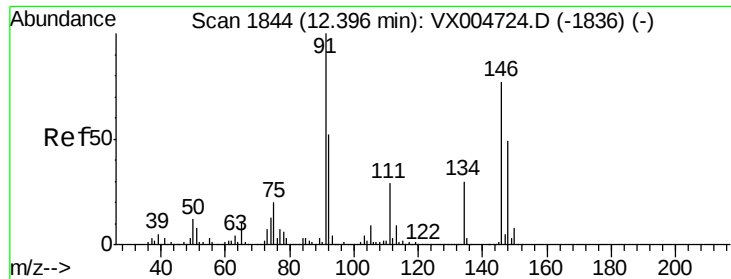
Sam
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#90
Hexachloroethane
Concen: 19.463 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004951.D
Acq: 03 Oct 2018 07:06

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	34976		
201	96.3	48.4	145.0	





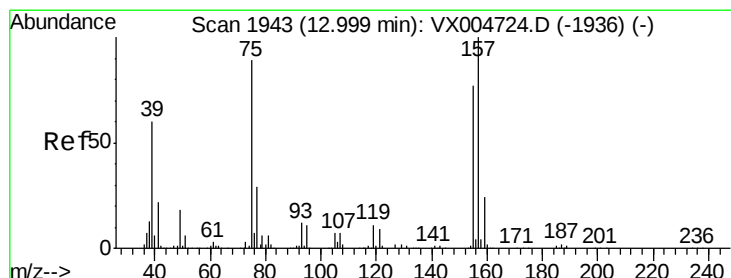
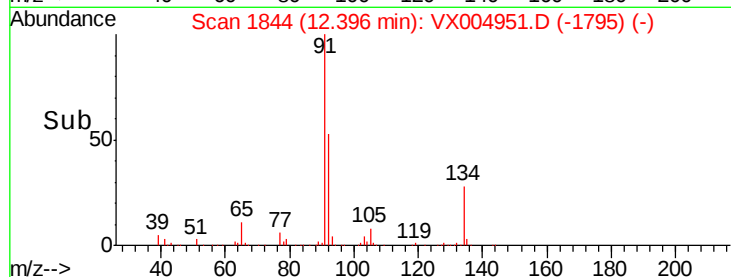
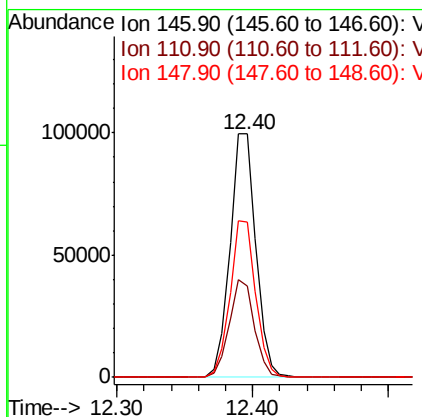
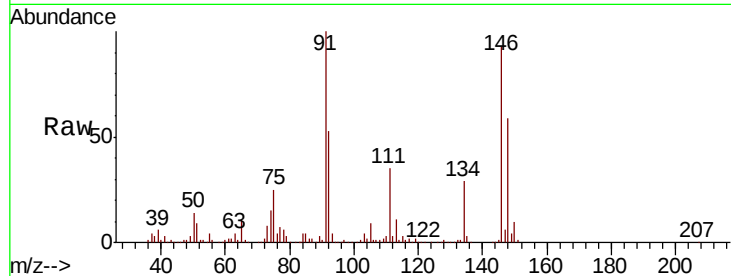
#91
 1,2-Dichlorobenzene
 Concen: 19.515 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. -0.00 min
 Lab File: VX004951.D
 Acq: 03 Oct 2018 07:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1003MBS01

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

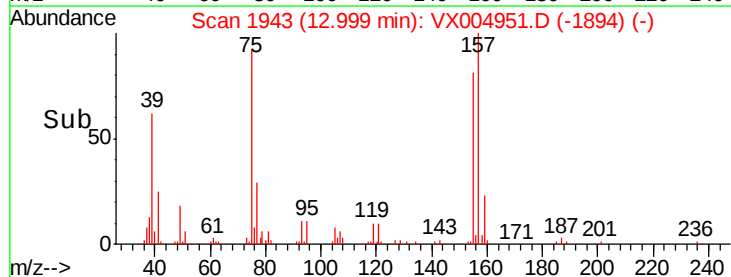
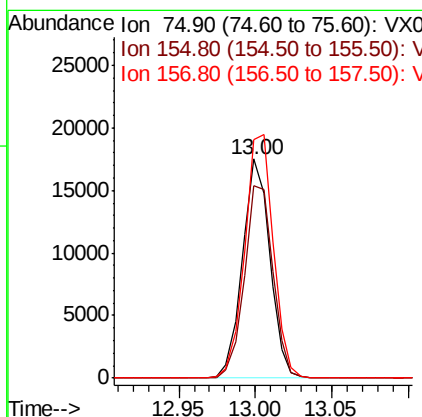
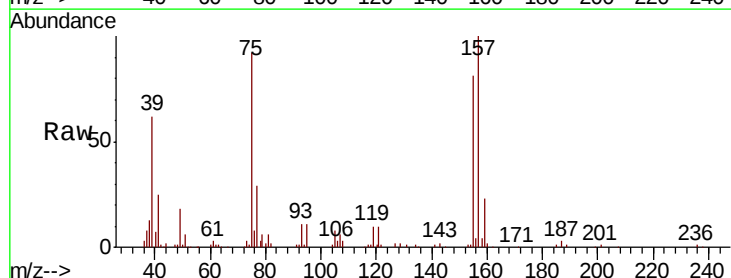
Manual Integrations
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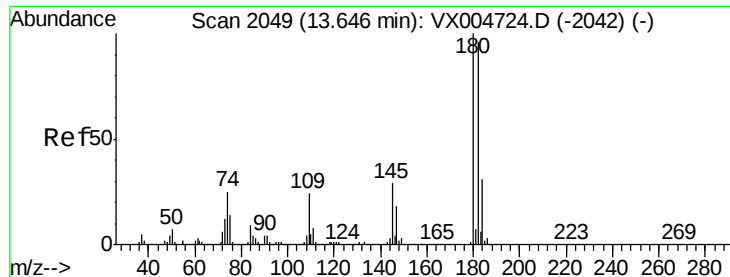
sam
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.611 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004951.D
 Acq: 03 Oct 2018 07:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.9	46.1	138.3
157	115.4	60.2	180.6





#93

1,2,4-Trichlorobenzene

Concen: 19.643 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX004951.D

Acq: 03 Oct 2018 07:06

Instrument :

MSVOA_X

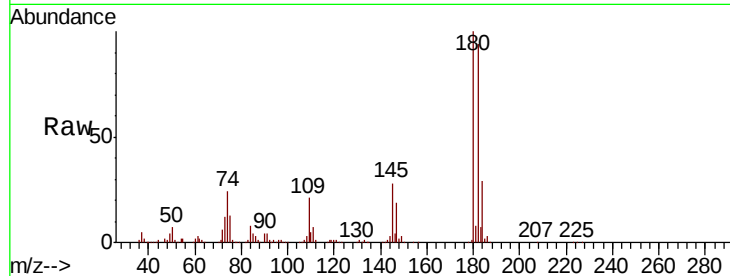
ClientSampled :

VX1003MBS01

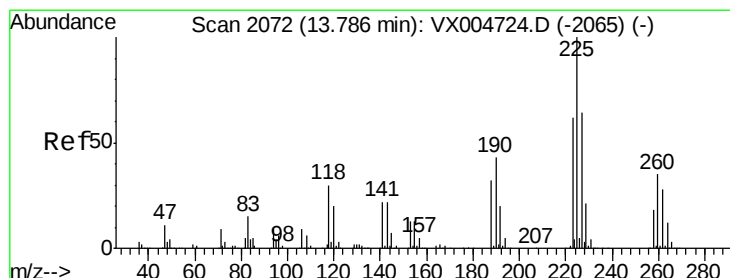
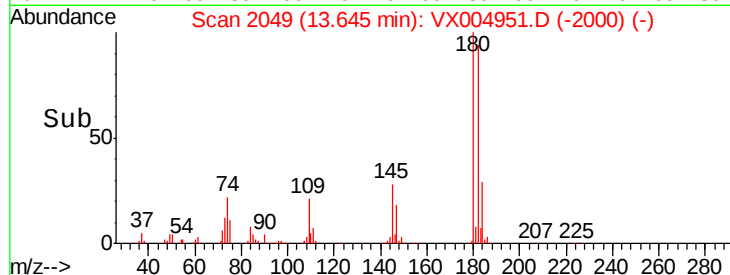
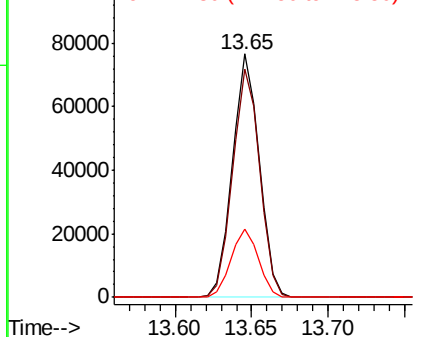
Tot Ion:	180	Resp:	92781
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.8	143.4
145	28.6	14.1	42.4

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



#94

Hexachlorobutadiene

Concen: 18.884 ug/l

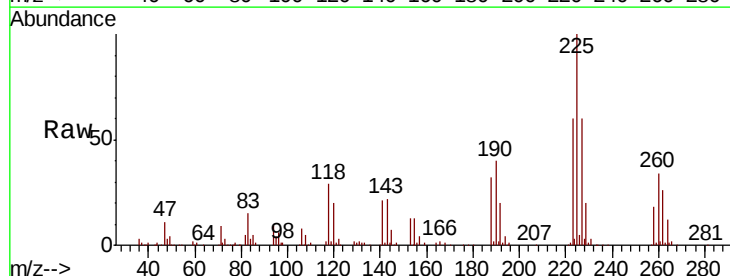
RT: 13.79 min Scan# 2072

Delta R.T. -0.00 min

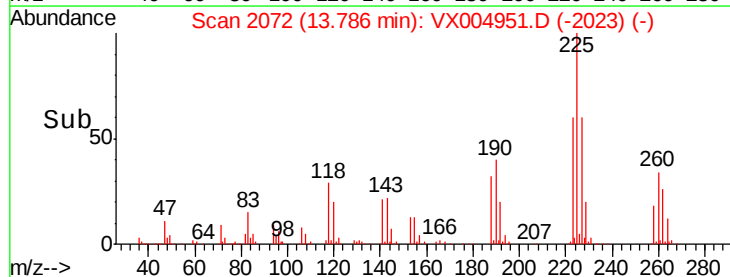
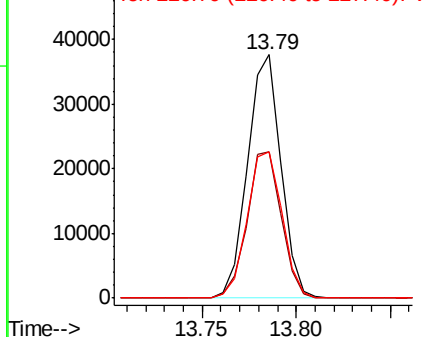
Lab File: VX004951.D

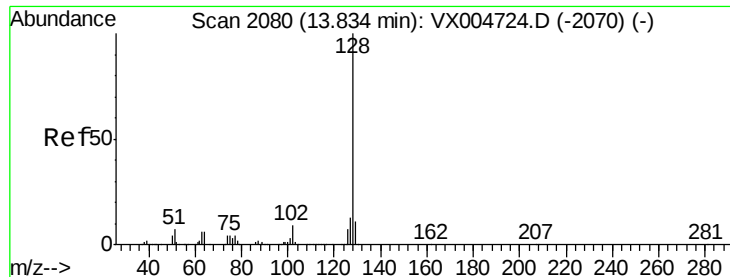
Acq: 03 Oct 2018 07:06

Tgt Ion:	225	Resp:	46252
Ion Ratio	Lower	Upper	
225	100		
223	61.6	31.3	93.8
227	62.9	31.9	95.5



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





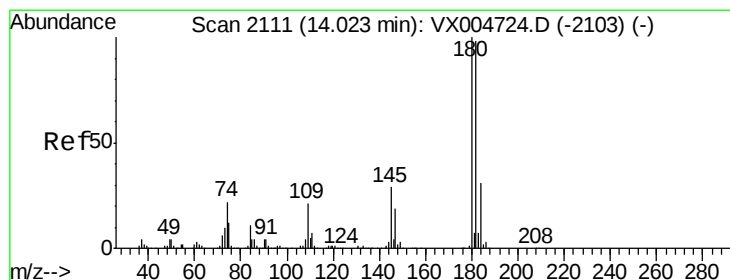
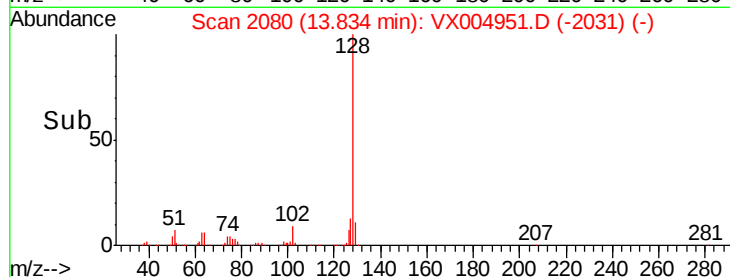
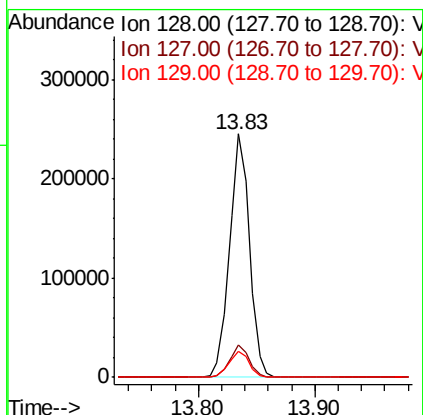
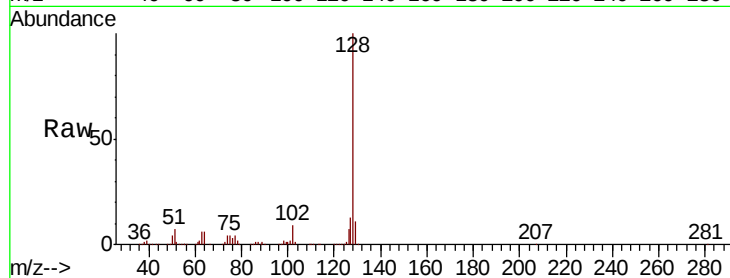
#95
Naphthalene
Concen: 19.099 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX004951.D
Acq: 03 Oct 2018 07:06

Instrument :
MSVOA_X
ClientSampleId :
VX1003MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.8	8.7	13.1

Manual Integrations
APPROVED

sam
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#96
1,2,3-Trichlorobenzene
Concen: 20.038 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX004951.D
Acq: 03 Oct 2018 07:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.9	143.8
145	29.8	15.0	45.0

