

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100218\
 Data File : VX004911.D
 Acq On : 02 Oct 2018 10:31
 Operator : JC/MD
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 10/3/2018 4:23:05 PM

Quant Time: Oct 03 04:35:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X100218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 03 04:23:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	50515	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	272916	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	251783	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	111775	29.12	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.07%
60) 4-Bromofluorobenzene	11.14	95	122477	29.26	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.53%
63) Toluene-d8	8.71	98	347019	30.88	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.93%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	80674	20.512	ug/l 100
3) Chloromethane	1.32	50	82713	20.270	ug/l 100
4) Vinyl Chloride	1.40	62	83672	20.058	ug/l 100
5) Bromomethane	1.64	94	36590	18.279	ug/l 100
6) Chloroethane	1.72	64	48229	20.138	ug/l 100
7) Trichlorofluoromethane	1.93	101	106060	19.959	ug/l 100
8) Diethyl Ether	2.19	74	42449	19.596	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	59977	19.653	ug/l 100
10) 1,1-Dichloroethene	2.37	96	56361	19.498	ug/l 100
11) Methyl Iodide	2.51	142	33950	14.426	ug/l 100
12) Methyl Acetate	2.78	43	118243	20.286	ug/l 100
13) Acrolein	2.29	56	50927	94.567	ug/l 100
14) Acrylonitrile	3.15	53	236440	99.265	ug/l 100
15) Acetone	2.45	58	86235	108.306	ug/l 100
16) Carbon Disulfide	2.57	76	166040	19.585	ug/l 100
17) Allyl chloride	2.73	41	128648	20.015	ug/l 100
18) Methylene Chloride	2.85	84	65944	19.617	ug/l 100
19) trans-1,2-Dichloroethene	3.17	96	59997	19.428	ug/l 100
20) Diisopropyl ether	3.87	45	209718	19.136	ug/l 100
21) 1,1-Dichloroethane	3.70	63	120987	20.037	ug/l 100
22) cis-1,2-Dichloroethene	4.60	96	65995	19.316	ug/l 100
23) tert-Butyl Alcohol	3.07	59	113615	103.316	ug/l 100
24) Methyl tert-Butyl Ether	3.20	73	208870	19.663	ug/l 100
25) Chloroform	5.21	83	110175	19.387	ug/l 100
26) Cyclohexane	5.57	56	101040	19.498	ug/l # 100
29) 1,1-Dichloropropene	5.80	75	81023	20.062	ug/l 100
30) 2-Butanone	4.70	43	349698	106.503	ug/l 100
31) 2,2-Dichloropropane	4.59	77	89753	20.256	ug/l 100
32) 1,1,1-Trichloroethane	5.49	97	94295	20.312	ug/l 100
33) Carbon Tetrachloride	5.78	117	82120	20.141	ug/l 100
34) Benzene	6.14	78	250403	20.432	ug/l 100
35) Methacrylonitrile	5.06	41	62932	20.624	ug/l 100
36) 1,2-Dichloroethane	6.20	62	91007	20.613	ug/l 100
37) Trichloroethene	7.21	130	64803	20.074	ug/l 100
38) Methylcyclohexane	7.46	83	92680	19.329	ug/l 100
39) 1,2-Dichloropropane	7.52	63	65971	20.203	ug/l 100
40) Dibromomethane	7.66	93	42656	20.155	ug/l 100

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Quant Time: Oct 03 04:35:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X100218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 03 04:23:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	81492	19.973	ug/l	100
42) Vinyl Acetate	3.82	43	962491	101.321	ug/l	100
43) Ethyl Acetate	4.86	43	109673	20.249	ug/l	100
44) Isopropyl Acetate	6.46	43	162703	20.129	ug/l	100
45) 1,4-Dioxane	7.76	88	39680	416.687	ug/l	100
46) Methyl methacrylate	7.78	41	84378	20.121	ug/l	100
47) n-amyl Acetate	10.90	43	141422	18.964	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	90939	18.393	ug/l	100
49) cis-1,3-Dichloropropene	8.44	75	102491	21.432	ug/l	100
50) 1,1,2-Trichloroethane	9.22	97	65165	20.337	ug/l	100
51) Ethyl methacrylate	9.18	69	98524	19.375	ug/l	100
52) 1,3-Dichloropropane	9.37	76	110659	20.471	ug/l	100
53) Dibromochloromethane	9.59	129	64896	19.521	ug/l	100
54) 1,2-Dibromoethane	9.67	107	67776	20.297	ug/l	100
55) 2-Chloroethyl vinyl ether	8.32	63	263862	98.335	ug/l	100
56) Bromoform	10.86	173	51867	18.682	ug/l	100
58) 4-Methyl-2-Pentanone	8.65	43	585938	103.646	ug/l	100
59) 2-Hexanone	9.50	43	477683	102.559	ug/l	100
61) Tetrachloroethene	9.34	164	64059	20.906	ug/l	100
62) Toluene	8.79	91	271382	20.509	ug/l	100
64) Chlorobenzene	10.14	112	173106	20.257	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.22	131	63169	20.335	ug/l	100
66) Ethyl Benzene	10.26	91	288276	19.955	ug/l	100
67) m/p-Xylenes	10.36	106	226183	40.212	ug/l	100
68) o-Xylene	10.70	106	107379	19.804	ug/l	100
69) Styrene	10.71	104	180698	19.819	ug/l	100
70) Isopropylbenzene	11.02	105	293732	20.231	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	105999	19.656	ug/l	100
72) 1,2,3-Trichloropropane	11.30	75	99787m	20.311	ug/l	100
73) Bromobenzene	11.26	156	79502	19.920	ug/l	100
74) n-propylbenzene	11.36	91	341250	19.976	ug/l	100
75) 2-Chlorotoluene	11.42	91	207730	19.938	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	250036	19.960	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	28612	17.713	ug/l	100
78) 4-Chlorotoluene	11.51	91	239068	19.741	ug/l	100
79) tert-butylbenzene	12.07	119	262601	19.752	ug/l	100
80) 1,2,4-Trimethylbenzene	11.81	105	257654	20.168	ug/l	100
81) sec-Butylbenzene	11.94	105	292583	19.786	ug/l	100
82) p-Isopropyltoluene	12.07	119	262601	19.752	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	144288	19.551	ug/l	100
84) 1,4-Dichlorobenzene	12.10	146	145946	19.487	ug/l	100
85) n-Butylbenzene	12.39	91	230474	19.086	ug/l	100
86) Hexachloroethane	12.60	117	40882	18.668	ug/l	100
87) 1,2-Dichlorobenzene	12.39	146	145873	19.444	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	13.00	75	24547	19.698	ug/l	100
89) 1,2,4-Trichlorobenzene	13.65	180	105114	18.783	ug/l	100
90) Hexachlorobutadiene	13.79	225	52330	18.941	ug/l	100
91) Naphthalene	13.83	128	336139	19.317	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	109468	19.076	ug/l	100

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VSTDICCC020

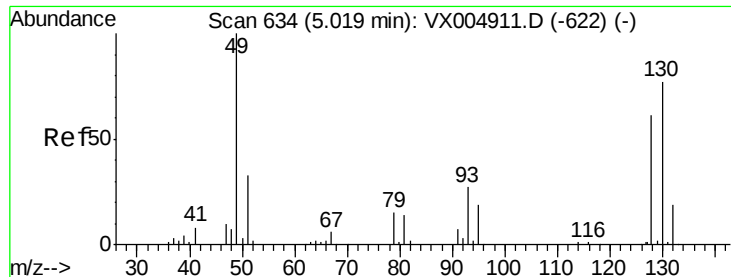
Manual Integrations
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10/3/2018 4:23:05 PM

Quant Time: Oct 03 04:35:40 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X100218W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 03 04:23:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

Instrument :

MSVOA_X

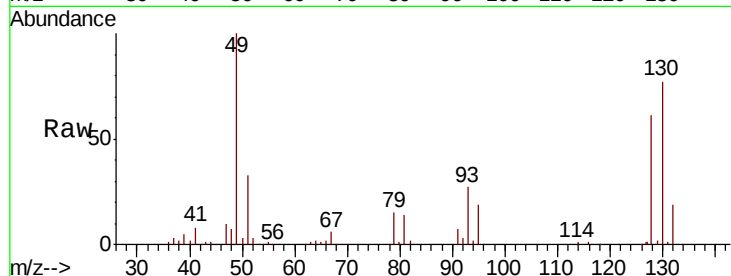
ClientSampleId :

VSTDICCC020

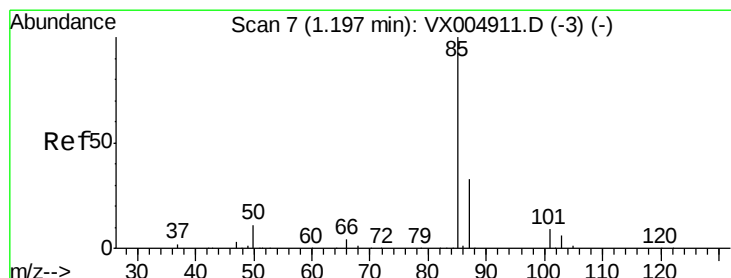
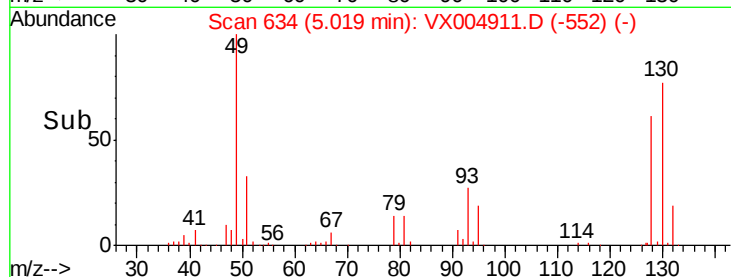
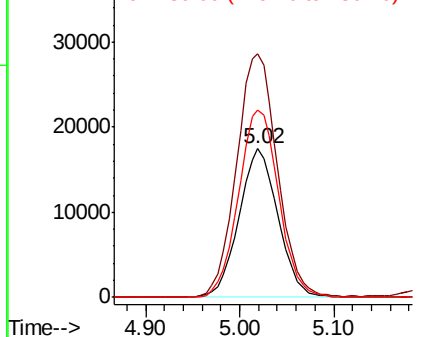
Tot Ion:	128	Resp:	50515
Ion	Ratio	Lower	Upper
128	100		
49	171.8	0.0	429.5
130	130.3	0.0	325.8

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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VX0
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.512 ug/l

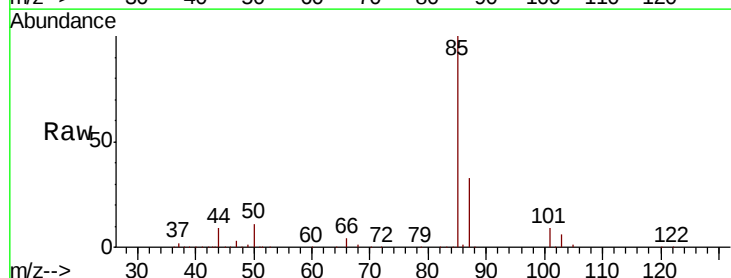
RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

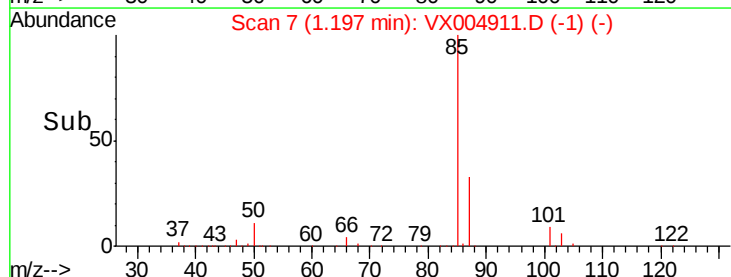
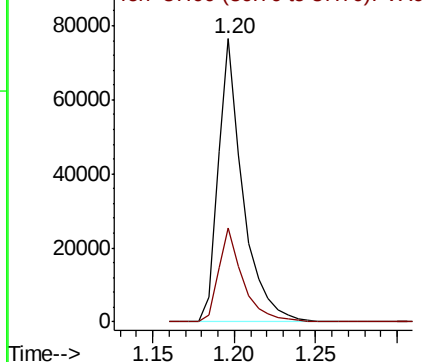
Lab File: VX004911.D

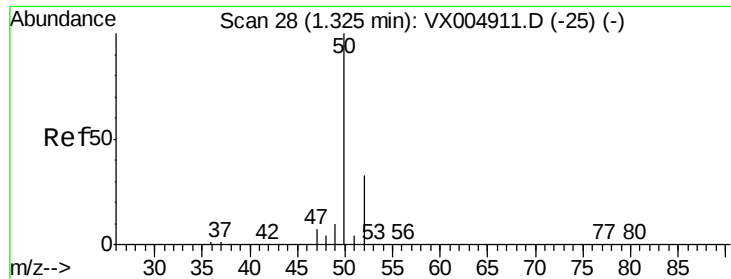
Acq: 02 Oct 2018 10:31

Tgt Ion:	85	Resp:	80674
Ion	Ratio	Lower	Upper
85	100		
87	33.0	16.5	49.5



Abundance Ion 85.00 (84.70 to 85.70): VX0
Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 20.270 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 50 Resp: 82713

Ion Ratio Lower Upper

50 100

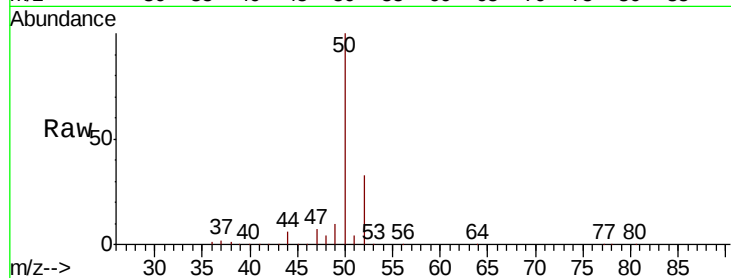
52 32.6 26.1 39.1

Manual Integrations

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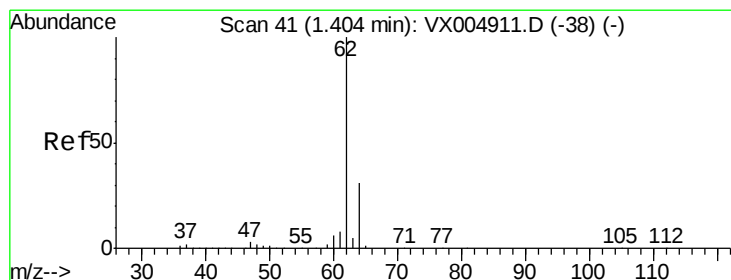
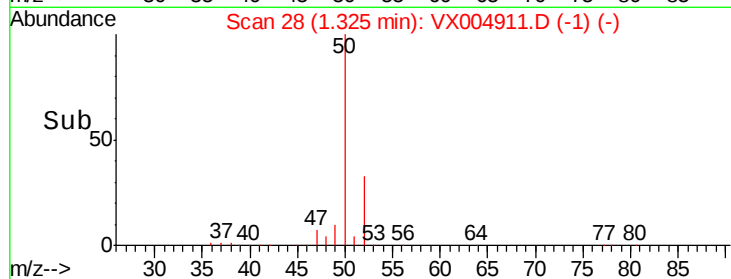
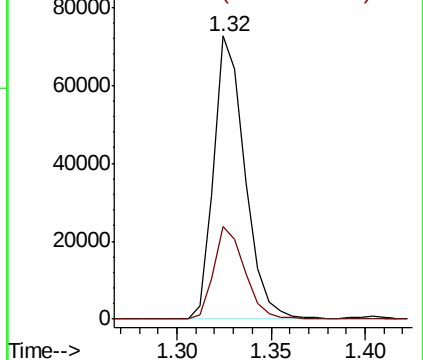
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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 20.058 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004911.D

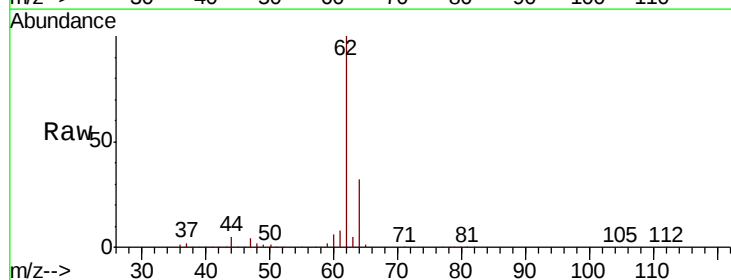
Acq: 02 Oct 2018 10:31

Tgt Ion: 62 Resp: 83672

Ion Ratio Lower Upper

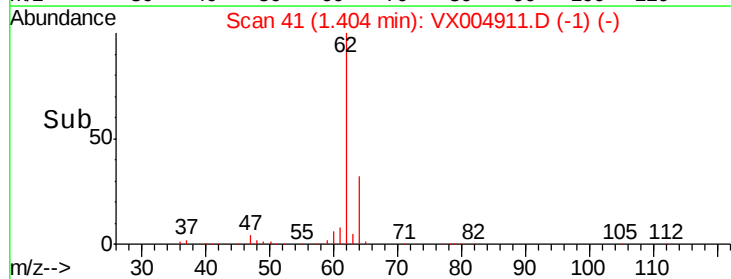
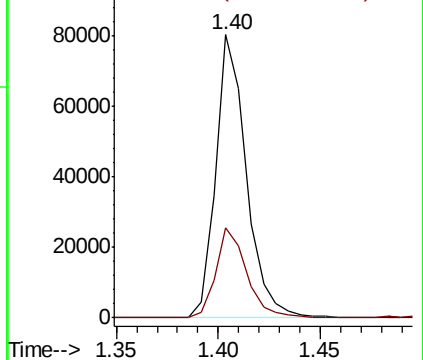
62 100

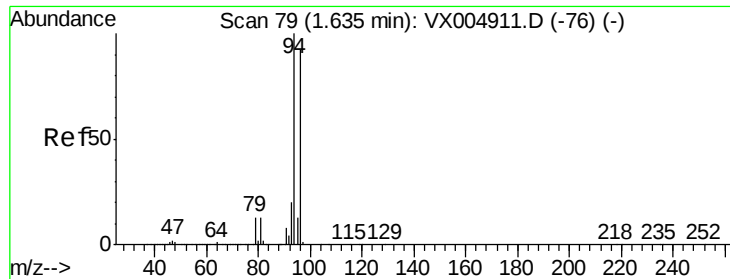
64 31.5 25.2 37.8



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 18.279 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 94 Resp: 36590

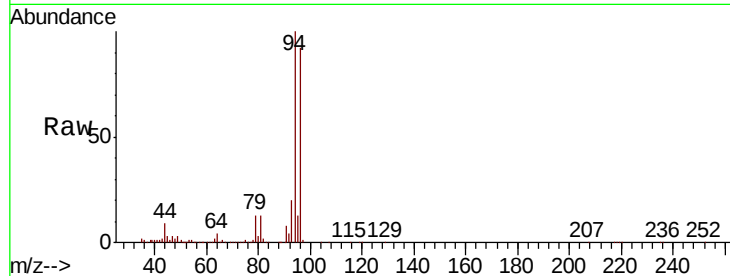
Ion Ratio Lower Upper

94 100

96 92.3 73.8 110.8

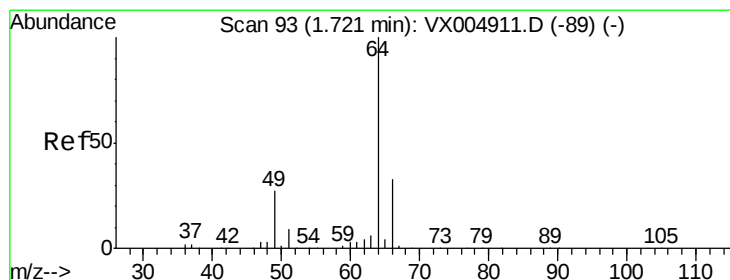
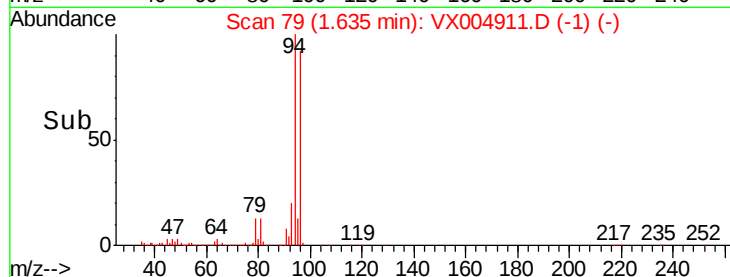
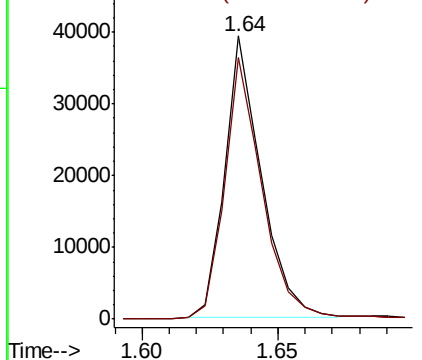
Manual Integrations
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 20.138 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX004911.D

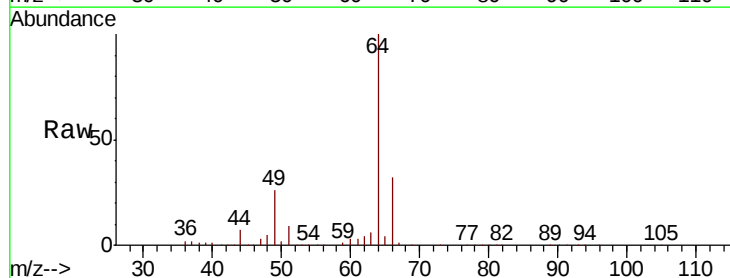
Acq: 02 Oct 2018 10:31

Tgt Ion: 64 Resp: 48229

Ion Ratio Lower Upper

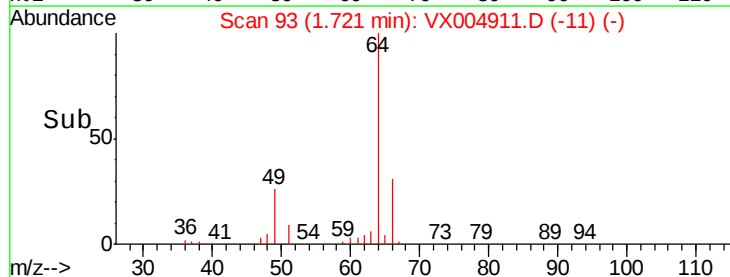
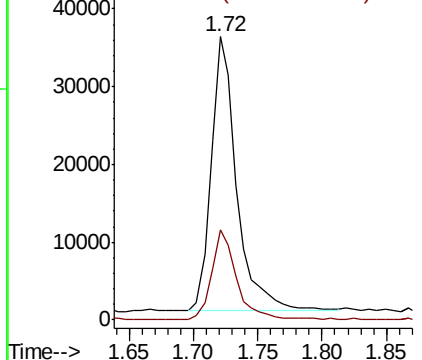
64 100

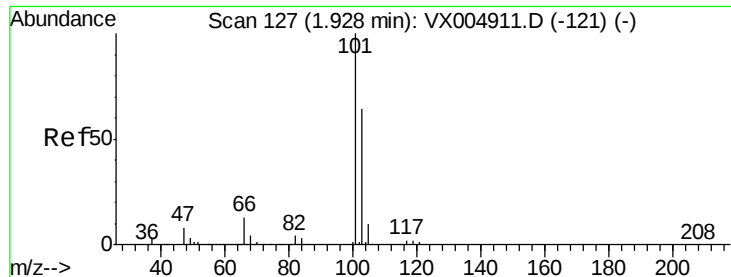
66 32.5 26.0 39.0



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

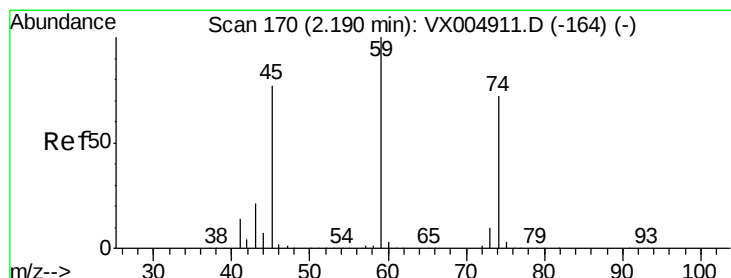
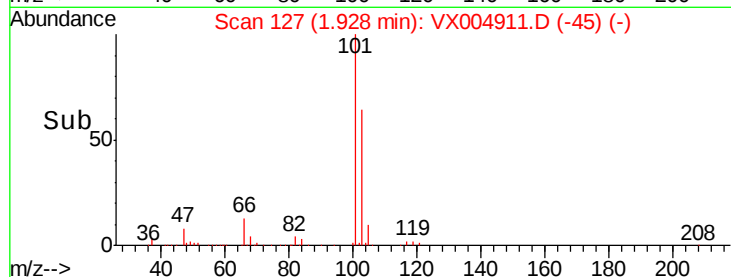
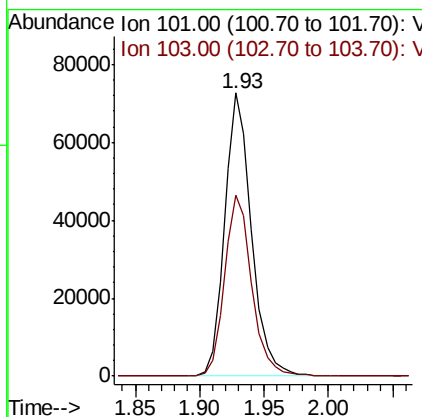
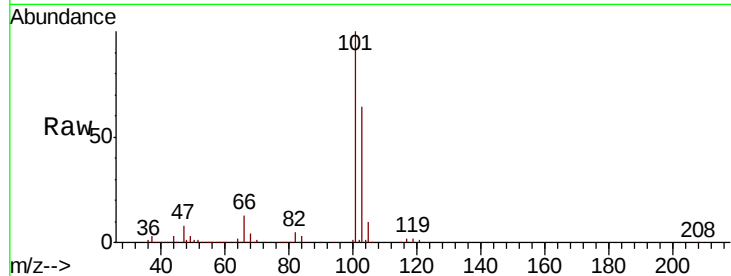
Trichlorofluoromethane
Concen: 19.959 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX004911.D
Acq: 02 Oct 2018 10:31

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.1	76.7

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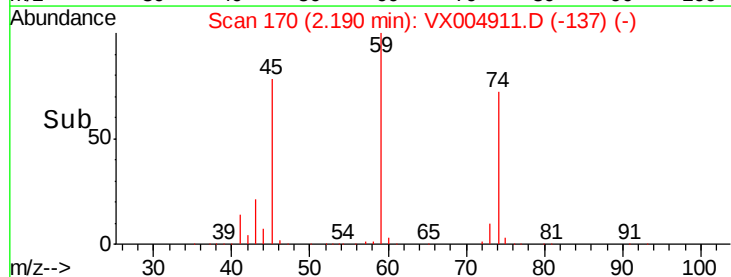
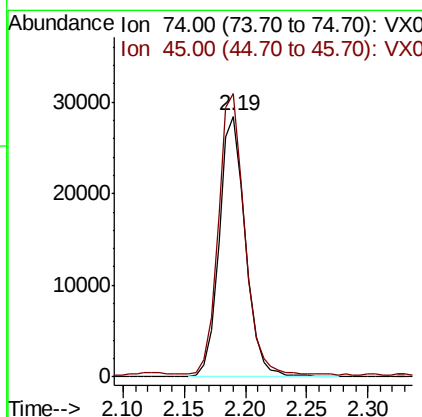
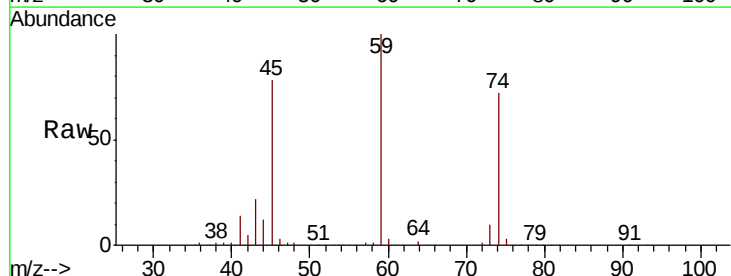
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10/3/2018 4:23:05 PM

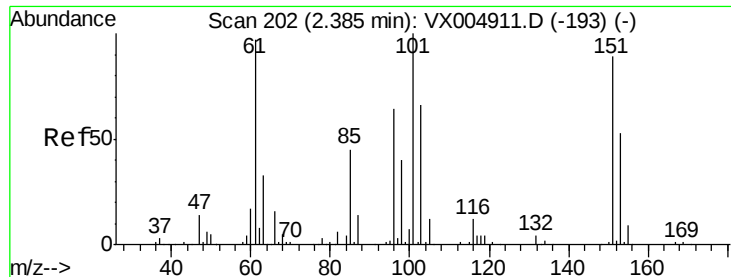


#8

Diethyl Ether
Concen: 19.596 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX004911.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.2	21.6	194.8





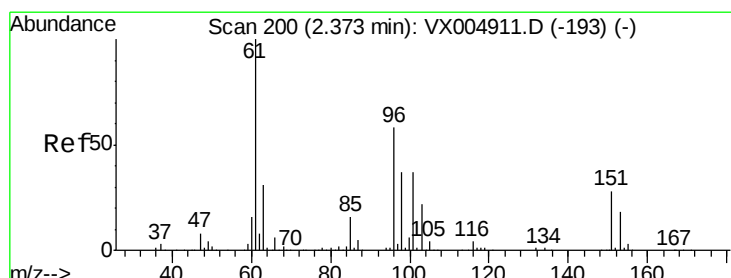
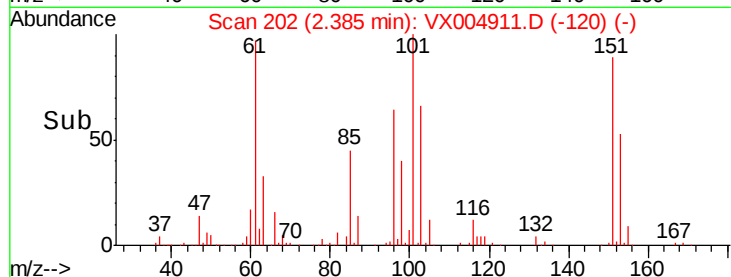
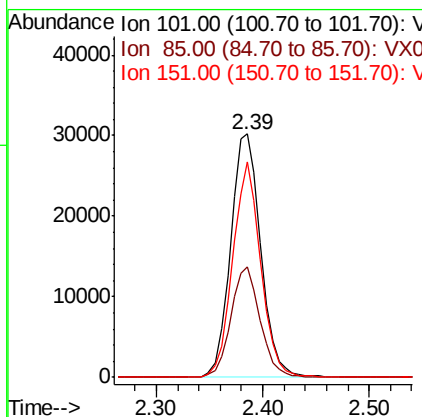
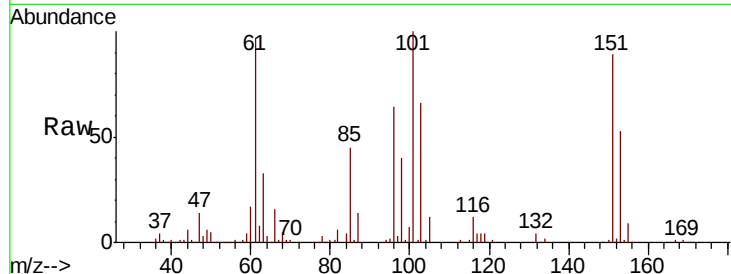
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.653 ug/l
 RT: 2.39 min Scan# 202
 Delta R.T. 0.00 min
 Lab File: VX004911.D
 Acq: 02 Oct 2018 10:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
101	100	59977		
85	44.0		0.0	88.0
151	82.4		0.0	164.8

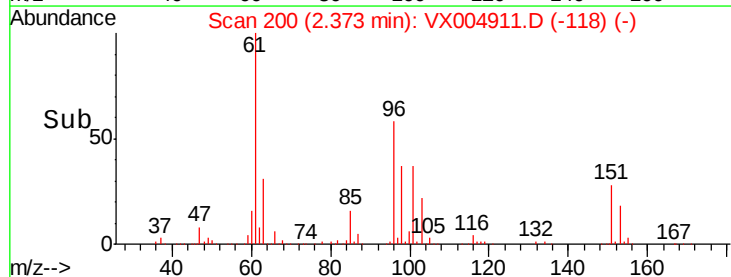
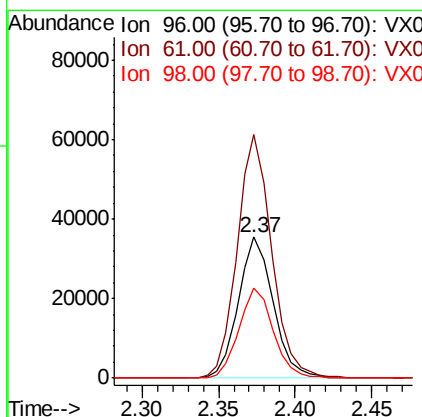
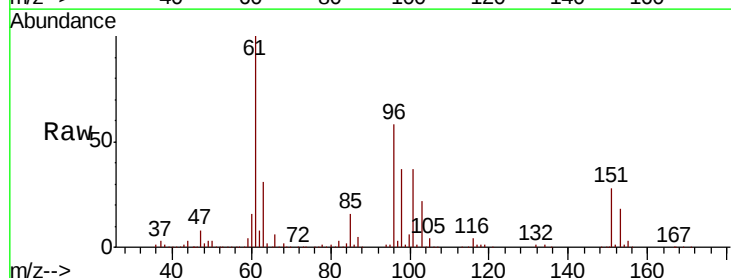
Manual Integrations
 APPROVED

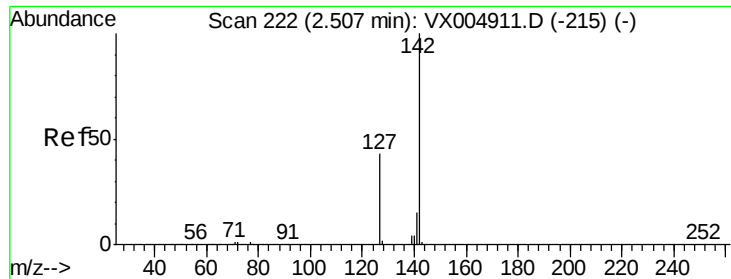
MMDadoda
 10/3/2018 4:23:05 PM



#10
 1,1-Dichloroethene
 Concen: 19.498 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX004911.D
 Acq: 02 Oct 2018 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	56361		
61	172.4		137.9	206.9
98	63.7		51.0	76.4





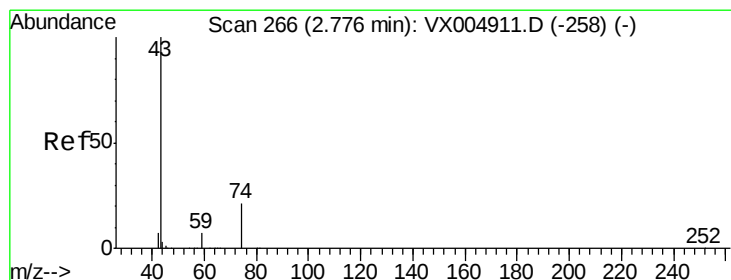
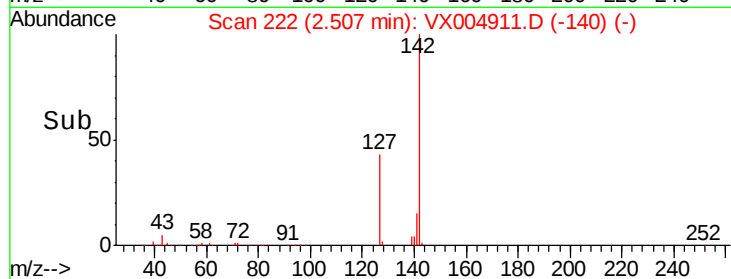
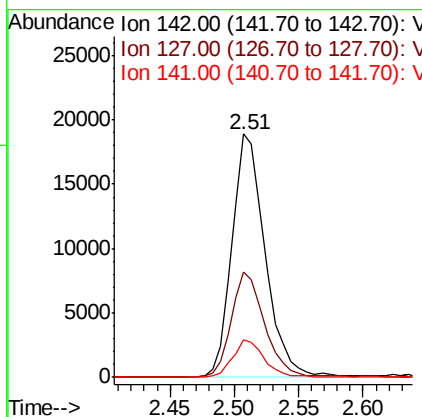
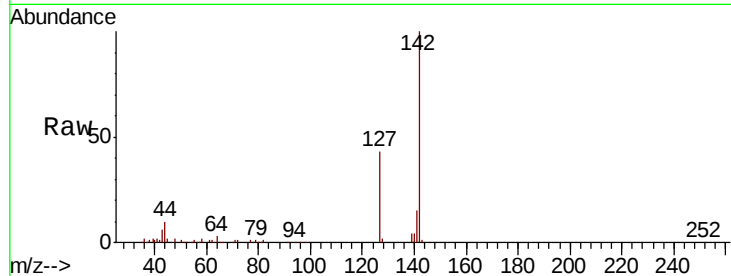
#11
Methvl Iodide
Concen: 14.426 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX004911.D
Acq: 02 Oct 2018 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	43.2	21.6	64.8
141	15.1	7.5	22.6

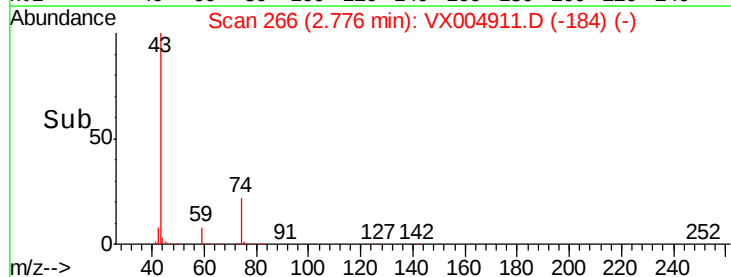
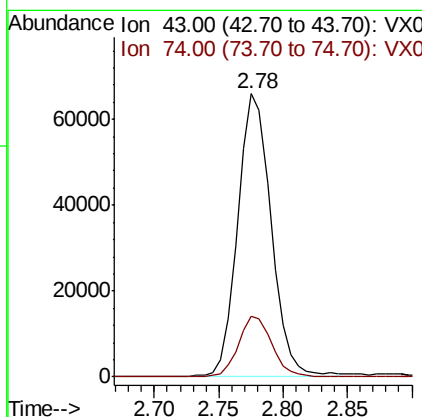
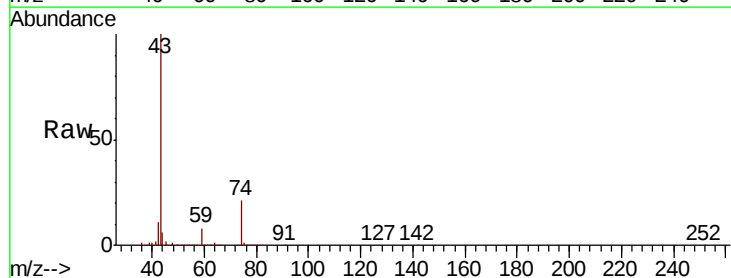
Manual Integrations
APPROVED

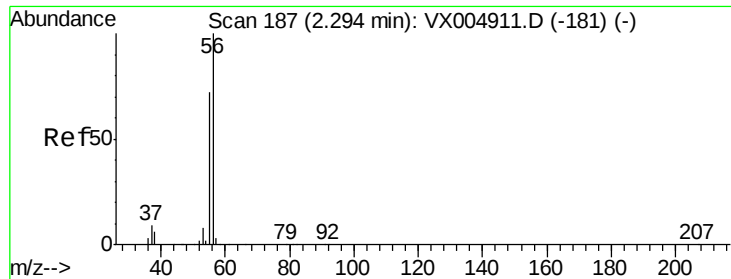
MMDadoda
10/3/2018 4:23:05 PM



#12
Methyl Acetate
Concen: 20.286 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX004911.D
Acq: 02 Oct 2018 10:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.3	17.0	25.6





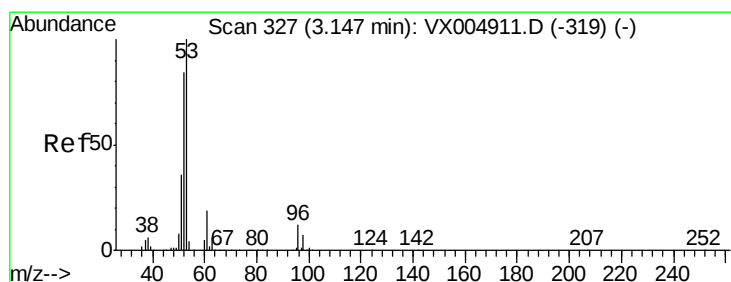
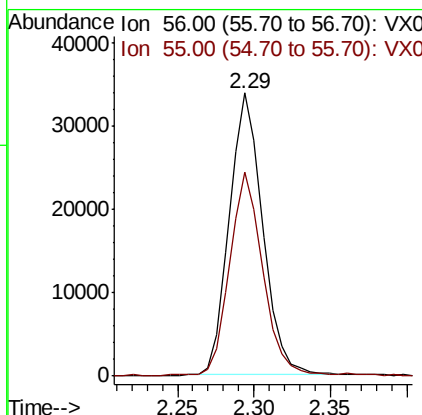
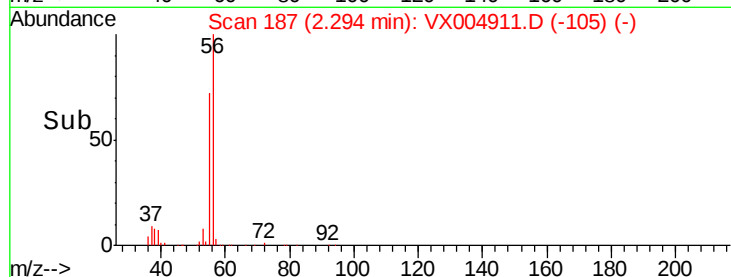
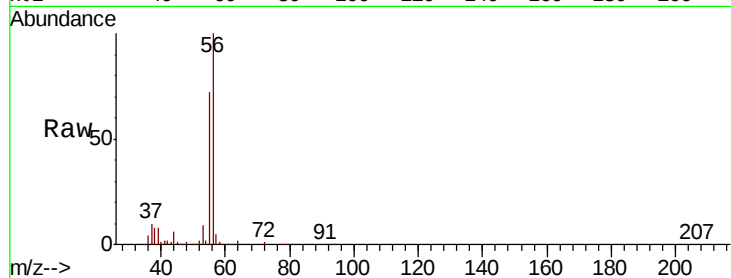
#13
Acrolein
Concen: 94.567 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX004911.D
Acq: 02 Oct 2018 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.4	57.9	86.9

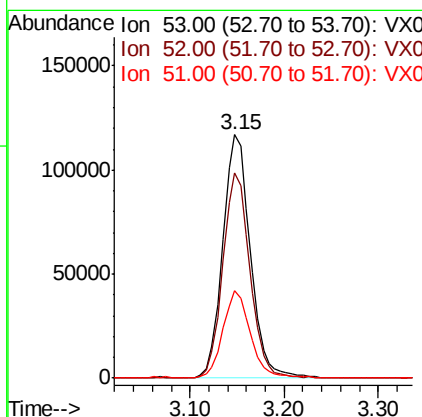
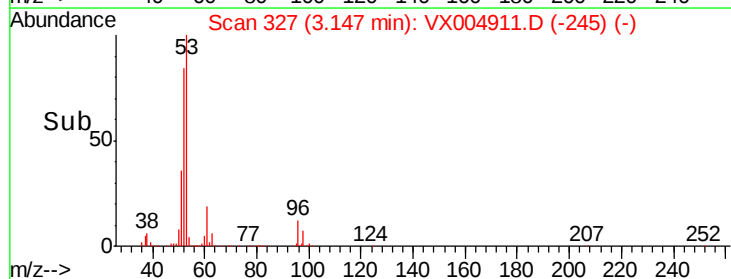
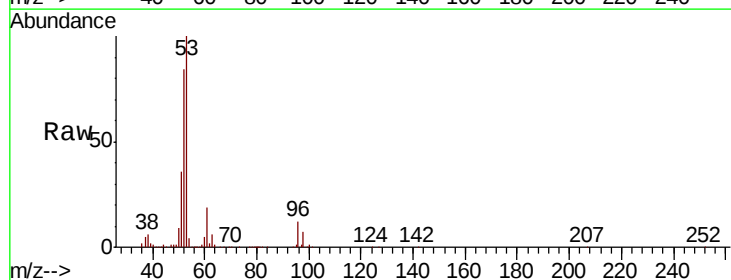
Manual Integrations
APPROVED

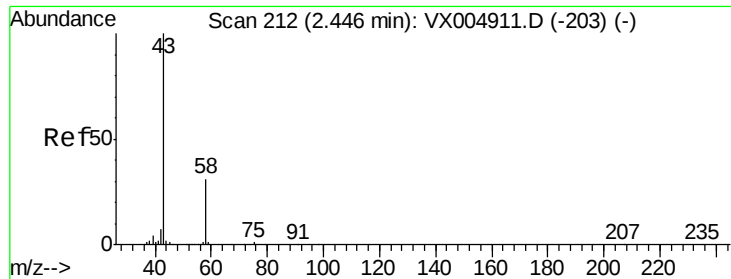
MMDadoda
10/3/2018 4:23:05 PM



#14
Acrylonitrile
Concen: 99.265 ug/l
RT: 3.15 min Scan# 327
Delta R.T. 0.00 min
Lab File: VX004911.D
Acq: 02 Oct 2018 10:31

Tgt Ion	Ratio	Lower	Upper
53	100		
52	83.1	41.5	124.6
51	36.0	18.0	54.0





#15

Acetone

Concen: 108.306 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 58 Resp: 86235

Ion Ratio Lower Upper

58 100

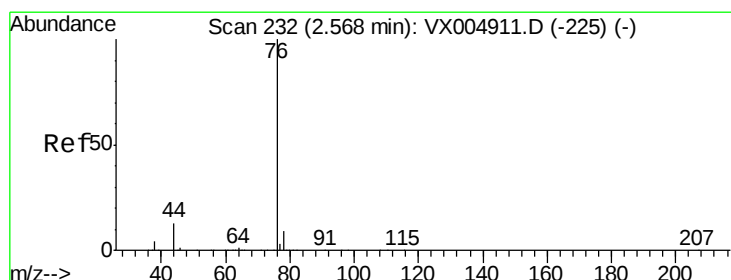
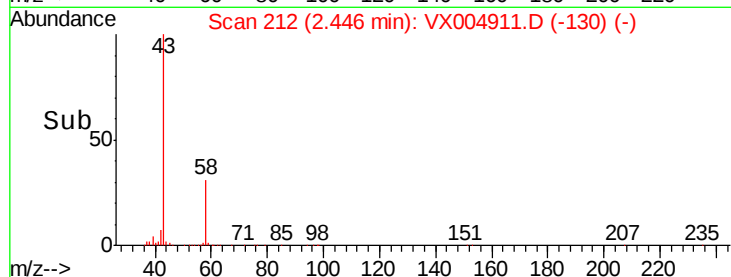
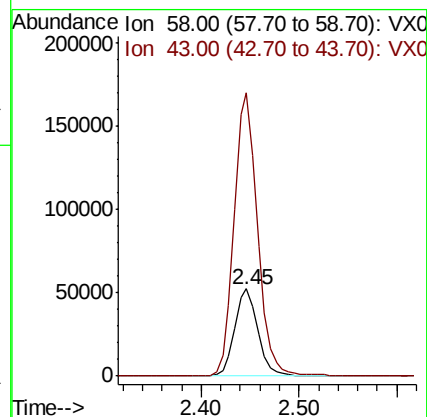
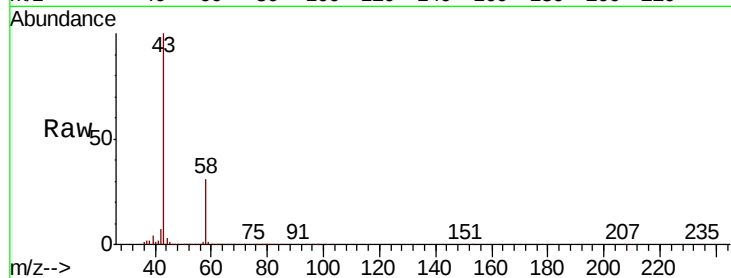
43 323.3 258.6 388.0

Manual Integrations

APPROVED

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#16

Carbon Disulfide

Concen: 19.585 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX004911.D

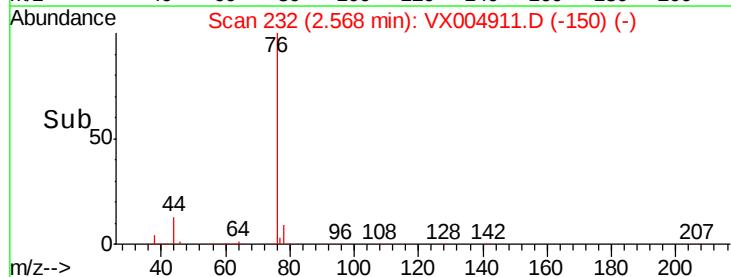
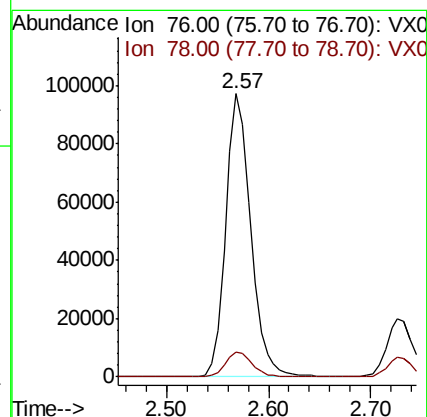
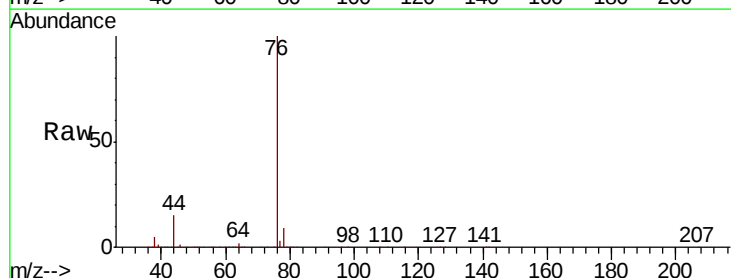
Acq: 02 Oct 2018 10:31

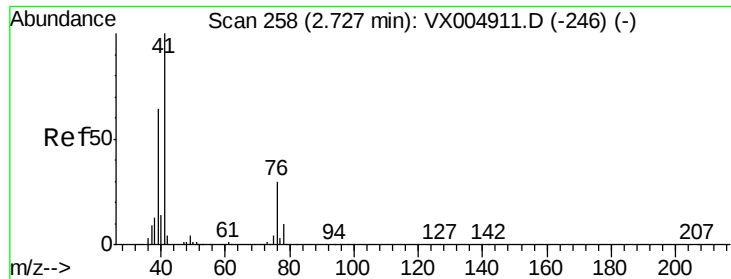
Tgt Ion: 76 Resp: 166040

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7





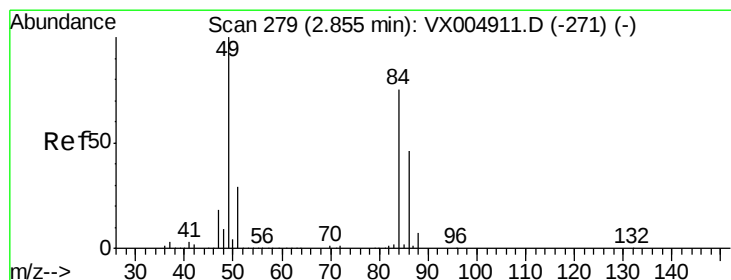
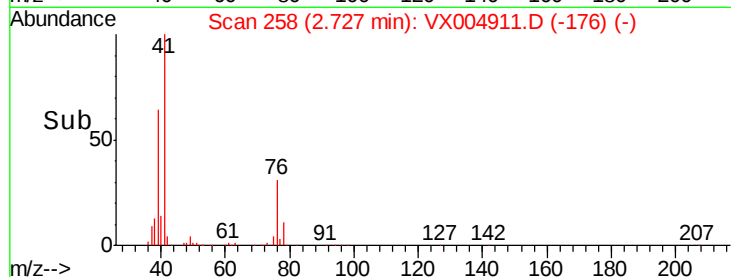
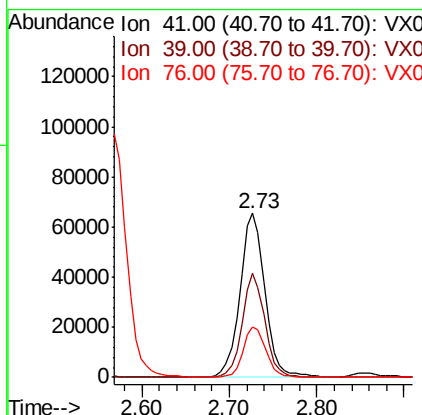
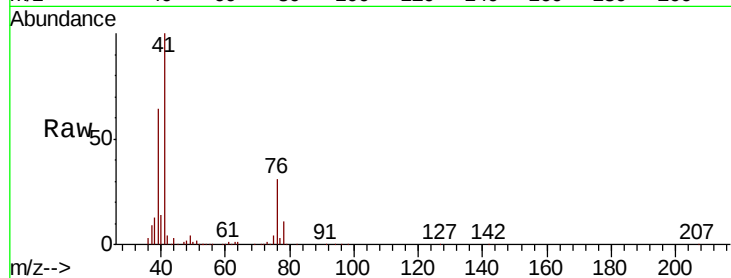
#17
Allvl chloride
Concen: 20.015 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX004911.D
Acq: 02 Oct 2018 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	63.6	31.8	95.4
76	30.5	15.3	45.8

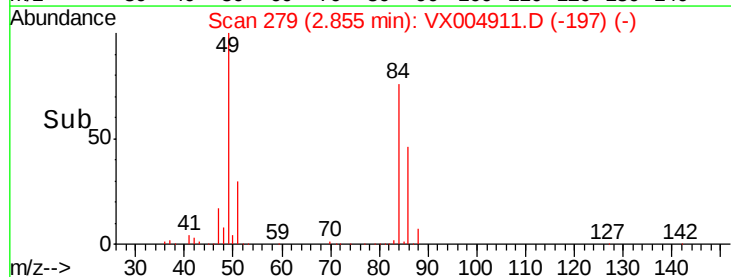
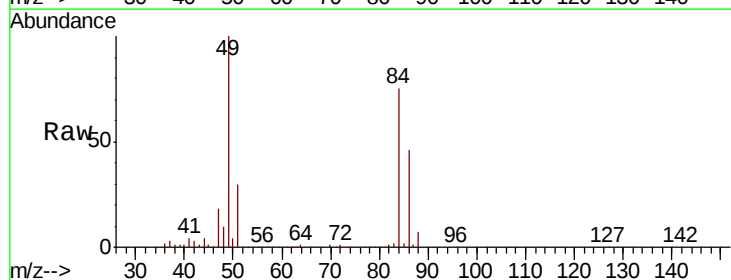
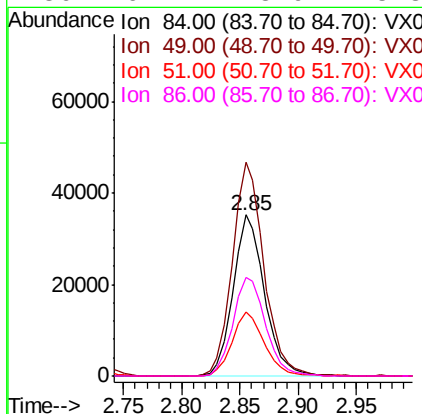
Manual Integrations
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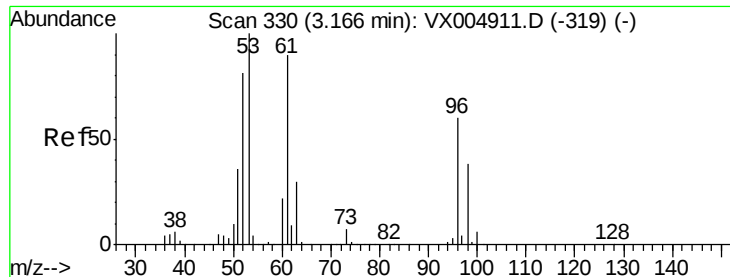
MMDadoda
10/3/2018 4:23:05 PM



#18
Methylene Chloride
Concen: 19.617 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004911.D
Acq: 02 Oct 2018 10:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	132.8	106.2	159.4
51	39.1	31.3	46.9
86	61.1	48.9	73.3





#19

trans-1,2-Dichloroethene

Concen: 19.428 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

Instrument :

MSVOA_X

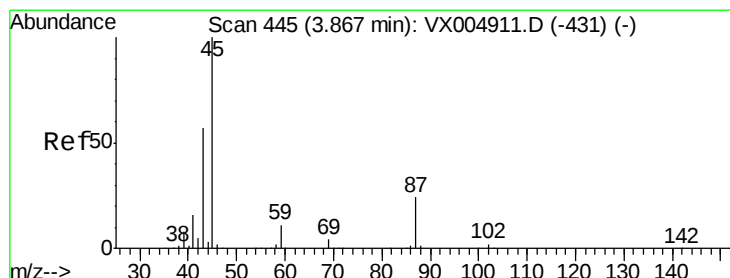
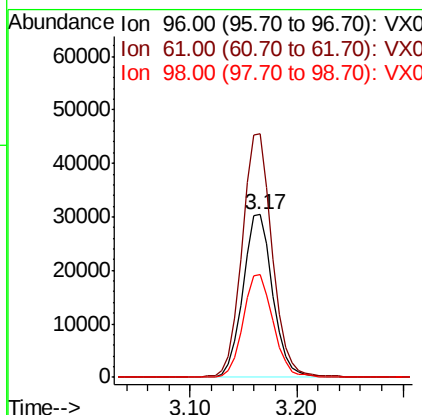
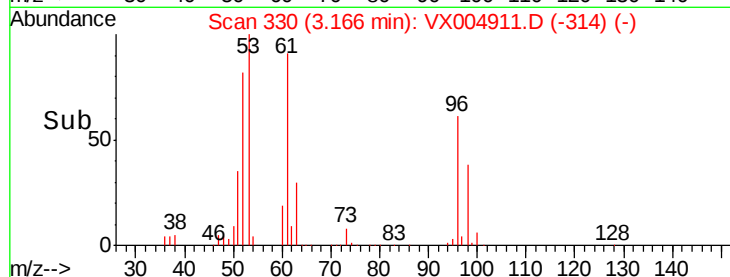
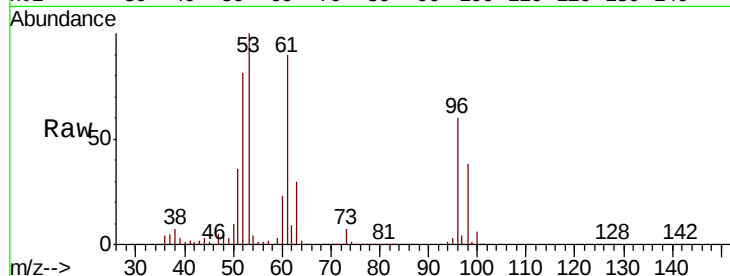
ClientSampleId :

VSTDICCC020

Tot Ion:	96	Resp:	59997
Ion	Ratio	Lower	Upper
96	100		
61	149.4	119.5	179.3
98	63.2	50.6	75.8

Manual Integrations
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#20

Diisopropyl ether

Concen: 19.136 ug/l

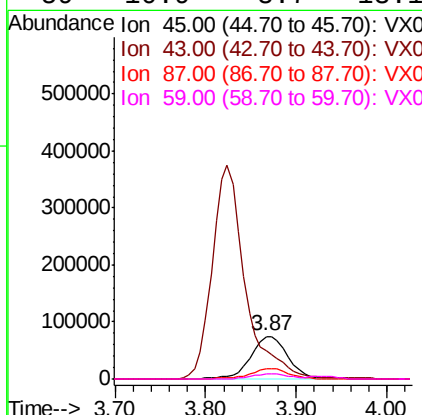
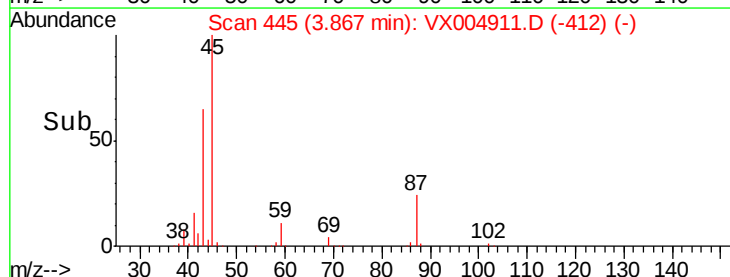
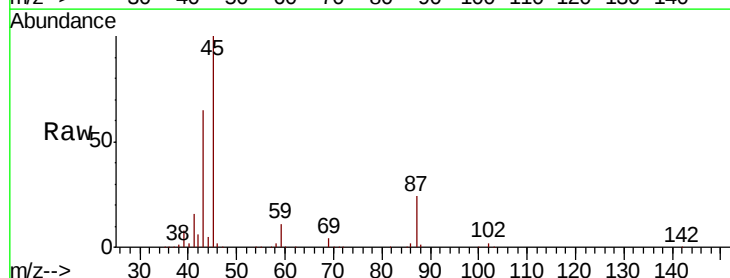
RT: 3.87 min Scan# 445

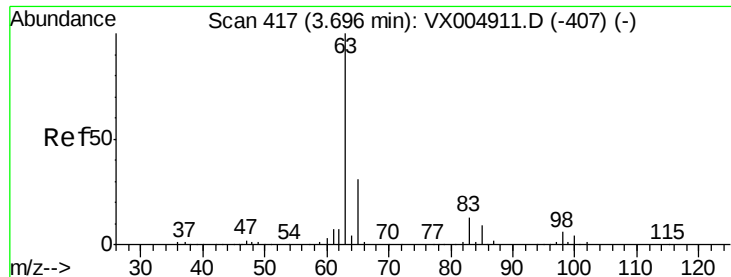
Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

Tgt Ion:	45	Resp:	209718
Ion	Ratio	Lower	Upper
45	100		
43	62.3	49.8	74.8
87	23.9	19.1	28.7
59	10.9	8.7	13.1





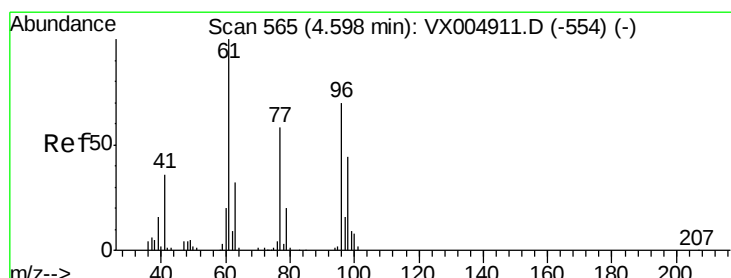
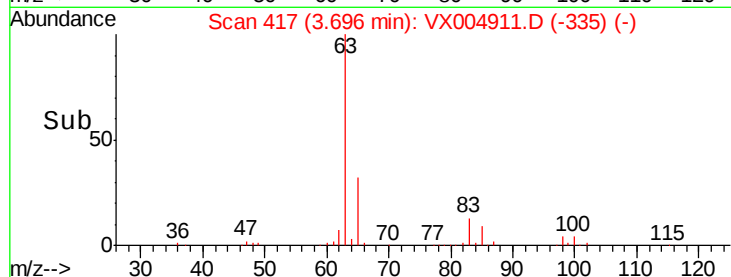
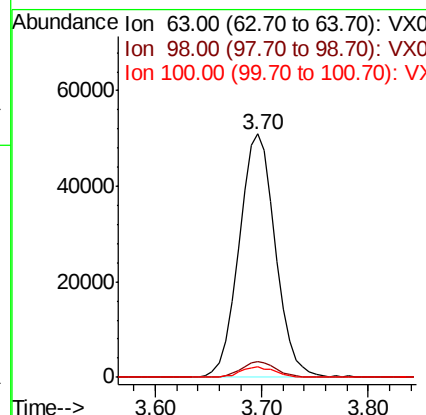
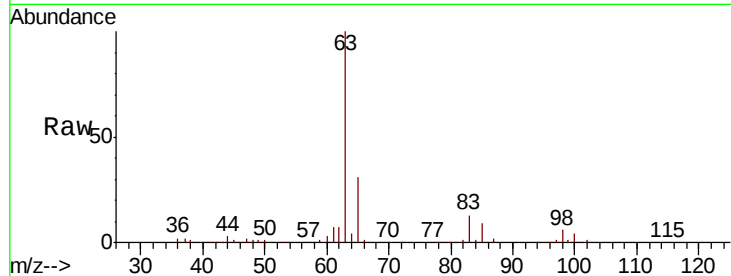
#21
1,1-Dichloroethane
Concen: 20.037 ug/l
RT: 3.70 min Scan# 417
Delta R.T. 0.00 min
Lab File: VX004911.D
Acq: 02 Oct 2018 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.2	9.6
100	4.3	2.1	6.5

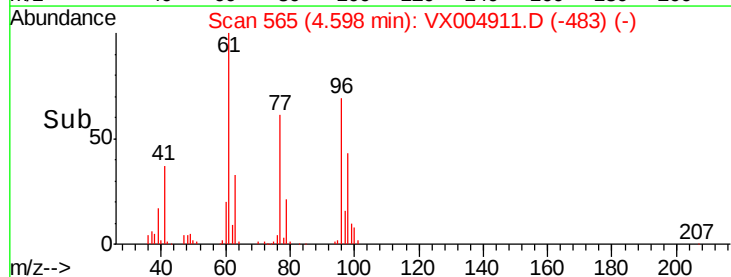
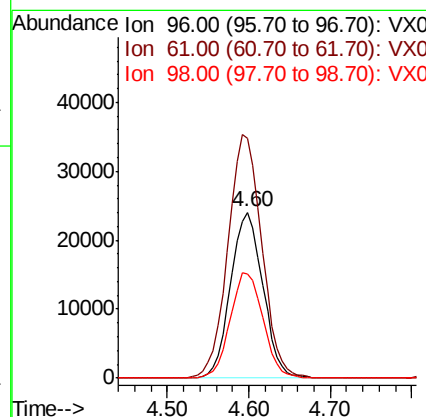
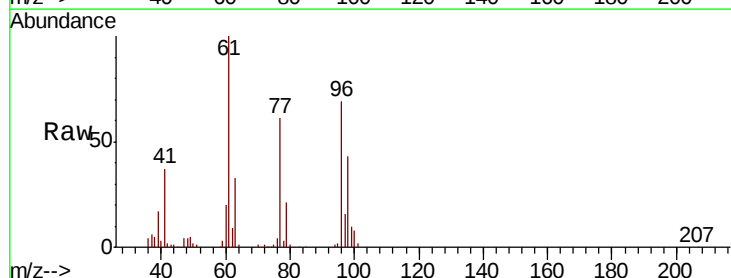
Manual Integrations
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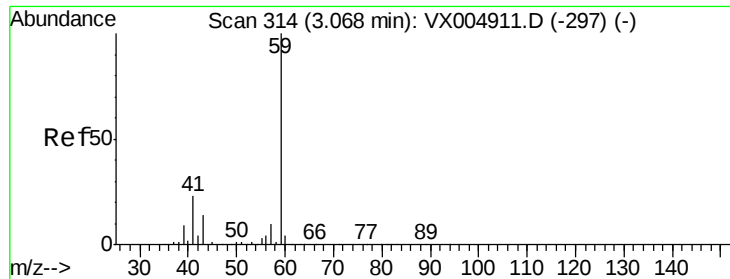
MMDadoda
10/3/2018 4:23:05 PM



#22
cis-1,2-Dichloroethene
Concen: 19.316 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX004911.D
Acq: 02 Oct 2018 10:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.1	123.3	184.9
98	64.2	51.4	77.0





#23

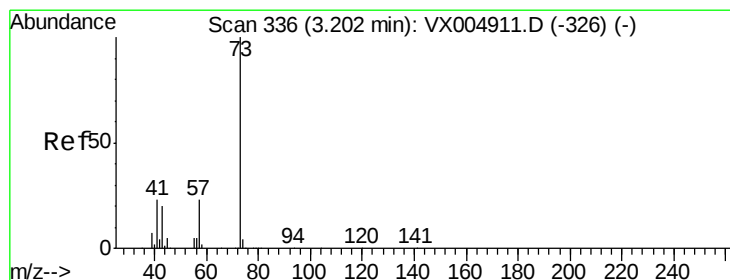
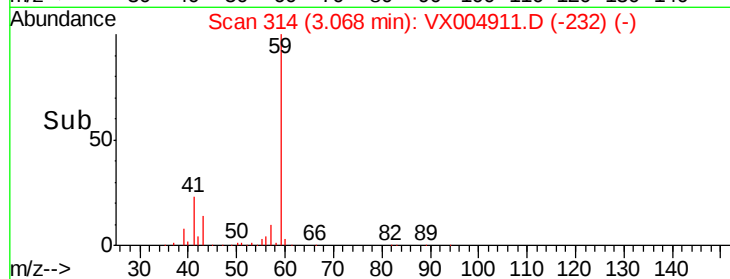
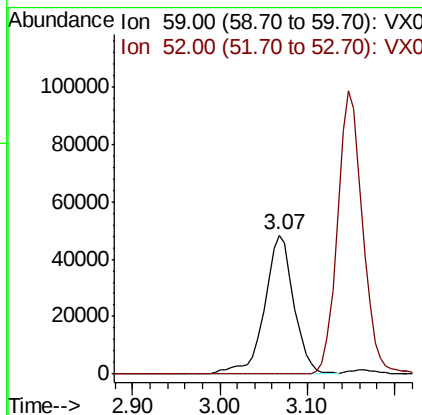
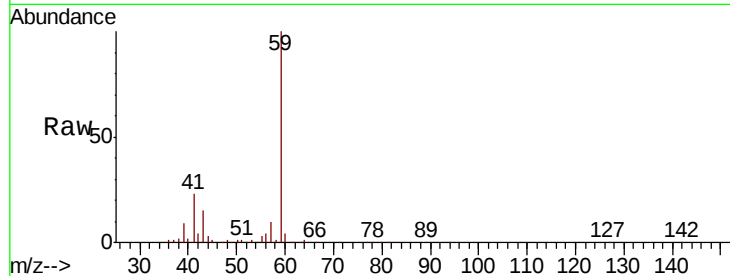
tert-Butyl Alcohol
 Concen: 103.316 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. 0.00 min
 Lab File: VX004911.D
 Acq: 02 Oct 2018 10:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	59	52
Resp: 113615	100	0.1
Ratio		
Lower	0.1	0.1
Upper	0.1	0.1

Manual Integrations
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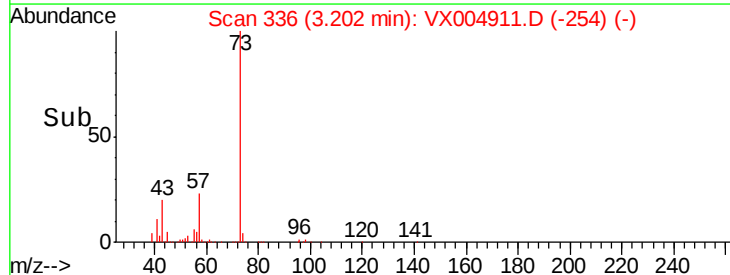
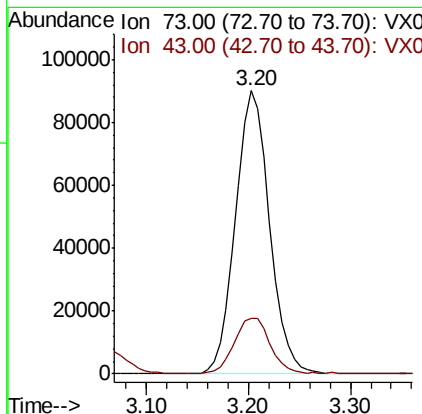
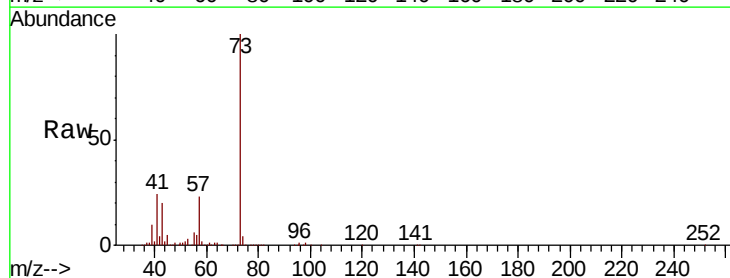
MMDadoda
 10/3/2018 4:23:05 PM

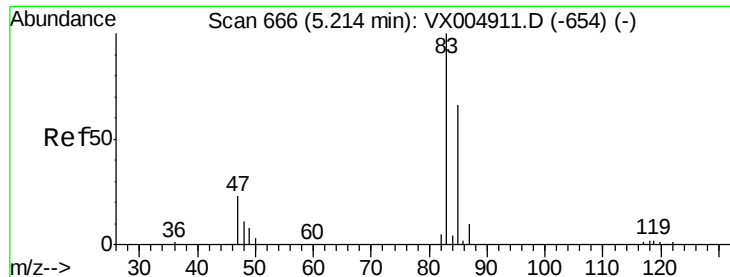


#24

Methyl tert-Butyl Ether
 Concen: 19.663 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VX004911.D
 Acq: 02 Oct 2018 10:31

Tgt Ion	73	43
Resp: 208870	100	20.4
Ratio		
Lower	16.3	16.3
Upper	24.5	24.5





#25

Chloroform

Concen: 19.387 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 83 Resp: 110175

Ion Ratio Lower Upper

83 100

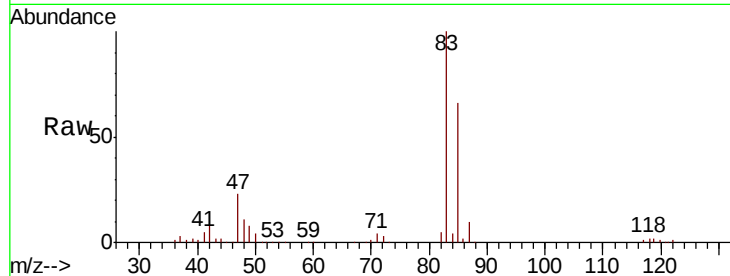
85 66.4 53.1 79.7

Manual Integrations

APPROVED

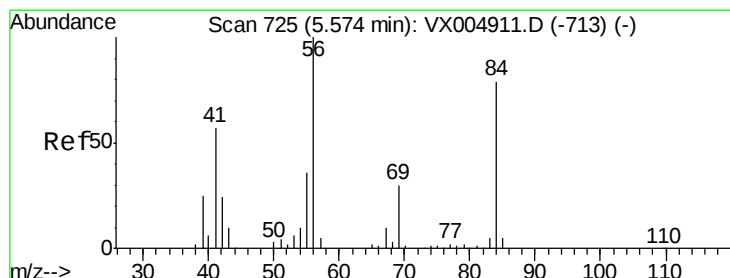
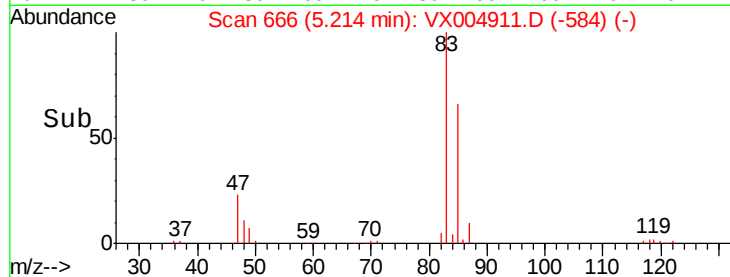
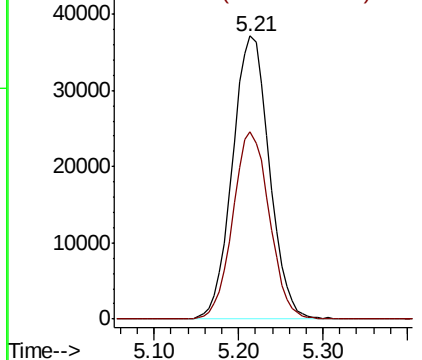
MMDadoda

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Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 19.498 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

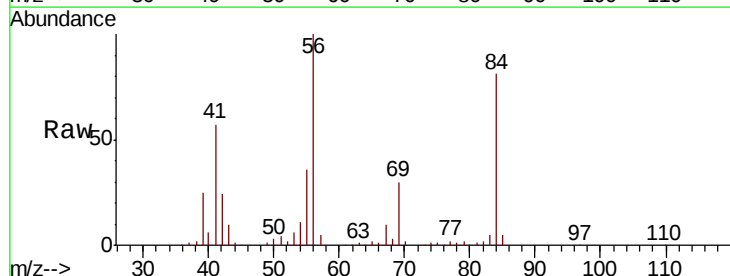
Tgt Ion: 56 Resp: 101040

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

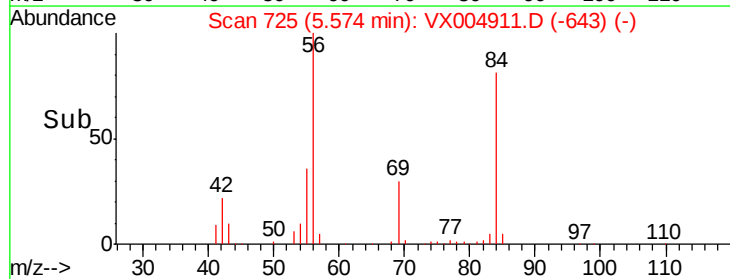
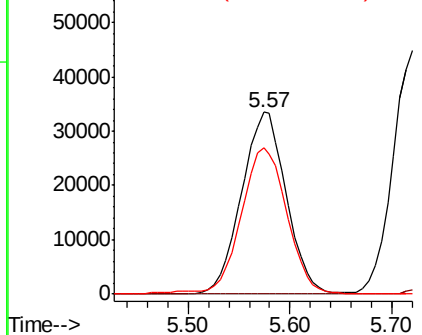
84 82.2 65.8 98.6

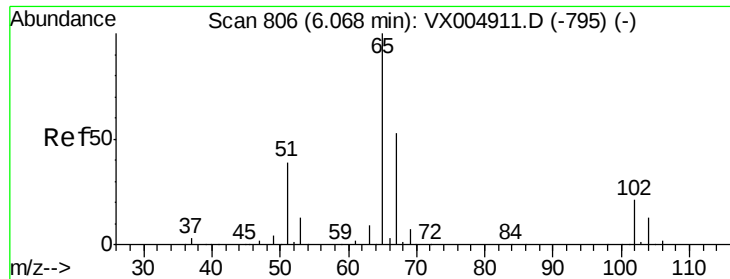


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





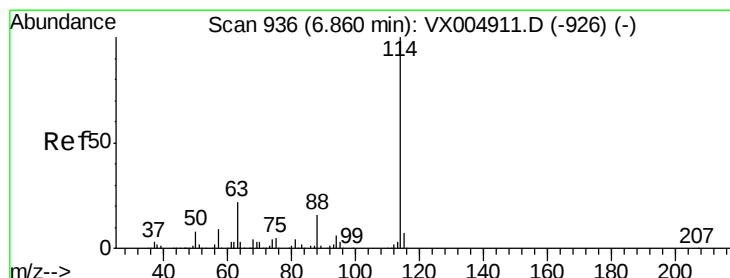
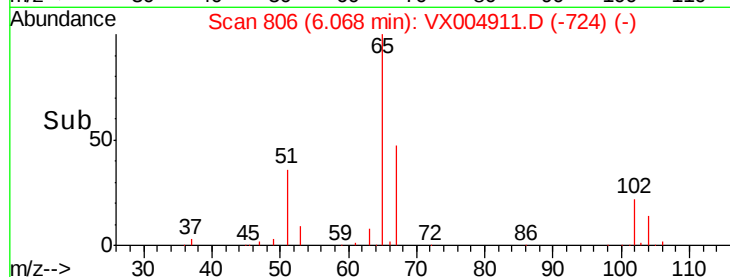
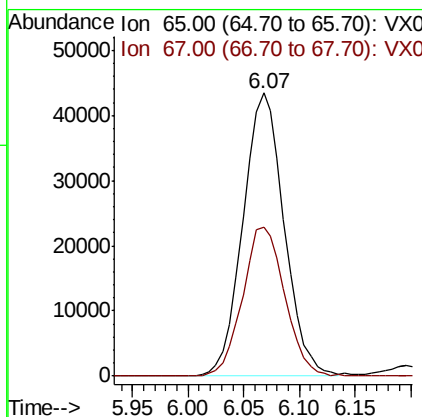
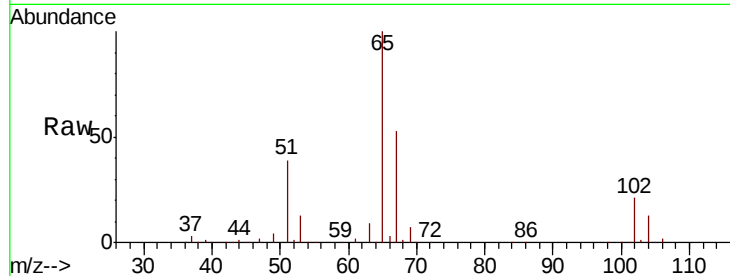
#27
 1,2-Dichloroethane-d4
 Concen: 29.119 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX004911.D
 Acq: 02 Oct 2018 10:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.8	43.0	64.6

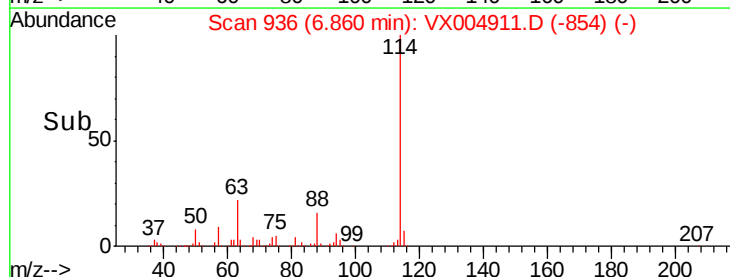
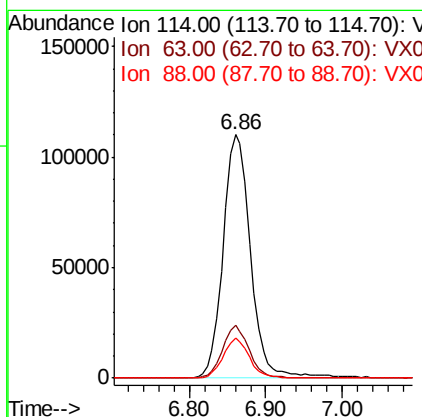
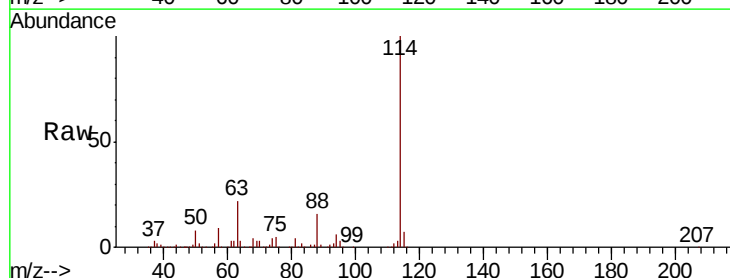
Manual Integrations
 APPROVED

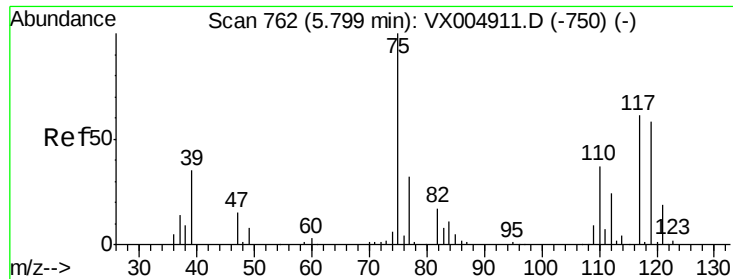
MMDadoda
 10/3/2018 4:23:05 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004911.D
 Acq: 02 Oct 2018 10:31

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.7	16.6	24.8
88	15.5	12.4	18.6





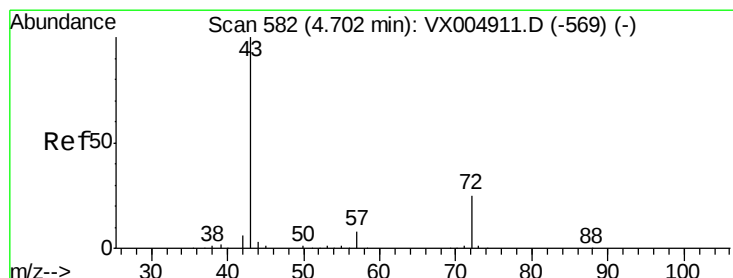
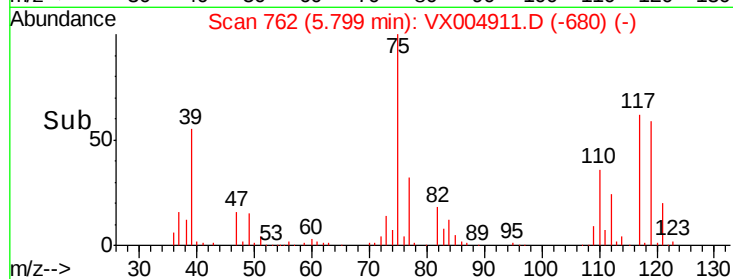
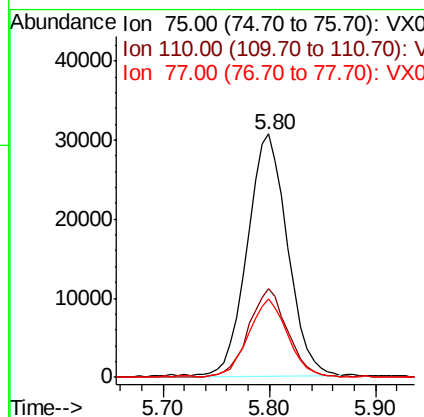
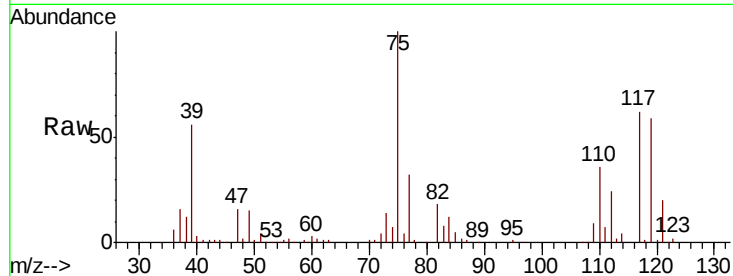
#29
 1,1-Dichloropropene
 Concen: 20.062 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX004911.D
 Acq: 02 Oct 2018 10:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
110	35.4	0.0	70.8
77	31.5	0.0	63.0

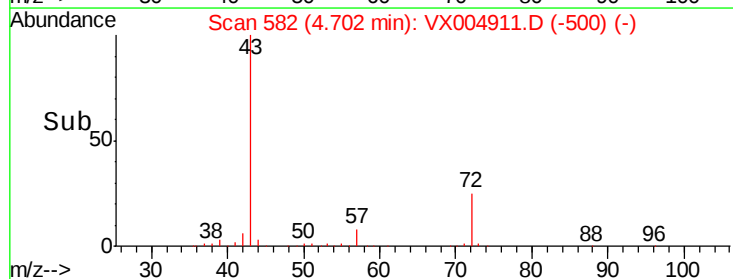
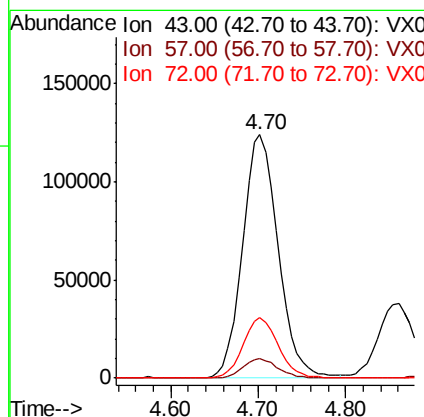
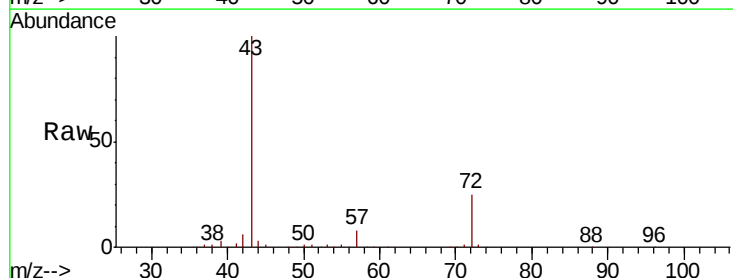
Manual Integrations
 APPROVED

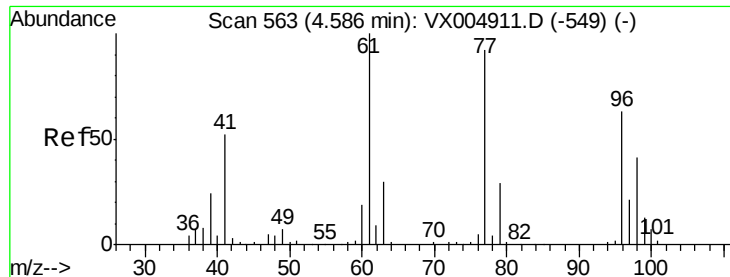
MMDadoda
 10/3/2018 4:23:05 PM



#30
 2-Butanone
 Concen: 106.503 ug/l
 RT: 4.70 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VX004911.D
 Acq: 02 Oct 2018 10:31

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.8	6.2	9.4
72	24.6	19.7	29.5





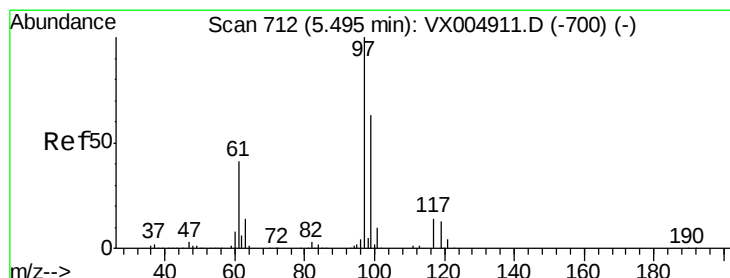
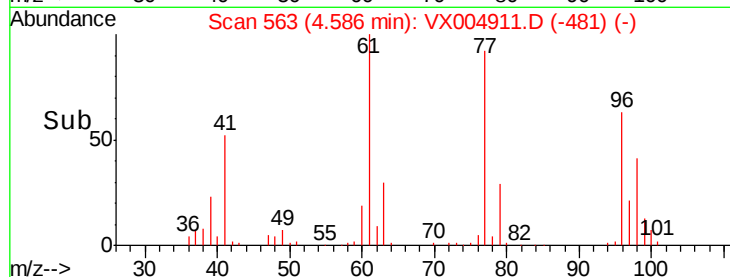
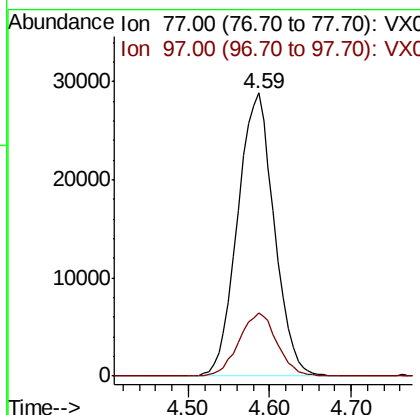
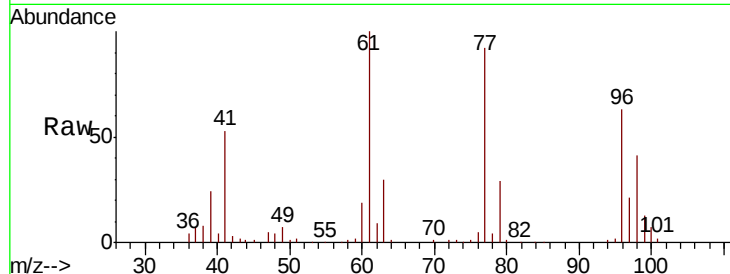
#31
 2,2-Dichloropropane
 Concen: 20.256 ug/l
 RT: 4.59 min Scan# 563
 Delta R.T. 0.00 min
 Lab File: VX004911.D
 Acq: 02 Oct 2018 10:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion: 77 Resp: 89753
 Ion Ratio Lower Upper
 77 100
 97 23.1 18.5 27.7

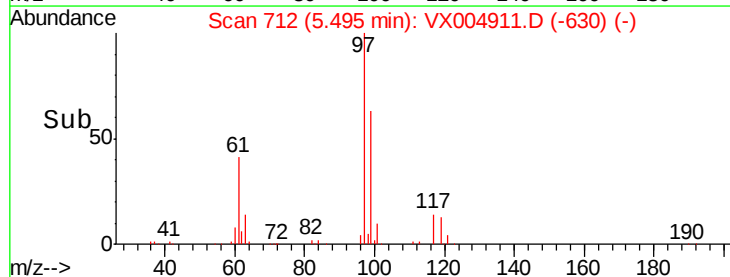
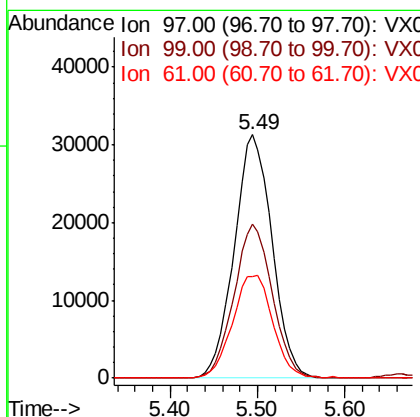
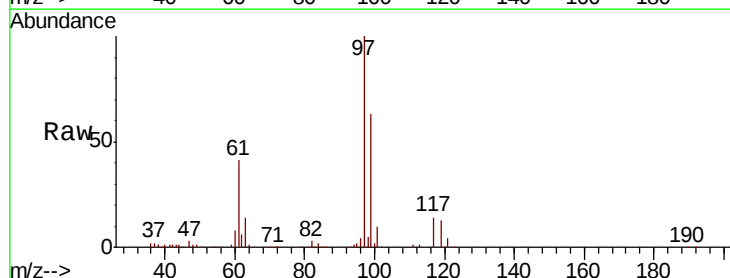
Manual Integrations
 APPROVED

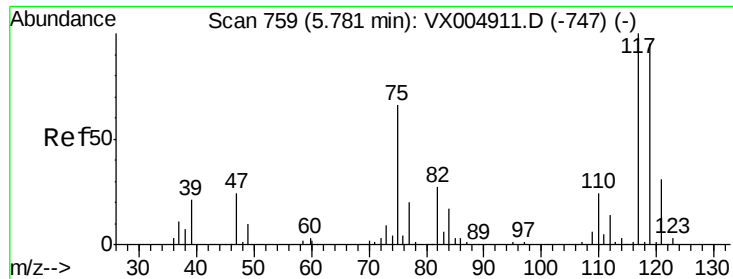
MMDadoda
 10/3/2018 4:23:05 PM



#32
 1,1,1-Trichloroethane
 Concen: 20.312 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX004911.D
 Acq: 02 Oct 2018 10:31

Tgt Ion: 97 Resp: 94295
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.0 76.6
 61 44.7 35.8 53.6





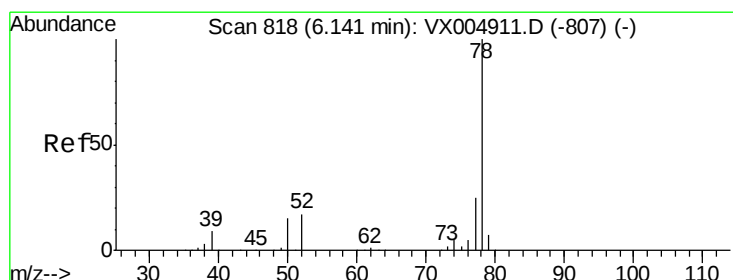
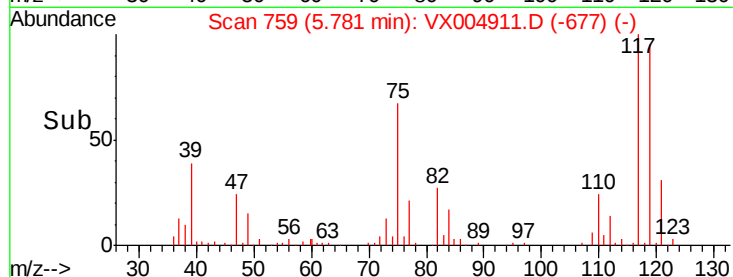
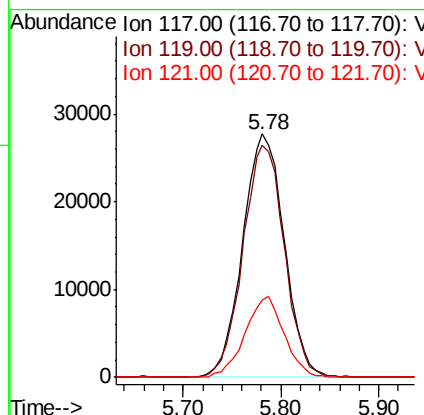
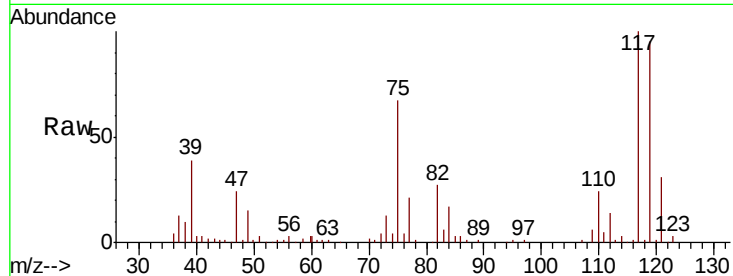
#33
Carbon Tetrachloride
Concen: 20.141 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX004911.D
Acq: 02 Oct 2018 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.2	114.4
121	31.5	25.2	37.8

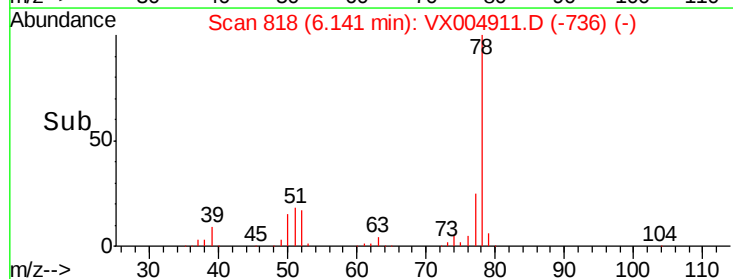
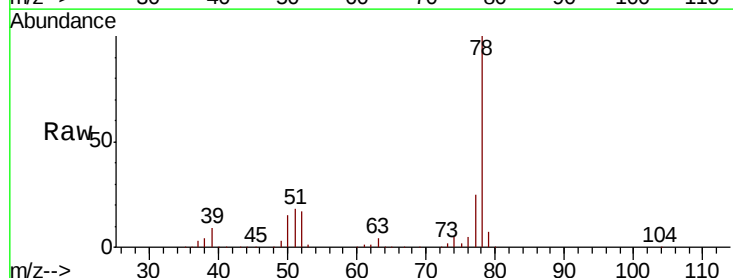
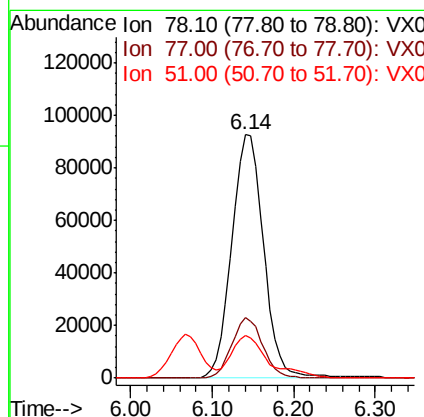
Manual Integrations
APPROVED

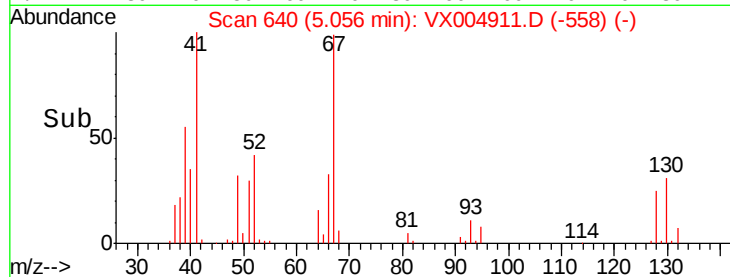
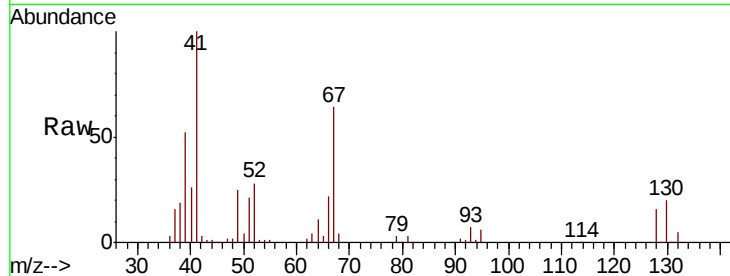
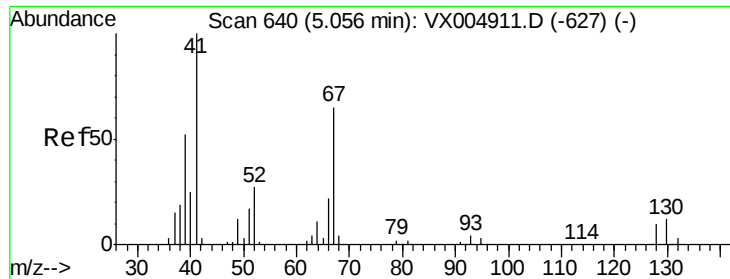
MMDadoda
10/3/2018 4:23:05 PM



#34
Benzene
Concen: 20.432 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX004911.D
Acq: 02 Oct 2018 10:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.8	29.8
51	17.2	13.8	20.6





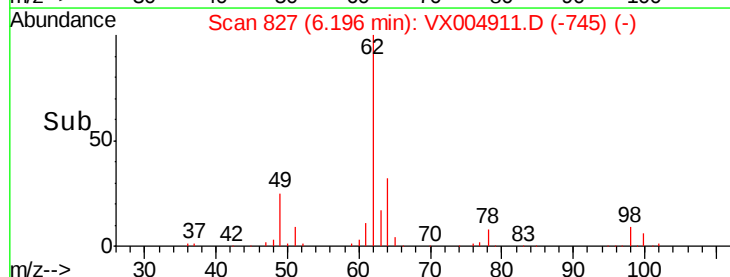
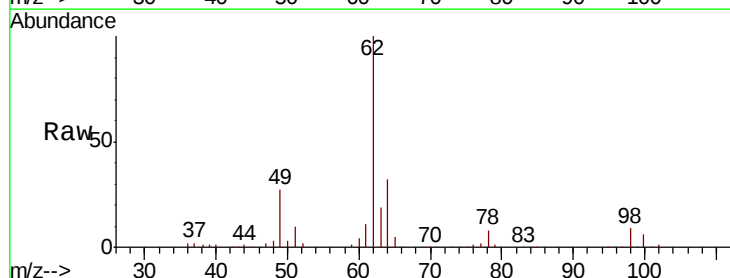
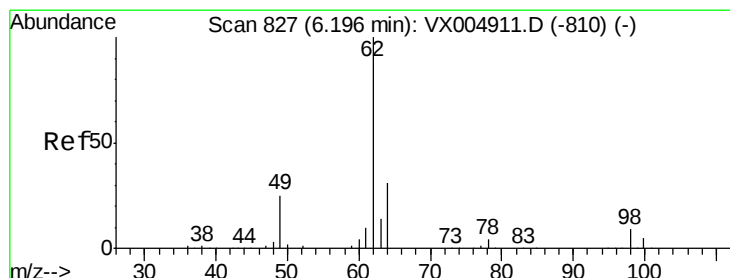
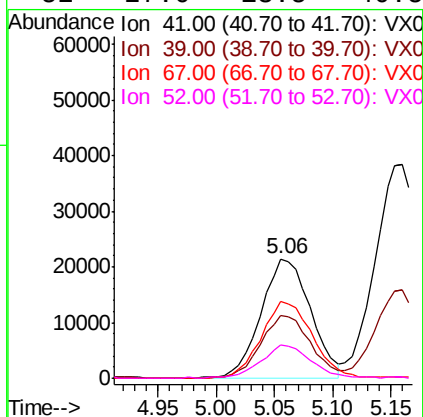
#35
Methacrylonitrile
Concen: 20.624 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.00 min
Lab File: VX004911.D
Acq: 02 Oct 2018 10:31

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.2	26.1	78.3	
67	64.6	32.3	96.9	
52	27.0	13.5	40.5	

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

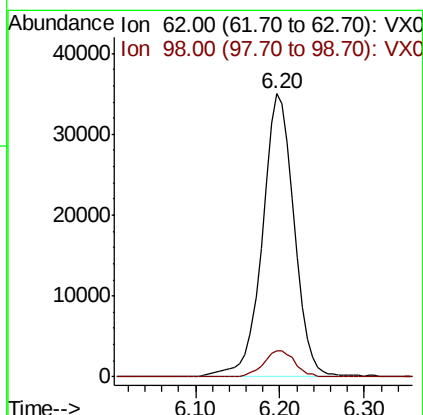
Manual Integrations
APPROVED

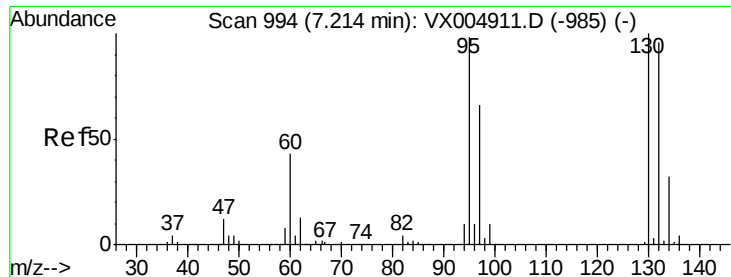
MMDadoda
10/3/2018 4:23:05 PM



#36
1,2-Dichloroethane
Concen: 20.613 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX004911.D
Acq: 02 Oct 2018 10:31

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.4	7.5	11.3	





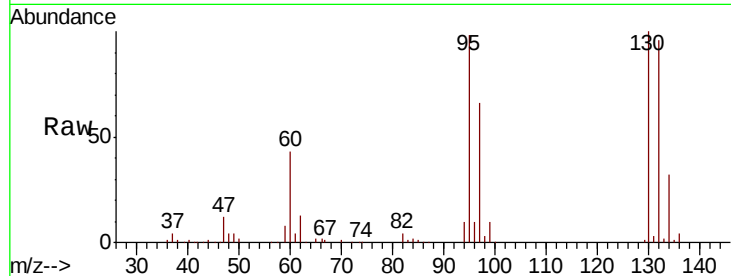
#37
 Trichloroethene
 Concen: 20.074 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX004911.D
 Acq: 02 Oct 2018 10:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

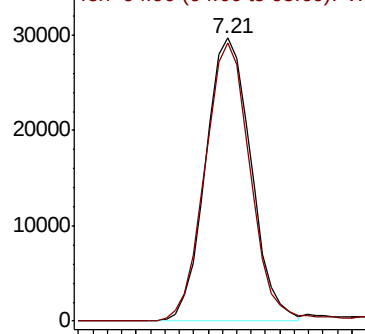
Tot Ion:130 Resp: 64803
 Ion Ratio Lower Upper
 130 100
 95 98.1 78.5 117.7

Manual Integrations
 APPROVED

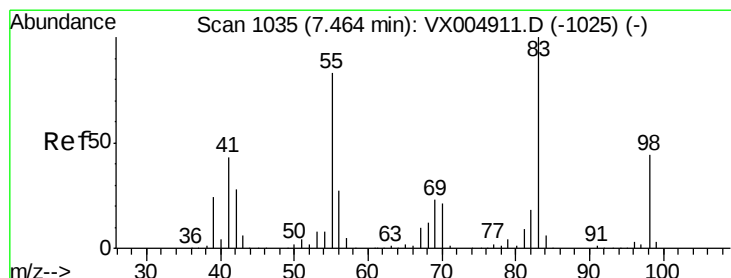
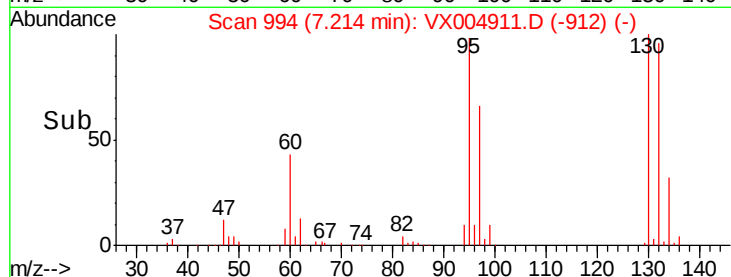
MMDadoda
 10/3/2018 4:23:05 PM



Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

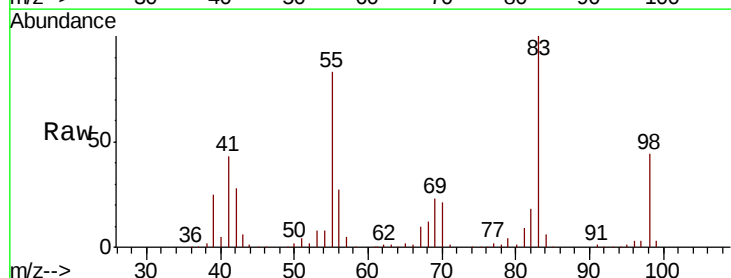


Time-->

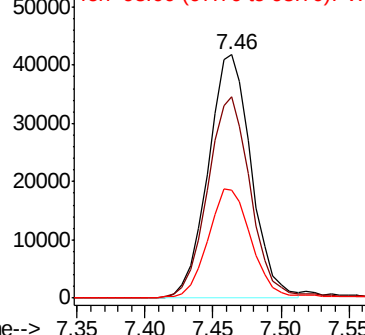


#38
 Methylcyclohexane
 Concen: 19.329 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: VX004911.D
 Acq: 02 Oct 2018 10:31

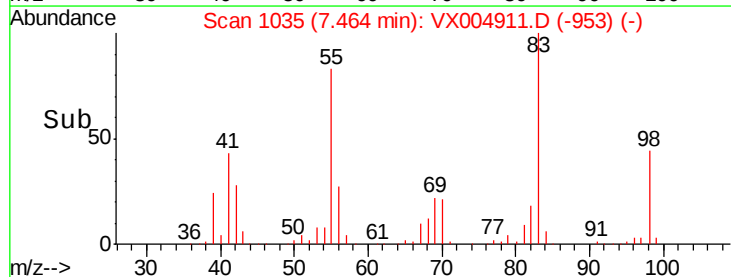
Tgt Ion: 83 Resp: 92680
 Ion Ratio Lower Upper
 83 100
 55 83.5 41.8 125.3
 98 44.9 22.4 67.3

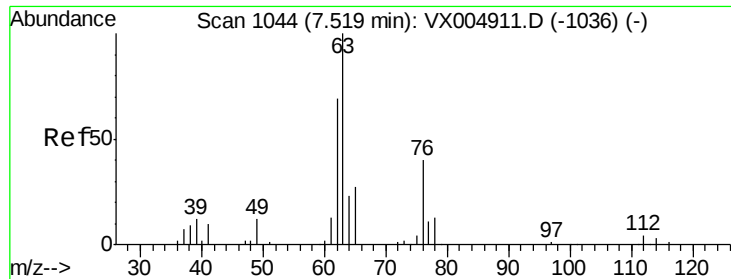


Abundance Ion 83.00 (82.70 to 83.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0



Time-->





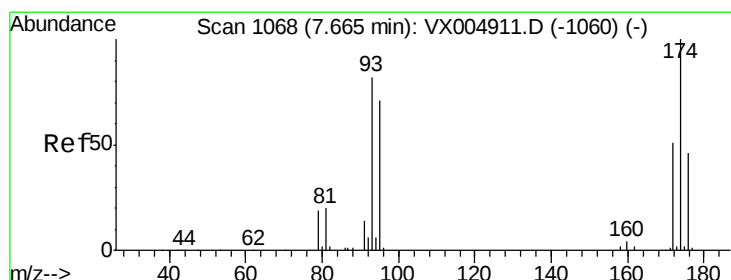
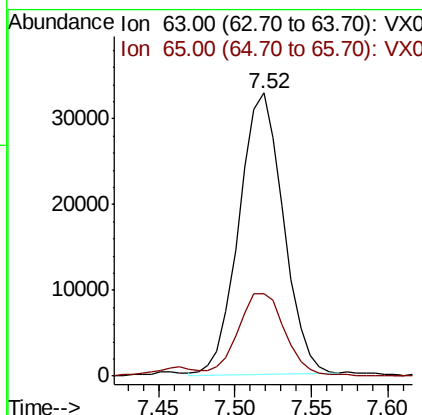
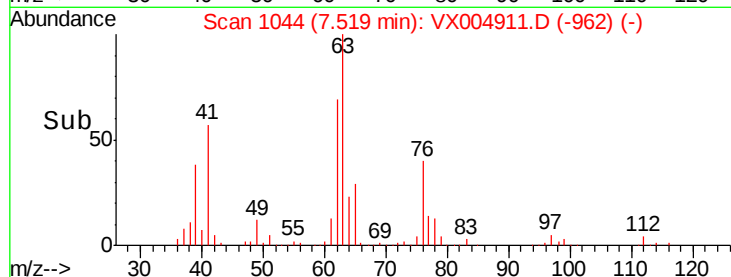
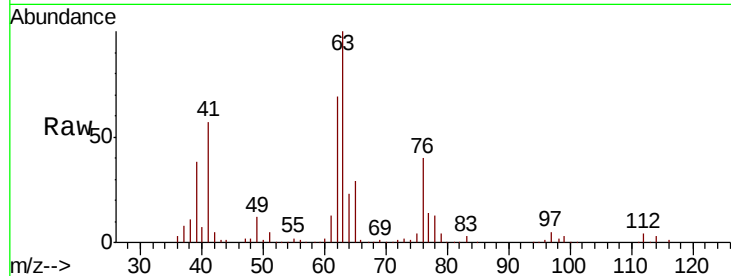
#39
 1,2-Dichloropropane
 Concen: 20.203 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX004911.D
 Acq: 02 Oct 2018 10:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion: 63 Resp: 65971
 Ion Ratio Lower Upper
 63 100
 65 29.0 23.2 34.8

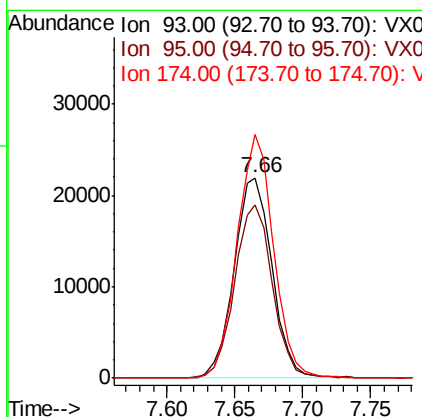
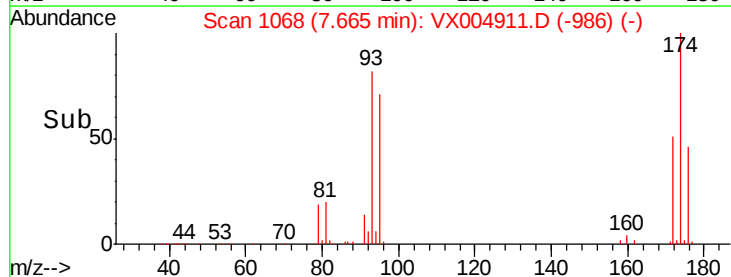
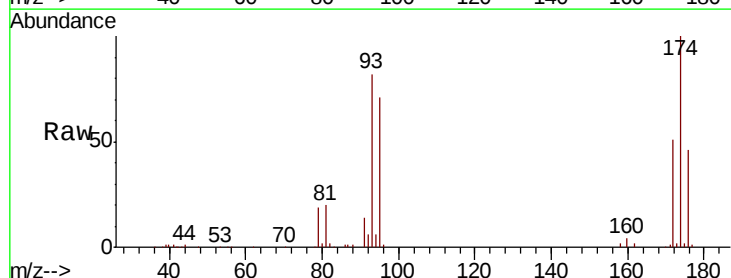
Manual Integrations
 APPROVED

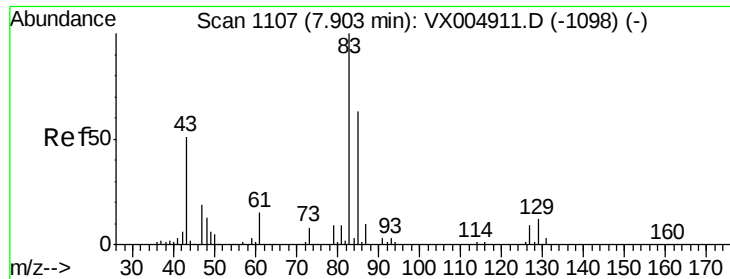
MMDadoda
 10/3/2018 4:23:05 PM



#40
 Dibromomethane
 Concen: 20.155 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX004911.D
 Acq: 02 Oct 2018 10:31

Tgt Ion: 93 Resp: 42656
 Ion Ratio Lower Upper
 93 100
 95 86.2 0.0 172.4
 174 117.0 0.0 234.0





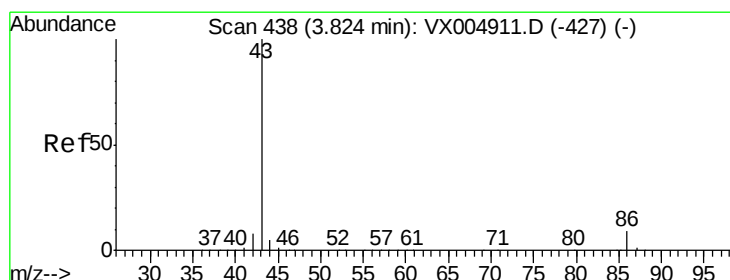
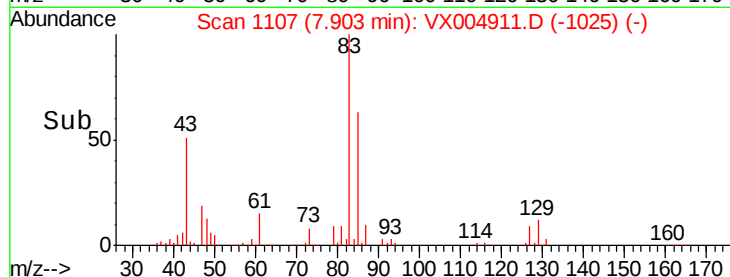
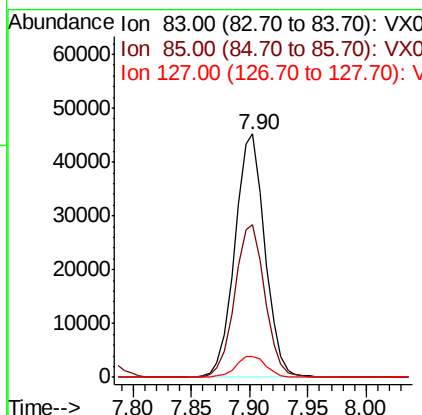
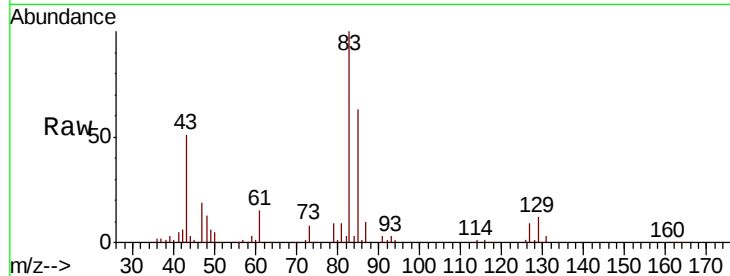
#41
Bromodichloromethane
Concen: 19.973 ug/l
RT: 7.90 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VX004911.D
Acq: 02 Oct 2018 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	83	Resp	81492
Ion Ratio	100	Lower	Upper
83	100		
85	62.8	50.2	75.4
127	8.6	6.9	10.3

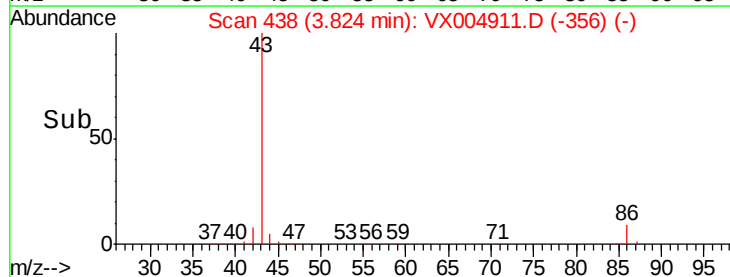
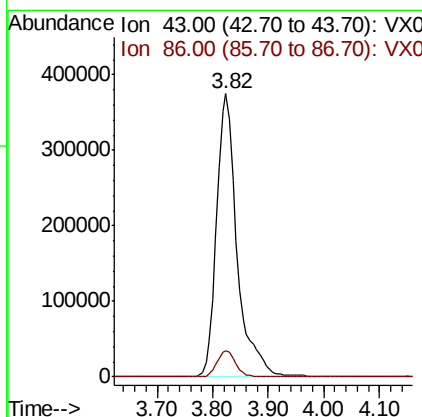
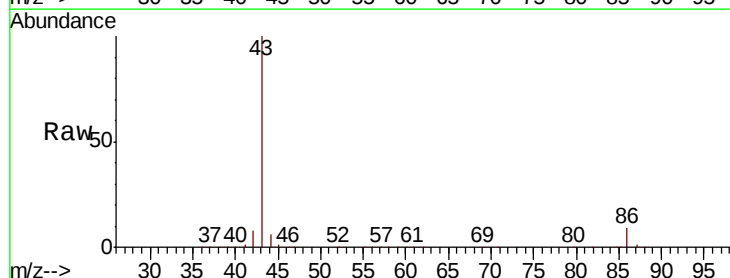
Manual Integrations
APPROVED

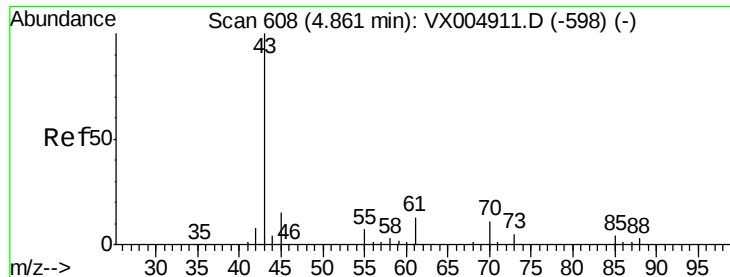
MMDadoda
10/3/2018 4:23:05 PM



#42
Vinyl Acetate
Concen: 101.321 ug/l
RT: 3.82 min Scan# 438
Delta R.T. 0.00 min
Lab File: VX004911.D
Acq: 02 Oct 2018 10:31

Tgt Ion	43	Resp	962491
Ion Ratio	100	Lower	Upper
43	100		
86	8.3	6.6	10.0





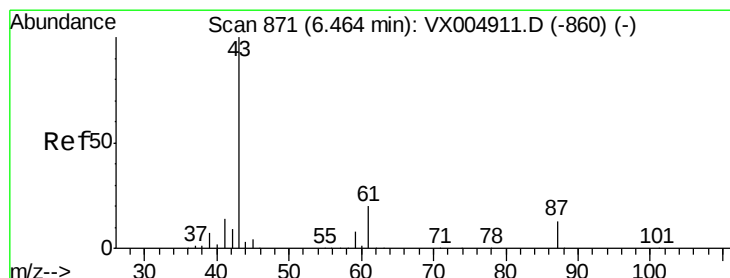
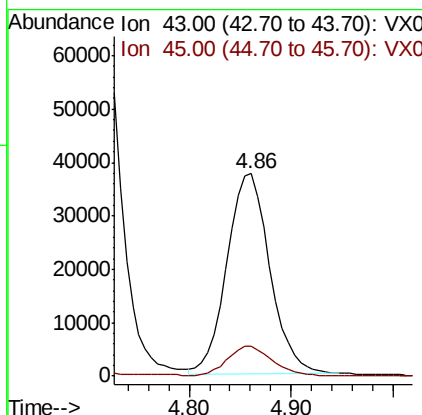
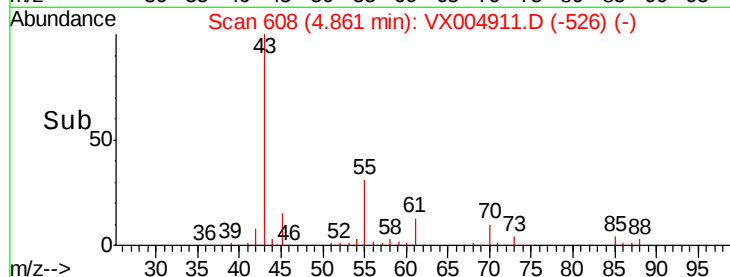
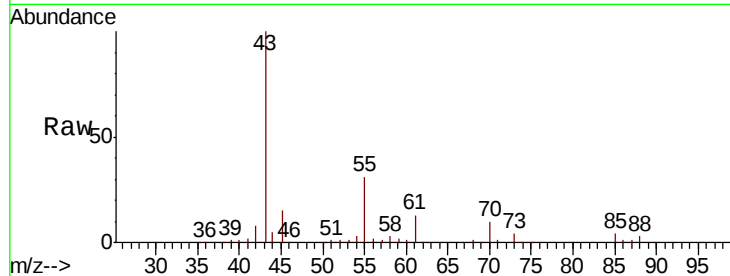
#43
Ethyl Acetate
Concen: 20.249 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX004911.D
Acq: 02 Oct 2018 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	43	45	Ratio	Lower	Upper
109673	100	15.4		12.3	18.5

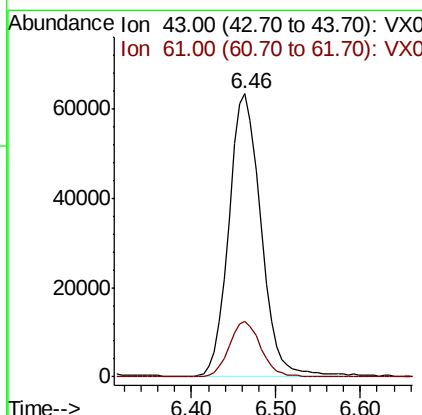
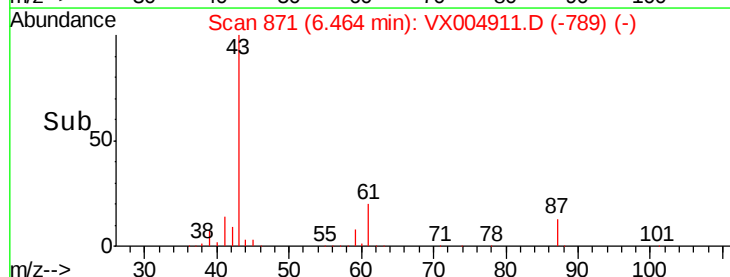
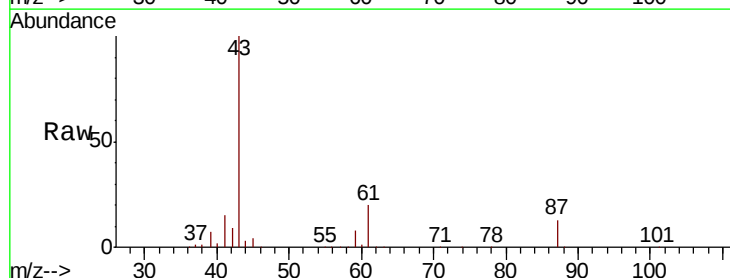
Manual Integrations
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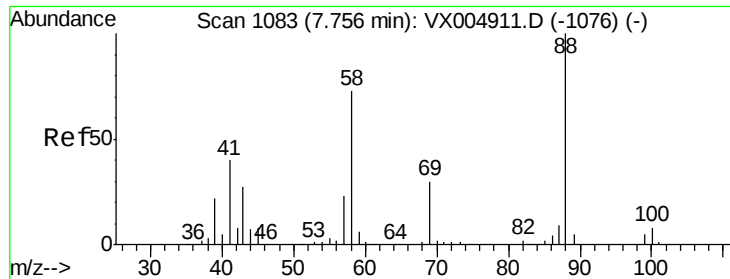
MMDadoda
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#44
Isopropyl Acetate
Concen: 20.129 ug/l
RT: 6.46 min Scan# 871
Delta R.T. 0.00 min
Lab File: VX004911.D
Acq: 02 Oct 2018 10:31

Tgt Ion	43	61	Ratio	Lower	Upper
162703	100	19.6		15.7	23.5





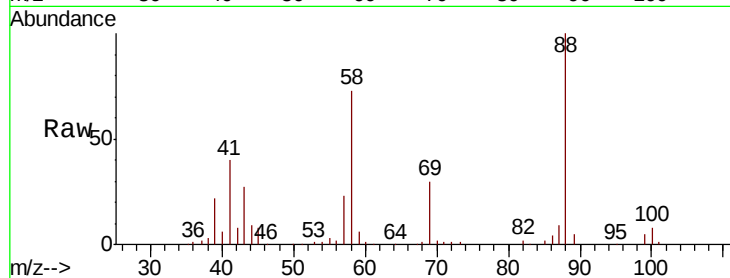
#45
1,4-Dioxane
Concen: 416.687 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX004911.D
Acq: 02 Oct 2018 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.7	25.4	38.0
58	76.3	61.0	91.6

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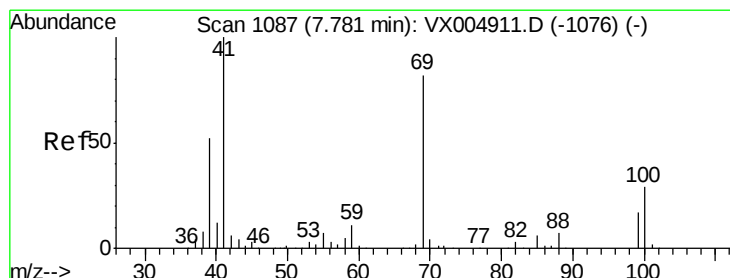
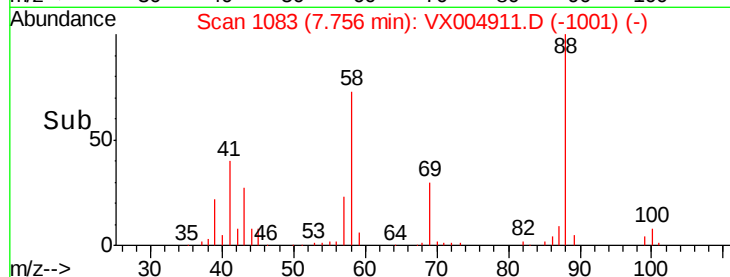
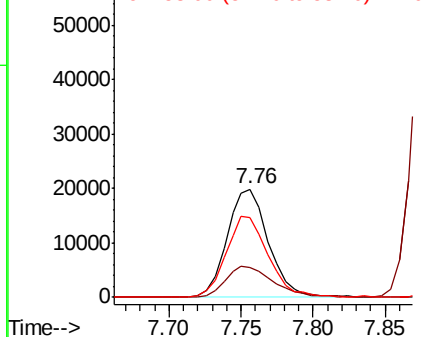


Abundance

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



#46
Methyl methacrylate
Concen: 20.121 ug/l
RT: 7.78 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX004911.D
Acq: 02 Oct 2018 10:31

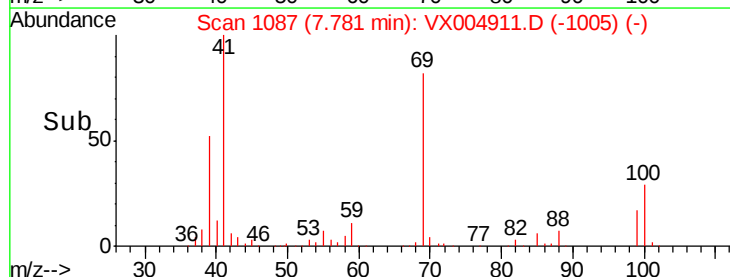
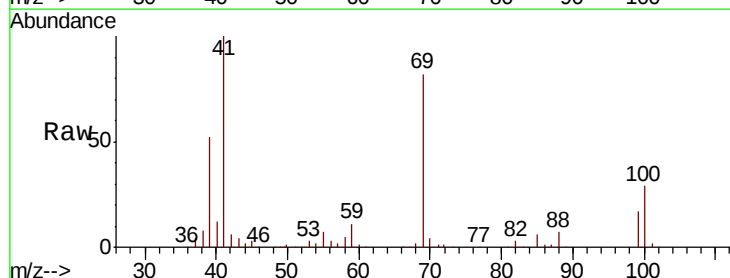
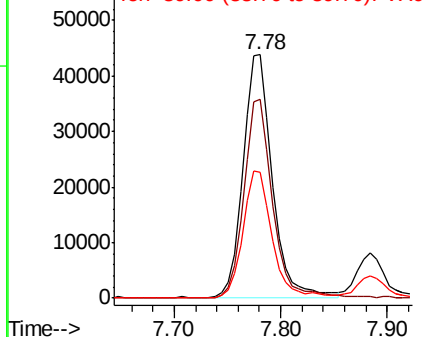
Tgt Ion	Ratio	Lower	Upper
41	100		
69	82.0	41.0	123.0
39	51.8	25.9	77.7

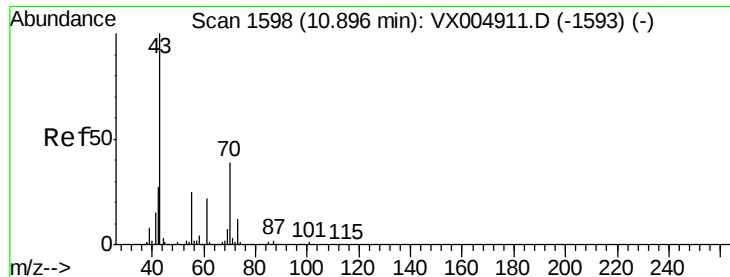
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#47

n-amvl Acetate

Concen: 18.964 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 43 Resp: 141422

Ion Ratio Lower Upper

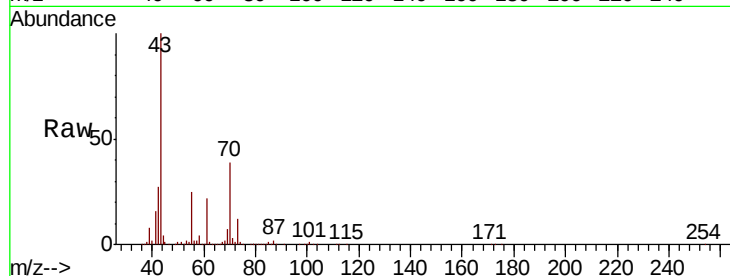
43 100

55 25.0 20.0 30.0

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

120000

100000

80000

60000

40000

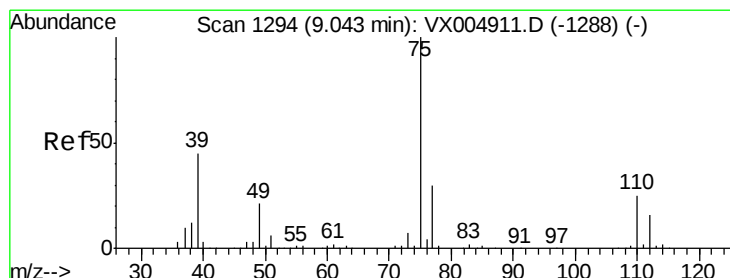
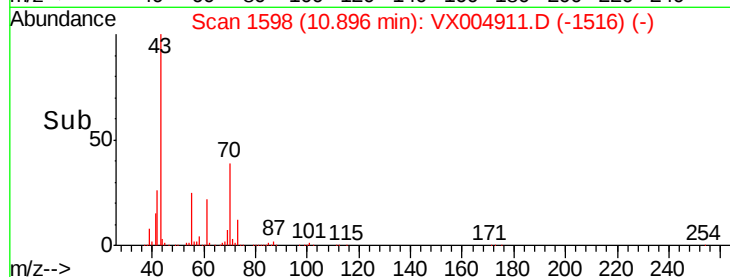
20000

0

10.90

11.00

Time-->



#48

t-1,3-Dichloropropene

Concen: 18.393 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX004911.D

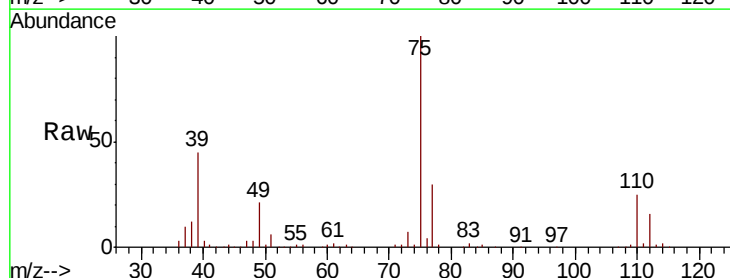
Acq: 02 Oct 2018 10:31

Tgt Ion: 75 Resp: 90939

Ion Ratio Lower Upper

75 100

77 30.5 24.4 36.6



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

60000

40000

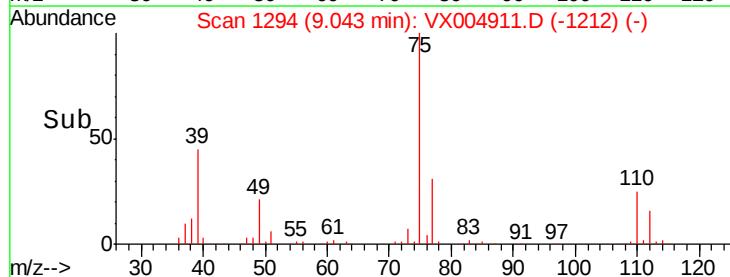
20000

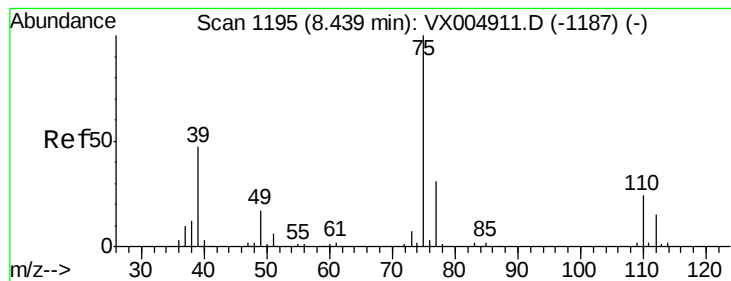
0

9.04

9.15

Time-->





#49

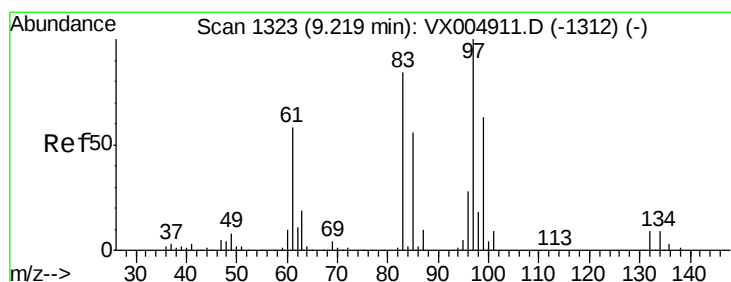
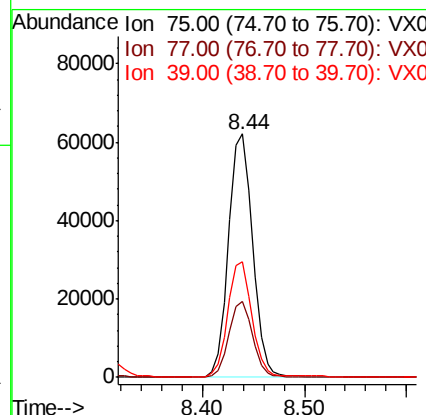
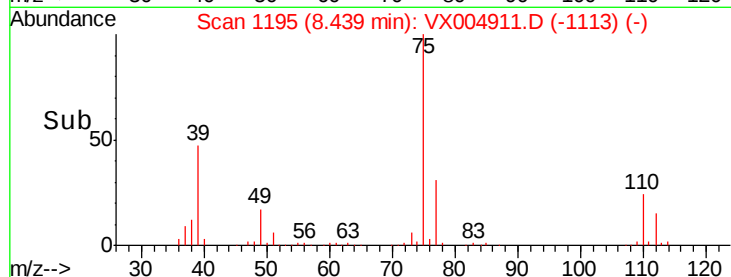
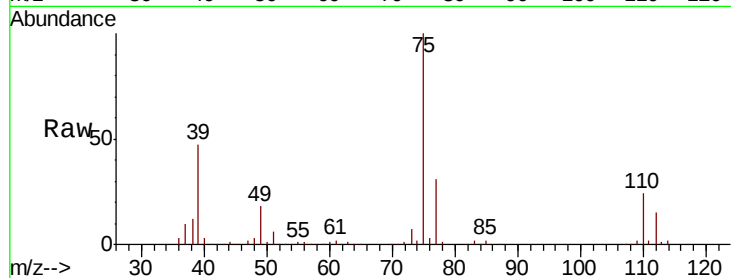
cis-1,3-Dichloropropene
 Concen: 21.432 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. 0.00 min
 Lab File: VX004911.D
 Acq: 02 Oct 2018 10:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.9	37.3
39	47.4	38.0	57.0

Manual Integrations
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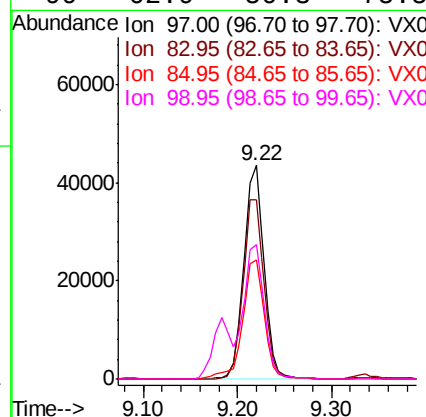
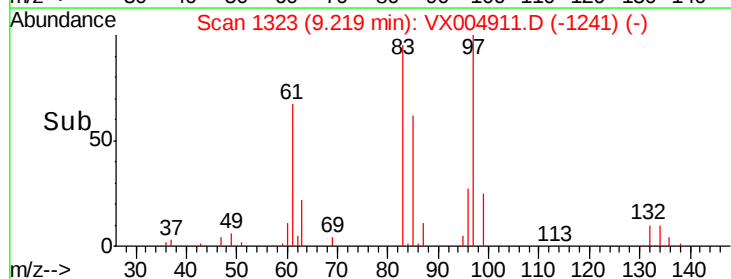
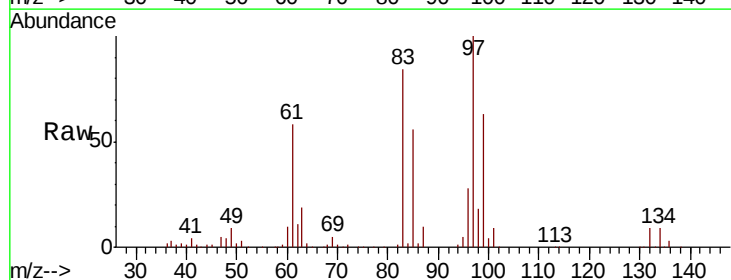
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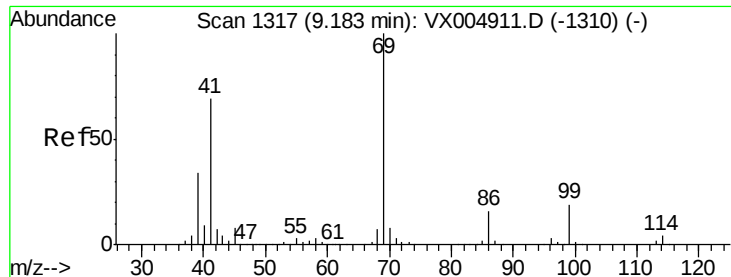


#50

1,1,2-Trichloroethane
 Concen: 20.337 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX004911.D
 Acq: 02 Oct 2018 10:31

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.0	67.2	100.8
85	55.9	44.7	67.1
99	62.9	50.3	75.5





#51

Ethyl methacrylate

Concen: 19.375 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

Instrument :

MSVOA_X

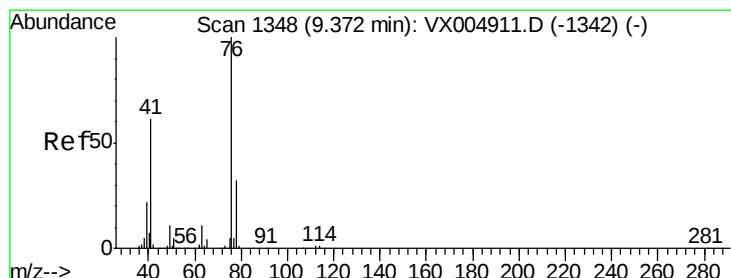
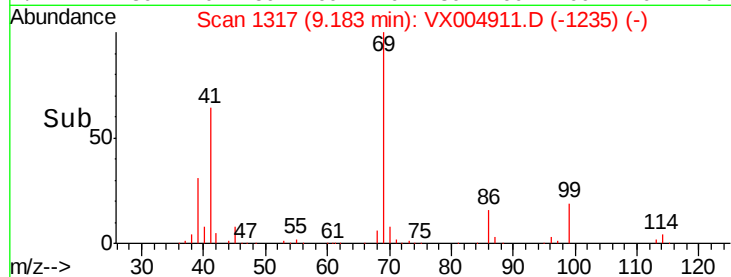
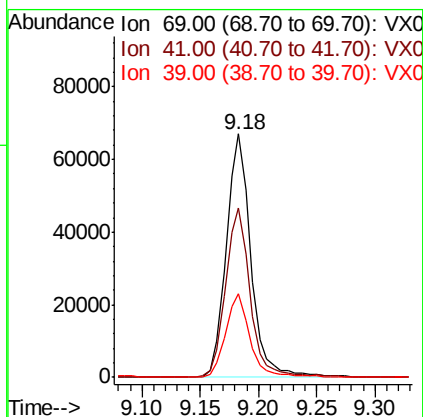
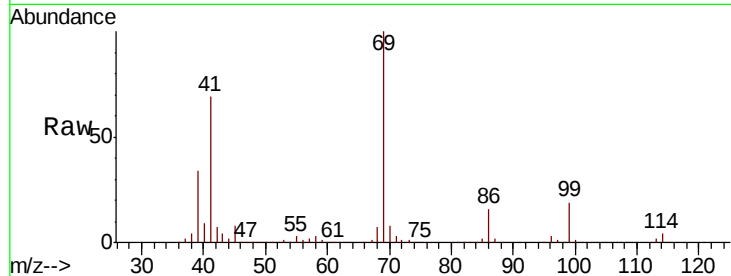
ClientSampleId :

VSTDICCC020

Tot Ion:	69	Resp:	98524
Ion	Ratio	Lower	Upper
69	100		
41	69.3	34.6	103.9
39	34.0	17.0	51.0

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.471 ug/l

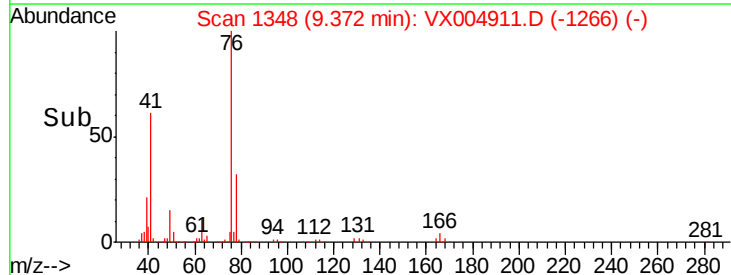
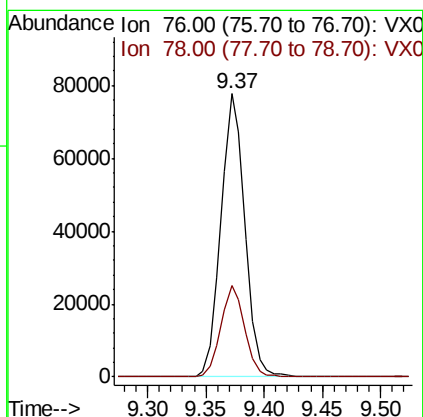
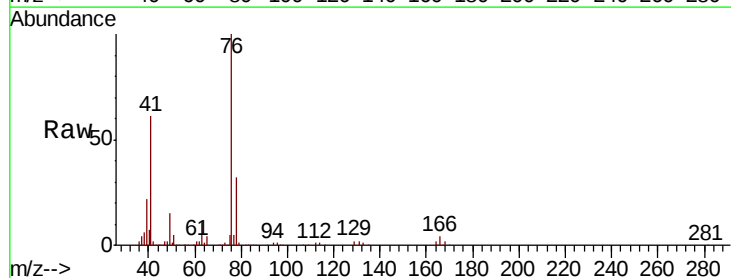
RT: 9.37 min Scan# 1348

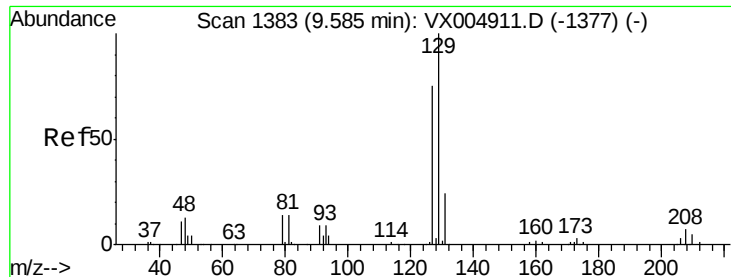
Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

Tgt Ion:	76	Resp:	110659
Ion	Ratio	Lower	Upper
76	100		
78	32.2	0.0	64.4





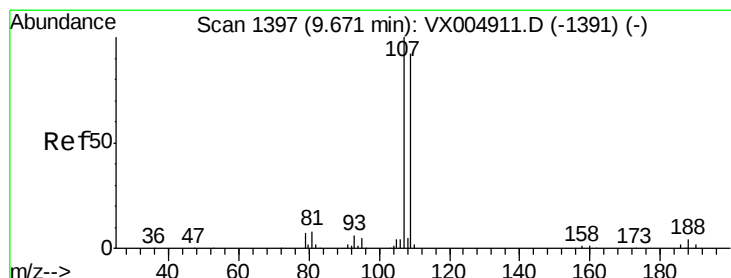
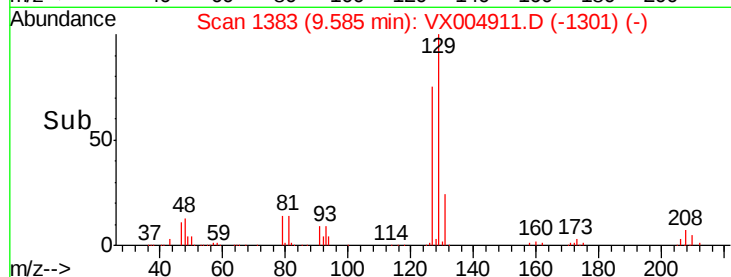
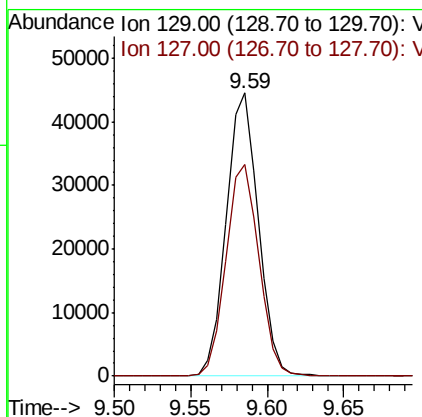
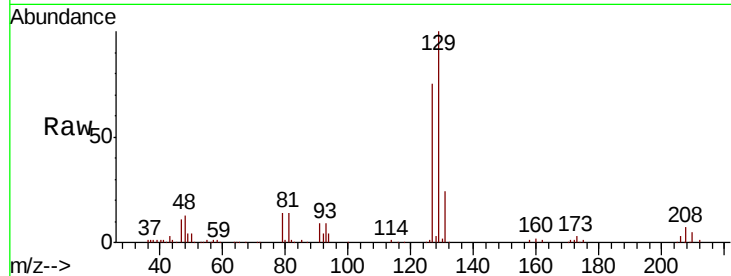
#53
 Dibromochloromethane
 Concen: 19.521 ug/l
 RT: 9.59 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: VX004911.D
 Acq: 02 Oct 2018 10:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ion	Ratio	Lower	Upper
129	100			
127	76.6	38.3	114.9	

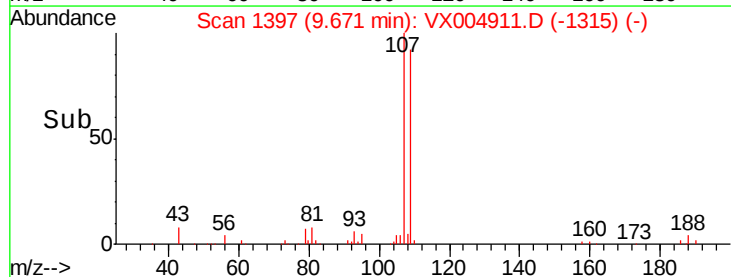
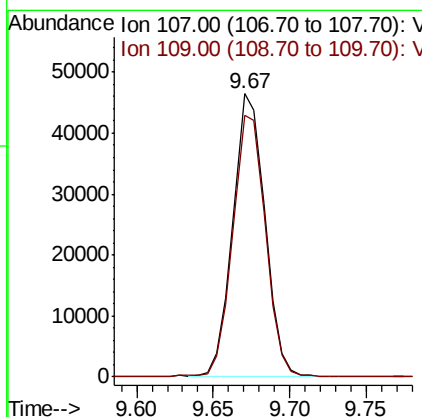
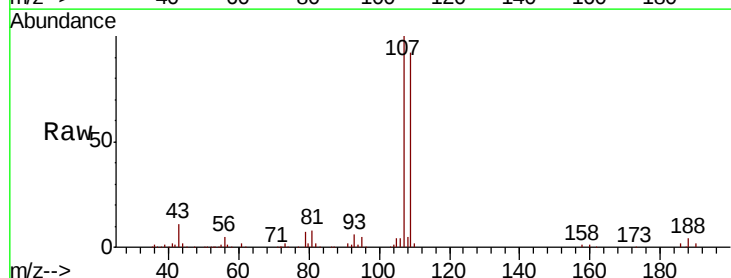
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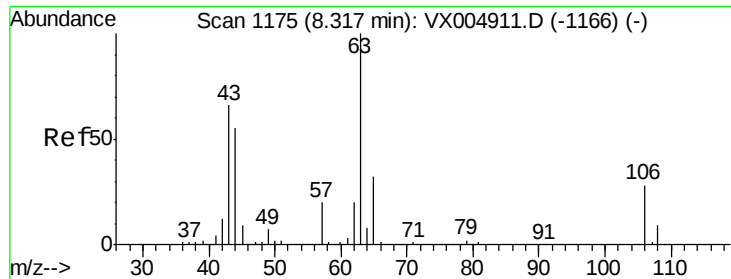
MMDadoda
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#54
 1,2-Dibromoethane
 Concen: 20.297 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX004911.D
 Acq: 02 Oct 2018 10:31

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
109	93.5	74.8	112.2	





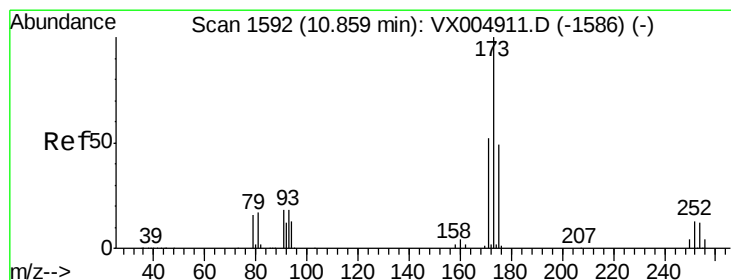
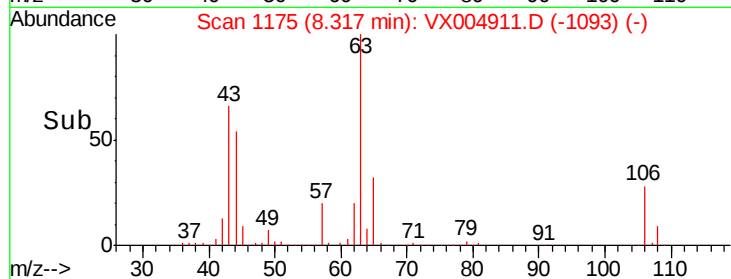
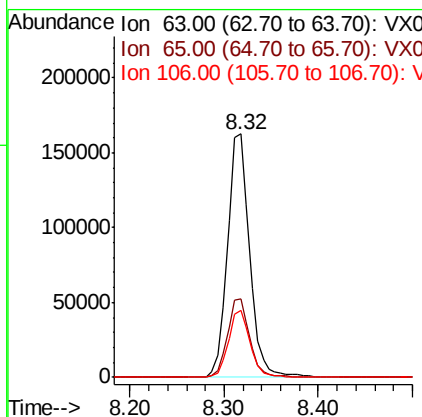
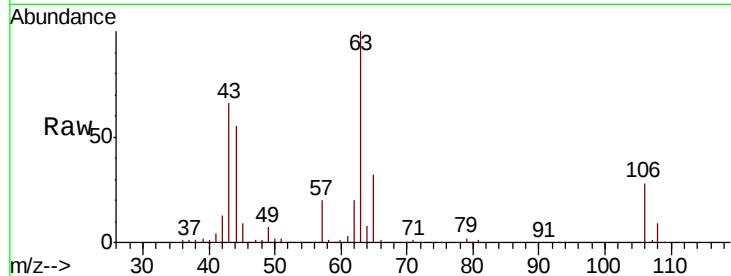
#55
2-Chloroethyl vinyl ether
Concen: 98.335 ug/l
RT: 8.32 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VX004911.D
Acq: 02 Oct 2018 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.9	38.9
106	27.2	21.8	32.6

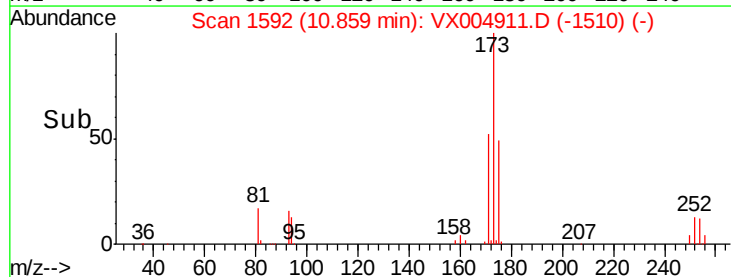
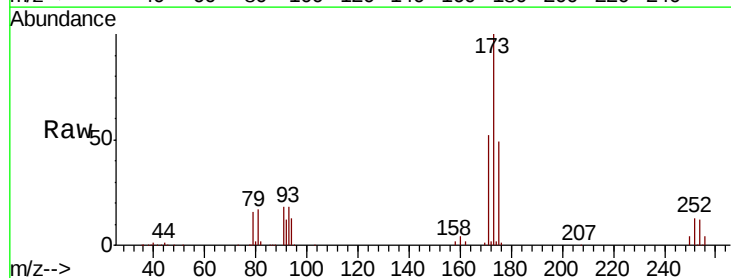
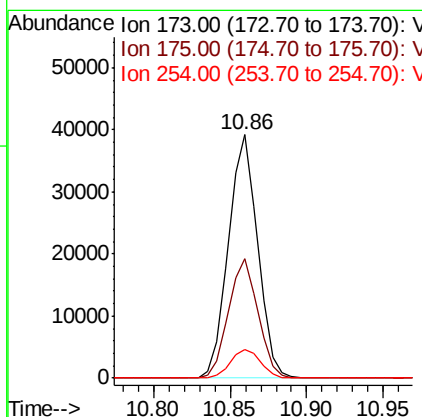
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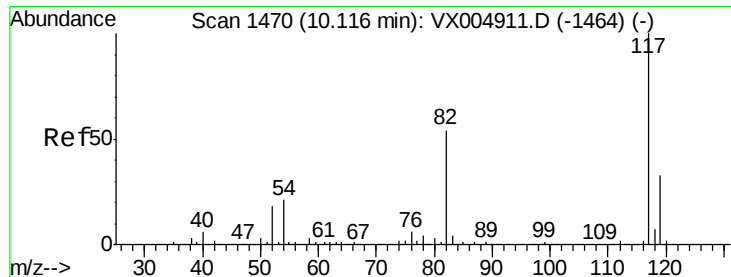
MMDadoda
10/3/2018 4:23:05 PM



#56
Bromoform
Concen: 18.682 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX004911.D
Acq: 02 Oct 2018 10:31

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.6	39.7	59.5
254	12.0	9.6	14.4





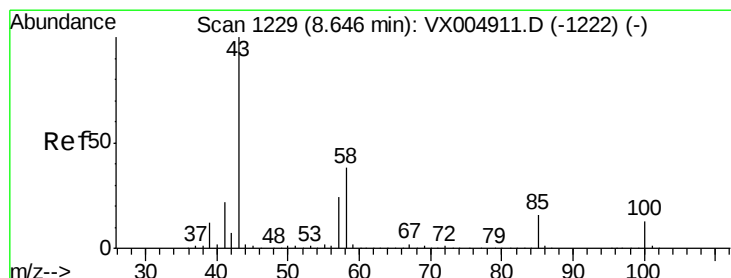
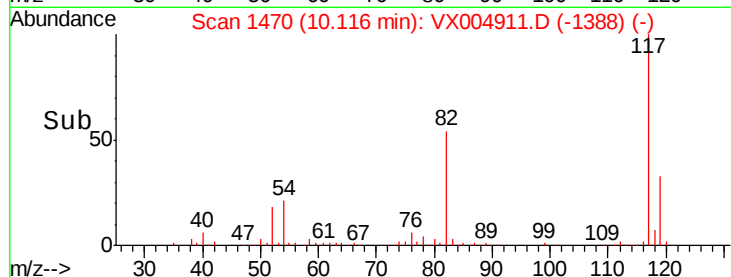
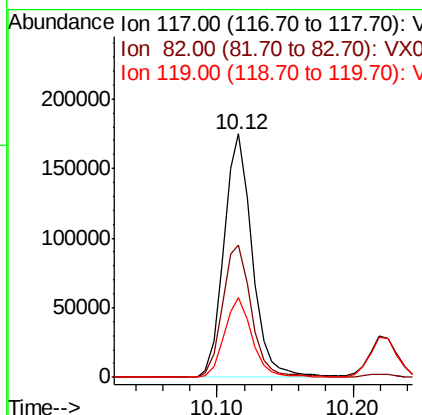
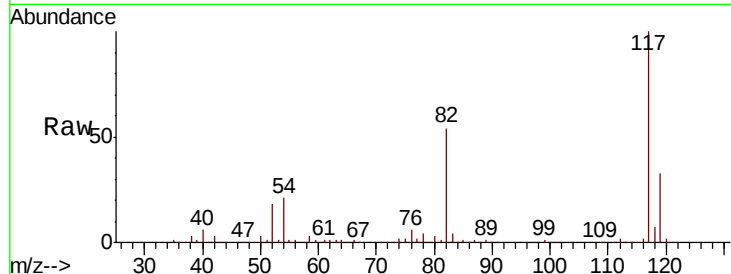
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004911.D
Acq: 02 Oct 2018 10:31

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	44.2	66.4
119	32.2	25.8	38.6

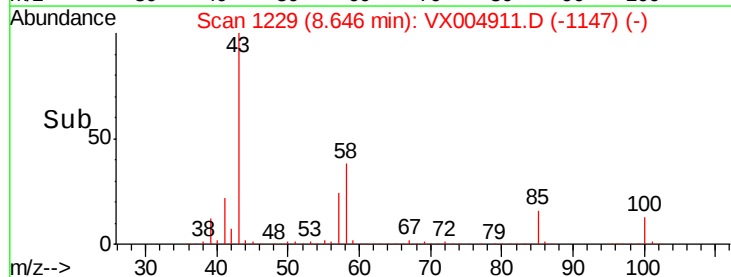
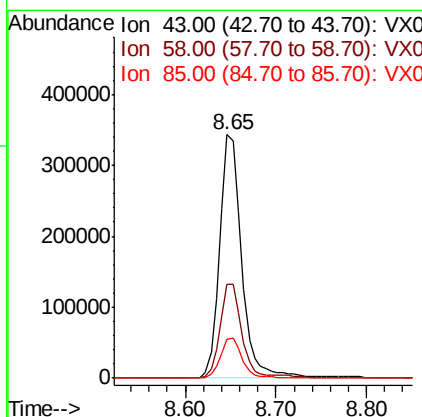
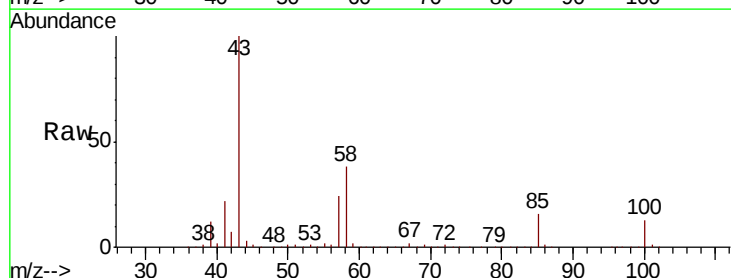
Manual Integrations
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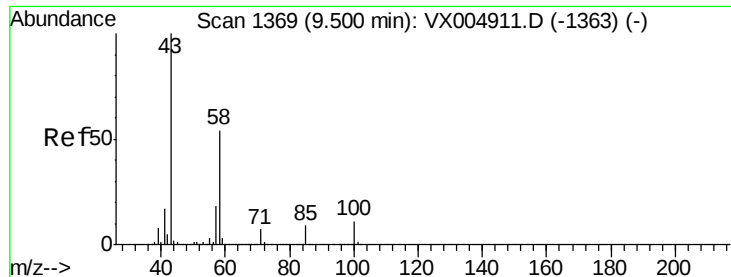
MMDadoda
10/3/2018 4:23:05 PM



#58
4-Methyl-2-Pentanone
Concen: 103.646 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX004911.D
Acq: 02 Oct 2018 10:31

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.5	30.8	46.2
85	16.4	13.1	19.7





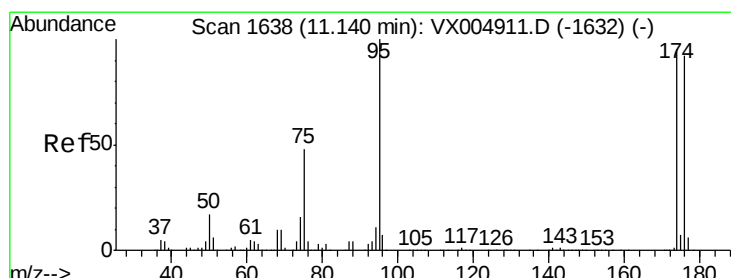
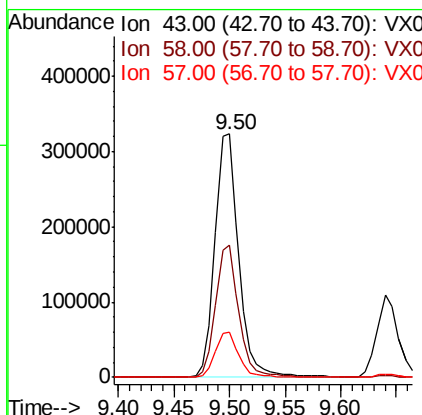
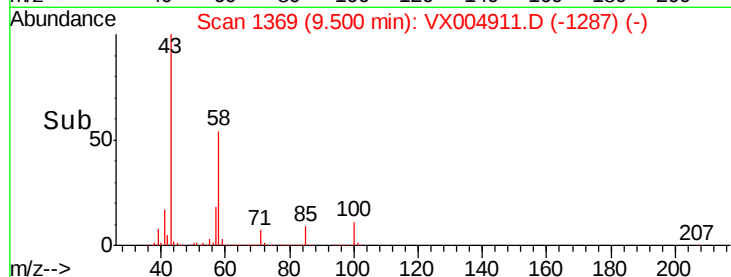
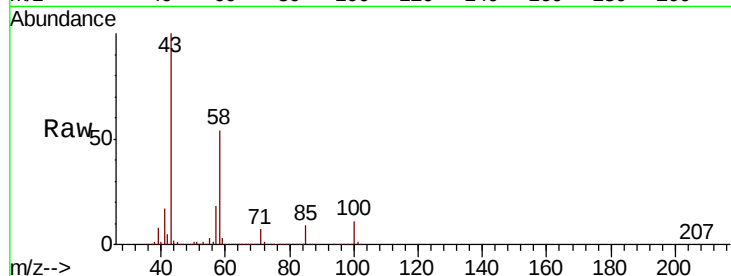
#59
2-Hexanone
Concen: 102.559 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX004911.D
Acq: 02 Oct 2018 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.4	42.7	64.1
57	18.3	14.6	22.0

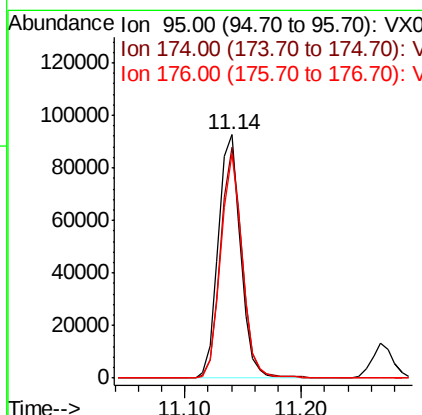
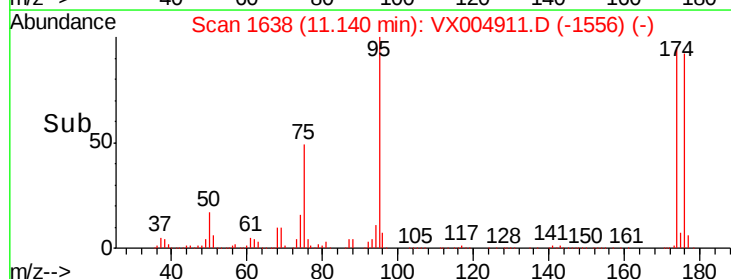
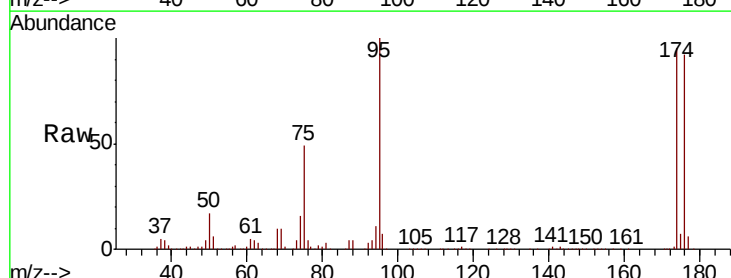
Manual Integrations
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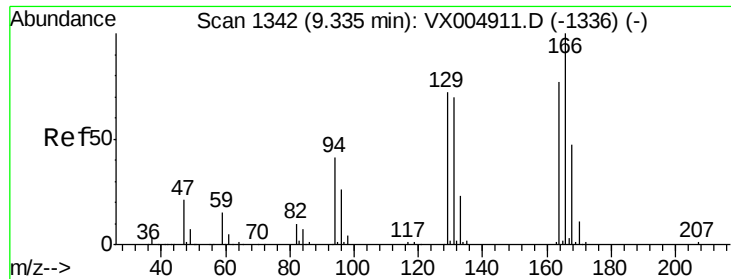
MMDadoda
10/3/2018 4:23:05 PM



#60
4-Bromofluorobenzene
Concen: 29.265 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX004911.D
Acq: 02 Oct 2018 10:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.4	73.1	109.7
176	88.8	71.0	106.6





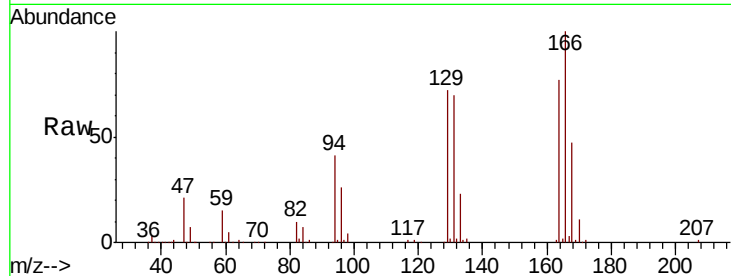
#61
Tetrachloroethene
Concen: 20.906 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004911.D
Acq: 02 Oct 2018 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	130.0	104.0	156.0
129	93.9	75.1	112.7
131	90.6	72.5	108.7

Manual Integrations
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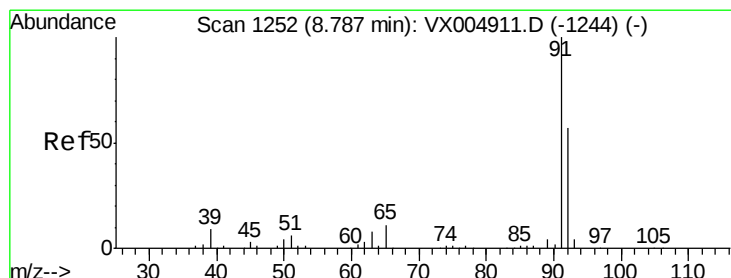
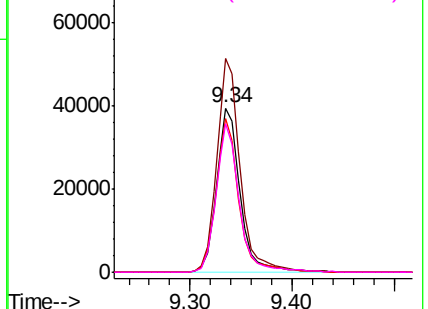
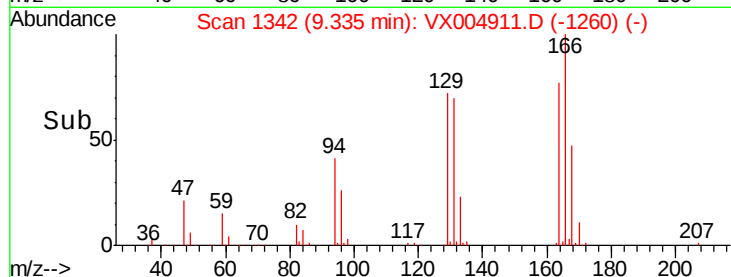
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

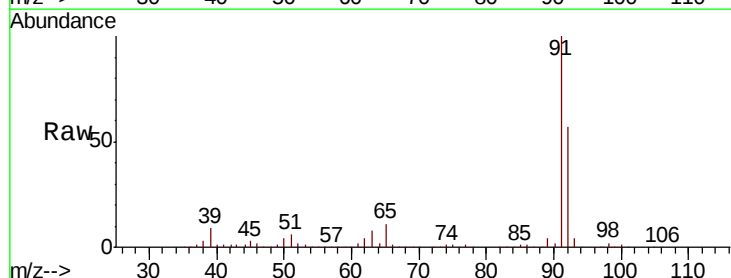
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62
Toluene
Concen: 20.509 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX004911.D
Acq: 02 Oct 2018 10:31

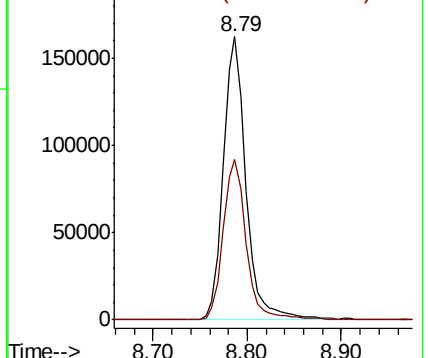
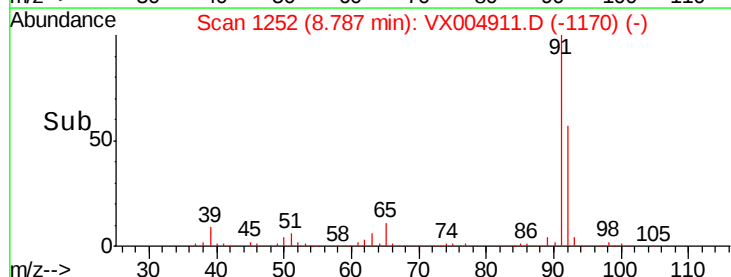
Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.8	46.2	69.4

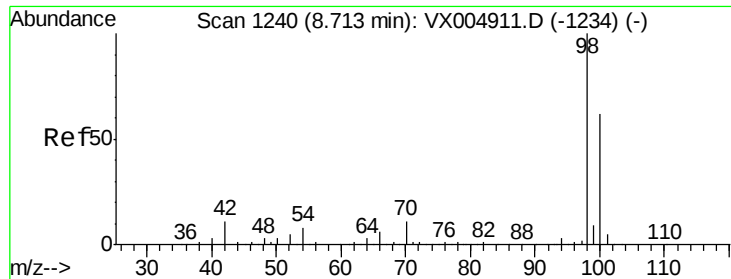


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.876 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 98 Resp: 347019

Ion Ratio Lower Upper

98 100

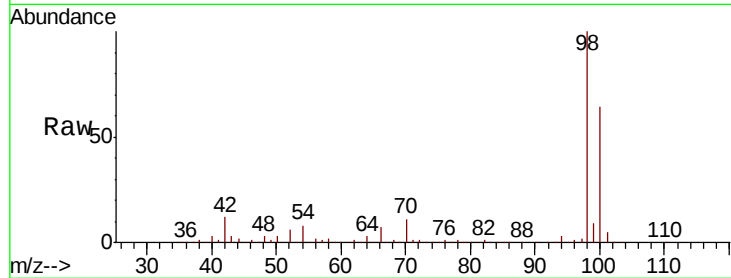
100 64.5 51.6 77.4

Manual Integrations

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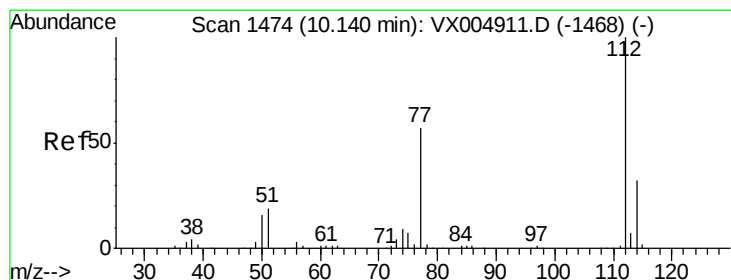
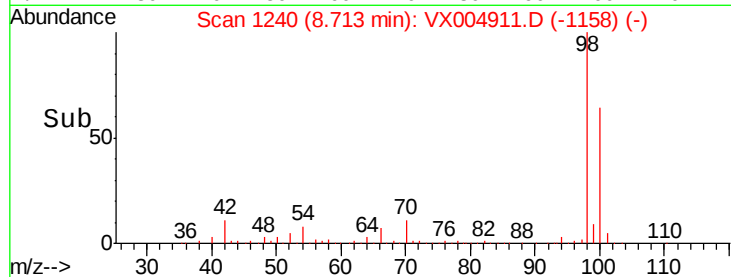
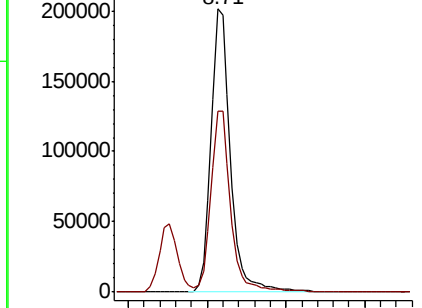
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Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#64

Chlorobenzene

Concen: 20.257 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX004911.D

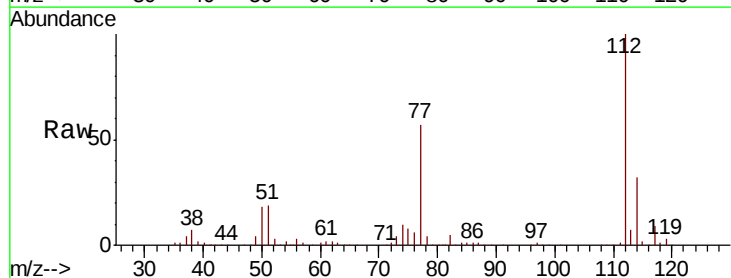
Acq: 02 Oct 2018 10:31

Tgt Ion: 112 Resp: 173106

Ion Ratio Lower Upper

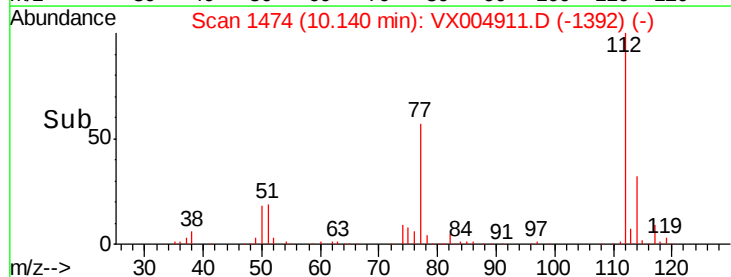
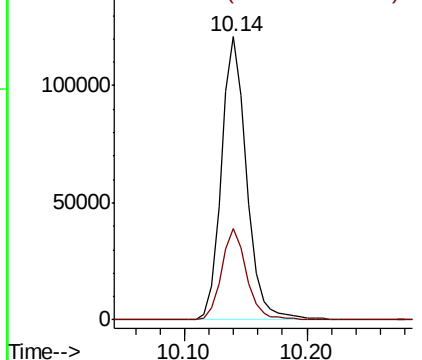
112 100

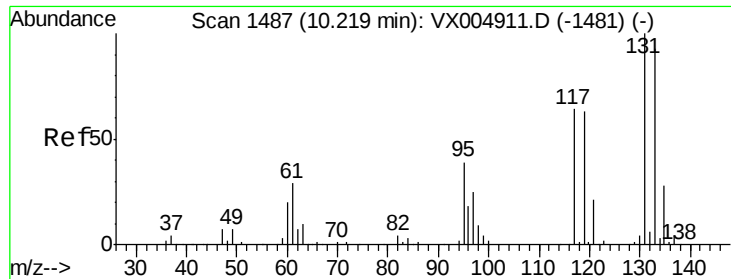
114 32.1 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#65

1,1,1,2-Tetrachloroethane

Concen: 20.335 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion:131 Resp: 63169

Ion Ratio Lower Upper

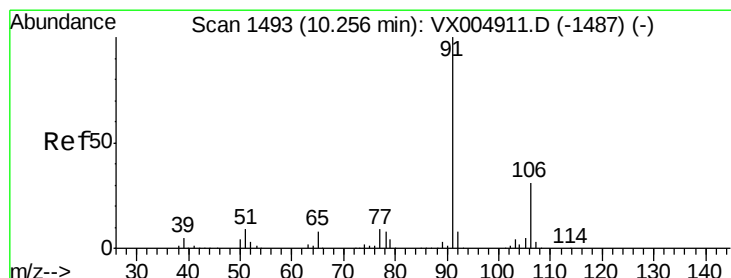
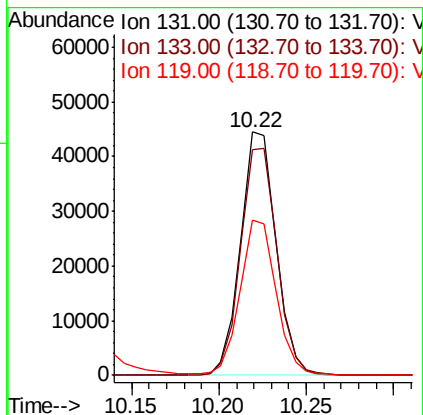
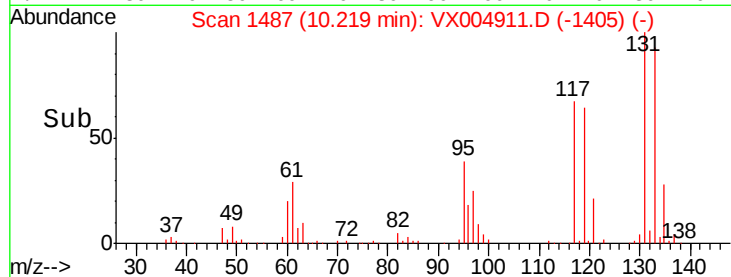
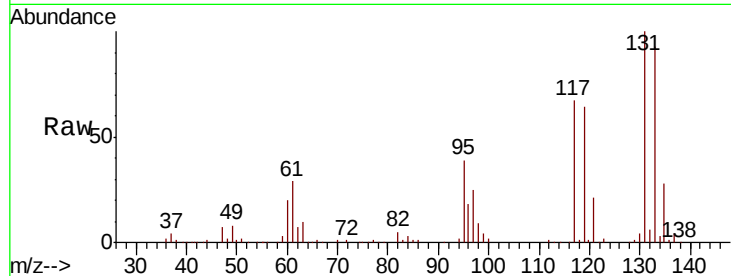
131 100

133 95.2 0.0 190.4

119 64.5 0.0 129.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.955 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VX004911.D

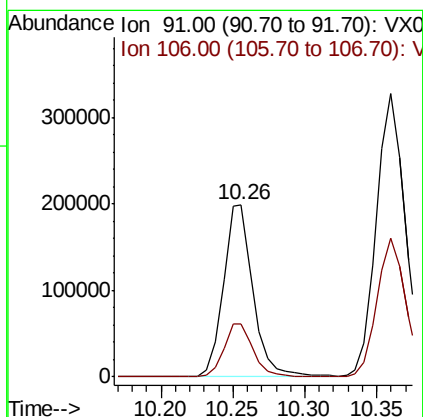
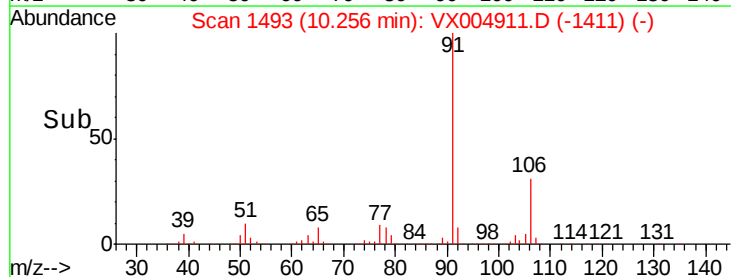
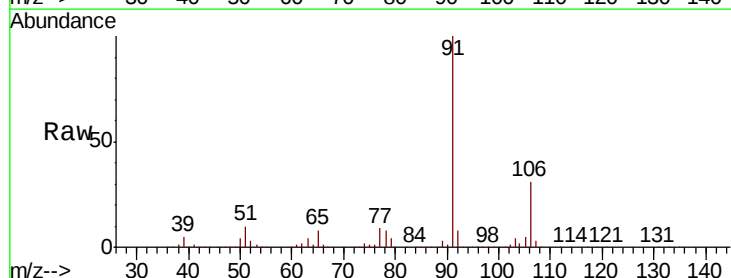
Acq: 02 Oct 2018 10:31

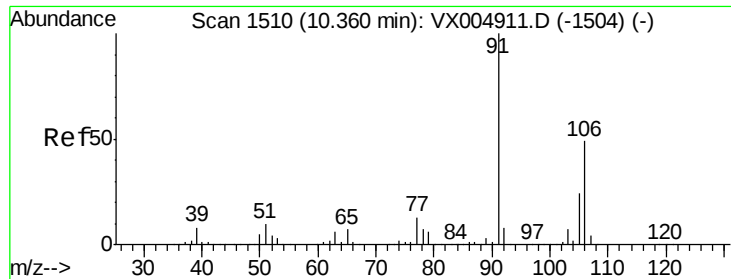
Tgt Ion: 91 Resp: 288276

Ion Ratio Lower Upper

91 100

106 30.6 24.5 36.7





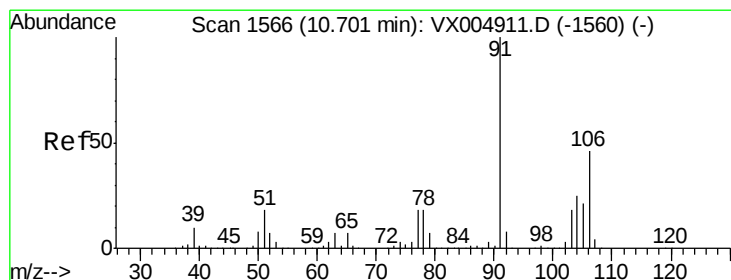
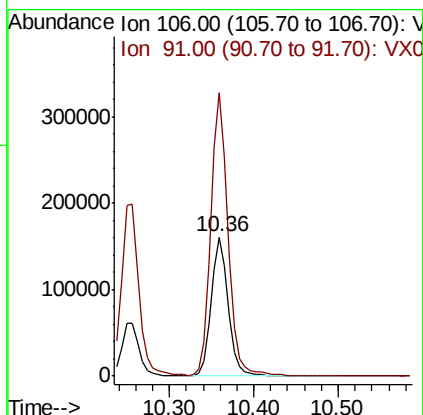
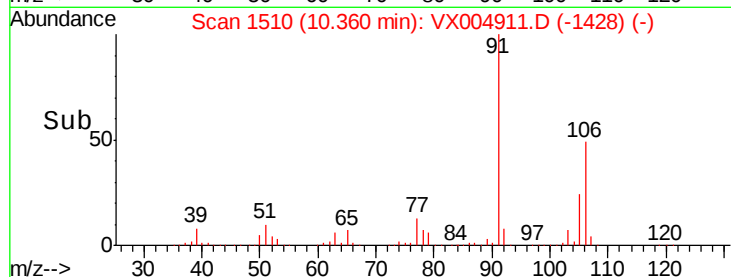
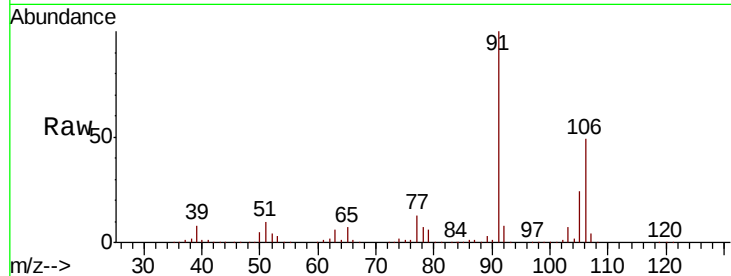
#67
m/p-Xvlenes
Concen: 40.212 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX004911.D
Acq: 02 Oct 2018 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		226183		
91	206.9	165.5	248.3		

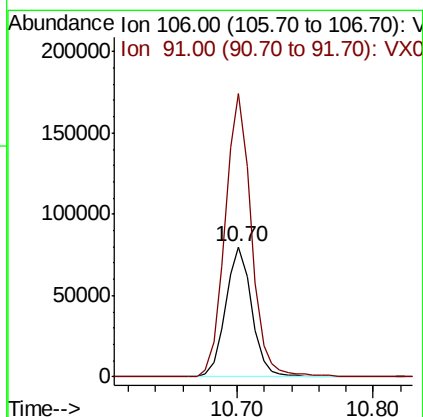
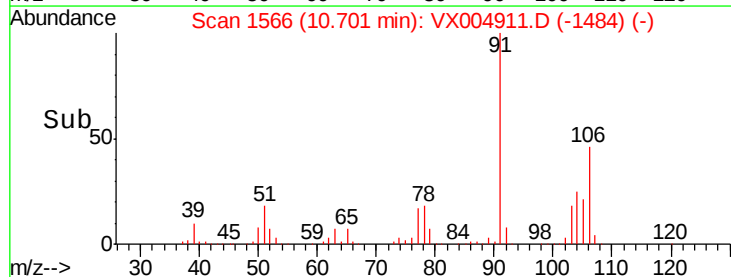
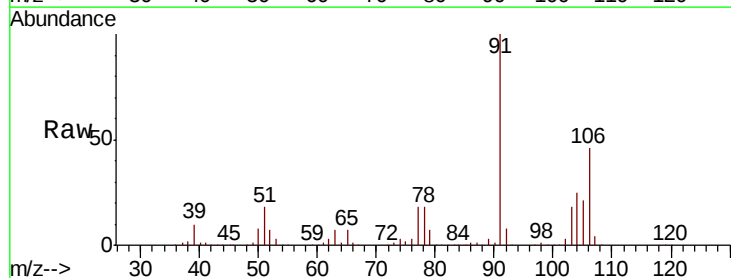
Manual Integrations
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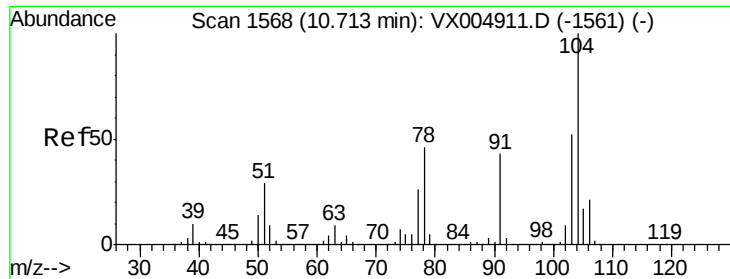
MMDadoda
10/3/2018 4:23:05 PM



#68
o-Xylene
Concen: 19.804 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004911.D
Acq: 02 Oct 2018 10:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		107379		
91	218.1	109.1	327.2		





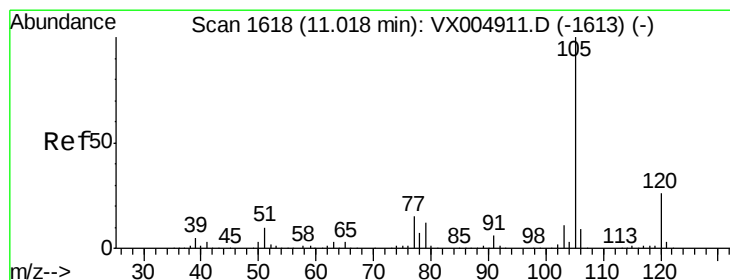
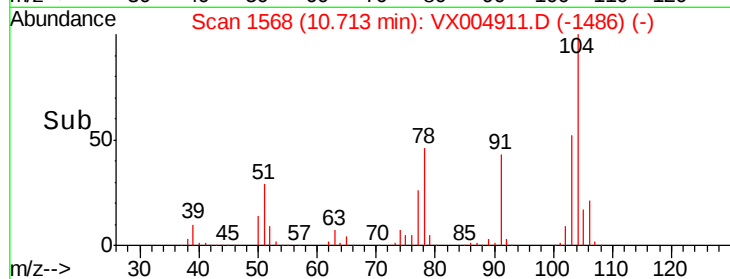
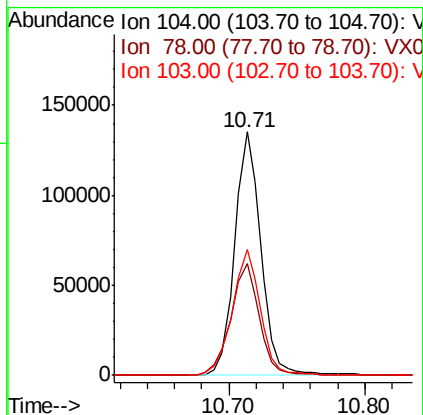
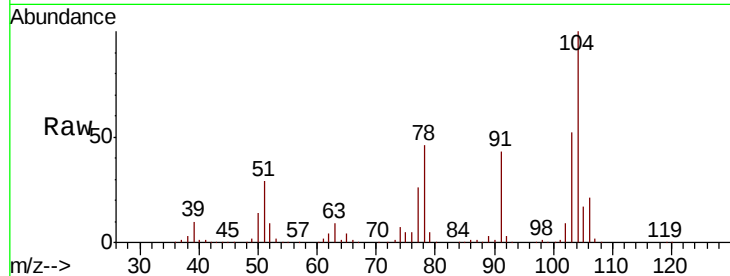
#69
Stvrene
Concen: 19.819 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004911.D
Acq: 02 Oct 2018 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.4	40.3	60.5
103	55.7	44.6	66.8

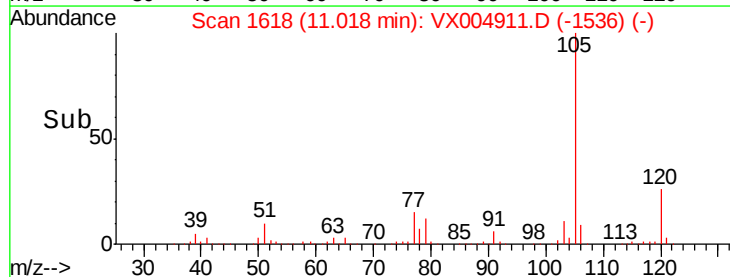
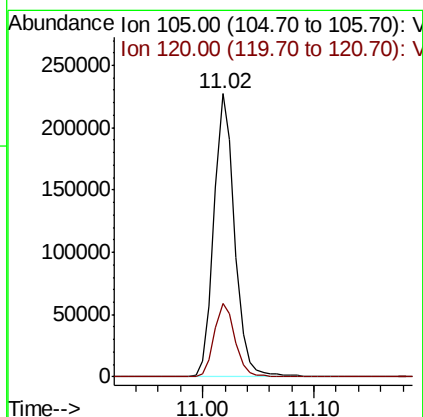
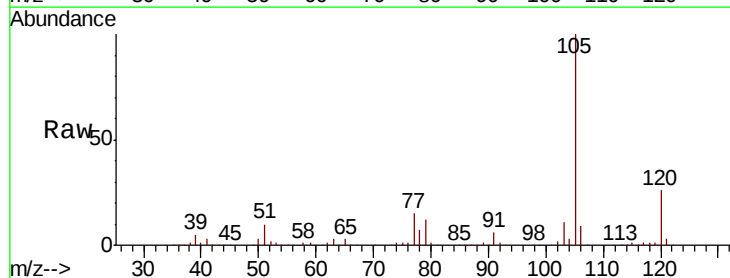
Manual Integrations
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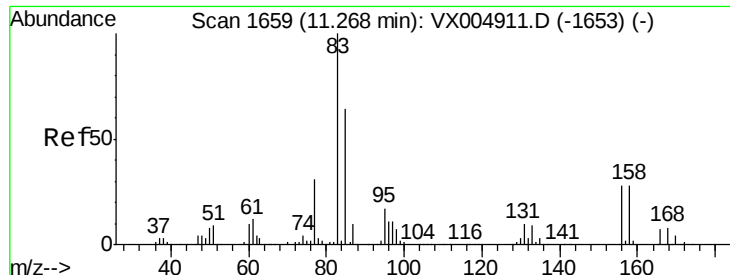
MMDadoda
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#70
Isopropylbenzene
Concen: 20.231 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX004911.D
Acq: 02 Oct 2018 10:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.2	18.3	34.1





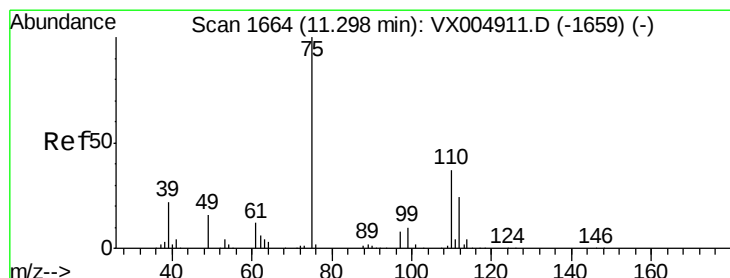
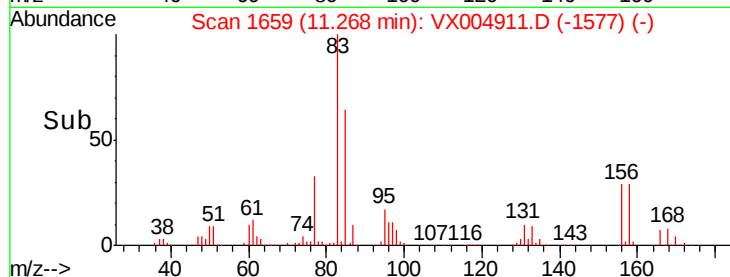
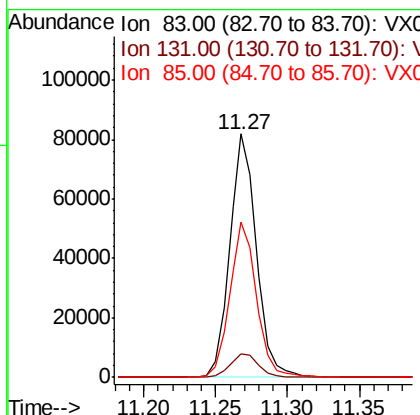
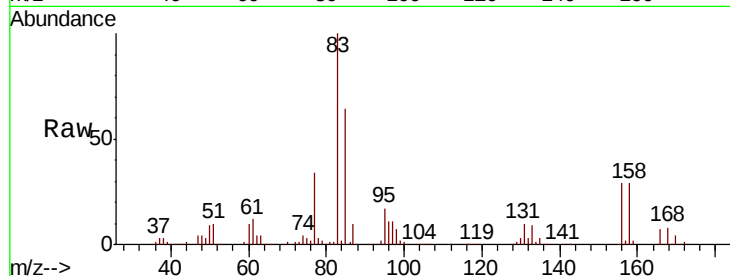
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.656 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX004911.D
 Acq: 02 Oct 2018 10:31

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	105999		
131	10.1		5.1	15.2
85	64.4		32.2	96.6

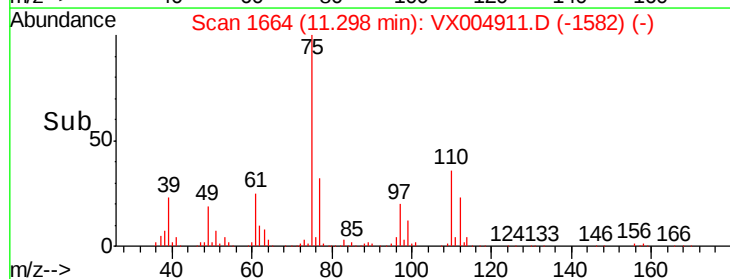
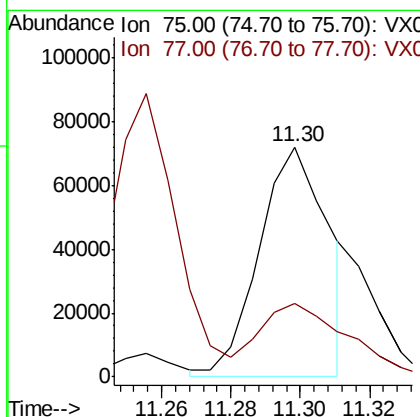
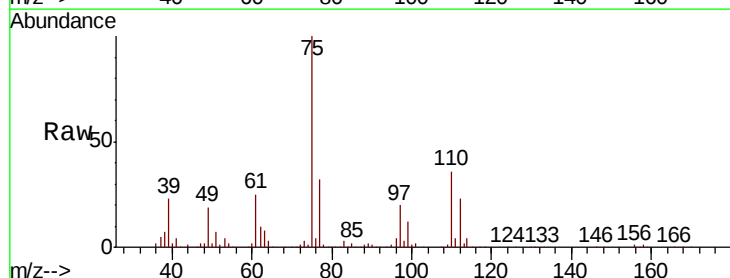
Manual Integrations
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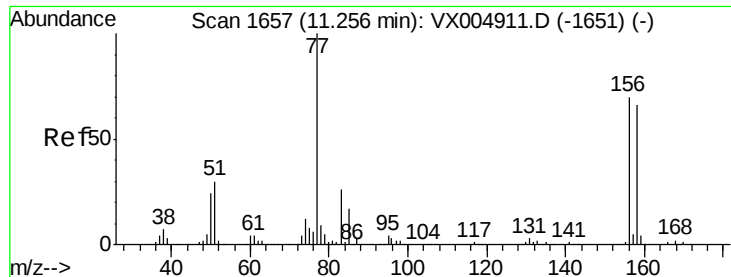
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#72
 1,2,3-Trichloropropane
 Concen: 20.311 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. 0.00 min
 Lab File: VX004911.D
 Acq: 02 Oct 2018 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	99787		
77	40.6		0.0	81.2





#73

Bromobenzene

Concen: 19.920 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

Instrument :

MSVOA_X

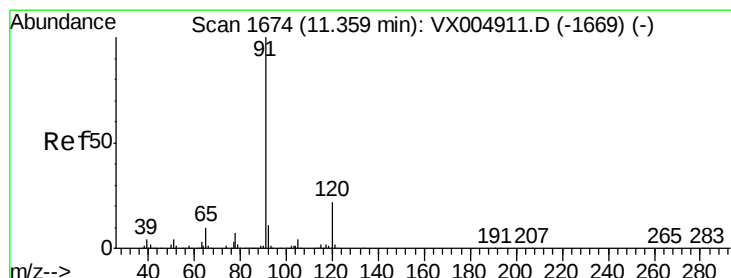
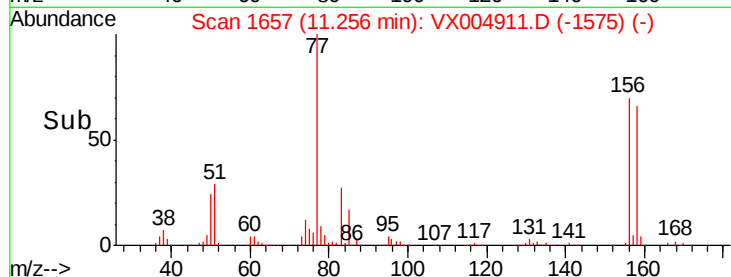
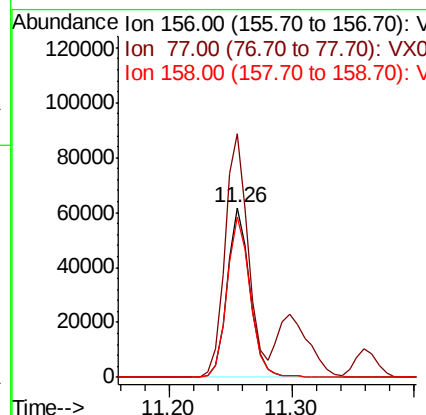
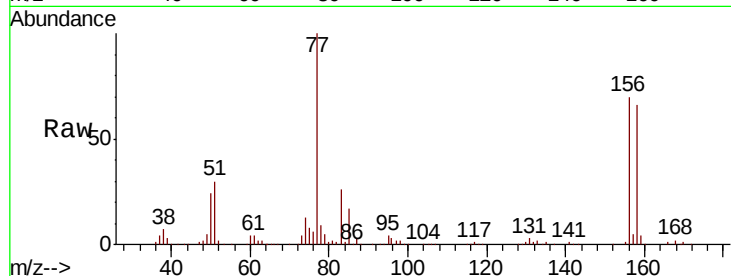
ClientSampleId :

VSTDICCC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	146.2	0.0	292.4
158	97.1	0.0	194.2

Manual Integrations
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#74

n-propylbenzene

Concen: 19.976 ug/l

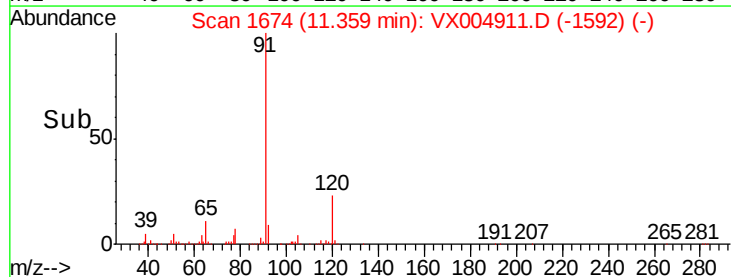
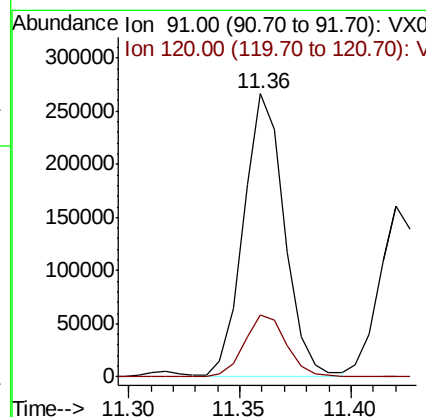
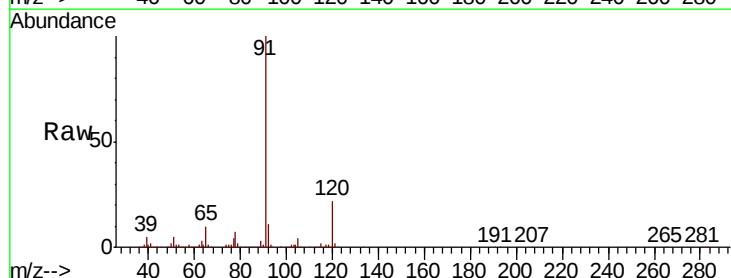
RT: 11.36 min Scan# 1674

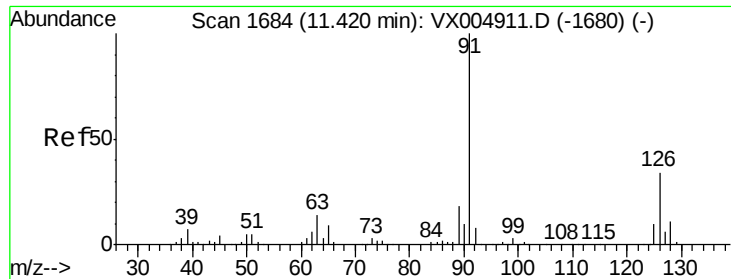
Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.7	0.0	45.4





#75

2-Chlorotoluene

Concen: 19.938 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC020

Tot Ion: 91 Resp: 207730

Ion Ratio Lower Upper

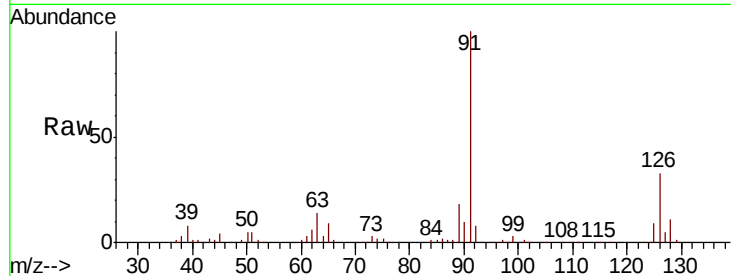
91 100

126 34.1 0.0 68.2

Manual Integrations
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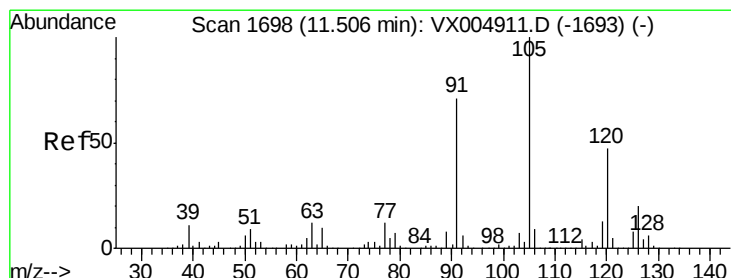
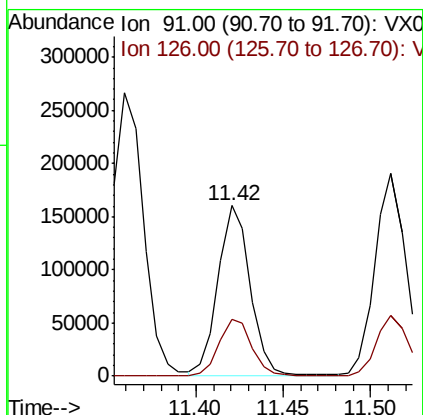
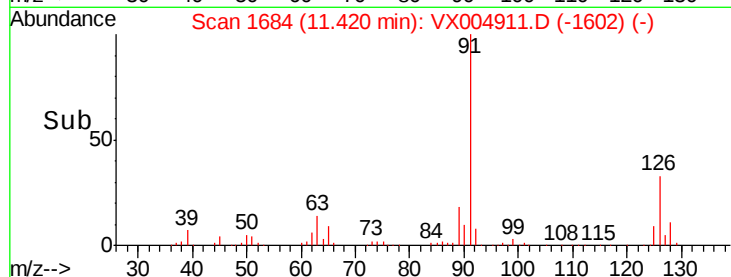
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX004911.D (-1680) (-)

Ion 126.00 (125.70 to 126.70): VX004911.D (-1680) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.960 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004911.D

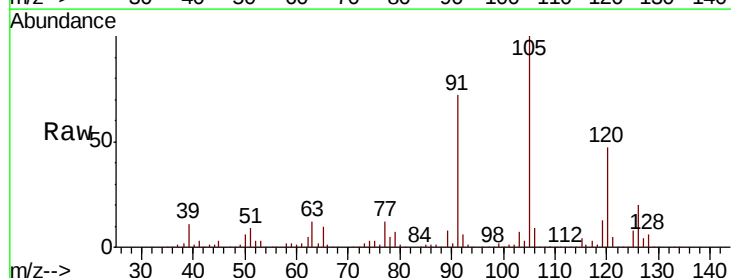
Acq: 02 Oct 2018 10:31

Tgt Ion: 105 Resp: 250036

Ion Ratio Lower Upper

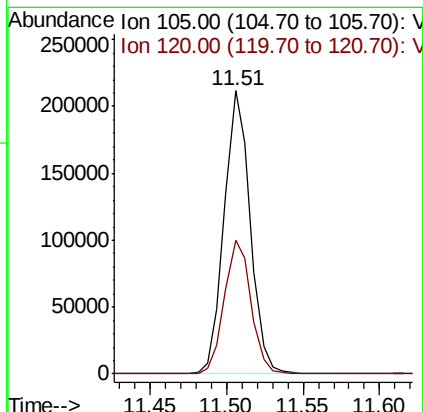
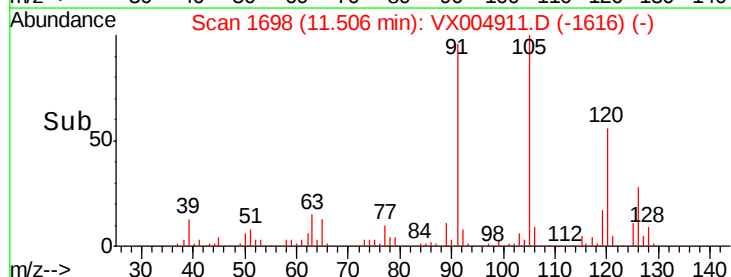
105 100

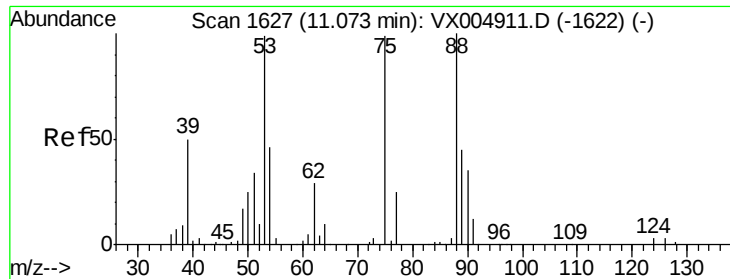
120 48.4 0.0 96.8



Abundance Ion 105.00 (104.70 to 105.70): VX004911.D (-1693) (-)

Ion 120.00 (119.70 to 120.70): VX004911.D (-1693) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 17.713 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC020

Tot Ion: 75 Resp: 28612

Ion Ratio Lower Upper

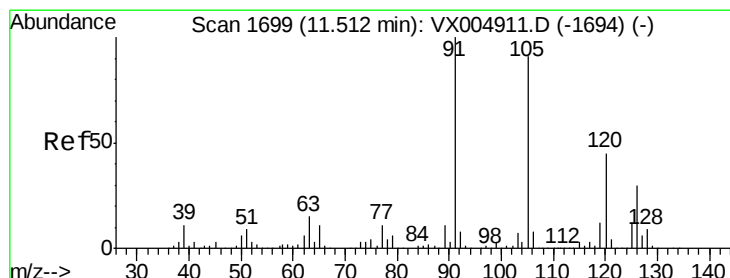
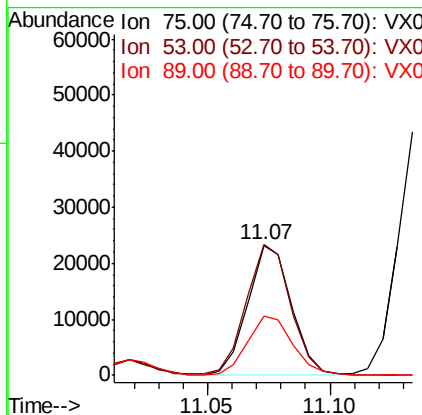
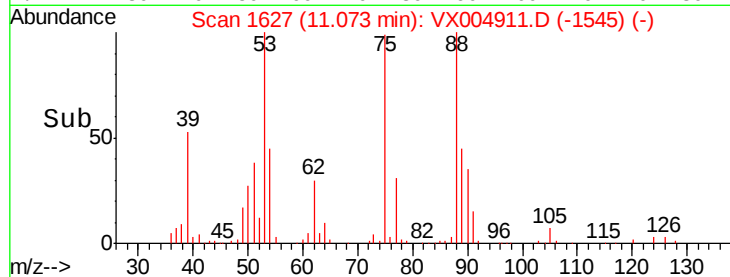
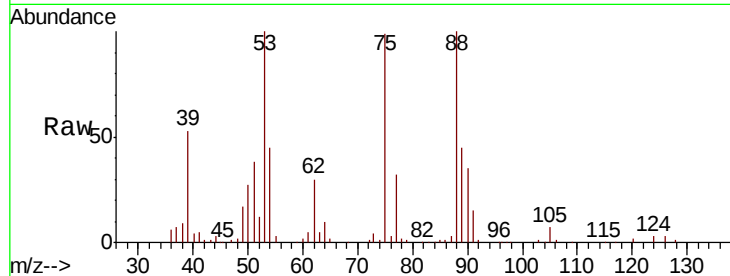
75 100

53 100.6 50.3 150.9

89 45.2 22.6 67.8

Manual Integrations
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#78

4-Chlorotoluene

Concen: 19.741 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX004911.D

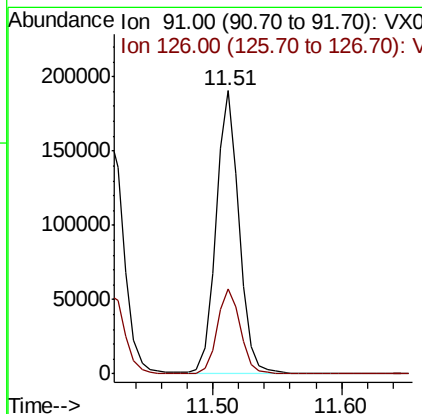
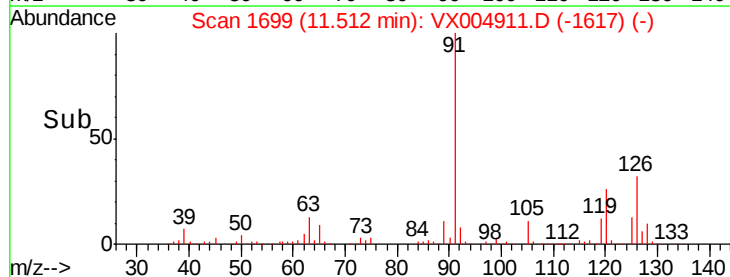
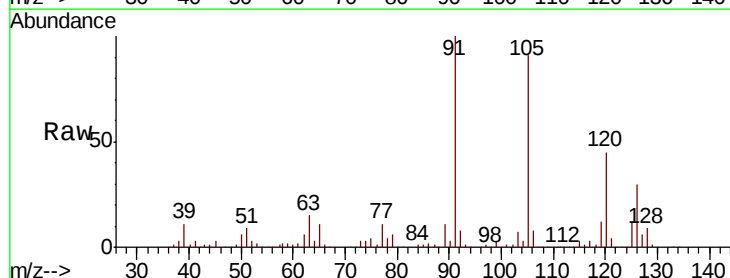
Acq: 02 Oct 2018 10:31

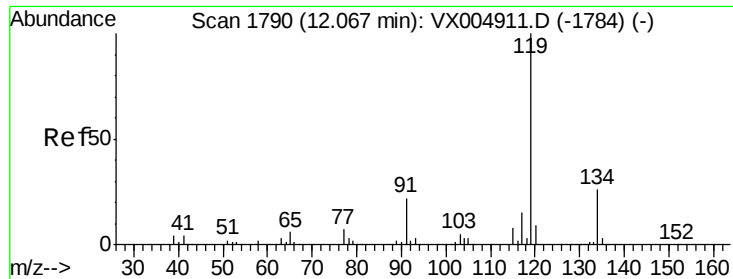
Tgt Ion: 91 Resp: 239068

Ion Ratio Lower Upper

91 100

126 30.5 0.0 61.0





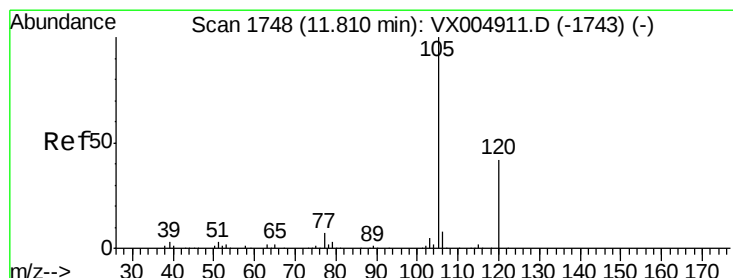
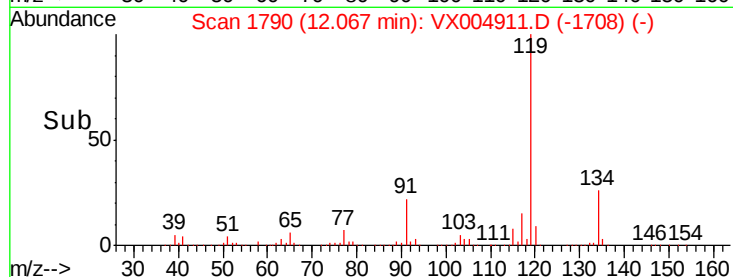
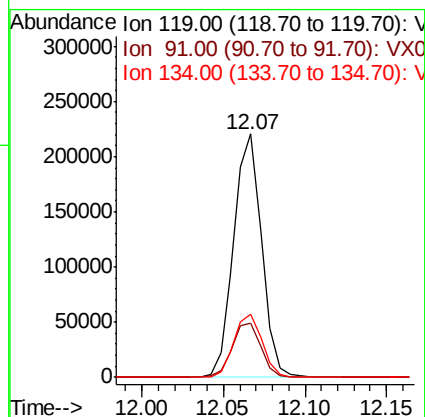
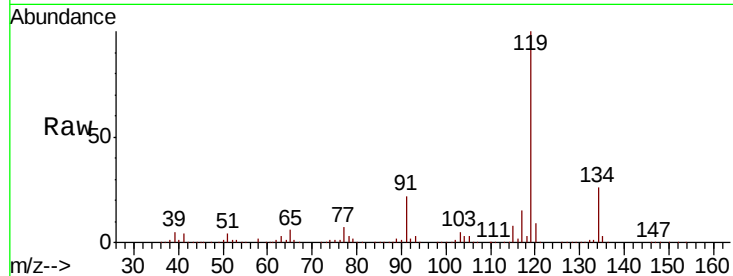
#79
tert-butylbenzene
Concen: 19.752 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VX004911.D
Acq: 02 Oct 2018 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	262601		
91	22.9	0.0	45.8	
134	26.4	0.0	52.8	

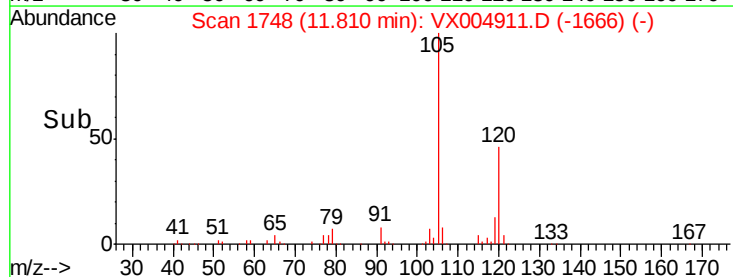
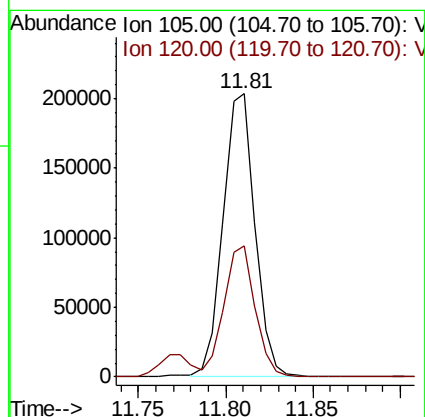
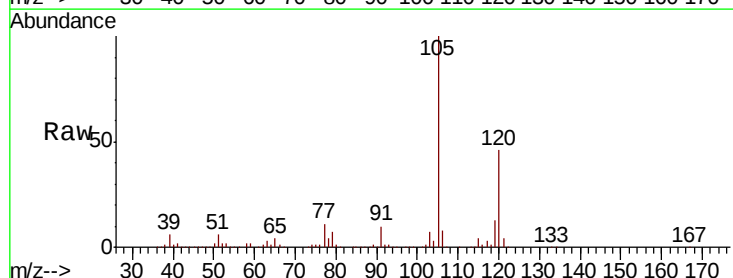
Manual Integrations
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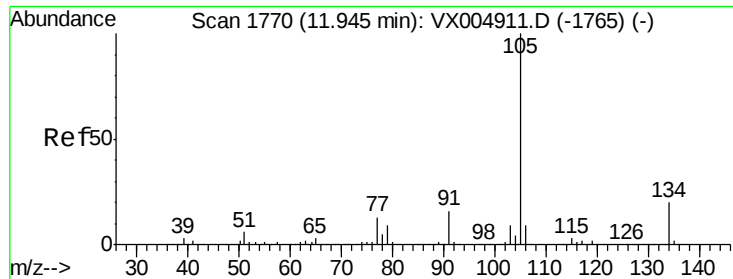
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 20.168 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VX004911.D
Acq: 02 Oct 2018 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	257654		
120	45.3	0.0	90.6	





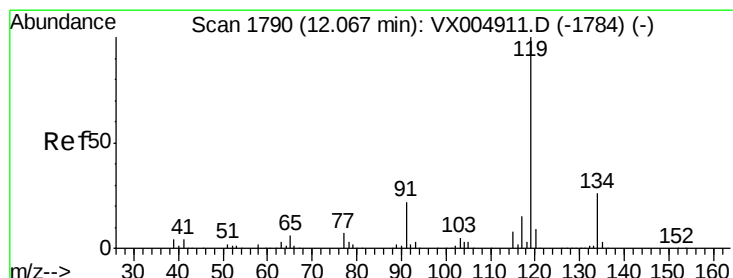
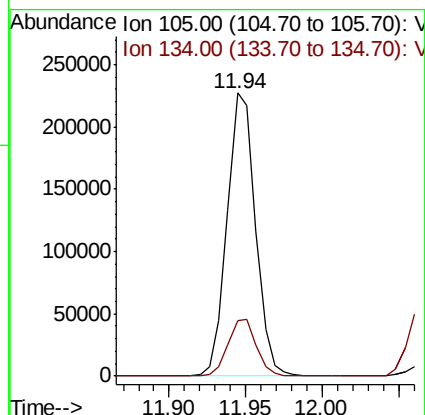
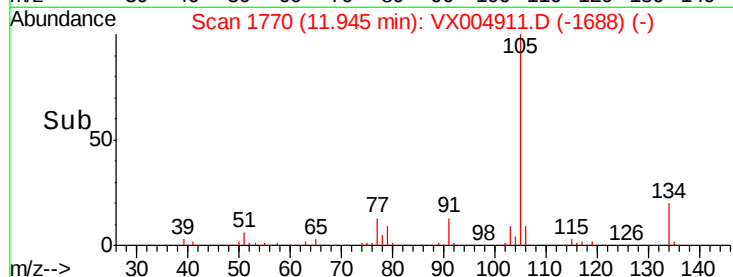
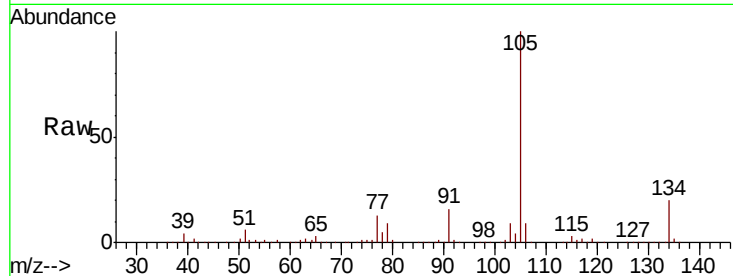
#81
 sec-Butylbenzene
 Concen: 19.786 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX004911.D
 Acq: 02 Oct 2018 10:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	292583		
134	20.2	0.0	40.4	

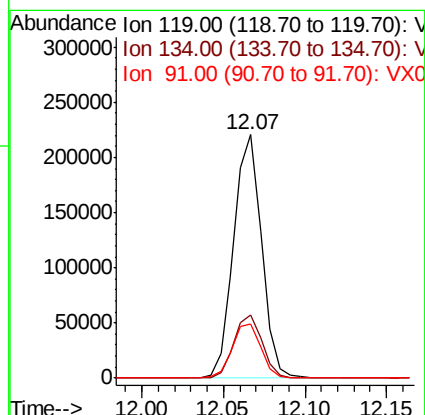
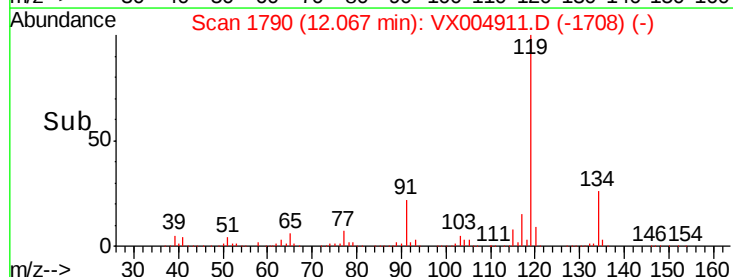
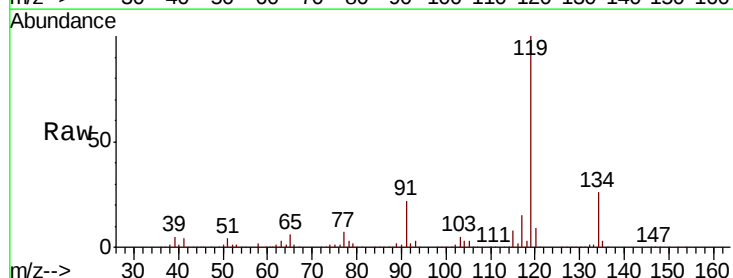
Manual Integrations
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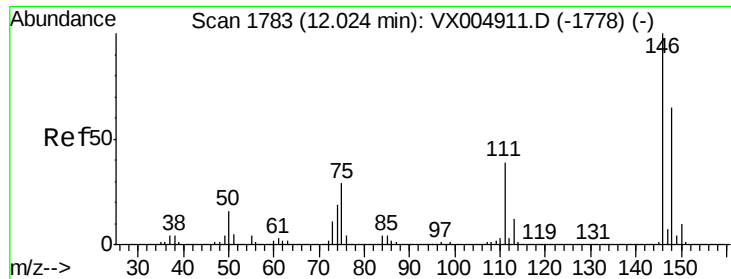
MMDadoda
 10/3/2018 4:23:05 PM



#82
 p-Isopropyltoluene
 Concen: 19.752 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX004911.D
 Acq: 02 Oct 2018 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	262601		
134	26.4	0.0	52.8	
91	22.9	0.0	45.8	





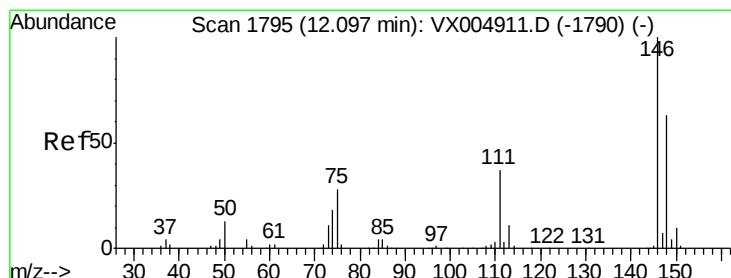
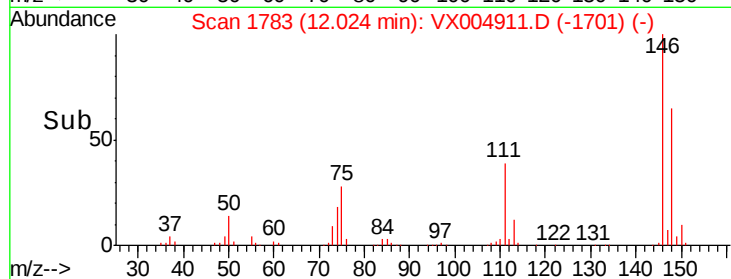
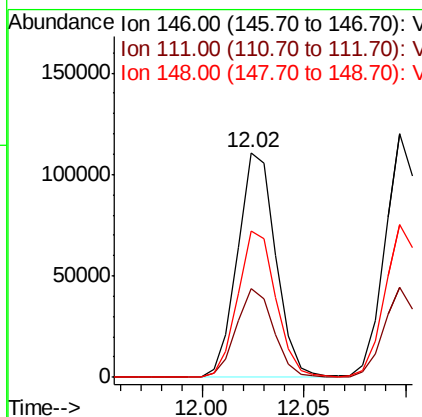
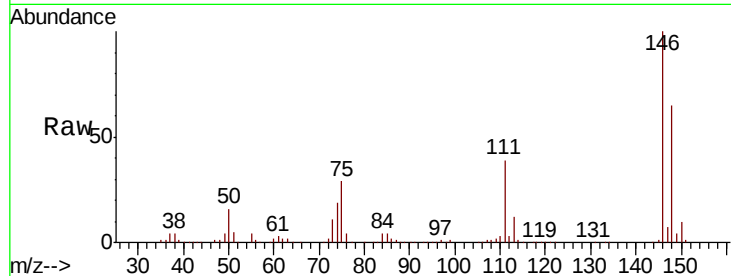
#83
 1,3-Dichlorobenzene
 Concen: 19.551 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX004911.D
 Acq: 02 Oct 2018 10:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.3	57.8
148	64.8	32.4	97.2

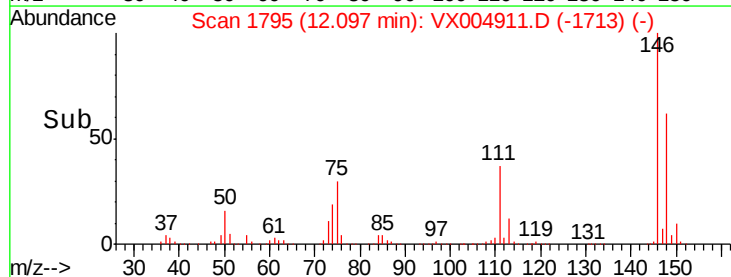
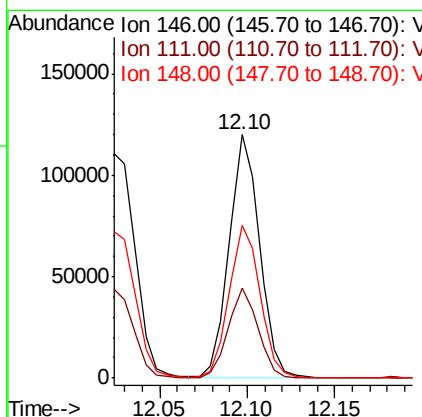
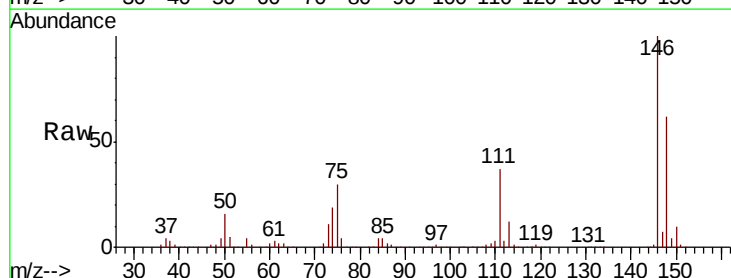
Manual Integrations
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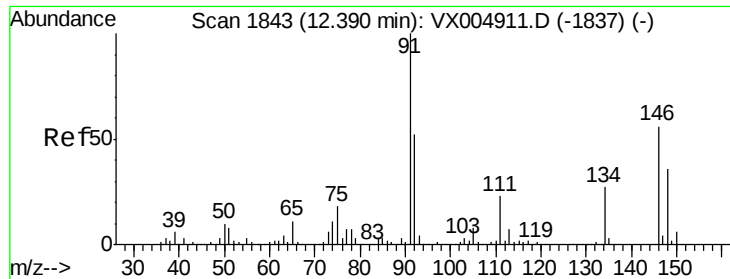
MMDadoda
 10/3/2018 4:23:05 PM



#84
 1,4-Dichlorobenzene
 Concen: 19.487 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX004911.D
 Acq: 02 Oct 2018 10:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.1	54.4
148	63.8	31.9	95.7





#85

n-Butylbenzene

Concen: 19.086 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

Instrument :

MSVOA_X

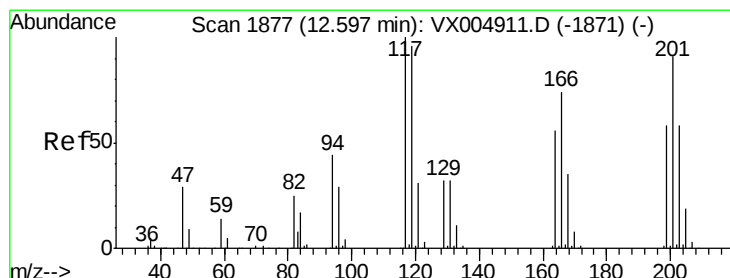
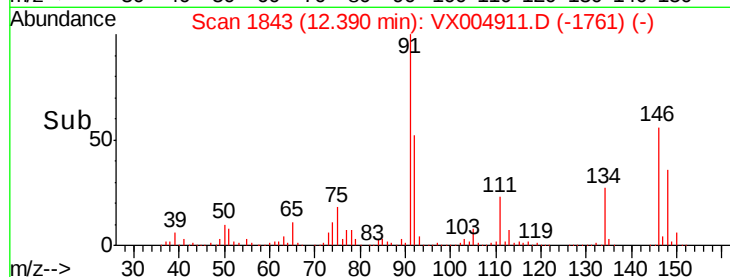
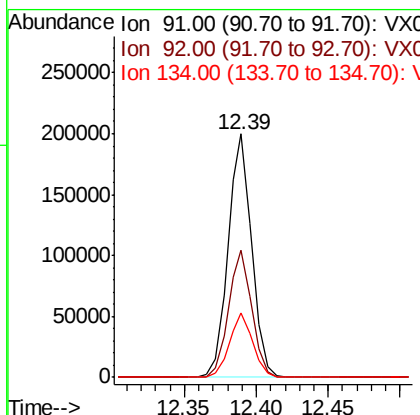
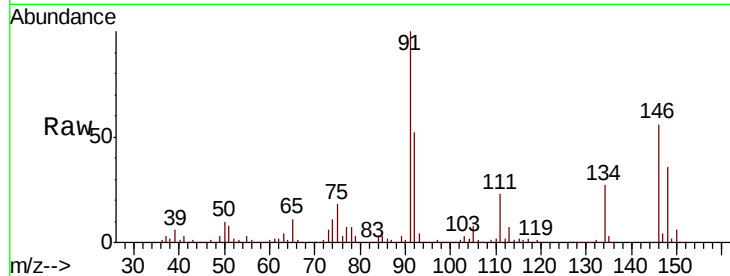
ClientSampled :

VSTDICCC020

Tot Ion:	91	Resp:	230474
Ion Ratio	Lower	Upper	
91	100		
92	51.8	0.0	103.6
134	26.1	0.0	52.2

Manual Integrations
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#86

Hexachloroethane

Concen: 18.668 ug/l

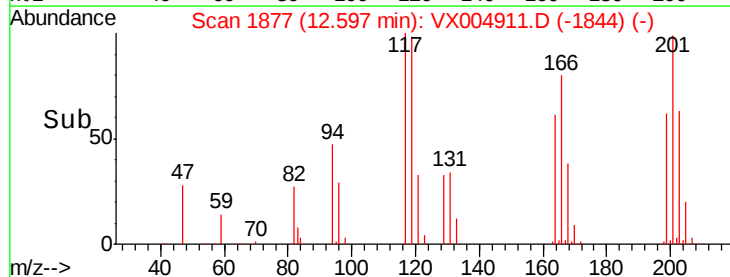
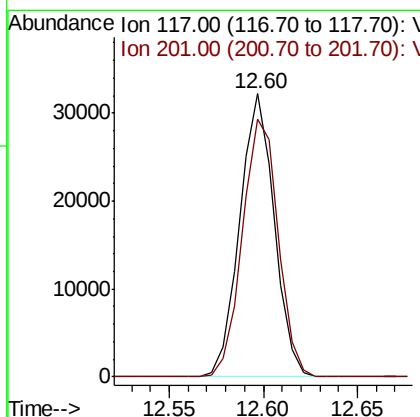
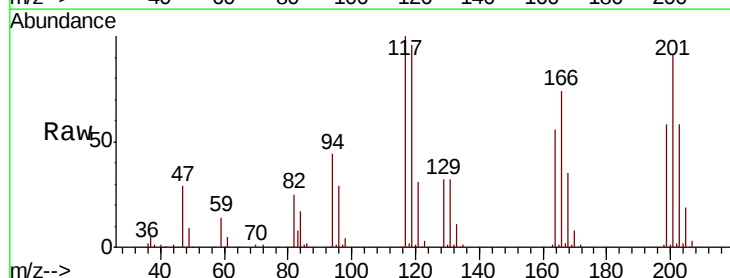
RT: 12.60 min Scan# 1877

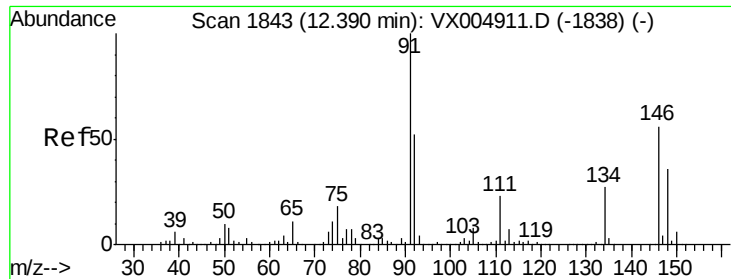
Delta R.T. 0.00 min

Lab File: VX004911.D

Acq: 02 Oct 2018 10:31

Tgt Ion:	117	Resp:	40882
Ion Ratio	Lower	Upper	
117	100		
201	94.3	47.1	141.4





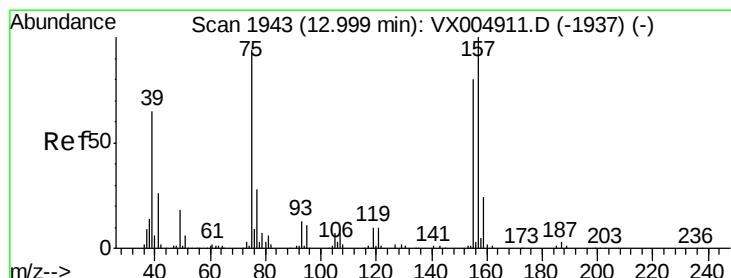
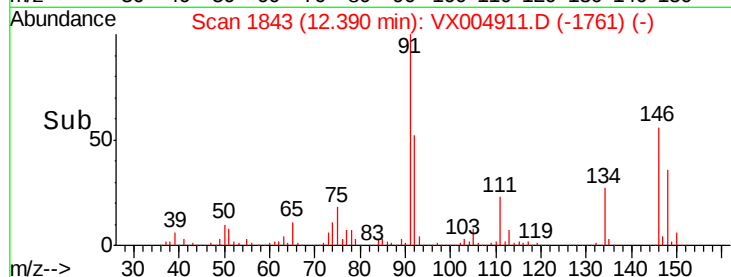
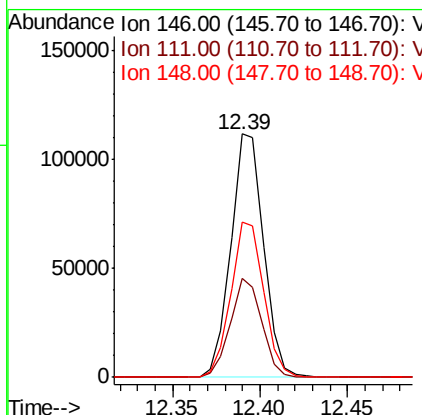
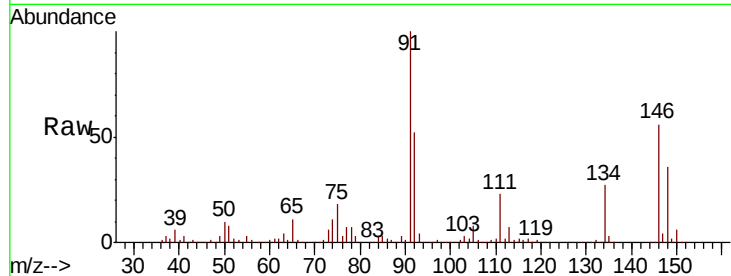
#87
 1,2-Dichlorobenzene
 Concen: 19.444 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX004911.D
 Acq: 02 Oct 2018 10:31

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.6	58.7
148	63.9	31.9	95.9

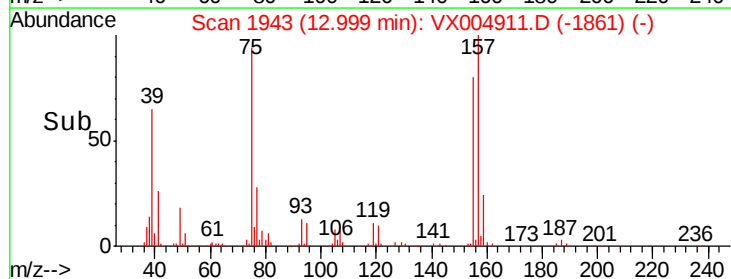
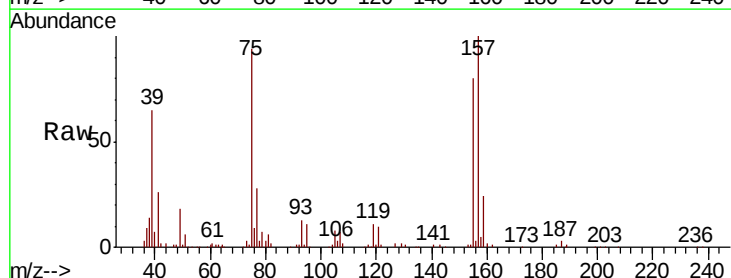
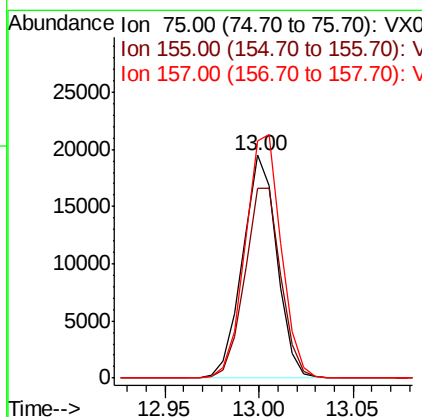
Manual Integrations
 APPROVED

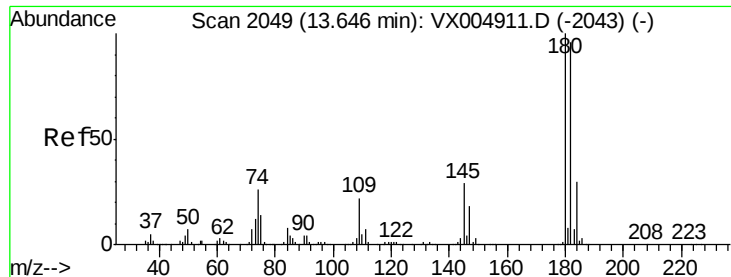
MMDadoda
 10/3/2018 4:23:05 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.698 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX004911.D
 Acq: 02 Oct 2018 10:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.5	71.6	107.4
157	114.1	91.3	136.9





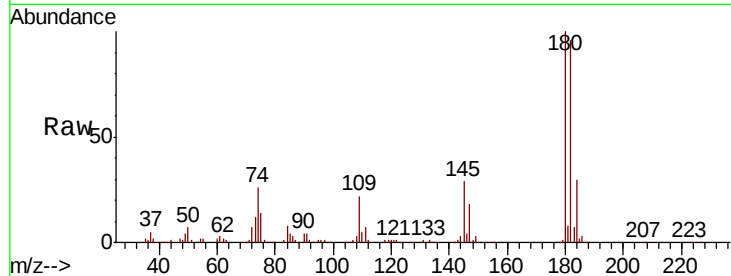
#89
 1,2,4-Trichlorobenzene
 Concen: 18.783 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004911.D
 Acq: 02 Oct 2018 10:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.8	115.2
145	28.2	22.6	33.8

Manual Integrations
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MMDadoda
 10/3/2018 4:23:05 PM

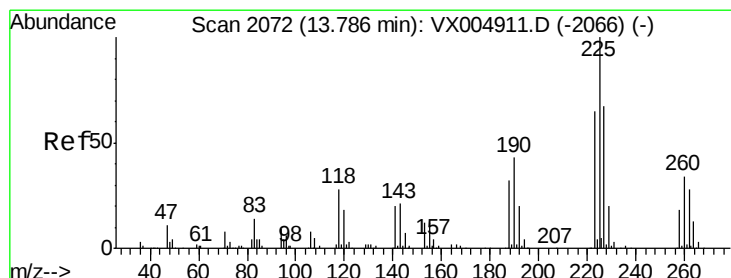
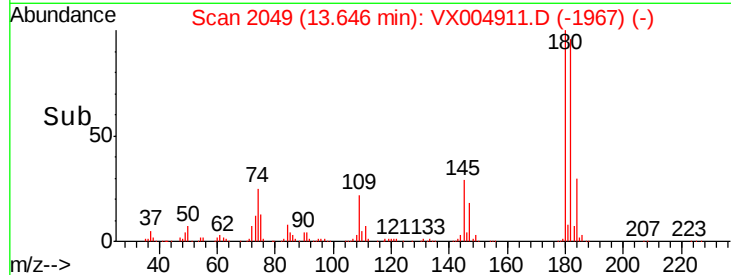
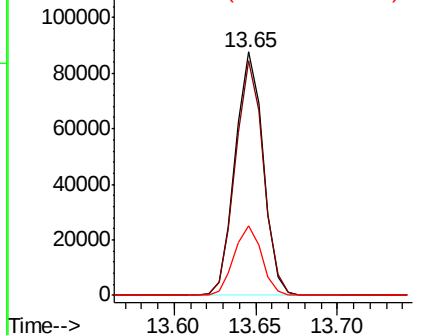


Abundance

Ion 180.00 (179.70 to 180.70): V

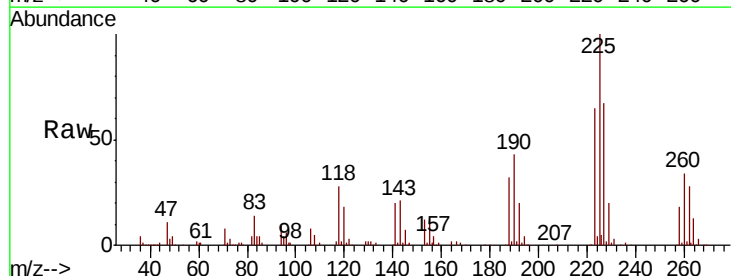
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 18.941 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004911.D
 Acq: 02 Oct 2018 10:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	0.0	126.6
227	64.8	0.0	129.6

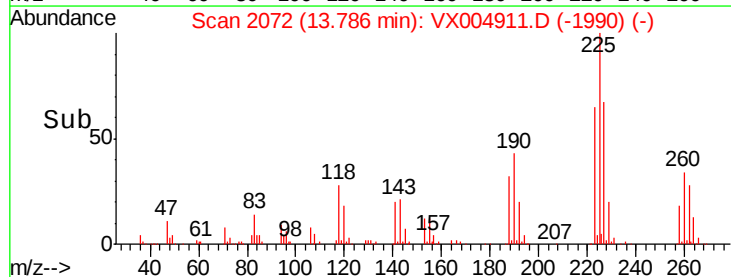
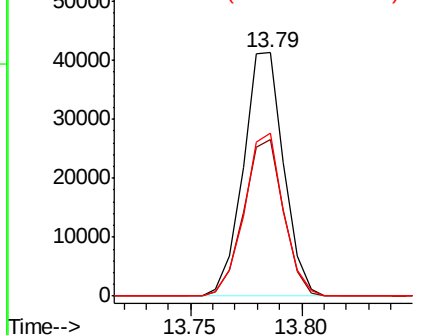


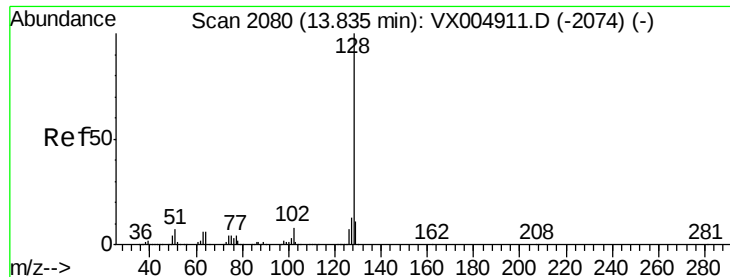
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





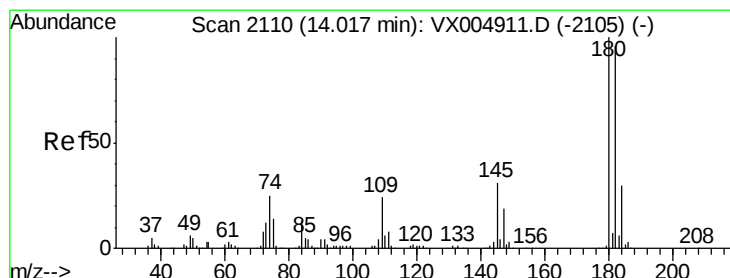
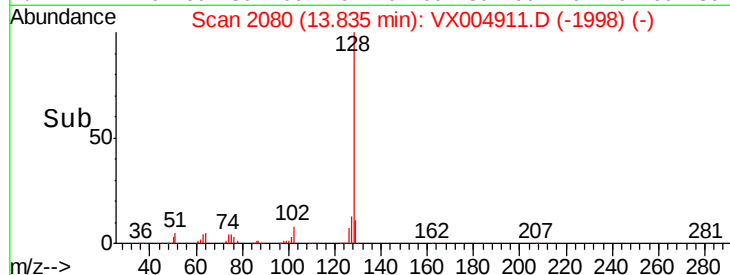
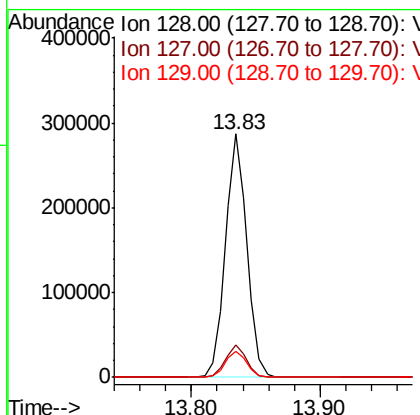
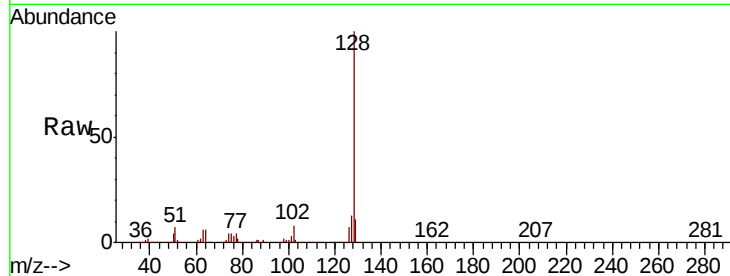
#91
Naphthalene
Concen: 19.317 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004911.D
Acq: 02 Oct 2018 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	336139		
127	13.1	10.5	15.7	
129	10.8	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
10/3/2018 4:23:05 PM



#92
1,2,3-Trichlorobenzene
Concen: 19.076 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
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Acq: 02 Oct 2018 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	109468		
182	96.1	0.0	192.2	
145	30.2	0.0	60.4	

