

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101718\
 Data File : VX005398.D
 Acq On : 17 Oct 2018 18:55
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 12:23:42 PM

Quant Time: Oct 19 01:42:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	297368	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	441883	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	391388	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	219643	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	146553	44.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.82%	
35) Dibromofluoromethane	5.50	113	125657	42.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.86%	
50) Toluene-d8	8.71	98	462384	46.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.04%	
62) 4-Bromofluorobenzene	11.14	95	174697	46.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	112722	48.48	ug/l	98
3) Chloromethane	1.32	50	154115	45.75	ug/l	94
4) Vinyl Chloride	1.40	62	158946	46.57	ug/l	99
5) Bromomethane	1.64	94	92227	47.87	ug/l	96
6) Chloroethane	1.71	64	98875	48.95	ug/l	92
7) Trichlorofluoromethane	1.92	101	226993	49.84	ug/l	93
8) Diethyl Ether	2.19	74	97125	49.94	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.38	101	134361	51.11	ug/l	93
10) Methyl Iodide	2.51	142	159957	55.22	ug/l	99
11) Tert butyl alcohol	3.08	59	246304	264.57	ug/l	99
12) 1,1-Dichloroethene	2.37	96	128582	49.37	ug/l	94
13) Acrolein	2.29	56	163509	275.45	ug/l	96
14) Allyl chloride	2.73	41	283740	49.62	ug/l	94
15) Acrylonitrile	3.15	53	513472	243.39	ug/l	96
16) Acetone	2.44	43	462090	242.16	ug/l #	87
17) Carbon Disulfide	2.57	76	338897	42.95	ug/l	98
18) Methyl Acetate	2.78	43	279866	51.55	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	490850	53.51	ug/l	97
20) Methylene Chloride	2.85	84	145532	52.40	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	137293	47.57	ug/l	96
22) Diisopropyl ether	3.87	45	467942	48.72	ug/l	93
23) Vinyl Acetate	3.82	43	2026640	241.42	ug/l #	94
24) 1,1-Dichloroethane	3.69	63	272323	49.47	ug/l	96
25) 2-Butanone	4.70	43	713992	255.73	ug/l #	88
26) 2,2-Dichloropropane	4.59	77	198683	48.26	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	155976	49.72	ug/l	96
28) Bromochloromethane	5.01	49	126895	50.57	ug/l	94
29) Tetrahydrofuran	5.16	42	438166	246.04	ug/l	95
30) Chloroform	5.21	83	249959	48.92	ug/l	99
31) Cyclohexane	5.58	56	233227	51.41	ug/l #	80
32) 1,1,1-Trichloroethane	5.49	97	215385	48.45	ug/l	99
36) 1,1-Dichloropropene	5.80	75	191531	44.75	ug/l	98
37) Ethyl Acetate	4.86	43	246747	44.83	ug/l	99
38) Carbon Tetrachloride	5.77	117	197667	45.97	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	219916	47.48	ug/l	96
40) Benzene	6.14	78	552791	43.06	ug/l	100
41) Methacrylonitrile	5.06	41	136374	46.22	ug/l	97
42) 1,2-Dichloroethane	6.20	62	198855	43.87	ug/l	98
43) Isopropyl Acetate	6.46	43	376201	51.31	ug/l	97
44) Trichloroethene	7.21	130	157375	47.98	ug/l	99
45) 1,2-Dichloropropane	7.52	63	148140	47.04	ug/l	98
46) Dibromomethane	7.66	93	94107	45.28	ug/l	98
47) Bromodichloromethane	7.90	83	183073	47.62	ug/l	99
48) Methyl methacrylate	7.77	41	184275	48.46	ug/l	95
49) 1,4-Dioxane	7.75	88	86186	982.71	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1248736	245.99	ug/l	97
52) Toluene	8.79	92	347807	49.52	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	210270	50.54	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	228828	50.76	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	145799	49.01	ug/l	98
56) Ethyl methacrylate	9.18	69	231093	53.29	ug/l	96
57) 1,3-Dichloropropane	9.37	76	240040	48.34	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	633565	260.50	ug/l	96
59) 2-Hexanone	9.50	43	990368	242.53	ug/l	95
60) Dibromochloromethane	9.59	129	152579	49.62	ug/l	100
61) 1,2-Dibromoethane	9.67	107	150040	48.06	ug/l	100
64) Tetrachloroethene	9.34	164	155307	49.29	ug/l	99
65) Chlorobenzene	10.14	112	396124	47.58	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	145673	49.10	ug/l	99
67) Ethyl Benzene	10.25	91	673509	49.76	ug/l	97
68) m/p-Xylenes	10.36	106	526245	100.18	ug/l	96
69) o-Xylene	10.70	106	255141	50.36	ug/l	98
70) Styrene	10.71	104	429139	51.50	ug/l	98
71) Bromoform	10.86	173	129811	48.96	ug/l	99
73) Isopropylbenzene	11.02	105	693460	53.11	ug/l	100
74) N-amyl acetate	10.90	43	329564	52.33	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	237213	48.16	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	222990m	52.34	ug/l	
77) Bromobenzene	11.26	156	187252	50.16	ug/l	99
78) n-propylbenzene	11.36	91	789177	52.52	ug/l	100
79) 2-Chlorotoluene	11.42	91	469299	51.00	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	586619	52.46	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	70255	50.10	ug/l	95
82) 4-Chlorotoluene	11.51	91	551365	50.55	ug/l	100
83) tert-Butylbenzene	11.77	119	595417	52.59	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	606697	52.73	ug/l	99
85) sec-Butylbenzene	11.94	105	712523	53.17	ug/l	99
86) p-Isopropyltoluene	12.07	119	643724	53.15	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	347366	49.79	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	349200	48.93	ug/l	99
89) n-Butylbenzene	12.39	91	570559	51.89	ug/l	98
90) Hexachloroethane	12.60	117	103622	49.65	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	349613	49.11	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	57493	47.85	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	272708	52.21	ug/l	99
94) Hexachlorobutadiene	13.79	225	135559	49.14	ug/l	96
95) Naphthalene	13.83	128	833218	55.01	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	274910	51.44	ug/l	100

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

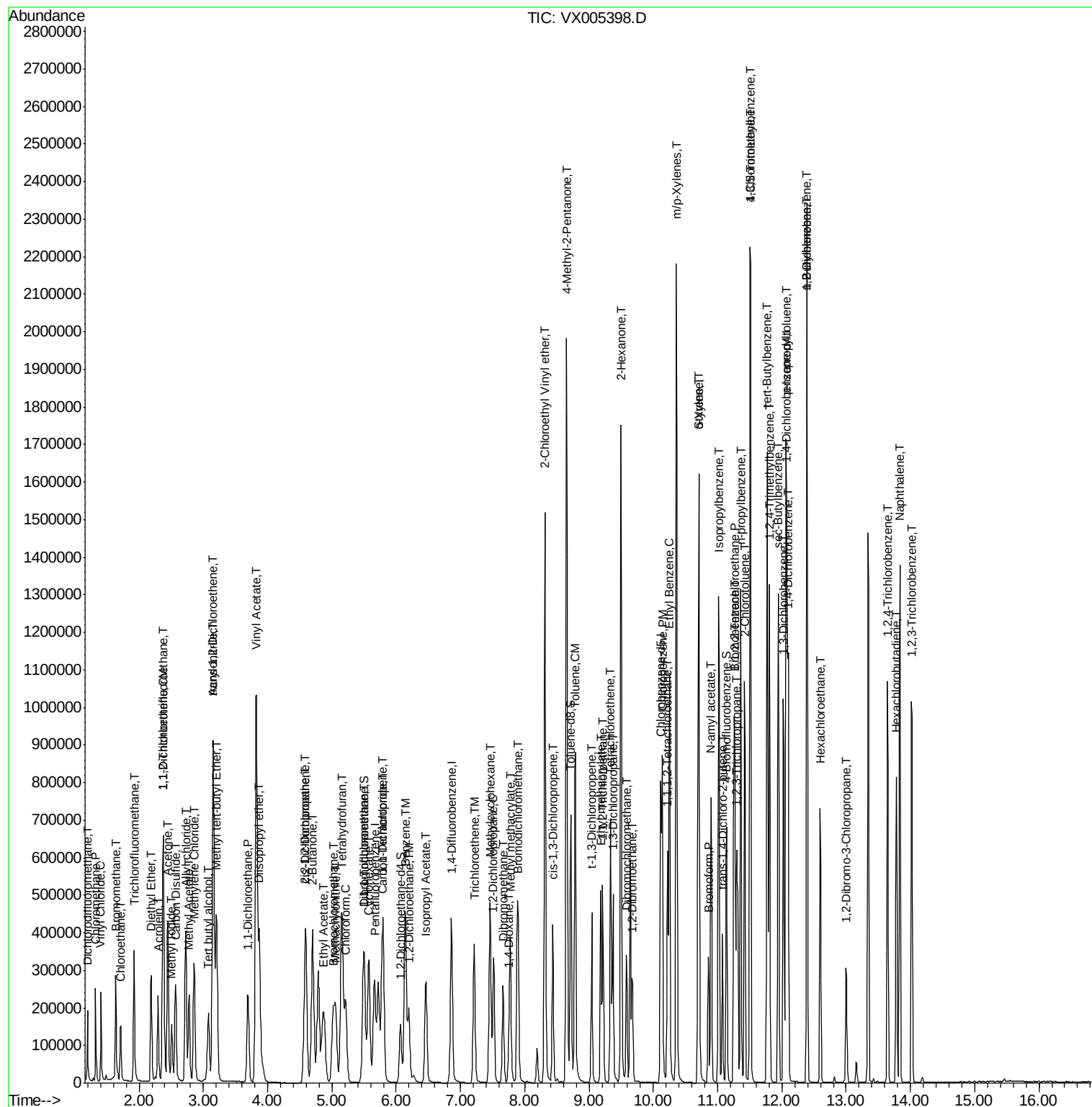
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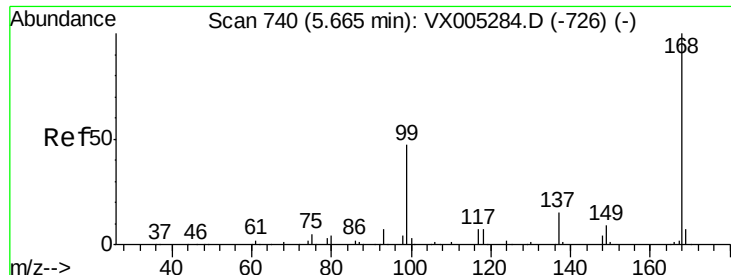
Instrument :
 MSVOA_X
 ClientSampleID :
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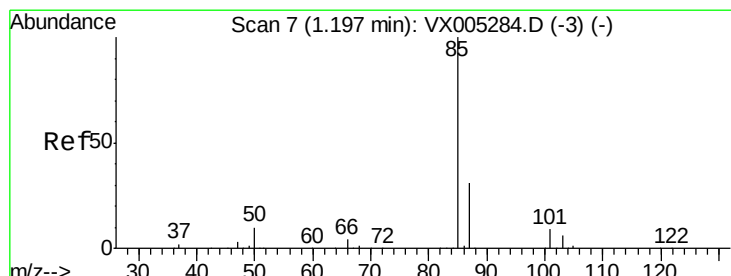
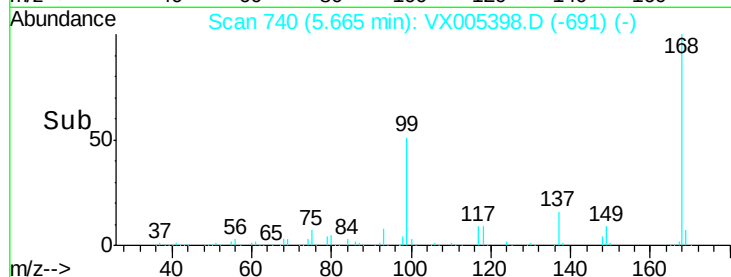
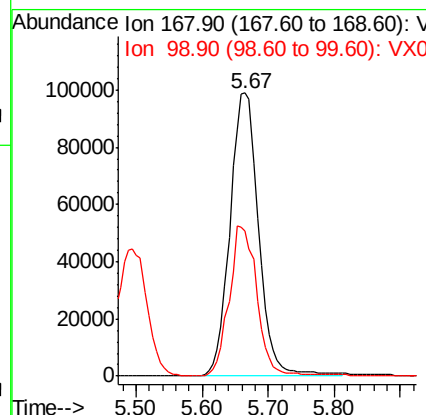
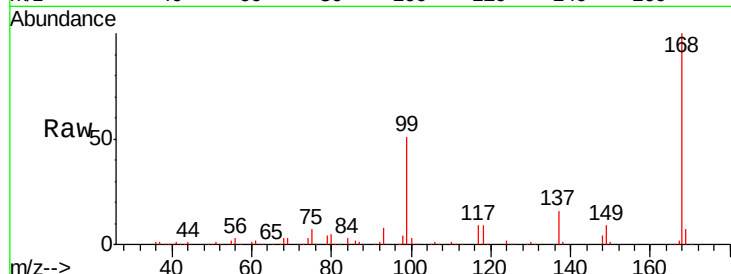
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.00 min
Lab File: VX005398.D
Acq: 17 Oct 2018 18:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
168	100		
99	51.3	39.9	59.9

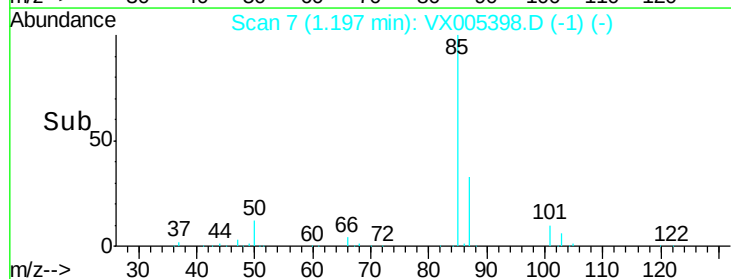
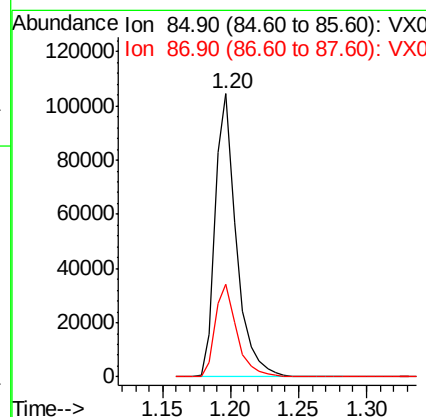
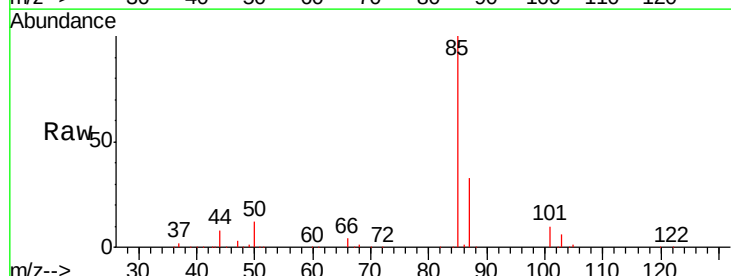
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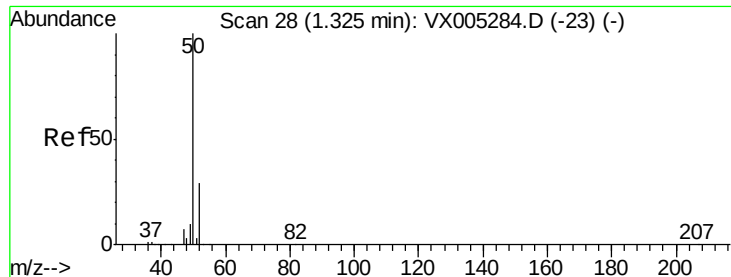
MMDadoda
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#2
Dichlorodifluoromethane
Concen: 48.48 ug/l
RT: 1.20 min Scan# 7
Delta R.T. 0.00 min
Lab File: VX005398.D
Acq: 17 Oct 2018 18:55

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.9	17.0	50.9





#3

Chloromethane

Concen: 45.75 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005398.D

Acq: 17 Oct 2018 18:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 154115

Ion Ratio Lower Upper

50 100

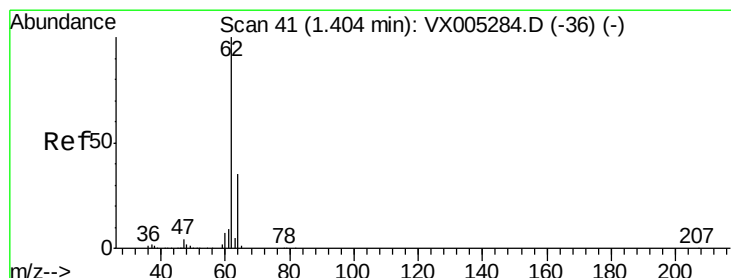
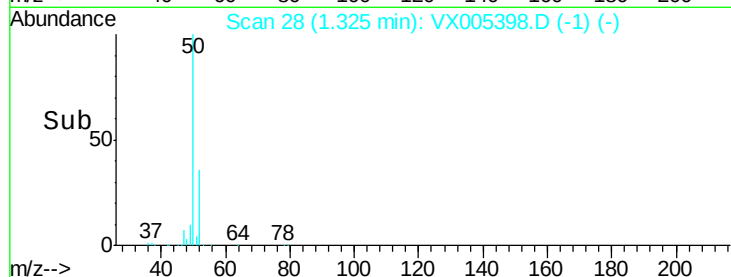
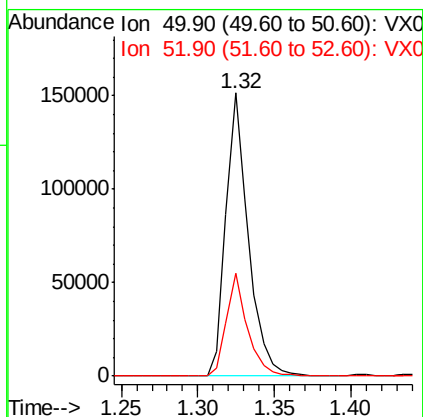
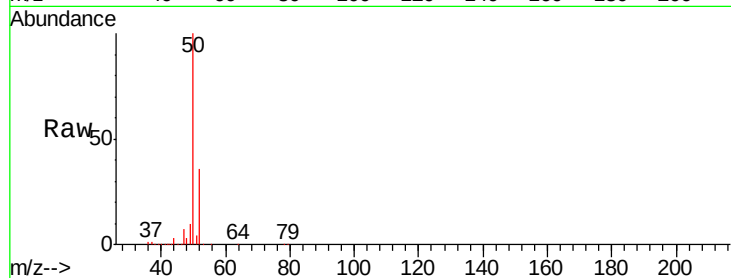
52 36.2 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.57 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005398.D

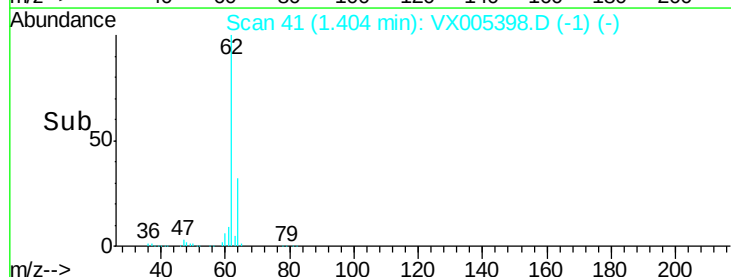
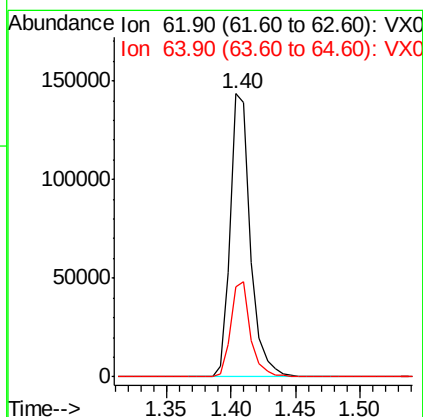
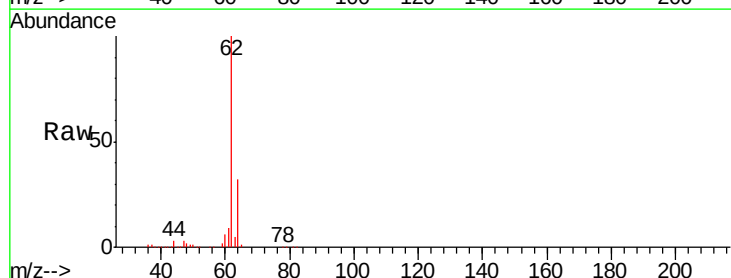
Acq: 17 Oct 2018 18:55

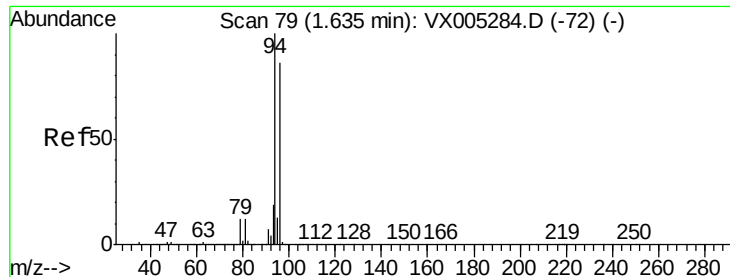
Tgt Ion: 62 Resp: 158946

Ion Ratio Lower Upper

62 100

64 31.6 25.8 38.8





#5

Bromomethane

Concen: 47.87 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005398.D

Acq: 17 Oct 2018 18:55

Tgt Ion: 94 Resp: 92227

Ion Ratio Lower Upper

94 100

96 97.4 74.5 111.7

Instrument :

MSVOA_X

ClientSampleId :

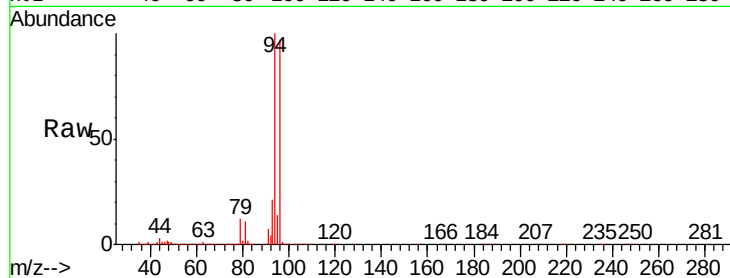
VSTDCCC050

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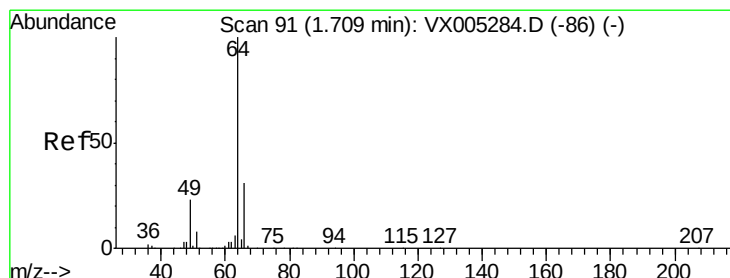
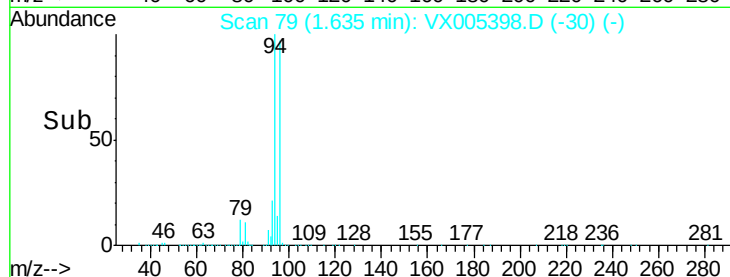
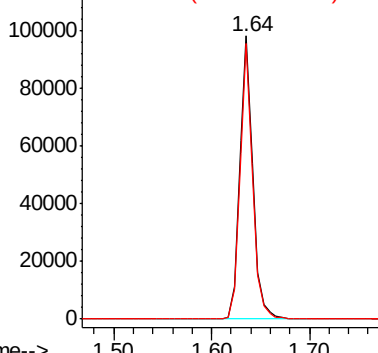
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 48.95 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005398.D

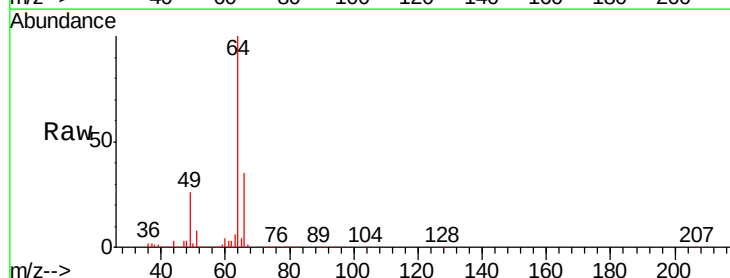
Acq: 17 Oct 2018 18:55

Tgt Ion: 64 Resp: 98875

Ion Ratio Lower Upper

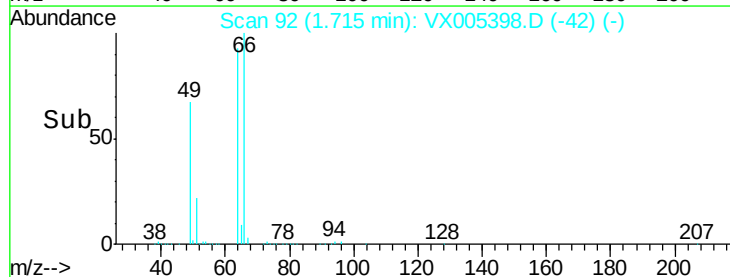
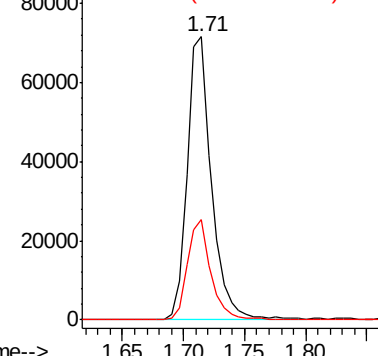
64 100

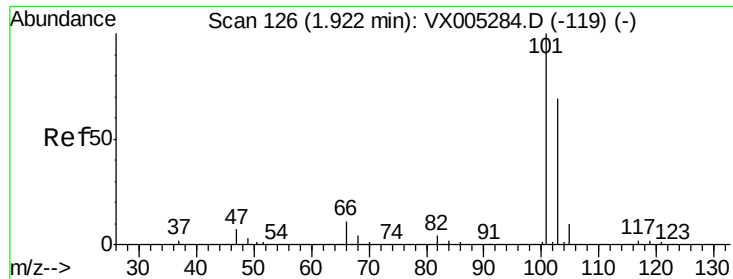
66 35.3 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 49.84 ug/l

RT: 1.92 min Scan# 126

Delta R.T. 0.00 min

Lab File: VX005398.D

Acq: 17 Oct 2018 18:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 101 Resp: 226993

Ion Ratio Lower Upper

101 100

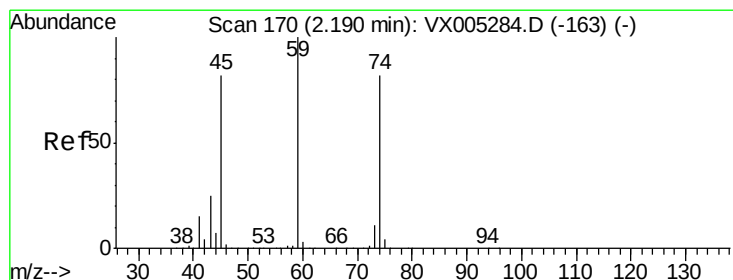
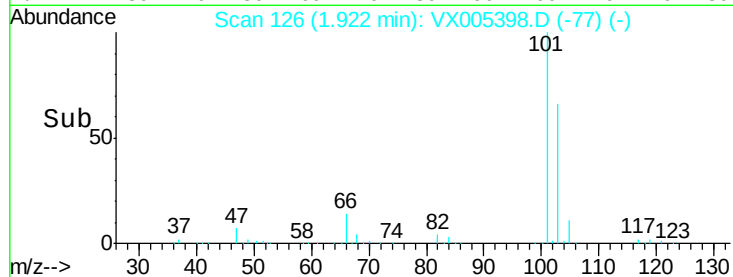
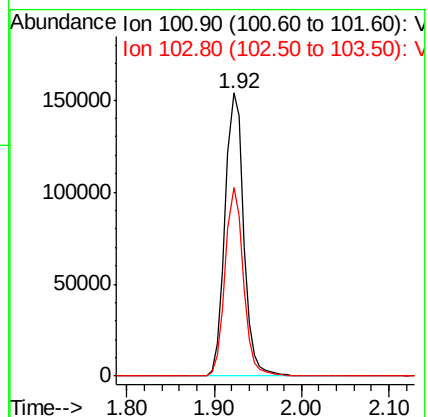
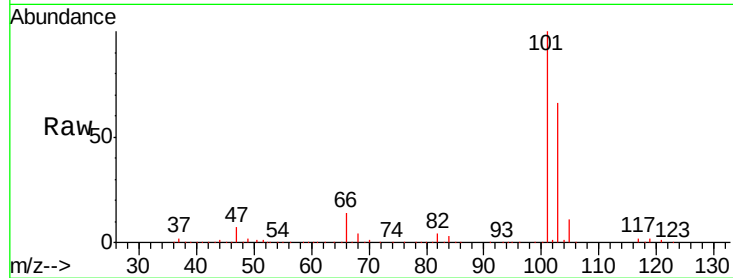
103 66.5 48.9 73.3

Manual Integrations

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#8

Diethyl Ether

Concen: 49.94 ug/l

RT: 2.19 min Scan# 170

Delta R.T. 0.00 min

Lab File: VX005398.D

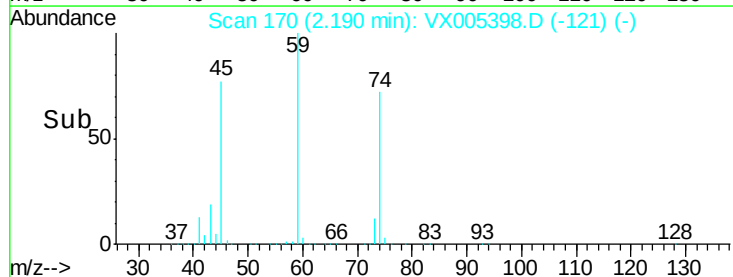
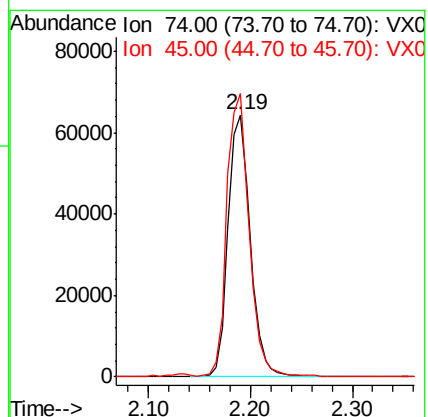
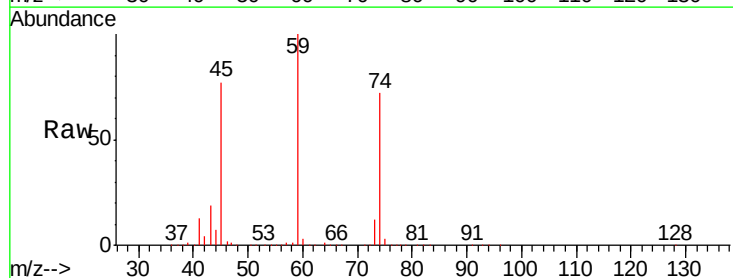
Acq: 17 Oct 2018 18:55

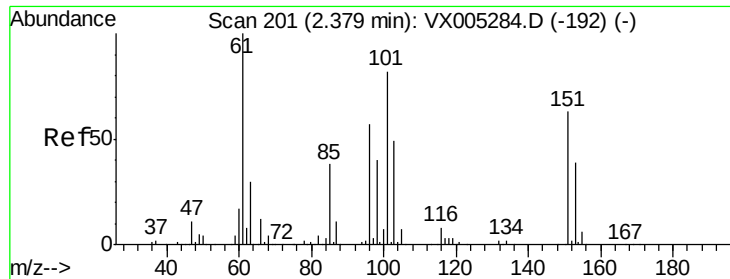
Tgt Ion: 74 Resp: 97125

Ion Ratio Lower Upper

74 100

45 107.4 48.3 144.8





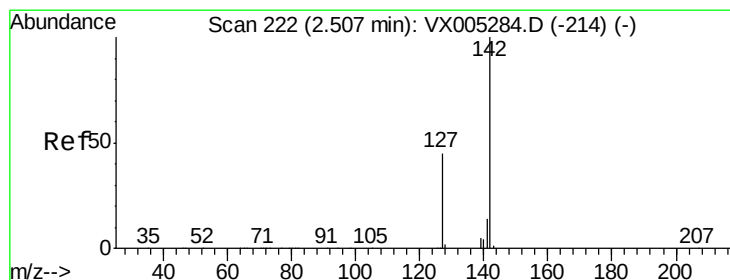
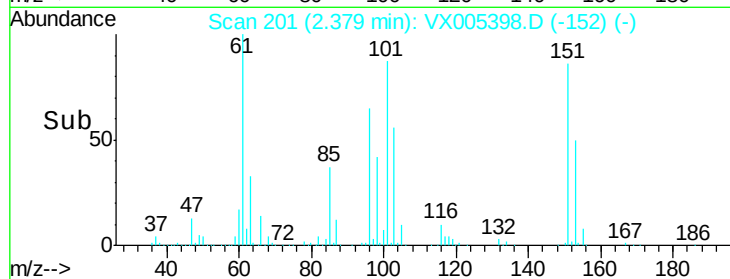
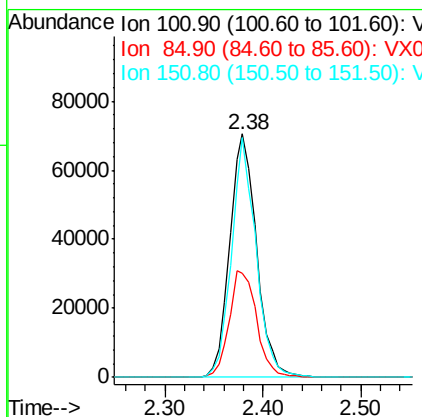
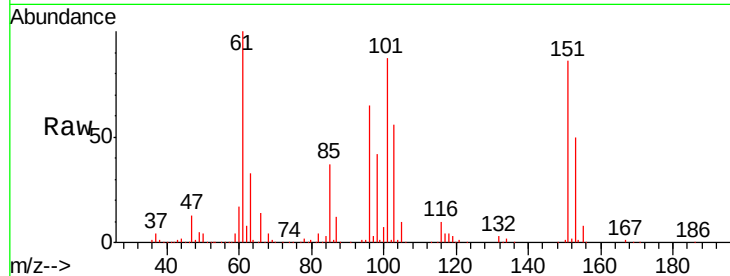
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 51.11 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. 0.00 min
 Lab File: VX005398.D
 Acq: 17 Oct 2018 18:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	134361		
85	44.8	34.2	51.4	
151	90.0	65.0	97.6	

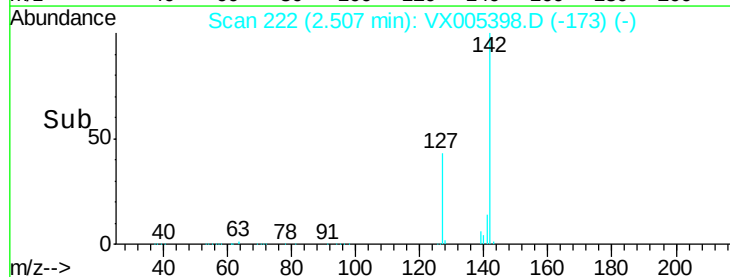
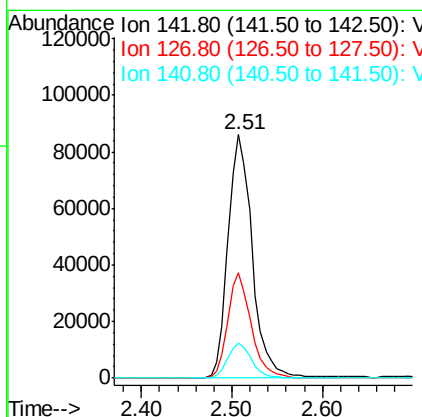
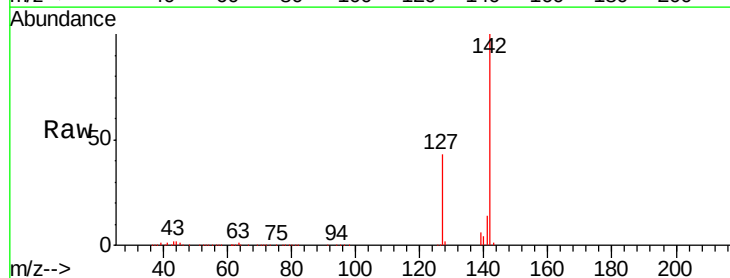
Manual Integrations
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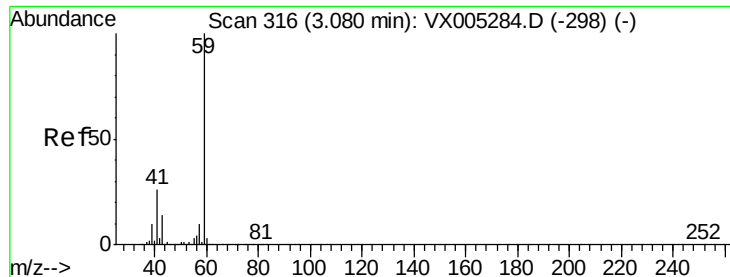
MMDadoda
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#10
 Methyl Iodide
 Concen: 55.22 ug/l
 RT: 2.51 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VX005398.D
 Acq: 17 Oct 2018 18:55

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	159957		
127	41.6	33.8	50.6	
141	14.2	11.4	17.0	





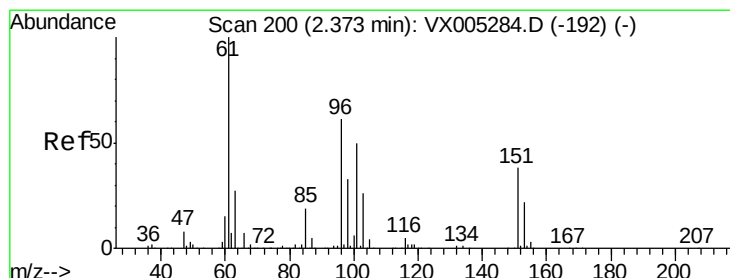
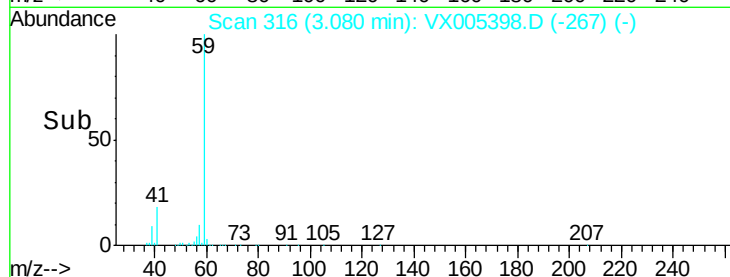
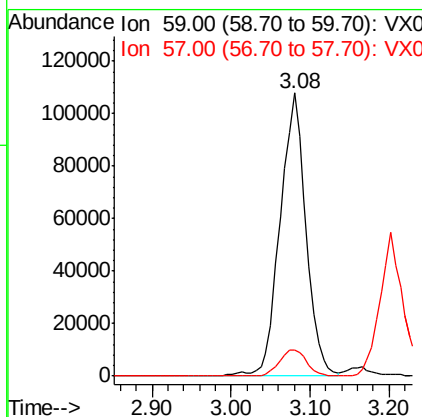
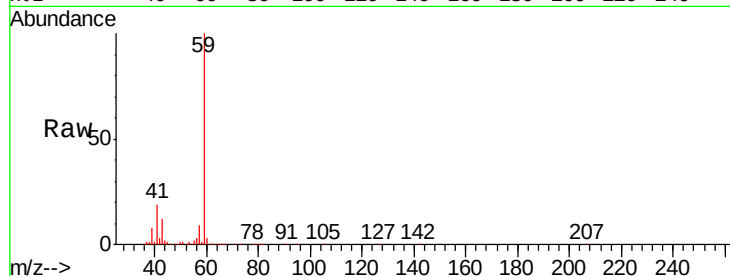
#11
Tert butyl alcohol
Concen: 264.57 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX005398.D
Acq: 17 Oct 2018 18:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.2	12.4

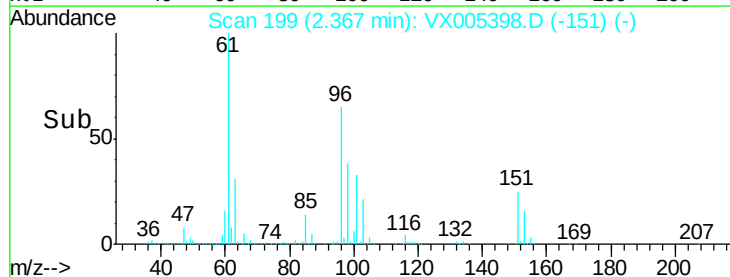
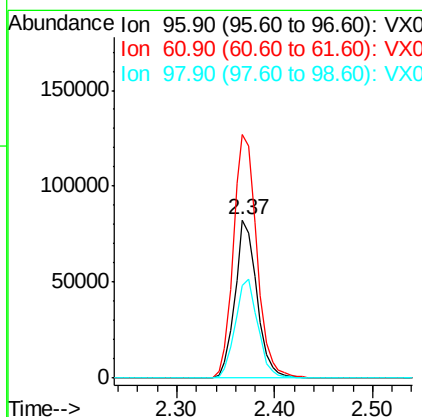
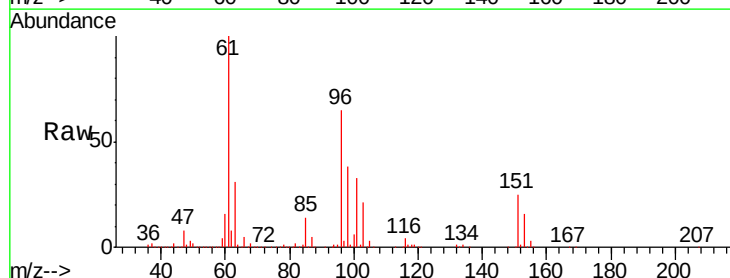
Manual Integrations
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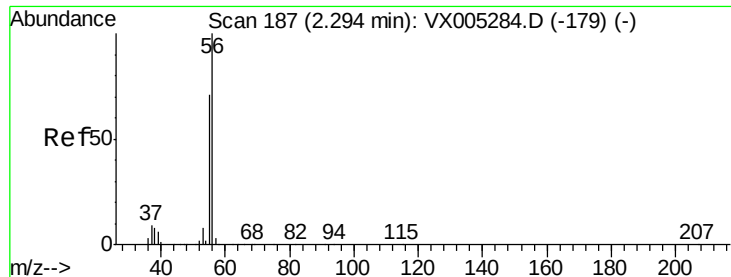
MMDadoda
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#12
1,1-Dichloroethene
Concen: 49.37 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX005398.D
Acq: 17 Oct 2018 18:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.2	128.8	193.2
98	58.5	52.2	78.2





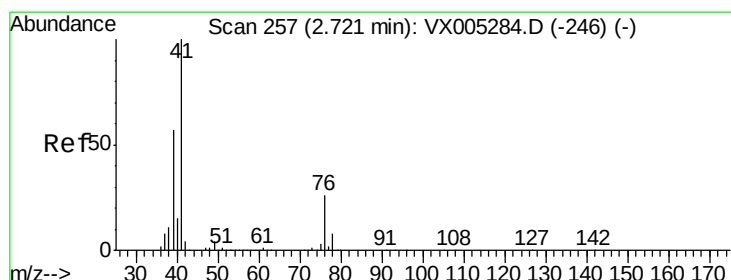
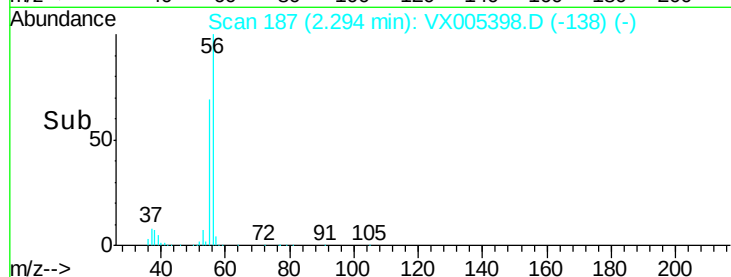
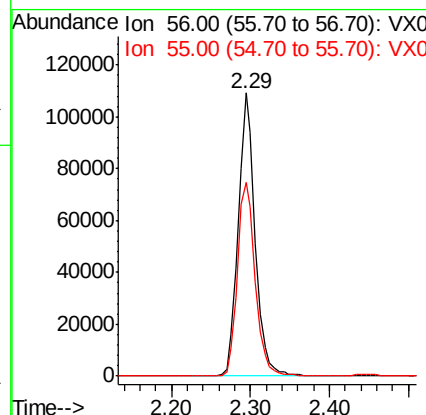
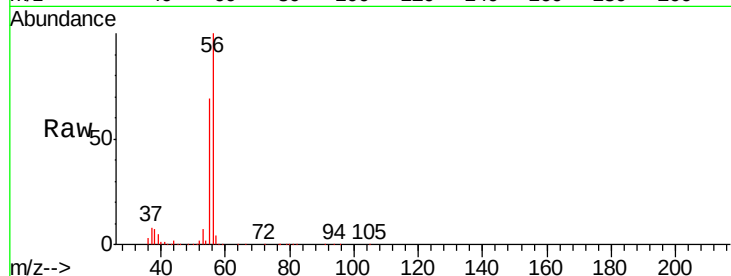
#13
Acrolein
Concen: 275.45 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX005398.D
Acq: 17 Oct 2018 18:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
55	71.8	54.7	82.1

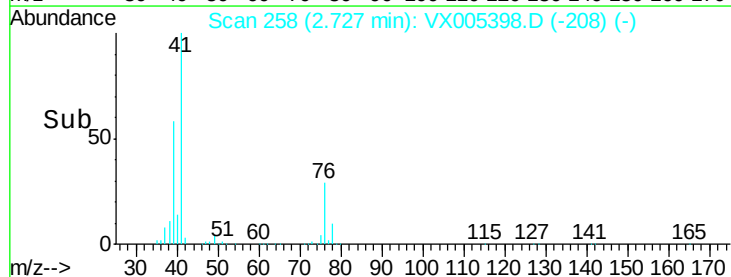
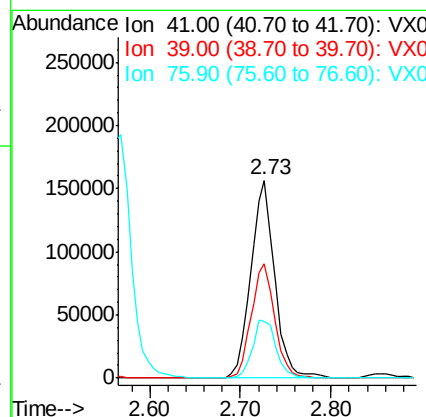
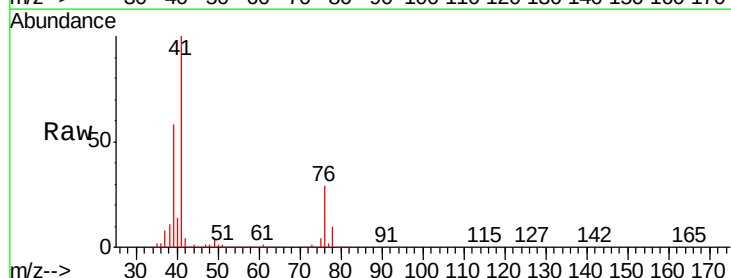
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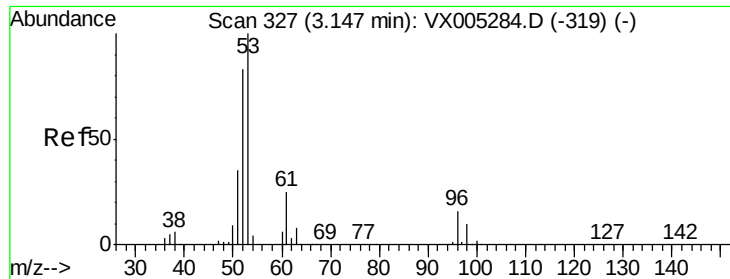
MMDadoda
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#14
Allyl chloride
Concen: 49.62 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.01 min
Lab File: VX005398.D
Acq: 17 Oct 2018 18:55

Tgt Ion	Ratio	Lower	Upper
41	100		
39	56.8	48.9	73.3
76	29.4	26.7	40.1





#15

Acrylonitrile

Concen: 243.39 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX005398.D

Acq: 17 Oct 2018 18:55

Instrument :

MSVOA_X

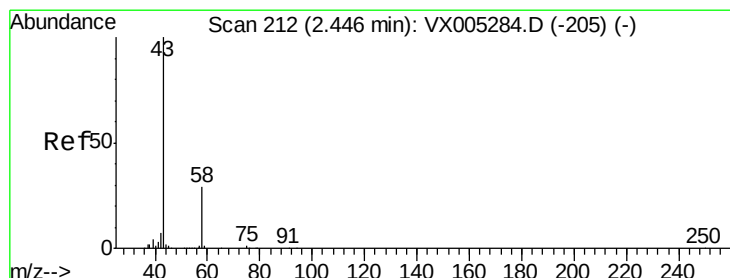
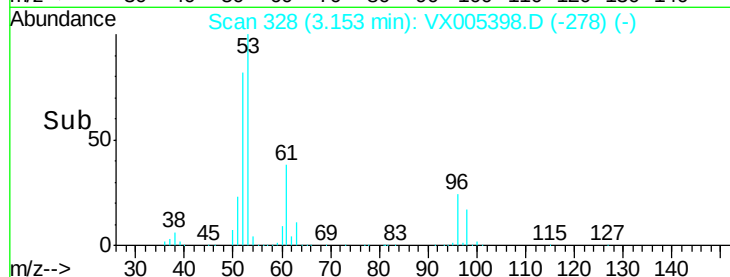
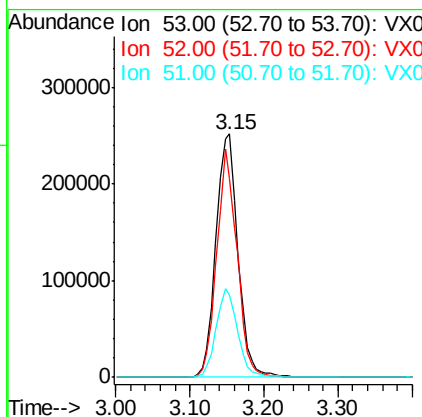
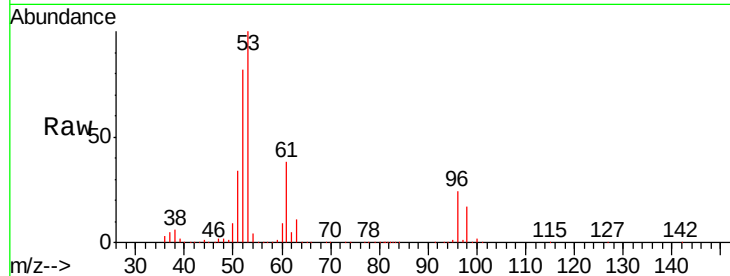
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	513472
Ion	Ratio	Lower	Upper
53	100		
52	86.0	65.2	97.8
51	35.4	28.2	42.2

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#16

Acetone

Concen: 242.16 ug/l

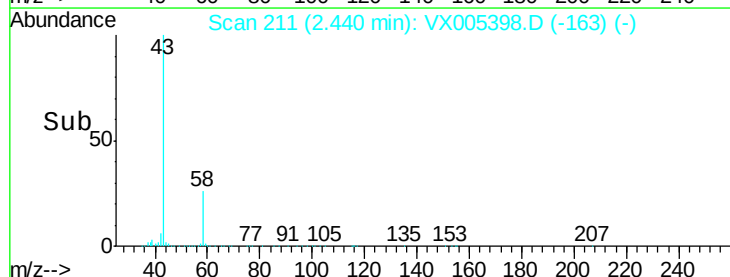
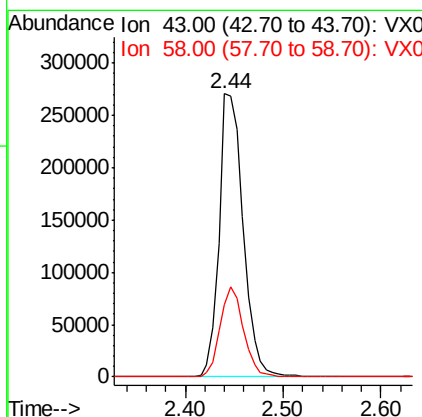
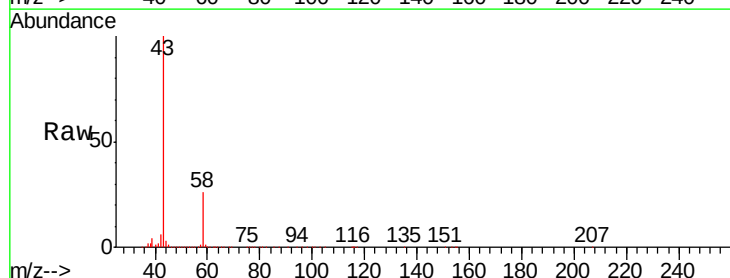
RT: 2.44 min Scan# 211

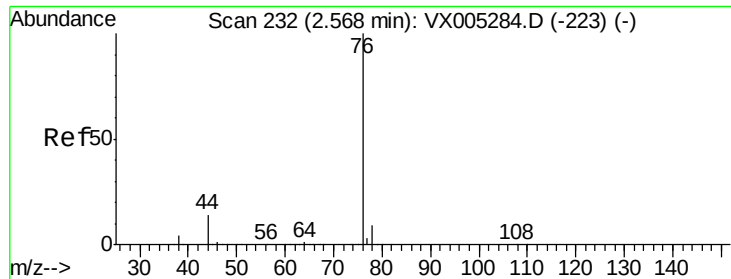
Delta R.T. -0.01 min

Lab File: VX005398.D

Acq: 17 Oct 2018 18:55

Tgt Ion:	43	Resp:	462090
Ion	Ratio	Lower	Upper
43	100		
58	25.6	26.2	39.4#





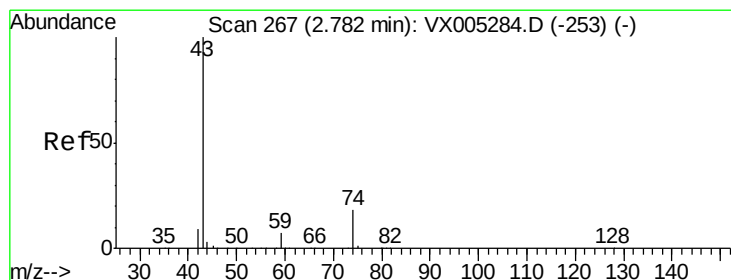
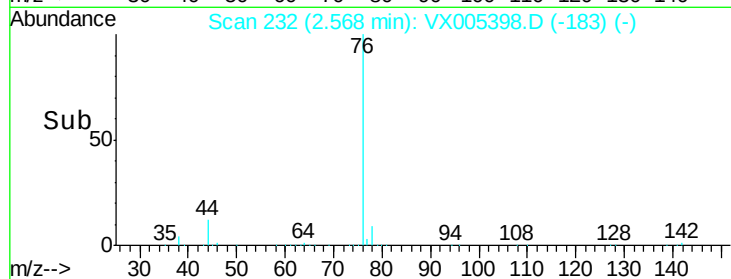
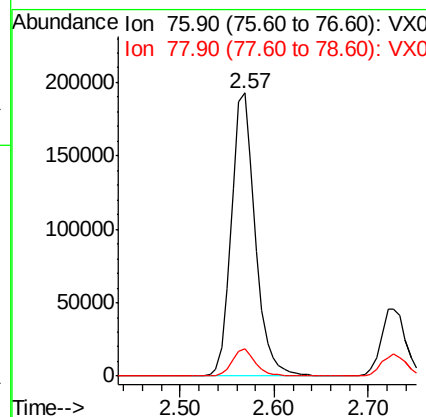
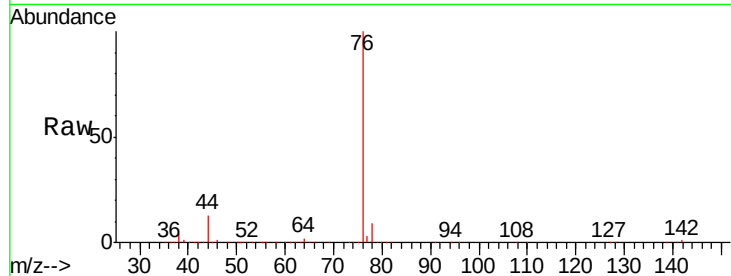
#17
Carbon Disulfide
Concen: 42.95 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX005398.D
Acq: 17 Oct 2018 18:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.0	10.6

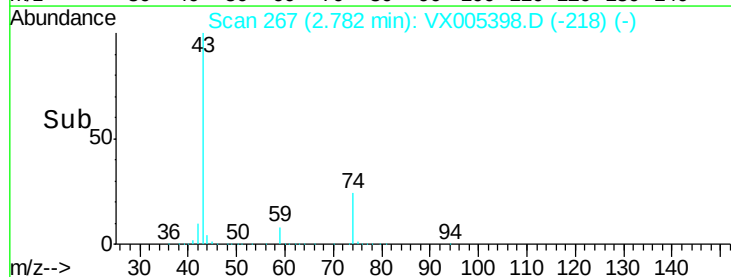
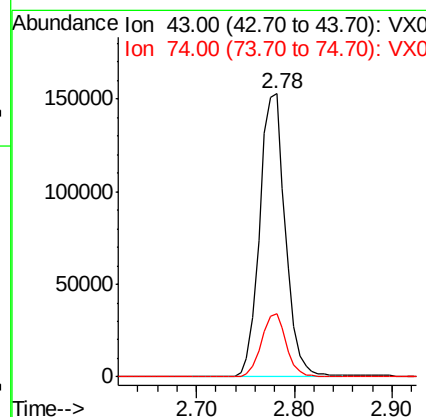
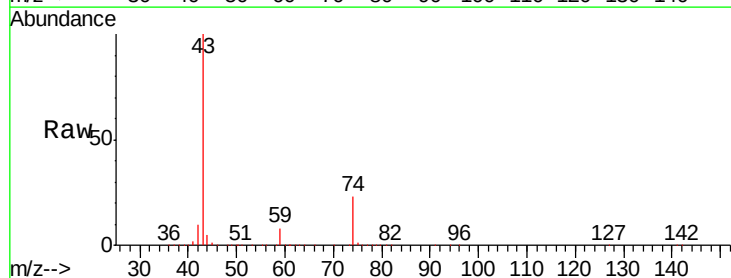
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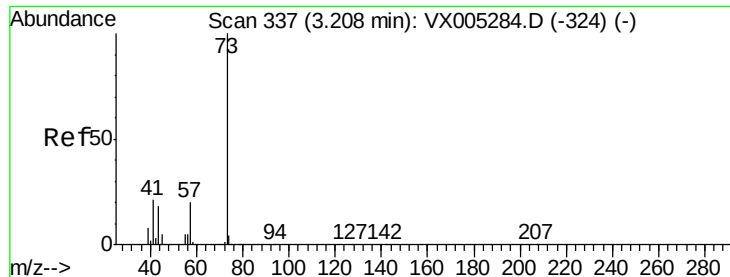
MMDadoda
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#18
Methyl Acetate
Concen: 51.55 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX005398.D
Acq: 17 Oct 2018 18:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	19.4	29.2





#19

Methyl tert-butyl Ether

Concen: 53.51 ug/l

RT: 3.21 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX005398.D

Acq: 17 Oct 2018 18:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 490850

Ion Ratio Lower Upper

73 100

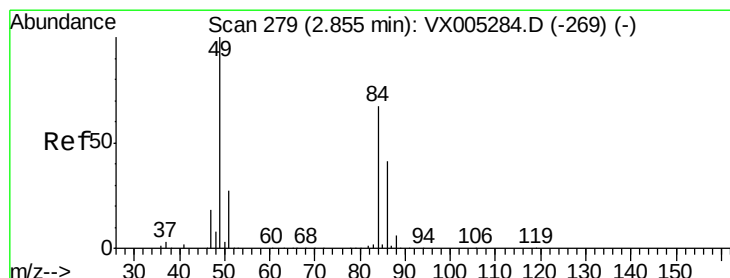
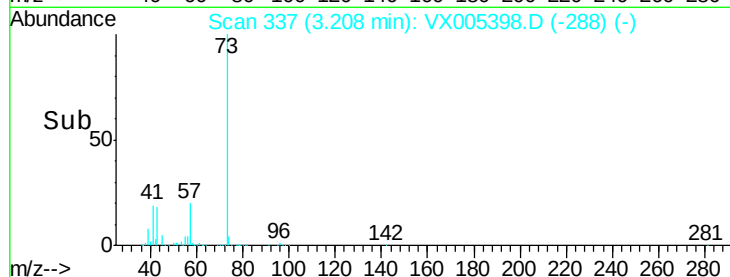
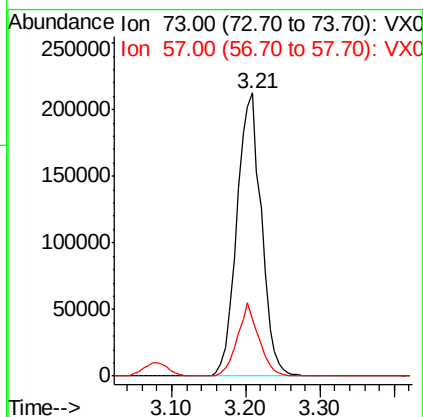
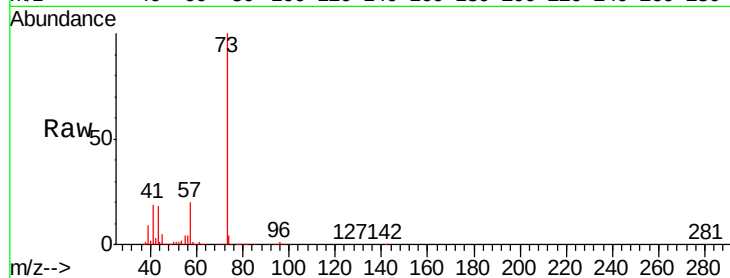
57 19.9 17.1 25.7

Manual Integrations

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#20

Methylene Chloride

Concen: 52.40 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX005398.D

Acq: 17 Oct 2018 18:55

Tgt Ion: 84 Resp: 145532

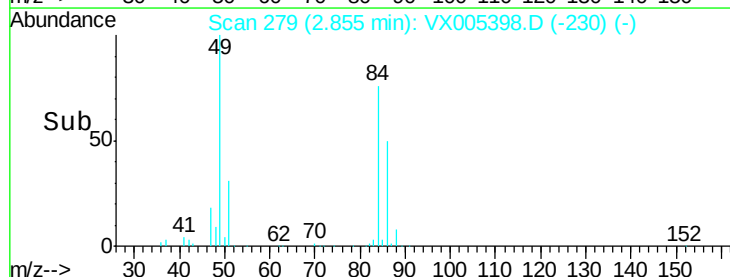
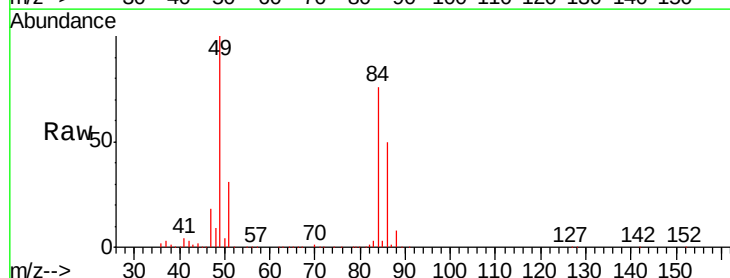
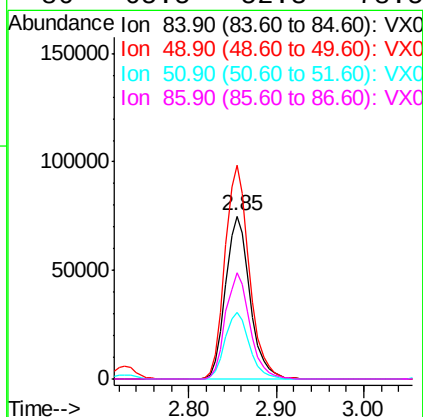
Ion Ratio Lower Upper

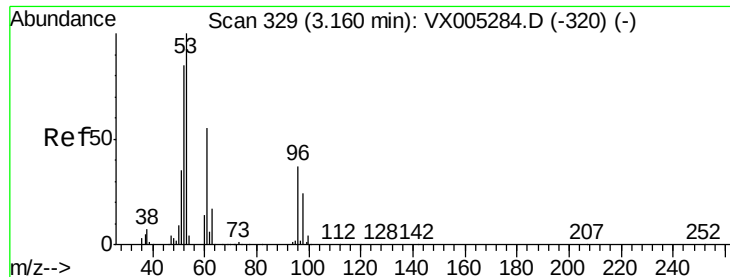
84 100

49 131.1 101.2 151.8

51 40.4 29.5 44.3

86 65.5 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 47.57 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX005398.D

Acq: 17 Oct 2018 18:55

Instrument :

MSVOA_X

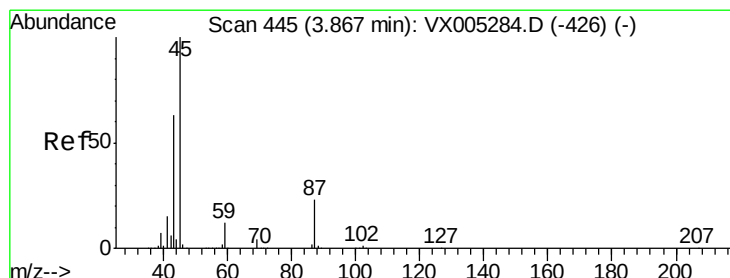
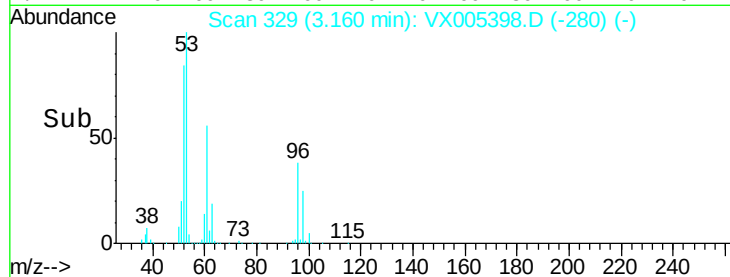
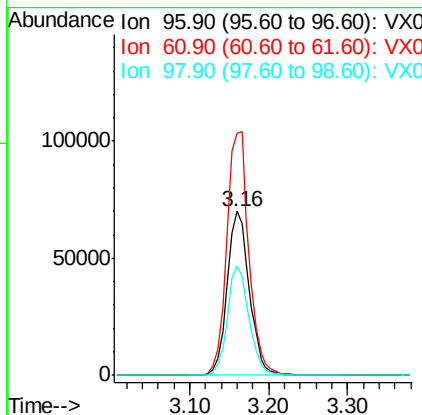
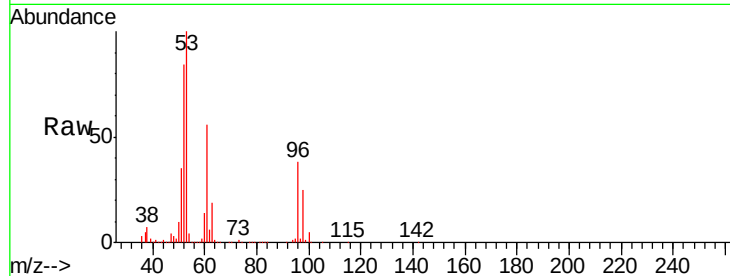
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	137293
Ion	Ratio	Lower	Upper
96	100		
61	148.1	113.8	170.6
98	66.4	51.8	77.8

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#22

Diisopropyl ether

Concen: 48.72 ug/l

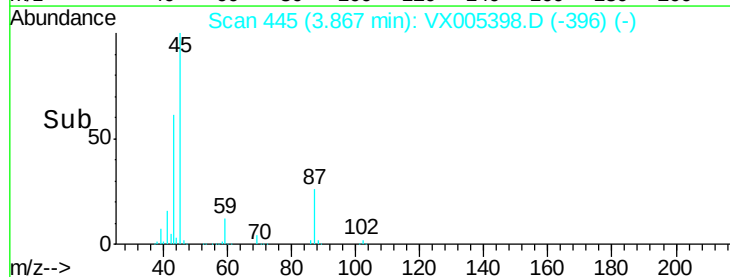
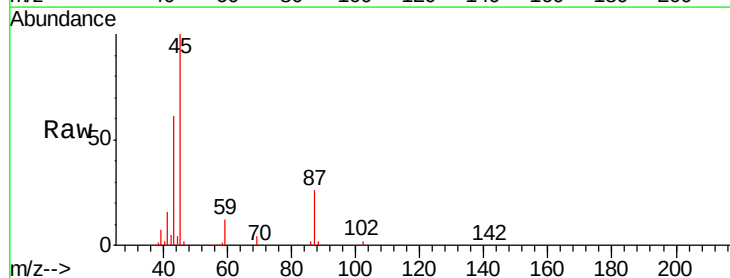
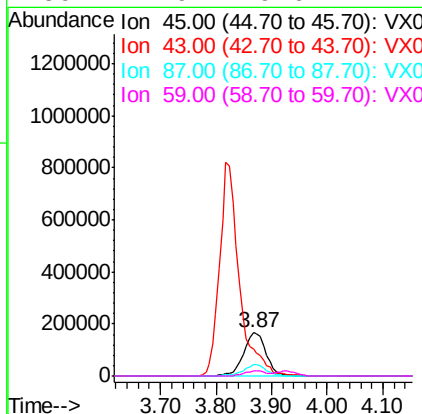
RT: 3.87 min Scan# 445

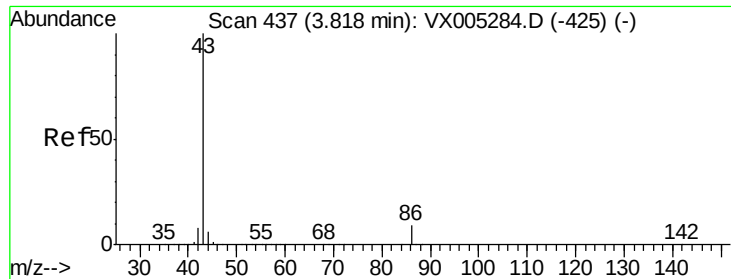
Delta R.T. 0.00 min

Lab File: VX005398.D

Acq: 17 Oct 2018 18:55

Tgt Ion:	45	Resp:	467942
Ion	Ratio	Lower	Upper
45	100		
43	61.1	42.8	64.2
87	25.9	22.6	34.0
59	11.9	9.6	14.4





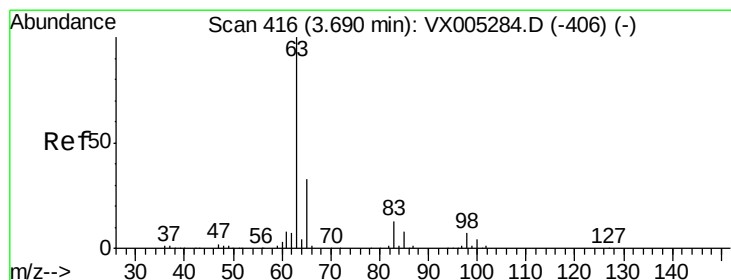
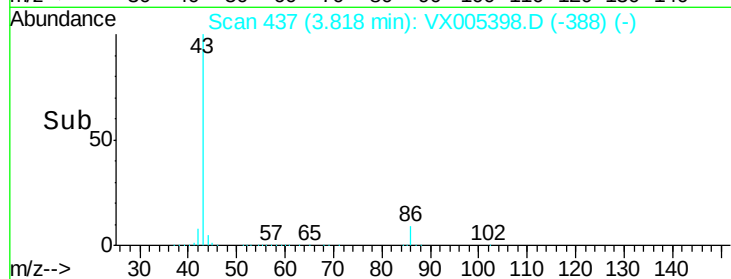
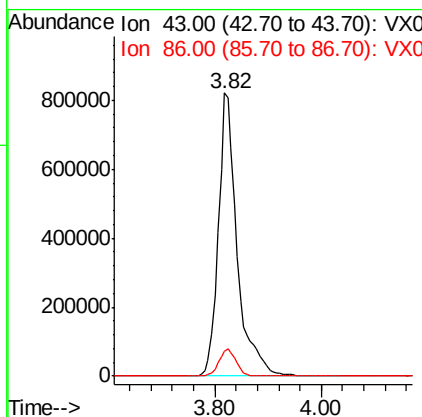
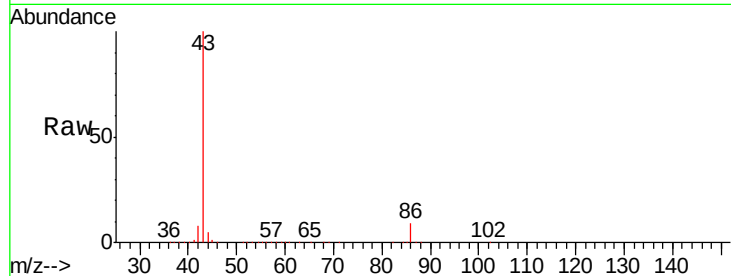
#23
 Vinyl Acetate
 Concen: 241.42 ug/l
 RT: 3.82 min Scan# 437
 Delta R.T. 0.00 min
 Lab File: VX005398.D
 Acq: 17 Oct 2018 18:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 2026640
 Ion Ratio Lower Upper
 43 100
 86 8.9 8.9 13.3#

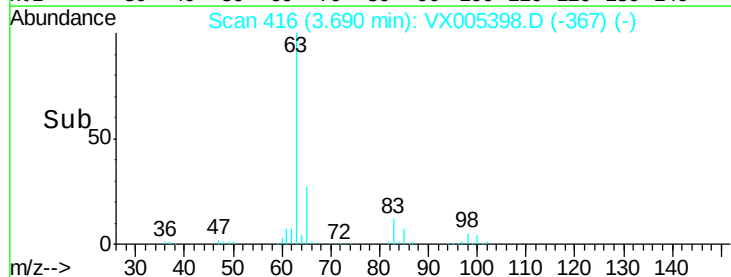
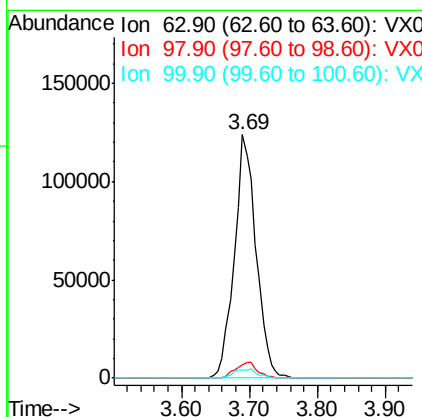
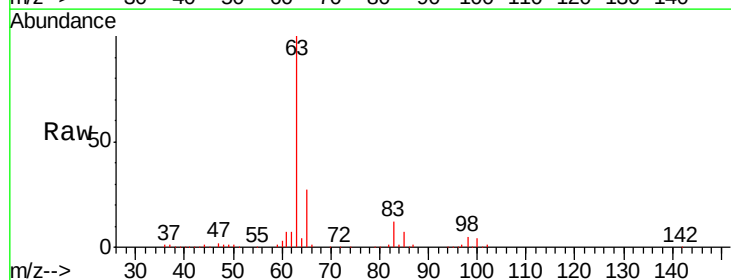
Manual Integrations
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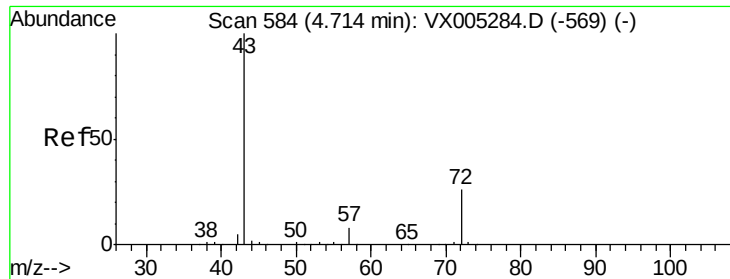
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 49.47 ug/l
 RT: 3.69 min Scan# 416
 Delta R.T. 0.00 min
 Lab File: VX005398.D
 Acq: 17 Oct 2018 18:55

Tgt Ion: 63 Resp: 272323
 Ion Ratio Lower Upper
 63 100
 98 5.3 3.5 10.4
 100 3.5 2.4 7.1





#25

2-Butanone

Concen: 255.73 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005398.D

Acq: 17 Oct 2018 18:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 713992

Ion Ratio Lower Upper

43 100

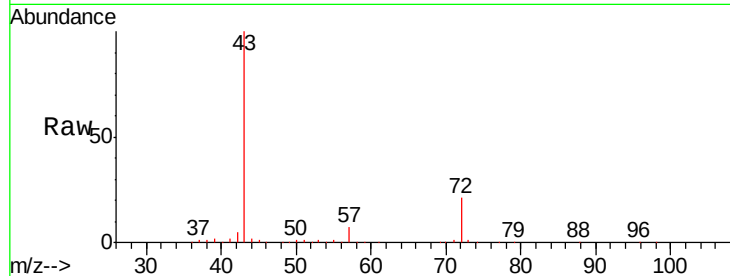
72 21.2 22.0 33.0#

Manual Integrations

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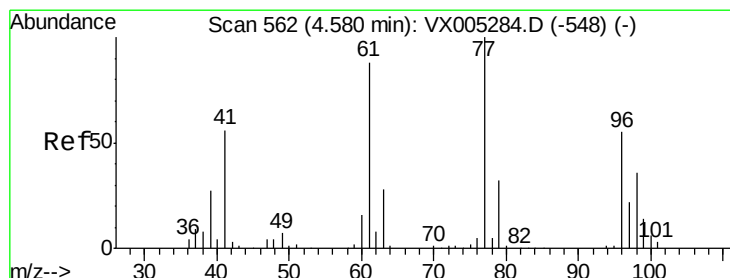
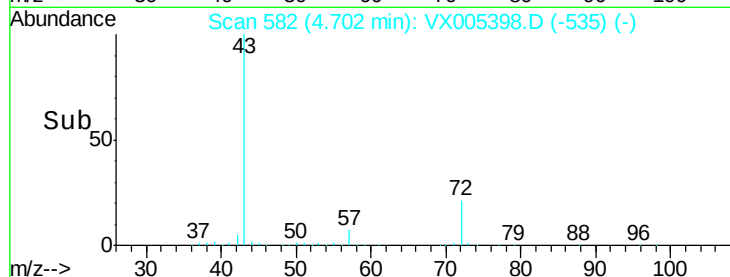
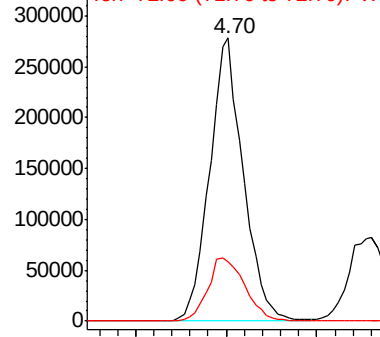
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 48.26 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005398.D

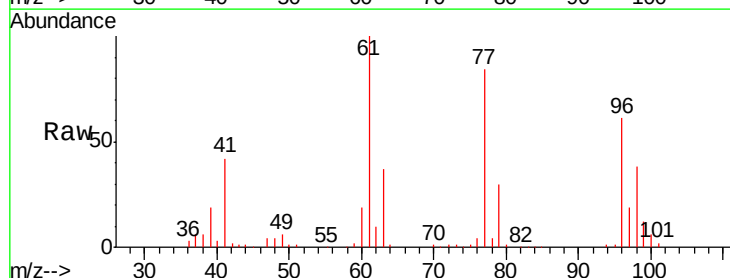
Acq: 17 Oct 2018 18:55

Tgt Ion: 77 Resp: 198683

Ion Ratio Lower Upper

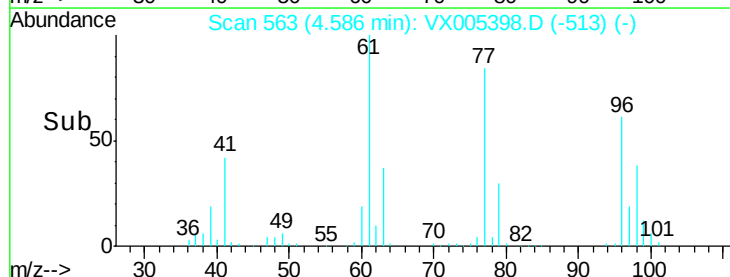
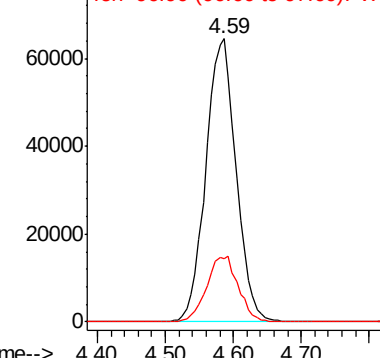
77 100

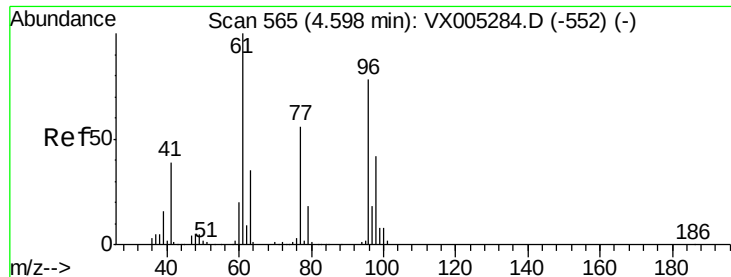
97 24.2 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

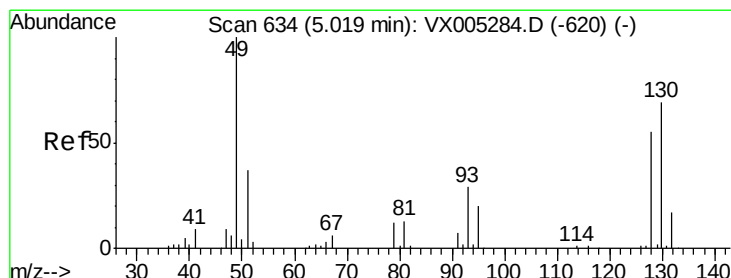
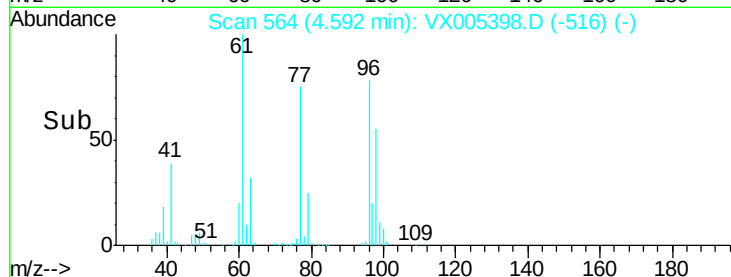
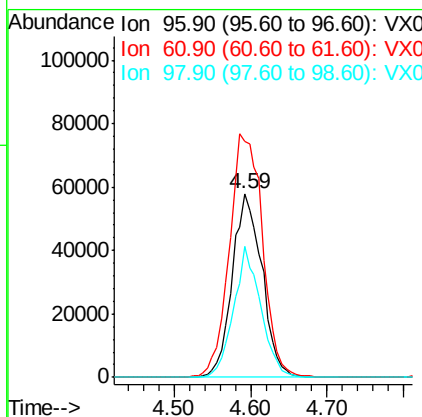
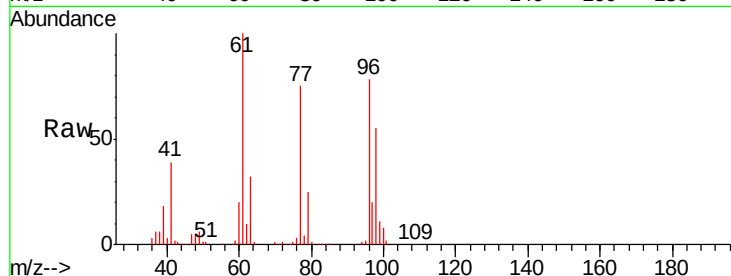
cis-1,2-Dichloroethene
Concen: 49.72 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX005398.D
Acq: 17 Oct 2018 18:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	155976		
61	147.5	0.0	282.6	
98	64.7	0.0	130.2	

Manual Integrations
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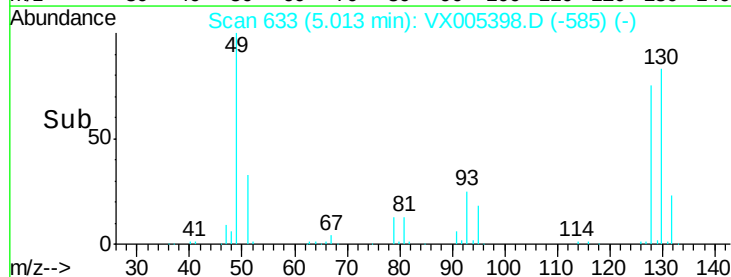
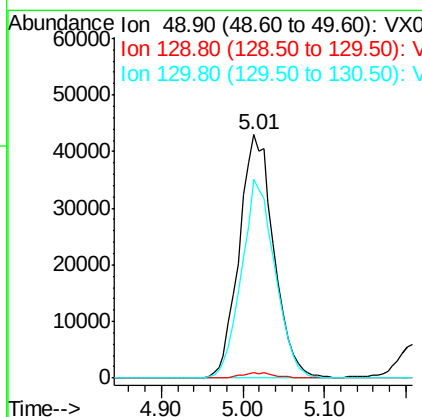
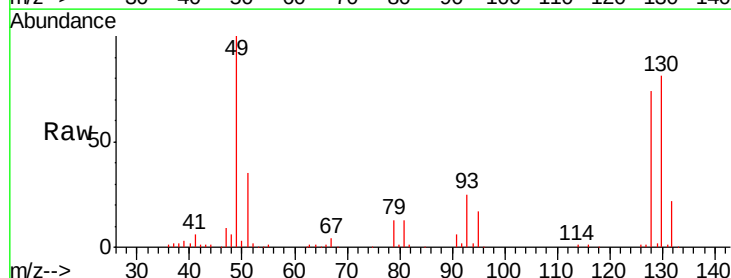
MMDadoda
10/19/2018 12:23:42 PM

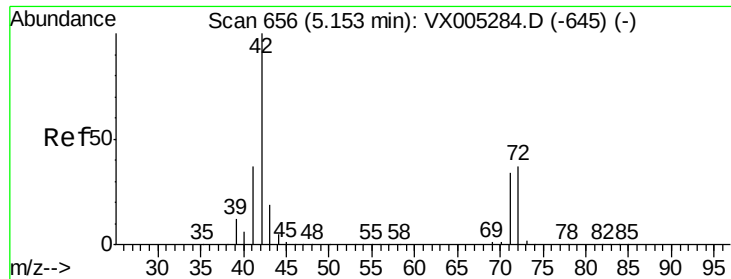


#28

Bromochloromethane
Concen: 50.57 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX005398.D
Acq: 17 Oct 2018 18:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	126895		
129	2.1	0.0	4.2	
130	79.2	67.5	101.3	





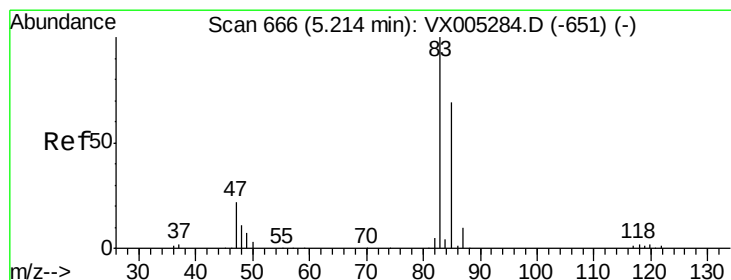
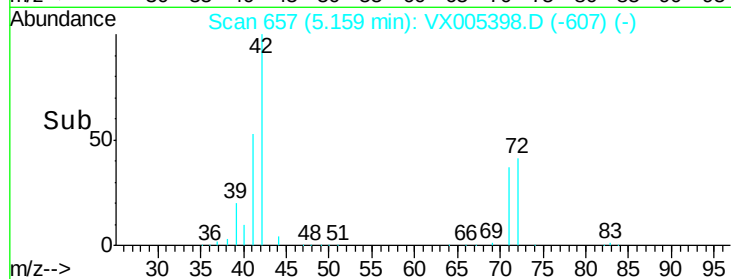
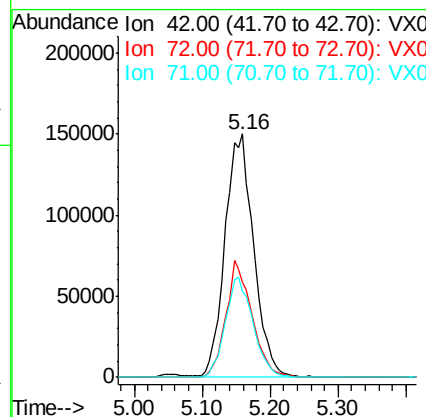
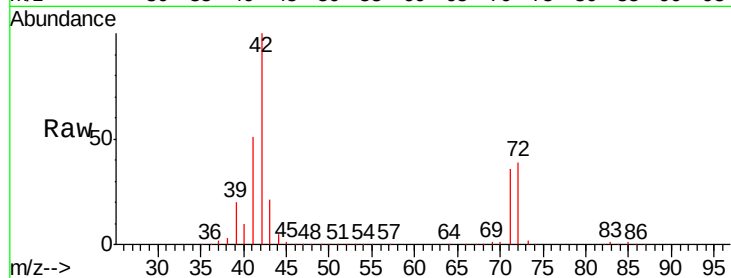
#29
Tetrahydrofuran
Concen: 246.04 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX005398.D
Acq: 17 Oct 2018 18:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp Lower	Resp Upper
42	100		
72	43.6	37.4	56.0
71	39.9	34.5	51.7

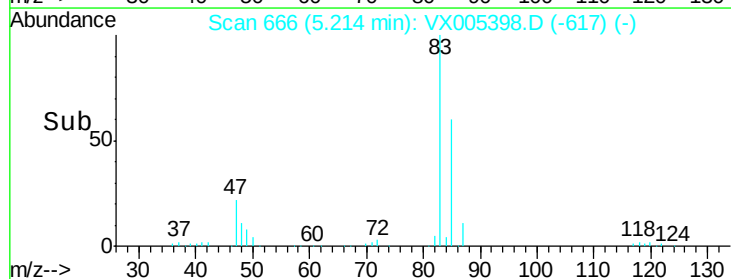
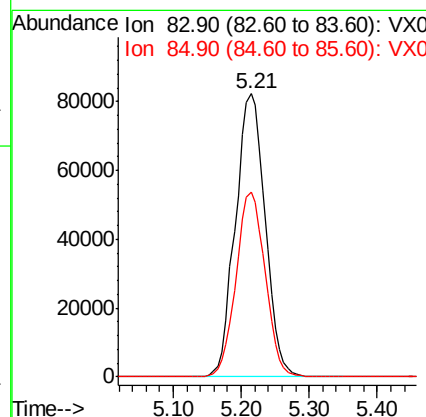
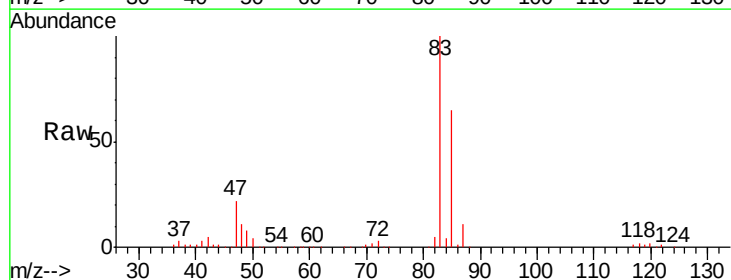
Manual Integrations
APPROVED

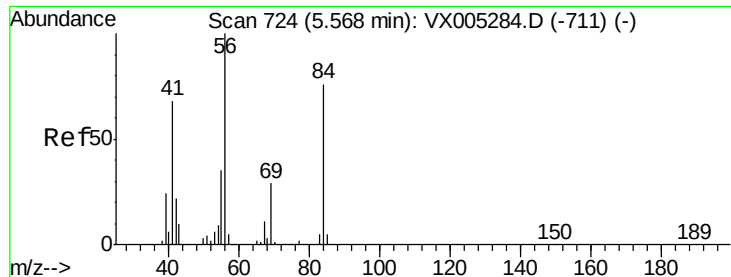
MMDadoda
10/19/2018 12:23:42 PM



#30
Chloroform
Concen: 48.92 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX005398.D
Acq: 17 Oct 2018 18:55

Tgt Ion	Ratio	Resp Lower	Resp Upper
83	100		
85	65.2	52.6	79.0





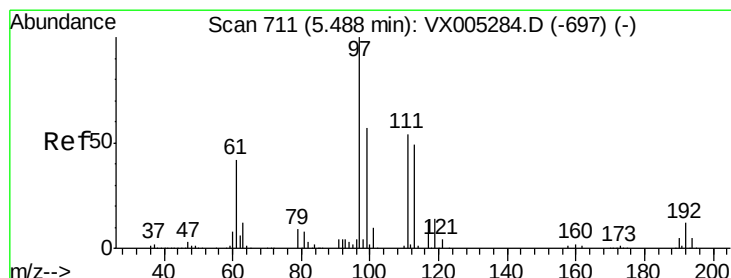
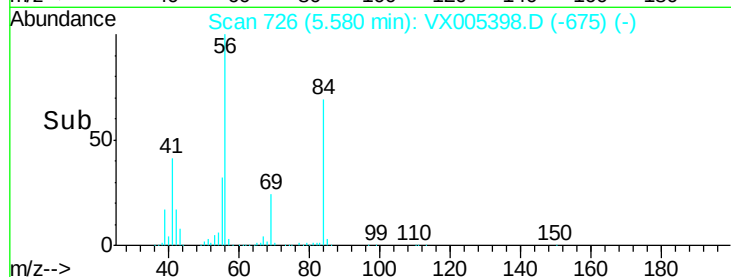
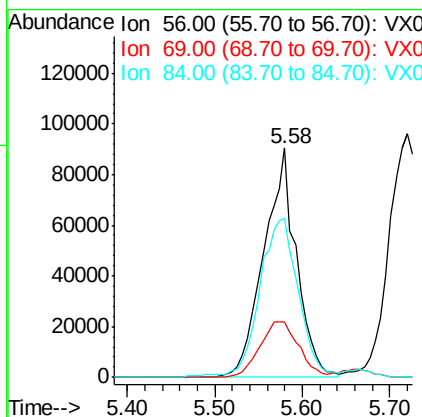
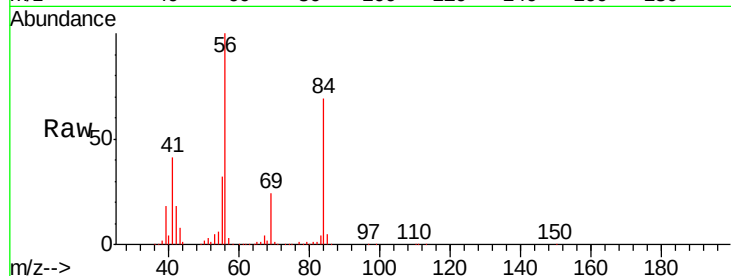
#31
Cyclohexane
Concen: 51.41 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX005398.D
Acq: 17 Oct 2018 18:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	23.9	25.4	38.2#
84	68.8	71.4	107.2#

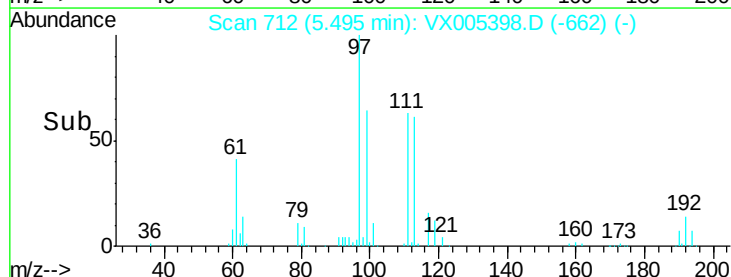
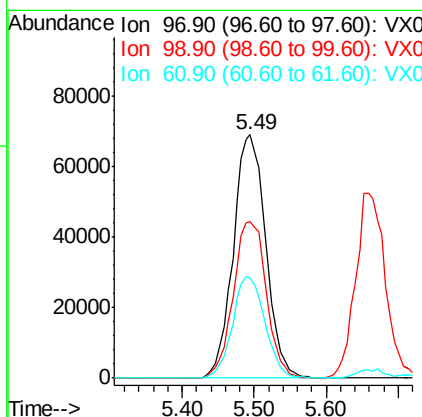
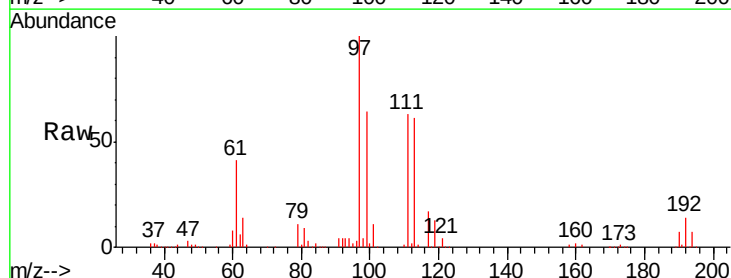
Manual Integrations
APPROVED

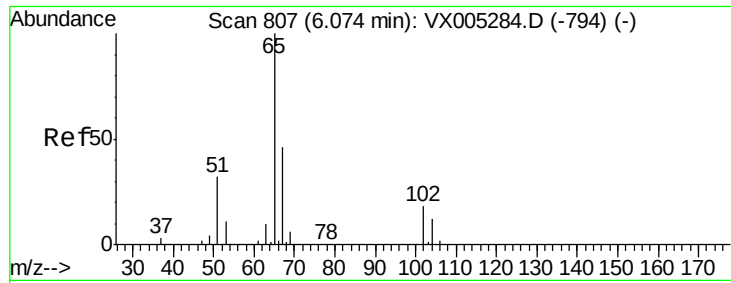
MMDadoda
10/19/2018 12:23:42 PM



#32
1,1,1-Trichloroethane
Concen: 48.45 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.01 min
Lab File: VX005398.D
Acq: 17 Oct 2018 18:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	52.0	78.0
61	42.1	34.9	52.3





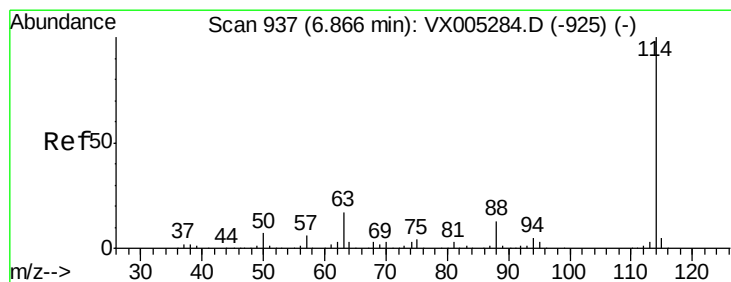
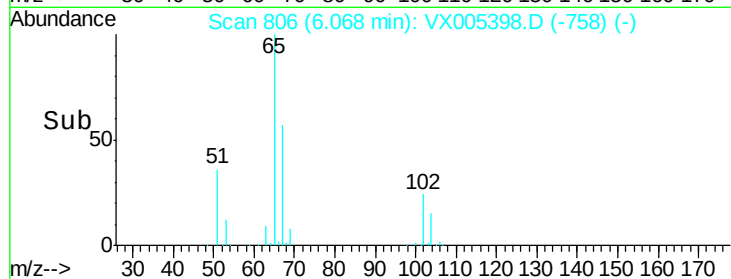
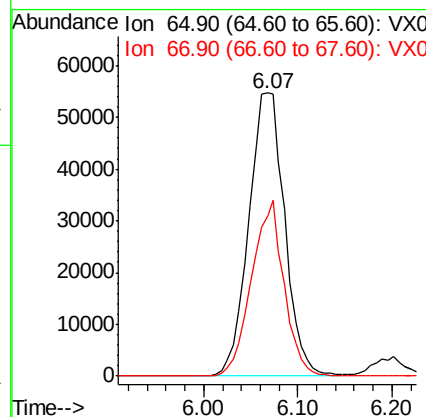
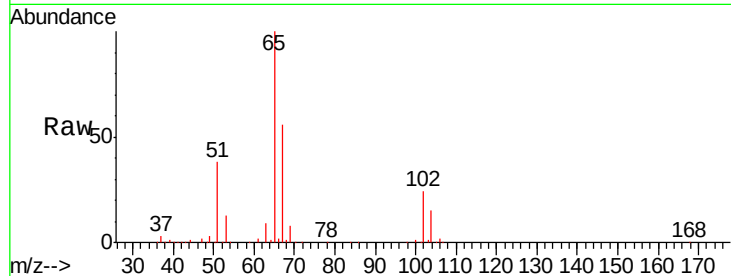
#33
 1,2-Dichloroethane-d4
 Concen: 44.41 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX005398.D
 Acq: 17 Oct 2018 18:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 65 Resp: 146553
 Ion Ratio Lower Upper
 65 100
 67 56.1 0.0 106.8

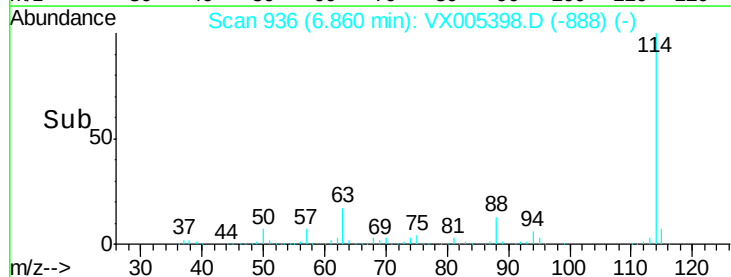
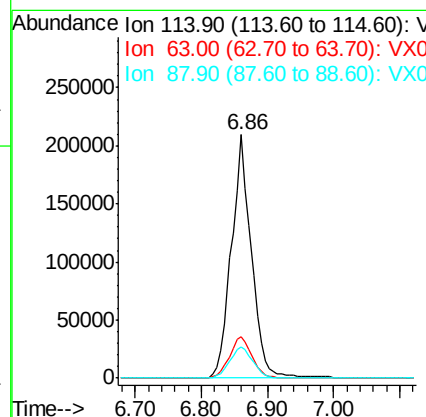
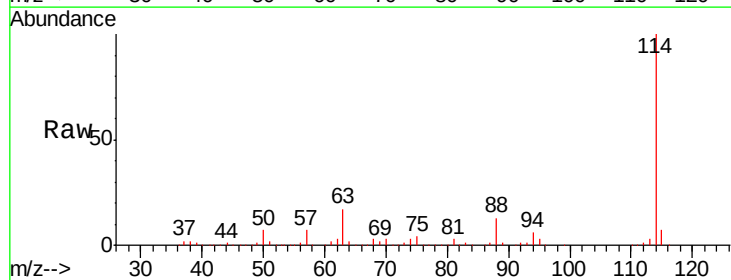
Manual Integrations
 APPROVED

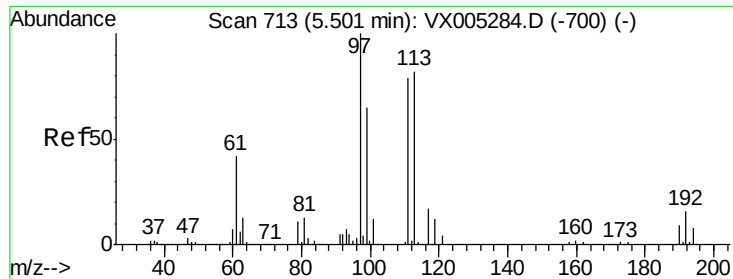
MMDadoda
 10/19/2018 12:23:42 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005398.D
 Acq: 17 Oct 2018 18:55

Tgt Ion: 114 Resp: 441883
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 39.0
 88 13.0 0.0 30.4





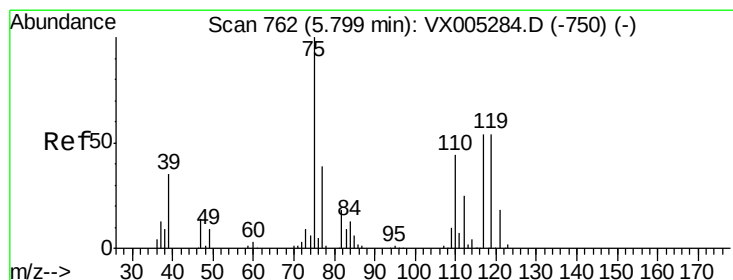
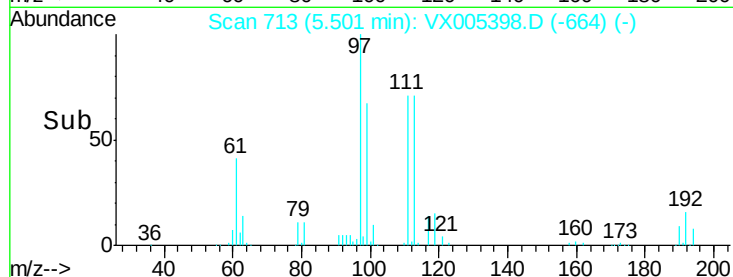
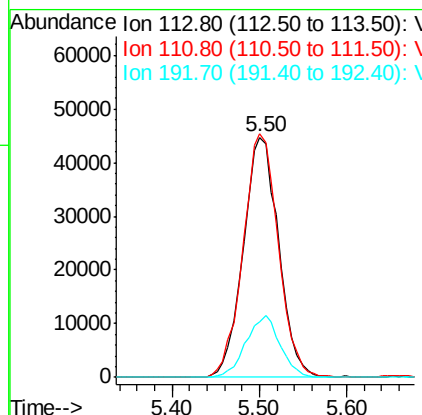
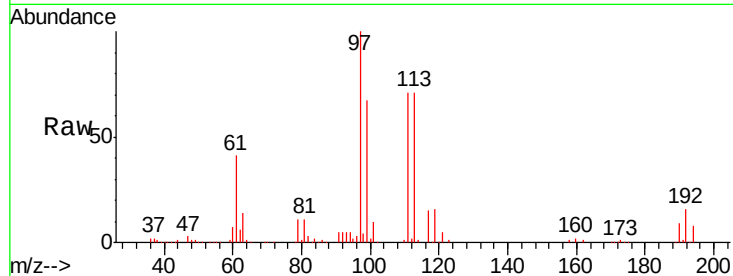
#35
Dibromofluoromethane
Concen: 42.93 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX005398.D
Acq: 17 Oct 2018 18:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	125657		
111	101.2	82.4	123.6	
192	24.9	19.4	29.2	

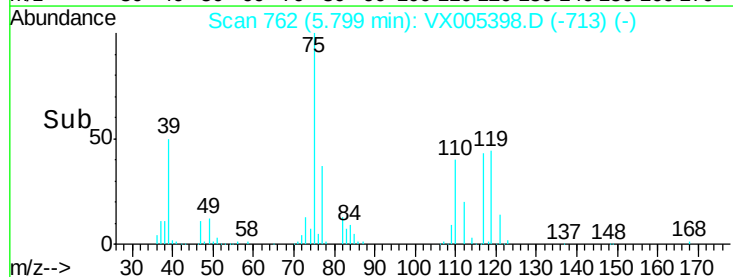
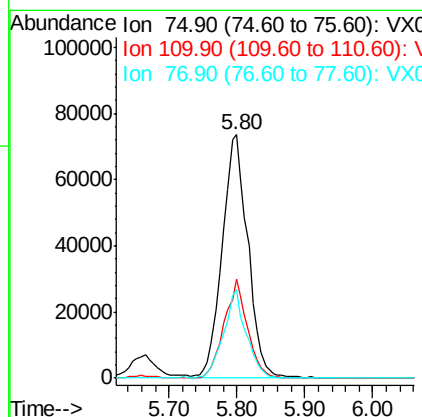
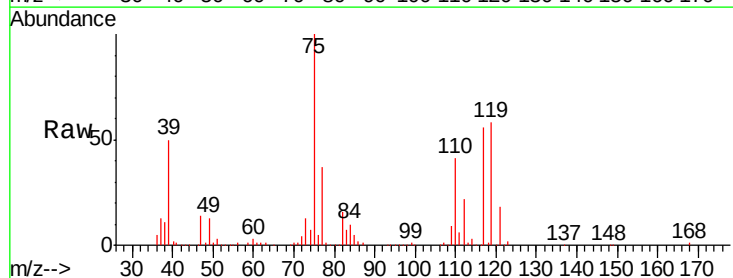
Manual Integrations
APPROVED

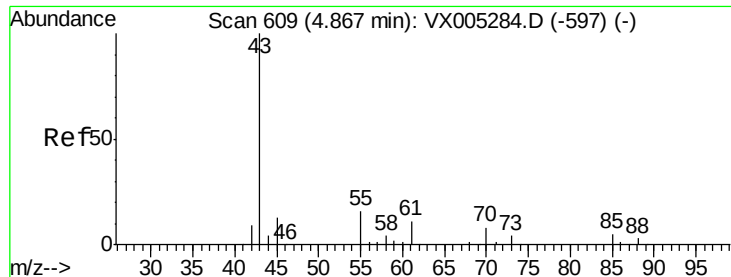
MMDadoda
10/19/2018 12:23:42 PM



#36
1,1-Dichloropropene
Concen: 44.75 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX005398.D
Acq: 17 Oct 2018 18:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	191531		
110	37.0	18.0	54.0	
77	31.6	24.6	36.8	





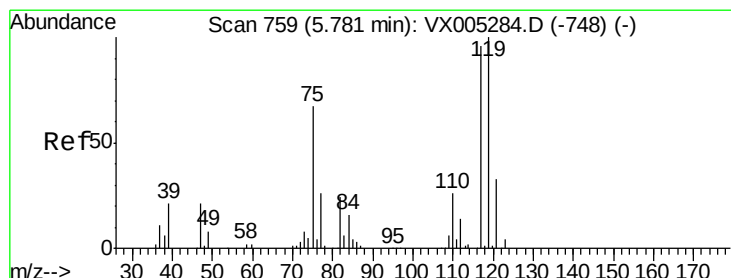
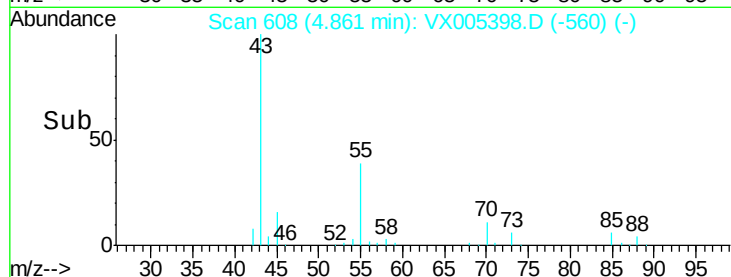
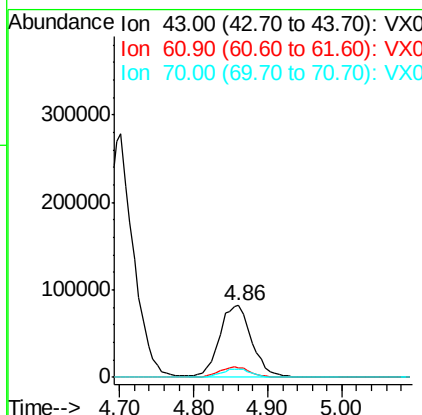
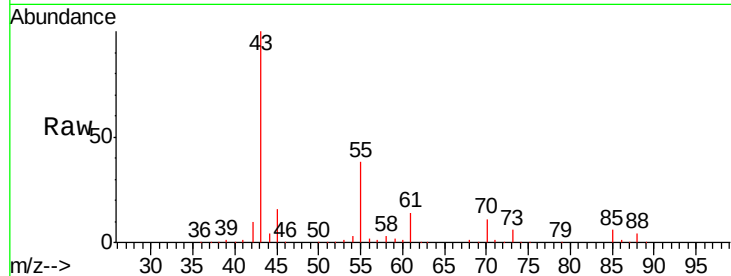
#37
Ethyl Acetate
Concen: 44.83 ug/l
RT: 4.86 min Scan# 608
Delta R.T. -0.01 min
Lab File: VX005398.D
Acq: 17 Oct 2018 18:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.5	17.3
70	10.8	9.0	13.6

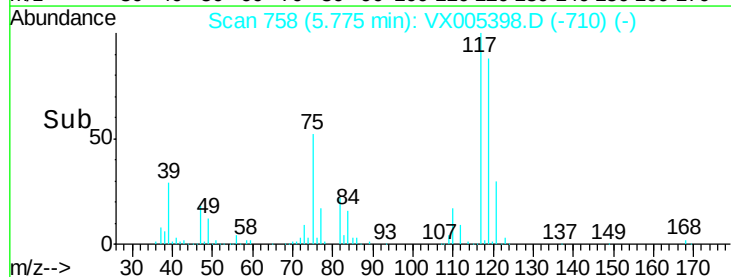
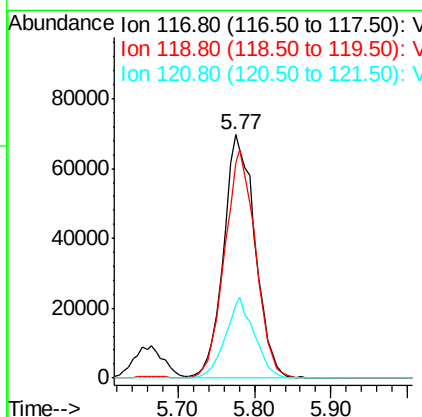
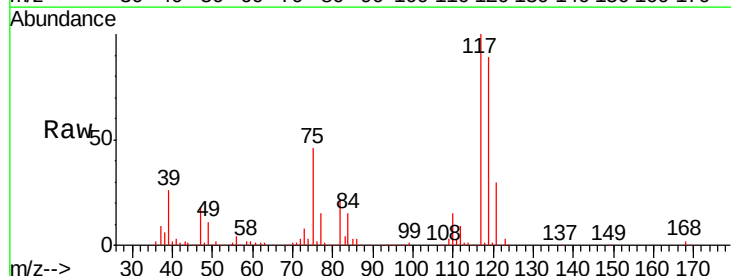
Manual Integrations
APPROVED

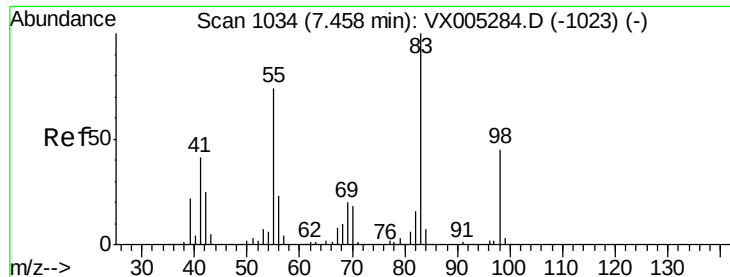
MMDadoda
10/19/2018 12:23:42 PM



#38
Carbon Tetrachloride
Concen: 45.97 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX005398.D
Acq: 17 Oct 2018 18:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.7	78.8	118.2
121	30.2	24.9	37.3





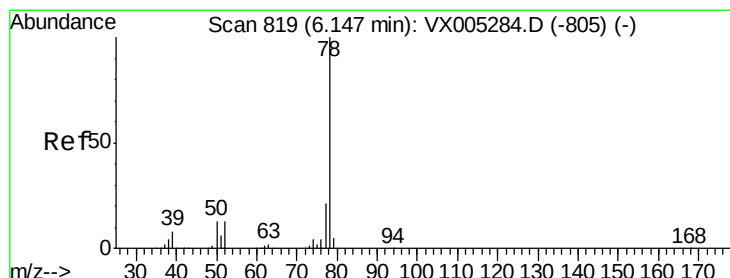
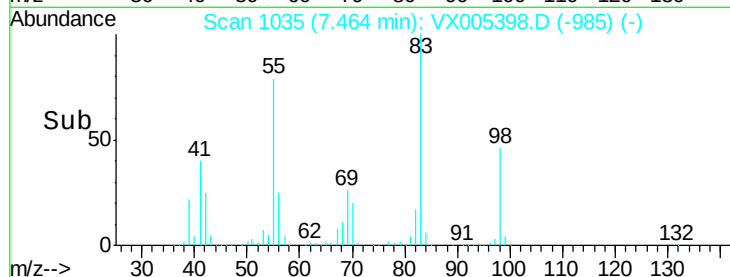
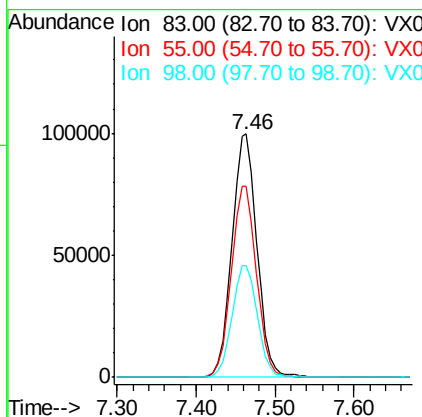
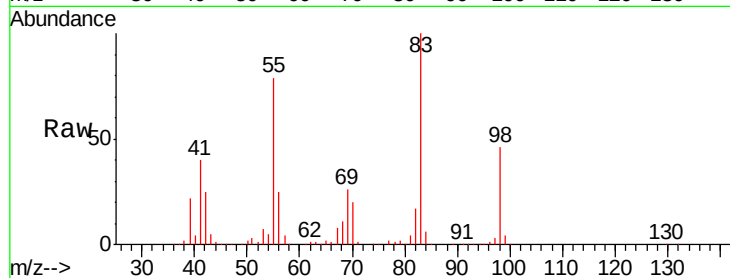
#39
Methylcyclohexane
Concen: 47.48 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005398.D
Acq: 17 Oct 2018 18:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp Lower	Resp Upper
83	100		
55	78.6	61.0	91.4
98	46.2	39.6	59.4

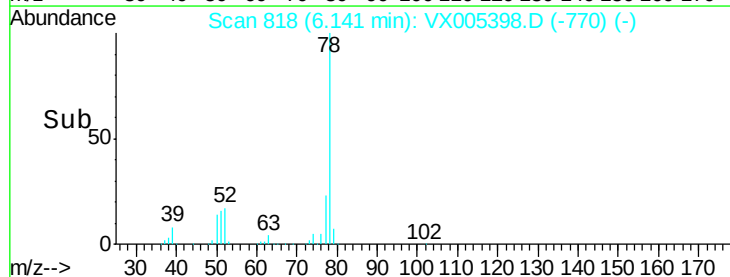
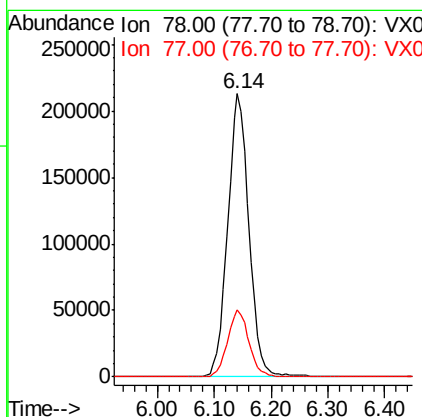
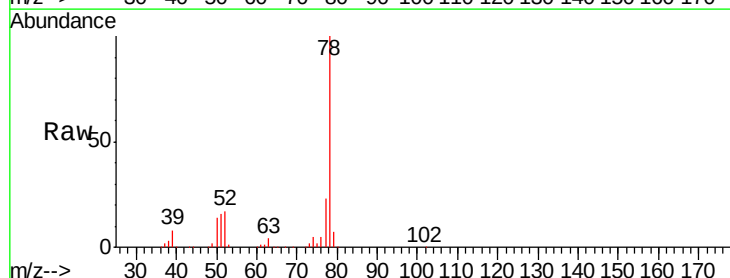
Manual Integrations
APPROVED

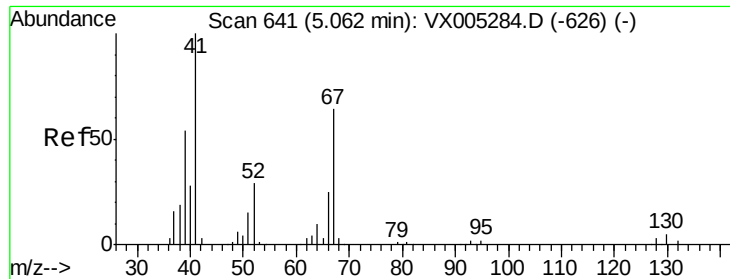
MMDadoda
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#40
Benzene
Concen: 43.06 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005398.D
Acq: 17 Oct 2018 18:55

Tgt Ion	Ratio	Resp Lower	Resp Upper
78	100		
77	23.5	19.0	28.4





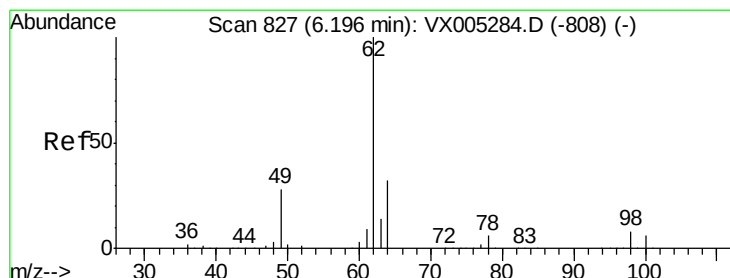
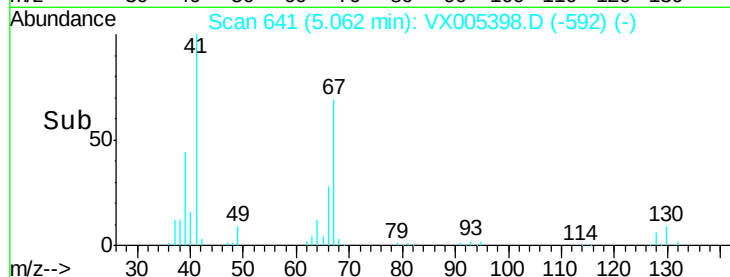
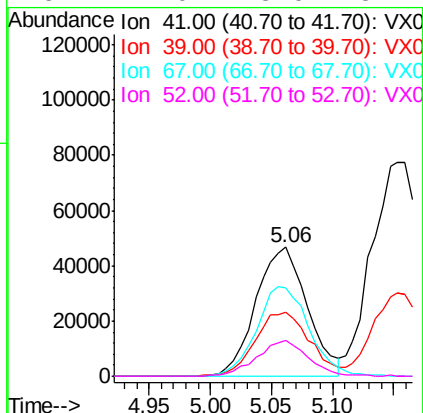
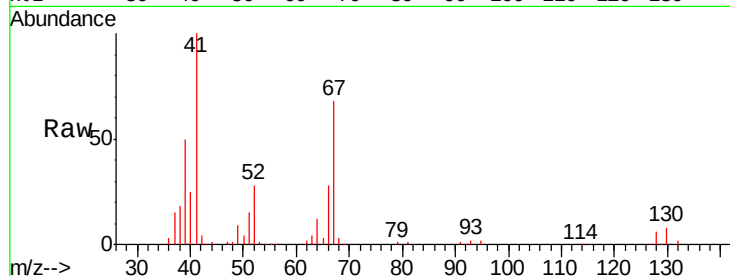
#41
Methacrylonitrile
Concen: 46.22 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX005398.D
Acq: 17 Oct 2018 18:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.1	42.4	63.6	
67	71.1	59.2	88.8	
52	27.0	23.0	34.4	

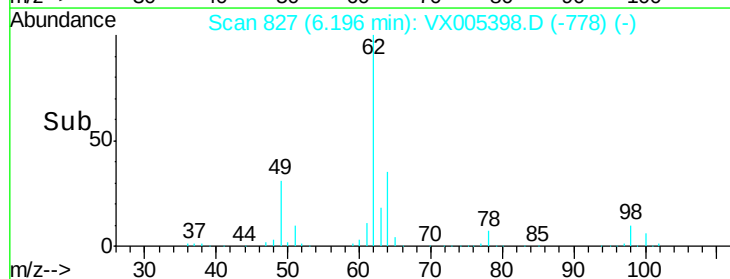
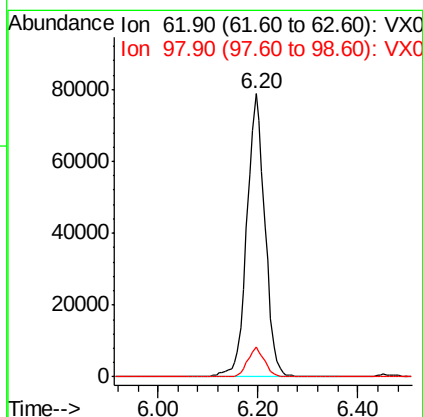
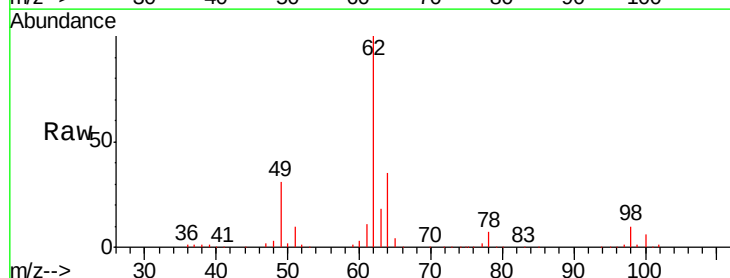
Manual Integrations
APPROVED

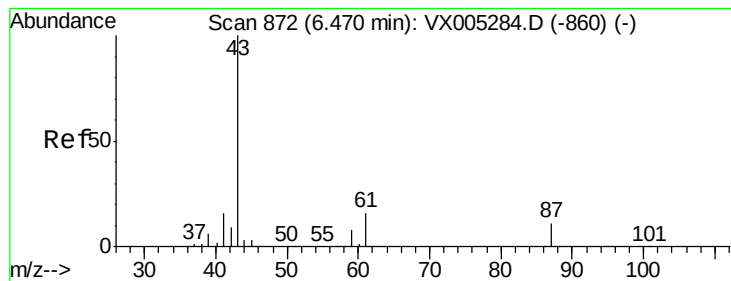
MMDadoda
10/19/2018 12:23:42 PM



#42
1,2-Dichloroethane
Concen: 43.87 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX005398.D
Acq: 17 Oct 2018 18:55

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.6	0.0	20.6	





#43

Isopropyl Acetate

Concen: 51.31 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.01 min

Lab File: VX005398.D

Acq: 17 Oct 2018 18:55

Instrument :

MSVOA_X

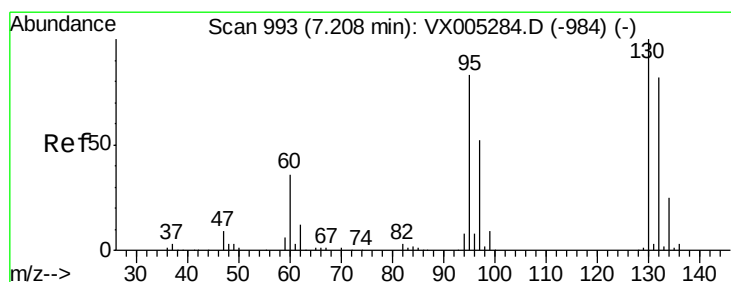
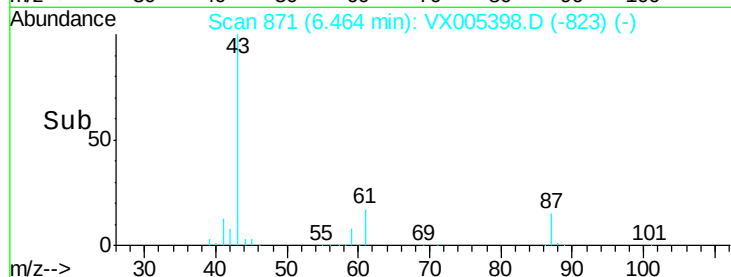
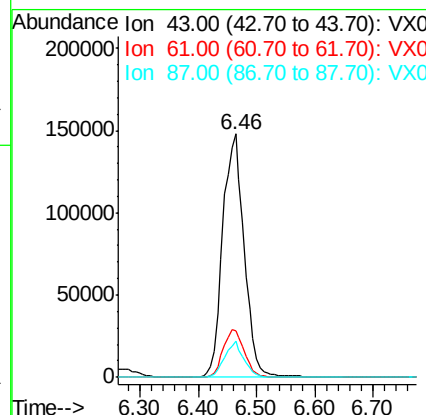
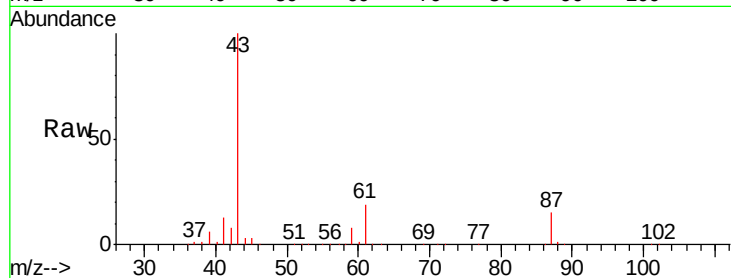
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	376201
Ion	Ratio	Lower	Upper
43	100		
61	19.6	17.0	25.4
87	13.3	11.4	17.2

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#44

Trichloroethene

Concen: 47.98 ug/l

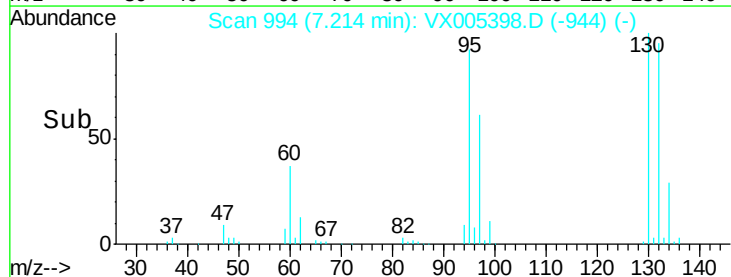
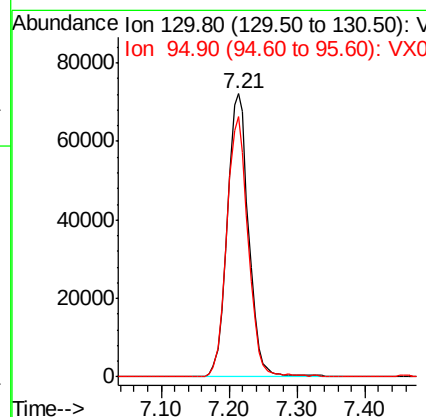
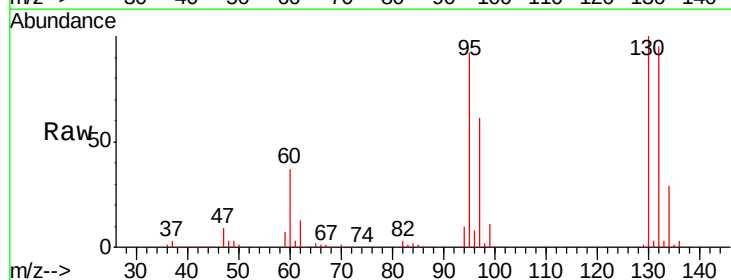
RT: 7.21 min Scan# 994

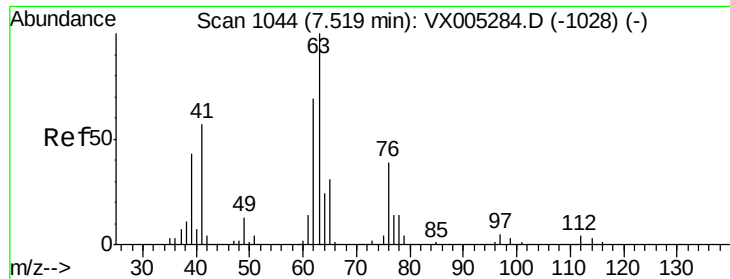
Delta R.T. 0.01 min

Lab File: VX005398.D

Acq: 17 Oct 2018 18:55

Tgt Ion:	130	Resp:	157375
Ion	Ratio	Lower	Upper
130	100		
95	91.9	0.0	181.6





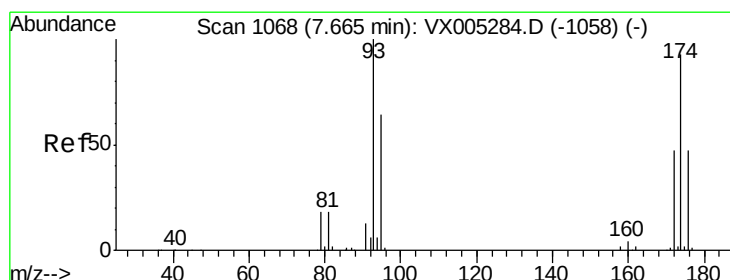
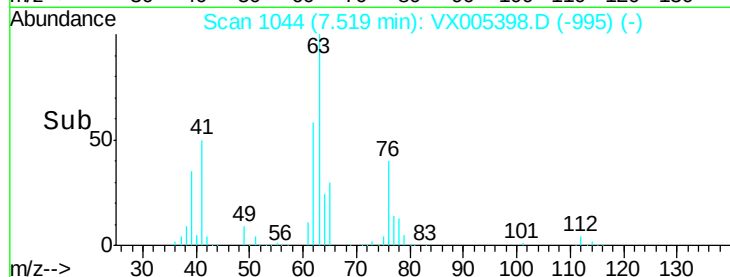
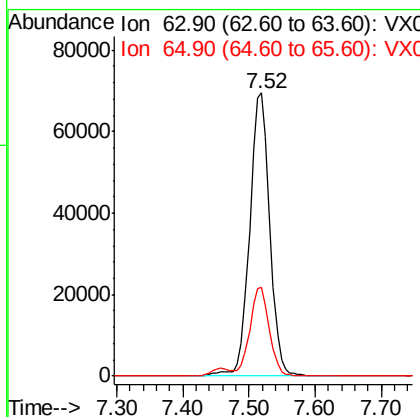
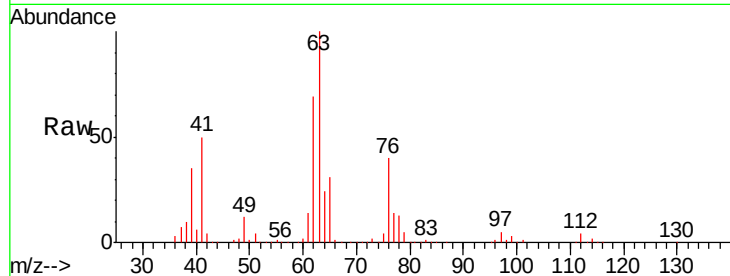
#45
1,2-Dichloropropane
Concen: 47.04 ug/l
RT: 7.52 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VX005398.D
Acq: 17 Oct 2018 18:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	148140		
65	31.3	24.3	36.5	

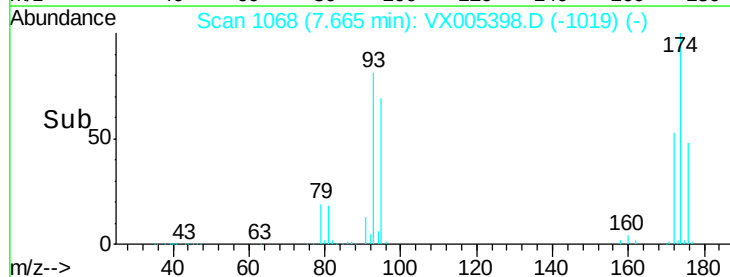
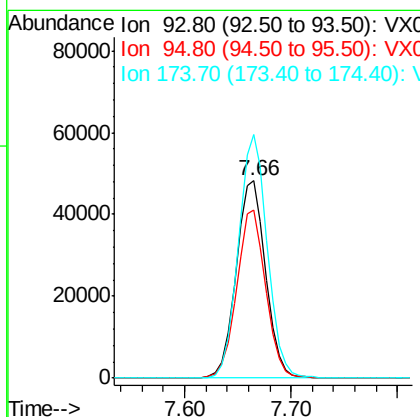
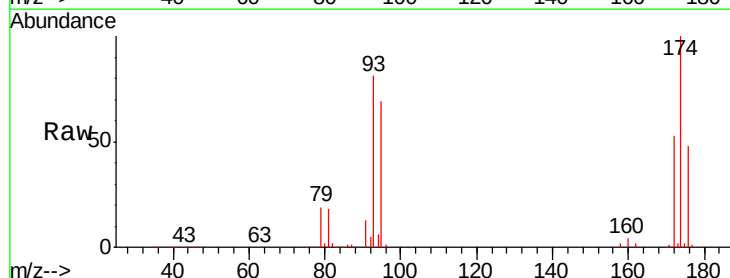
Manual Integrations
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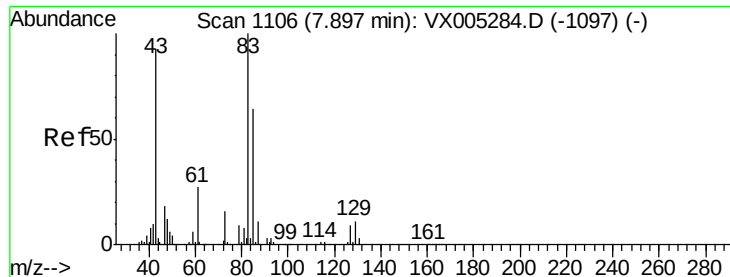
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#46
Dibromomethane
Concen: 45.28 ug/l
RT: 7.66 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VX005398.D
Acq: 17 Oct 2018 18:55

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	94107		
95	83.6	65.5	98.3	
174	120.3	94.2	141.4	





#47

Bromodichloromethane

Concen: 47.62 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX005398.D

Acq: 17 Oct 2018 18:55

Instrument :

MSVOA_X

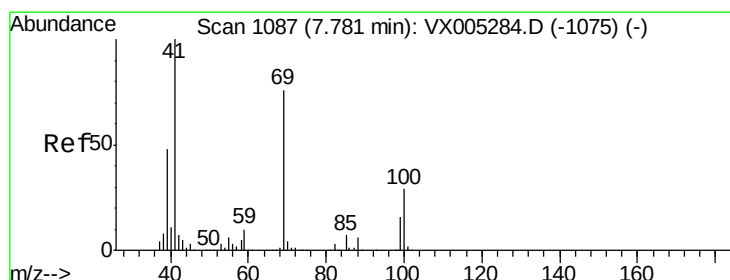
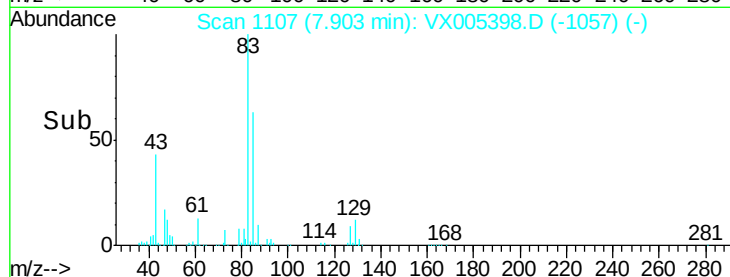
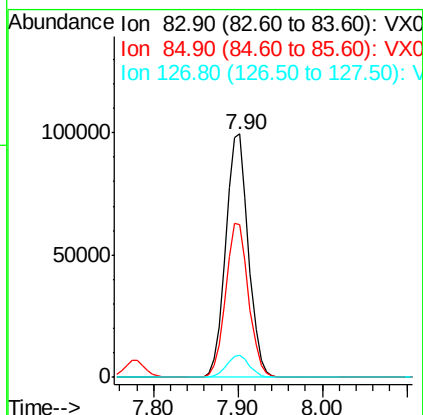
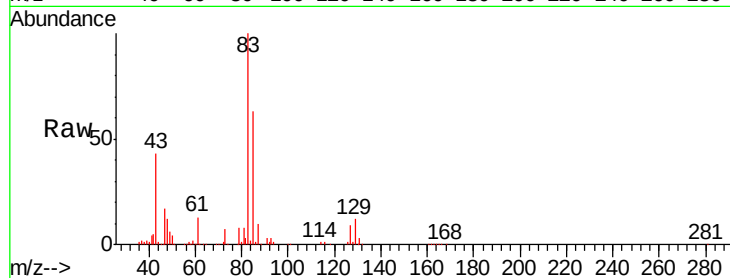
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	183073
Ion	Ratio	Lower	Upper
83	100		
85	62.9	50.9	76.3
127	9.0	7.3	10.9

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#48

Methyl methacrylate

Concen: 48.46 ug/l

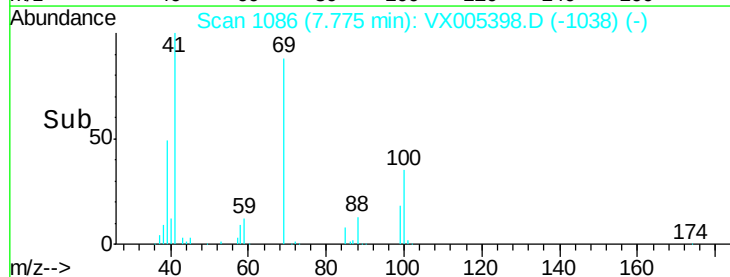
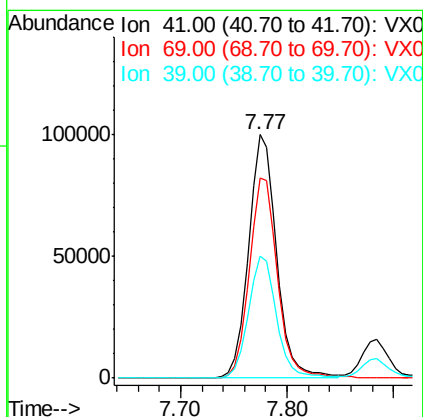
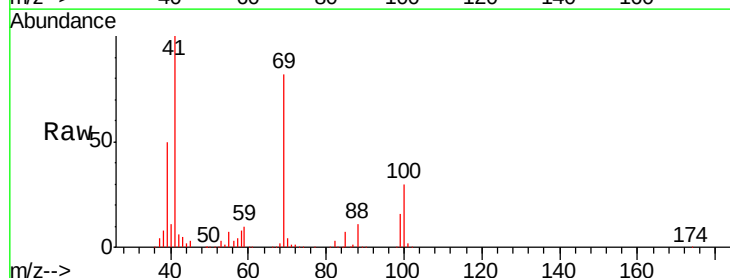
RT: 7.77 min Scan# 1086

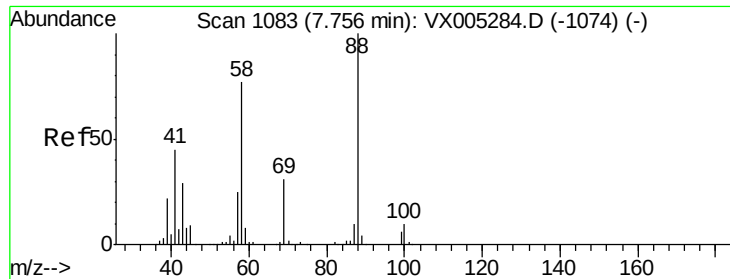
Delta R.T. -0.01 min

Lab File: VX005398.D

Acq: 17 Oct 2018 18:55

Tgt Ion:	41	Resp:	184275
Ion	Ratio	Lower	Upper
41	100		
69	83.5	70.2	105.4
39	50.2	42.7	64.1





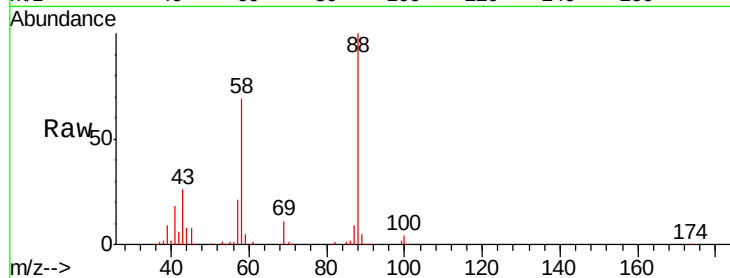
#49
1,4-Dioxane
Concen: 982.71 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005398.D
Acq: 17 Oct 2018 18:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

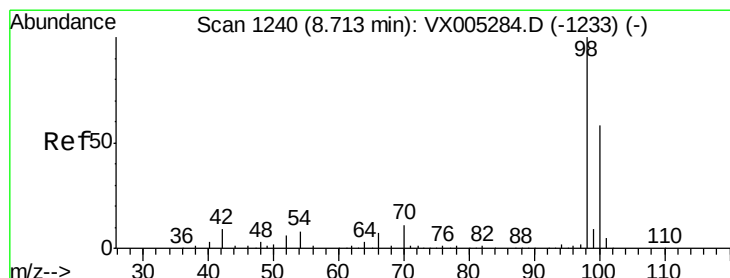
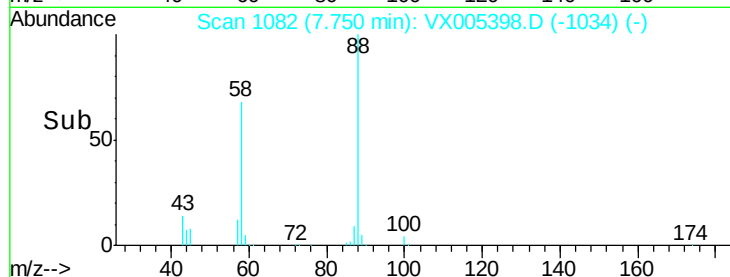
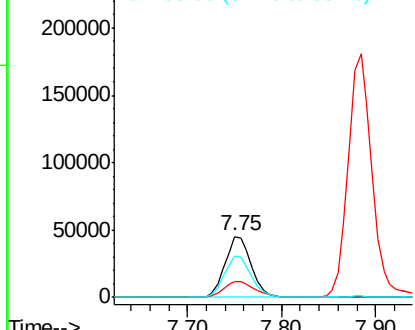
Tgt Ion	Ratio	Lower	Upper
88	100		
43	31.4	24.7	37.1
58	71.1	55.3	82.9

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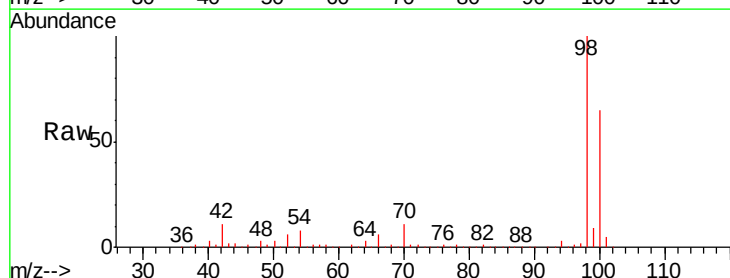


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

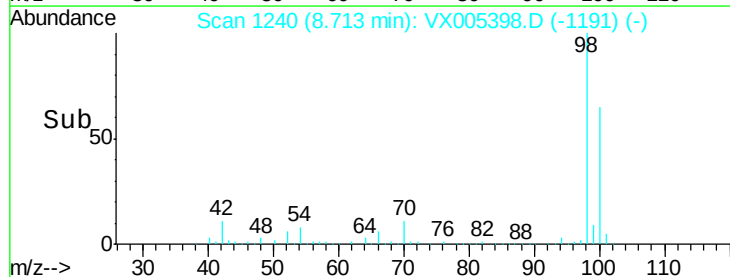
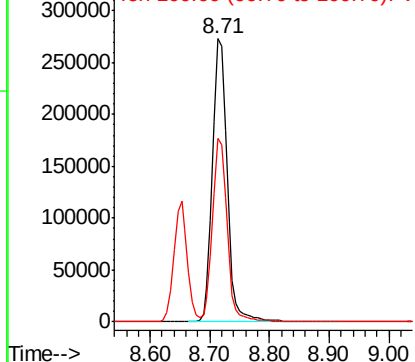


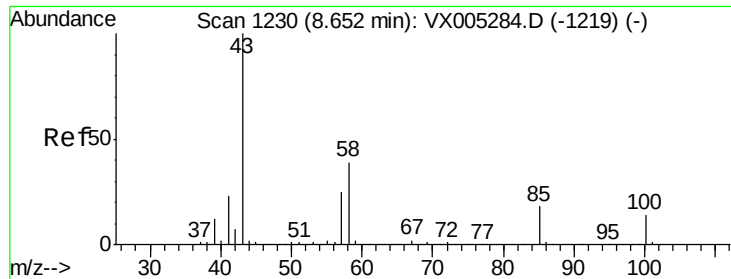
#50
Toluene-d8
Concen: 46.02 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005398.D
Acq: 17 Oct 2018 18:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.9	79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 245.99 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VX005398.D

Acq: 17 Oct 2018 18:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1248736

Ion Ratio Lower Upper

43 100

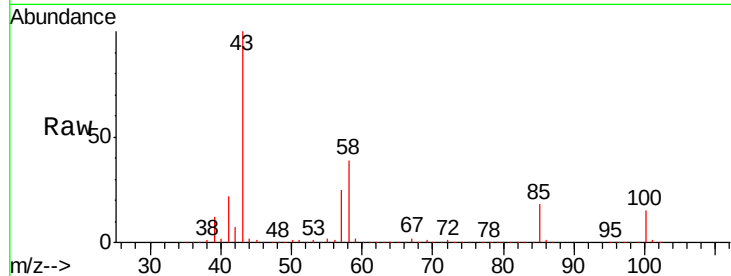
58 39.3 33.1 49.7

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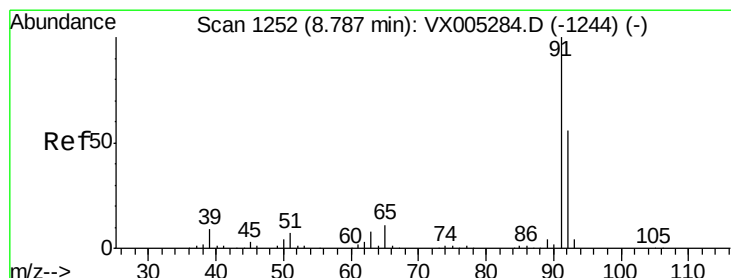
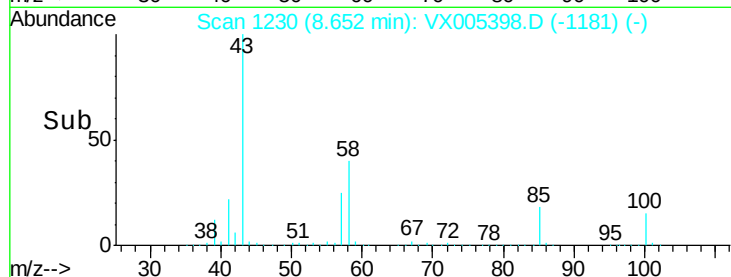
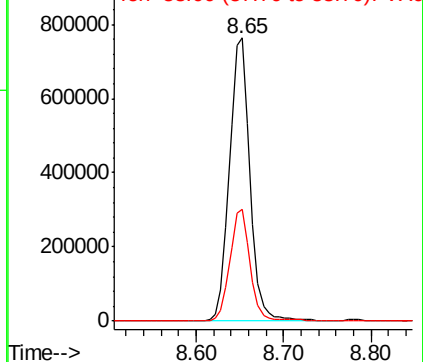
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 49.52 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX005398.D

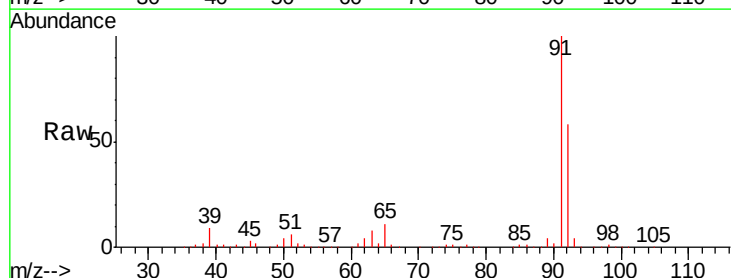
Acq: 17 Oct 2018 18:55

Tgt Ion: 92 Resp: 347807

Ion Ratio Lower Upper

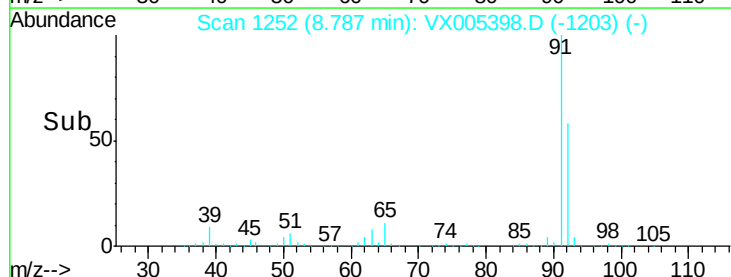
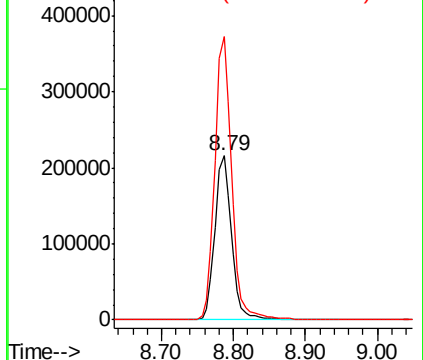
92 100

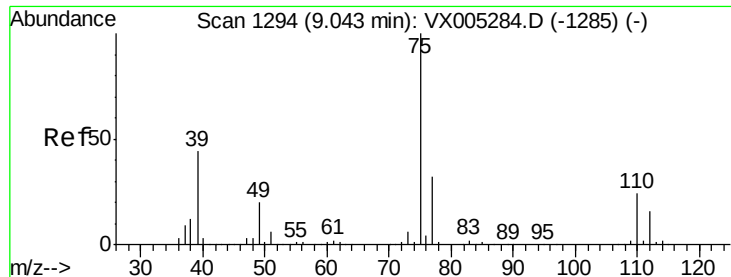
91 173.8 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





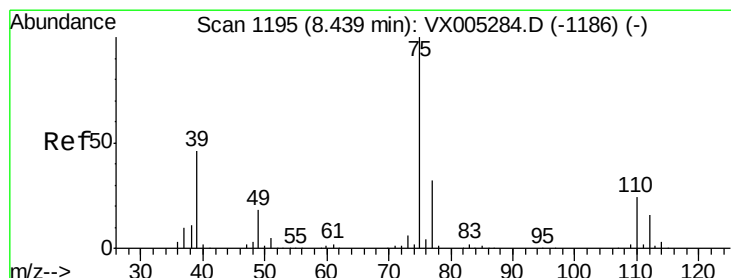
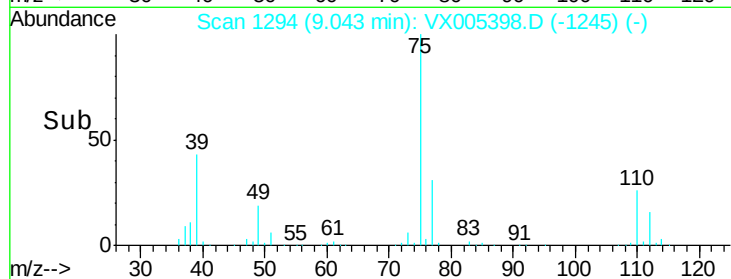
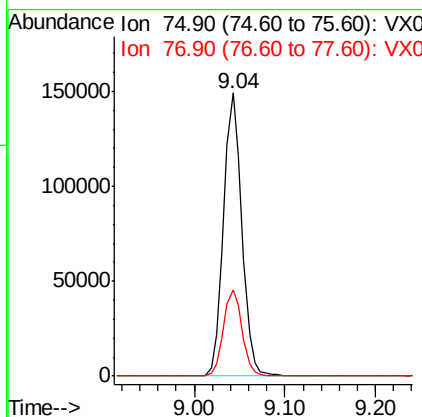
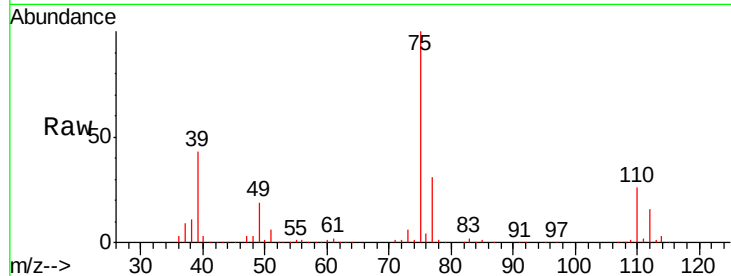
#53
t-1,3-Dichloropropene
Concen: 50.54 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX005398.D
Acq: 17 Oct 2018 18:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 210270
Ion Ratio Lower Upper
75 100
77 30.5 24.6 37.0

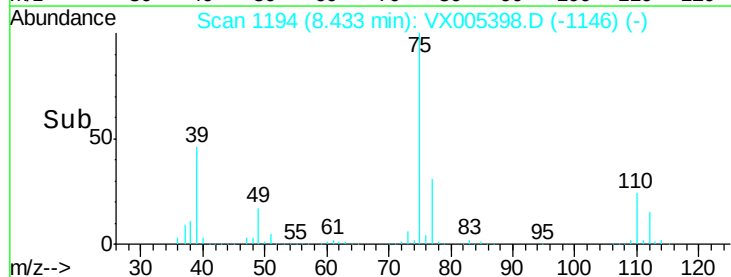
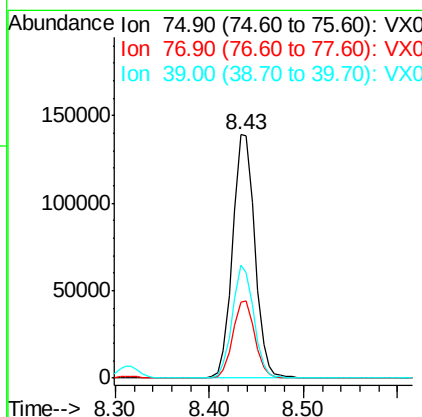
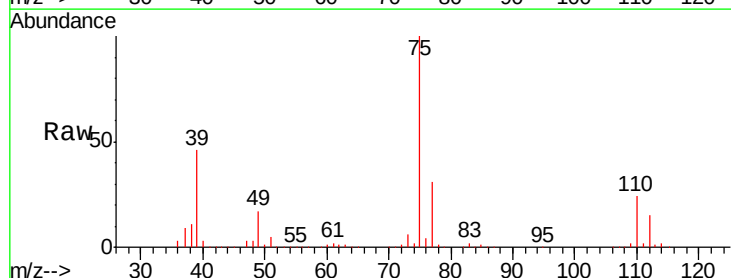
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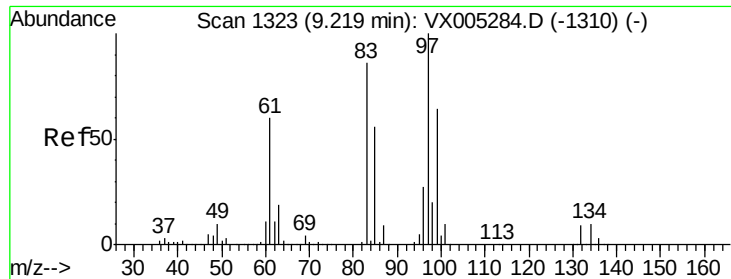
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#54
cis-1,3-Dichloropropene
Concen: 50.76 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.01 min
Lab File: VX005398.D
Acq: 17 Oct 2018 18:55

Tgt Ion: 75 Resp: 228828
Ion Ratio Lower Upper
75 100
77 31.1 26.2 39.2
39 46.3 36.4 54.6





#55

1,1,2-Trichloroethane

Concen: 49.01 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.01 min

Lab File: VX005398.D

Acq: 17 Oct 2018 18:55

Instrument :

MSVOA_X

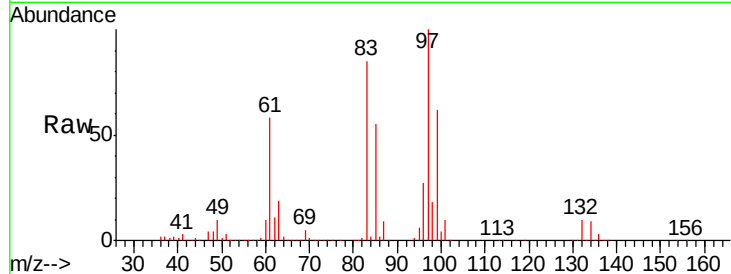
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.0	66.4	99.6
85	55.1	43.3	64.9
99	62.2	49.0	73.4

Manual Integrations
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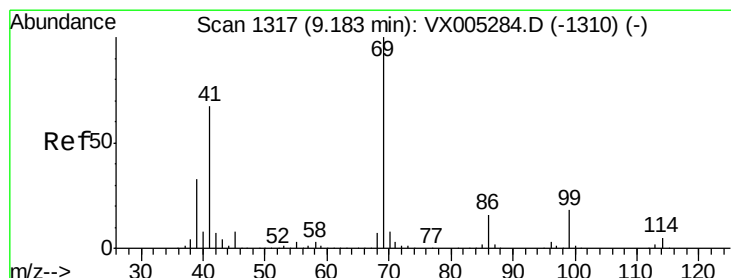
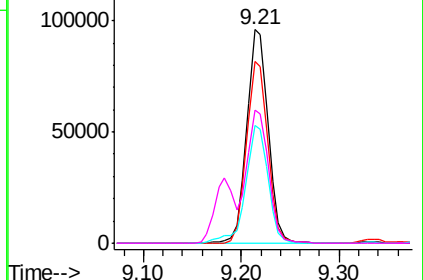
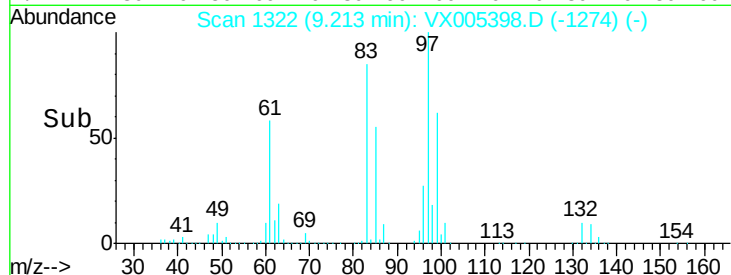


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 53.29 ug/l

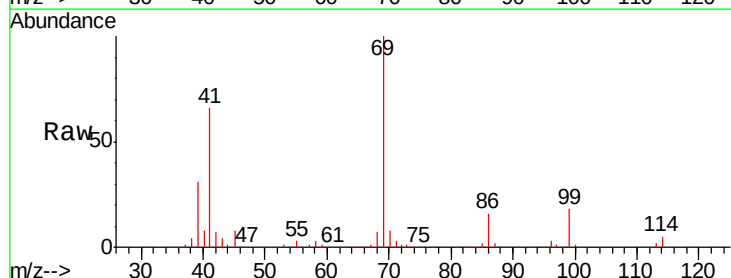
RT: 9.18 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VX005398.D

Acq: 17 Oct 2018 18:55

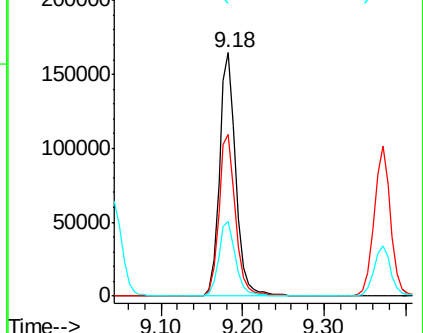
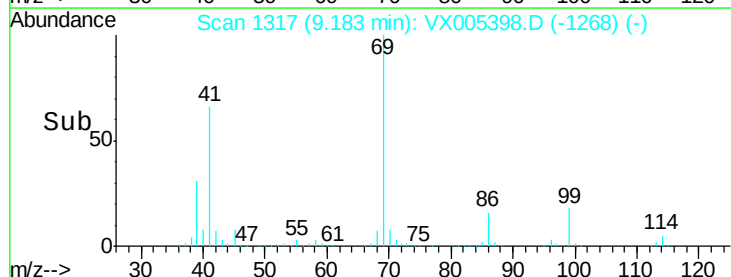
Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.9	51.0	76.4
39	31.6	26.1	39.1

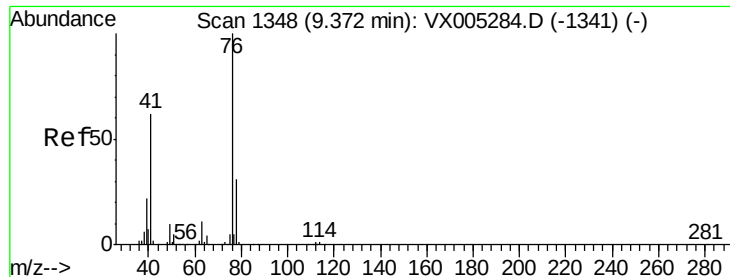


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





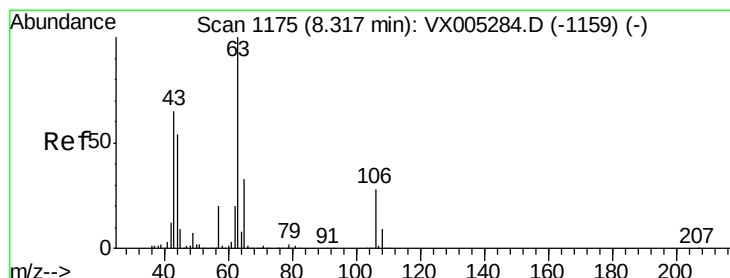
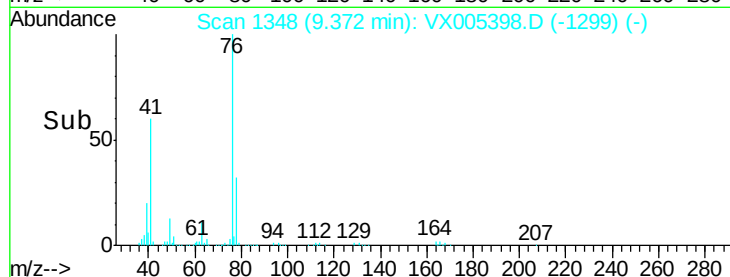
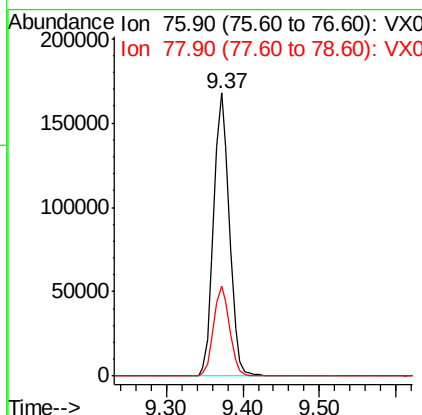
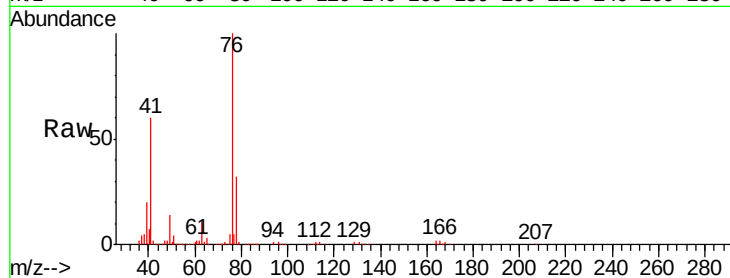
#57
 1,3-Dichloropropane
 Concen: 48.34 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX005398.D
 Acq: 17 Oct 2018 18:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.5	38.3

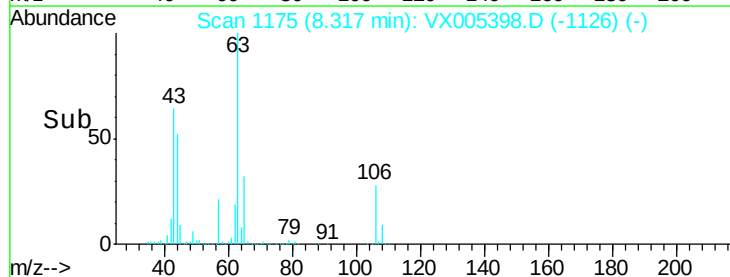
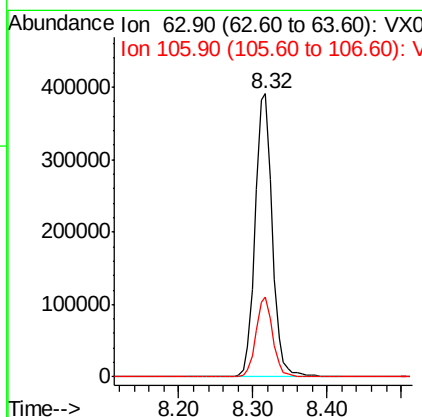
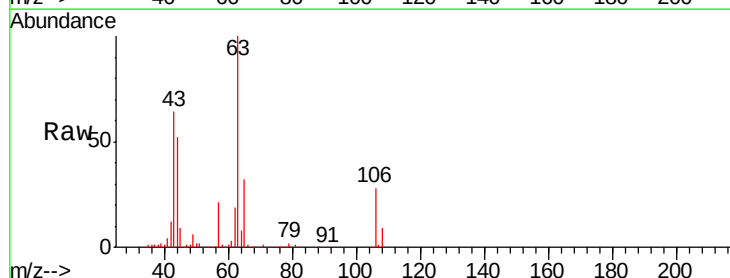
Manual Integrations
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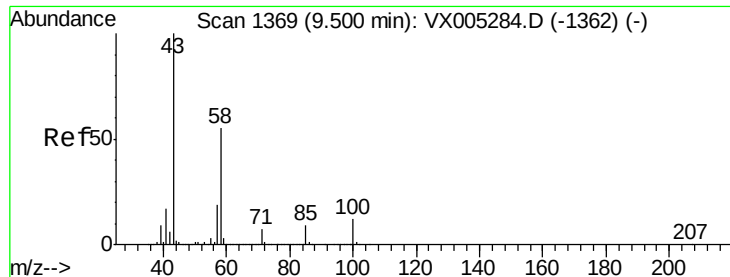
MMDadoda
 10/19/2018 12:23:42 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 260.50 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX005398.D
 Acq: 17 Oct 2018 18:55

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.6	23.9	35.9





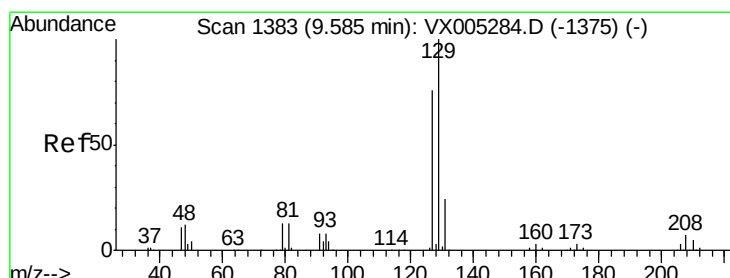
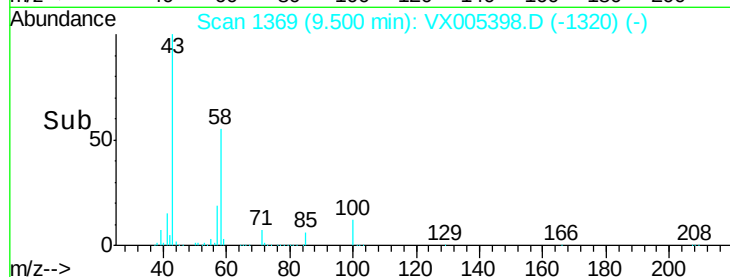
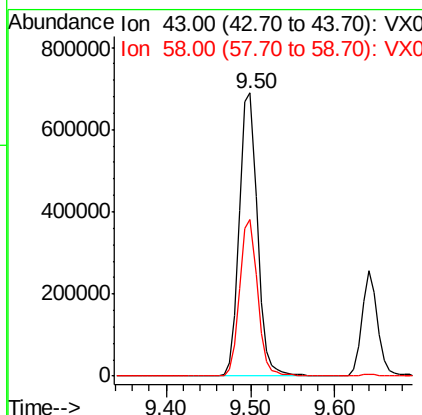
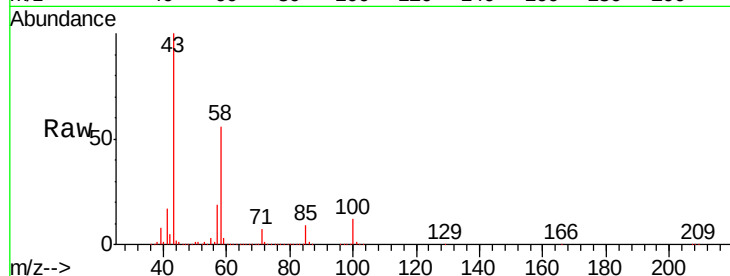
#59
2-Hexanone
Concen: 242.53 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX005398.D
Acq: 17 Oct 2018 18:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 990368
Ion Ratio Lower Upper
43 100
58 54.6 29.0 87.0

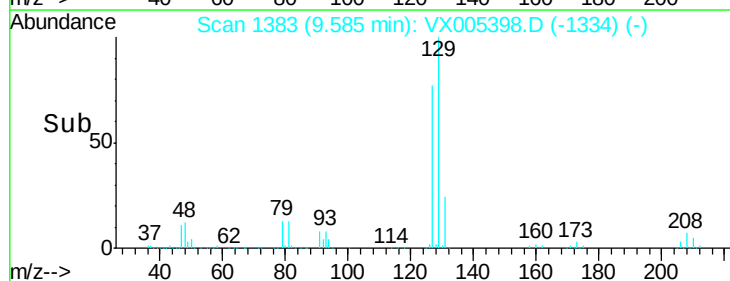
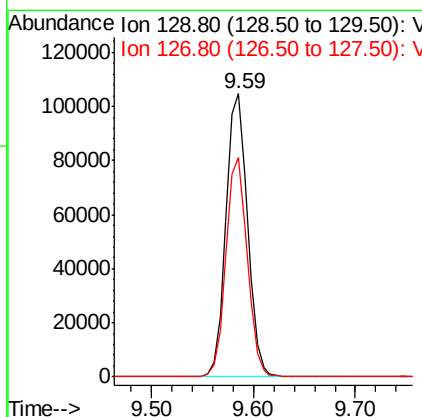
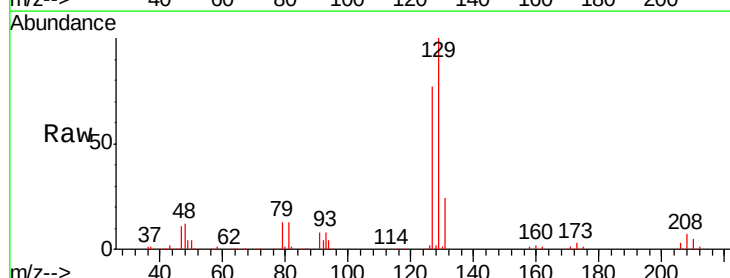
Manual Integrations
APPROVED

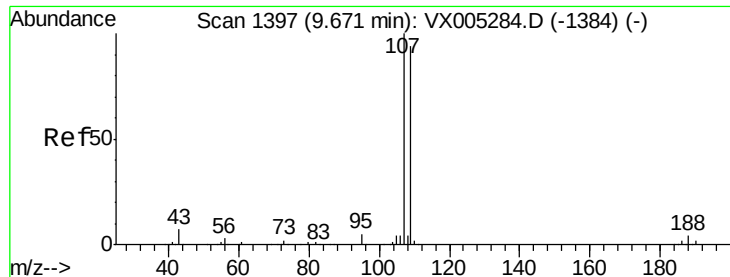
MMDadoda
10/19/2018 12:23:42 PM



#60
Dibromochloromethane
Concen: 49.62 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005398.D
Acq: 17 Oct 2018 18:55

Tgt Ion: 129 Resp: 152579
Ion Ratio Lower Upper
129 100
127 76.7 38.5 115.5





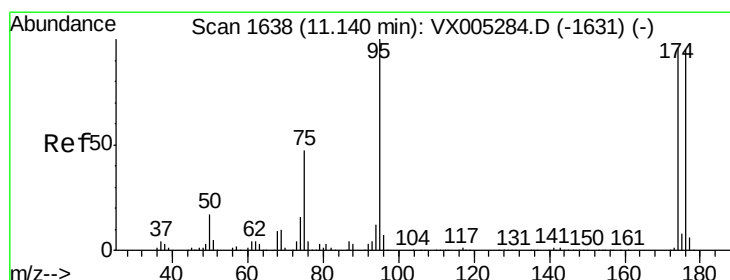
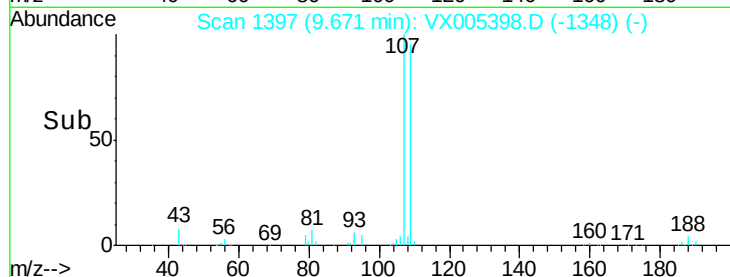
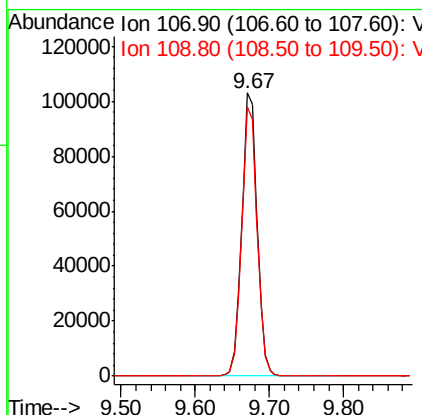
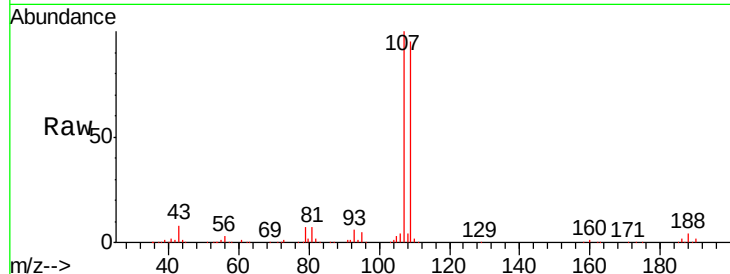
#61
 1,2-Dibromoethane
 Concen: 48.06 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX005398.D
 Acq: 17 Oct 2018 18:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 107 Resp: 150040
 Ion Ratio Lower Upper
 107 100
 109 95.5 76.0 114.0

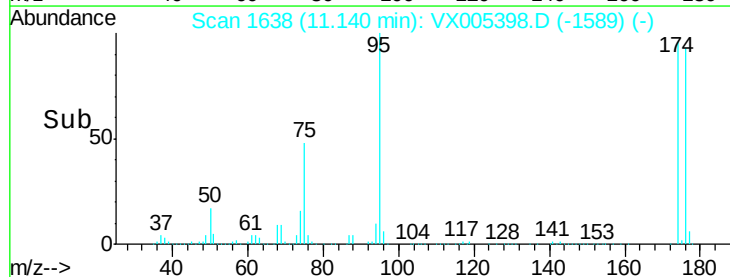
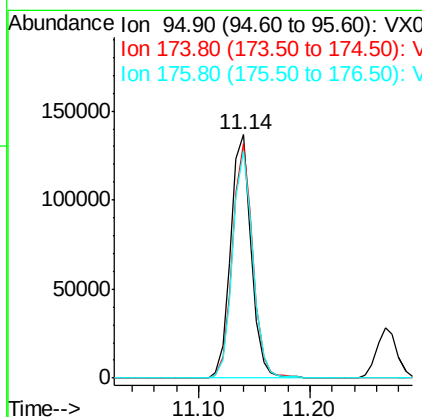
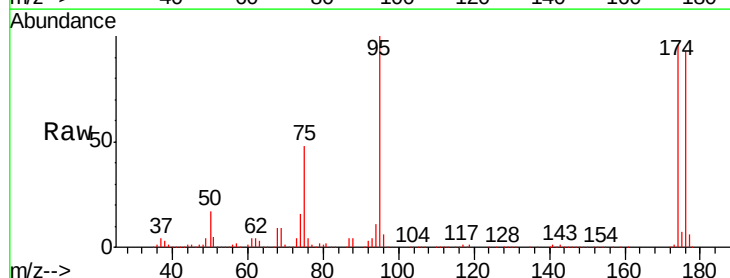
Manual Integrations
 APPROVED

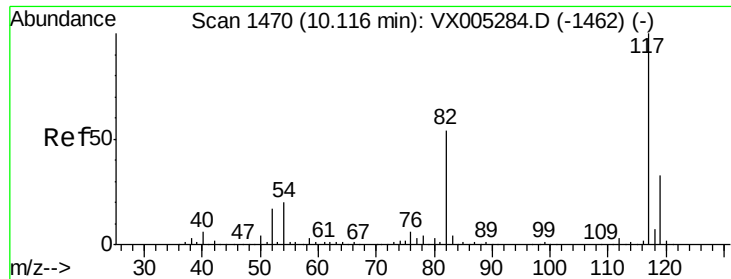
MMDadoda
 10/19/2018 12:23:42 PM



#62
 4-Bromofluorobenzene
 Concen: 46.28 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VX005398.D
 Acq: 17 Oct 2018 18:55

Tgt Ion: 95 Resp: 174697
 Ion Ratio Lower Upper
 95 100
 174 94.5 0.0 185.2
 176 91.9 0.0 178.6





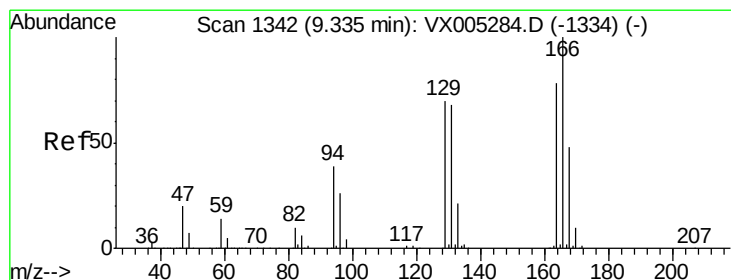
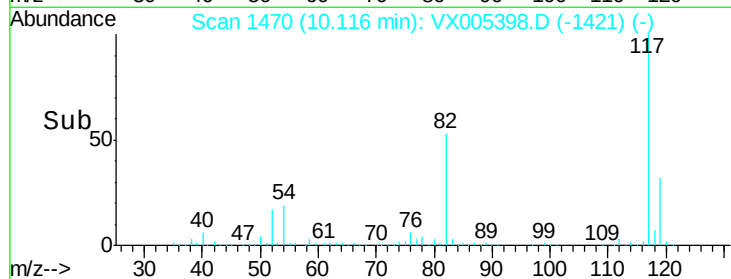
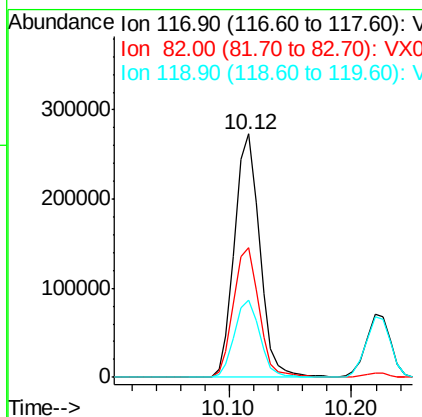
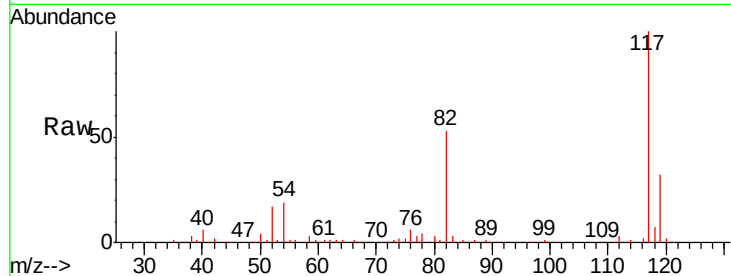
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005398.D
Acq: 17 Oct 2018 18:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	391388		
82	53.1	47.8	71.6	
119	31.9	29.3	43.9	

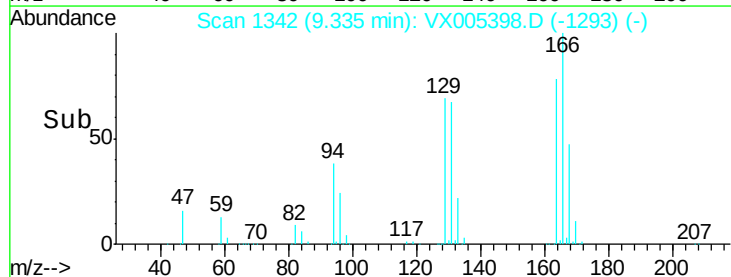
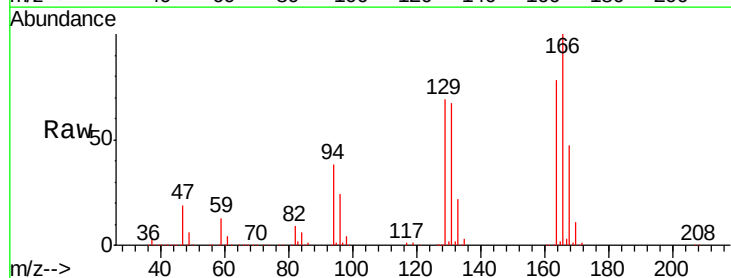
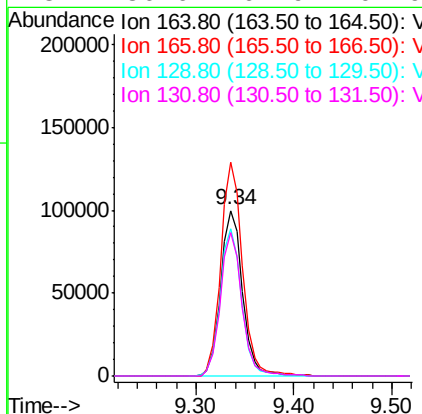
Manual Integrations
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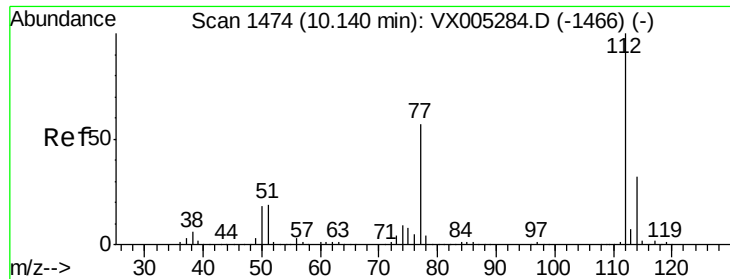
MMDadoda
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#64
Tetrachloroethene
Concen: 49.29 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005398.D
Acq: 17 Oct 2018 18:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	155307		
166	128.9	102.8	154.2	
129	88.9	69.4	104.0	
131	86.6	67.9	101.9	





#65

Chlorobenzene

Concen: 47.58 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX005398.D

Acq: 17 Oct 2018 18:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 396124

Ion Ratio Lower Upper

112 100

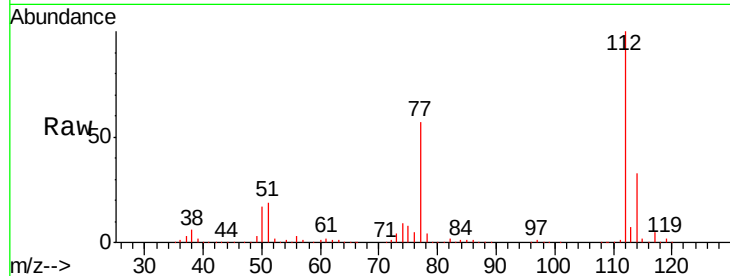
114 32.7 27.8 41.8

Manual Integrations

APPROVED

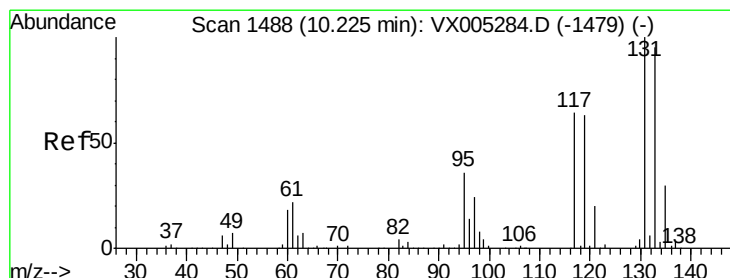
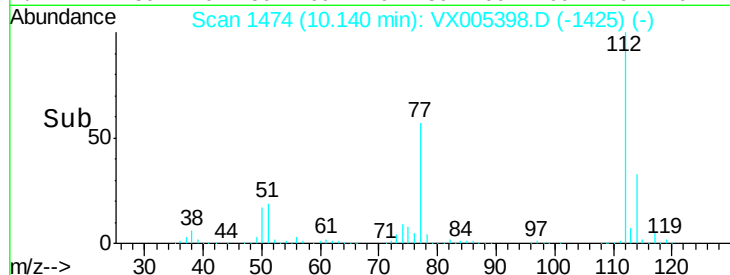
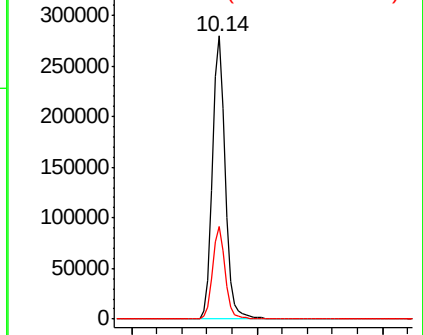
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.10 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.01 min

Lab File: VX005398.D

Acq: 17 Oct 2018 18:55

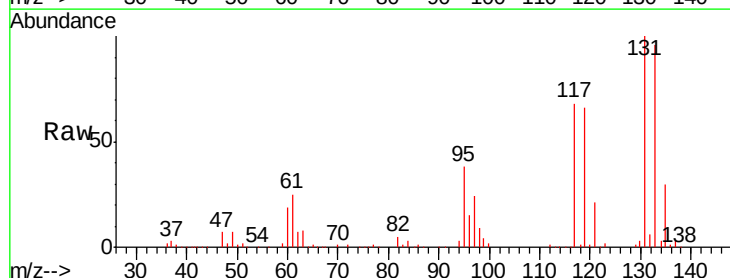
Tgt Ion:131 Resp: 145673

Ion Ratio Lower Upper

131 100

133 95.5 48.1 144.4

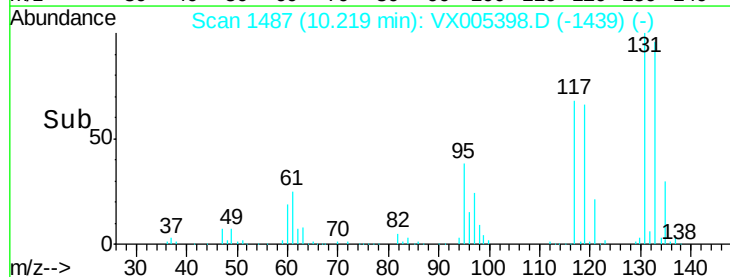
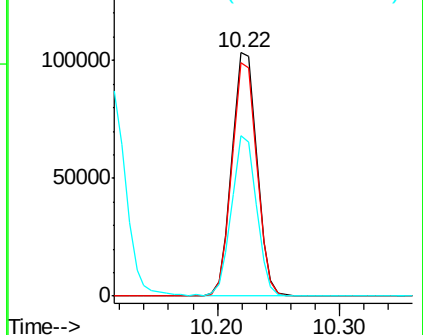
119 65.4 32.9 98.6

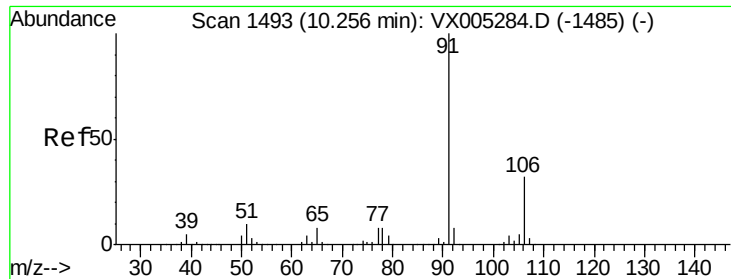


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





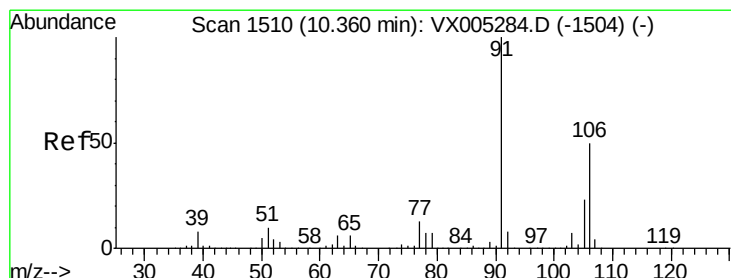
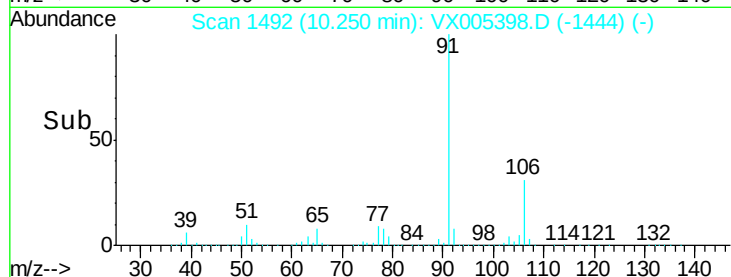
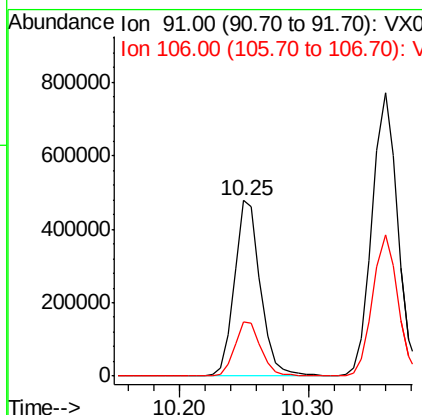
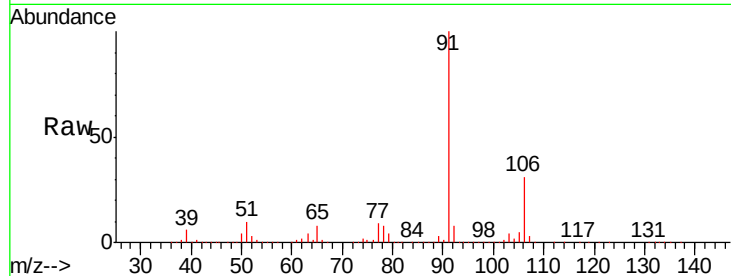
#67
Ethyl Benzene
Concen: 49.76 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX005398.D
Acq: 17 Oct 2018 18:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 673509
Ion Ratio Lower Upper
91 100
106 30.8 25.9 38.9

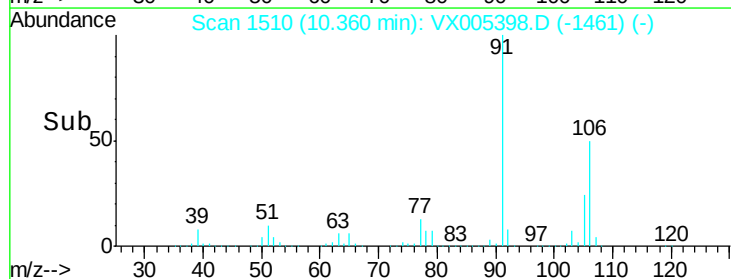
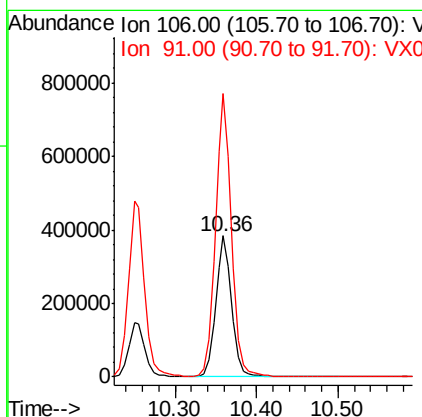
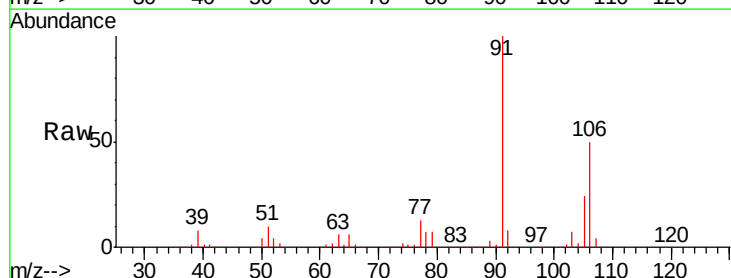
Manual Integrations
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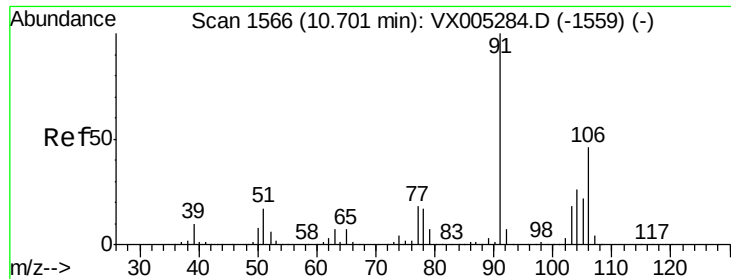
MMDadoda
10/19/2018 12:23:42 PM



#68
m/p-Xylenes
Concen: 100.18 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX005398.D
Acq: 17 Oct 2018 18:55

Tgt Ion: 106 Resp: 526245
Ion Ratio Lower Upper
106 100
91 202.2 157.1 235.7





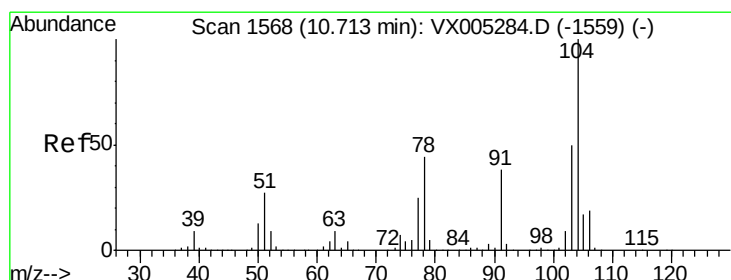
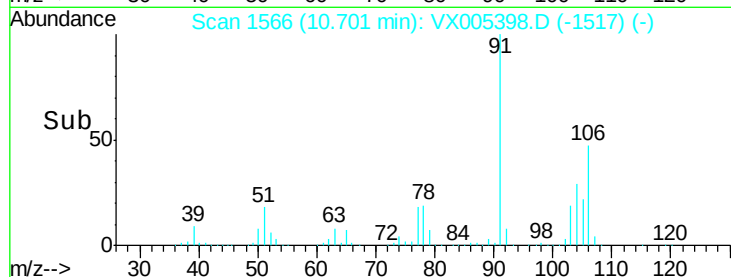
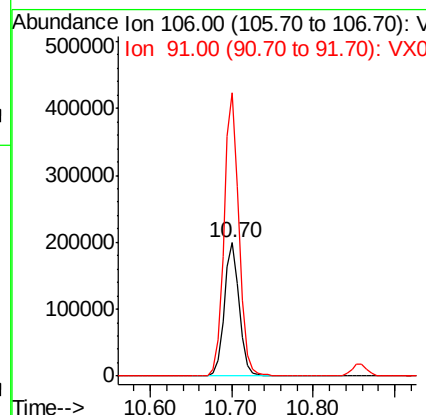
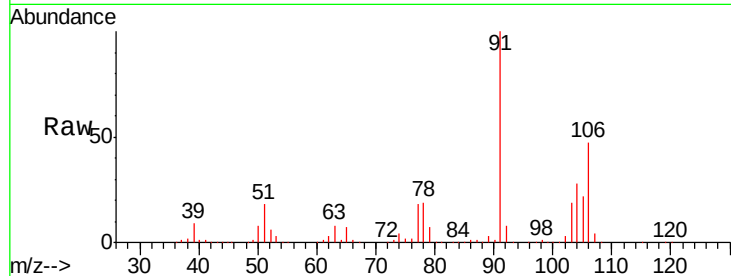
#69
o-Xylene
Concen: 50.36 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005398.D
Acq: 17 Oct 2018 18:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 255141
Ion Ratio Lower Upper
106 100
91 212.6 105.1 315.1

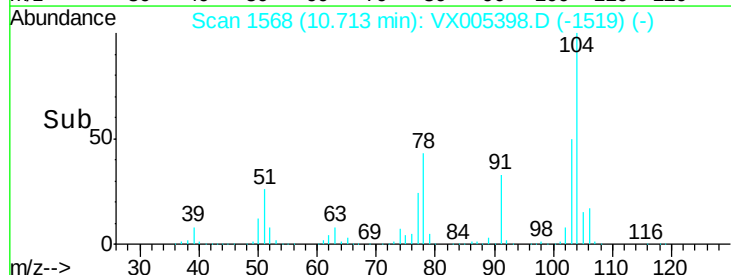
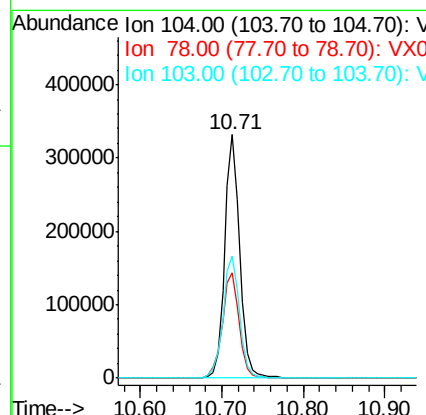
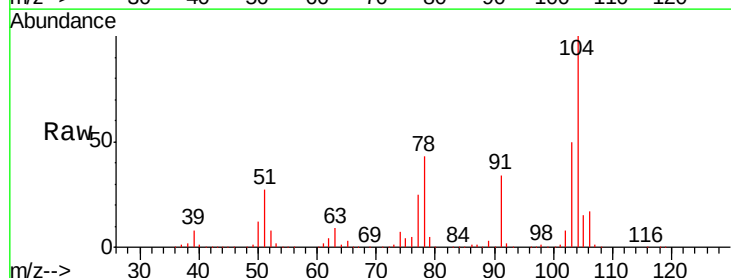
Manual Integrations
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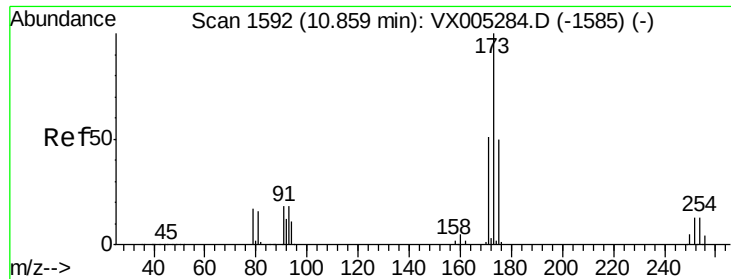
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#70
Styrene
Concen: 51.50 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005398.D
Acq: 17 Oct 2018 18:55

Tgt Ion:104 Resp: 429139
Ion Ratio Lower Upper
104 100
78 48.8 37.4 56.0
103 55.7 43.8 65.6





#71

Bromoform

Concen: 48.96 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX005398.D

Acq: 17 Oct 2018 18:55

Instrument :

MSVOA_X

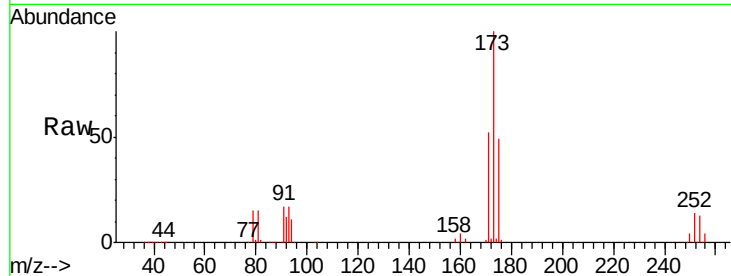
ClientSampleId :

VSTDCCC050

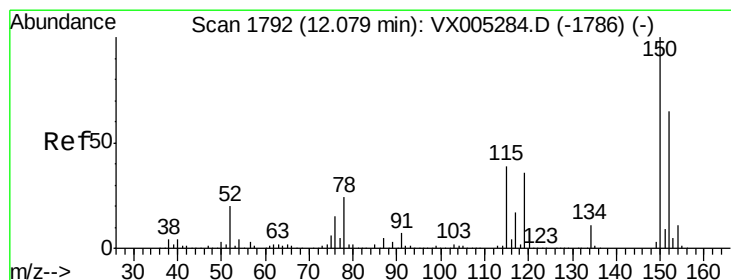
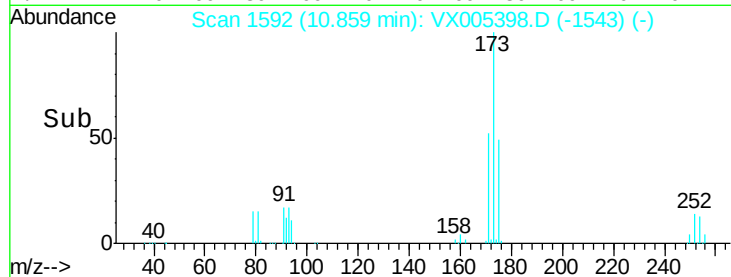
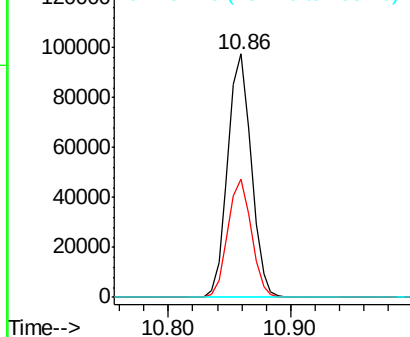
Tgt Ion:	173	Resp:	129811
Ion Ratio	Lower	Upper	
173	100		
175	48.7	24.1	72.3
254	0.2	0.2	0.2

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

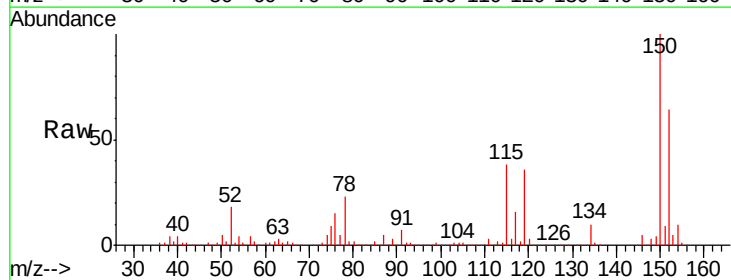
RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

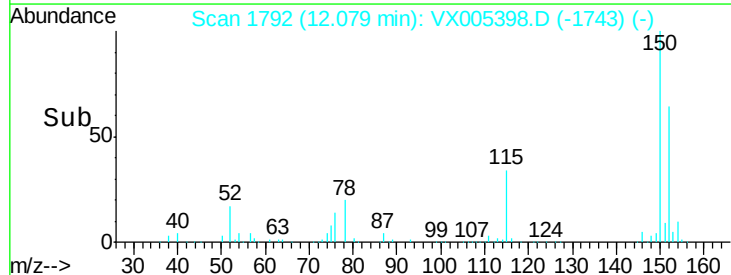
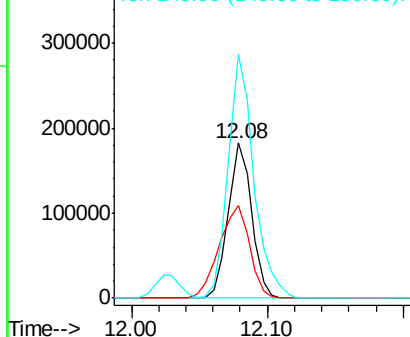
Lab File: VX005398.D

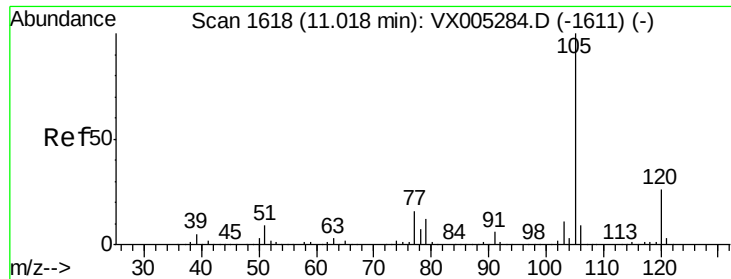
Acq: 17 Oct 2018 18:55

Tgt Ion:	152	Resp:	219643
Ion Ratio	Lower	Upper	
152	100		
115	76.8	39.0	117.0
150	171.7	0.0	351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





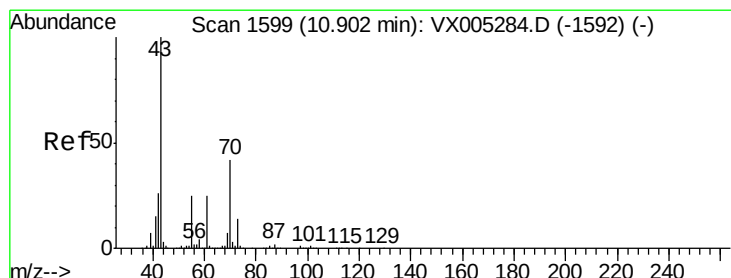
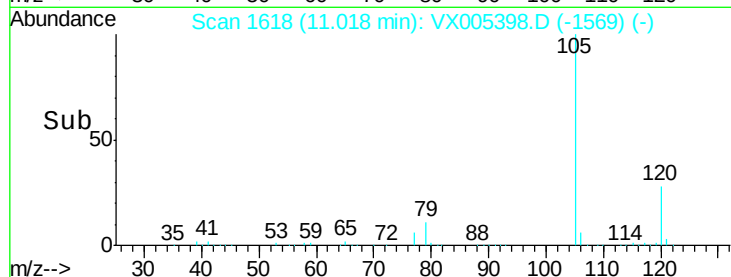
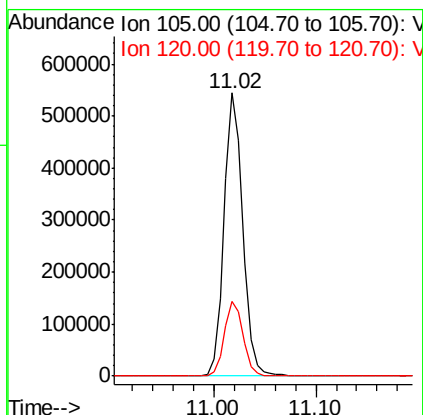
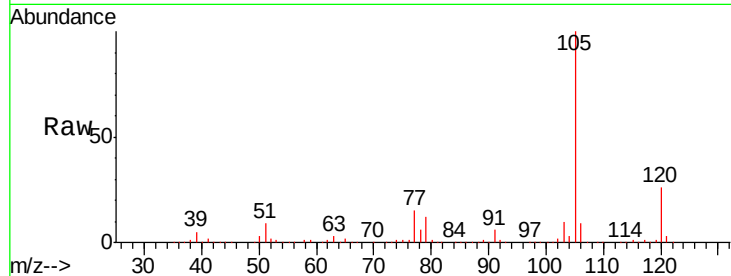
#73
Isopropylbenzene
Concen: 53.11 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX005398.D
Acq: 17 Oct 2018 18:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 105 Resp: 693460
Ion Ratio Lower Upper
105 100
120 26.7 13.5 40.4

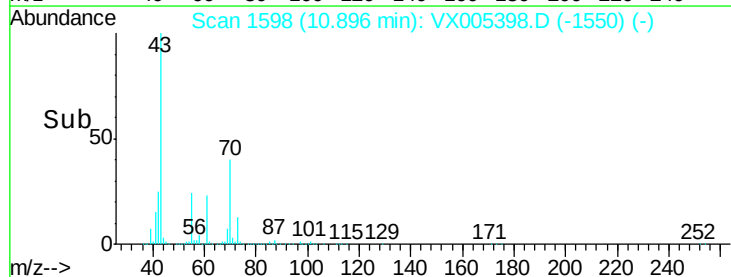
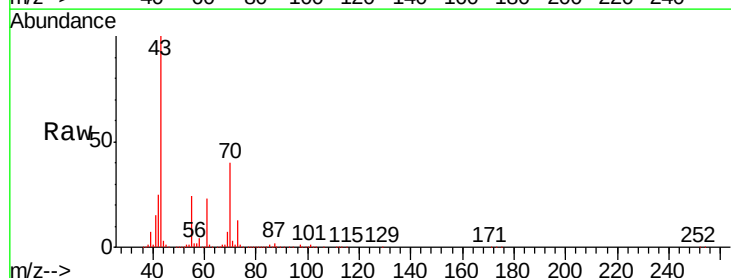
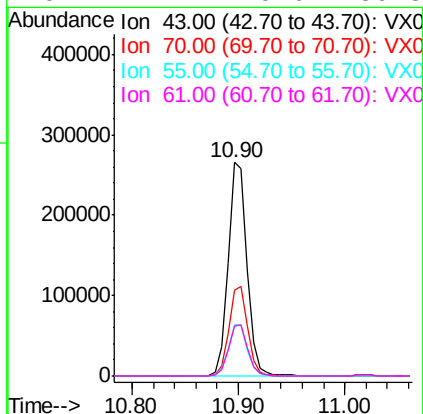
Manual Integrations
APPROVED

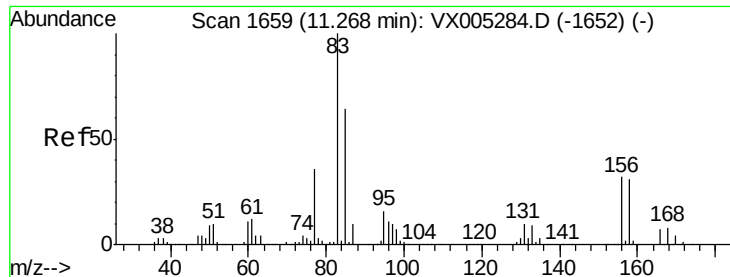
MMDadoda
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#74
N-ethyl acetate
Concen: 52.33 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.01 min
Lab File: VX005398.D
Acq: 17 Oct 2018 18:55

Tgt Ion: 43 Resp: 329564
Ion Ratio Lower Upper
43 100
70 42.0 37.4 56.0
55 24.5 21.8 32.8
61 24.4 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 48.16 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005398.D

Acq: 17 Oct 2018 18:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 237213

Ion Ratio Lower Upper

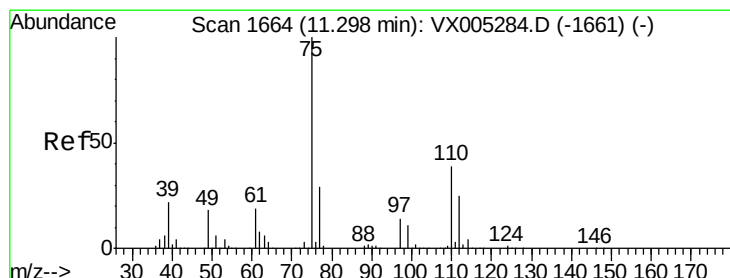
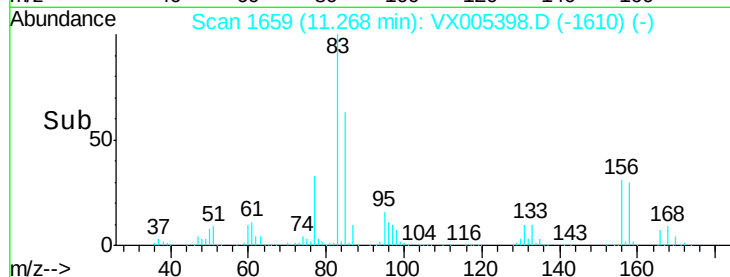
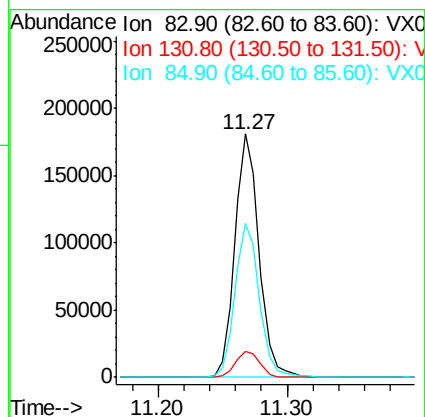
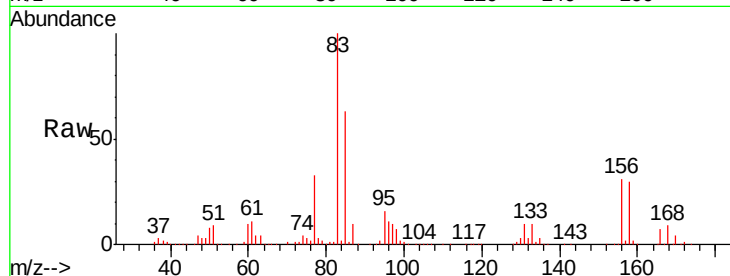
83 100

131 10.8 5.2 15.6

85 64.0 32.3 96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.34 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX005398.D

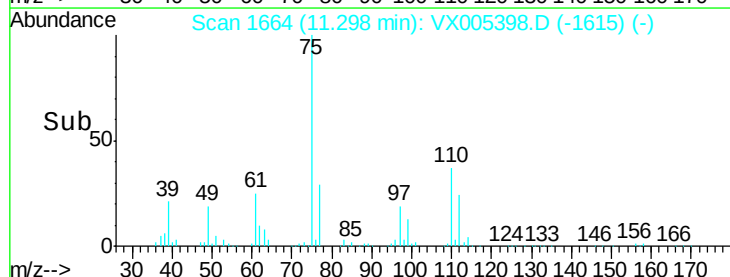
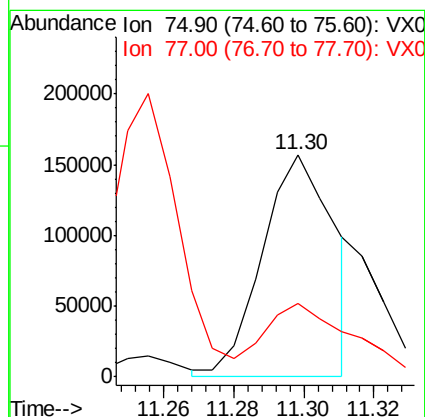
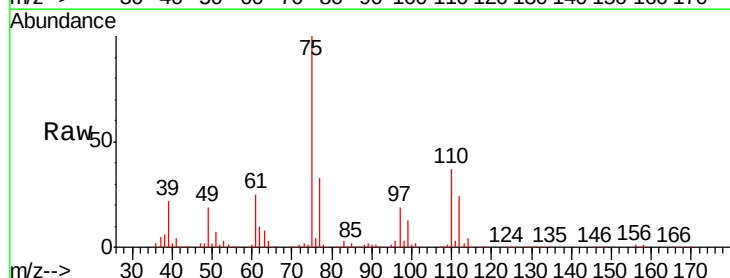
Acq: 17 Oct 2018 18:55

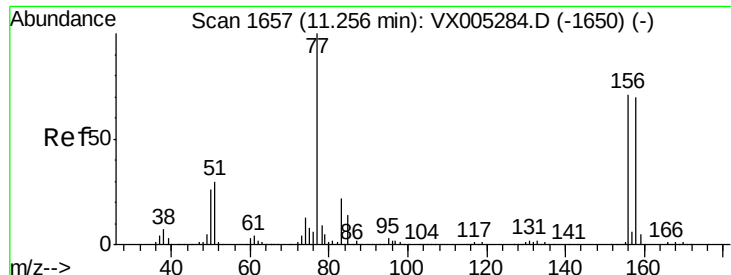
Tgt Ion: 75 Resp: 222990

Ion Ratio Lower Upper

75 100

77 40.8 20.2 60.6





#77

Bromobenzene

Concen: 50.16 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005398.D

Acq: 17 Oct 2018 18:55

Instrument :

MSVOA_X

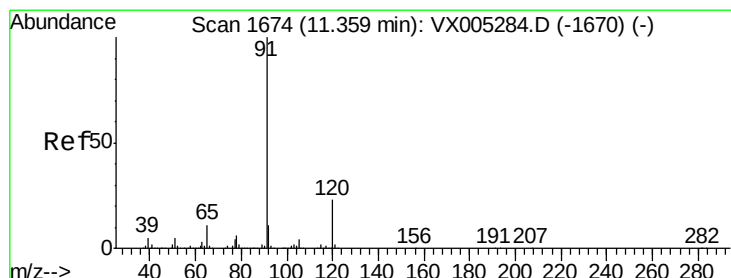
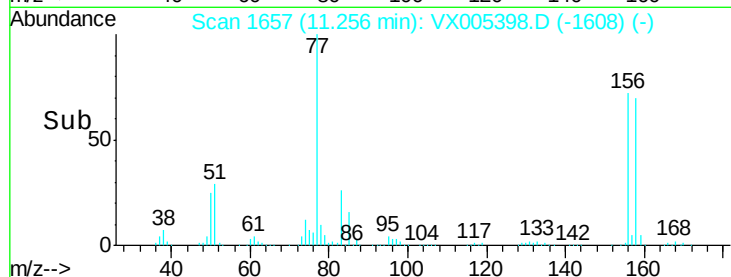
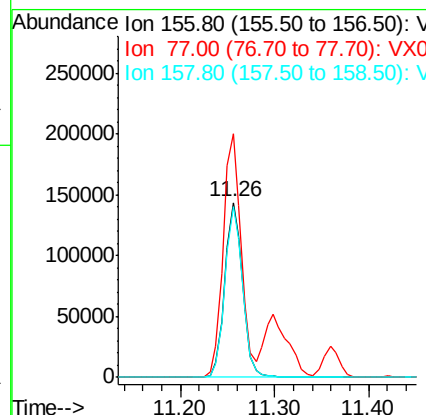
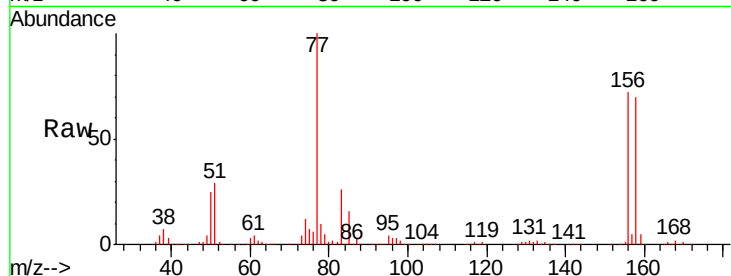
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	187252		
77	141.8	71.5	214.3	
158	97.7	48.9	146.8	

Manual Integrations
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#78

n-propylbenzene

Concen: 52.52 ug/l

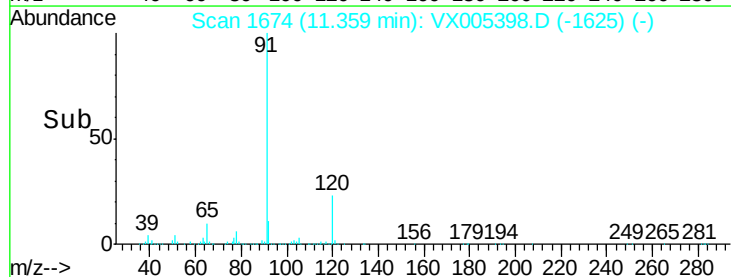
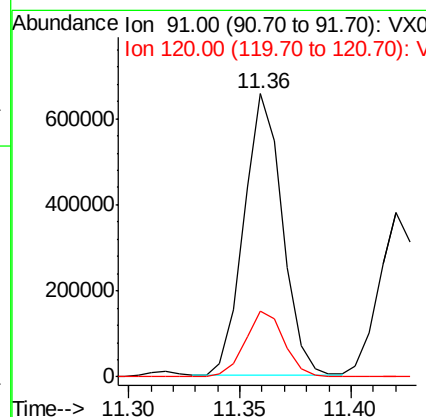
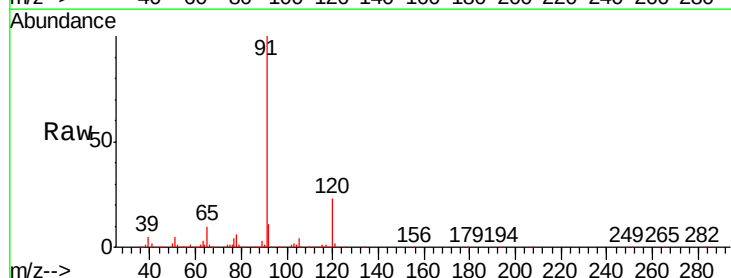
RT: 11.36 min Scan# 1674

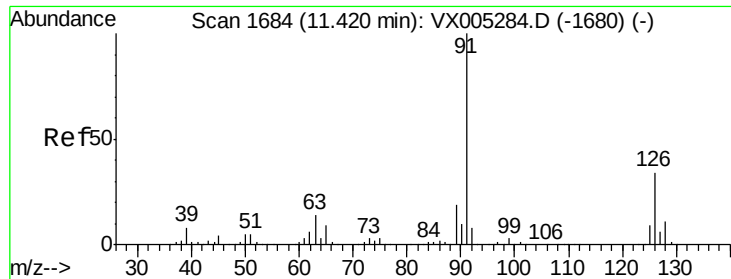
Delta R.T. 0.00 min

Lab File: VX005398.D

Acq: 17 Oct 2018 18:55

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	789177		
120	23.9	11.9	35.9	





#79

2-Chlorotoluene

Concen: 51.00 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX005398.D

Acq: 17 Oct 2018 18:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 469299

Ion Ratio Lower Upper

91 100

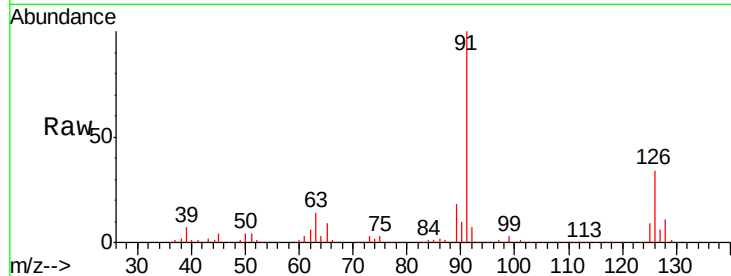
126 35.1 17.9 53.7

Manual Integrations

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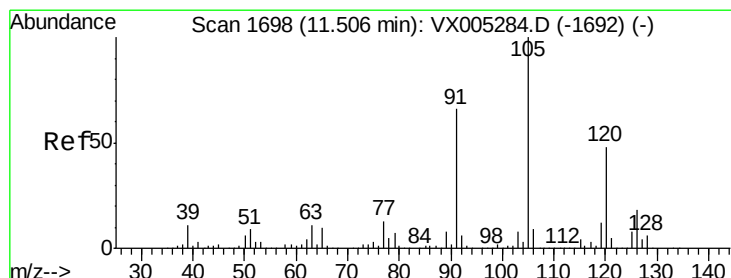
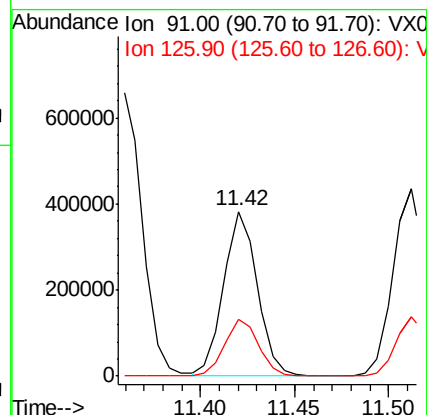
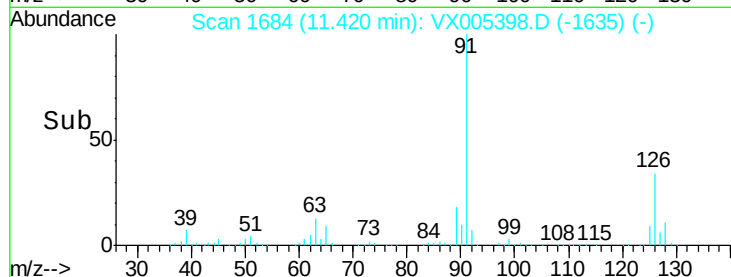
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Abundance Ion 91.00 (90.70 to 91.70): VX005398.D (-1635) (-)

Ion 125.90 (125.60 to 126.60): VX005398.D (-1635) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.46 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX005398.D

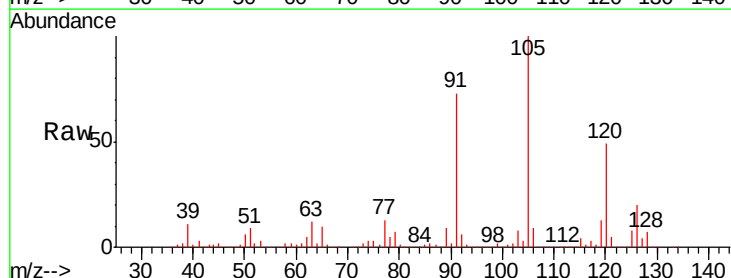
Acq: 17 Oct 2018 18:55

Tgt Ion: 105 Resp: 586619

Ion Ratio Lower Upper

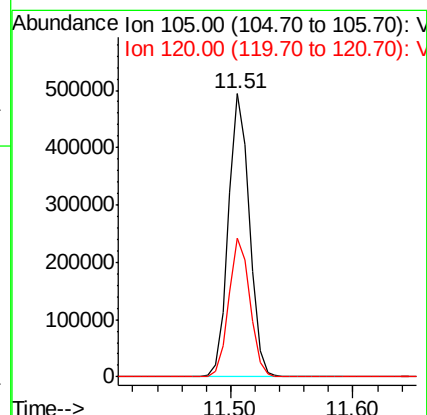
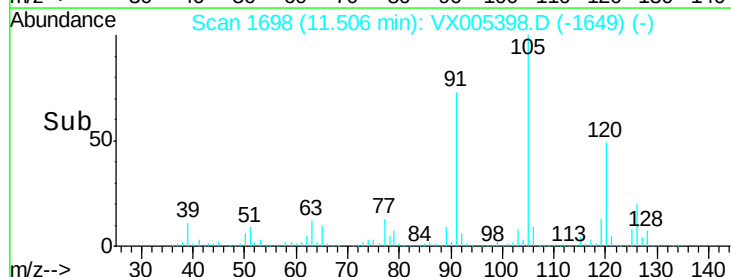
105 100

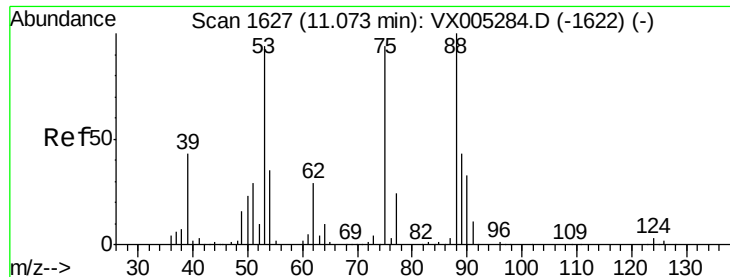
120 49.1 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX005398.D (-1649) (-)

Ion 120.00 (119.70 to 120.70): VX005398.D (-1649) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 50.10 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX005398.D

Acq: 17 Oct 2018 18:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 70255
Ion Ratio Lower Upper

75 100

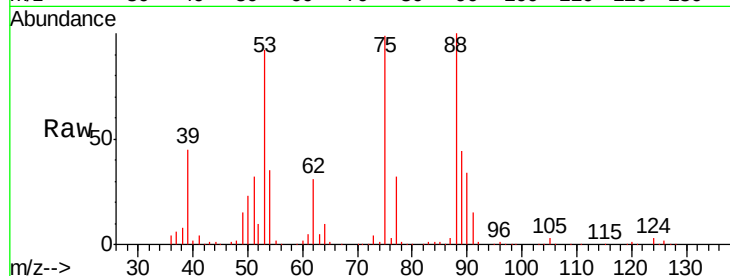
53 93.4 80.1 120.1

89 45.6 37.2 55.8

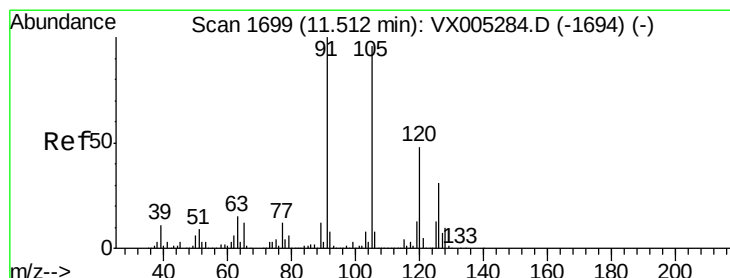
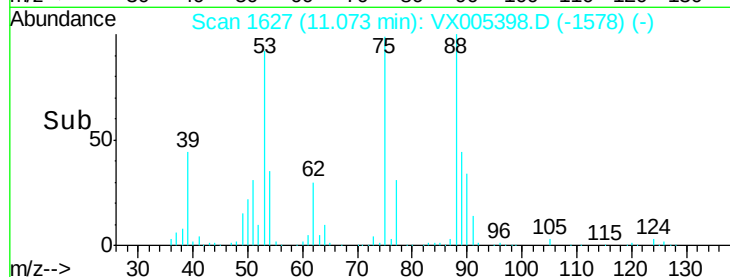
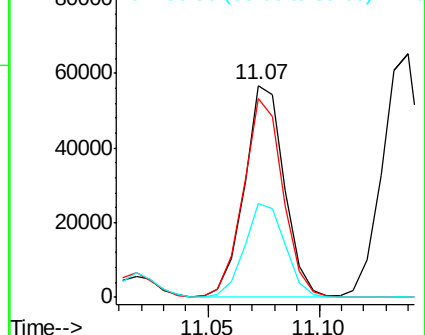
Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 50.55 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

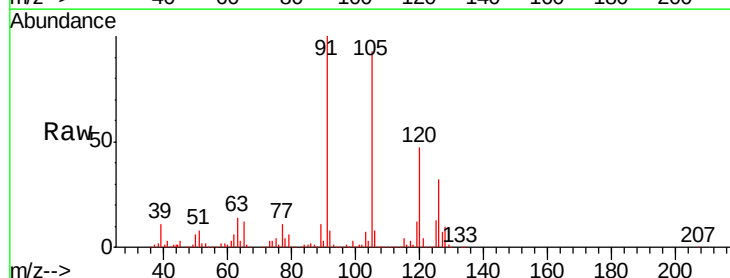
Lab File: VX005398.D

Acq: 17 Oct 2018 18:55

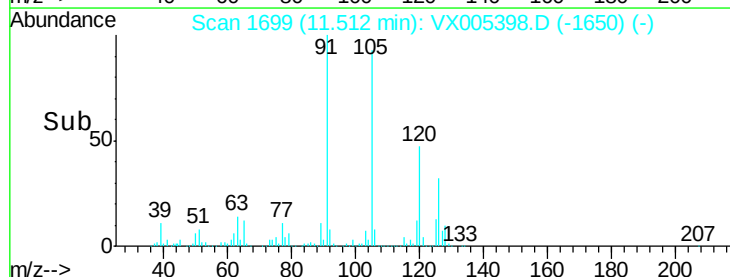
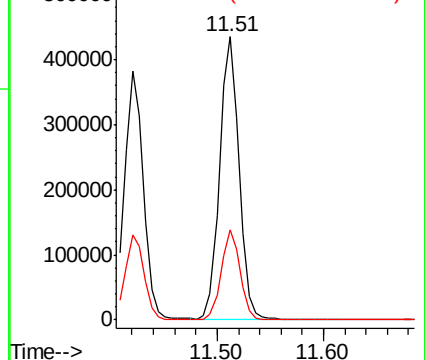
Tgt Ion: 91 Resp: 551365
Ion Ratio Lower Upper

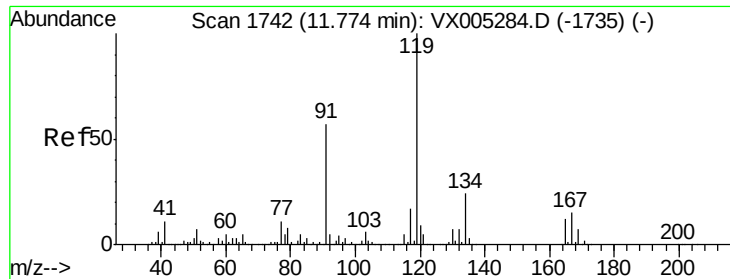
91 100

126 31.1 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





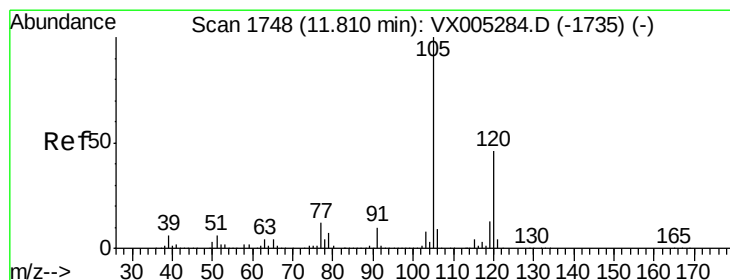
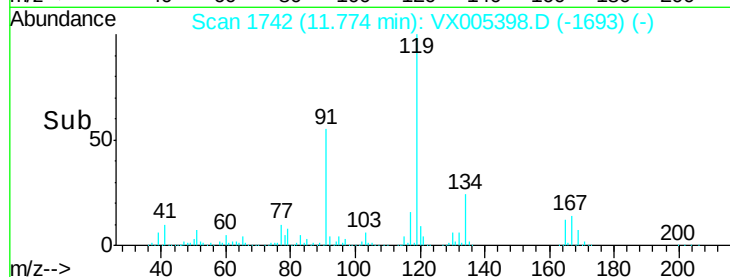
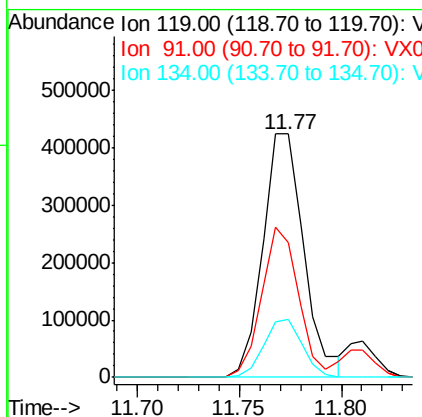
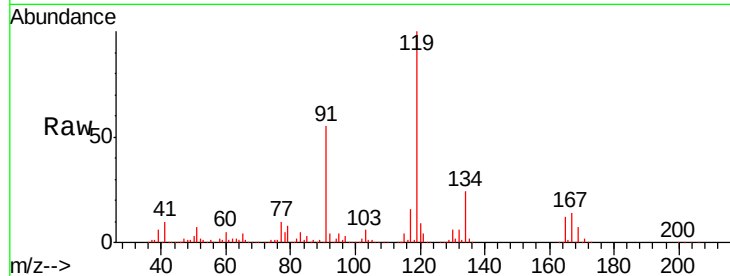
#83
 tert-Butylbenzene
 Concen: 52.59 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX005398.D
 Acq: 17 Oct 2018 18:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
119	100		
91	55.5	27.0	81.0
134	22.6	11.7	35.1

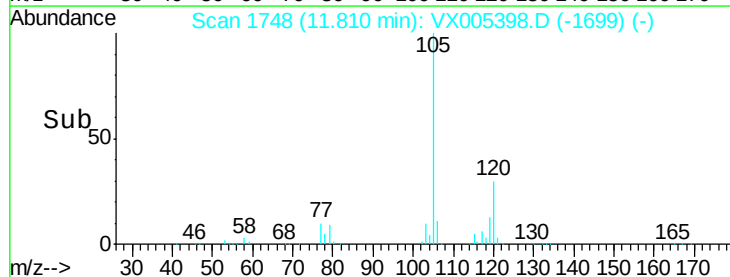
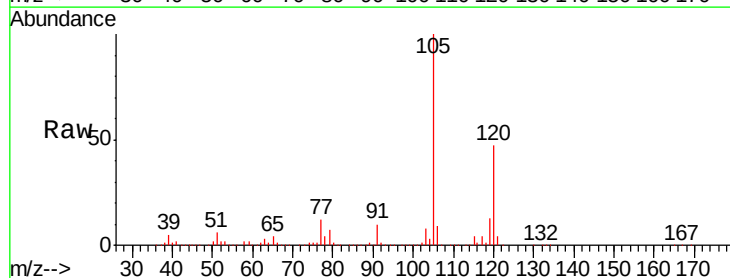
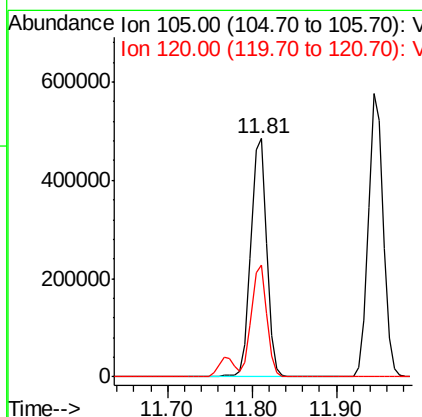
Manual Integrations
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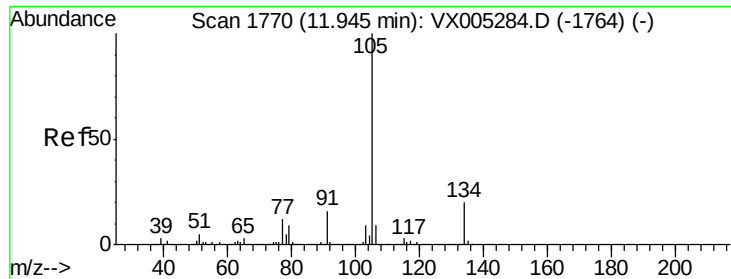
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.73 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX005398.D
 Acq: 17 Oct 2018 18:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	23.2	69.6





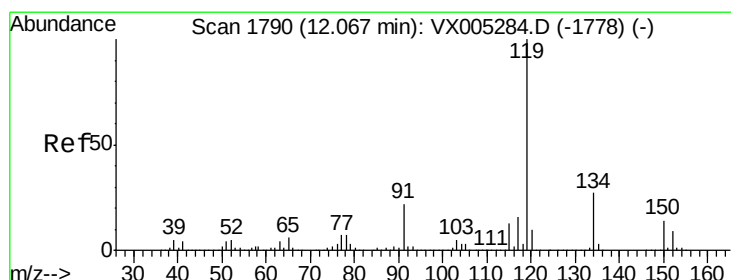
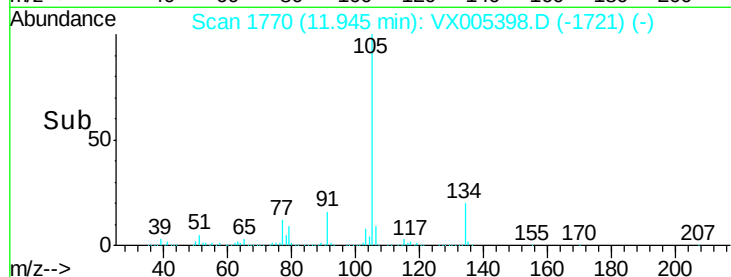
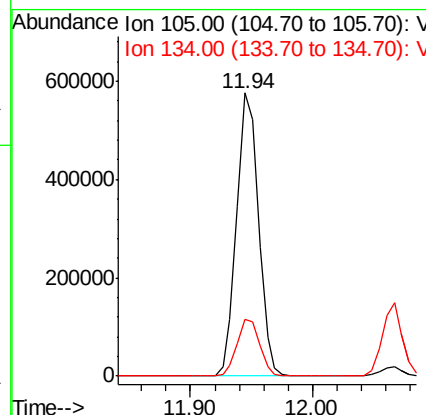
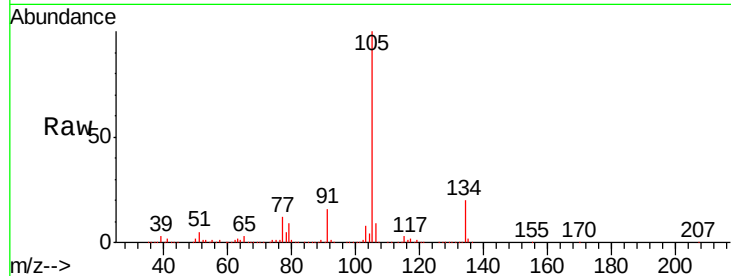
#85
 sec-Butylbenzene
 Concen: 53.17 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX005398.D
 Acq: 17 Oct 2018 18:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.5	31.5

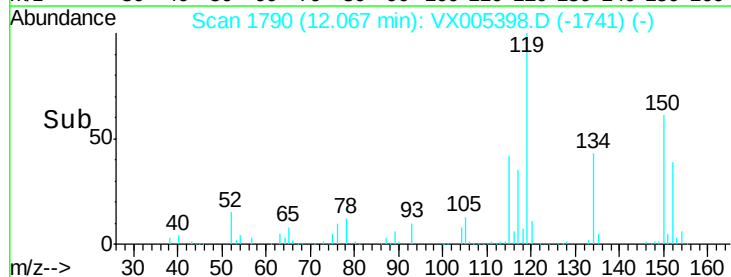
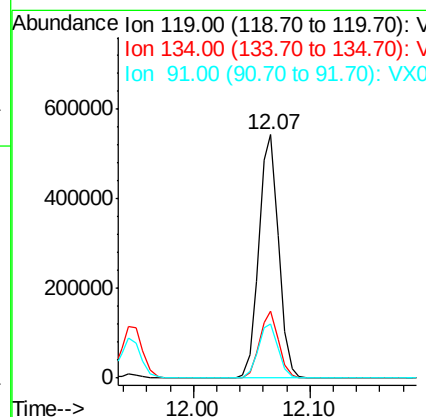
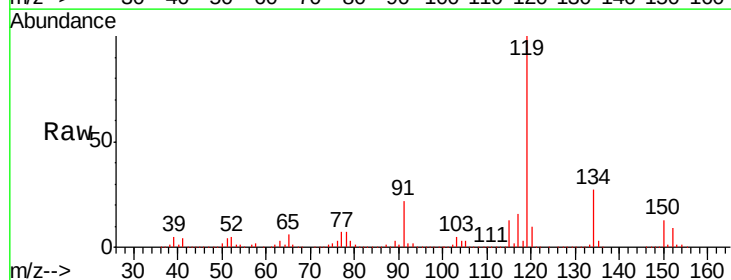
Manual Integrations
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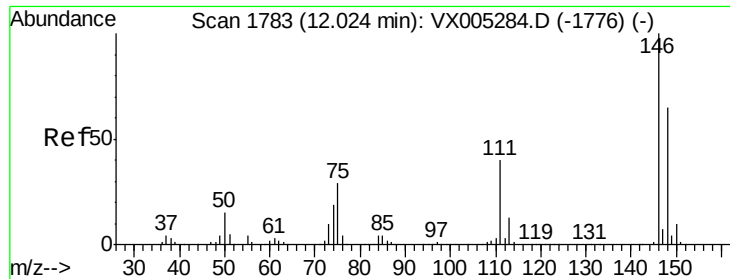
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#86
 p-Isopropyltoluene
 Concen: 53.15 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX005398.D
 Acq: 17 Oct 2018 18:55

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.4	40.2
91	22.4	10.9	32.7





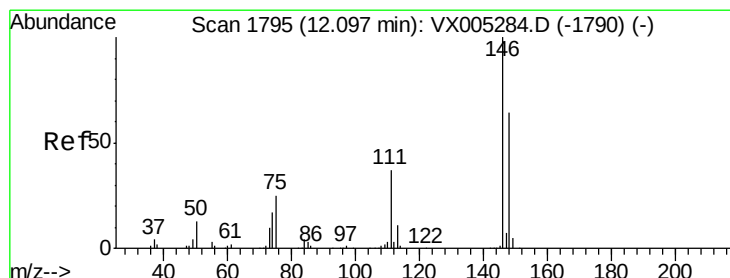
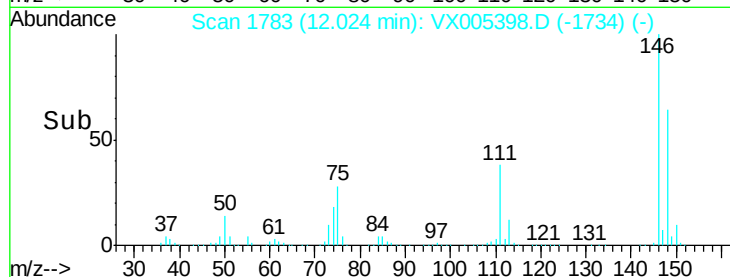
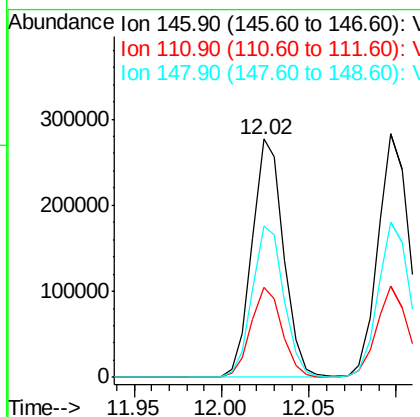
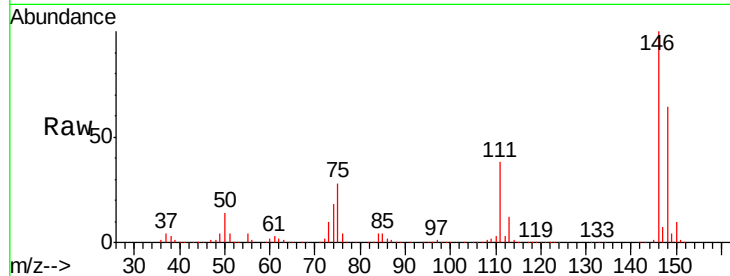
#87
 1,3-Dichlorobenzene
 Concen: 49.79 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX005398.D
 Acq: 17 Oct 2018 18:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.7	56.1
148	63.9	32.1	96.5

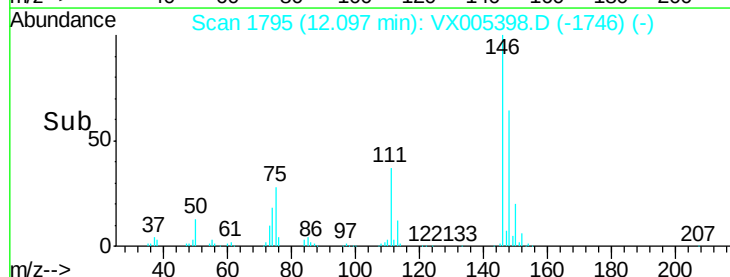
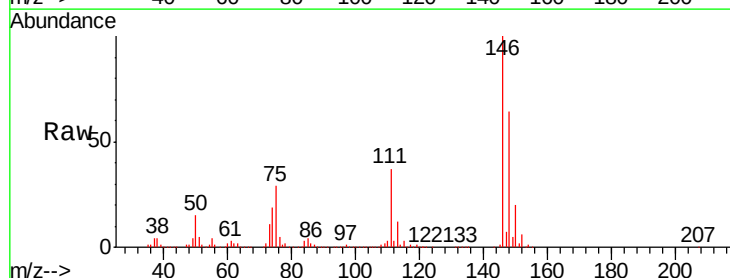
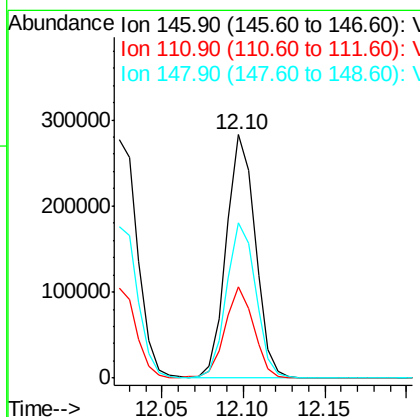
Manual Integrations
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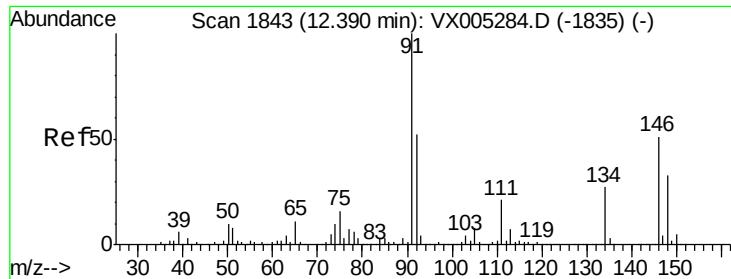
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#88
 1,4-Dichlorobenzene
 Concen: 48.93 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX005398.D
 Acq: 17 Oct 2018 18:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.1	54.1
148	64.4	32.0	96.0





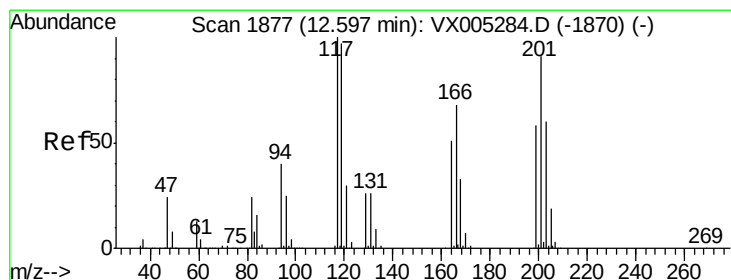
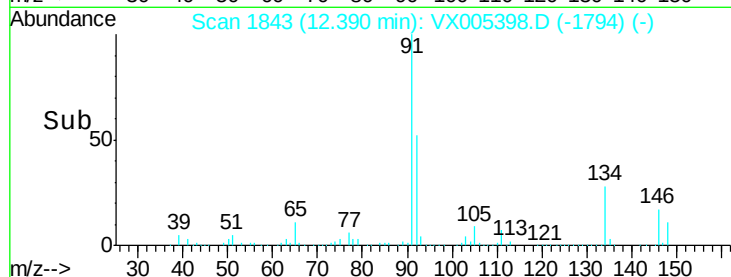
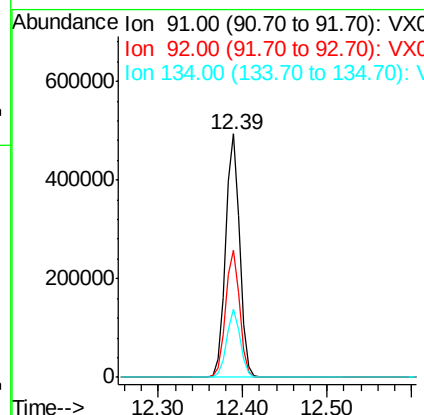
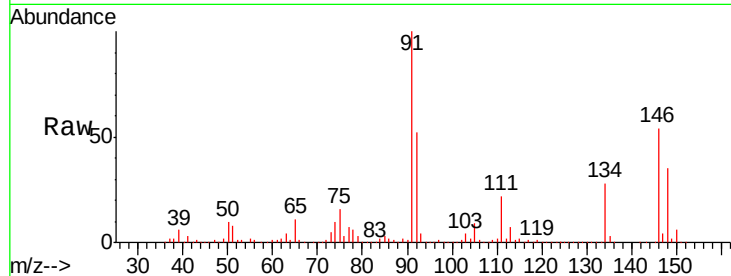
#89
n-Butylbenzene
Concen: 51.89 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005398.D
Acq: 17 Oct 2018 18:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.3	27.3	81.9
134	27.1	13.6	40.7

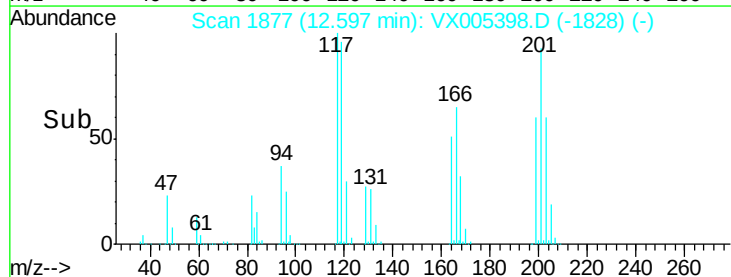
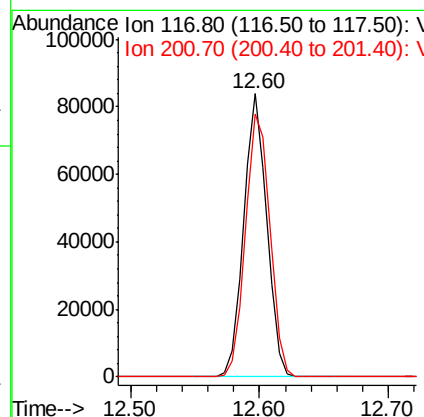
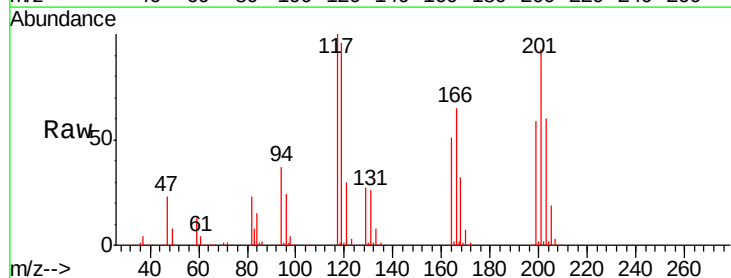
Manual Integrations
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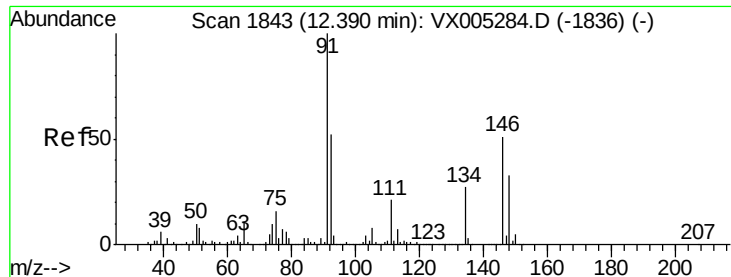
MMDadoda
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#90
Hexachloroethane
Concen: 49.65 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005398.D
Acq: 17 Oct 2018 18:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.3	46.9	140.6





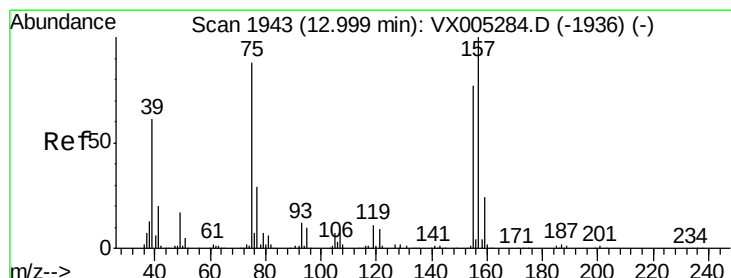
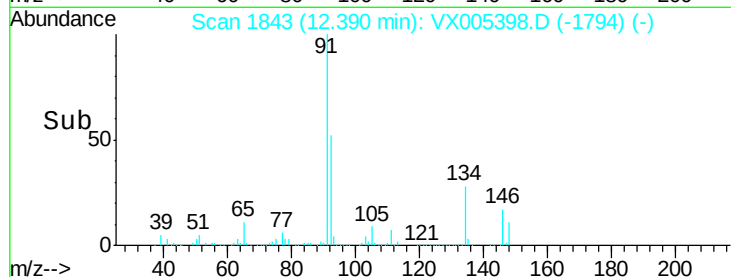
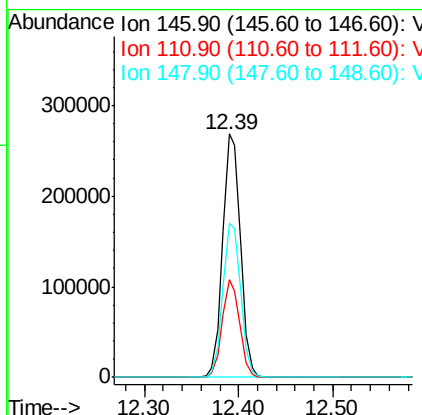
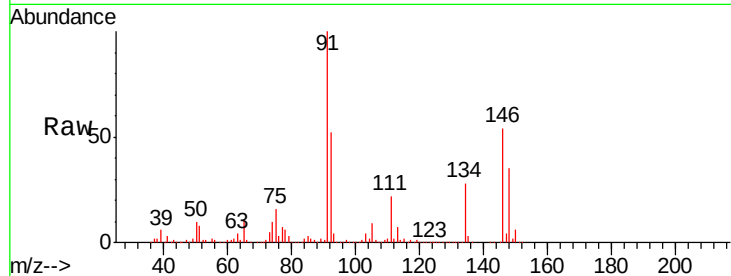
#91
 1,2-Dichlorobenzene
 Concen: 49.11 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX005398.D
 Acq: 17 Oct 2018 18:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.4	58.1
148	63.9	32.8	98.3

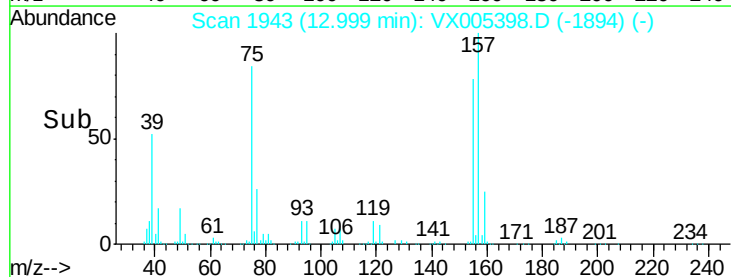
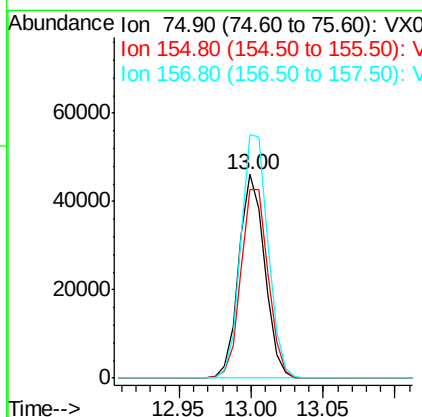
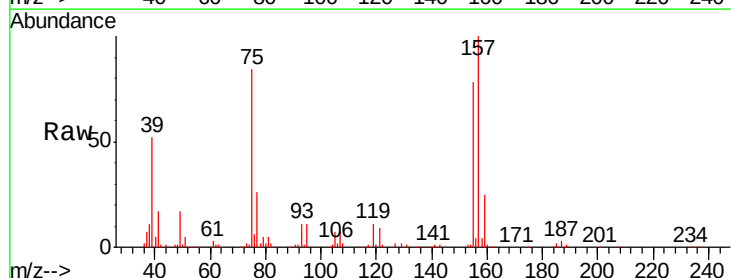
Manual Integrations
 APPROVED

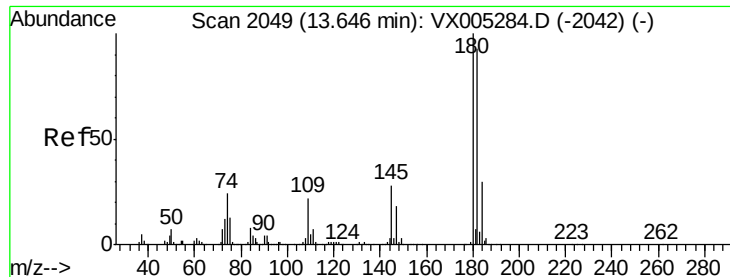
MMDadoda
 10/19/2018 12:23:42 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.85 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX005398.D
 Acq: 17 Oct 2018 18:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.6	48.0	144.2
157	125.2	61.4	184.1





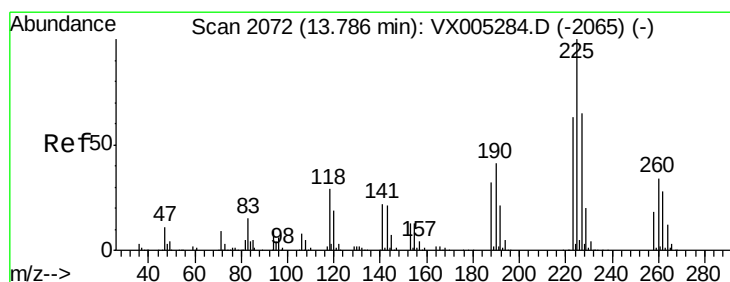
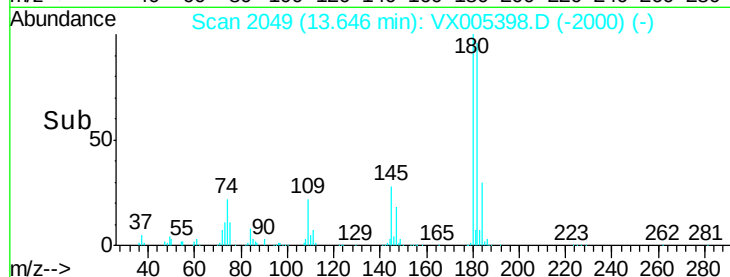
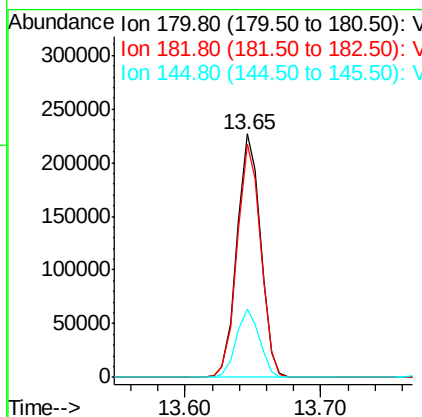
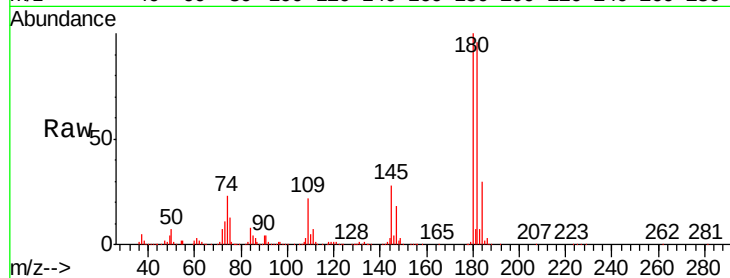
#93
1,2,4-Trichlorobenzene
Concen: 52.21 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX005398.D
Acq: 17 Oct 2018 18:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	272708		
182	95.7	48.4	145.0	
145	27.7	14.3	42.9	

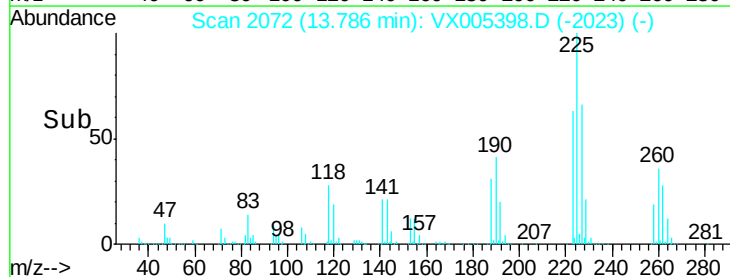
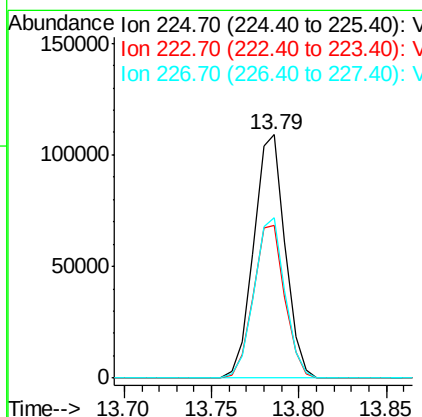
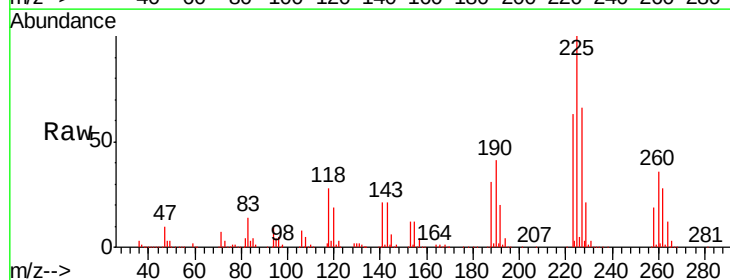
Manual Integrations
APPROVED

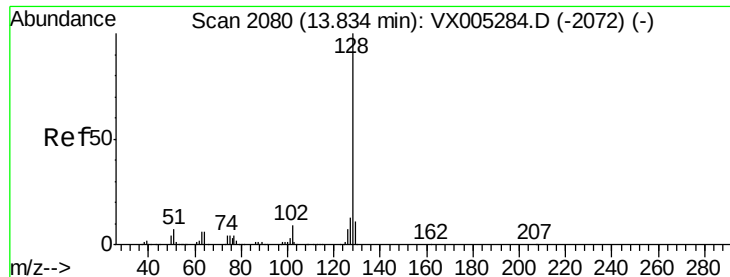
MMDadoda
10/19/2018 12:23:42 PM



#94
Hexachlorobutadiene
Concen: 49.14 ug/l
RT: 13.79 min Scan# 2072
Delta R.T. 0.00 min
Lab File: VX005398.D
Acq: 17 Oct 2018 18:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	135559		
223	62.9	30.1	90.5	
227	64.7	30.8	92.4	





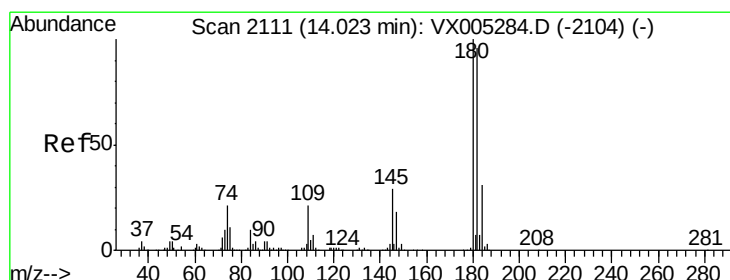
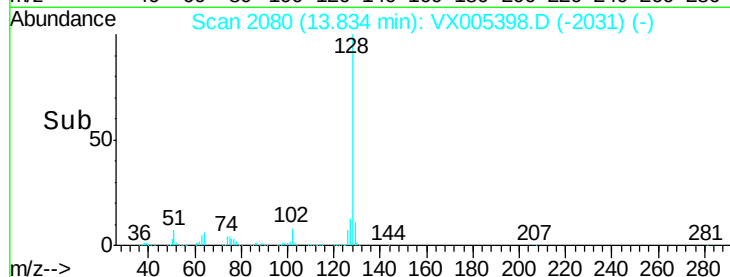
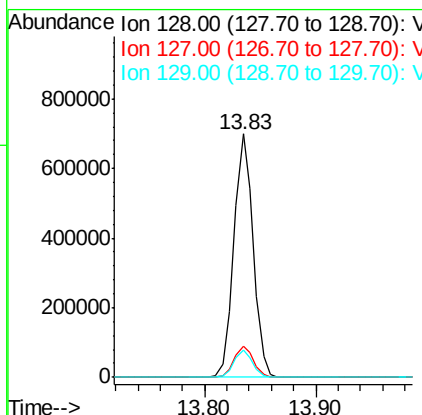
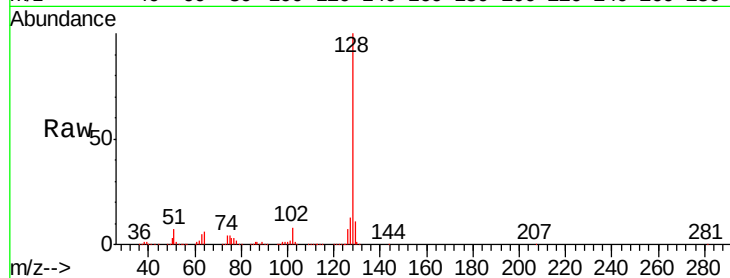
#95
Naphthalene
Concen: 55.01 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005398.D
Acq: 17 Oct 2018 18:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	833218		
127	12.9	10.2	15.2	
129	10.9	8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
10/19/2018 12:23:42 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.44 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VX005398.D
Acq: 17 Oct 2018 18:55

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	274910		
182	96.7	48.5	145.6	
145	29.9	14.9	44.9	

