

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100918\
 Data File : VX005179.D
 Acq On : 10 Oct 2018 00:17
 Operator : JC/MD
 Sample : J5303-04MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW513-1014MSD

Manual Integrations
 APPROVED

MMDadoda
 10/10/2018 2:08:11 PM

Quant Time: Oct 10 08:08:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	176610	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	266684	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	253213	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	151973	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	138957	55.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.16%	
35) Dibromofluoromethane	5.50	113	107123	47.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.80%	
50) Toluene-d8	8.72	98	384842	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
62) 4-Bromofluorobenzene	11.14	95	142128	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	104077	43.221	ug/l	99
3) Chloromethane	1.32	50	131550	45.028	ug/l	99
4) Vinyl Chloride	1.40	62	132098	48.209	ug/l	98
5) Bromomethane	1.64	94	102922	63.342	ug/l	93
6) Chloroethane	1.71	64	80893	54.375	ug/l	94
7) Trichlorofluoromethane	1.92	101	170543	50.275	ug/l	93
8) Diethyl Ether	2.19	74	74302	50.419	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	82083	42.479	ug/l	100
10) Methyl Iodide	2.51	142	118126	45.684	ug/l	91
11) Tert butyl alcohol	3.08	59	205789	291.726	ug/l	99
12) 1,1-Dichloroethene	2.37	96	92885	48.539	ug/l	94
13) Acrolein	2.29	56	36561	72.845	ug/l	89
14) Allyl chloride	2.72	41	195573	46.840	ug/l	96
15) Acrylonitrile	3.15	53	433229	278.981	ug/l	97
16) Acetone	2.45	43	405554	275.343	ug/l	94
17) Carbon Disulfide	2.56	76	229264	39.870	ug/l	99
18) Methyl Acetate	2.78	43	198379	53.160	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	374661	56.760	ug/l	97
20) Methylene Chloride	2.85	84	114801	53.668	ug/l	89
21) trans-1,2-Dichloroethene	3.16	96	97217	46.408	ug/l	83
22) Diisopropyl ether	3.87	45	367165	52.221	ug/l	95
23) Vinyl Acetate	3.82	43	1191514	185.137	ug/l	98
24) 1,1-Dichloroethane	3.69	63	216496	51.620	ug/l	99
25) 2-Butanone	4.71	43	567100	261.203	ug/l	98
26) 2,2-Dichloropropane	4.58	77	44541	15.251	ug/l	91
27) cis-1,2-Dichloroethene	4.60	96	109482	46.784	ug/l	96
28) Bromochloromethane	5.02	49	101687	51.486	ug/l	99
29) Tetrahydrofuran	5.16	42	365728	271.026	ug/l	98
30) Chloroform	5.21	83	195571	49.339	ug/l	99
31) Cyclohexane	5.57	56	127718	39.787	ug/l	88
32) 1,1,1-Trichloroethane	5.49	97	162328	50.145	ug/l	95
36) 1,1-Dichloropropene	5.80	75	132145	42.852	ug/l	94
37) Ethyl Acetate	4.86	43	152604	37.281	ug/l	98
38) Carbon Tetrachloride	5.78	117	138453	42.712	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	105199	33.409	ug/l #	83
40) Benzene	6.14	78	440839	45.663	ug/l	94
41) Methacrylonitrile	5.06	41	110924	48.864	ug/l	97
42) 1,2-Dichloroethane	6.20	62	157994	46.294	ug/l	98
43) Isopropyl Acetate	6.46	43	247294	41.857	ug/l	97
44) Trichloroethene	7.21	130	108995	45.925	ug/l	94
45) 1,2-Dichloropropane	7.52	63	117193	49.500	ug/l	99
46) Dibromomethane	7.66	93	76118	51.158	ug/l	100
47) Bromodichloromethane	7.90	83	147844	53.072	ug/l	98
48) Methyl methacrylate	7.78	41	152876	57.009	ug/l	100
49) 1,4-Dioxane	7.75	88	74919	1124.544	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1062905	285.725	ug/l	99
52) Toluene	8.79	92	255811	48.222	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	133526	42.416	ug/l	93
54) cis-1,3-Dichloropropene	8.44	75	141399	42.884	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	116845	50.284	ug/l	96
56) Ethyl methacrylate	9.18	69	177320	47.196	ug/l	98
57) 1,3-Dichloropropane	9.37	76	192451	49.763	ug/l	99
59) 2-Hexanone	9.50	43	850301	274.294	ug/l	95
60) Dibromochloromethane	9.59	129	120841	52.000	ug/l	100
61) 1,2-Dibromoethane	9.68	107	117011	47.020	ug/l	95
64) Tetrachloroethene	9.34	164	98327	39.454	ug/l	95
65) Chlorobenzene	10.14	112	290608	44.756	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	111386	48.796	ug/l	100
67) Ethyl Benzene	10.25	91	470550	45.646	ug/l	95
68) m/p-Xylenes	10.36	106	365590	90.755	ug/l	95
69) o-Xylene	10.70	106	181488	49.051	ug/l	99
70) Stvrene	10.71	104	310857	45.138	ug/l	100
71) Bromoform	10.86	173	101131	51.749	ug/l	96
73) Isopropylbenzene	11.02	105	465898	48.637	ug/l	100
74) N-amyl acetate	10.90	43	194943	37.479	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	194035	49.761	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	173074m	50.810	ug/l	
77) Bromobenzene	11.26	156	135893	48.842	ug/l	99
78) n-propylbenzene	11.36	91	512050	46.589	ug/l	99
79) 2-Chlorotoluene	11.42	91	329945	48.162	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	394942	44.964	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	37309	30.673	ug/l	99
82) 4-Chlorotoluene	11.51	91	388639	48.196	ug/l	99
83) tert-Butylbenzene	11.77	119	397268	50.372	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	413010	45.598	ug/l	99
85) sec-Butylbenzene	11.94	105	436685	45.458	ug/l	100
86) p-Isopropyltoluene	12.07	119	393195	45.177	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	241744	46.531	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	242859	45.283	ug/l	99
89) n-Butylbenzene	12.39	91	315687	39.939	ug/l	100
90) Hexachloroethane	12.60	117	67997	46.924	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	255135	46.991	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	48411	56.544	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	176671	46.387	ug/l	100

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	70230	35.560	ug/l	99
95) Naphthalene	13.83	128	631716	49.973	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	194490	49.434	ug/l	99

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

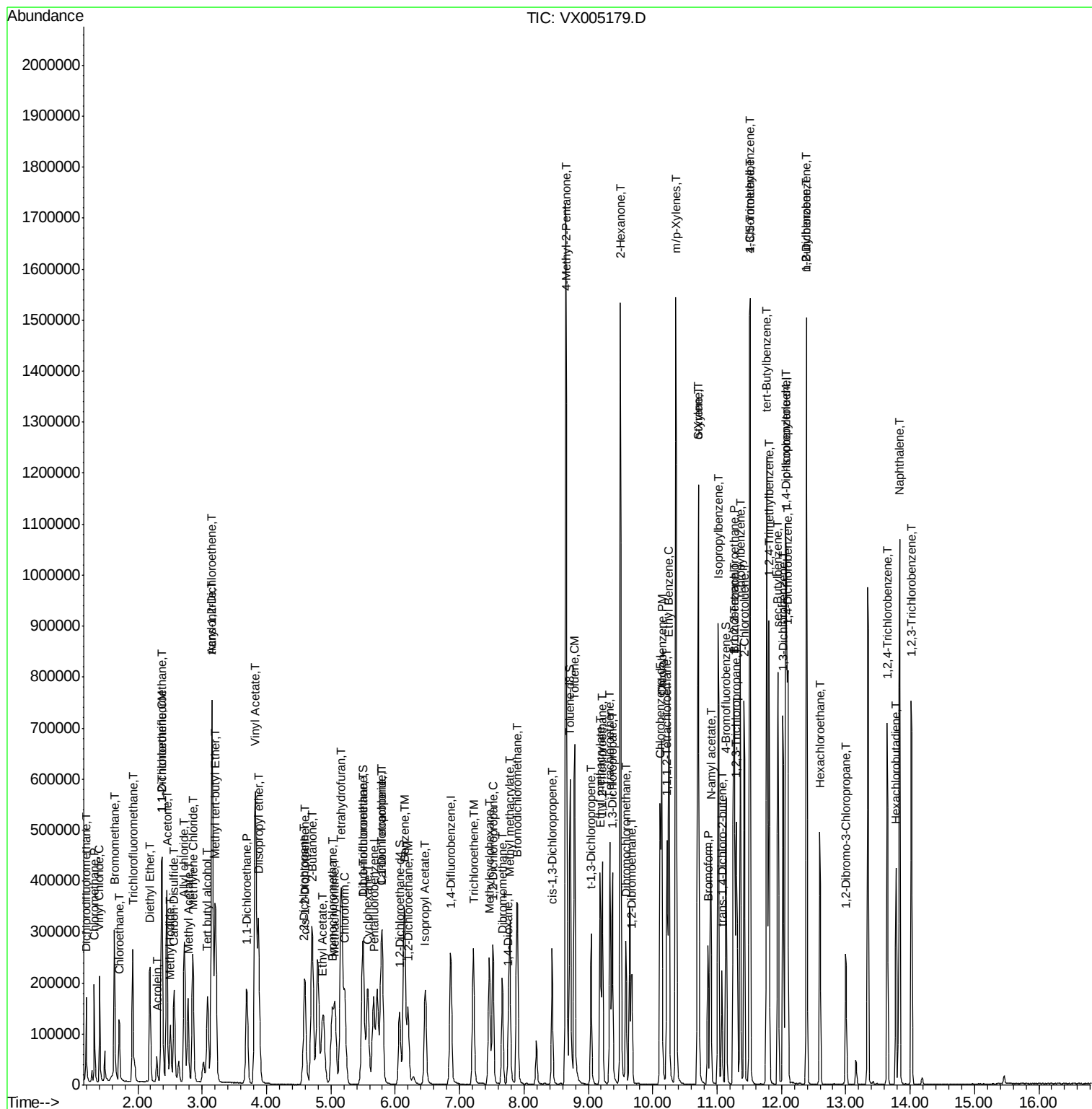
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 Data File : VX005179.D
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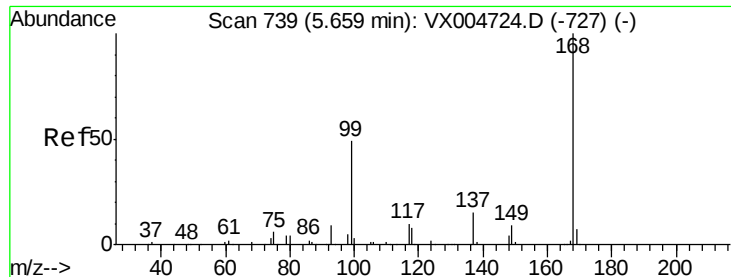
Instrument :
 MSVOA_X
 ClientSampleId :
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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005179.D

Acq: 10 Oct 2018 00:17

Instrument :

MSVOA_X

ClientSampleId :

SA-TW513-1014MSD

Tot Ion:168 Resp: 176610

Ion Ratio Lower Upper

168 100

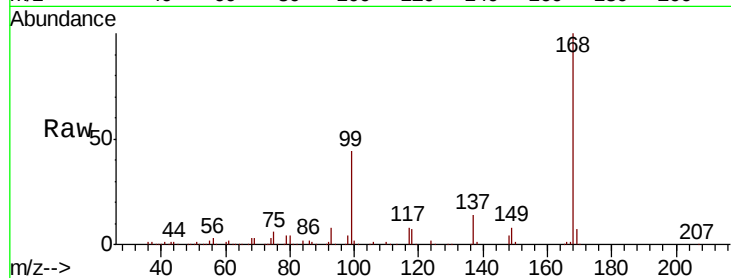
99 44.2 39.3 58.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

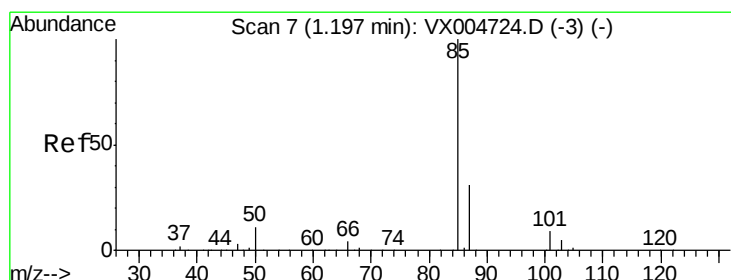
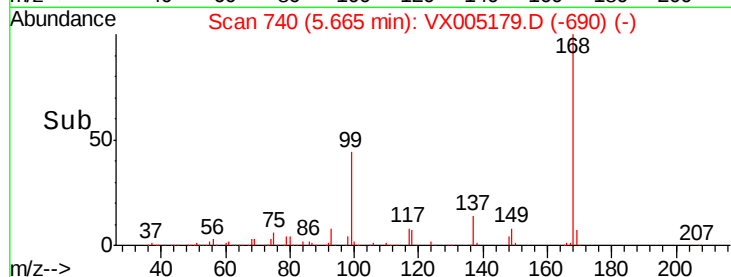
40000

20000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#2

Dichlorodifluoromethane

Concen: 43.221 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005179.D

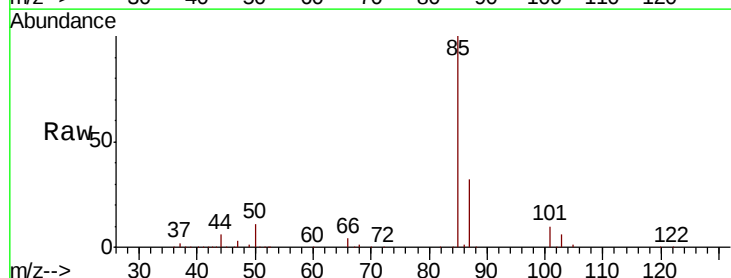
Acq: 10 Oct 2018 00:17

Tgt Ion: 85 Resp: 104077

Ion Ratio Lower Upper

85 100

87 32.0 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

60000

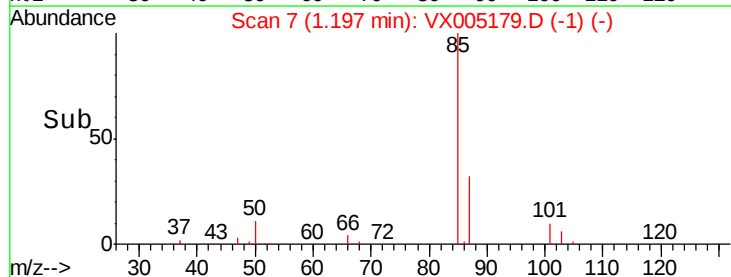
40000

20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 45.028 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005179.D

Acq: 10 Oct 2018 00:17

Instrument :

MSVOA_X

ClientSampleId :

SA-TW513-1014MSD

Tot Ion: 50 Resp: 131550

Ion Ratio Lower Upper

50 100

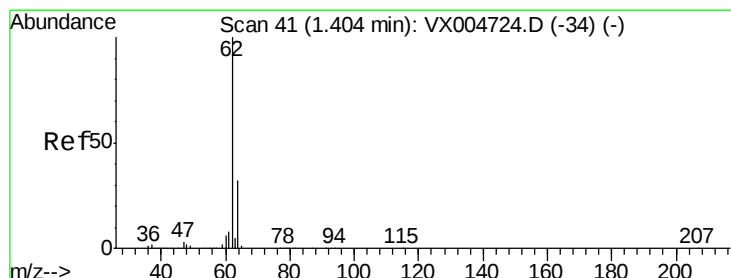
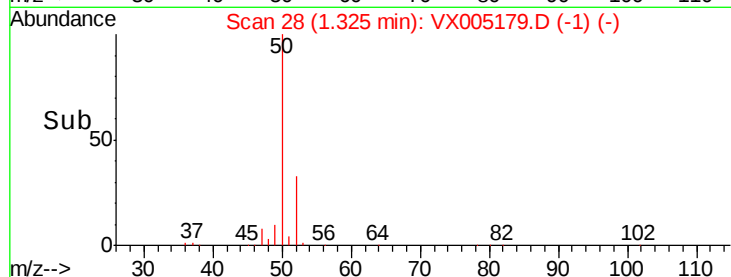
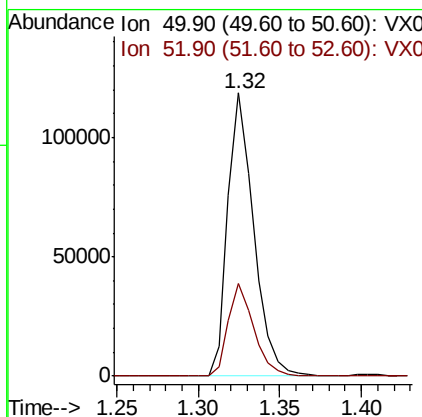
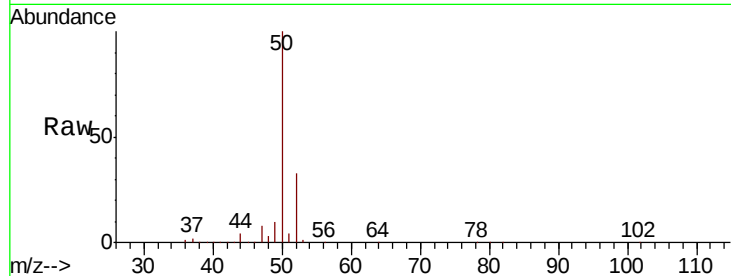
52 32.7 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.209 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005179.D

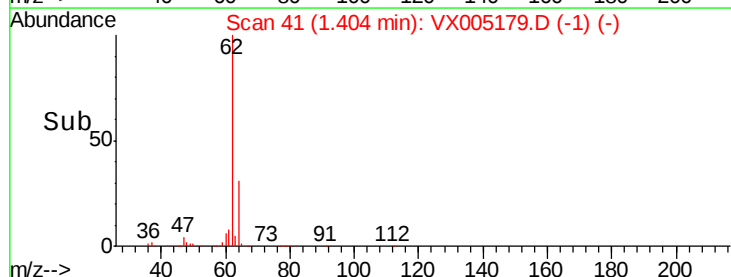
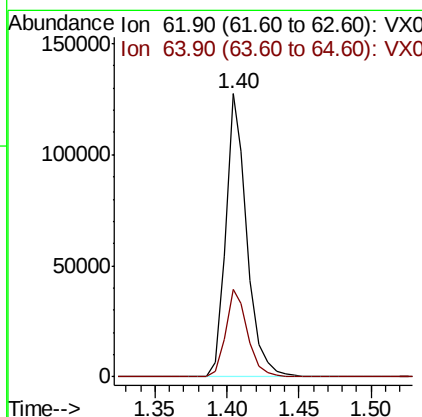
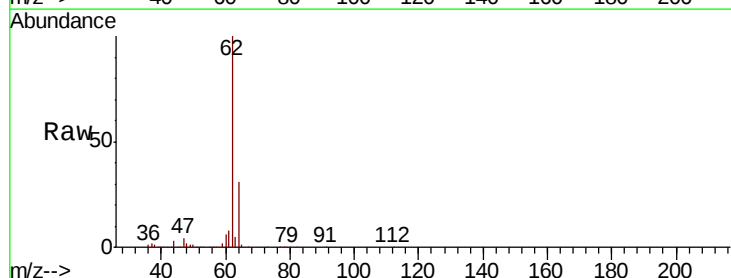
Acq: 10 Oct 2018 00:17

Tgt Ion: 62 Resp: 132098

Ion Ratio Lower Upper

62 100

64 30.9 25.5 38.3





#5

Bromomethane

Concen: 63.342 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005179.D

Acq: 10 Oct 2018 00:17

Instrument :

MSVOA_X

ClientSampleId :

SA-TW513-1014MSD

Tot Ion: 94 Resp: 102922

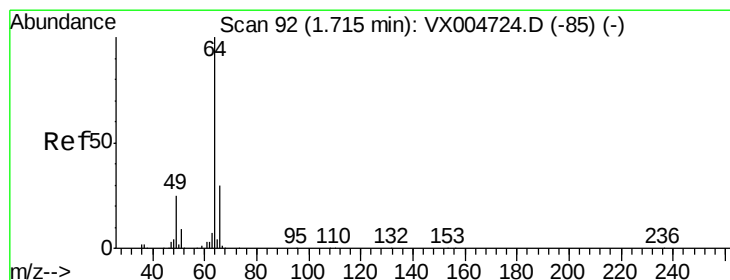
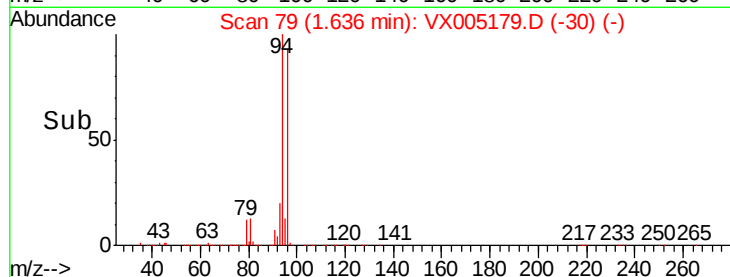
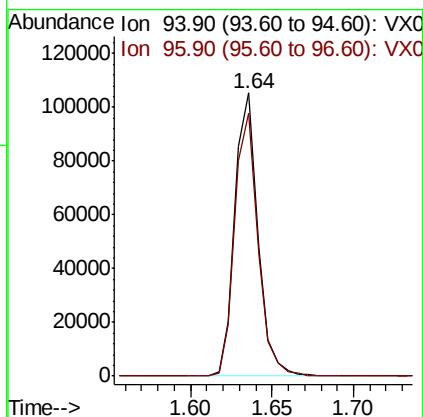
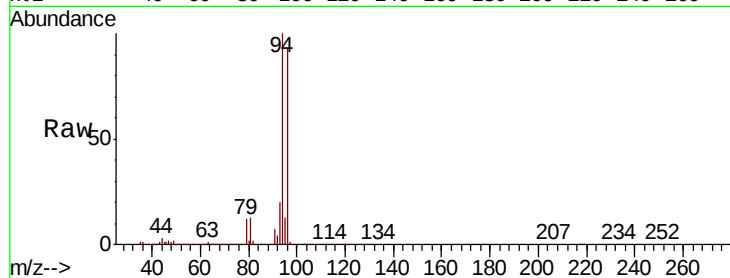
Ion Ratio Lower Upper

94 100

96 92.8 79.5 119.3

Manual Integrations
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10/10/2018 2:08:11 PM



#6

Chloroethane

Concen: 54.375 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX005179.D

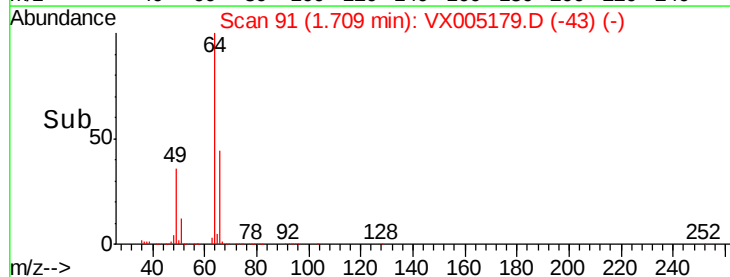
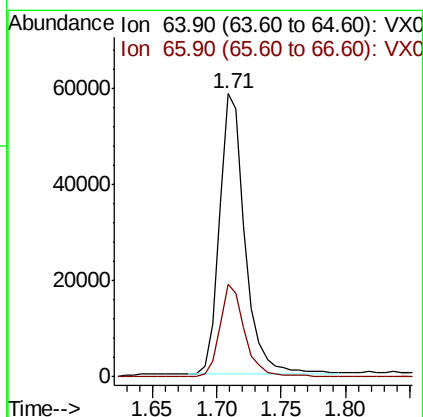
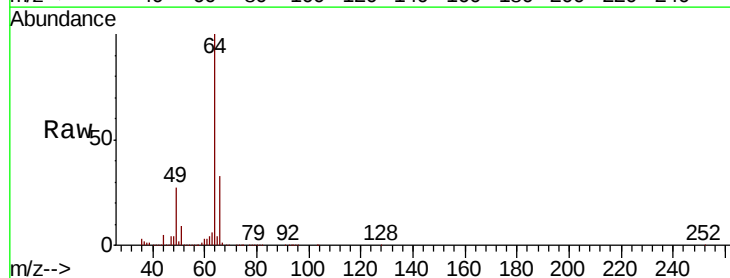
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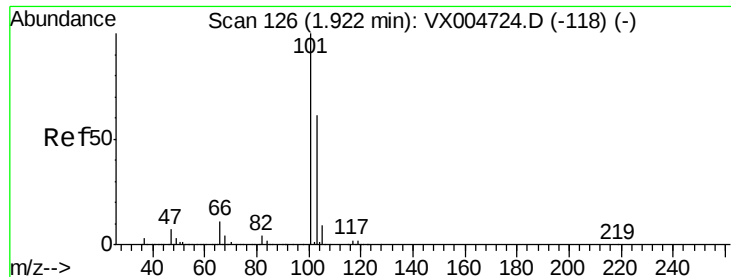
Tgt Ion: 64 Resp: 80893

Ion Ratio Lower Upper

64 100

66 32.9 23.8 35.6





#7

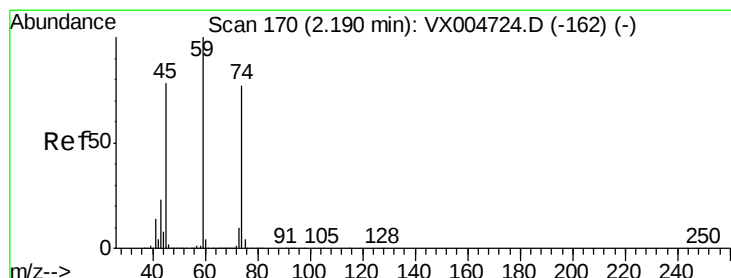
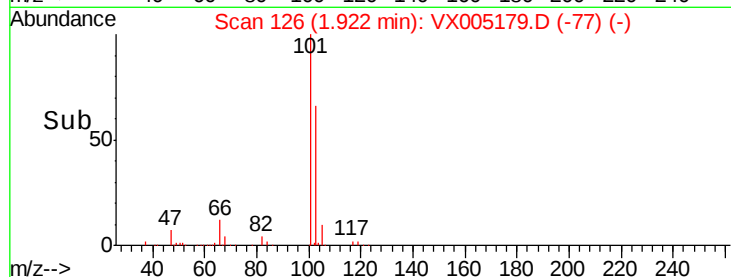
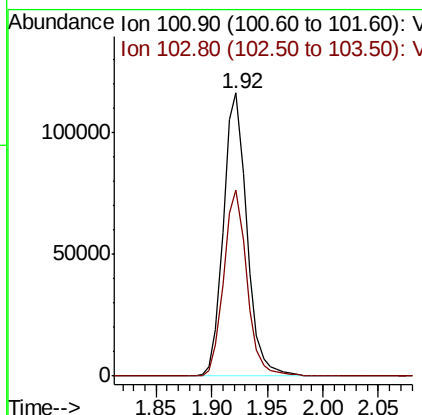
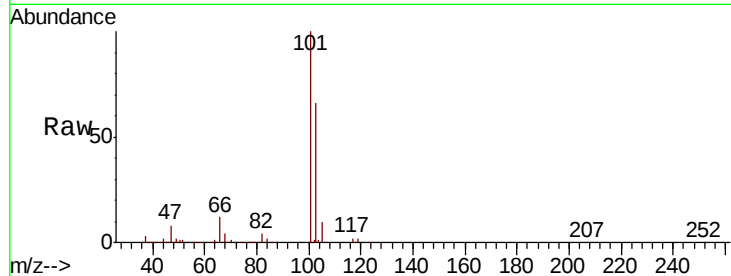
Trichlorofluoromethane
Concen: 50.275 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX005179.D
Acq: 10 Oct 2018 00:17

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	48.4	72.6

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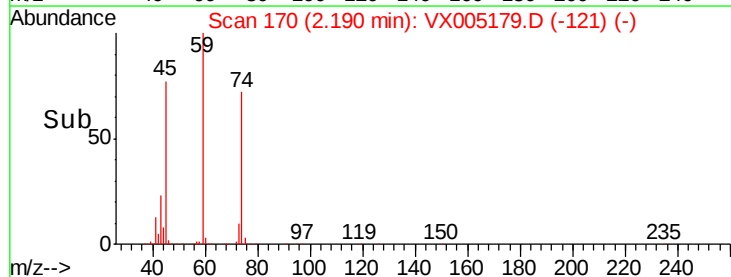
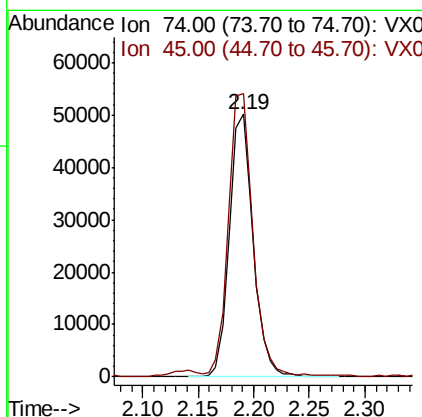
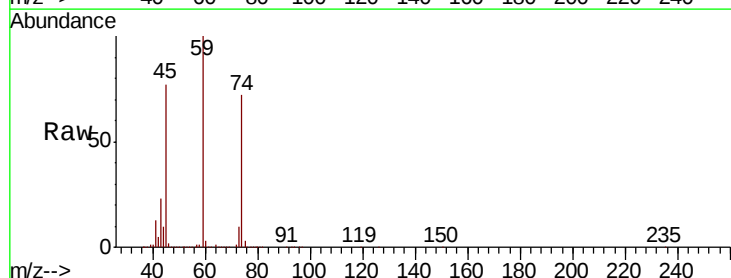
MMDadoda
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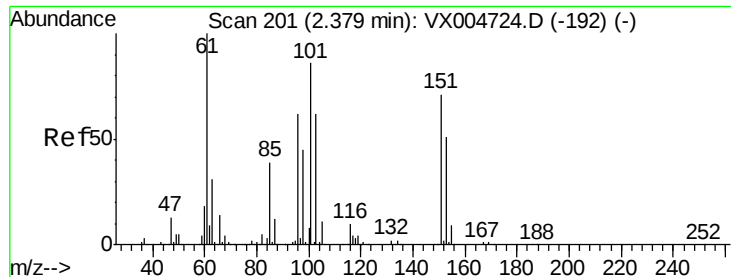


#8

Diethyl Ether
Concen: 50.419 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX005179.D
Acq: 10 Oct 2018 00:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.8	52.5	157.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.479 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX005179.D

Acq: 10 Oct 2018 00:17

Instrument :

MSVOA_X

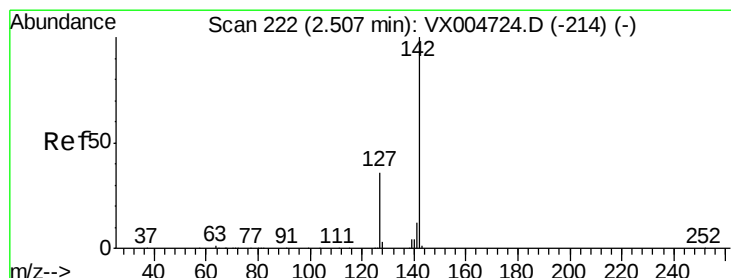
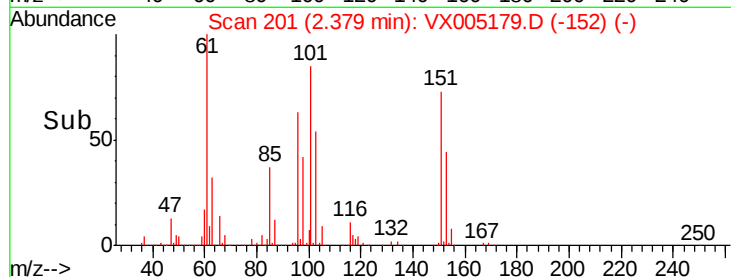
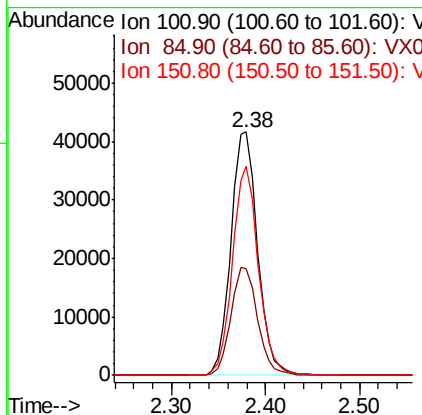
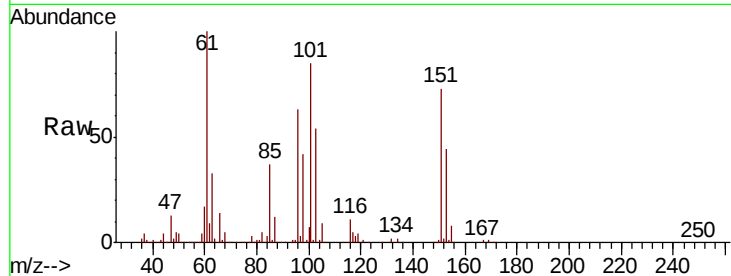
ClientSampleId :

SA-TW513-1014MSD

Tot Ion:	101	Resp:	82083
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.9	53.9
151	83.5	66.6	100.0

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#10

Methyl Iodide

Concen: 45.684 ug/l

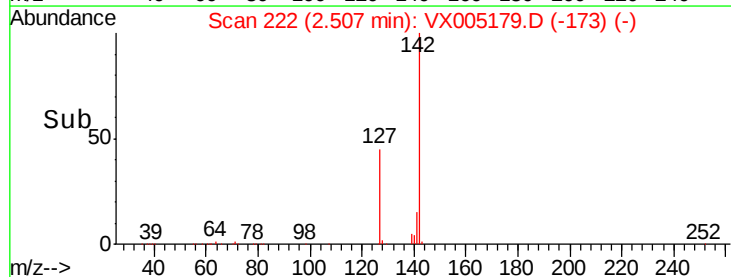
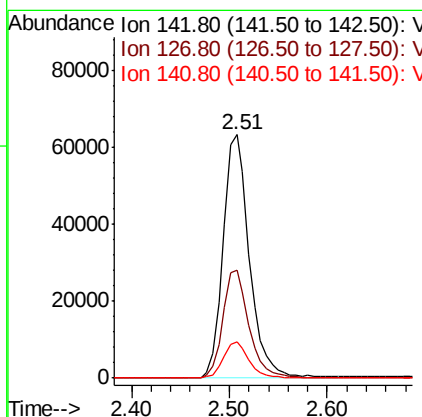
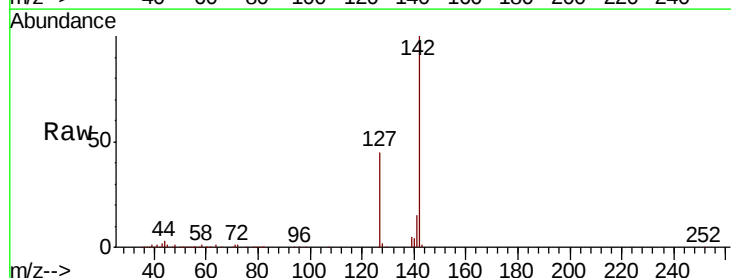
RT: 2.51 min Scan# 222

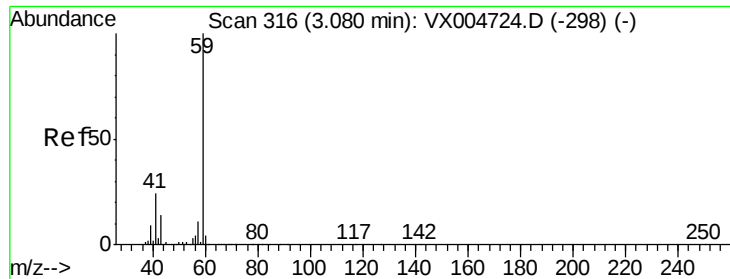
Delta R.T. 0.00 min

Lab File: VX005179.D

Acq: 10 Oct 2018 00:17

Tgt Ion:	142	Resp:	118126
Ion Ratio	Lower	Upper	
142	100		
127	44.1	30.1	45.1
141	14.4	10.1	15.1





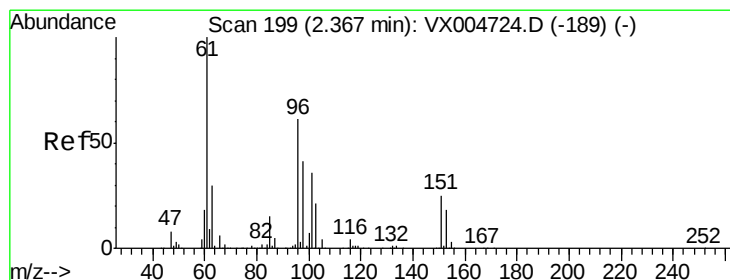
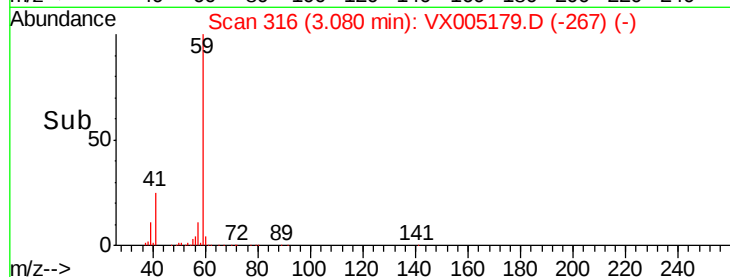
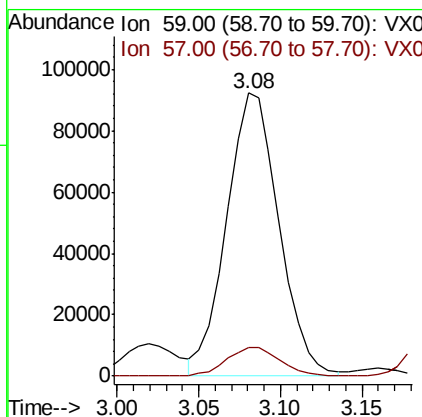
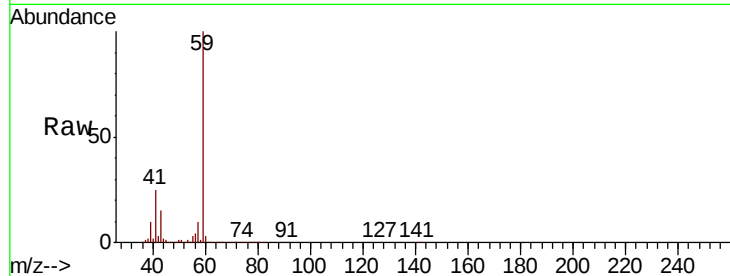
#11
Tert butyl alcohol
Concen: 291.726 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX005179.D
Acq: 10 Oct 2018 00:17

Instrument :
MSVOA_X
ClientSampleId :
SA-TW513-1014MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.6	12.8

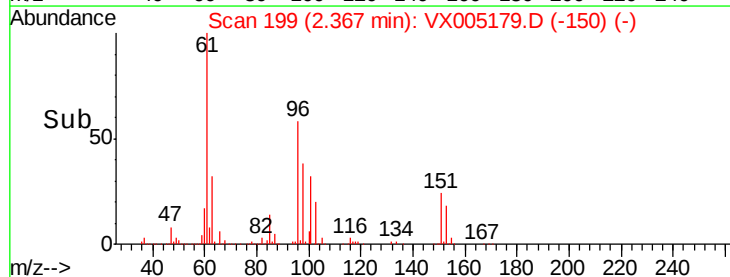
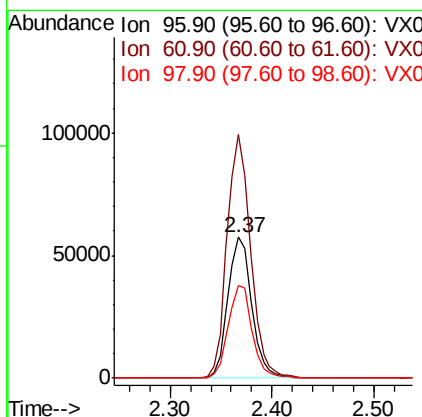
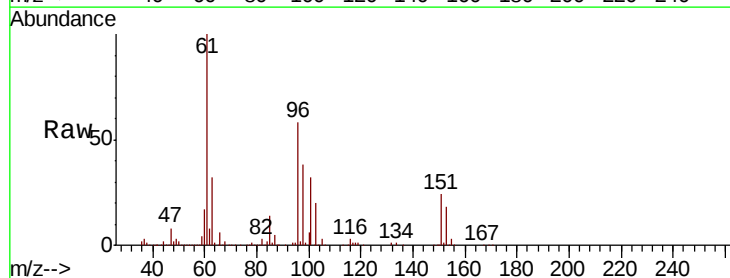
Manual Integrations
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#12
1,1-Dichloroethene
Concen: 48.539 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX005179.D
Acq: 10 Oct 2018 00:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.0	130.2	195.4
98	65.6	53.4	80.0





#13

Acrolein

Concen: 72.845 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005179.D

Acq: 10 Oct 2018 00:17

Instrument :

MSVOA_X

ClientSampleId :

SA-TW513-1014MSD

Tot Ion: 56 Resp: 36561

Ion Ratio Lower Upper

56 100

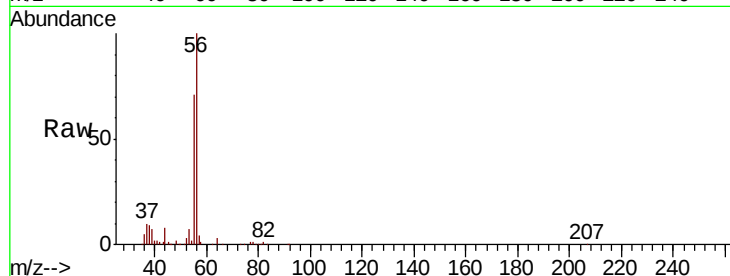
55 70.0 63.4 95.2

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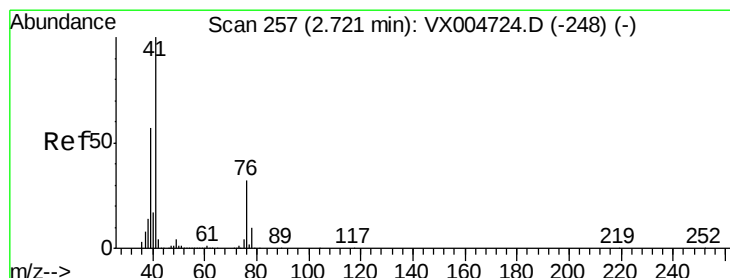
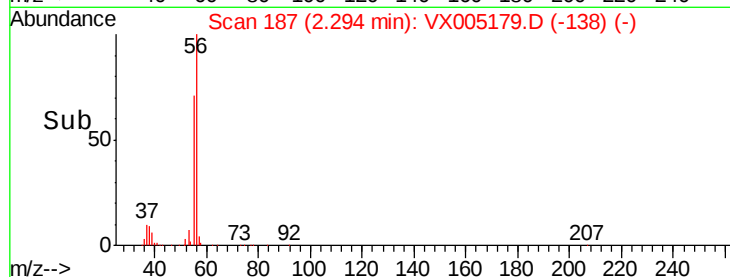
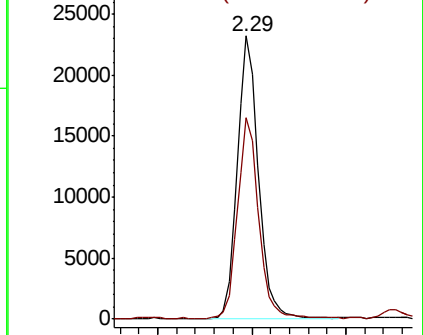
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 46.840 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX005179.D

Acq: 10 Oct 2018 00:17

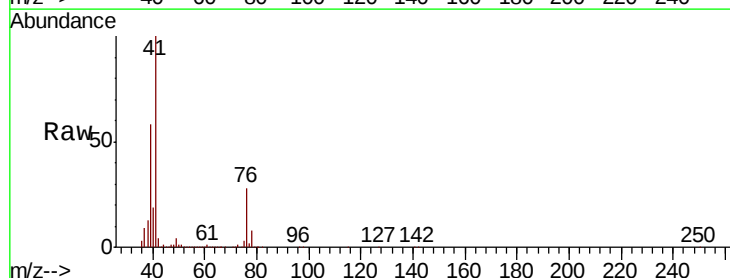
Tgt Ion: 41 Resp: 195573

Ion Ratio Lower Upper

41 100

39 56.6 44.1 66.1

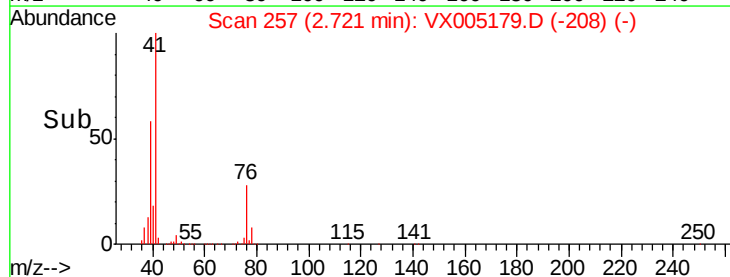
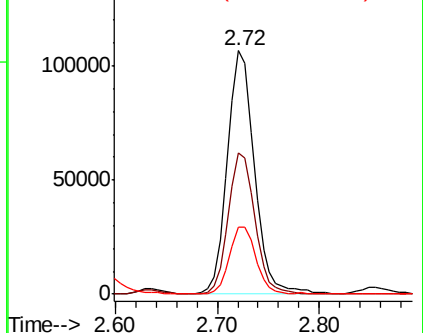
76 27.2 25.0 37.4



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 278.981 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX005179.D

Acq: 10 Oct 2018 00:17

Instrument :

MSVOA_X

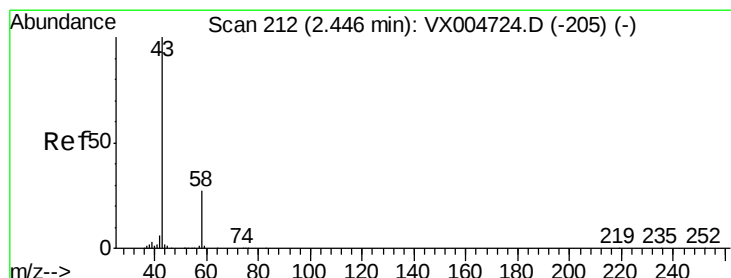
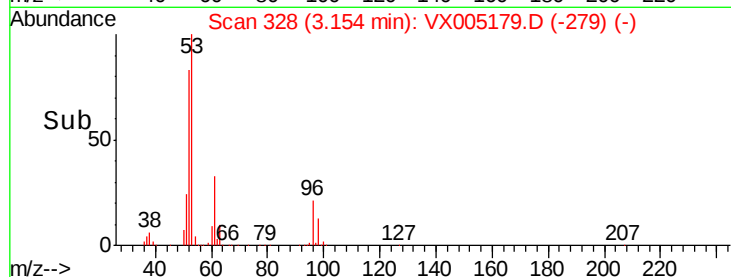
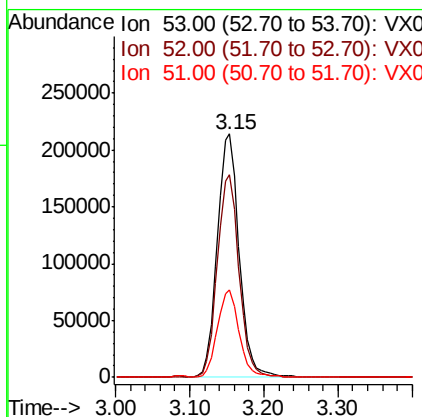
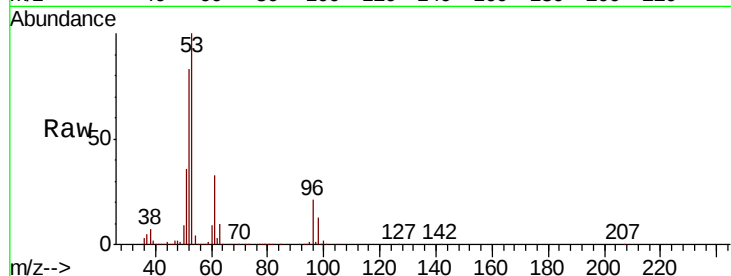
ClientSampleId :

SA-TW513-1014MSD

Tot Ion:	53	Resp:	433229
Ion	Ratio	Lower	Upper
53	100		
52	82.7	63.0	94.4
51	36.2	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 275.343 ug/l

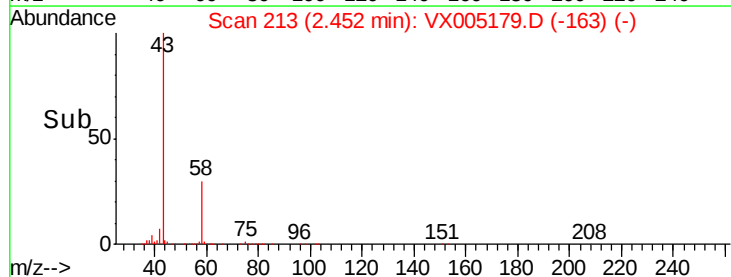
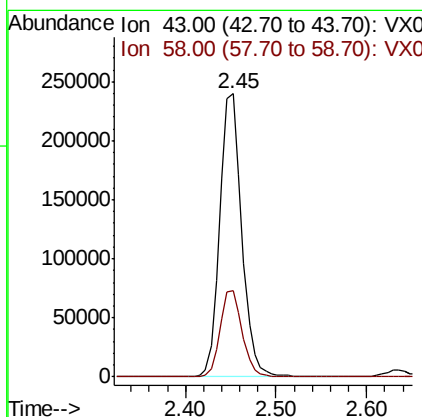
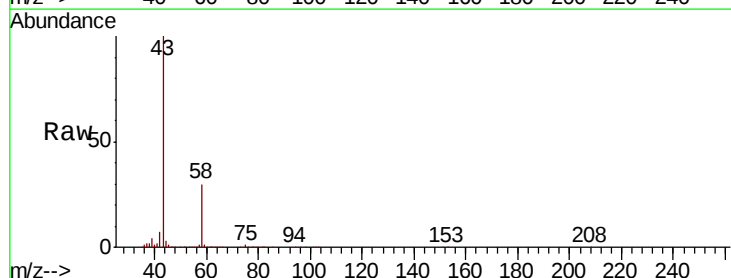
RT: 2.45 min Scan# 213

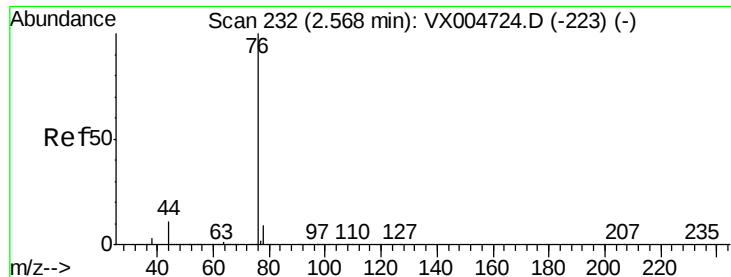
Delta R.T. 0.01 min

Lab File: VX005179.D

Acq: 10 Oct 2018 00:17

Tgt Ion:	43	Resp:	405554
Ion	Ratio	Lower	Upper
43	100		
58	30.3	21.8	32.6





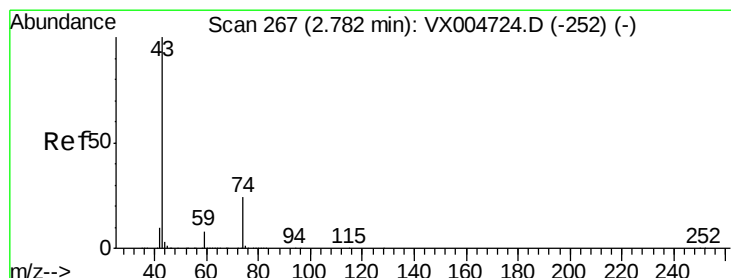
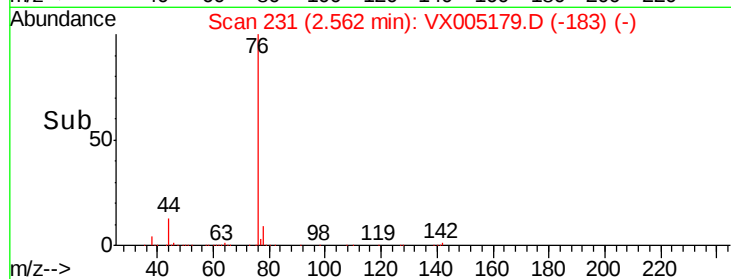
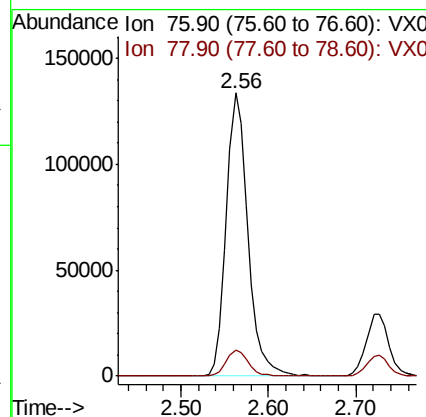
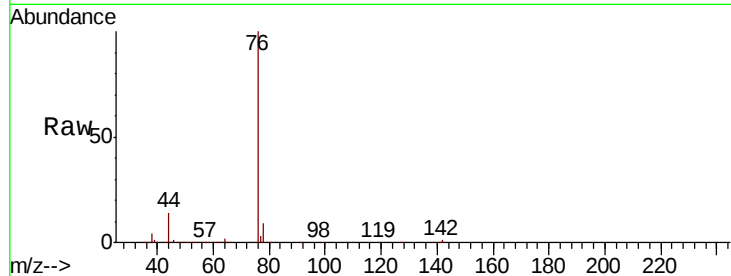
#17
Carbon Disulfide
Concen: 39.870 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX005179.D
Acq: 10 Oct 2018 00:17

Instrument :
MSVOA_X
ClientSampleId :
SA-TW513-1014MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.6

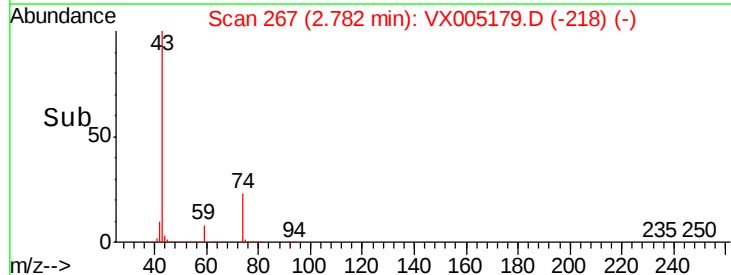
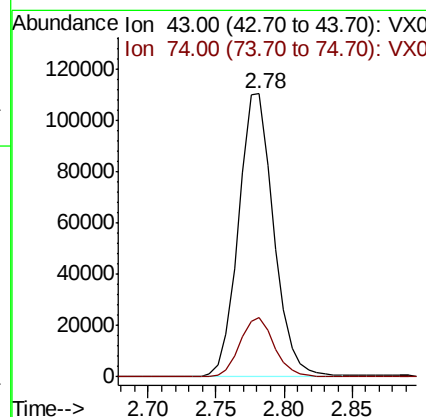
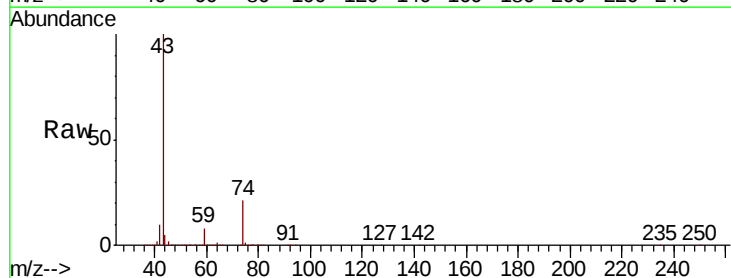
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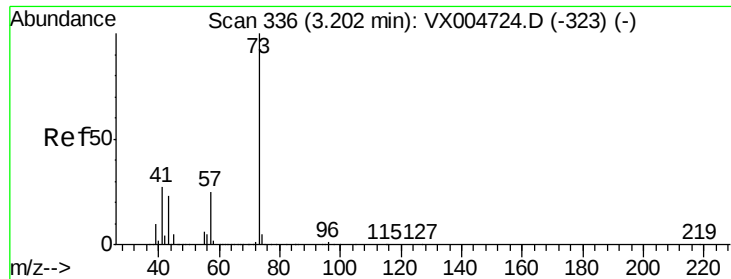
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#18
Methyl Acetate
Concen: 53.160 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX005179.D
Acq: 10 Oct 2018 00:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.4	17.8	26.8





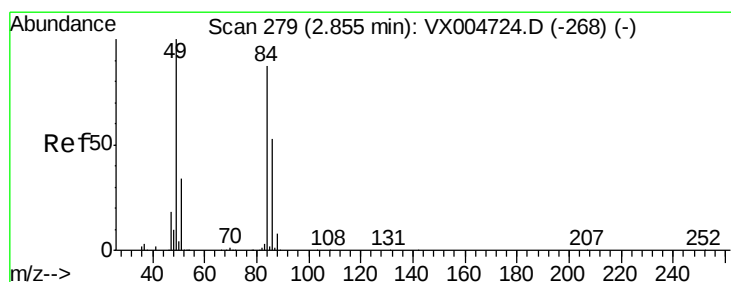
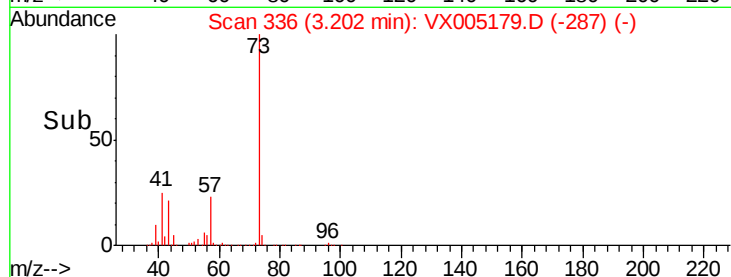
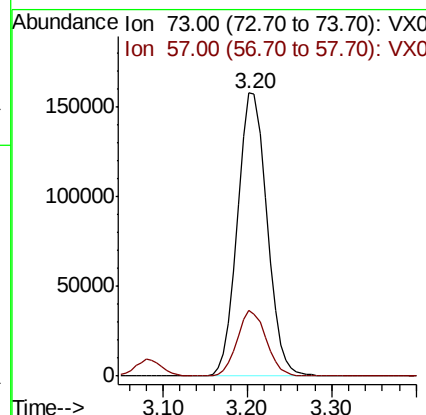
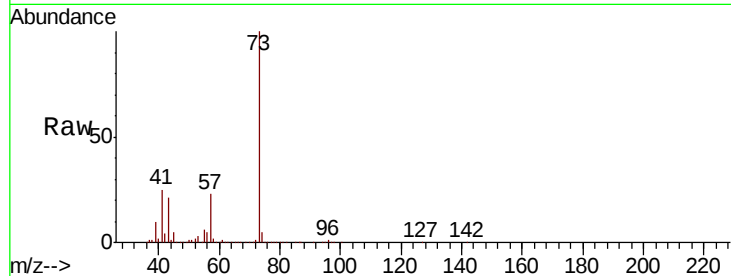
#19
Methvl tert-butvl Ether
Concen: 56.760 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX005179.D
Acq: 10 Oct 2018 00:17

Instrument :
MSVOA_X
ClientSampleId :
SA-TW513-1014MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.3	19.9	29.9

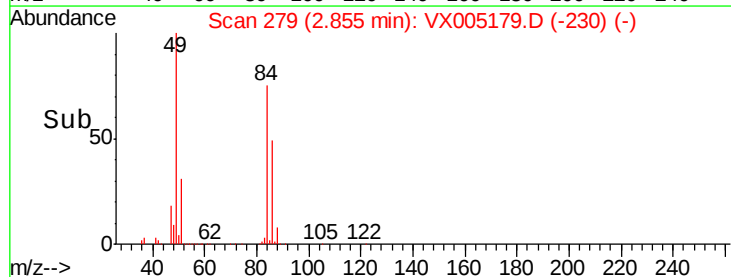
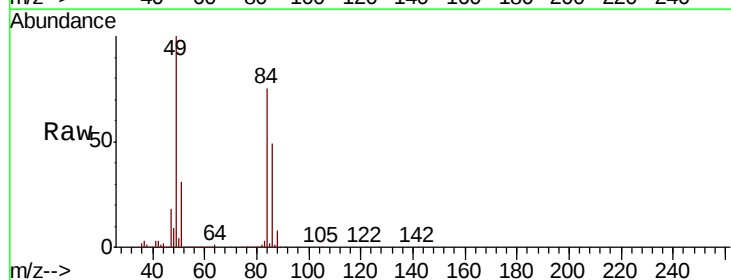
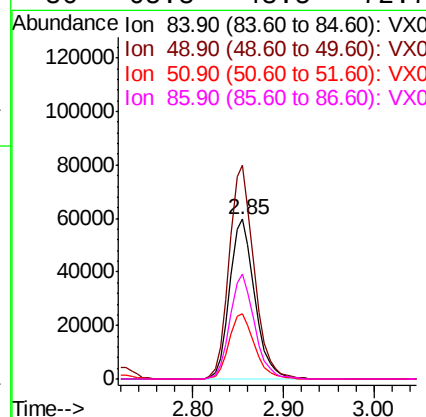
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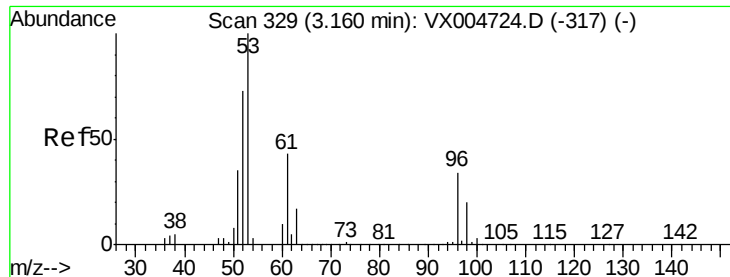
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#20
Methylene Chloride
Concen: 53.668 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005179.D
Acq: 10 Oct 2018 00:17

Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.0	92.3	138.5
51	40.9	31.8	47.6
86	65.8	48.5	72.7





#21

trans-1,2-Dichloroethene

Concen: 46.408 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX005179.D

Acq: 10 Oct 2018 00:17

Instrument :

MSVOA_X

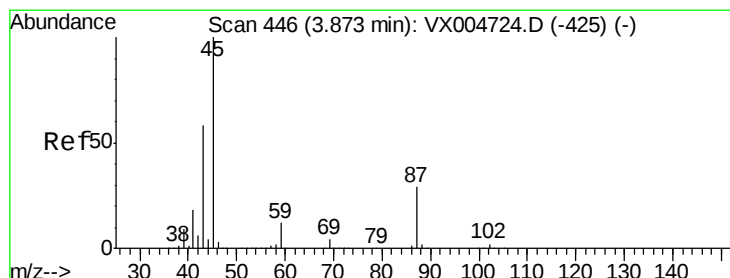
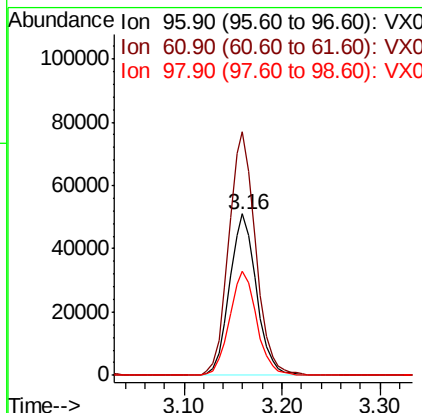
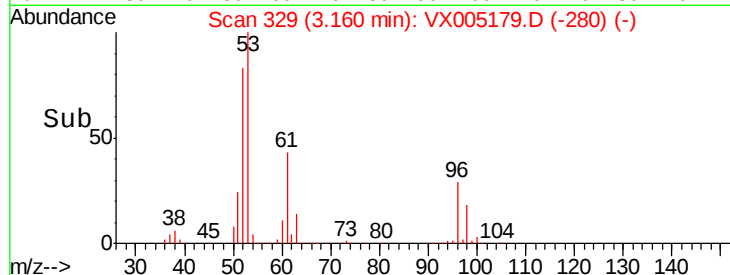
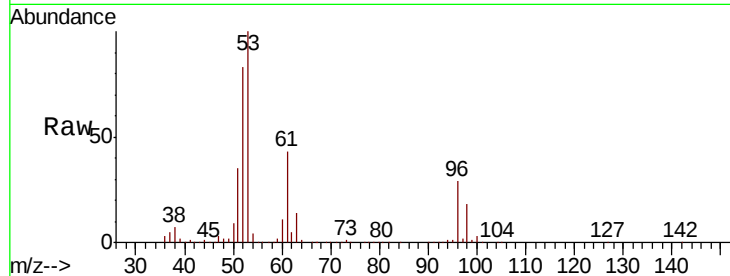
ClientSampleId :

SA-TW513-1014MSD

Tot Ion:	96	Resp:	97217
Ion	Ratio	Lower	Upper
96	100		
61	150.8	101.0	151.6
98	64.3	47.2	70.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.221 ug/l

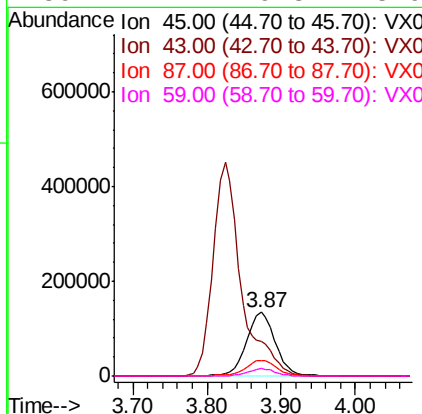
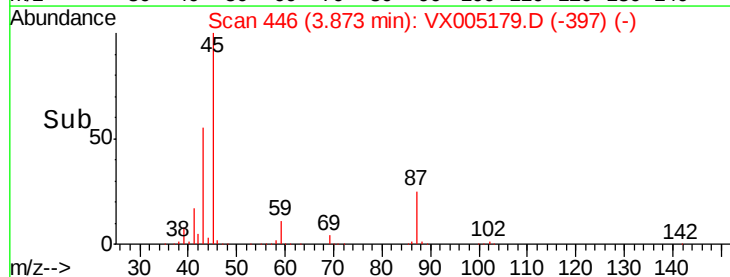
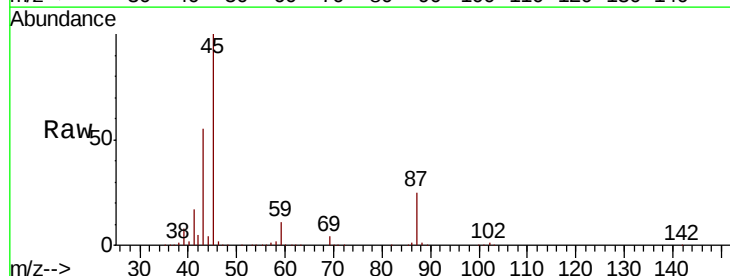
RT: 3.87 min Scan# 446

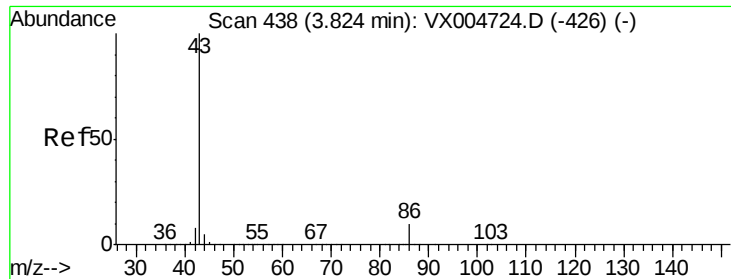
Delta R.T. 0.00 min

Lab File: VX005179.D

Acq: 10 Oct 2018 00:17

Tgt Ion:	45	Resp:	367165
Ion	Ratio	Lower	Upper
45	100		
43	54.1	46.7	70.1
87	25.0	22.9	34.3
59	11.1	9.3	13.9





#23

Vinyl Acetate

Concen: 185.137 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX005179.D

Acq: 10 Oct 2018 00:17

Instrument :

MSVOA_X

ClientSampleId :

SA-TW513-1014MSD

Tot Ion: 43 Resp: 1191514

Ion Ratio Lower Upper

43 100

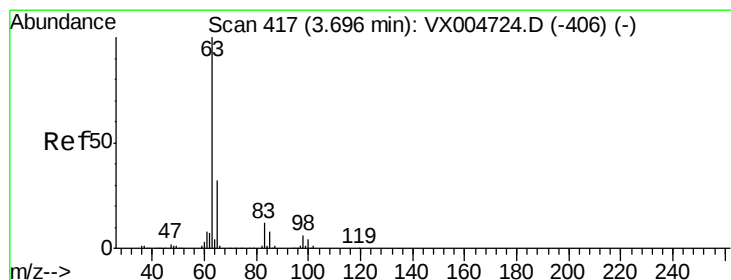
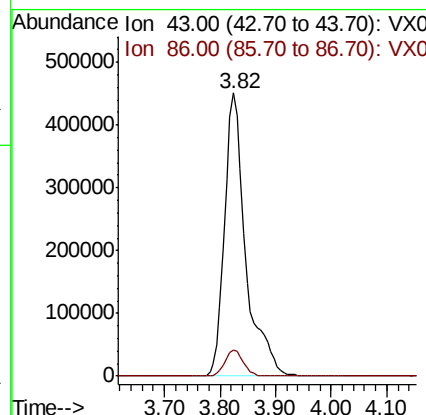
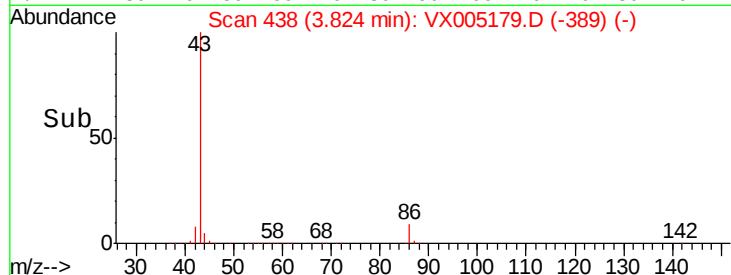
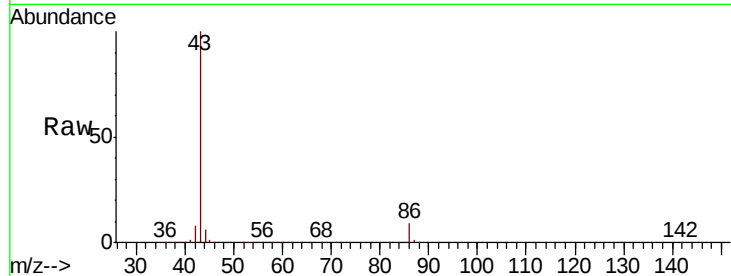
86 9.4 8.1 12.1

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#24

1,1-Dichloroethane

Concen: 51.620 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX005179.D

Acq: 10 Oct 2018 00:17

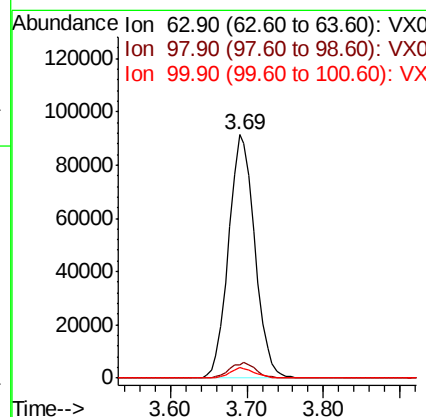
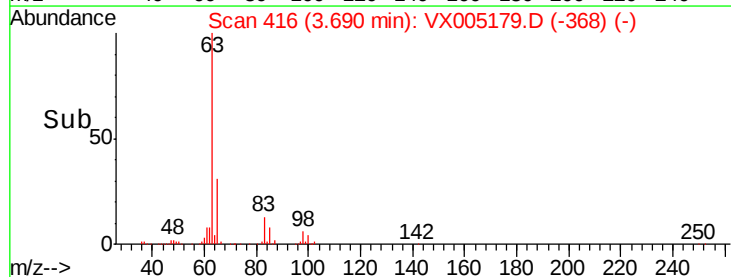
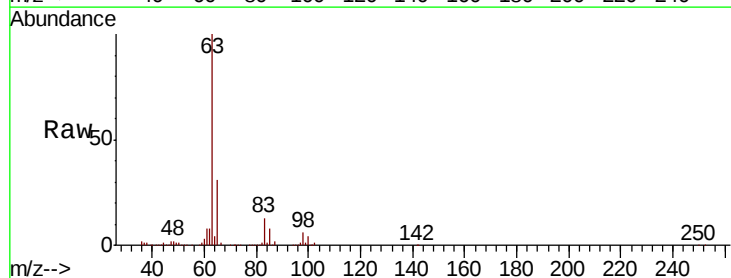
Tgt Ion: 63 Resp: 216496

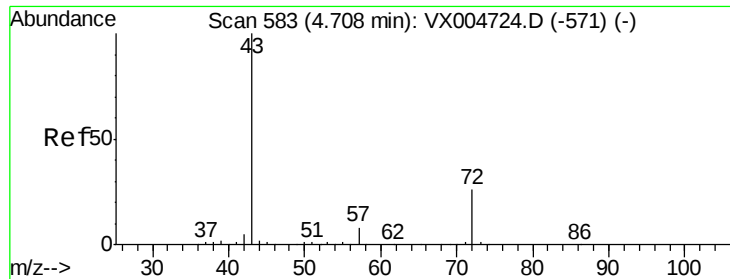
Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.2

100 4.2 2.0 5.8





#25

2-Butanone

Concen: 261.203 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.00 min

Lab File: VX005179.D

Acq: 10 Oct 2018 00:17

Instrument :

MSVOA_X

ClientSampleId :

SA-TW513-1014MSD

Tot Ion: 43 Resp: 567100

Ion Ratio Lower Upper

43 100

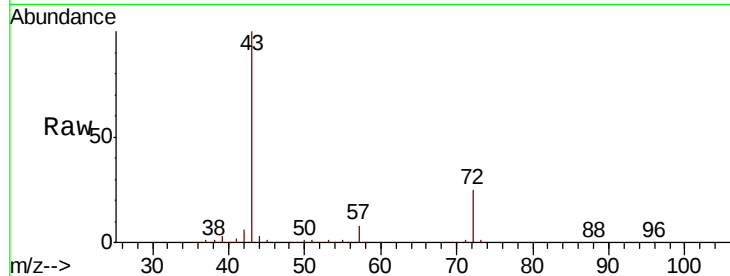
72 24.7 20.8 31.2

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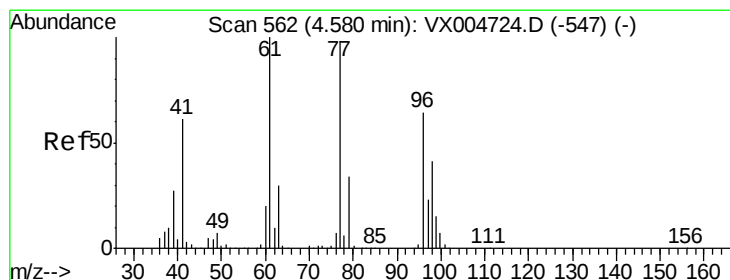
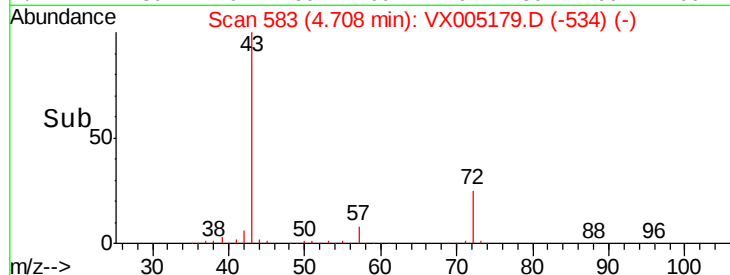
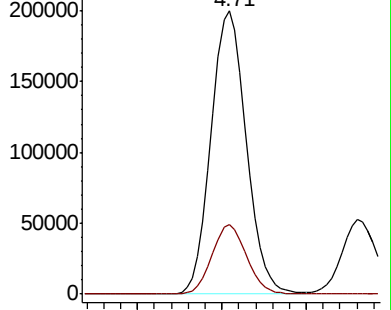
MMDadoda

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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: 15.251 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX005179.D

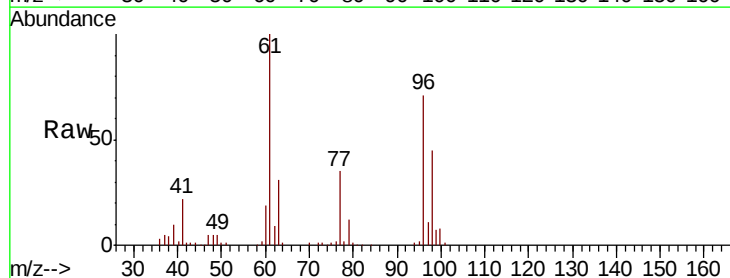
Acq: 10 Oct 2018 00:17

Tgt Ion: 77 Resp: 44541

Ion Ratio Lower Upper

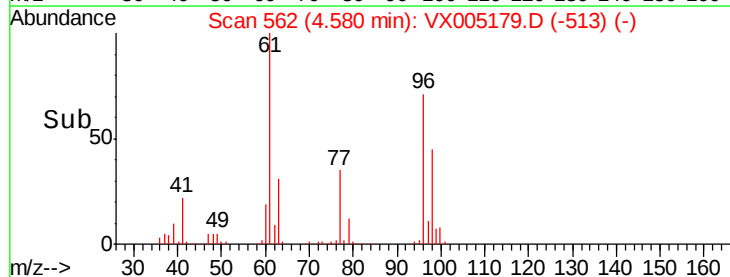
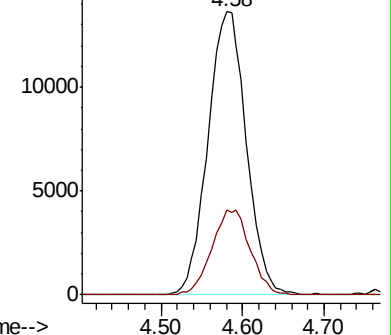
77 100

97 29.9 12.6 37.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

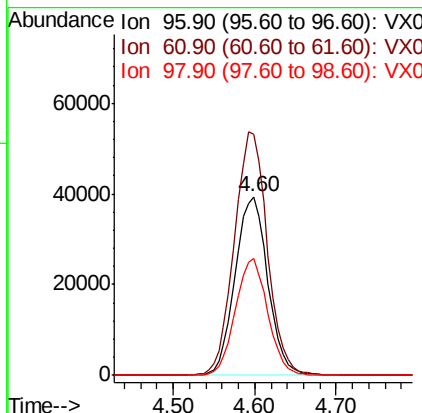
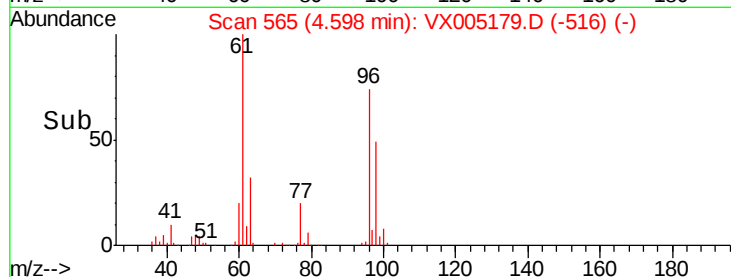
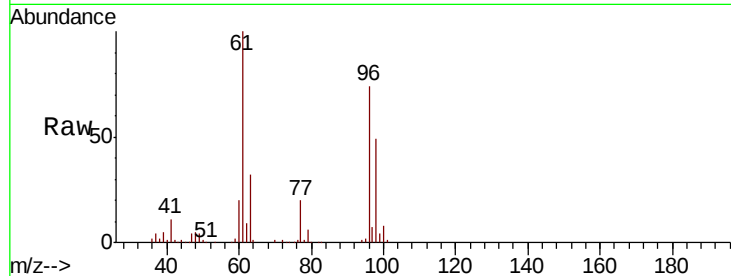
cis-1,2-Dichloroethene
Concen: 46.784 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX005179.D
Acq: 10 Oct 2018 00:17

Instrument :
MSVOA_X
ClientSampleId :
SA-TW513-1014MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	109482		
61	137.9	0.0	285.8	
98	64.7	0.0	136.2	

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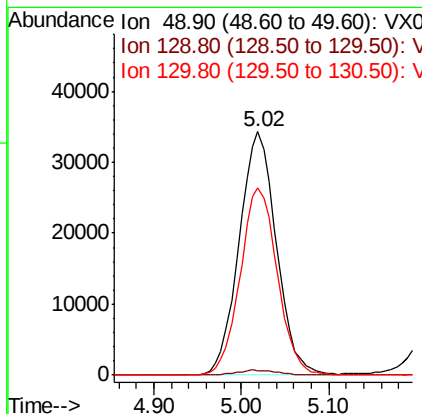
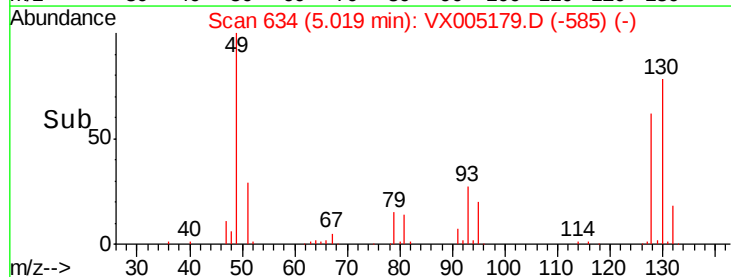
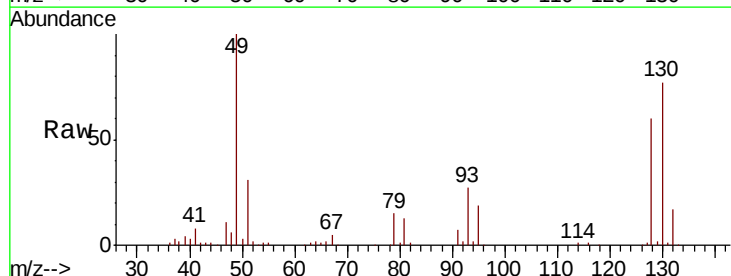
MMDadoda
10/10/2018 2:08:11 PM



#28

Bromochloromethane
Concen: 51.486 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX005179.D
Acq: 10 Oct 2018 00:17

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	101687		
129	2.1	0.0	4.2	
130	76.6	62.0	93.0	





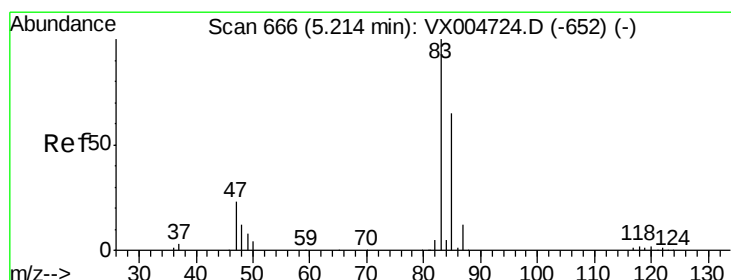
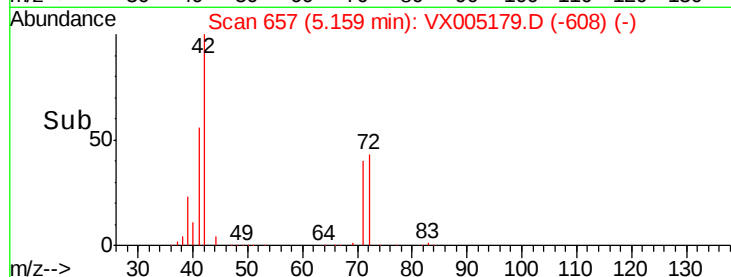
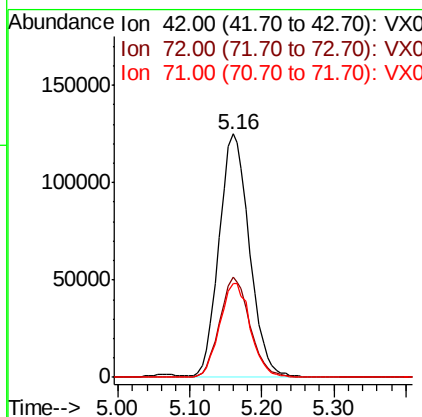
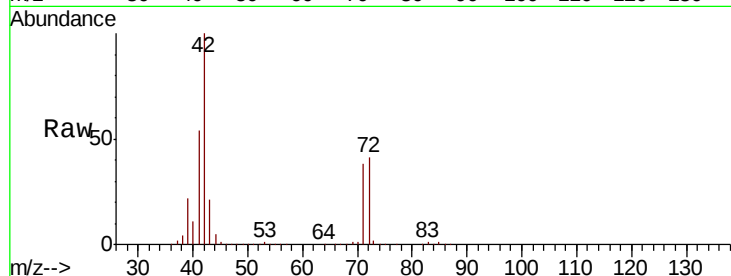
#29
Tetrahydrofuran
Concen: 271.026 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.00 min
Lab File: VX005179.D
Acq: 10 Oct 2018 00:17

Instrument :
MSVOA_X
ClientSampleId :
SA-TW513-1014MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.3	33.7	50.5
71	39.1	32.2	48.4

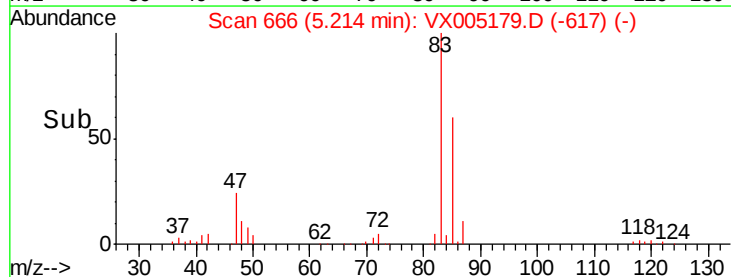
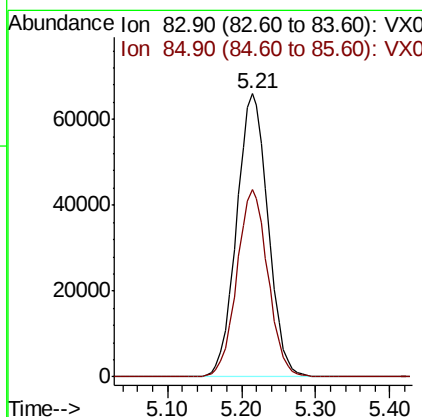
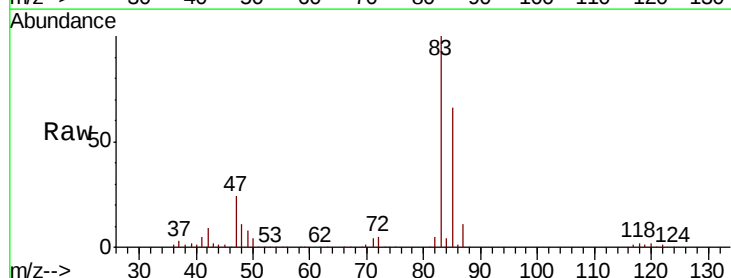
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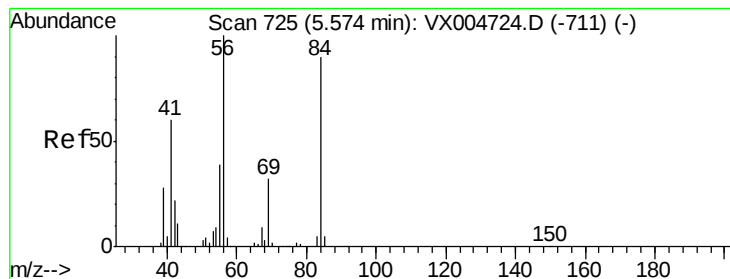
MMDadoda
10/10/2018 2:08:11 PM



#30
Chloroform
Concen: 49.339 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX005179.D
Acq: 10 Oct 2018 00:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.4	78.6





#31

Cyclohexane

Concen: 39.787 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX005179.D

Acq: 10 Oct 2018 00:17

Instrument :

MSVOA_X

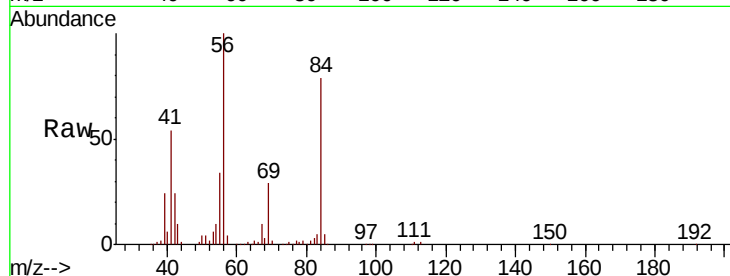
ClientSampleId :

SA-TW513-1014MSD

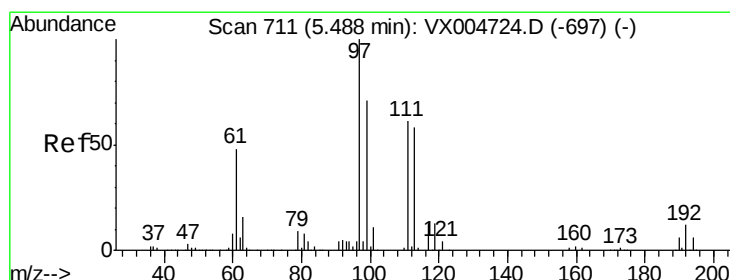
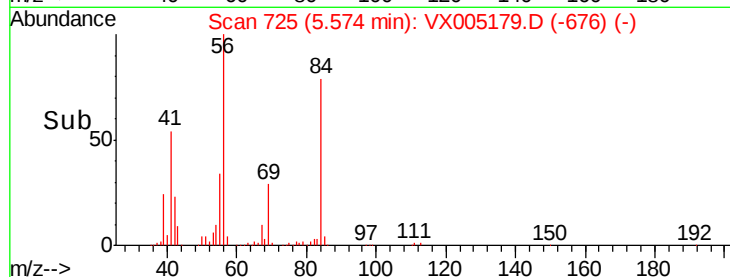
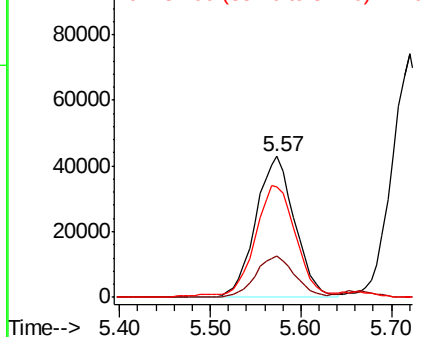
Tot Ion:	56	Resp:	127718
Ion	Ratio	Lower	Upper
56	100		
69	29.0	25.9	38.9
84	77.1	71.9	107.9

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



#32

1,1,1-Trichloroethane

Concen: 50.145 ug/l

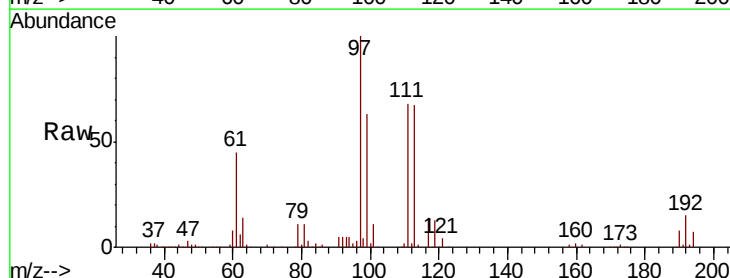
RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

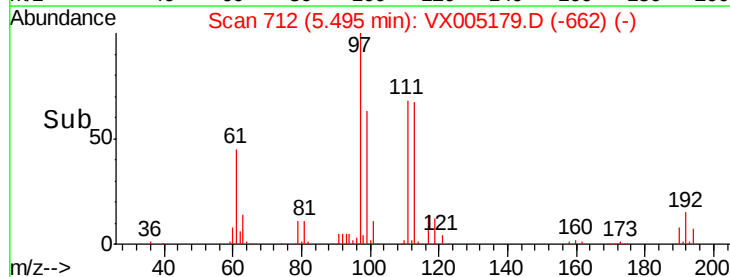
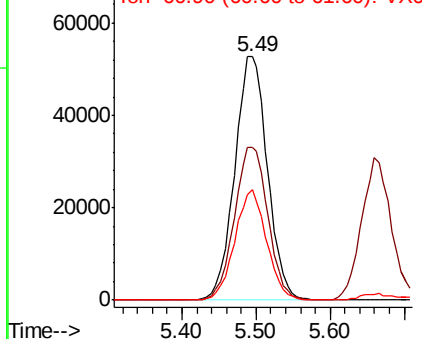
Lab File: VX005179.D

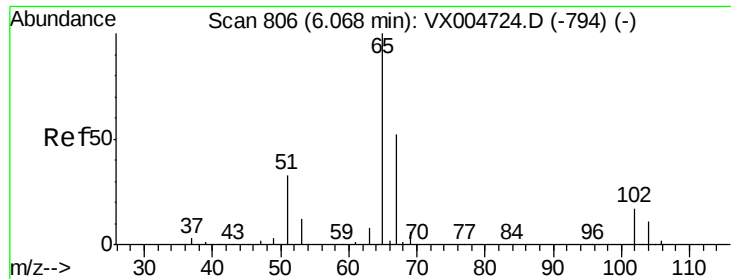
Acq: 10 Oct 2018 00:17

Tgt Ion:	97	Resp:	162328
Ion	Ratio	Lower	Upper
97	100		
99	64.4	54.6	82.0
61	44.2	37.5	56.3



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





#33

1,2-Dichloroethane-d4

Concen: 55.079 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX005179.D

Acq: 10 Oct 2018 00:17

Instrument :

MSVOA_X

ClientSampleId :

SA-TW513-1014MSD

Tot Ion: 65 Resp: 138957

Ion Ratio Lower Upper

65 100

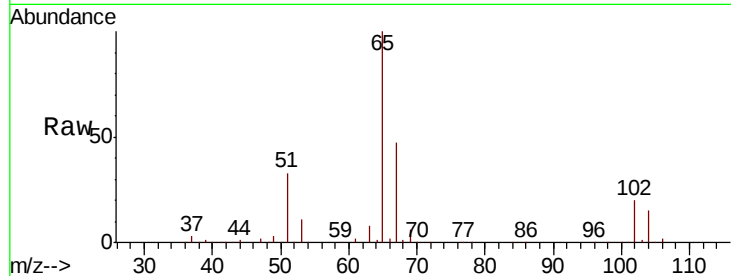
67 52.1 0.0 107.4

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

60000

50000

40000

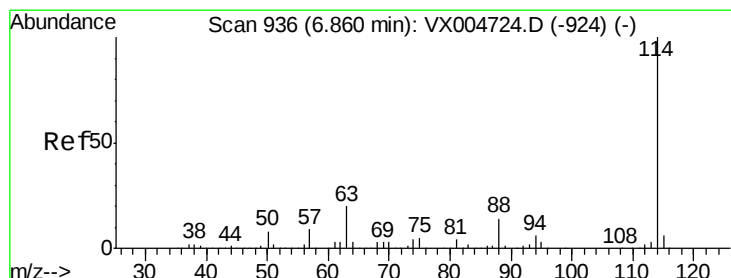
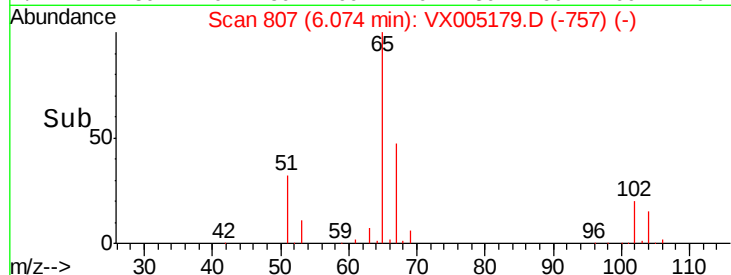
30000

20000

10000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX005179.D

Acq: 10 Oct 2018 00:17

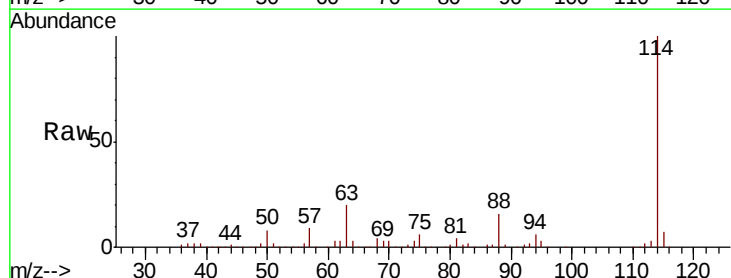
Tgt Ion: 114 Resp: 266684

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.8

88 15.8 0.0 27.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

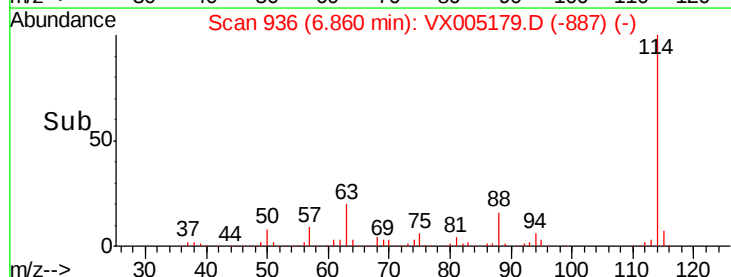
150000

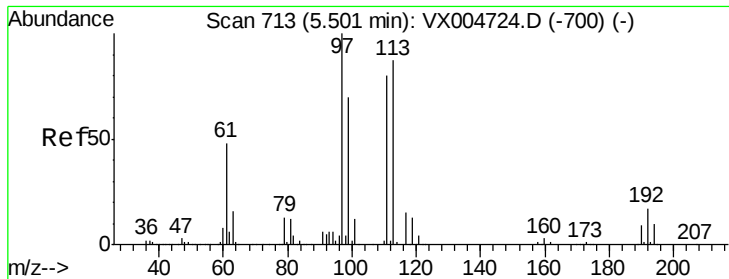
100000

50000

0

Time-->





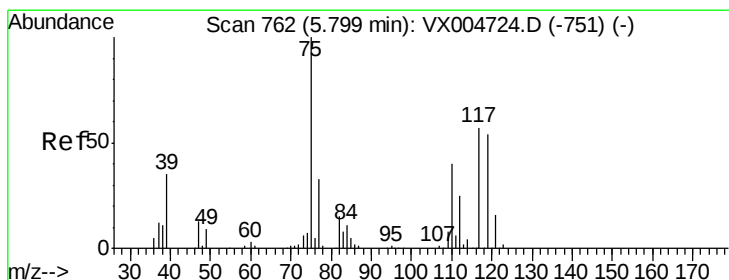
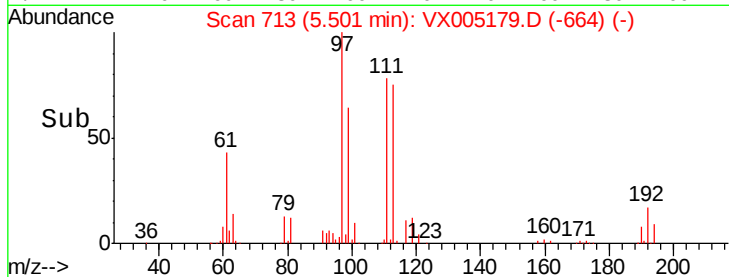
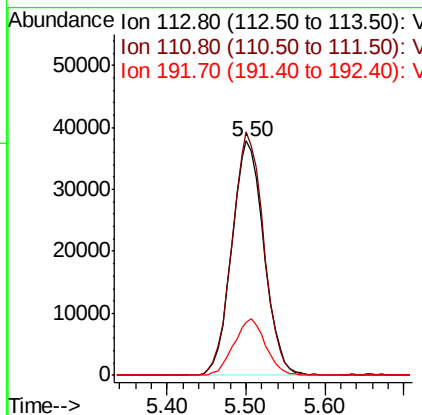
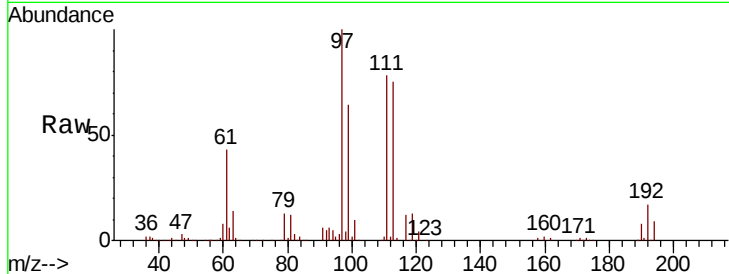
#35
Dibromofluoromethane
Concen: 47.396 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX005179.D
Acq: 10 Oct 2018 00:17

Instrument :
MSVOA_X
ClientSampleId :
SA-TW513-1014MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	107123		
111	102.3	77.0	115.4	
192	23.7	17.0	25.6	

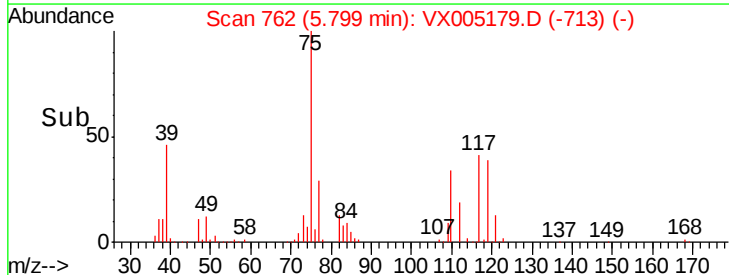
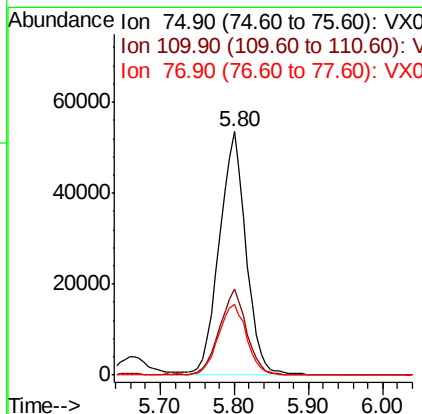
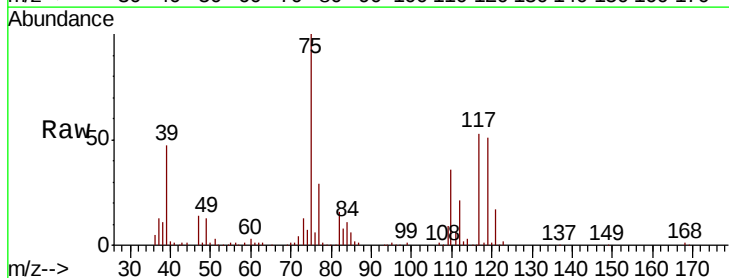
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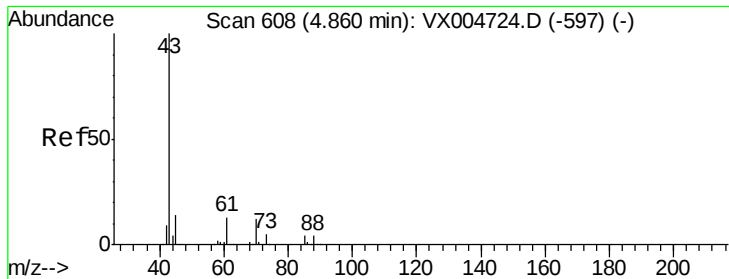
MMDadoda
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#36
1,1-Dichloropropene
Concen: 42.852 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX005179.D
Acq: 10 Oct 2018 00:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	132145		
110	36.1	20.0	59.9	
77	30.9	27.1	40.7	





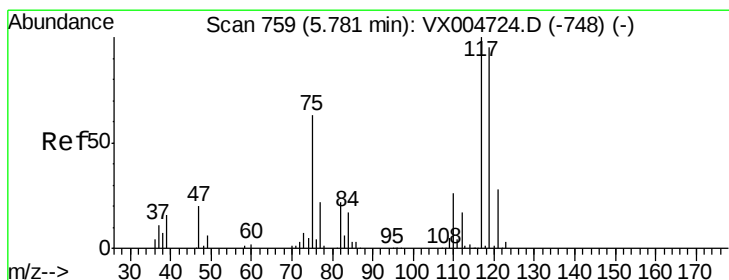
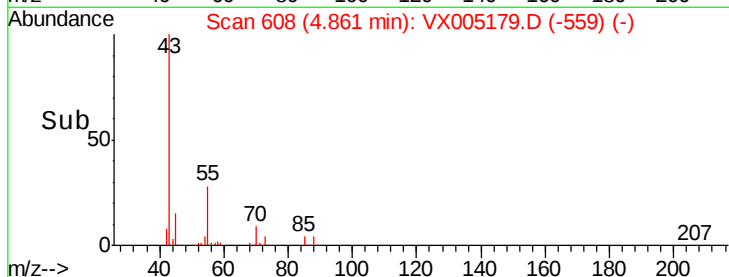
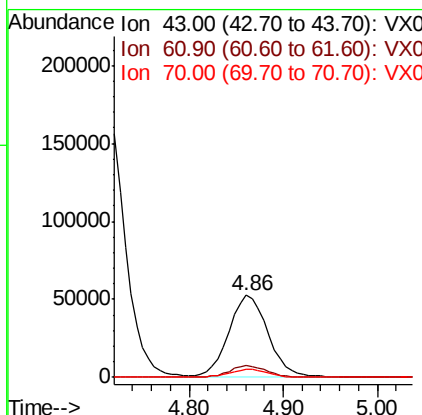
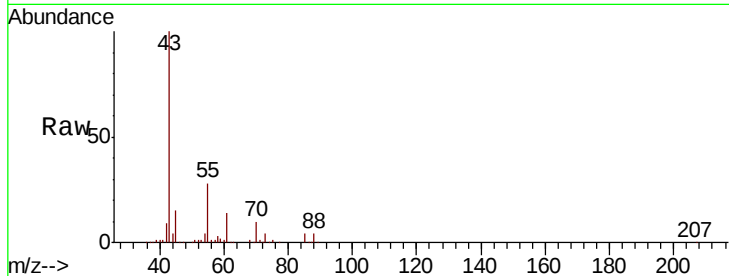
#37
Ethyl Acetate
Concen: 37.281 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX005179.D
Acq: 10 Oct 2018 00:17

Instrument :
MSVOA_X
ClientSampleId :
SA-TW513-1014MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.4	15.6
70	9.8	8.7	13.1

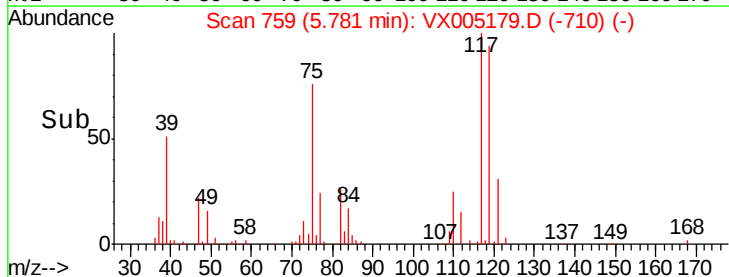
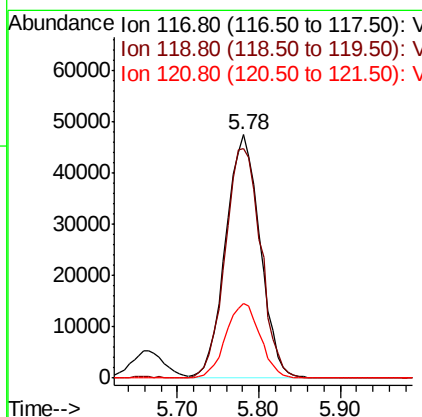
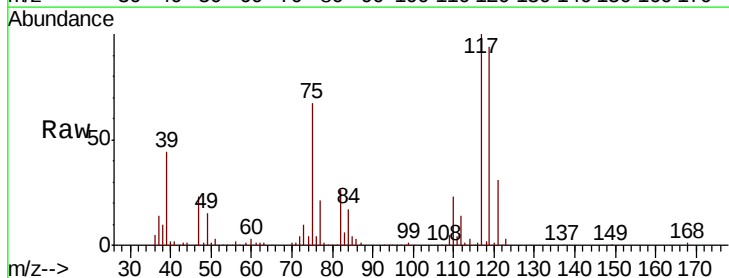
Manual Integrations
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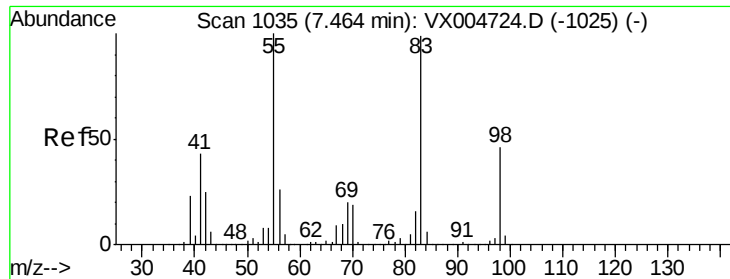
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10/10/2018 2:08:11 PM



#38
Carbon Tetrachloride
Concen: 42.712 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX005179.D
Acq: 10 Oct 2018 00:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	75.2	112.8
121	30.9	22.5	33.7





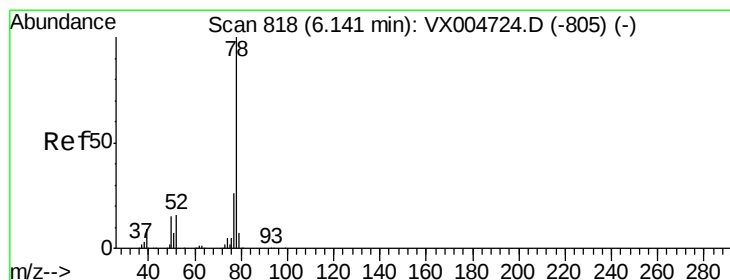
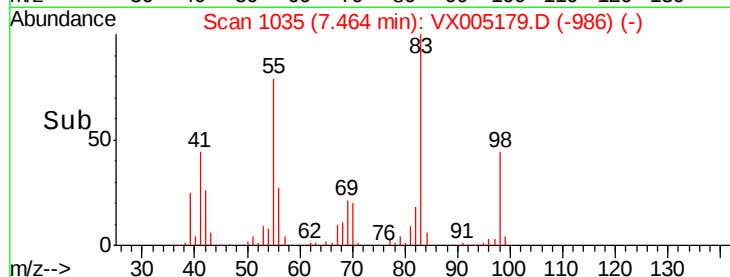
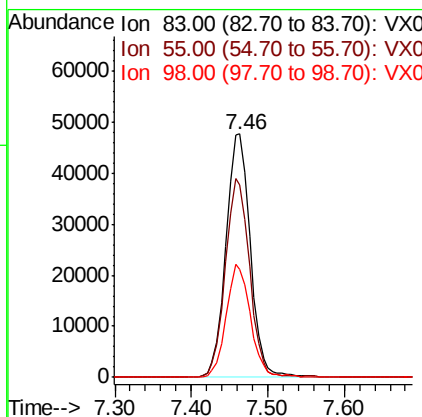
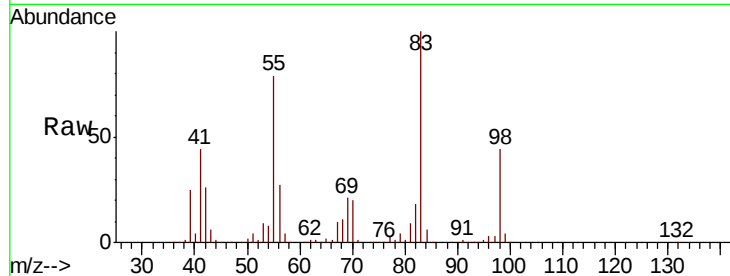
#39
Methvlcvclohexane
Concen: 33.409 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX005179.D
Acq: 10 Oct 2018 00:17

Instrument :
MSVOA_X
ClientSampleId :
SA-TW513-1014MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.8	81.1	121.7#
98	44.1	37.3	55.9

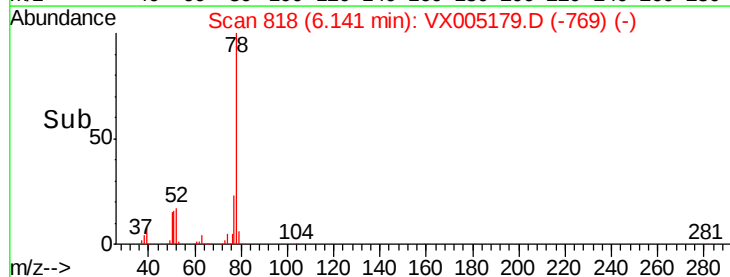
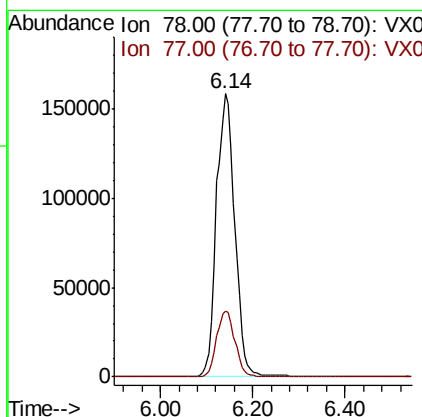
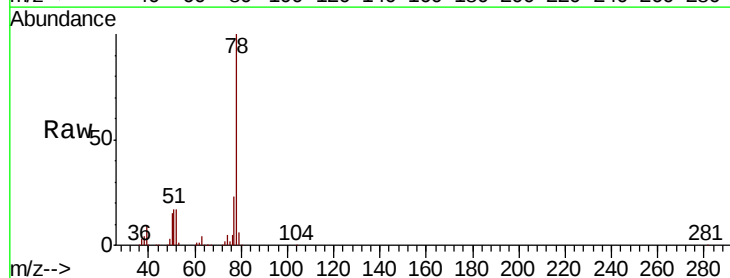
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#40
Benzene
Concen: 45.663 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX005179.D
Acq: 10 Oct 2018 00:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	21.0	31.4





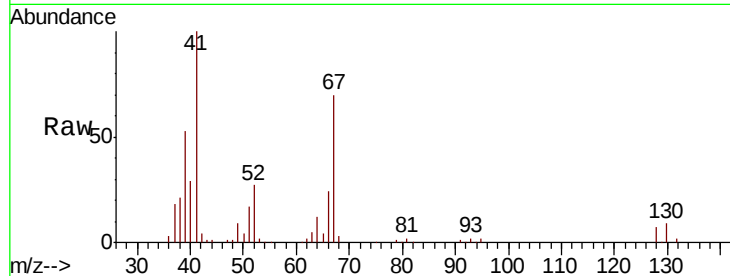
#41
Methacrylonitrile
Concen: 48.864 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX005179.D
Acq: 10 Oct 2018 00:17

Instrument :
MSVOA_X
ClientSampleId :
SA-TW513-1014MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.3	42.5	63.7	
67	68.8	53.0	79.6	
52	27.6	19.8	29.8	

Manual Integrations
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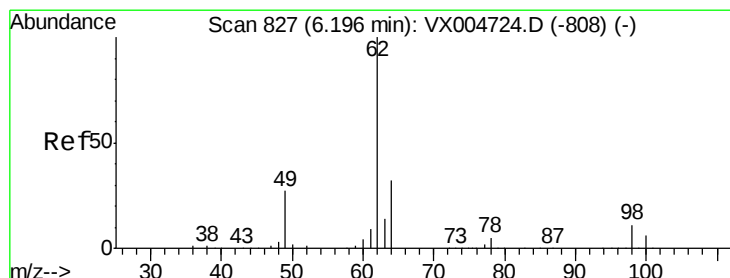
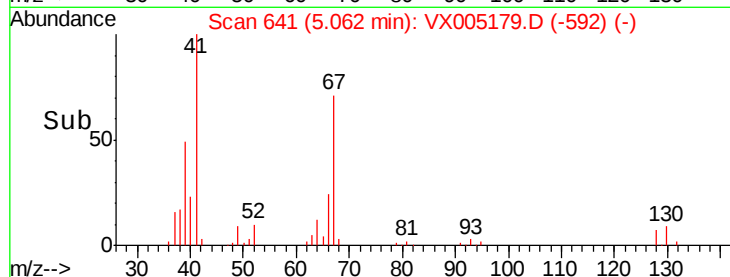
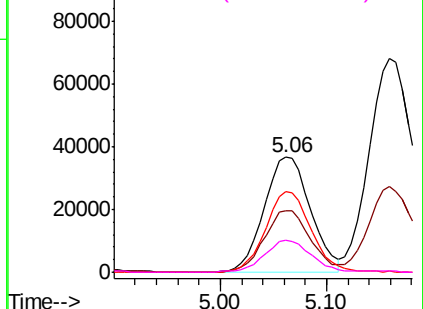
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

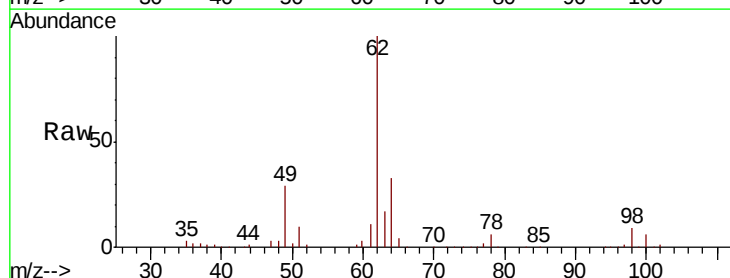
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42
1,2-Dichloroethane
Concen: 46.294 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX005179.D
Acq: 10 Oct 2018 00:17

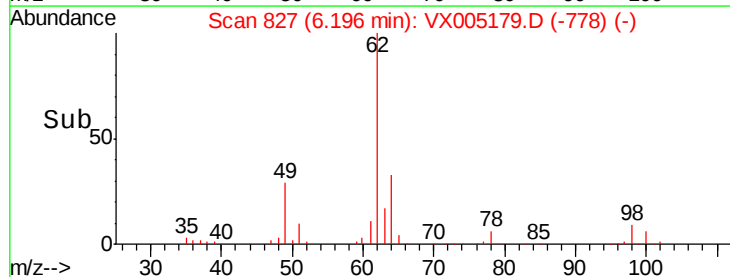
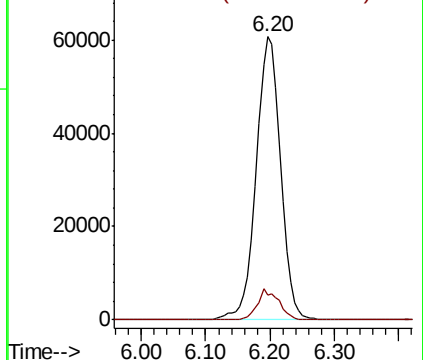
Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.5	0.0	20.2	

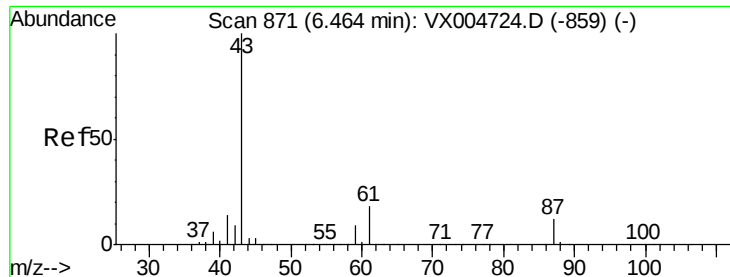


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

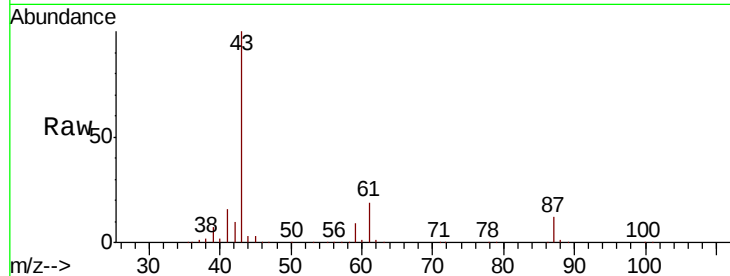
Isopropyl Acetate
 Concen: 41.857 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.00 min
 Lab File: VX005179.D
 Acq: 10 Oct 2018 00:17

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW513-1014MSD

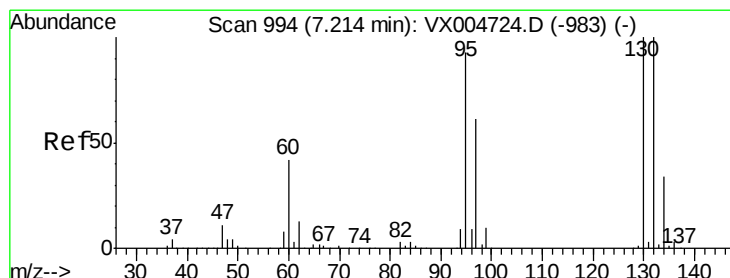
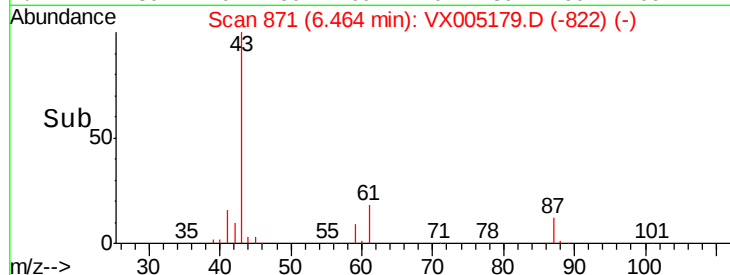
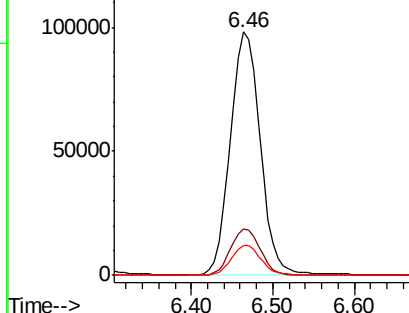
Tot Ion	Ratio	Lower	Upper
43	100		
61	19.2	14.2	21.4
87	12.4	9.3	13.9

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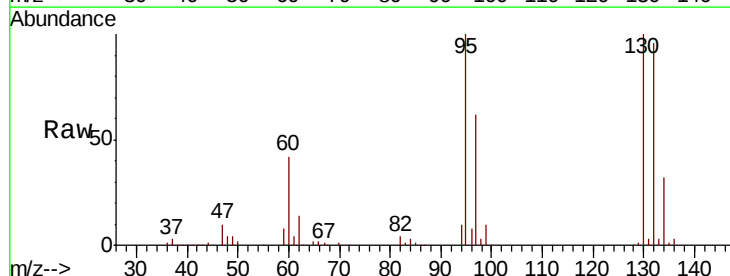
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



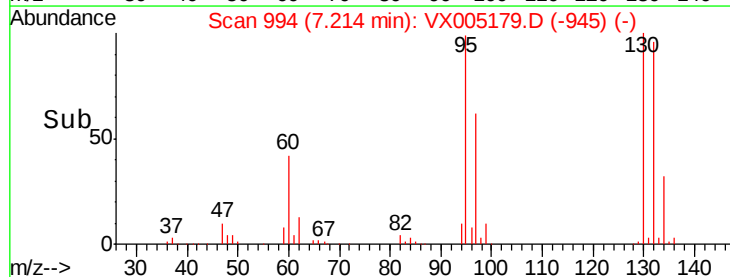
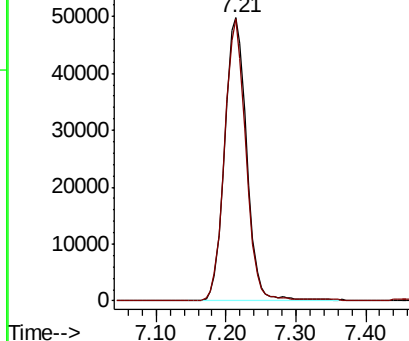
#44

Trichloroethene
 Concen: 45.925 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX005179.D
 Acq: 10 Oct 2018 00:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.6	0.0	186.8



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 49.500 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX005179.D

Acq: 10 Oct 2018 00:17

Instrument :

MSVOA_X

ClientSampleId :

SA-TW513-1014MSD

Tot Ion: 63 Resp: 117193

Ion Ratio Lower Upper

63 100

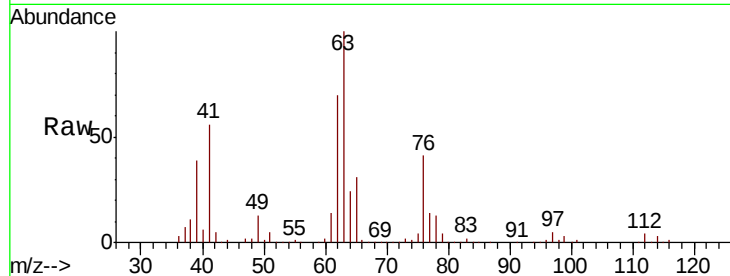
65 30.5 23.9 35.9

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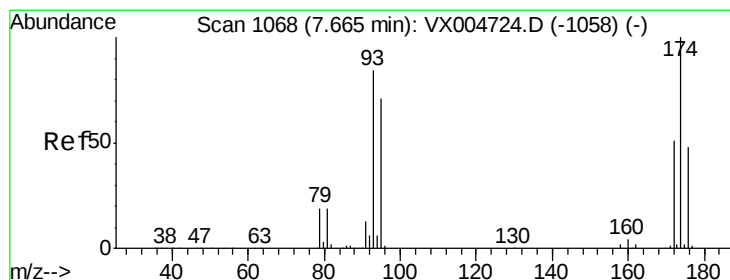
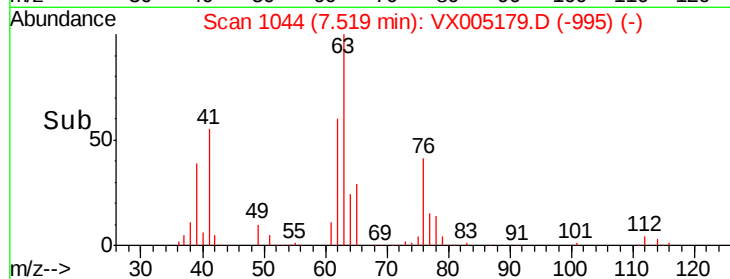
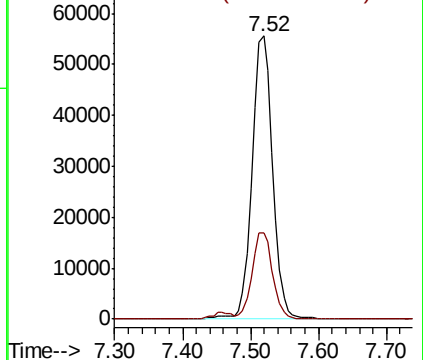
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 51.158 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX005179.D

Acq: 10 Oct 2018 00:17

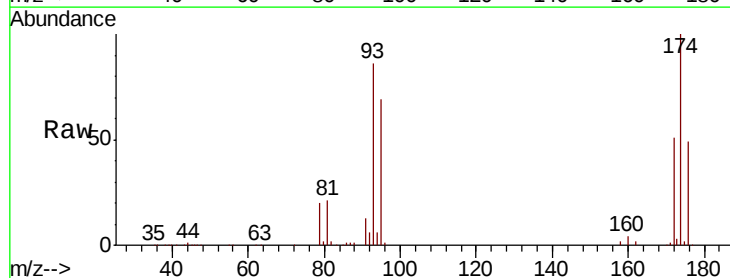
Tgt Ion: 93 Resp: 76118

Ion Ratio Lower Upper

93 100

95 82.8 66.7 100.1

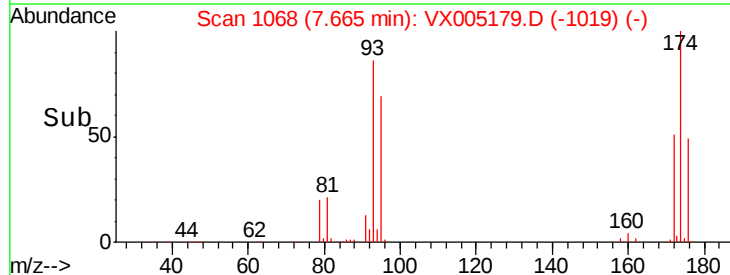
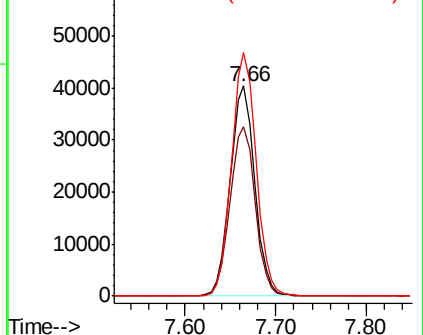
174 116.2 92.7 139.1

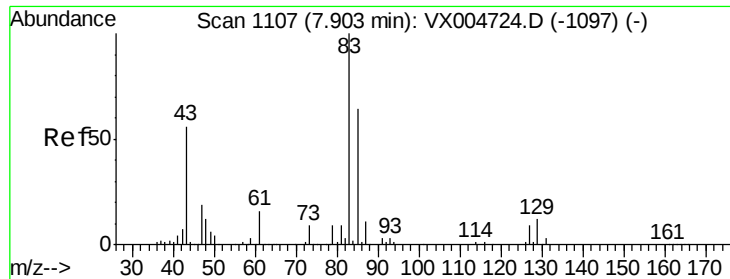


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





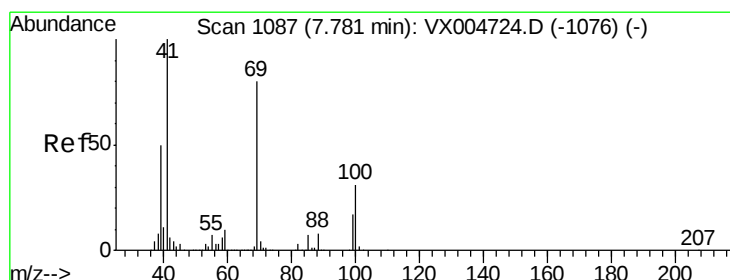
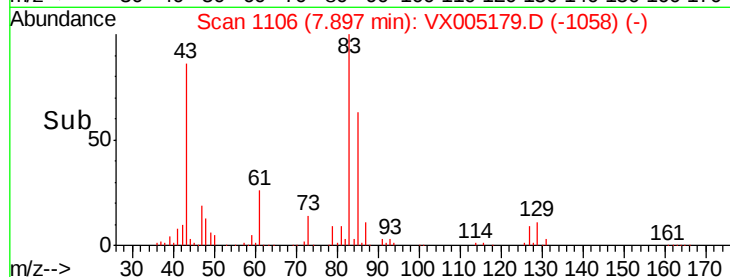
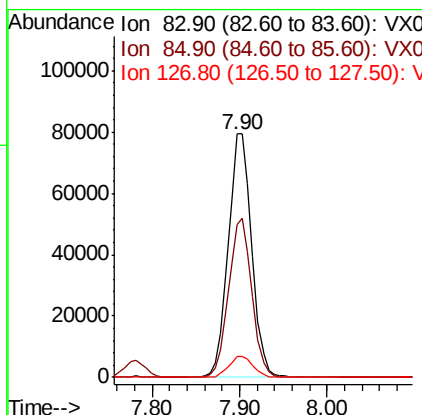
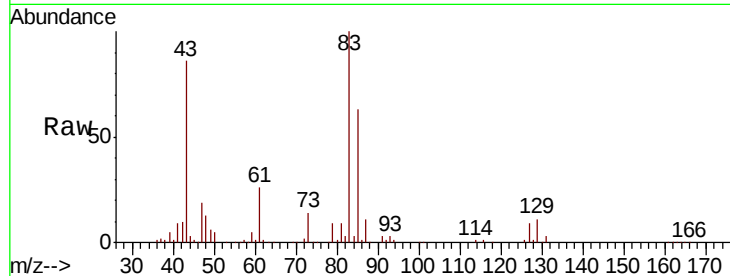
#47
Bromodichloromethane
Concen: 53.072 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VX005179.D
Acq: 10 Oct 2018 00:17

Instrument :
MSVOA_X
ClientSampleId :
SA-TW513-1014MSD

Tot Ion	83	Resp	147844
Ion Ratio	100		
Lower	51.2		
Upper	76.8		
85	62.7		
127	8.5		

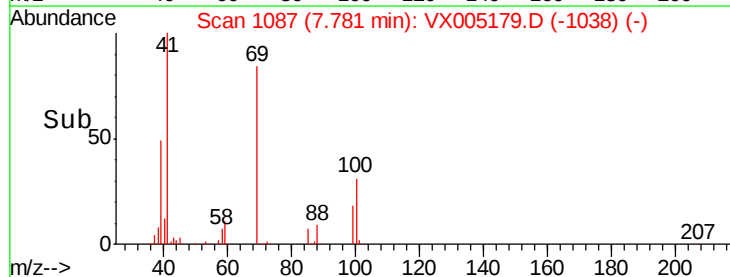
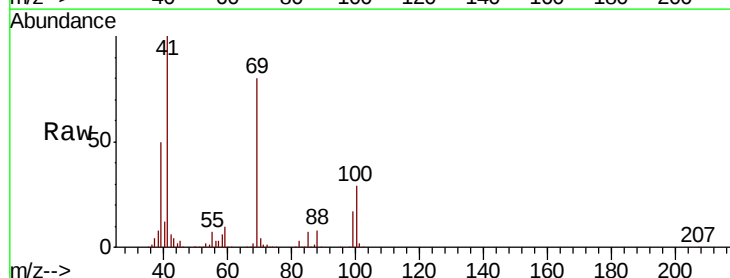
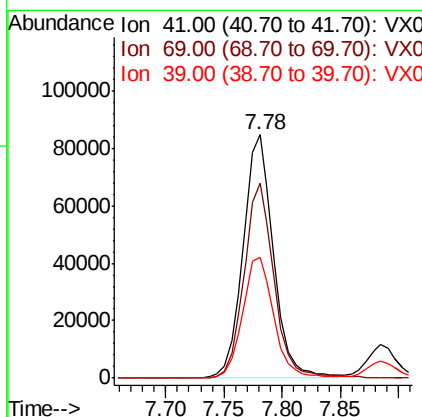
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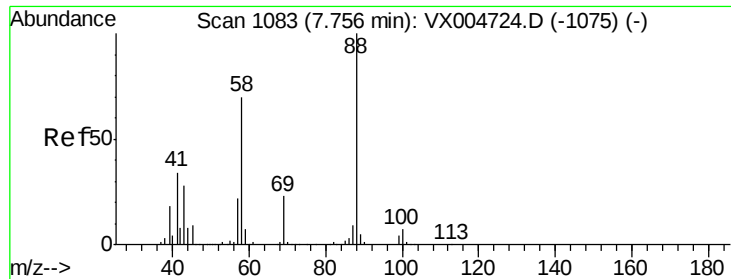
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#48
Methyl methacrylate
Concen: 57.009 ug/l
RT: 7.78 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX005179.D
Acq: 10 Oct 2018 00:17

Tgt Ion	41	Resp	152876
Ion Ratio	100		
Lower	63.8		
Upper	95.6		
69	79.6		
39	51.1		





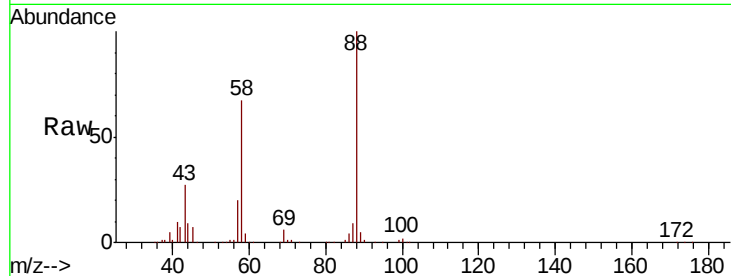
#49
1,4-Dioxane
Concen: 1124.544 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005179.D
Acq: 10 Oct 2018 00:17

Instrument :
MSVOA_X
ClientSampleId :
SA-TW513-1014MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.2	25.1	37.7
58	72.8	56.2	84.2

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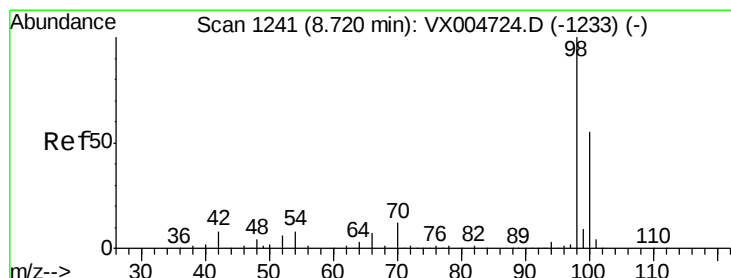
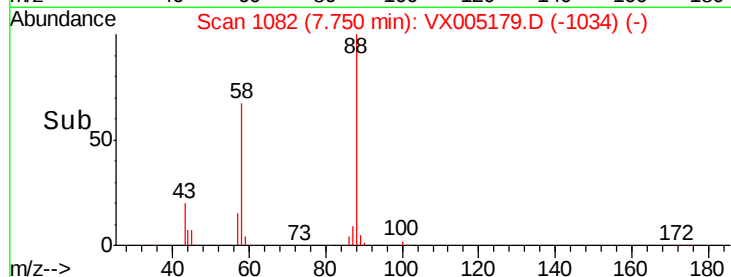
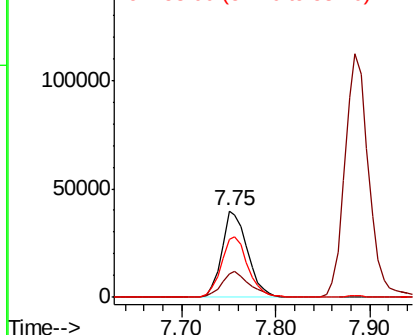


Abundance

Ion 88.00 (87.70 to 88.70): VX0

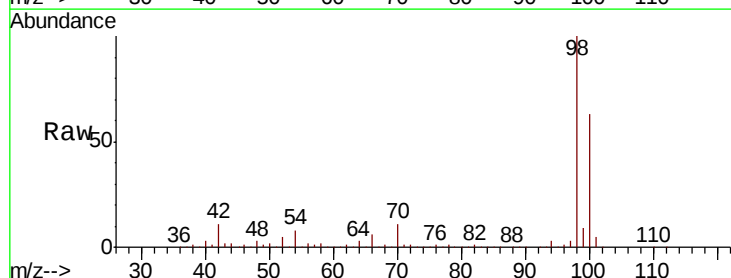
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 51.217 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX005179.D
Acq: 10 Oct 2018 00:17

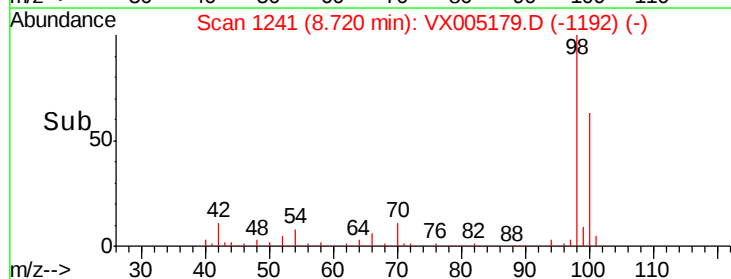
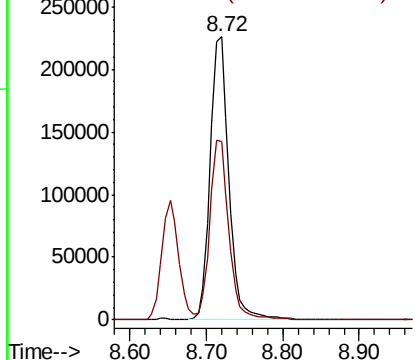
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.9	77.9

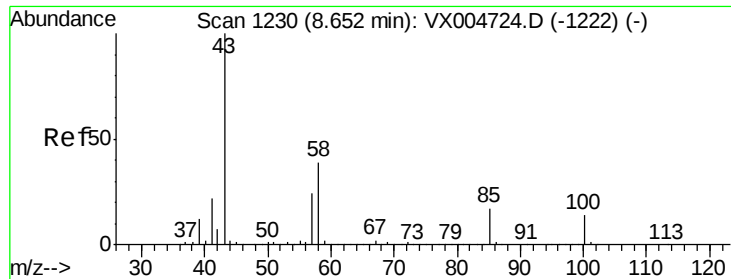


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





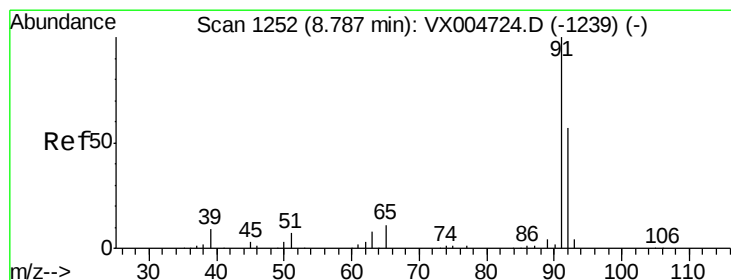
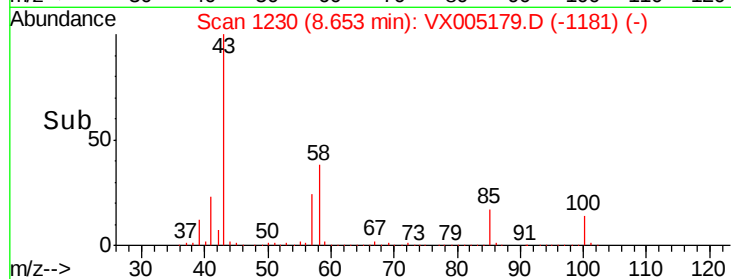
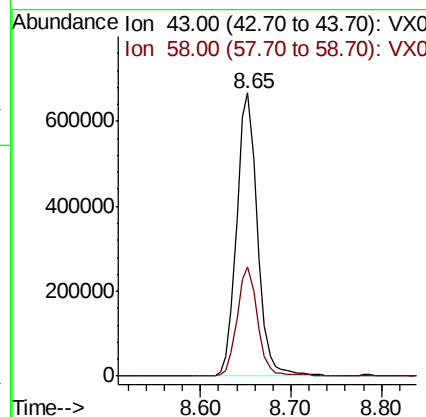
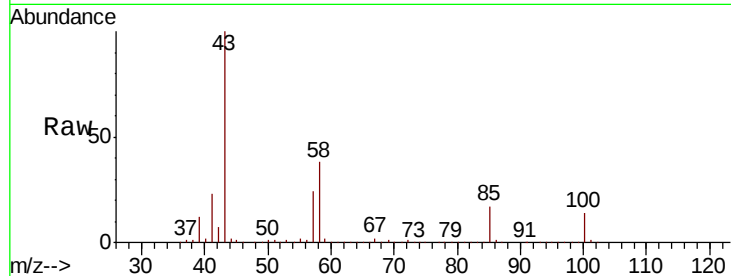
#51
4-Methyl-2-Pentanone
Concen: 285.725 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VX005179.D
Acq: 10 Oct 2018 00:17

Instrument :
MSVOA_X
ClientSampleId :
SA-TW513-1014MSD

Tot Ion: 43 Resp: 1062905
Ion Ratio Lower Upper
43 100
58 38.4 30.5 45.7

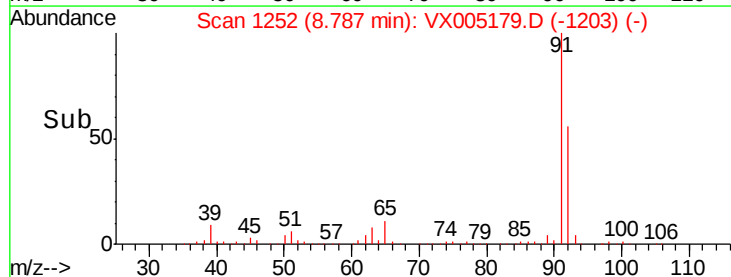
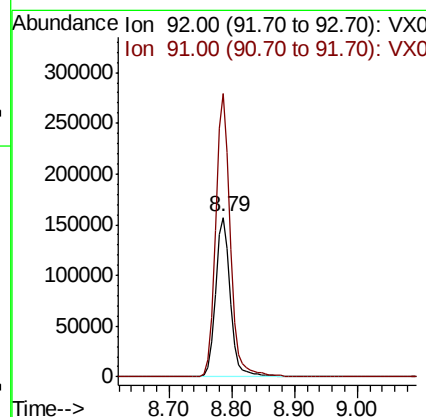
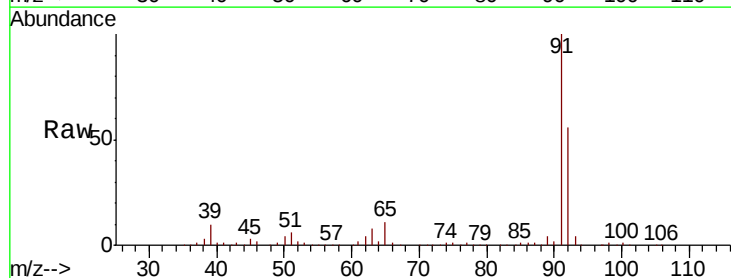
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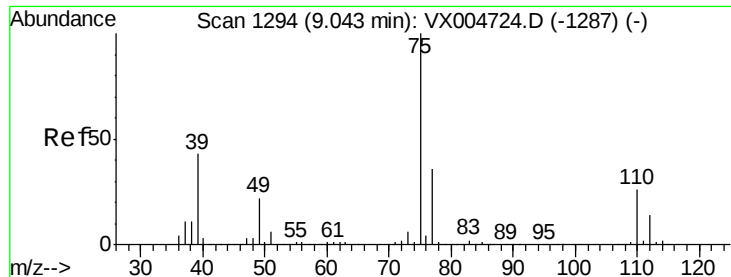
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#52
Toluene
Concen: 48.222 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX005179.D
Acq: 10 Oct 2018 00:17

Tgt Ion: 92 Resp: 255811
Ion Ratio Lower Upper
92 100
91 175.5 136.7 205.1





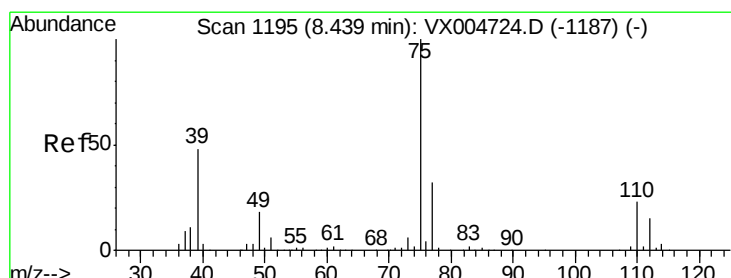
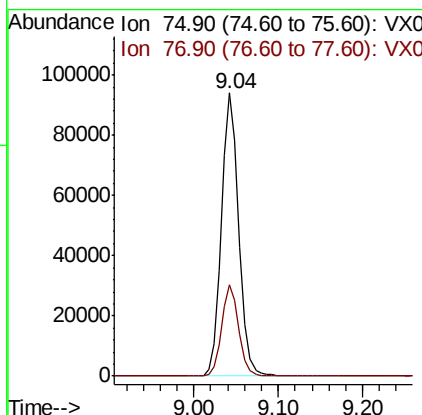
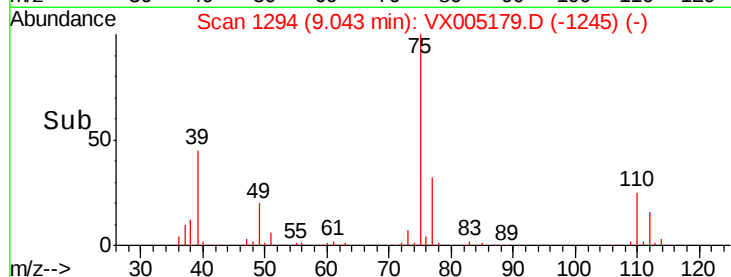
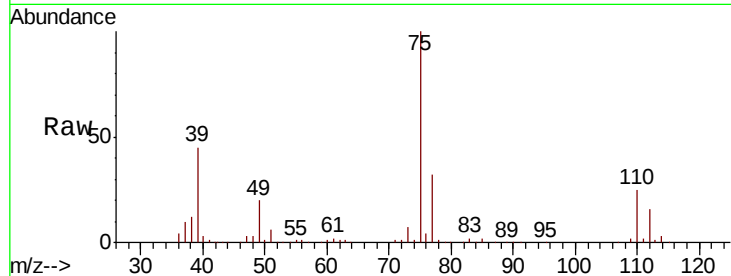
#53
t-1,3-Dichloropropene
Concen: 42.416 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX005179.D
Acq: 10 Oct 2018 00:17

Instrument :
MSVOA_X
ClientSampleId :
SA-TW513-1014MSD

Tot Ion: 75 Resp: 133526
Ion Ratio Lower Upper
75 100
77 32.2 28.9 43.3

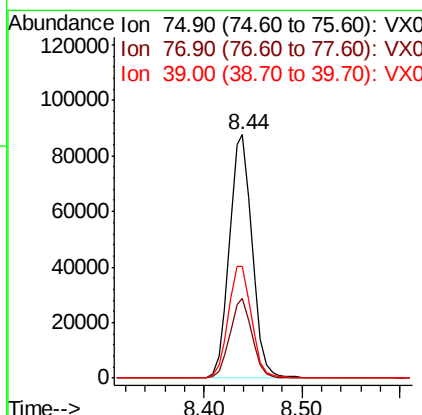
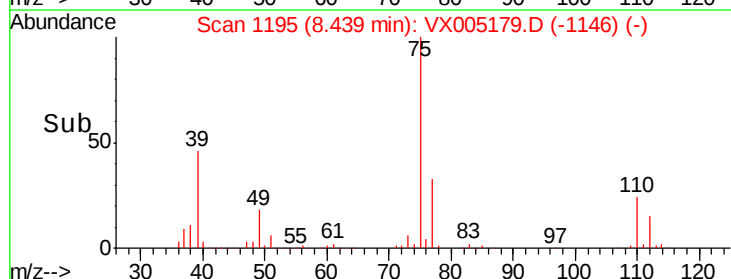
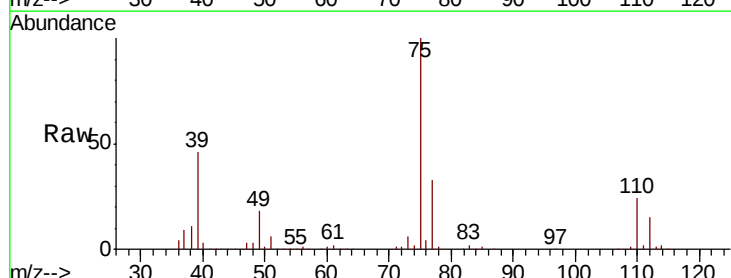
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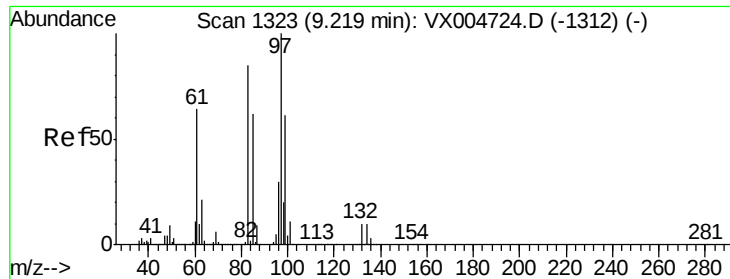
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#54
cis-1,3-Dichloropropene
Concen: 42.884 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.00 min
Lab File: VX005179.D
Acq: 10 Oct 2018 00:17

Tgt Ion: 75 Resp: 141399
Ion Ratio Lower Upper
75 100
77 32.7 25.7 38.5
39 45.6 38.3 57.5





#55

1,1,2-Trichloroethane

Concen: 50.284 ug/l

RT: 9.22 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX005179.D

Acq: 10 Oct 2018 00:17

Instrument :

MSVOA_X

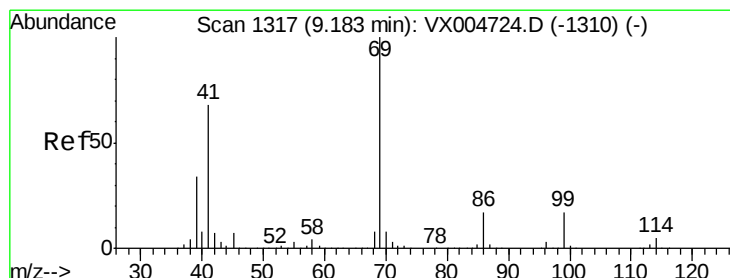
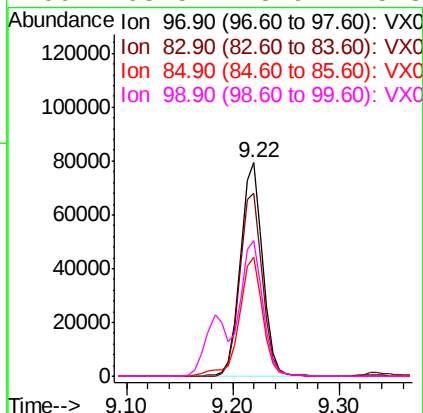
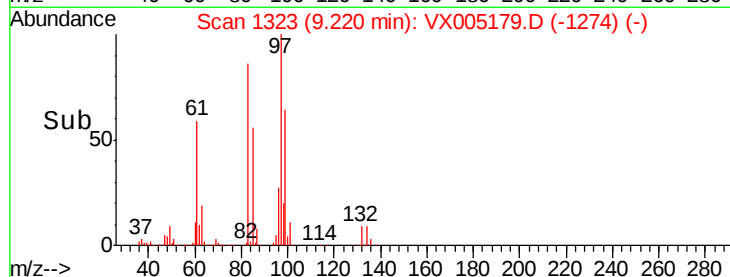
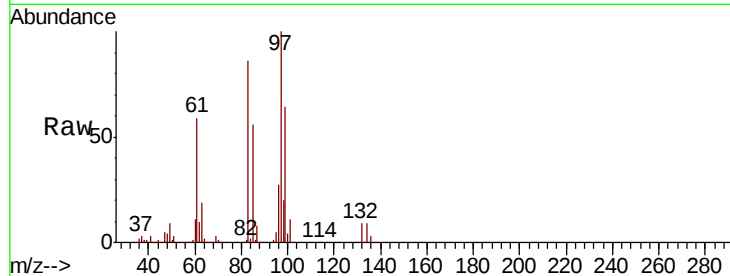
ClientSampleId :

SA-TW513-1014MSD

Tot Ion:	97	Resp:	116845
Ion	Ratio	Lower	Upper
97	100		
83	85.6	68.2	102.2
85	55.7	49.9	74.9
99	63.5	48.9	73.3

Manual Integrations
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#56

Ethyl methacrylate

Concen: 47.196 ug/l

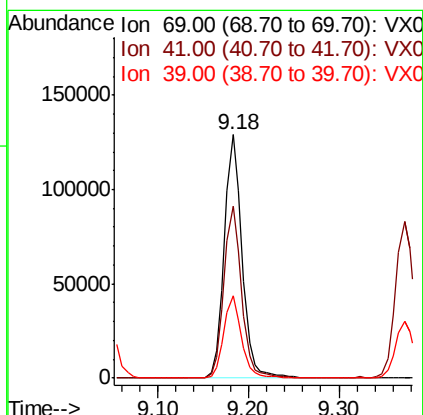
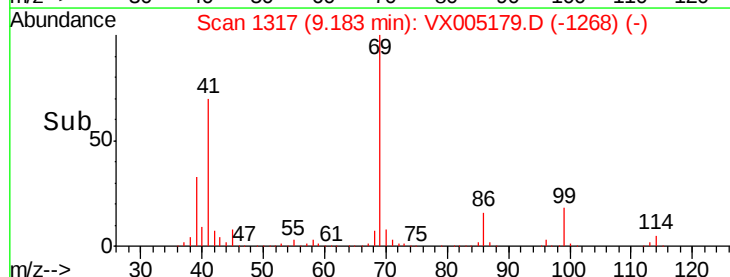
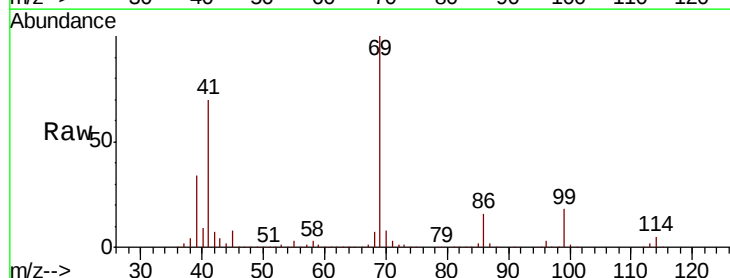
RT: 9.18 min Scan# 1317

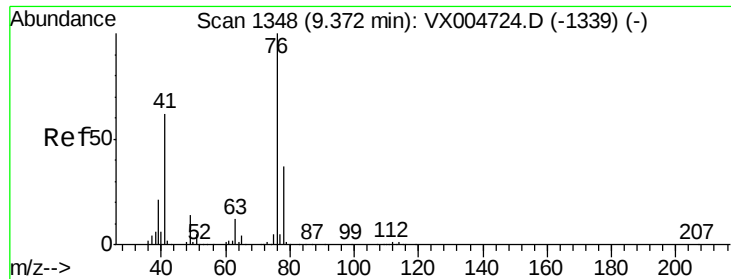
Delta R.T. 0.00 min

Lab File: VX005179.D

Acq: 10 Oct 2018 00:17

Tgt Ion:	69	Resp:	177320
Ion	Ratio	Lower	Upper
69	100		
41	70.0	56.9	85.3
39	33.8	28.4	42.6





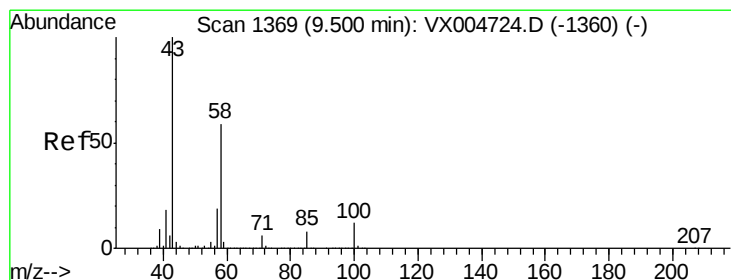
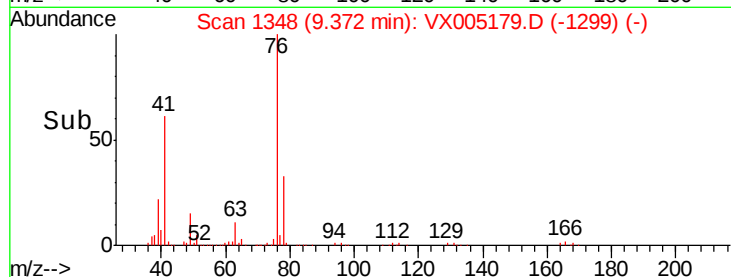
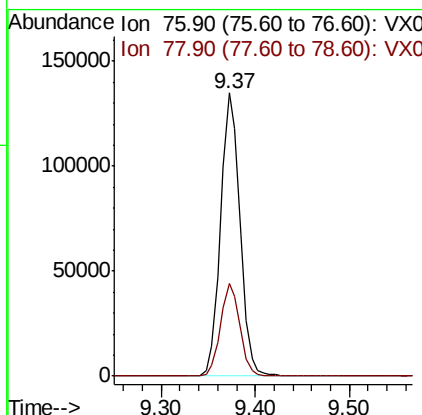
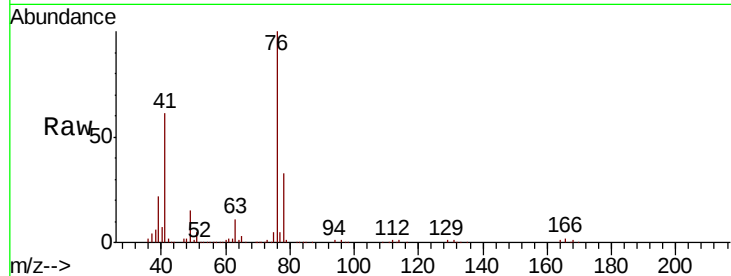
#57
 1,3-Dichloropropane
 Concen: 49.763 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX005179.D
 Acq: 10 Oct 2018 00:17

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW513-1014MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.6	40.0

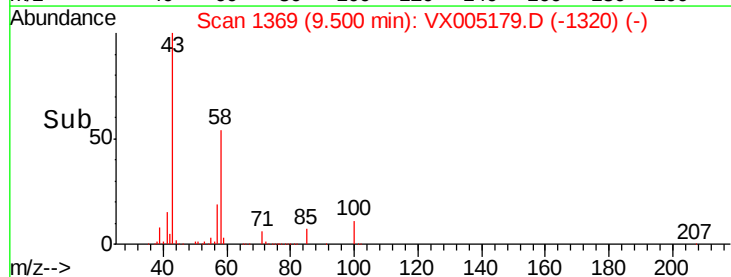
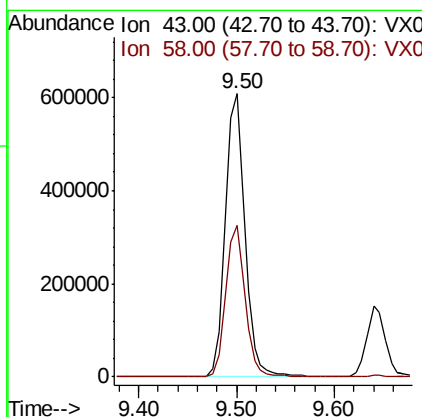
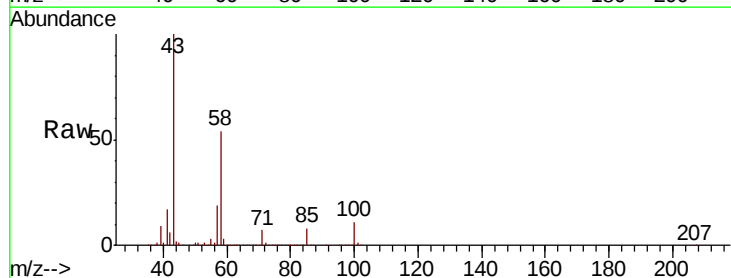
Manual Integrations
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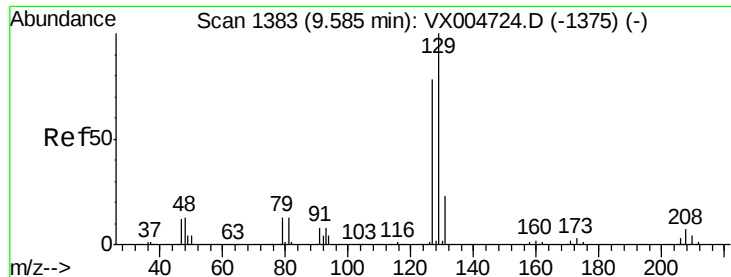
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#59
 2-Hexanone
 Concen: 274.294 ug/l
 RT: 9.50 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VX005179.D
 Acq: 10 Oct 2018 00:17

Tgt Ion	Ratio	Lower	Upper
43	100		
58	53.0	28.4	85.3





#60

Dibromochloromethane

Concen: 52.000 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VX005179.D

Acq: 10 Oct 2018 00:17

Instrument :

MSVOA_X

ClientSampleId :

SA-TW513-1014MSD

Tot Ion:129 Resp: 120841

Ion Ratio Lower Upper

129 100

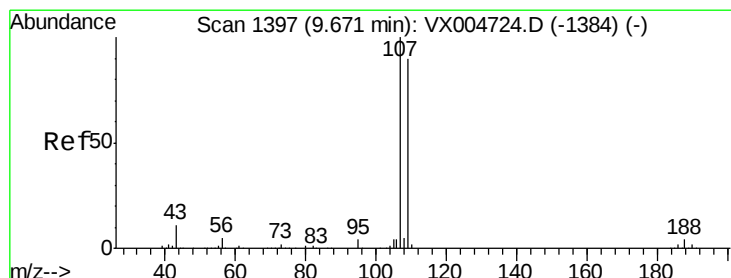
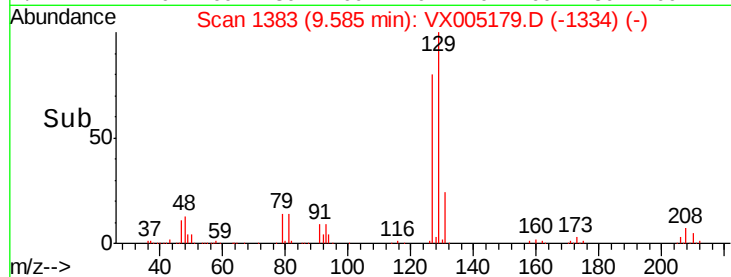
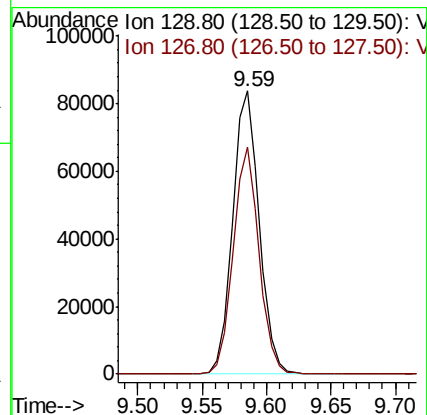
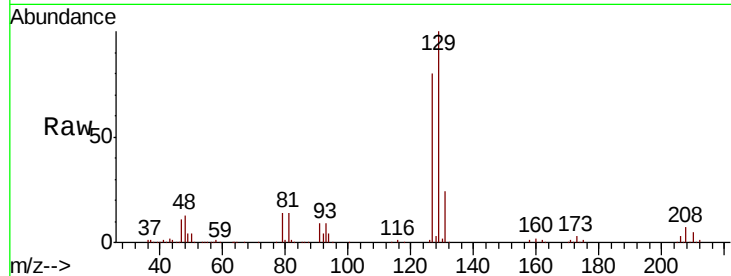
127 78.2 39.1 117.2

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#61

1,2-Dibromoethane

Concen: 47.020 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX005179.D

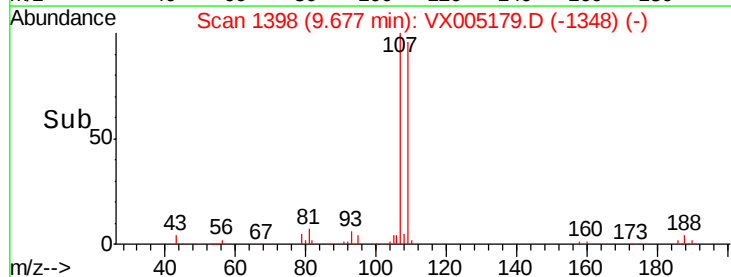
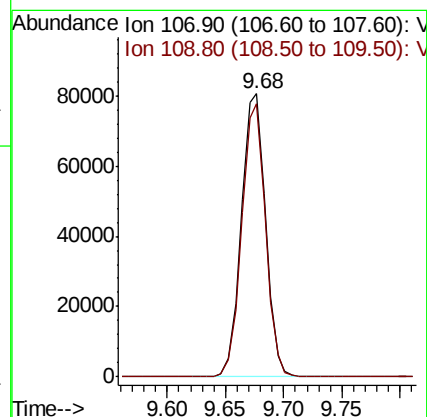
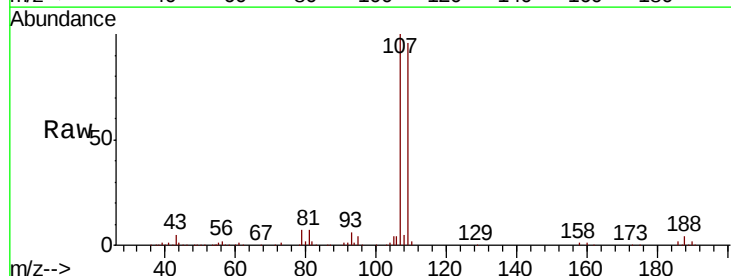
Acq: 10 Oct 2018 00:17

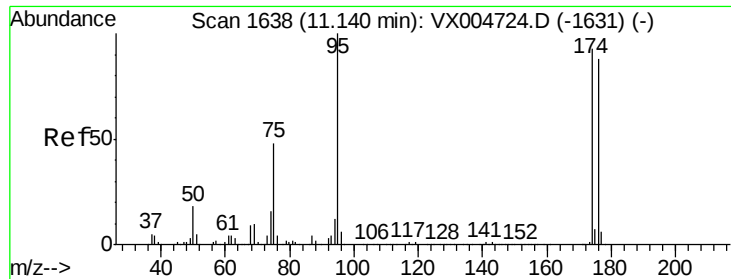
Tgt Ion:107 Resp: 117011

Ion Ratio Lower Upper

107 100

109 94.8 72.1 108.1





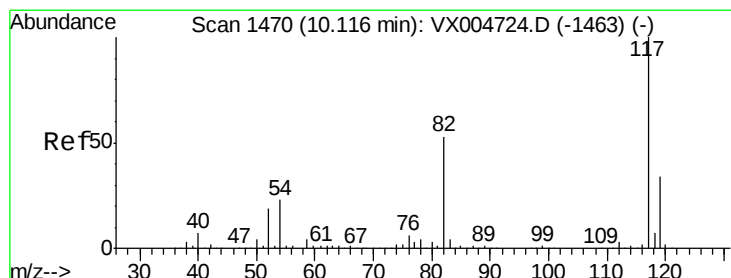
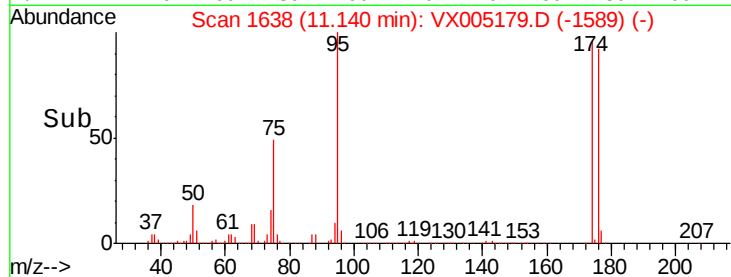
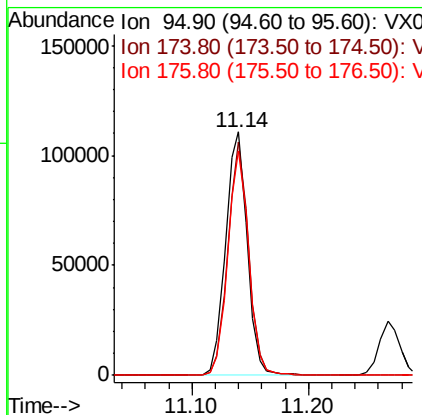
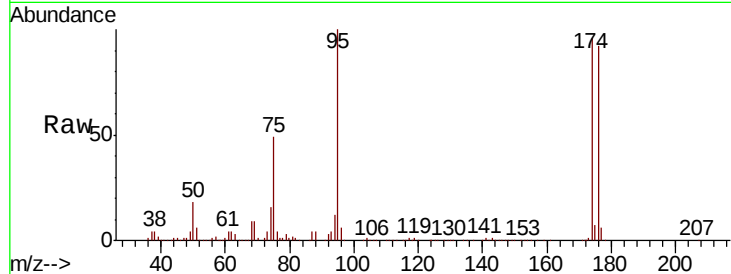
#62
4-Bromofluorobenzene
Concen: 52.505 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005179.D
Acq: 10 Oct 2018 00:17

Instrument :
MSVOA_X
ClientSampleId :
SA-TW513-1014MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	142128		
174	92.7	0.0	185.0	
176	90.1	0.0	180.2	

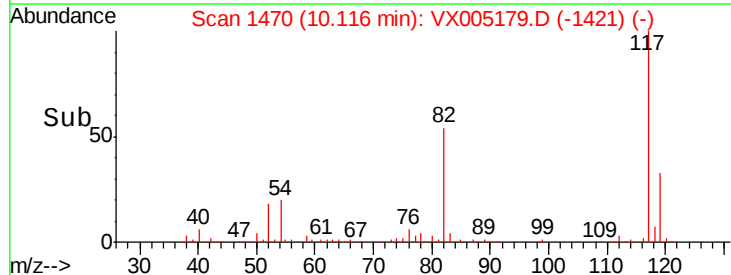
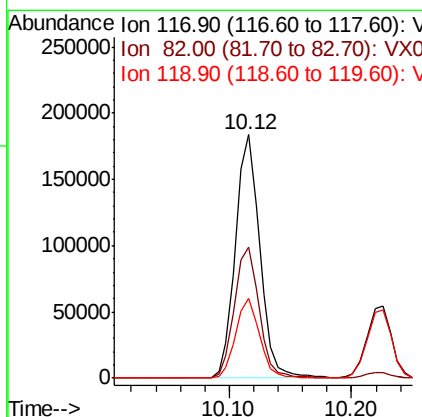
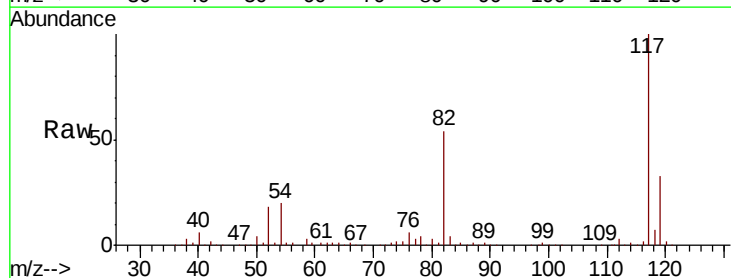
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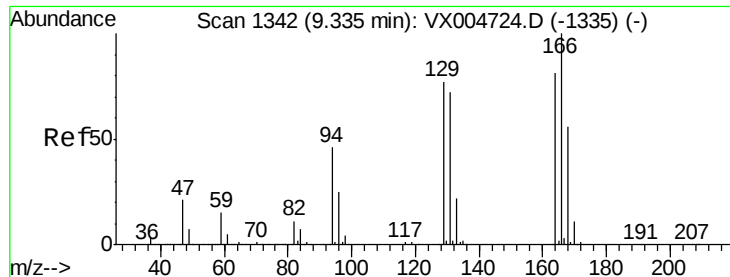
MMDadoda
10/10/2018 2:08:11 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005179.D
Acq: 10 Oct 2018 00:17

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	253213		
82	53.6	42.2	63.4	
119	32.8	27.4	41.0	





#64

Tetrachloroethene

Concen: 39.454 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX005179.D

Acq: 10 Oct 2018 00:17

Instrument :

MSVOA_X

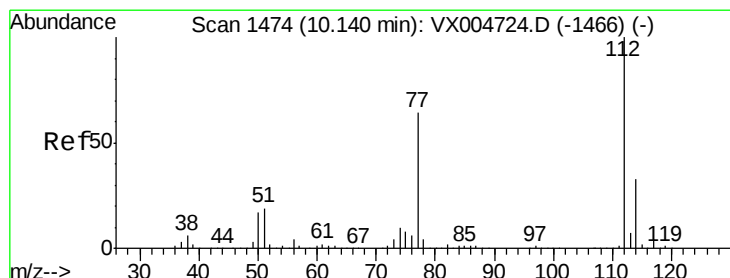
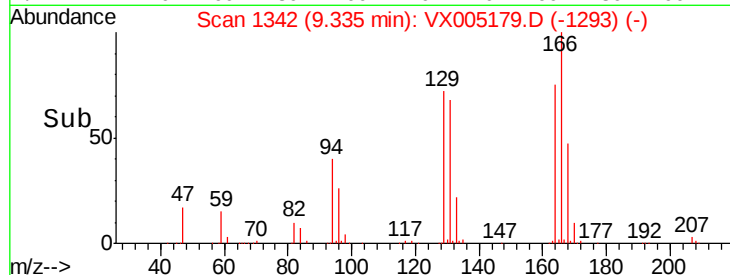
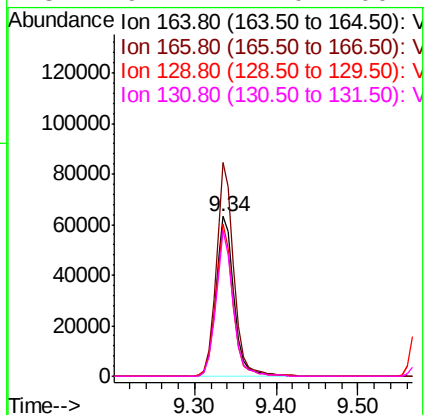
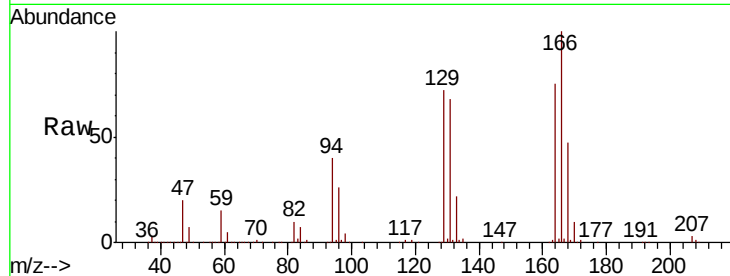
ClientSampleId :

SA-TW513-1014MSD

Tot Ion:	164	Resp:	98327
Ion	Ratio	Lower	Upper
164	100		
166	134.0	98.4	147.6
129	95.8	76.1	114.1
131	91.2	71.0	106.4

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#65

Chlorobenzene

Concen: 44.756 ug/l

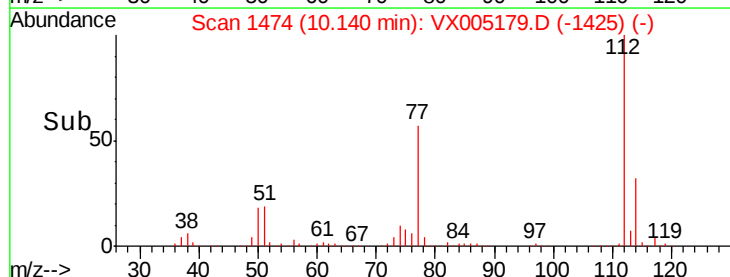
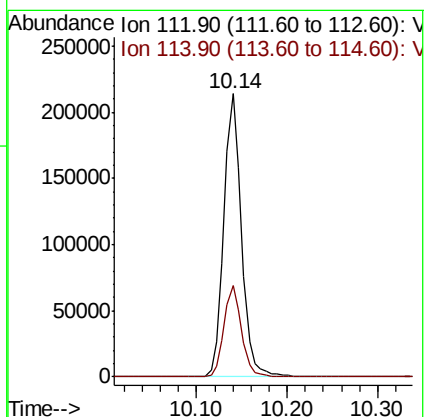
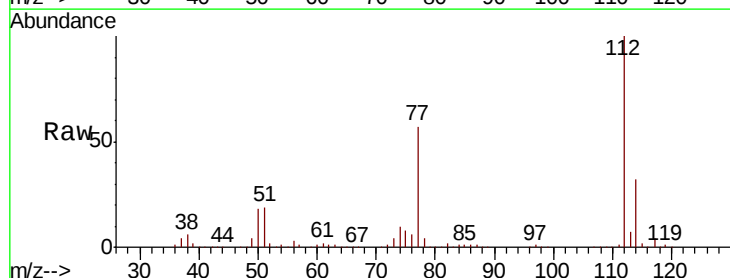
RT: 10.14 min Scan# 1474

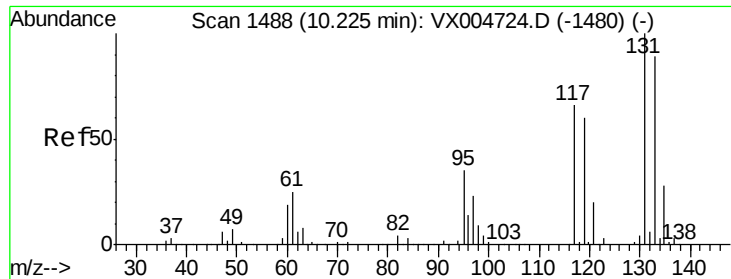
Delta R.T. 0.00 min

Lab File: VX005179.D

Acq: 10 Oct 2018 00:17

Tgt Ion:	112	Resp:	290608
Ion	Ratio	Lower	Upper
112	100		
114	32.4	26.7	40.1





#66

1,1,1,2-Tetrachloroethane

Concen: 48.796 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. 0.00 min

Lab File: VX005179.D

Acq: 10 Oct 2018 00:17

Instrument :

MSVOA_X

ClientSampleId :

SA-TW513-1014MSD

Tot Ion:131 Resp: 111386

Ion Ratio Lower Upper

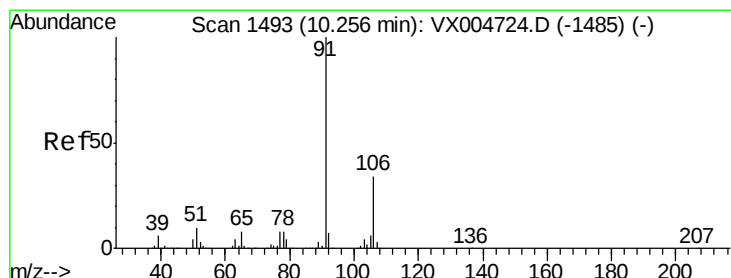
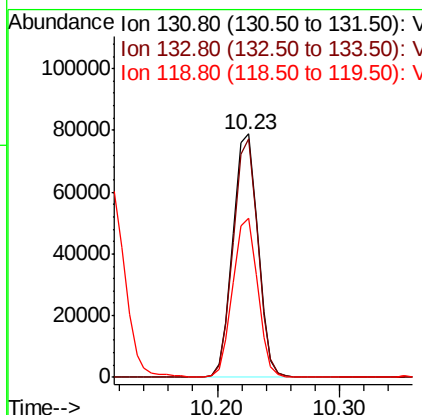
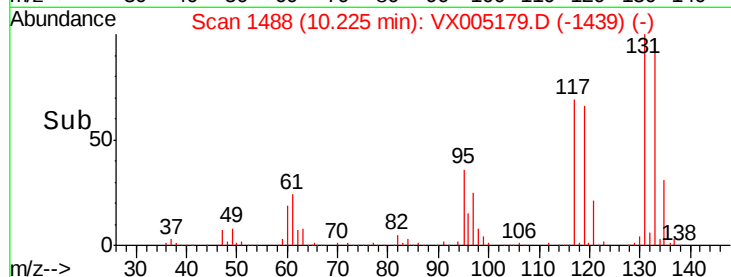
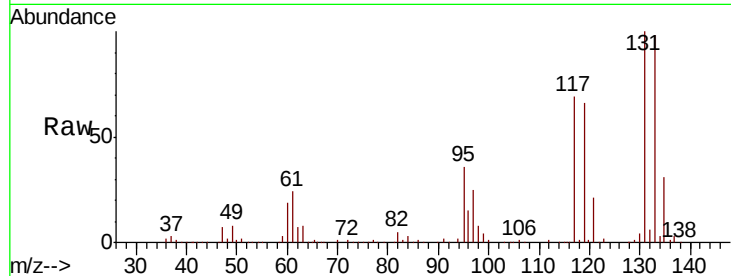
131 100

133 96.5 48.4 145.0

119 65.1 32.3 96.8

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#67

Ethyl Benzene

Concen: 45.646 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX005179.D

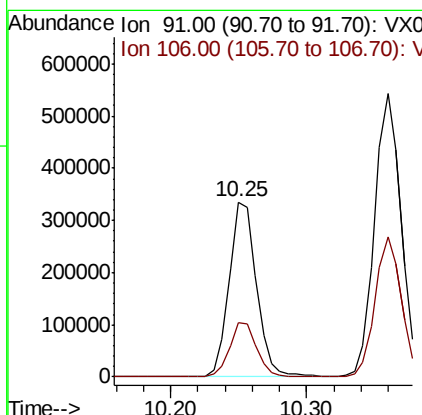
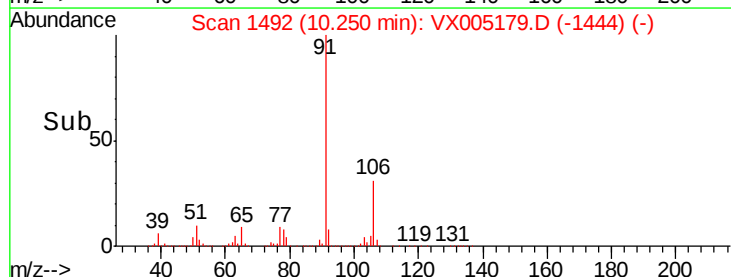
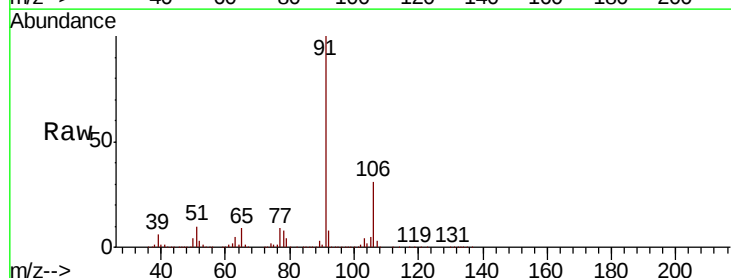
Acq: 10 Oct 2018 00:17

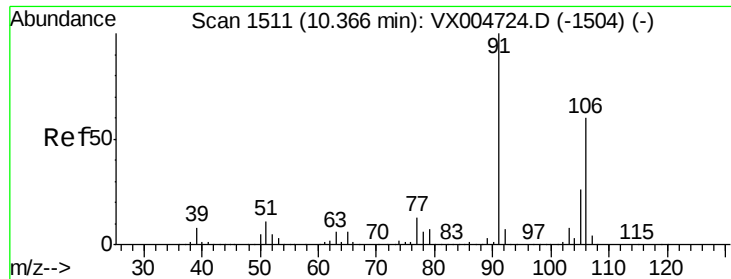
Tgt Ion: 91 Resp: 470550

Ion Ratio Lower Upper

91 100

106 30.9 26.9 40.3





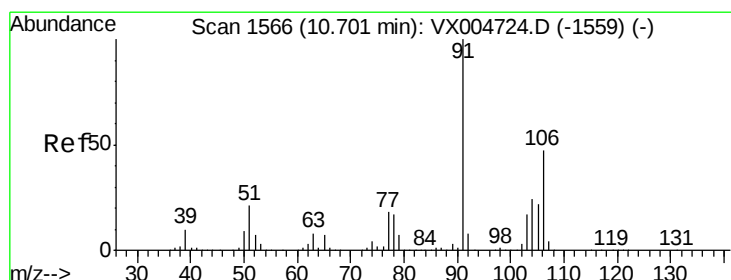
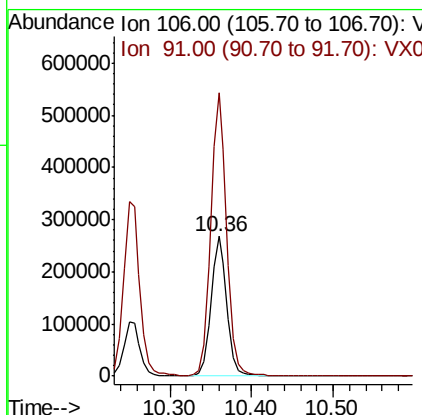
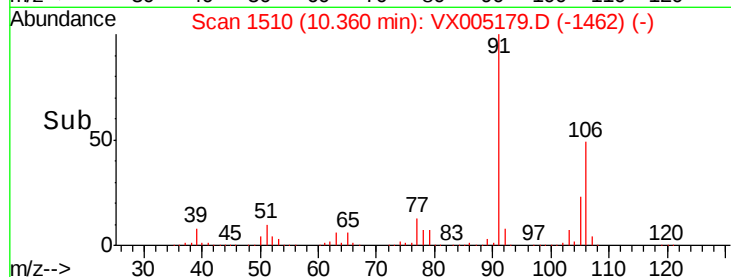
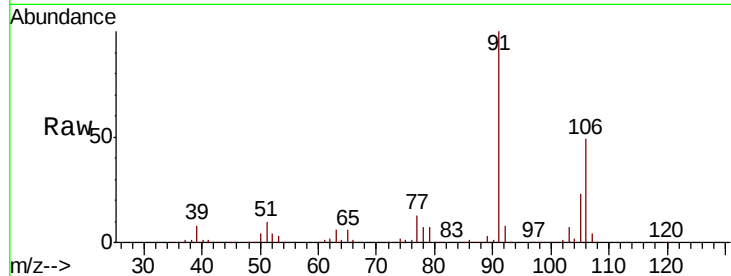
#68
m/p-Xylenes
Concen: 90.755 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX005179.D
Acq: 10 Oct 2018 00:17

Instrument :
MSVOA_X
ClientSampleId :
SA-TW513-1014MSD

Tot Ion:106 Resp: 365590
Ion Ratio Lower Upper
106 100
91 204.5 157.5 236.3

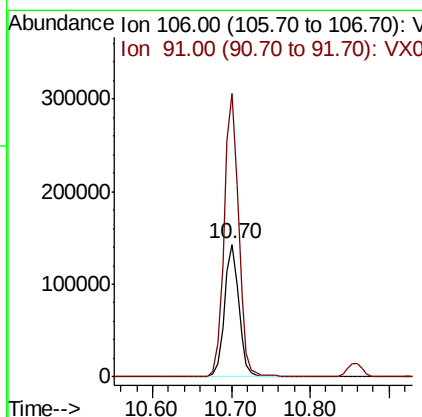
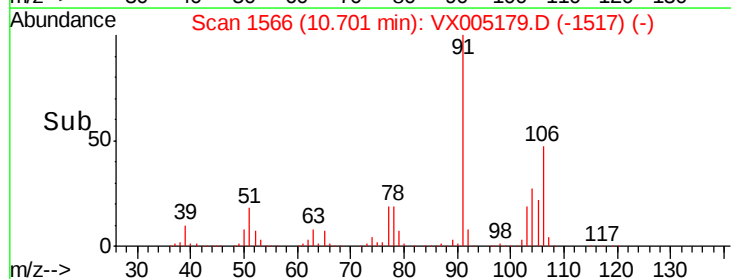
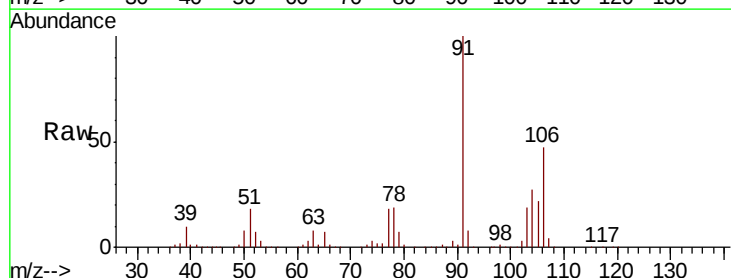
Manual Integrations
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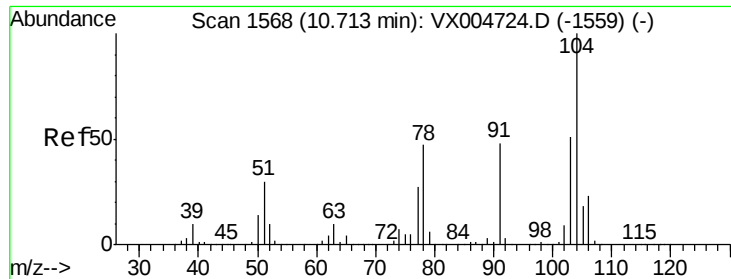
MMDadoda
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#69
o-Xylene
Concen: 49.051 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005179.D
Acq: 10 Oct 2018 00:17

Tgt Ion:106 Resp: 181488
Ion Ratio Lower Upper
106 100
91 215.0 108.3 324.8





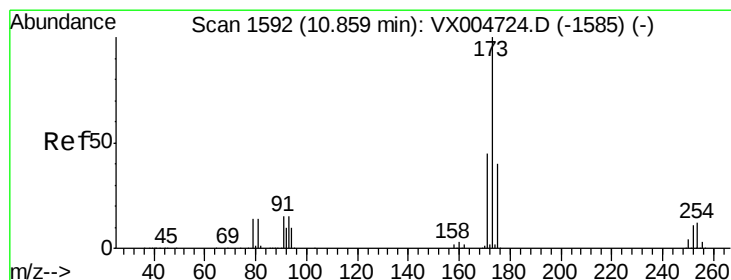
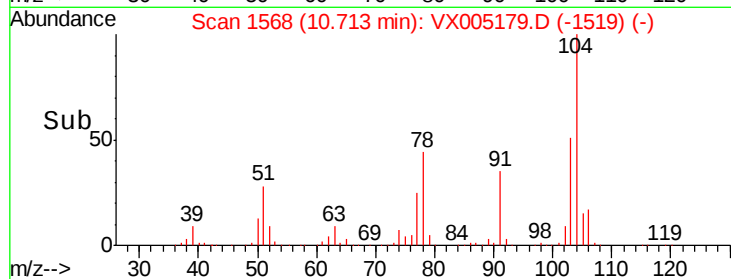
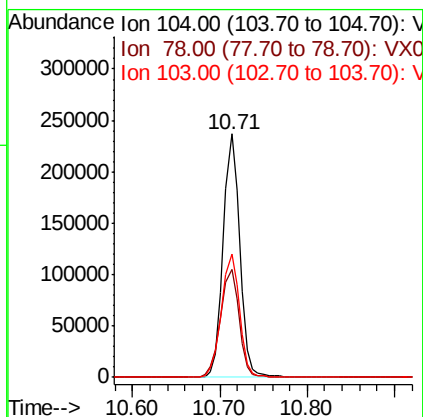
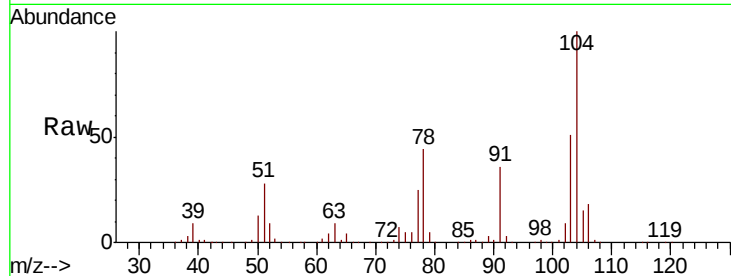
#70
Stvrene
Concen: 45.138 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005179.D
Acq: 10 Oct 2018 00:17

Instrument :
MSVOA_X
ClientSampleId :
SA-TW513-1014MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.1	40.0	60.0
103	55.4	44.3	66.5

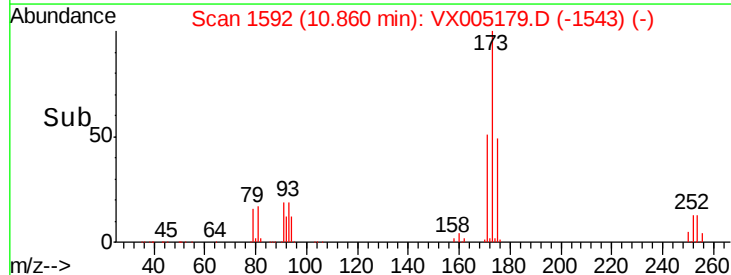
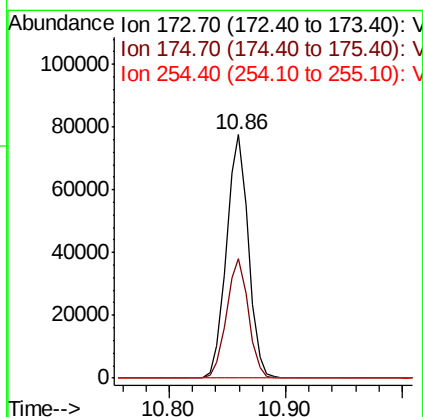
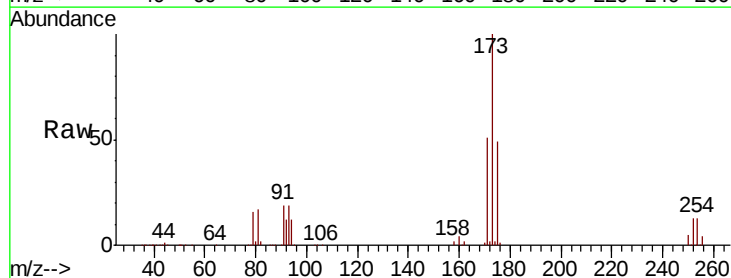
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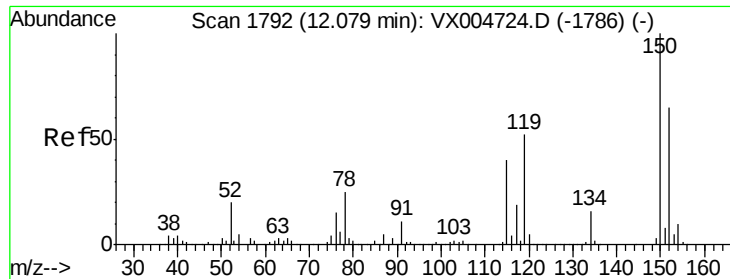
MMDadoda
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#71
Bromoform
Concen: 51.749 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX005179.D
Acq: 10 Oct 2018 00:17

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.9	23.3	69.8
254	0.2	0.2	0.2





#72

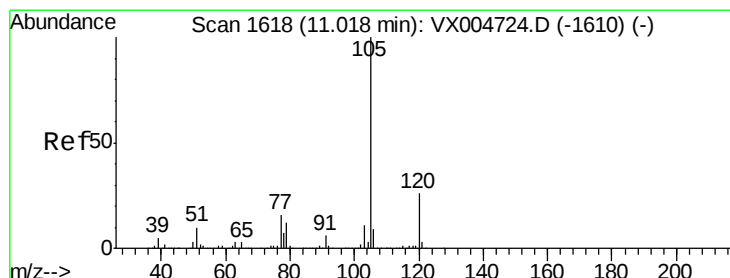
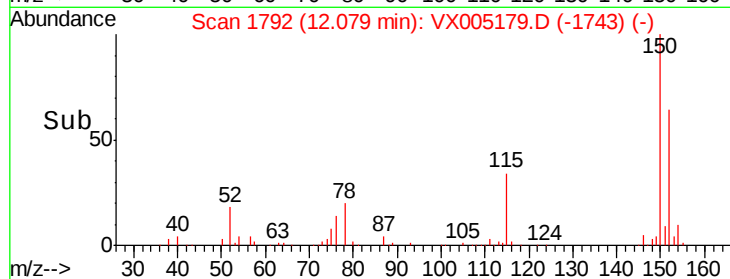
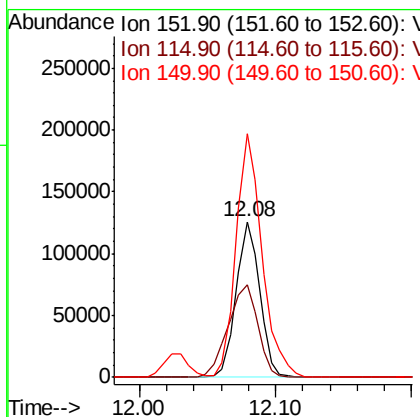
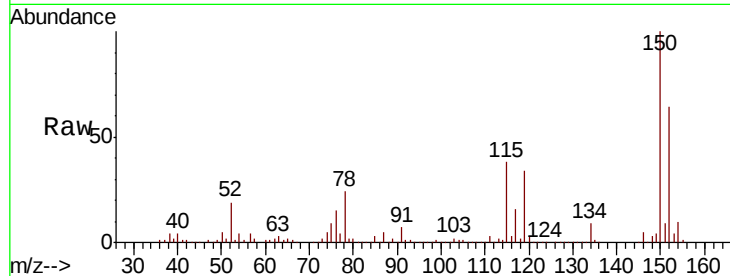
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005179.D
Acq: 10 Oct 2018 00:17

Instrument :
MSVOA_X
ClientSampleId :
SA-TW513-1014MSD

Tot Ion	Ratio	Lower	Upper
152	100		
115	75.2	40.2	120.6
150	172.6	0.0	351.0

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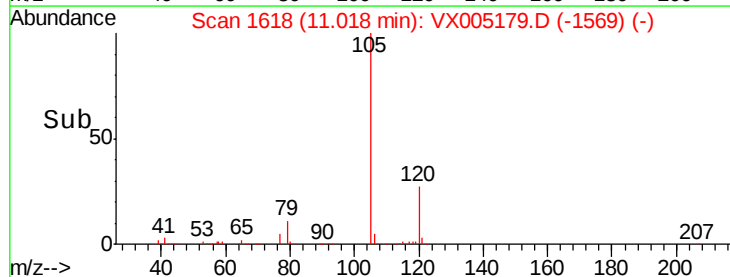
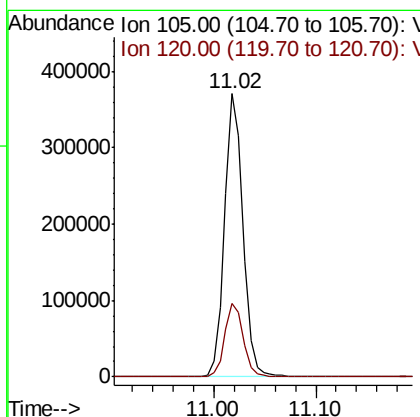
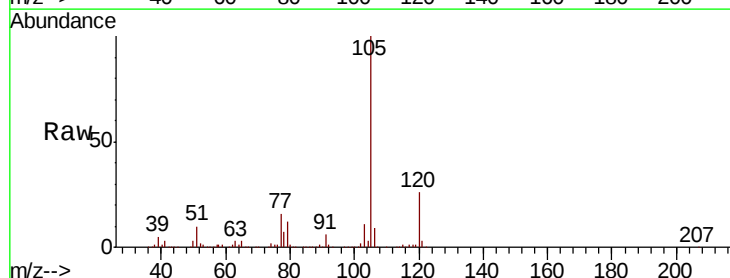
MMDadoda
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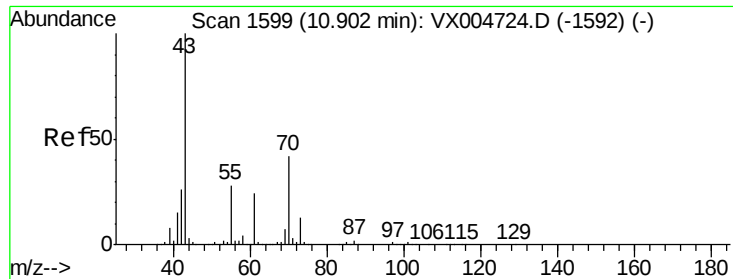


#73

Isopropylbenzene
Concen: 48.637 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX005179.D
Acq: 10 Oct 2018 00:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.2	39.5





#74

N-amvl acetate

Concen: 37.479 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX005179.D

Acq: 10 Oct 2018 00:17

Instrument :

MSVOA_X

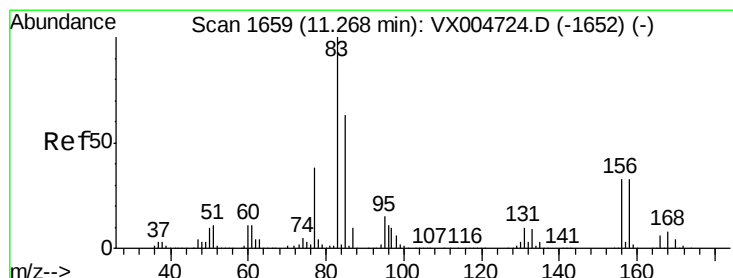
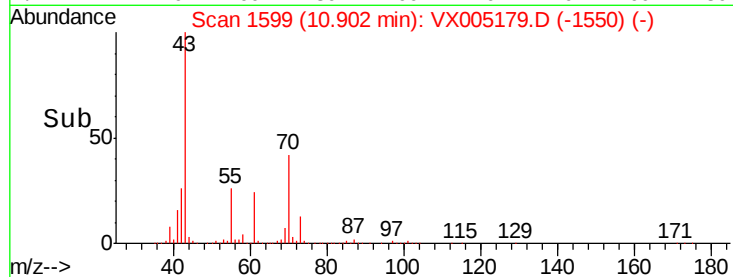
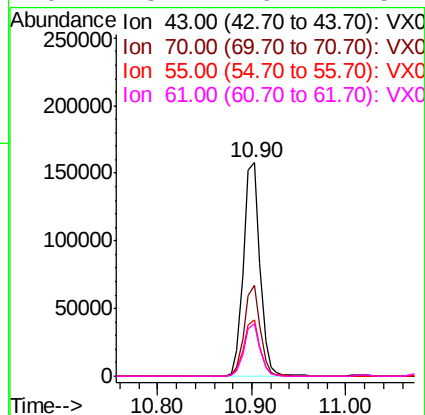
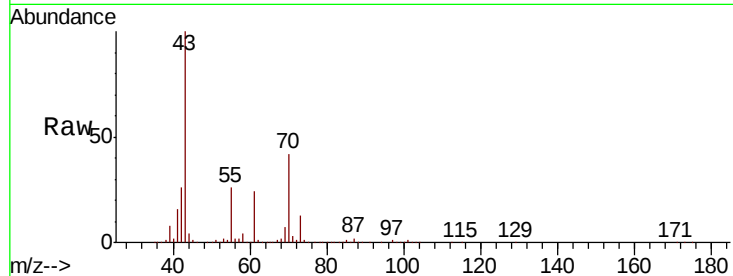
ClientSampleId :

SA-TW513-1014MSD

Tot Ion	43	Resp	194943
Ion Ratio	Lower	Upper	
43	100		
70	41.0	32.6	48.8
55	25.6	21.6	32.4
61	23.7	19.1	28.7

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#75

1,1,2,2-Tetrachloroethane

Concen: 49.761 ug/l

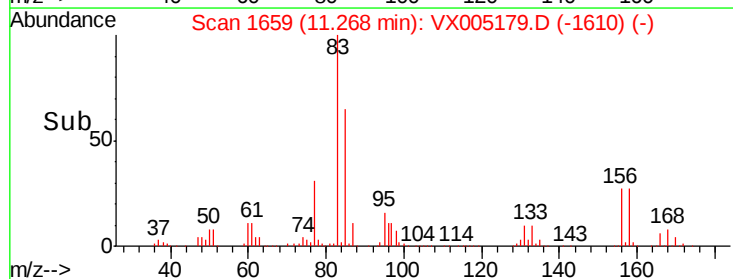
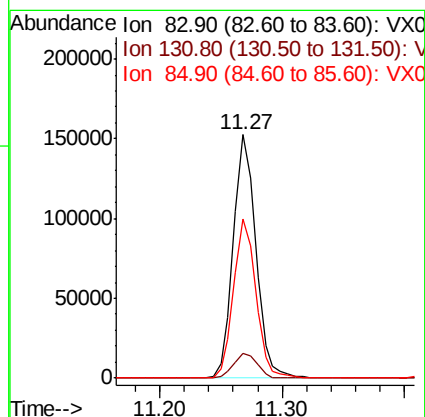
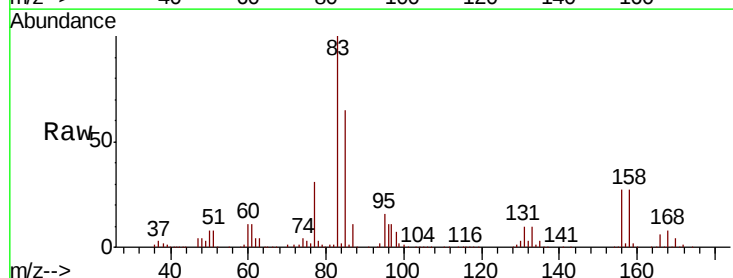
RT: 11.27 min Scan# 1659

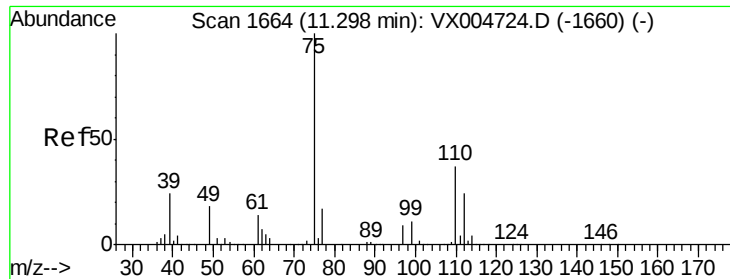
Delta R.T. 0.00 min

Lab File: VX005179.D

Acq: 10 Oct 2018 00:17

Tgt Ion	83	Resp	194035
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.1	15.3
85	65.0	31.9	95.9





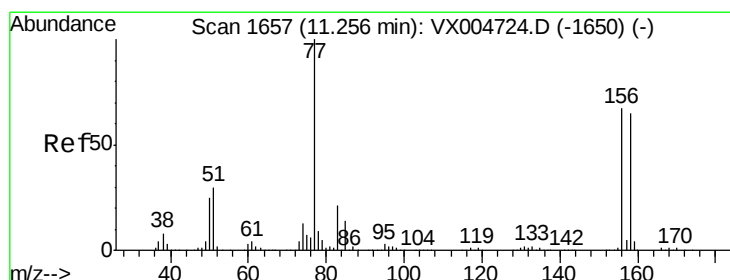
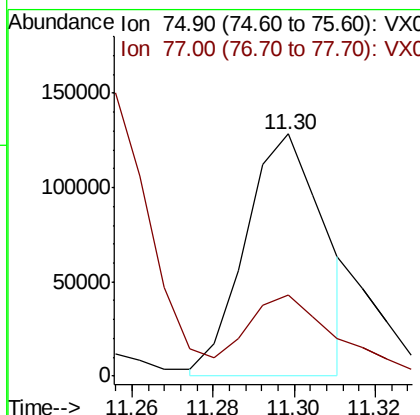
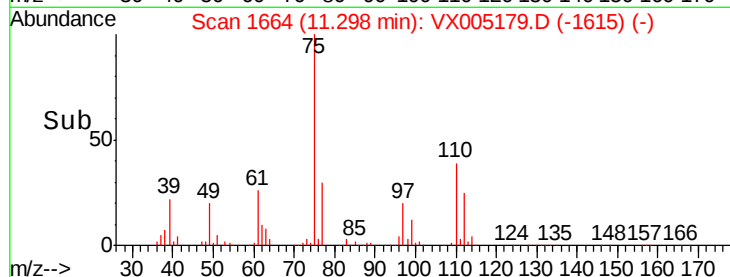
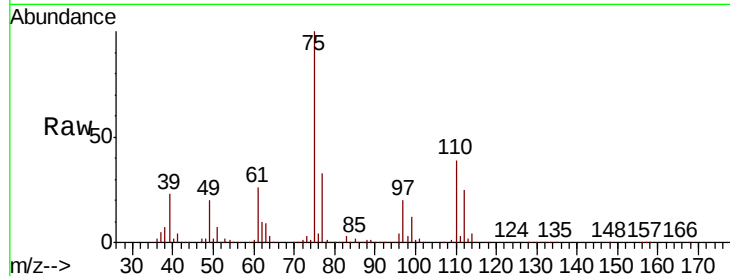
#76
1,2,3-Trichloropropane
Concen: 50.810 ug/l m
RT: 11.30 min Scan# 1664
Delta R.T. 0.00 min
Lab File: VX005179.D
Acq: 10 Oct 2018 00:17

Instrument :
MSVOA_X
ClientSampleId :
SA-TW513-1014MSD

Tot Ion: 75 Resp: 173074
Ion Ratio Lower Upper
75 100
77 38.2 21.4 64.3

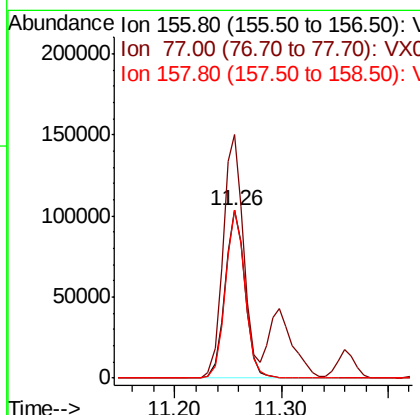
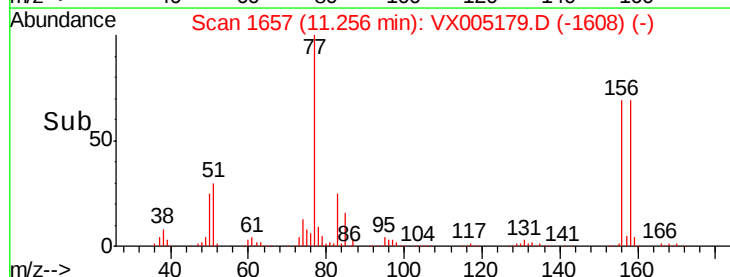
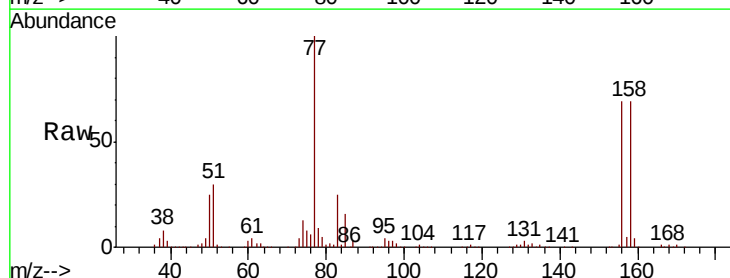
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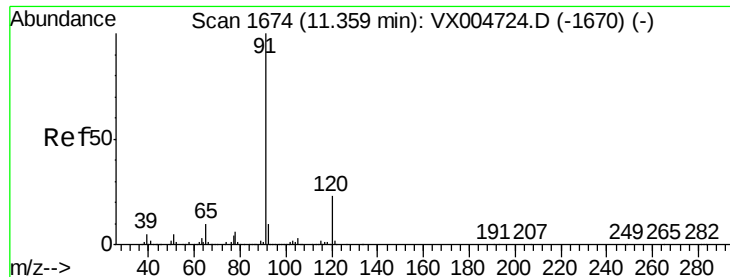
MMDadoda
10/10/2018 2:08:11 PM



#77
Bromobenzene
Concen: 48.842 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VX005179.D
Acq: 10 Oct 2018 00:17

Tgt Ion: 156 Resp: 135893
Ion Ratio Lower Upper
156 100
77 148.4 73.4 220.2
158 98.6 49.1 147.4





#78

n-propylbenzene

Concen: 46.589 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005179.D

Acq: 10 Oct 2018 00:17

Instrument :

MSVOA_X

ClientSampleId :

SA-TW513-1014MSD

Tot Ion: 91 Resp: 512050

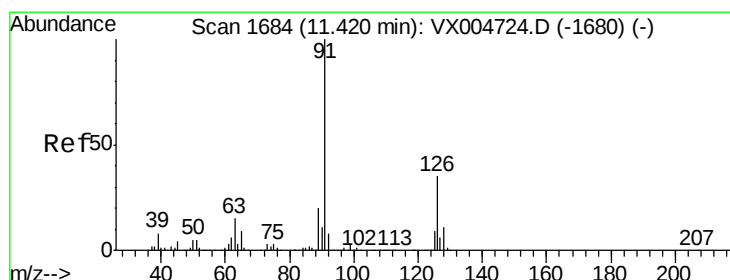
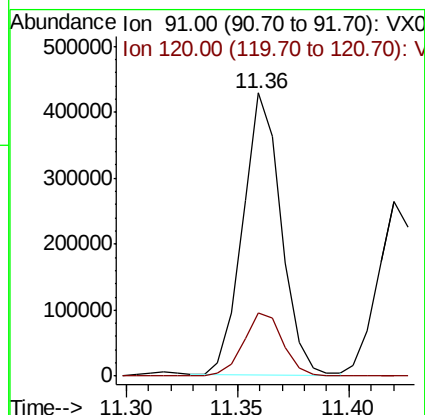
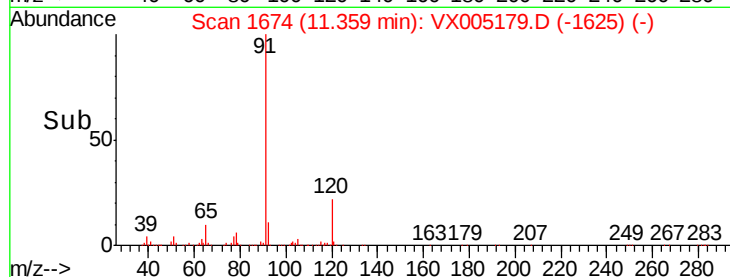
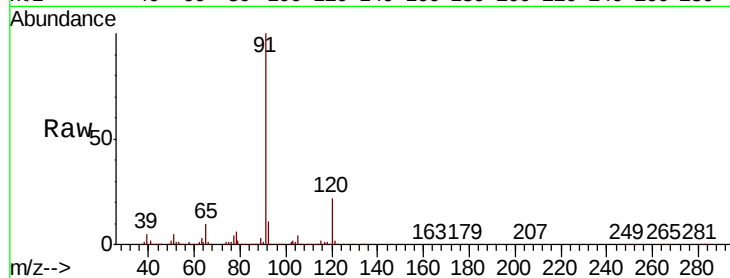
Ion Ratio Lower Upper

91 100

120 23.5 12.0 36.0

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#79

2-Chlorotoluene

Concen: 48.162 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX005179.D

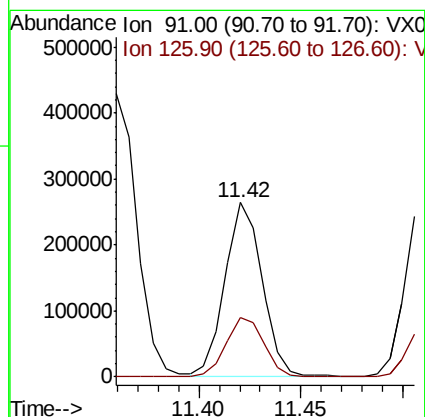
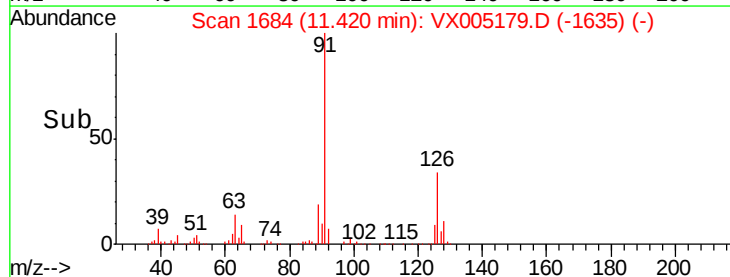
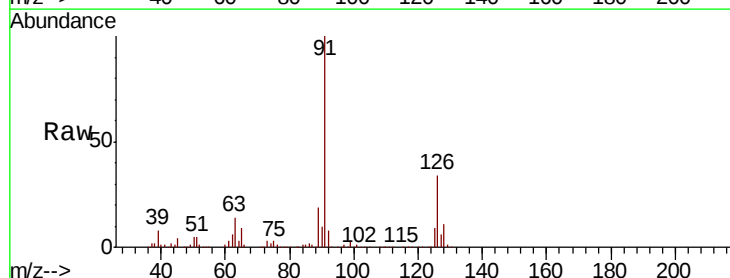
Acq: 10 Oct 2018 00:17

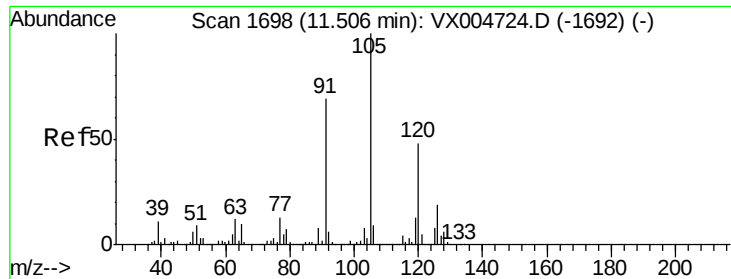
Tgt Ion: 91 Resp: 329945

Ion Ratio Lower Upper

91 100

126 35.2 17.6 52.9





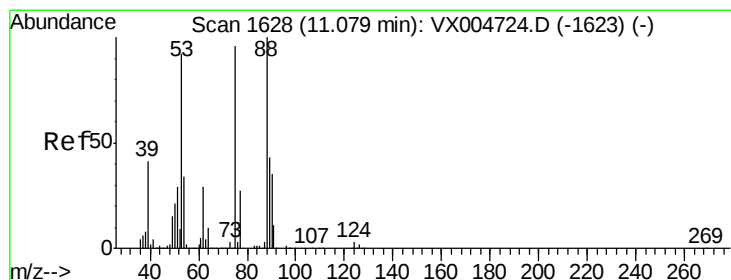
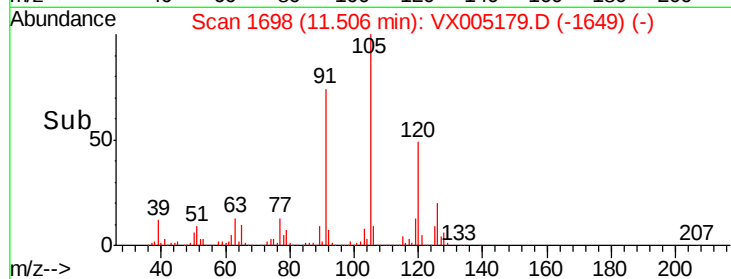
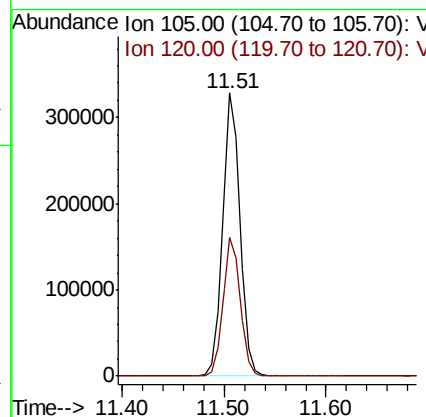
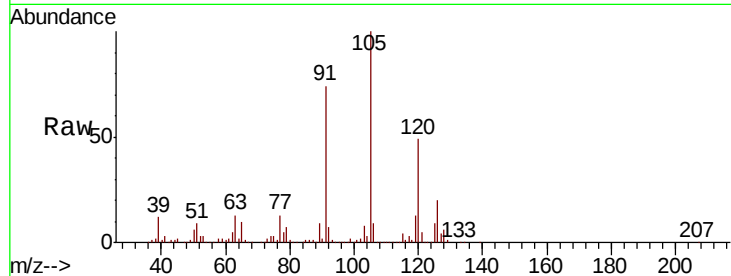
#80
 1,3,5-Trimethylbenzene
 Concen: 44.964 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX005179.D
 Acq: 10 Oct 2018 00:17

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW513-1014MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.8	24.3	72.8

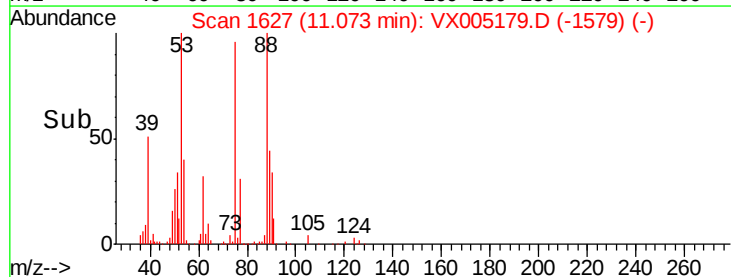
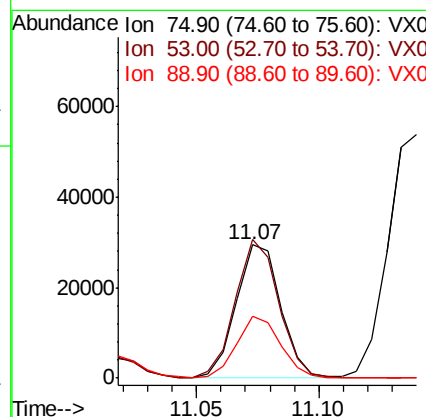
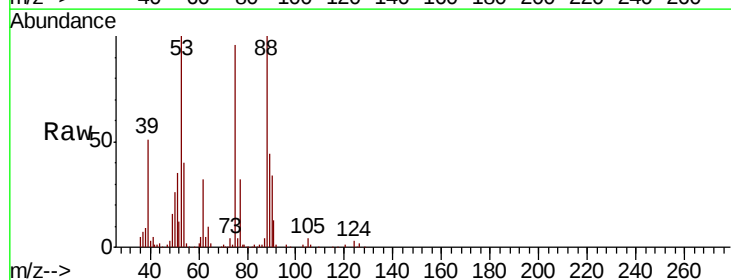
Manual Integrations
 APPROVED

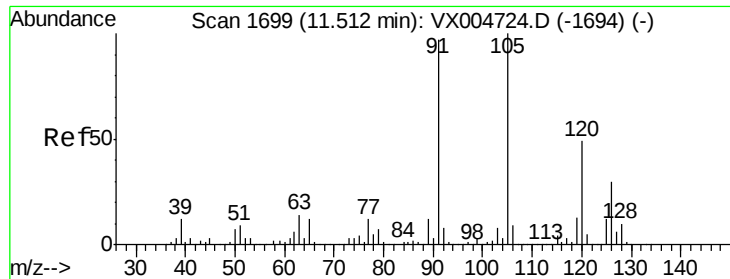
MMDadoda
 10/10/2018 2:08:11 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 30.673 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. -0.01 min
 Lab File: VX005179.D
 Acq: 10 Oct 2018 00:17

Tgt Ion	Ratio	Lower	Upper
75	100		
53	101.3	80.2	120.4
89	45.7	37.1	55.7





#82

4-Chlorotoluene

Concen: 48.196 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX005179.D

Acq: 10 Oct 2018 00:17

Instrument :

MSVOA_X

ClientSampleId :

SA-TW513-1014MSD

Tot Ion: 91 Resp: 388639

Ion Ratio Lower Upper

91 100

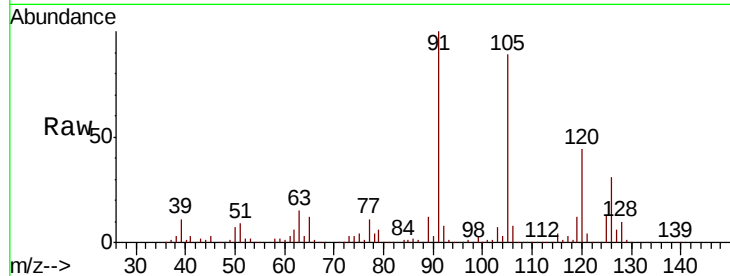
126 30.7 15.5 46.5

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX004724.D (-1694) (-)

Ion 125.90 (125.60 to 126.60): VX004724.D (-1694) (-)

11.51

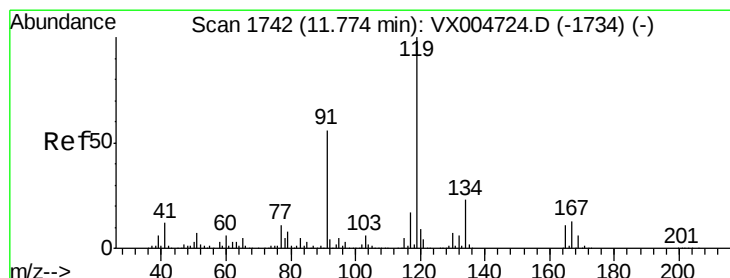
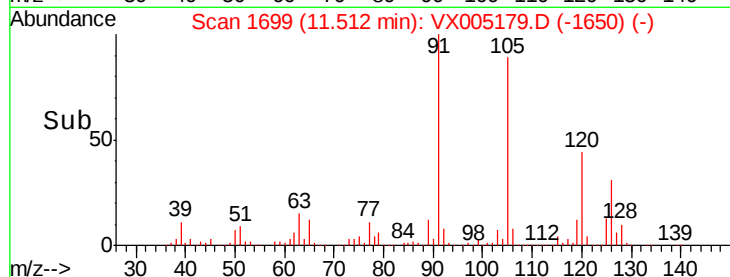
300000

200000

100000

0

Time-->



#83

tert-Butylbenzene

Concen: 50.372 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX005179.D

Acq: 10 Oct 2018 00:17

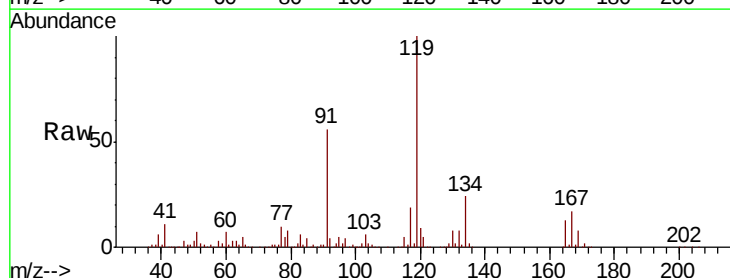
Tgt Ion: 119 Resp: 397268

Ion Ratio Lower Upper

119 100

91 54.8 27.5 82.5

134 22.5 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): VX004724.D (-1734) (-)

Ion 91.00 (90.70 to 91.70): VX004724.D (-1734) (-)

Ion 134.00 (133.70 to 134.70): VX004724.D (-1734) (-)

11.77

400000

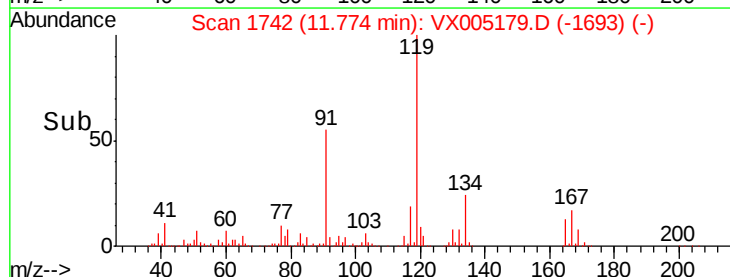
300000

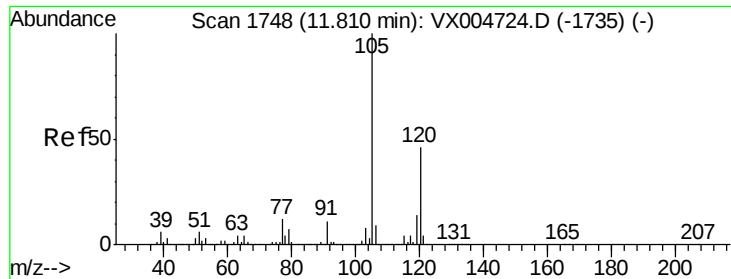
200000

100000

0

Time-->





#84

1,2,4-Trimethylbenzene

Concen: 45.598 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.00 min

Lab File: VX005179.D

Acq: 10 Oct 2018 00:17

Instrument :

MSVOA_X

ClientSampleId :

SA-TW513-1014MSD

Tot Ion:105 Resp: 413010

Ion Ratio Lower Upper

105 100

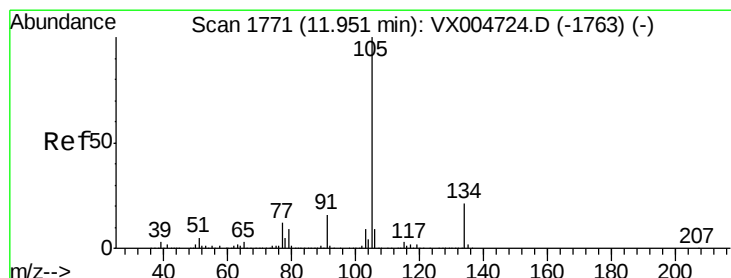
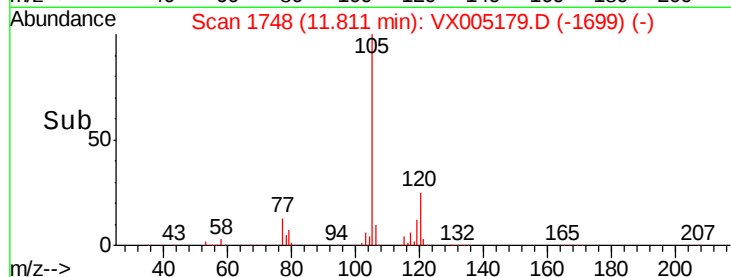
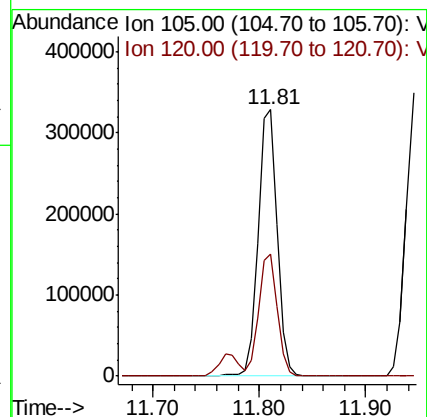
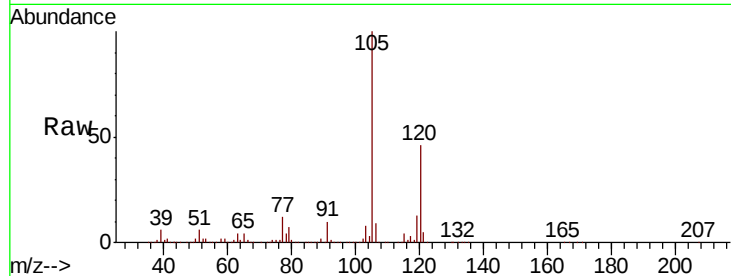
120 44.6 22.8 68.3

Manual Integrations

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#85

sec-Butylbenzene

Concen: 45.458 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX005179.D

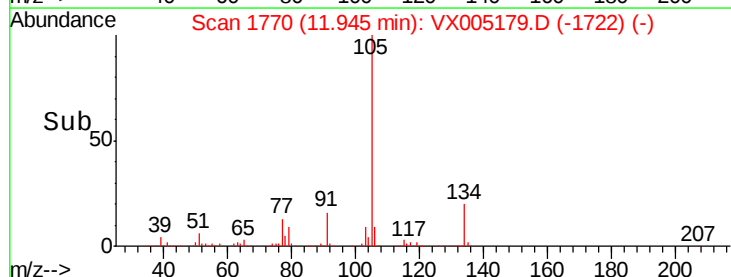
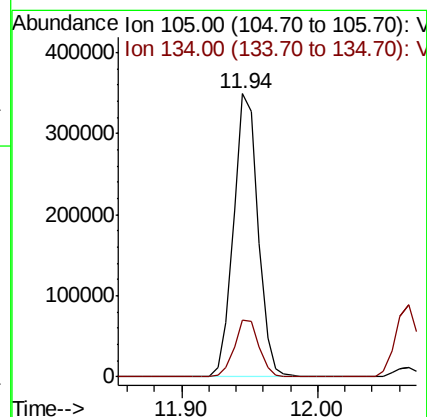
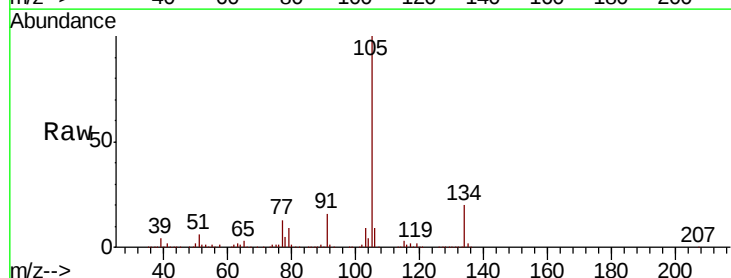
Acq: 10 Oct 2018 00:17

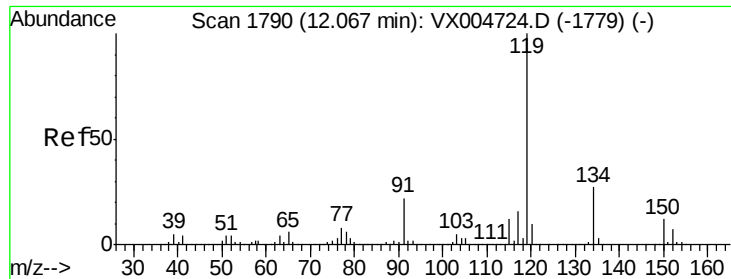
Tgt Ion:105 Resp: 436685

Ion Ratio Lower Upper

105 100

134 20.3 10.2 30.4





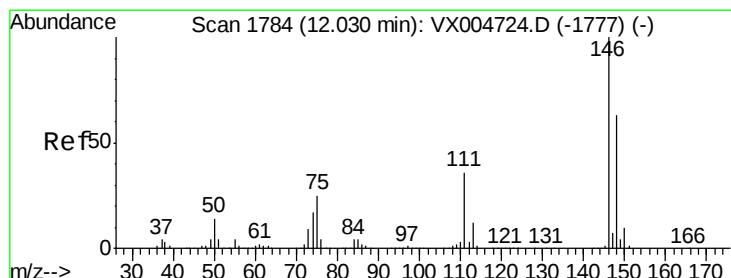
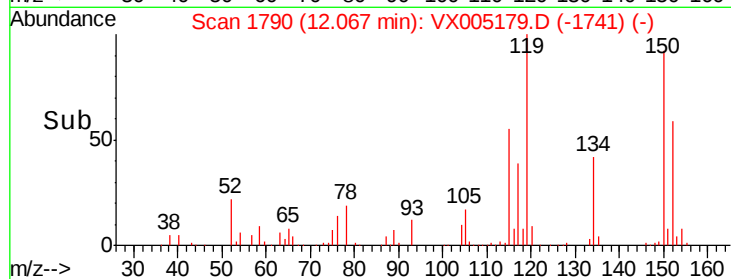
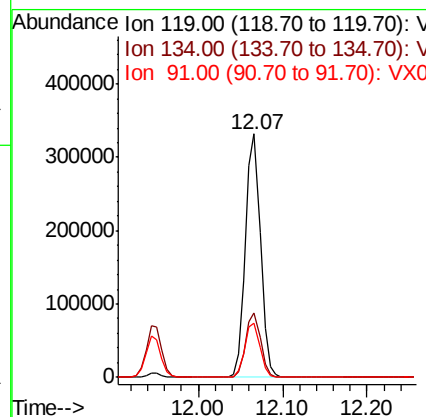
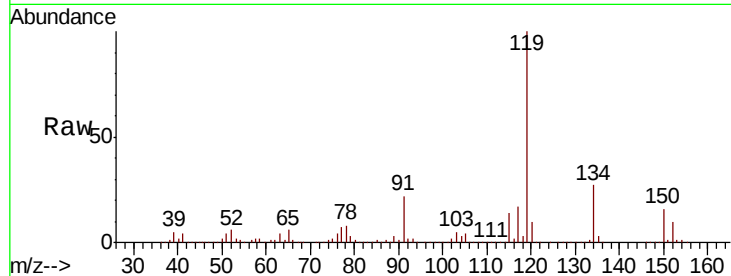
#86
 p-Isopropyltoluene
 Concen: 45.177 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX005179.D
 Acq: 10 Oct 2018 00:17

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW513-1014MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	393195		
134	26.4		13.4	40.1
91	22.7		11.5	34.4

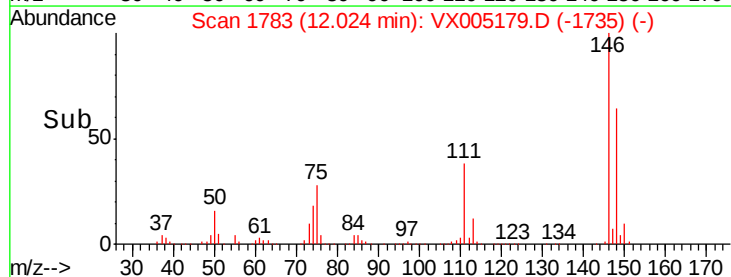
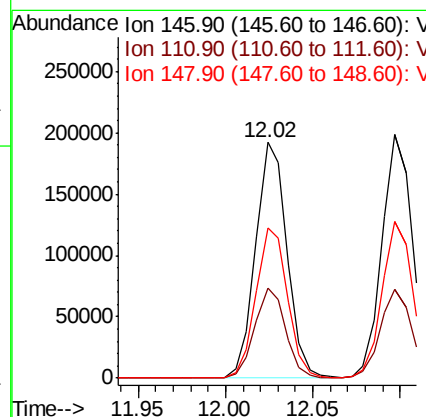
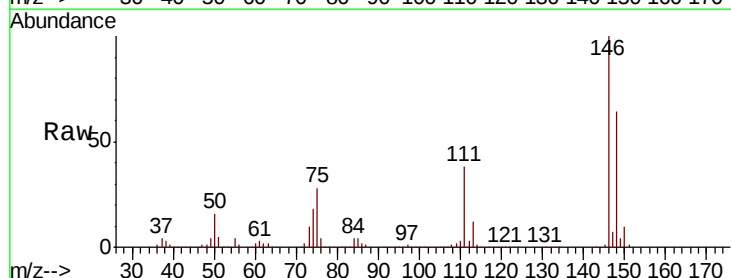
Manual Integrations
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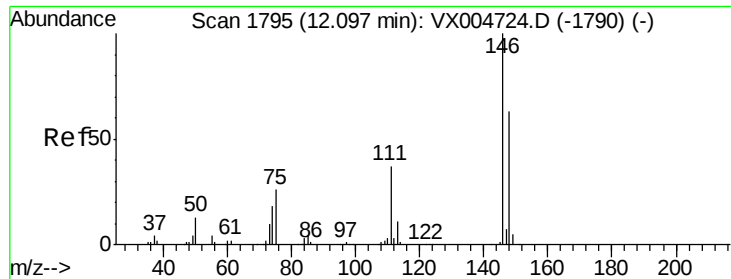
MMDadoda
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#87
 1,3-Dichlorobenzene
 Concen: 46.531 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX005179.D
 Acq: 10 Oct 2018 00:17

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	241744		
111	37.6		18.9	56.9
148	64.2		31.8	95.3





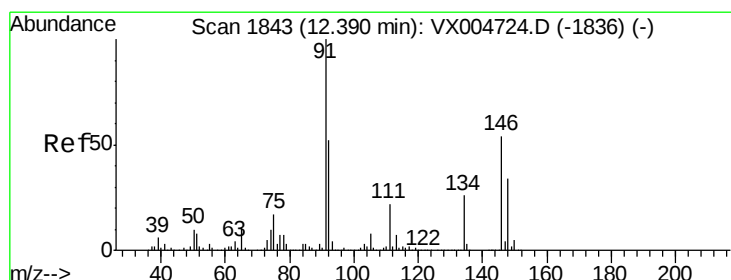
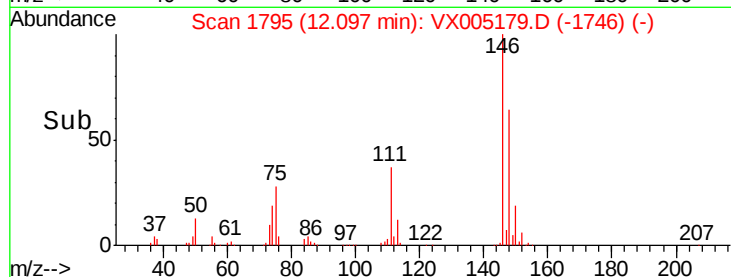
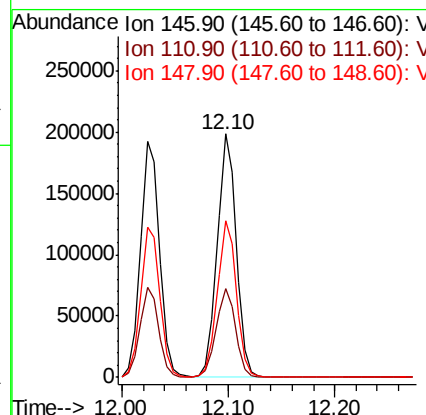
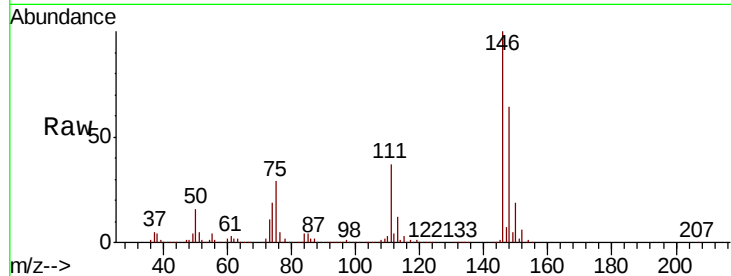
#88
 1,4-Dichlorobenzene
 Concen: 45.283 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX005179.D
 Acq: 10 Oct 2018 00:17

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW513-1014MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.4	55.2
148	64.7	32.0	96.0

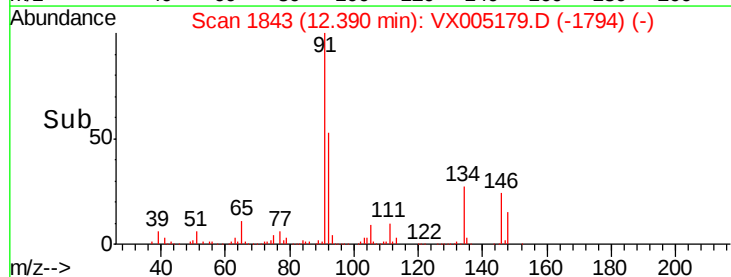
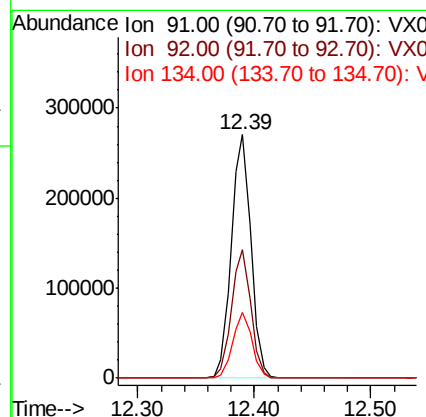
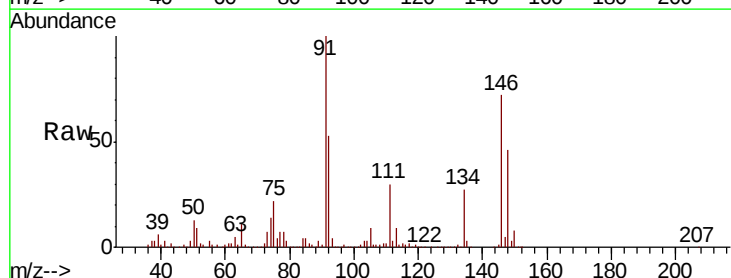
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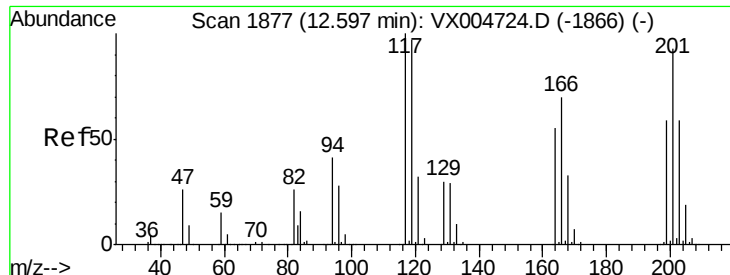
MMDadoda
 10/10/2018 2:08:11 PM



#89
 n-Butylbenzene
 Concen: 39.939 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX005179.D
 Acq: 10 Oct 2018 00:17

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.0	78.0
134	26.5	13.2	39.6





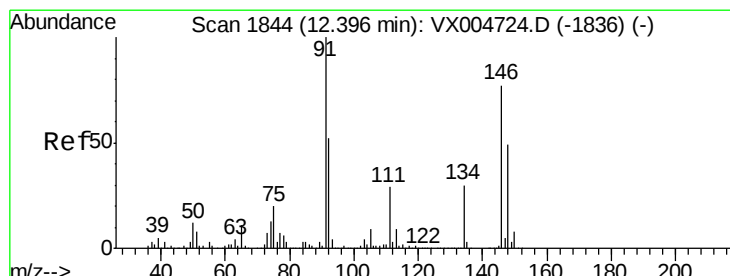
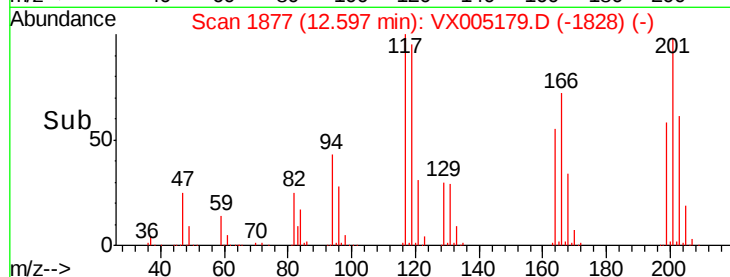
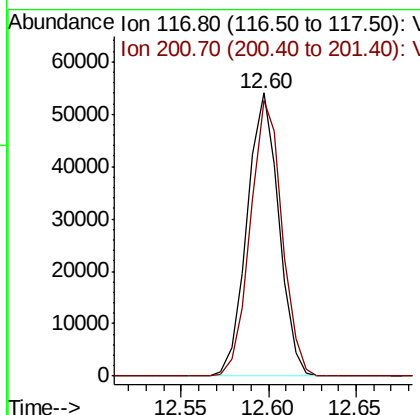
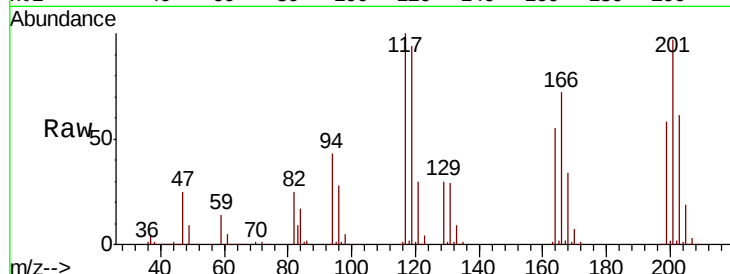
#90
Hexachloroethane
Concen: 46.924 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005179.D
Acq: 10 Oct 2018 00:17

Instrument :
MSVOA_X
ClientSampleId :
SA-TW513-1014MSD

Tot Ion:117 Resp: 67997
Ion Ratio Lower Upper
117 100
201 97.4 48.4 145.0

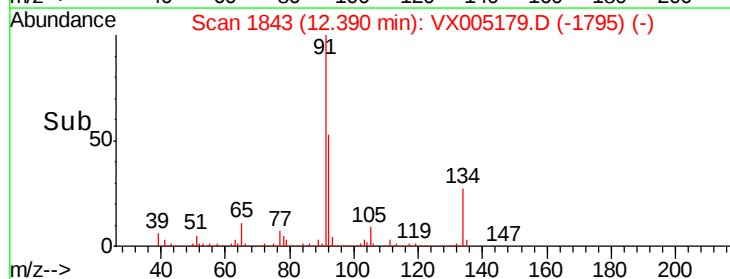
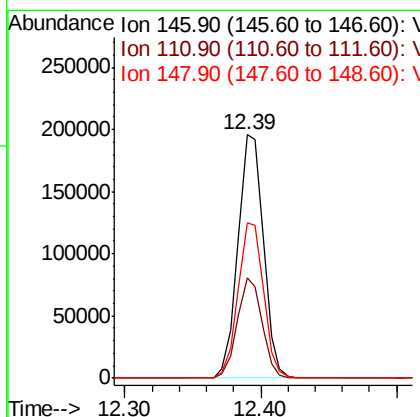
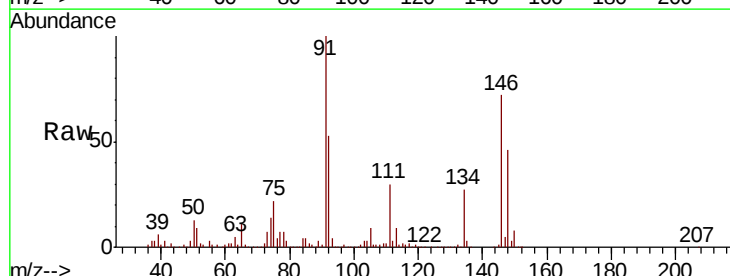
Manual Integrations
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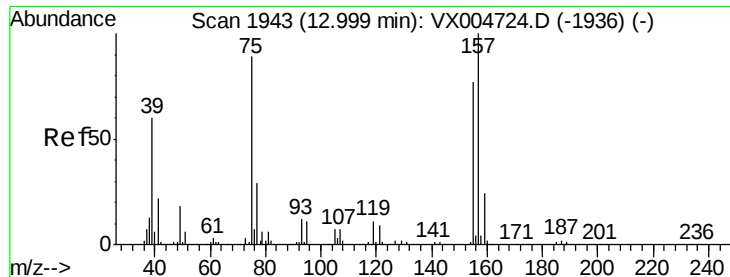
MMDadoda
10/10/2018 2:08:11 PM



#91
1,2-Dichlorobenzene
Concen: 46.991 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.01 min
Lab File: VX005179.D
Acq: 10 Oct 2018 00:17

Tgt Ion:146 Resp: 255135
Ion Ratio Lower Upper
146 100
111 39.9 19.6 58.7
148 64.0 31.8 95.4





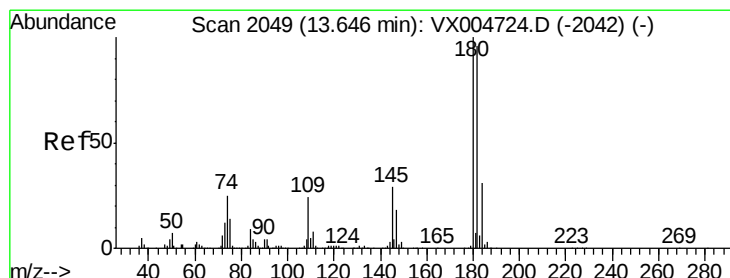
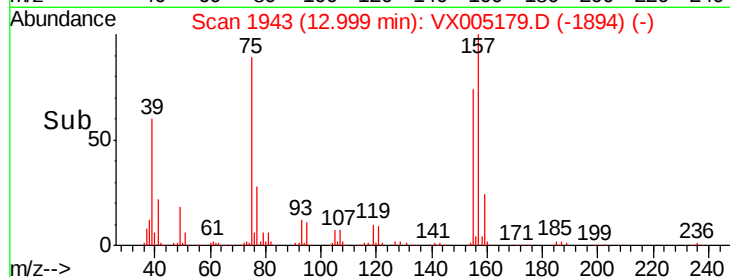
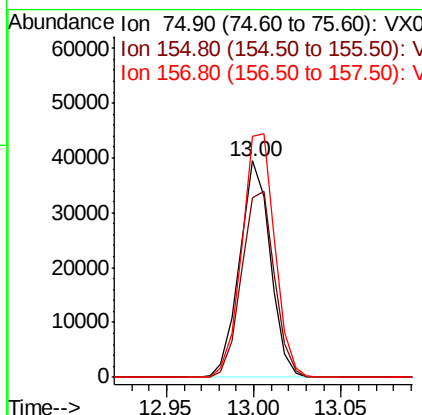
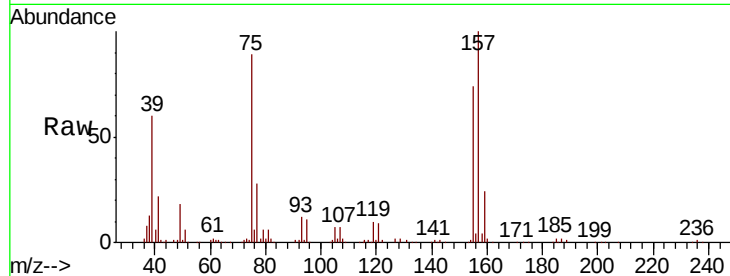
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.544 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX005179.D
 Acq: 10 Oct 2018 00:17

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW513-1014MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	91.4	46.1	138.3
157	119.5	60.2	180.6

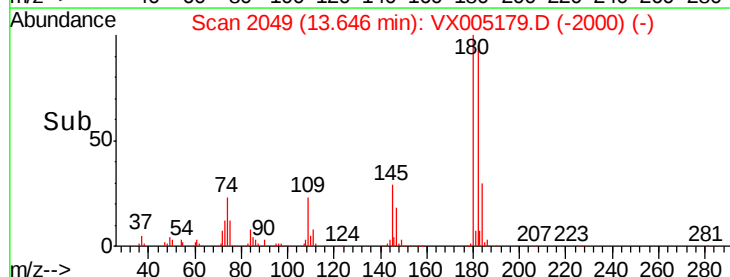
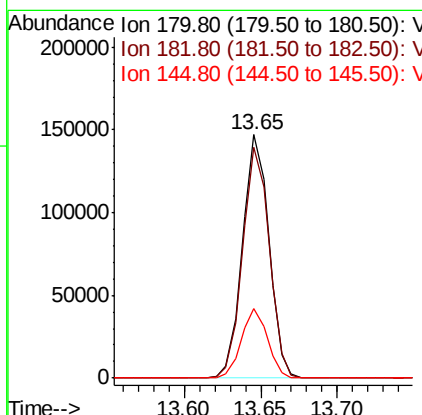
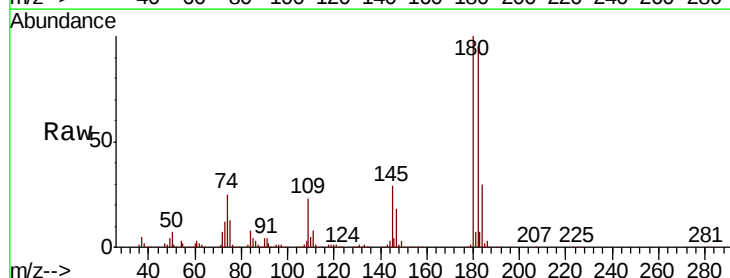
Manual Integrations
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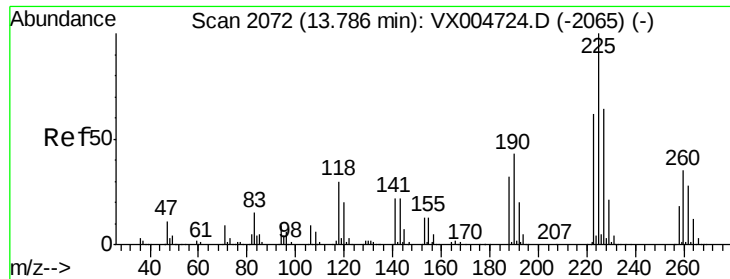
MMDadoda
 10/10/2018 2:08:11 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 46.387 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005179.D
 Acq: 10 Oct 2018 00:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.8	143.4
145	28.4	14.1	42.4





#94

Hexachlorobutadiene

Concen: 35.560 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.01 min

Lab File: VX005179.D

Acq: 10 Oct 2018 00:17

Instrument :

MSVOA_X

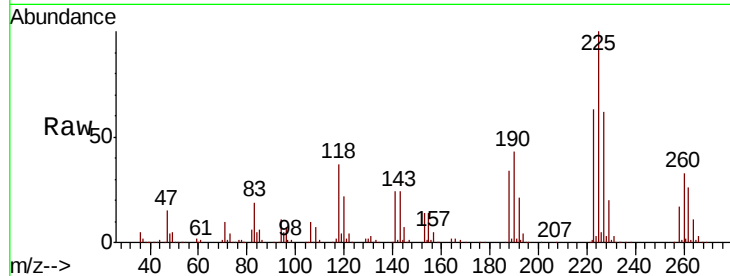
ClientSampleId :

SA-TW513-1014MSD

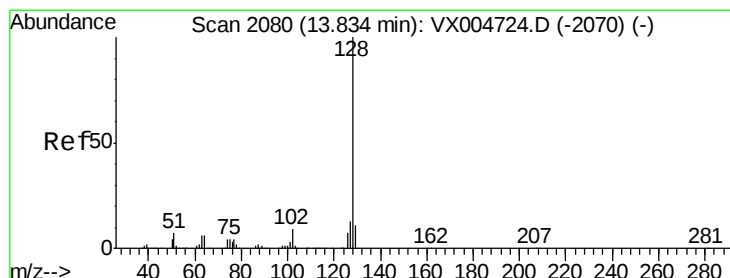
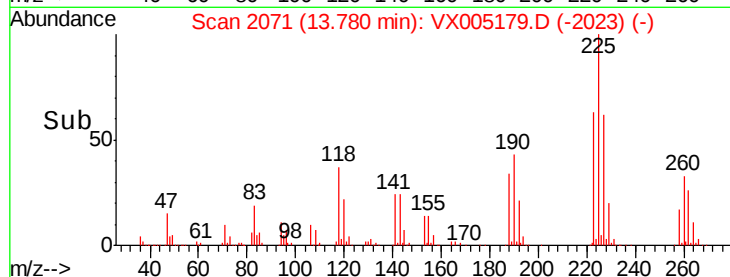
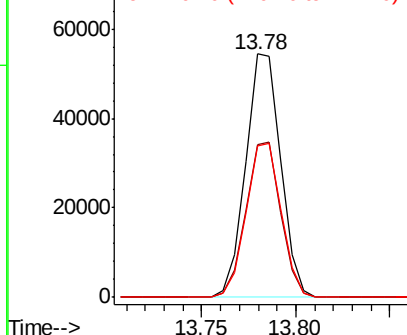
Tot Ion:	225	Resp:	70230
Ion Ratio	Lower	Upper	
225	100		
223	63.2	31.3	93.8
227	63.4	31.9	95.5

Manual Integrations
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MMDadoda
10/10/2018 2:08:11 PM



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



#95

Naphthalene

Concen: 49.973 ug/l

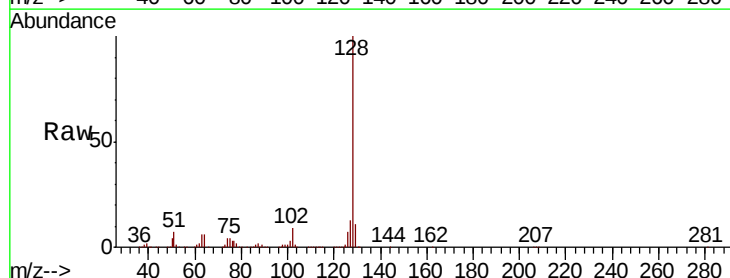
RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

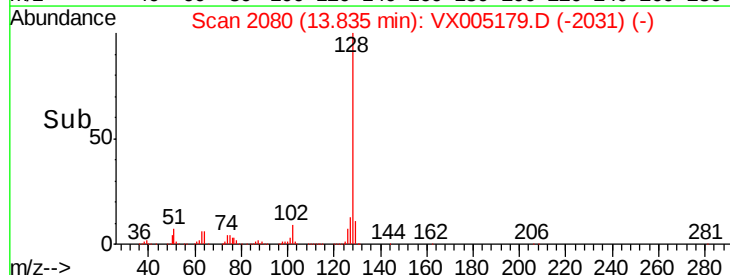
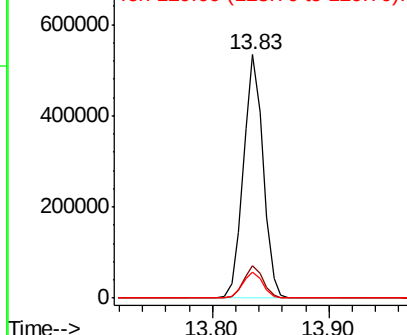
Lab File: VX005179.D

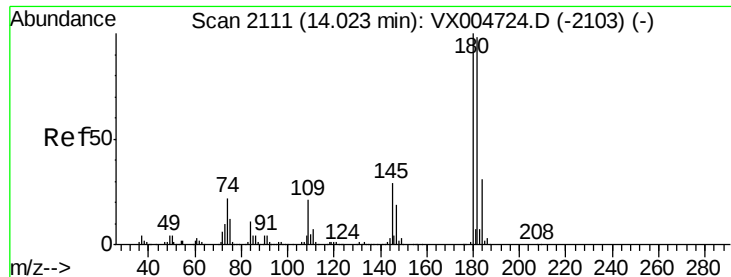
Acq: 10 Oct 2018 00:17

Tgt Ion:	128	Resp:	631716
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	11.0	8.7	13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





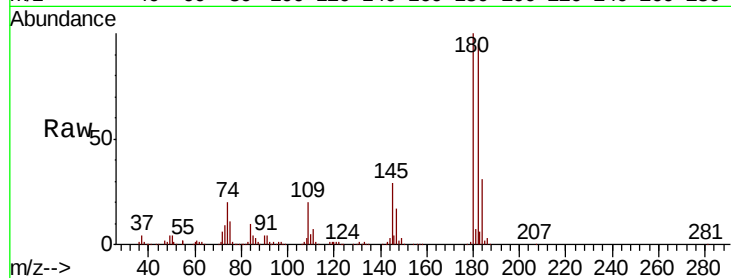
#96
 1,2,3-Trichlorobenzene
 Concen: 49.434 ug/l
 RT: 14.02 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VX005179.D
 Acq: 10 Oct 2018 00:17

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW513-1014MSD

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	95.3	47.9	143.8
145	29.4	15.0	45.0

Manual Integrations
 APPROVED

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 10/10/2018 2:08:11 PM



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

