

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX073019\
 Data File : VX011218.D
 Acq On : 31 Jul 2019 01:04
 Operator : JC/SP
 Sample : VX0730WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0730WBSD02

Manual Integrations
 APPROVED

MMDadoda
 7/31/2019 10:56:02 AM

Quant Time: Jul 31 09:33:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	182623	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	270551	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	250171	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	129650	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	104466	53.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.54%	
35) Dibromofluoromethane	5.49	113	92585	53.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.82%	
50) Toluene-d8	8.71	98	341770	53.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.12%	
62) 4-Bromofluorobenzene	11.13	95	128037	54.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	34297	17.966	ug/l	98
3) Chloromethane	1.33	50	30950	18.429	ug/l	99
4) Vinyl Chloride	1.41	62	33518	19.567	ug/l	98
5) Bromomethane	1.64	94	19750	20.460	ug/l	94
6) Chloroethane	1.72	64	23873	21.930	ug/l	92
7) Trichlorofluoromethane	1.93	101	59482	20.514	ug/l	100
8) Diethyl Ether	2.19	74	20180	20.199	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	32593	19.686	ug/l	98
10) Methyl Iodide	2.51	142	34624	15.936	ug/l	99
11) Tert butyl alcohol	3.04	59	52785	116.660	ug/l	98
12) 1,1-Dichloroethene	2.37	96	31661	19.464	ug/l	95
13) Acrolein	2.29	56	15208	58.175	ug/l	98
14) Allyl chloride	2.73	41	44557	18.858	ug/l	100
15) Acrylonitrile	3.14	53	96171	105.186	ug/l	99
16) Acetone	2.45	43	81975	93.421	ug/l	98
17) Carbon Disulfide	2.57	76	64305	15.411	ug/l	100
18) Methyl Acetate	2.78	43	46708	23.377	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	108140	20.651	ug/l	99
20) Methylene Chloride	2.85	84	35833	19.270	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	32811	19.010	ug/l	92
22) Diisopropyl ether	3.85	45	102195	20.507	ug/l	99
23) Vinyl Acetate	3.81	43	416126	98.554	ug/l	98
24) 1,1-Dichloroethane	3.70	63	58502	20.214	ug/l	97
25) 2-Butanone	4.67	43	130944	103.956	ug/l	98
26) 2,2-Dichloropropane	4.58	77	32725	13.772	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	38896	19.472	ug/l	96
28) Bromochloromethane	5.01	49	26546	19.465	ug/l	97
29) Tetrahydrofuran	5.13	42	83660	104.852	ug/l	100
30) Chloroform	5.21	83	64199	20.523	ug/l	98
31) Cyclohexane	5.58	56	49171	18.640	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	54778	20.241	ug/l	99
36) 1,1-Dichloropropene	5.80	75	43911	19.759	ug/l	99
37) Ethyl Acetate	4.83	43	46535	20.450	ug/l	96
38) Carbon Tetrachloride	5.79	117	46672	20.154	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	51872	17.999	ug/l	98
40) Benzene	6.15	78	138560	20.354	ug/l	96
41) Methacrylonitrile	5.04	41	27162	21.026	ug/l	97
42) 1,2-Dichloroethane	6.20	62	50445	21.312	ug/l	99
43) Isopropyl Acetate	6.44	43	76923	20.558	ug/l	99
44) Trichloroethene	7.21	130	39828	19.765	ug/l	99
45) 1,2-Dichloropropane	7.51	63	36052	20.808	ug/l	99
46) Dibromomethane	7.66	93	25482	20.582	ug/l	99
47) Bromodichloromethane	7.90	83	44713	20.288	ug/l	97
48) Methyl methacrylate	7.77	41	37983	20.838	ug/l	96
49) 1,4-Dioxane	7.74	88	22708	445.358	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	265437	109.433	ug/l	100
52) Toluene	8.78	92	89127	19.930	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	43741	18.458	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	49917	18.930	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	38443	20.878	ug/l	100
56) Ethyl methacrylate	9.18	69	56302	20.903	ug/l	99
57) 1,3-Dichloropropane	9.37	76	60445	20.693	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.31	63	133331	103.700	ug/l	99
59) 2-Hexanone	9.49	43	205398	109.178	ug/l	99
60) Dibromochloromethane	9.58	129	38151	19.621	ug/l	100
61) 1,2-Dibromoethane	9.67	107	40387	20.667	ug/l	99
64) Tetrachloroethene	9.34	164	40608	20.634	ug/l	95
65) Chlorobenzene	10.13	112	102700	19.987	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	36791	20.373	ug/l	99
67) Ethyl Benzene	10.25	91	174408	19.941	ug/l	99
68) m/p-Xylenes	10.35	106	133661	39.841	ug/l	100
69) o-Xylene	10.69	106	64872	19.813	ug/l	98
70) Styrene	10.71	104	110585	20.261	ug/l	99
71) Bromoform	10.85	173	27032	18.151	ug/l #	99
73) Isopropylbenzene	11.02	105	178761	20.405	ug/l	99
74) N-amyl acetate	10.90	43	67861	20.273	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	61830	21.567	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	50620m	21.636	ug/l	
77) Bromobenzene	11.25	156	48239	19.963	ug/l	99
78) n-propylbenzene	11.36	91	196993	20.351	ug/l	100
79) 2-Chlorotoluene	11.42	91	119259	20.510	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	151082	20.639	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	13176	17.112	ug/l	90
82) 4-Chlorotoluene	11.51	91	138681	20.492	ug/l	100
83) tert-Butylbenzene	11.77	119	147853	20.563	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	151622	20.550	ug/l	99
85) sec-Butylbenzene	11.94	105	173669	20.613	ug/l	100
86) p-Isopropyltoluene	12.06	119	159525	20.481	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	85104	20.294	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	86640	20.145	ug/l	98
89) n-Butylbenzene	12.38	91	133904	20.095	ug/l	100
90) Hexachloroethane	12.60	117	23078	18.785	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	87589	21.075	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	12824	21.399	ug/l	94

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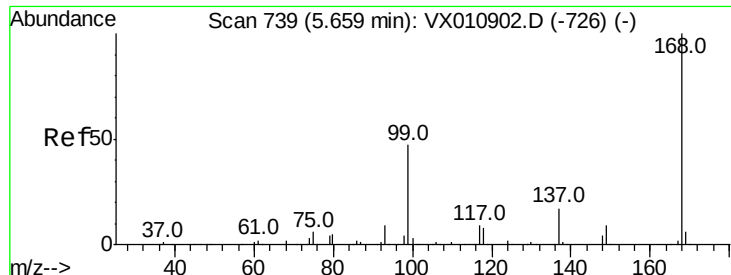
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	59104	20.984	ug/l	99
94) Hexachlorobutadiene	13.78	225	27894	19.985	ug/l	99
95) Naphthalene	13.83	128	184669	22.203	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	60212	21.485	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX011218.D

Acq: 31 Jul 2019 01:04

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBSD02

Tot Ion:168 Resp: 182623

Ion Ratio Lower Upper

168 100

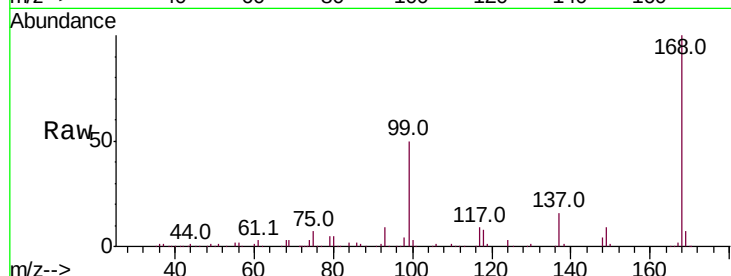
99 50.2 37.6 56.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

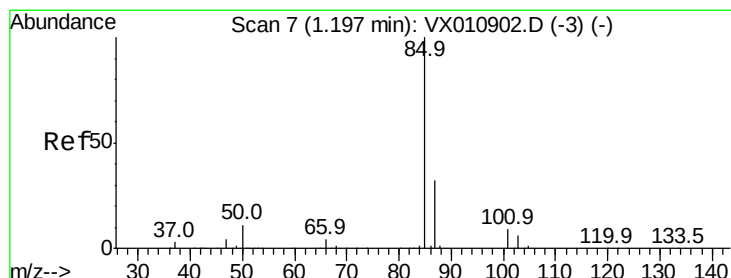
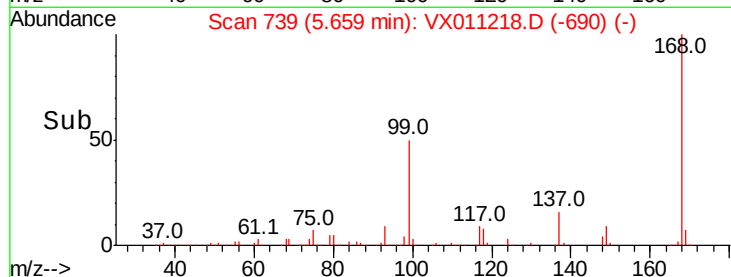
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.966 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX011218.D

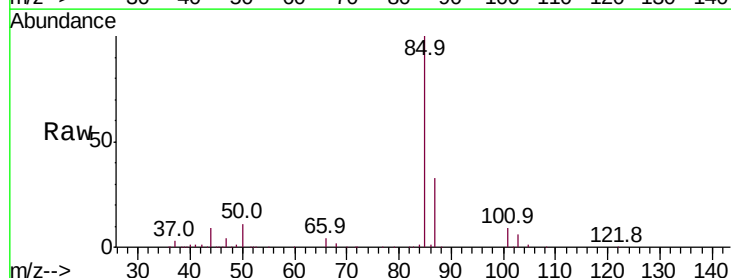
Acq: 31 Jul 2019 01:04

Tgt Ion: 85 Resp: 34297

Ion Ratio Lower Upper

85 100

87 32.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

30000

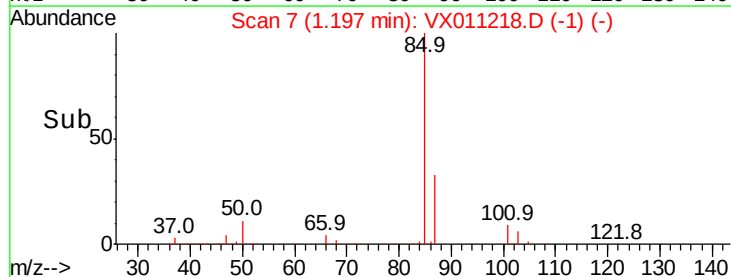
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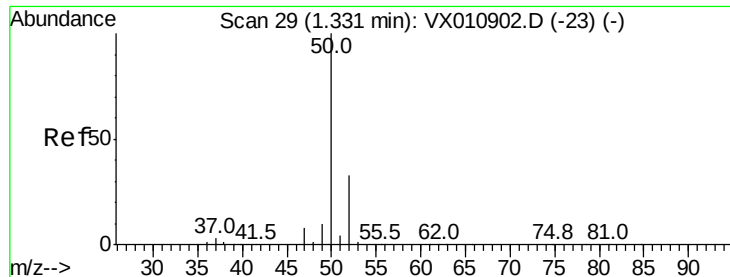
10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 18.429 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX011218.D

Acq: 31 Jul 2019 01:04

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBSD02

Tot Ion: 50 Resp: 30950

Ion Ratio Lower Upper

50 100

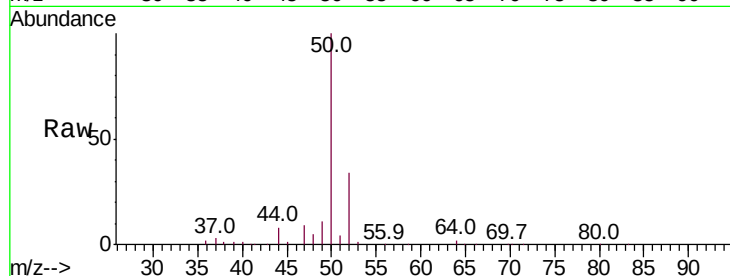
52 33.3 26.4 39.6

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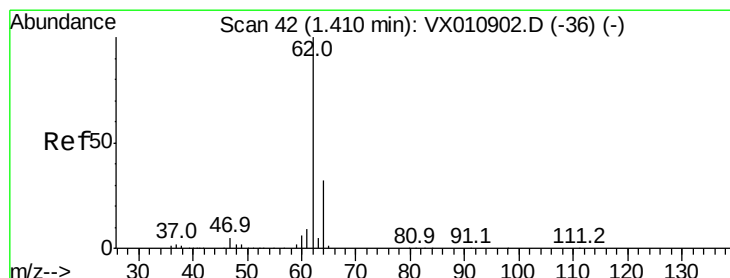
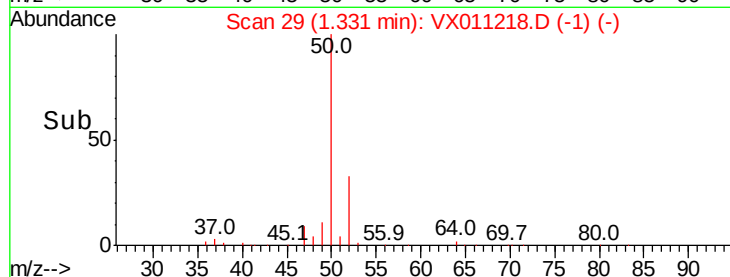
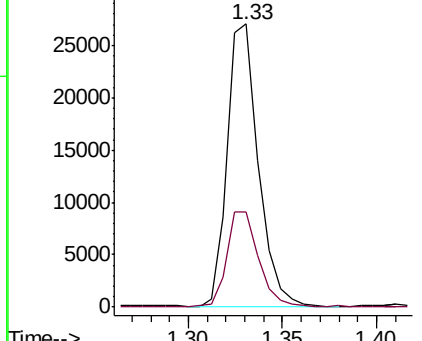
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.567 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX011218.D

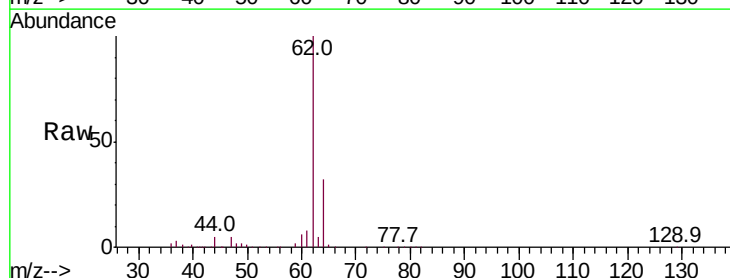
Acq: 31 Jul 2019 01:04

Tgt Ion: 62 Resp: 33518

Ion Ratio Lower Upper

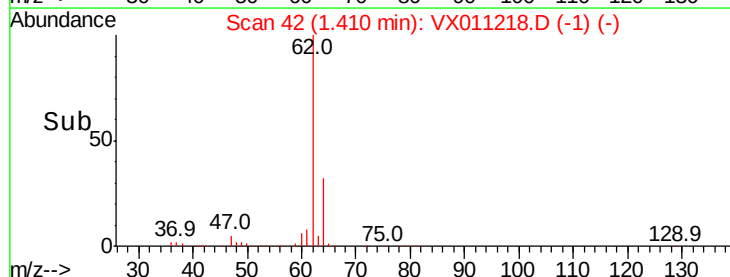
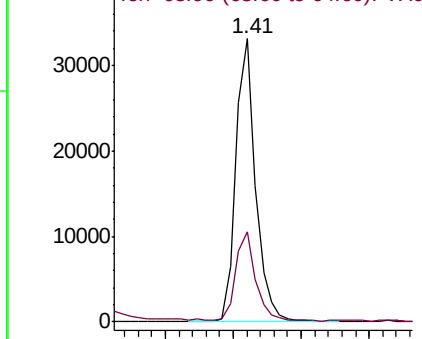
62 100

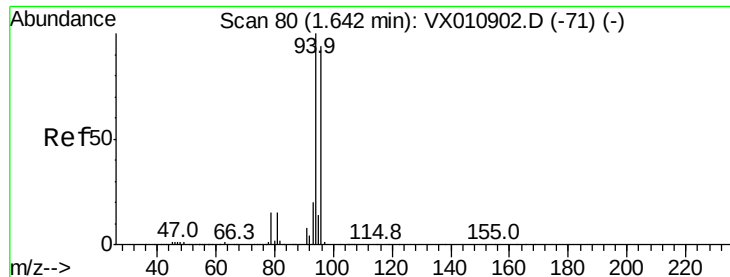
64 31.2 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.460 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX011218.D

Acq: 31 Jul 2019 01:04

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBSD02

Tot Ion: 94 Resp: 19750

Ion Ratio Lower Upper

94 100

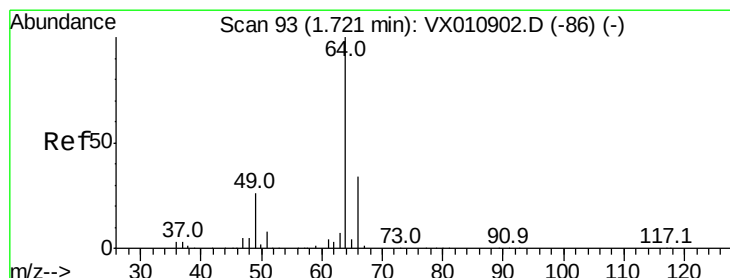
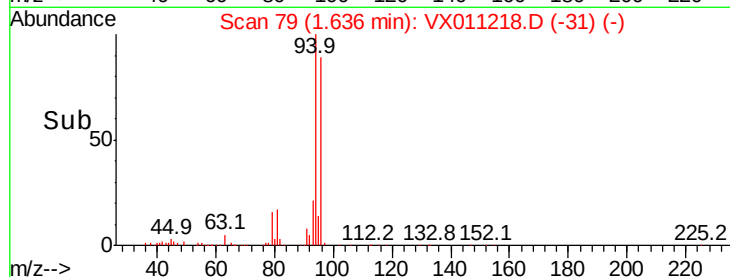
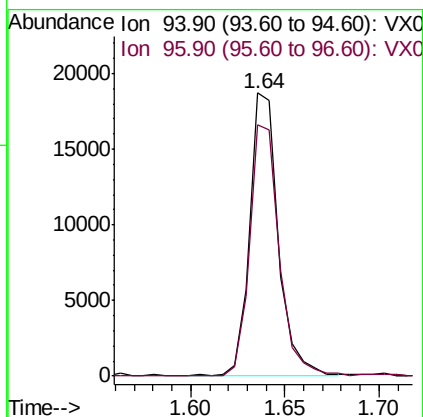
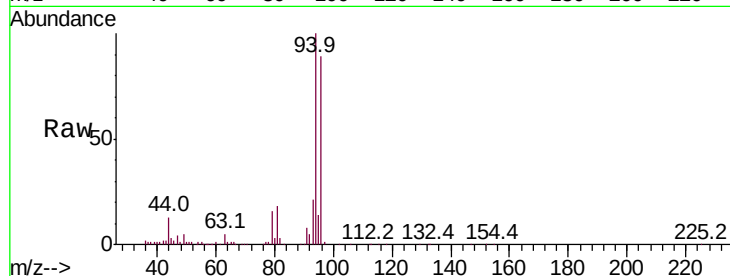
96 88.9 75.6 113.4

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#6

Chloroethane

Concen: 21.930 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX011218.D

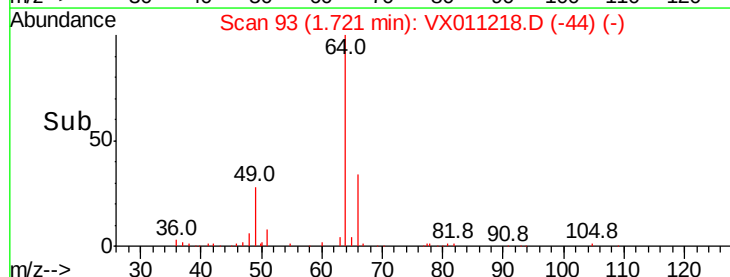
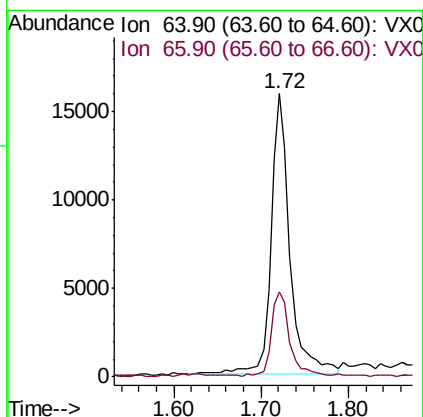
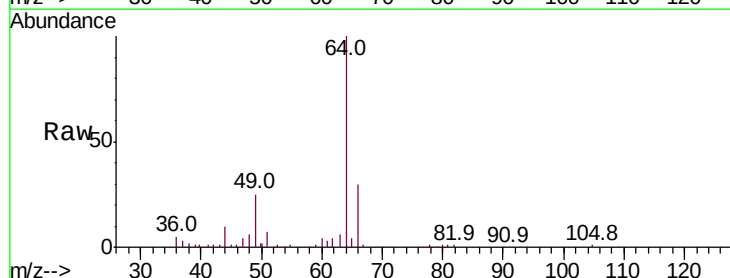
Acq: 31 Jul 2019 01:04

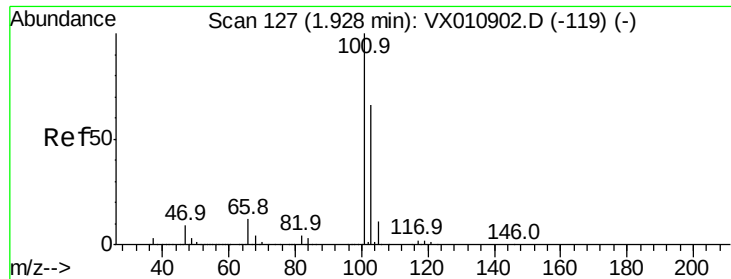
Tgt Ion: 64 Resp: 23873

Ion Ratio Lower Upper

64 100

66 29.4 27.0 40.6





#7

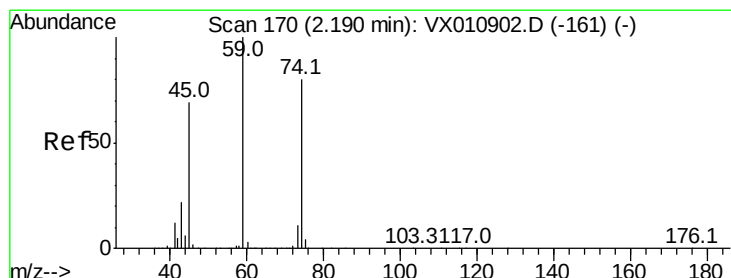
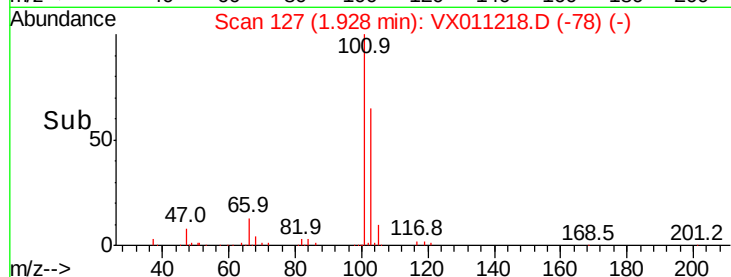
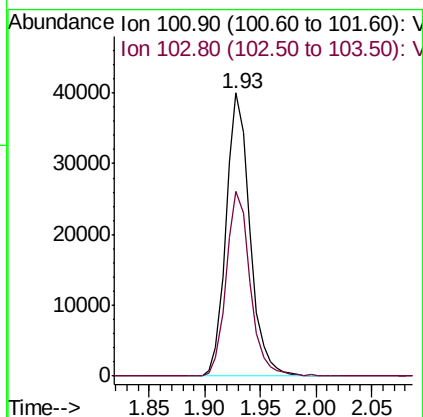
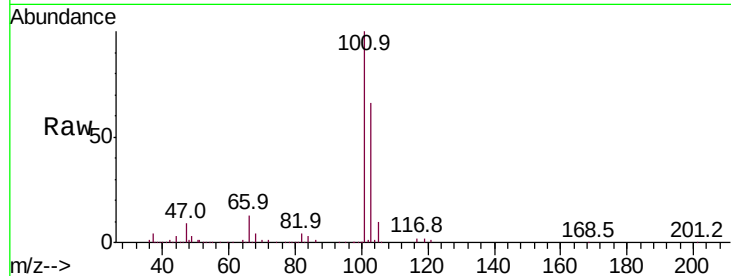
Trichlorofluoromethane
Concen: 20.514 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX011218.D
Acq: 31 Jul 2019 01:04

Instrument :
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ClientSampleId :
VX0730WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.6	78.8

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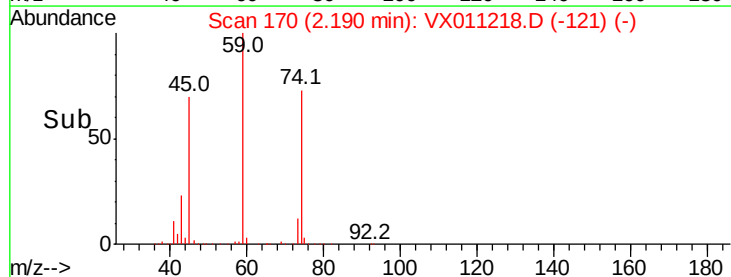
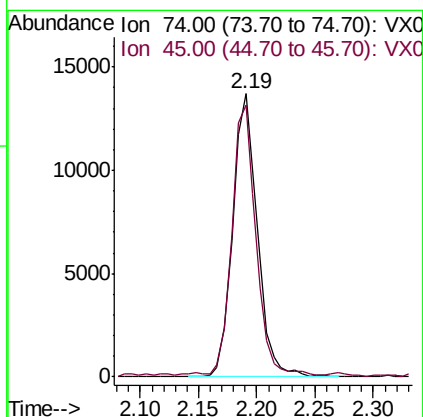
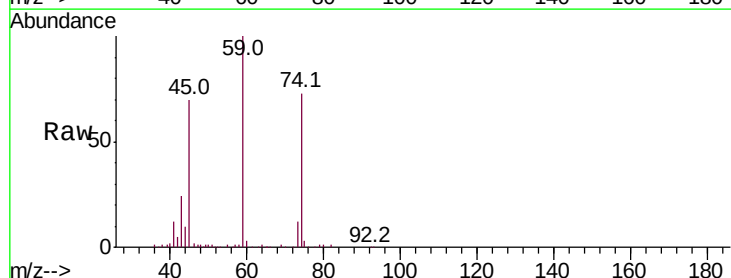
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7/31/2019 10:56:02 AM

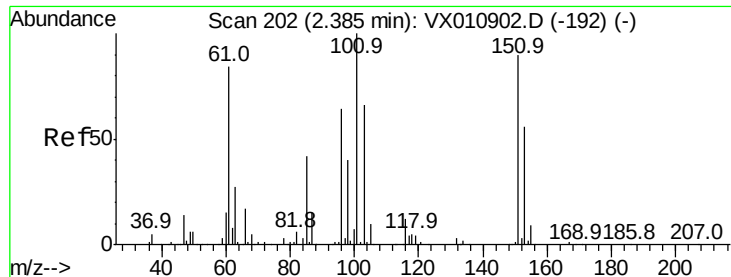


#8

Diethyl Ether
Concen: 20.199 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX011218.D
Acq: 31 Jul 2019 01:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.2	45.5	136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.686 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX011218.D

Acq: 31 Jul 2019 01:04

Instrument :

MSVOA_X

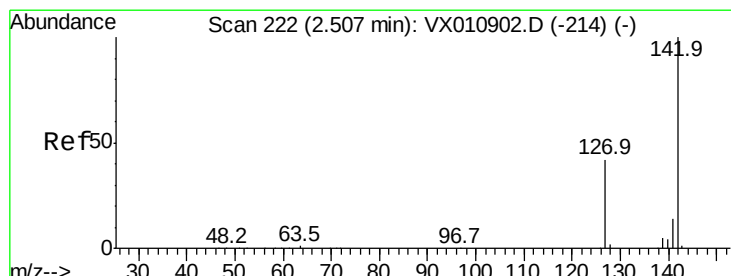
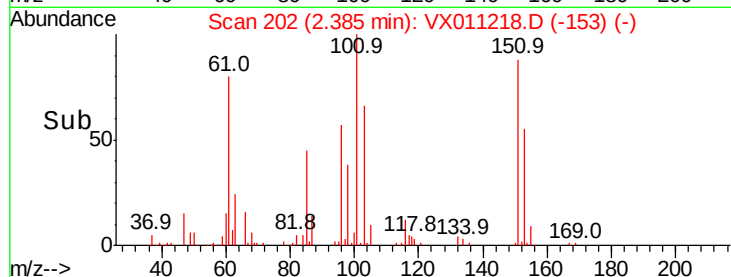
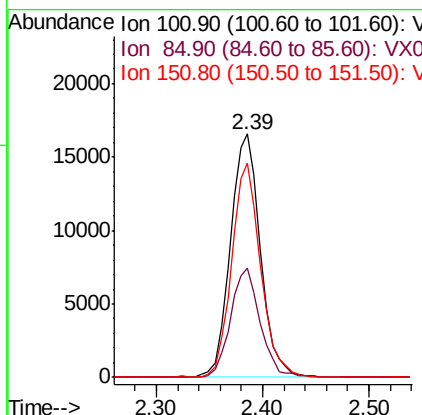
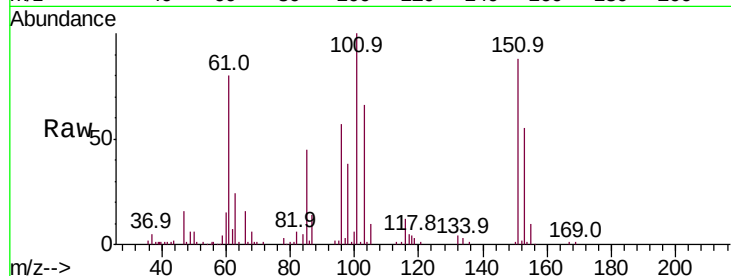
ClientSampleId :

VX0730WBSD02

Tot Ion:	101	Resp:	32593
Ion Ratio	Lower	Upper	
101	100		
85	44.4	34.6	52.0
151	85.3	69.6	104.4

Manual Integrations
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#10

Methyl Iodide

Concen: 15.936 ug/l

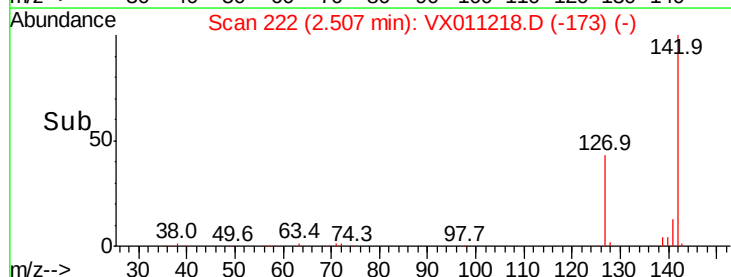
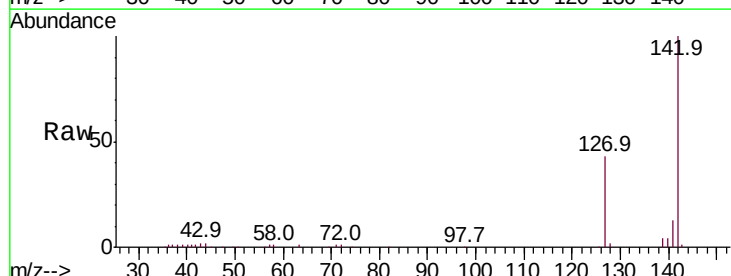
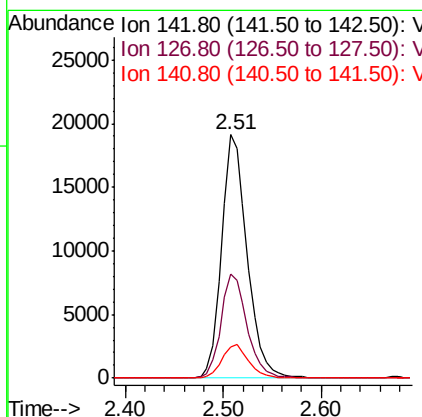
RT: 2.51 min Scan# 222

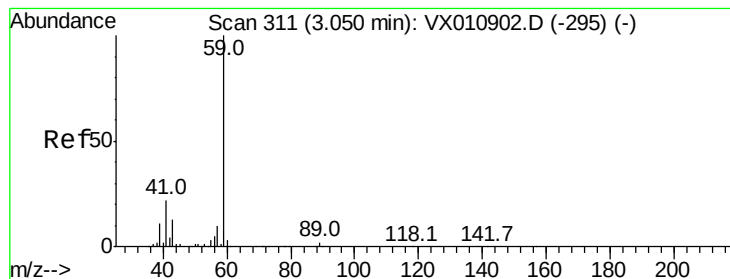
Delta R.T. 0.00 min

Lab File: VX011218.D

Acq: 31 Jul 2019 01:04

Tgt Ion:	142	Resp:	34624
Ion Ratio	Lower	Upper	
142	100		
127	43.5	34.2	51.4
141	14.2	11.7	17.5





#11

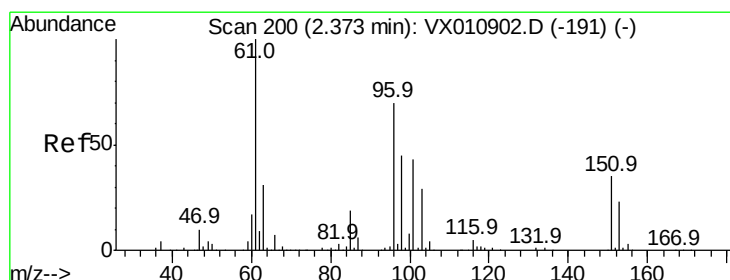
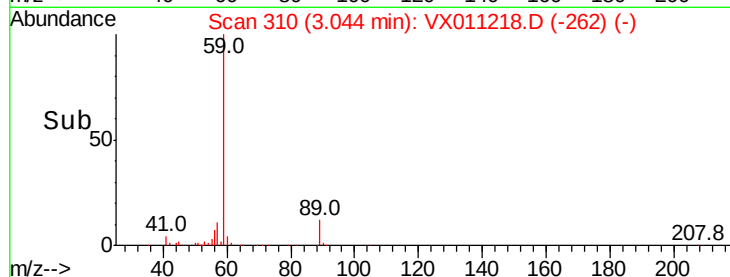
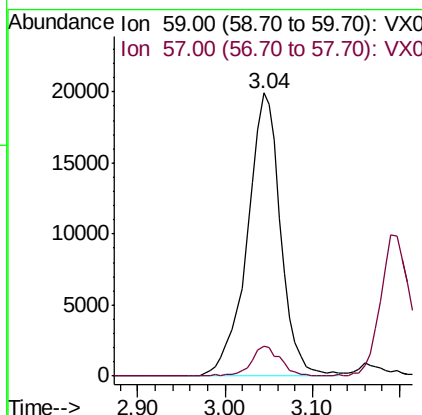
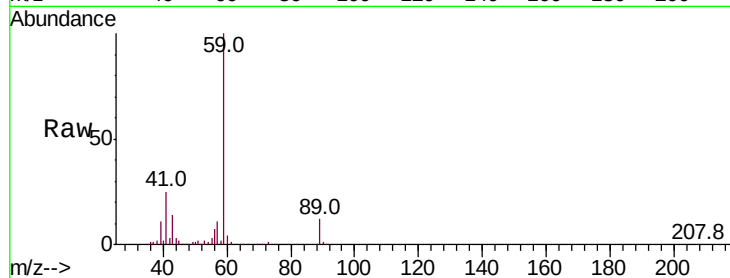
Tert butyl alcohol
 Concen: 116.660 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. -0.01 min
 Lab File: VX011218.D
 Acq: 31 Jul 2019 01:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0730WBSD02

Tot Ion: 59 Resp: 52785
 Ion Ratio Lower Upper
 59 100
 57 9.3 7.9 11.9

Manual Integrations
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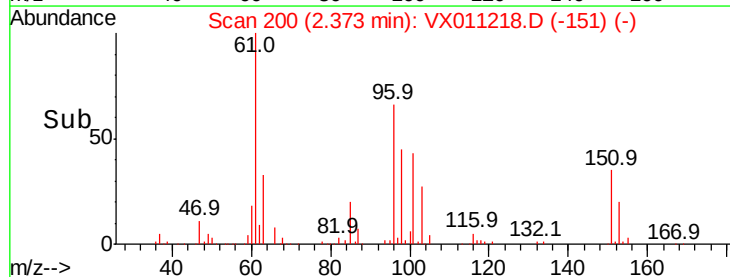
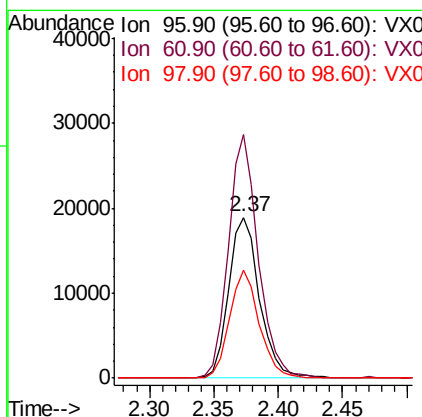
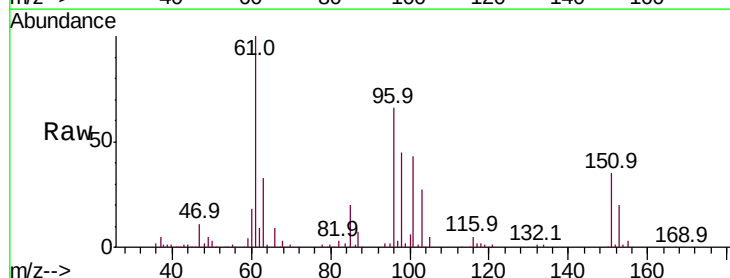
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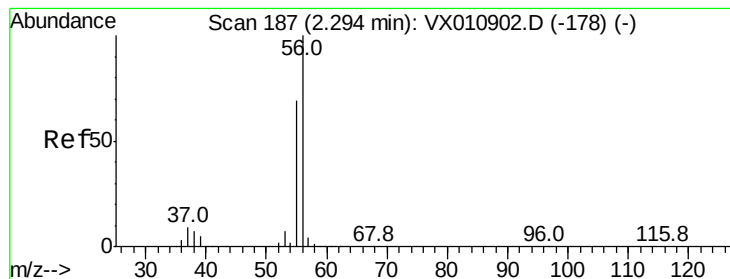


#12

1,1-Dichloroethene
 Concen: 19.464 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX011218.D
 Acq: 31 Jul 2019 01:04

Tgt Ion: 96 Resp: 31661
 Ion Ratio Lower Upper
 96 100
 61 151.5 115.0 172.4
 98 67.5 52.2 78.2





#13

Acrolein

Concen: 58.175 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX011218.D

Acq: 31 Jul 2019 01:04

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBSD02

Tot Ion: 56 Resp: 15208

Ion Ratio Lower Upper

56 100

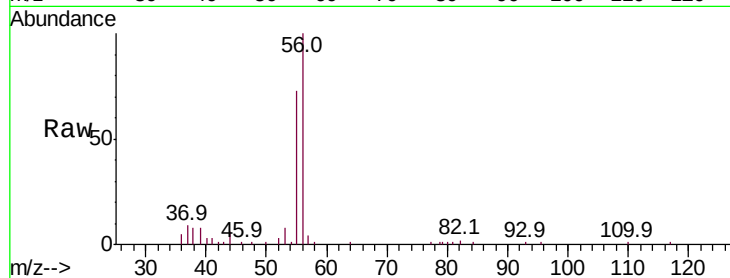
55 71.1 55.9 83.9

Manual Integrations

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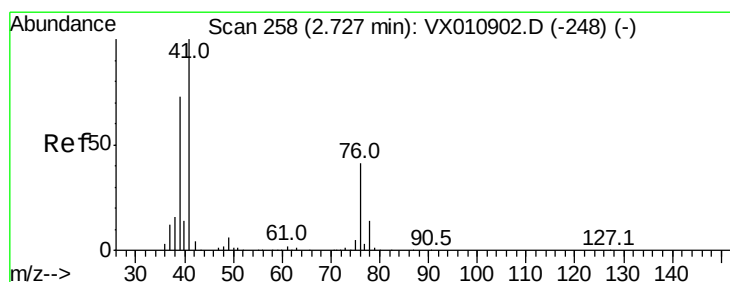
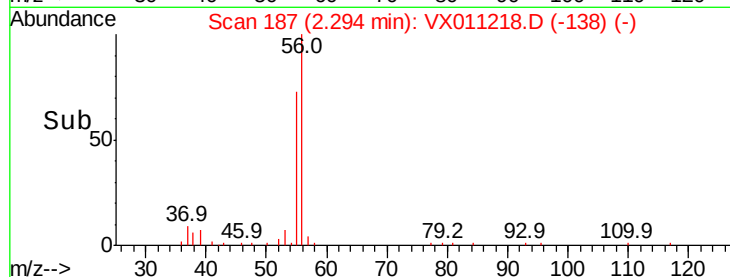
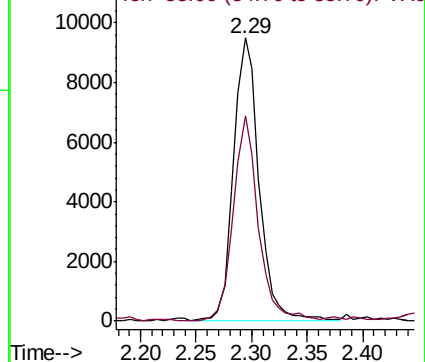
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 18.858 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX011218.D

Acq: 31 Jul 2019 01:04

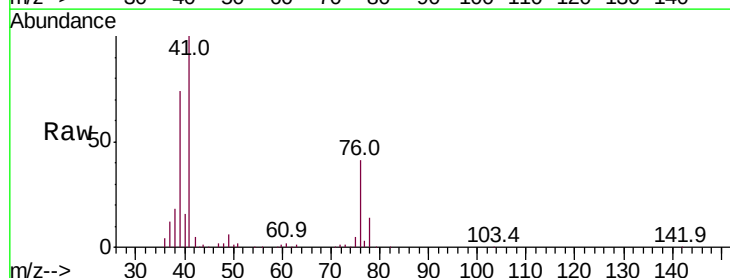
Tgt Ion: 41 Resp: 44557

Ion Ratio Lower Upper

41 100

39 67.1 53.6 80.4

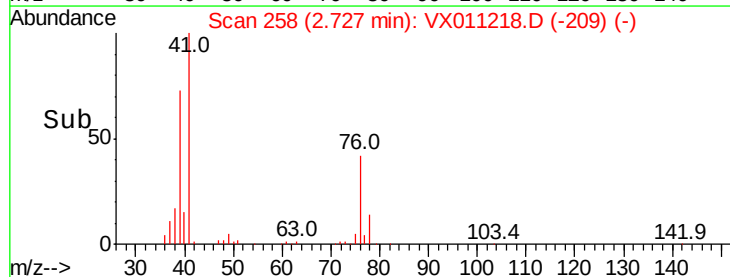
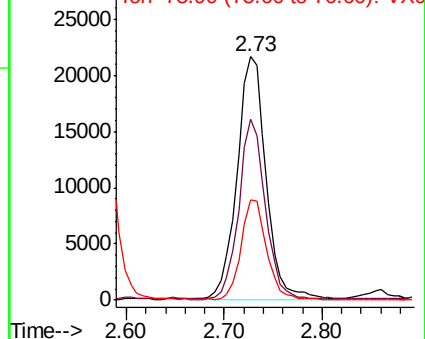
76 36.7 29.7 44.5

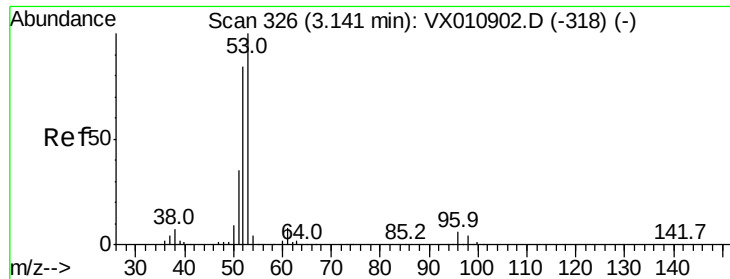


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 105.186 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX011218.D

Acq: 31 Jul 2019 01:04

Instrument :

MSVOA_X

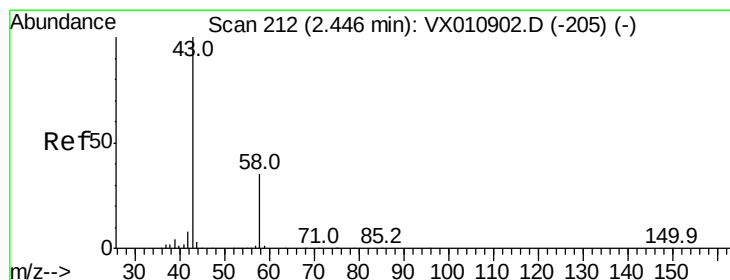
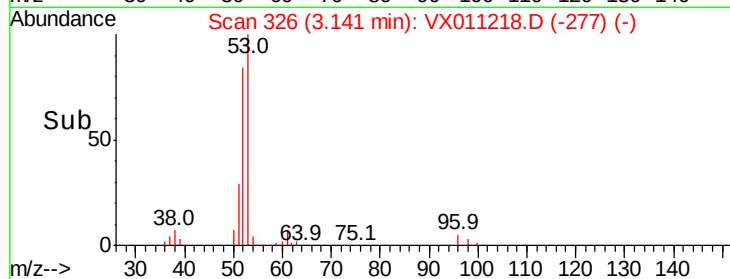
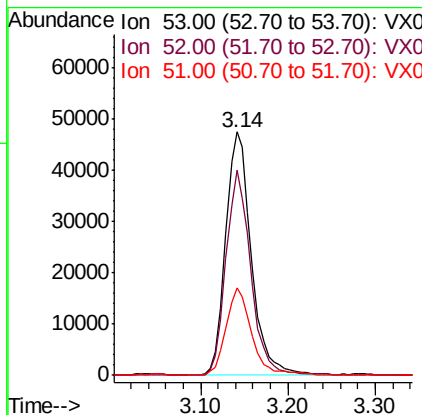
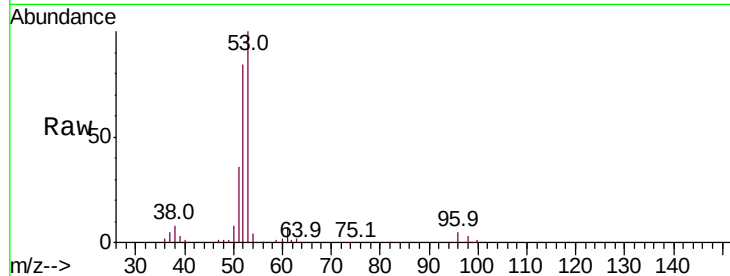
ClientSampleId :

VX0730WBSD02

Tot Ion:	53	Resp:	96171
Ion Ratio	Lower	Upper	
53	100		
52	82.3	66.5	99.7
51	36.4	28.2	42.4

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#16

Acetone

Concen: 93.421 ug/l

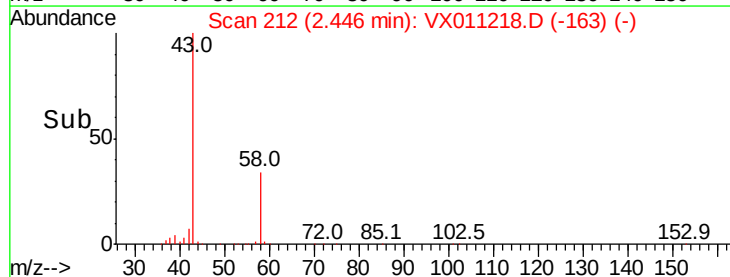
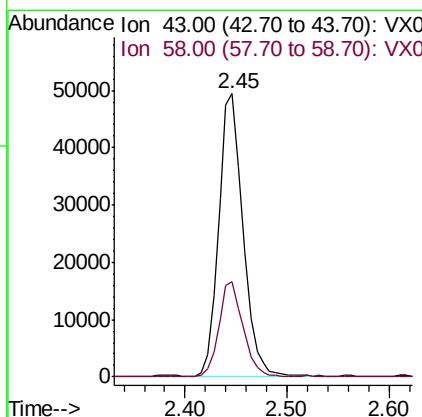
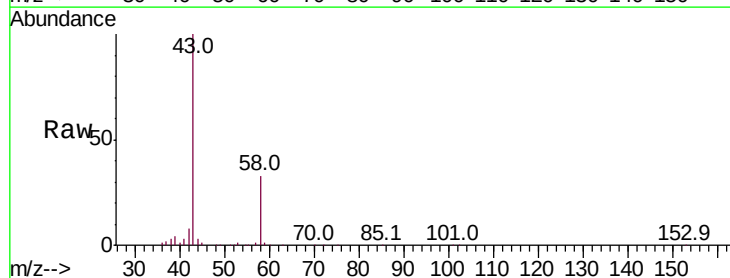
RT: 2.45 min Scan# 212

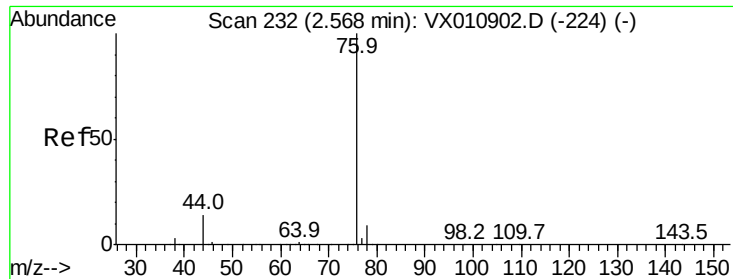
Delta R.T. 0.00 min

Lab File: VX011218.D

Acq: 31 Jul 2019 01:04

Tgt Ion:	43	Resp:	81975
Ion Ratio	Lower	Upper	
43	100		
58	33.5	27.7	41.5





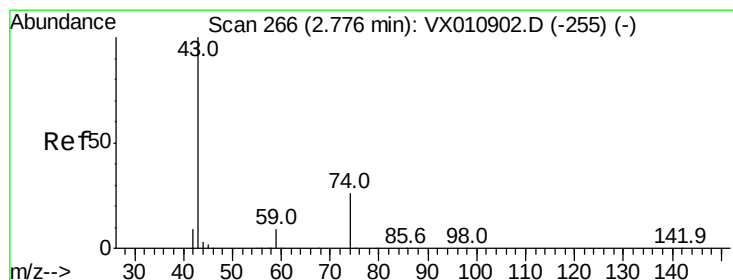
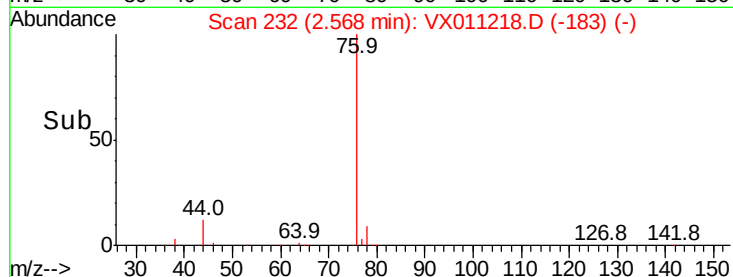
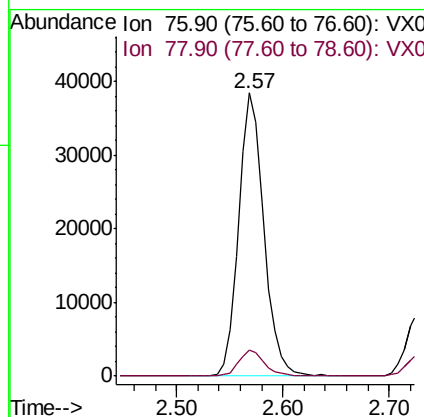
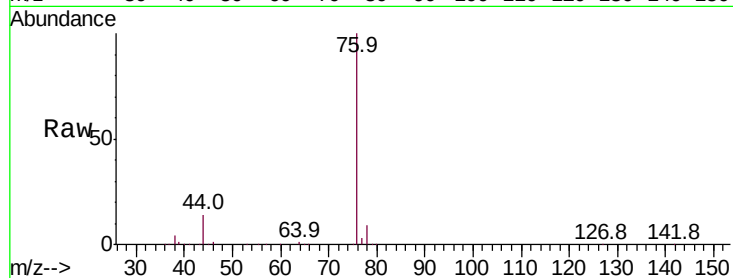
#17
Carbon Disulfide
Concen: 15.411 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX011218.D
Acq: 31 Jul 2019 01:04

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBSD02

Tot Ion: 76 Resp: 64305
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0

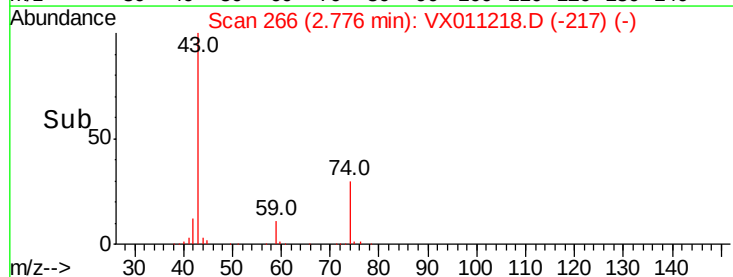
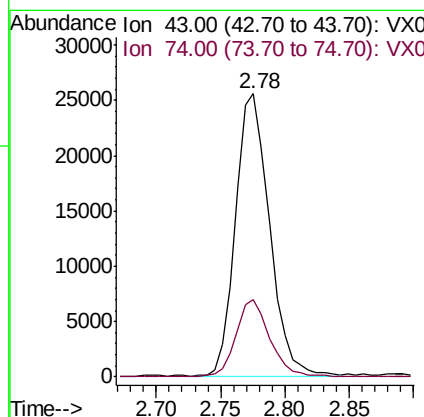
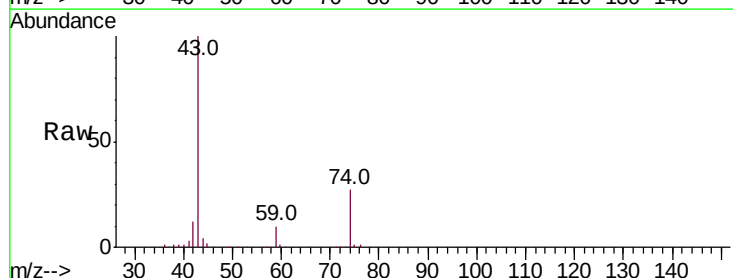
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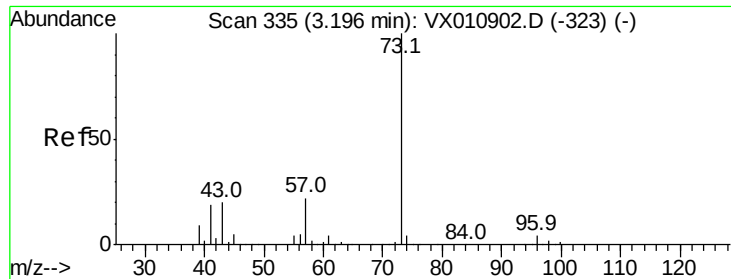
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#18
Methyl Acetate
Concen: 23.377 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX011218.D
Acq: 31 Jul 2019 01:04

Tgt Ion: 43 Resp: 46708
Ion Ratio Lower Upper
43 100
74 27.5 21.5 32.3





#19

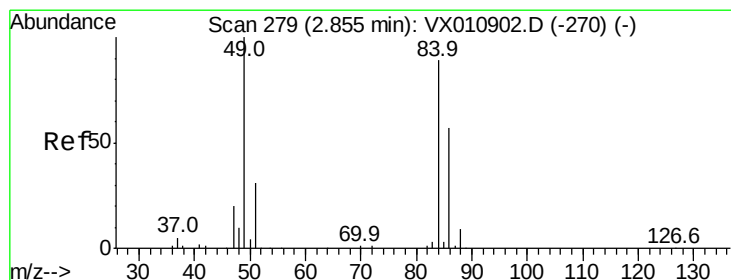
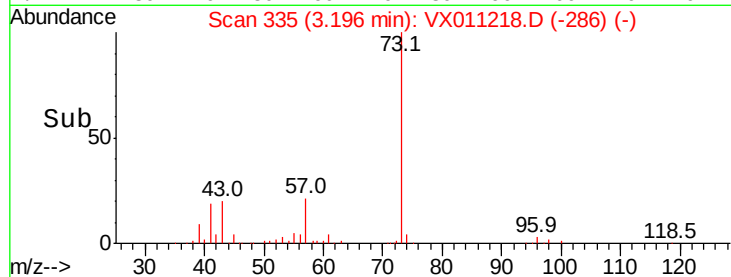
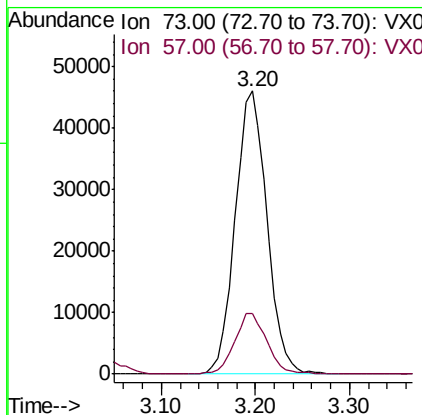
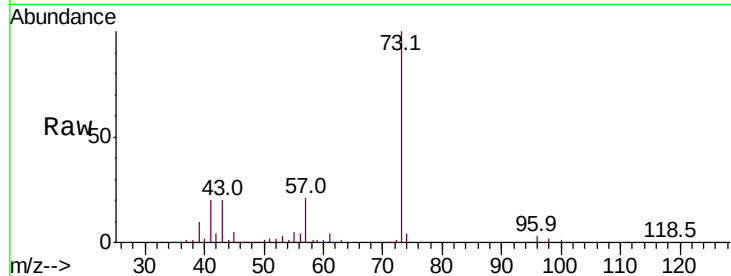
Methyl tert-butyl Ether
 Concen: 20.651 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX011218.D
 Acq: 31 Jul 2019 01:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0730WBSD02

Tot Ion	73	57	Ratio	Lower	Upper
73	100				
57	21.3		17.3	25.9	

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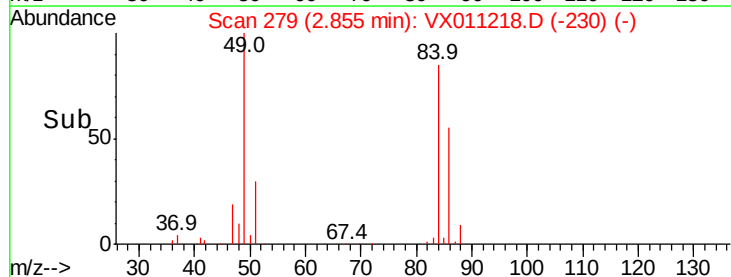
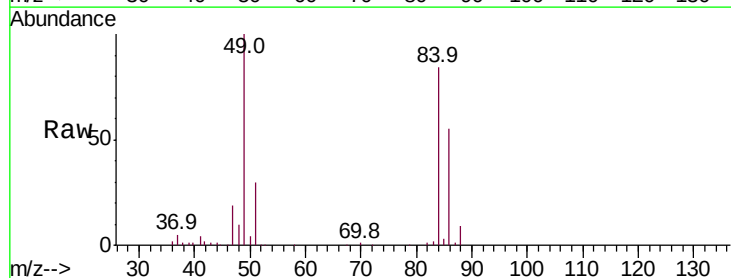
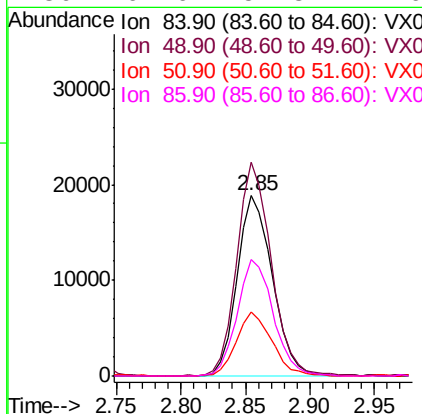
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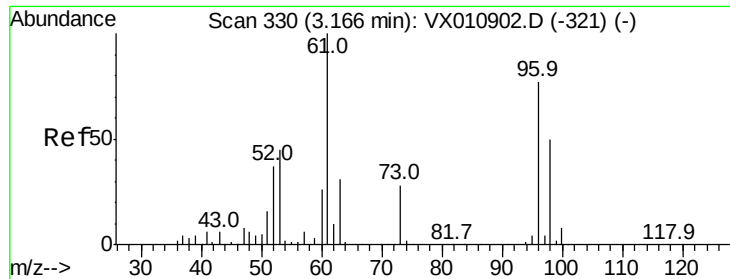


#20

Methylene Chloride
 Concen: 19.270 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX011218.D
 Acq: 31 Jul 2019 01:04

Tgt Ion	84	49	51	86	Ratio	Lower	Upper
84	100						
49	118.1				89.9	134.9	
51	35.5				27.8	41.6	
86	64.6				51.8	77.6	





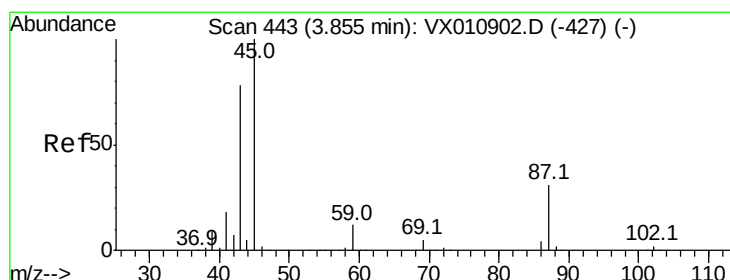
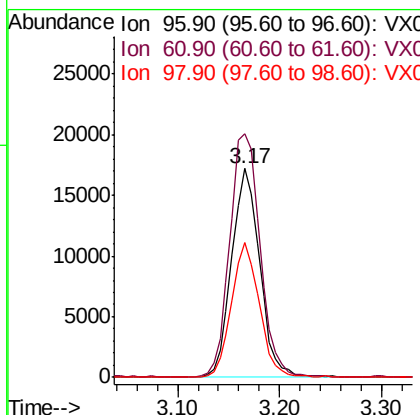
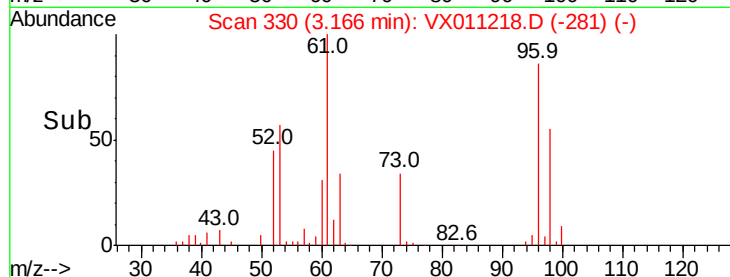
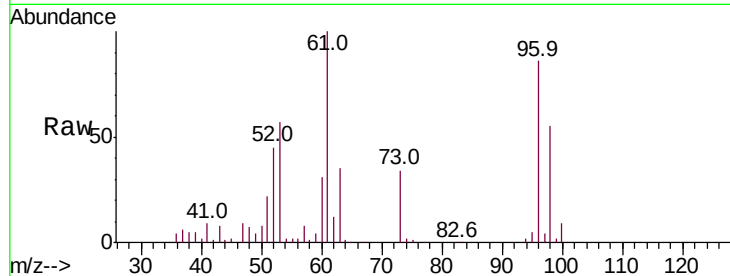
#21
trans-1,2-Dichloroethene
Concen: 19.010 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.00 min
Lab File: VX011218.D
Acq: 31 Jul 2019 01:04

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	116.6	104.2	156.2
98	64.4	52.2	78.4

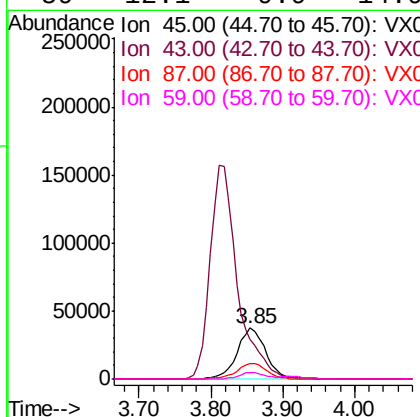
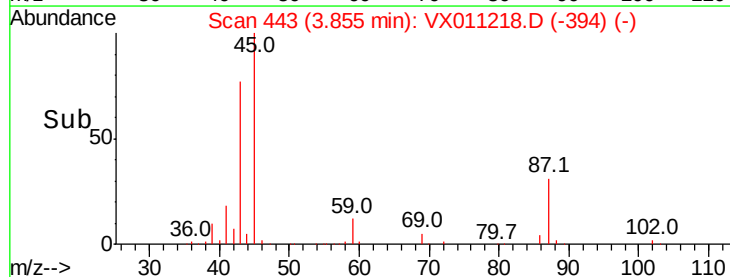
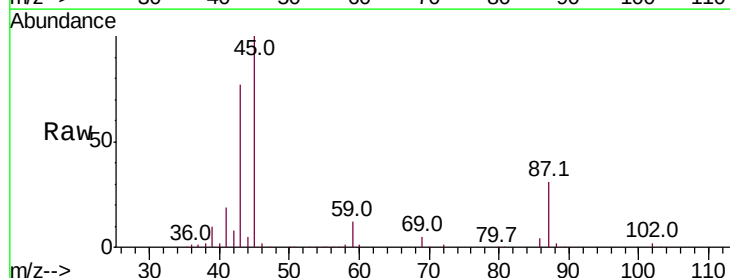
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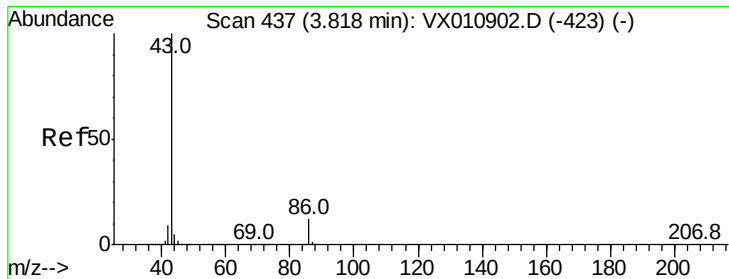
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#22
Diisopropyl ether
Concen: 20.507 ug/l
RT: 3.85 min Scan# 443
Delta R.T. 0.00 min
Lab File: VX011218.D
Acq: 31 Jul 2019 01:04

Tgt Ion	Ratio	Lower	Upper
45	100		
43	76.5	62.3	93.5
87	31.1	25.0	37.4
59	12.1	9.9	14.9





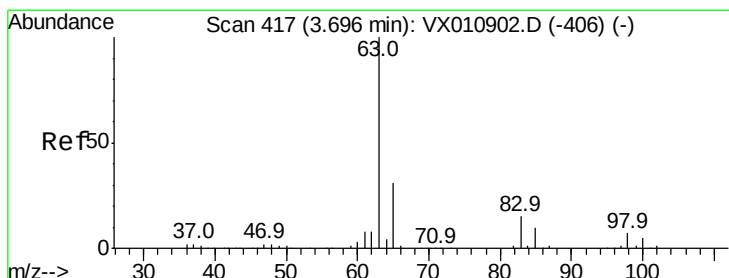
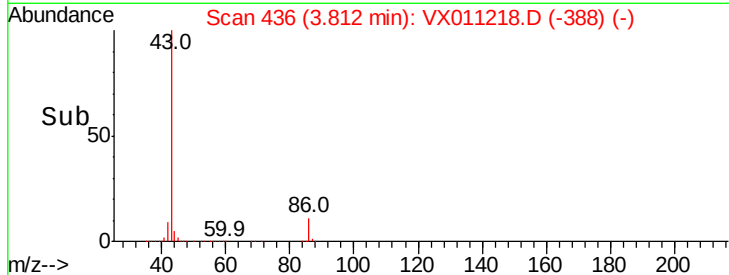
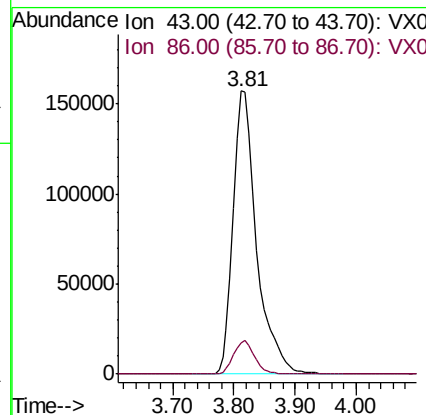
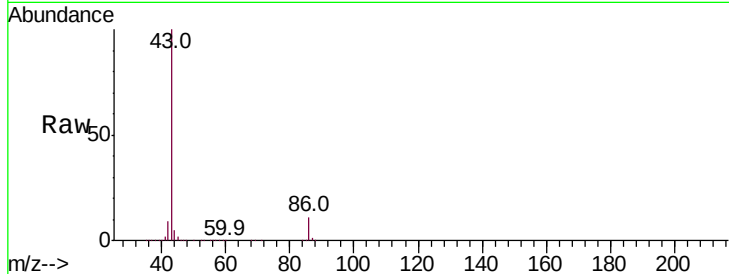
#23
 Vinyl Acetate
 Concen: 98.554 ug/l
 RT: 3.81 min Scan# 436
 Delta R.T. -0.01 min
 Lab File: VX011218.D
 Acq: 31 Jul 2019 01:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0730WBSD02

Tot Ion: 43 Resp: 416126
 Ion Ratio Lower Upper
 43 100
 86 11.1 9.4 14.0

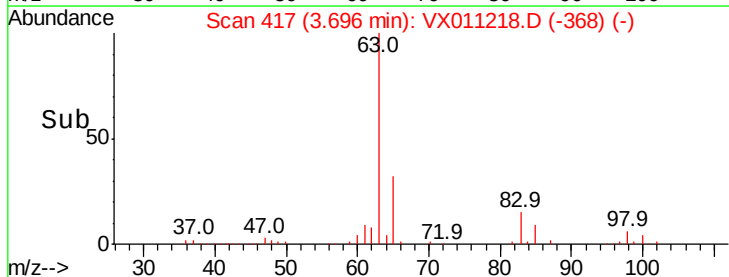
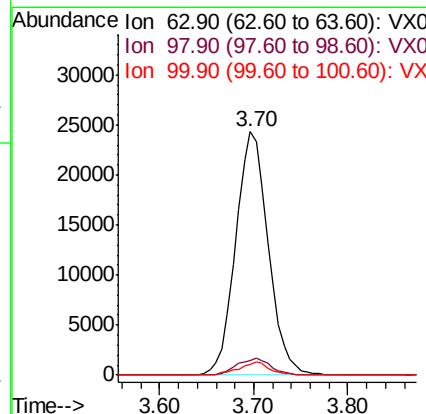
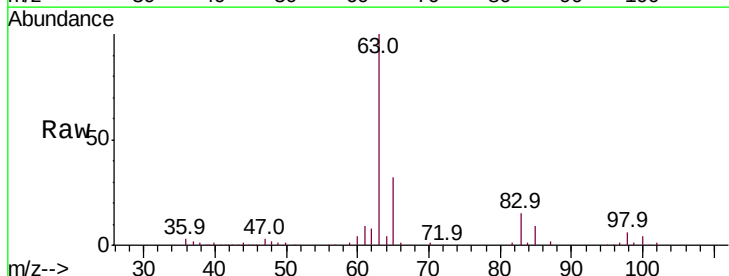
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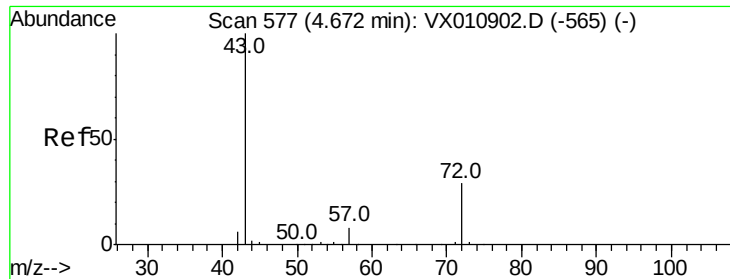
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#24
 1,1-Dichloroethane
 Concen: 20.214 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. 0.00 min
 Lab File: VX011218.D
 Acq: 31 Jul 2019 01:04

Tgt Ion: 63 Resp: 58502
 Ion Ratio Lower Upper
 63 100
 98 5.8 3.6 10.9
 100 4.3 2.4 7.2





#25

2-Butanone

Concen: 103.956 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX011218.D

Acq: 31 Jul 2019 01:04

Instrument :

MSVOA_X

ClientSampled :

VX0730WBSD02

Tot Ion: 43 Resp: 130944

Ion Ratio Lower Upper

43 100

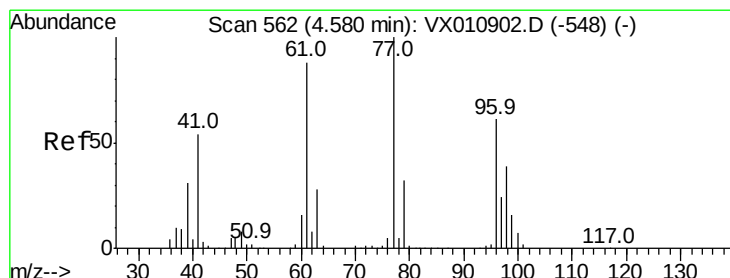
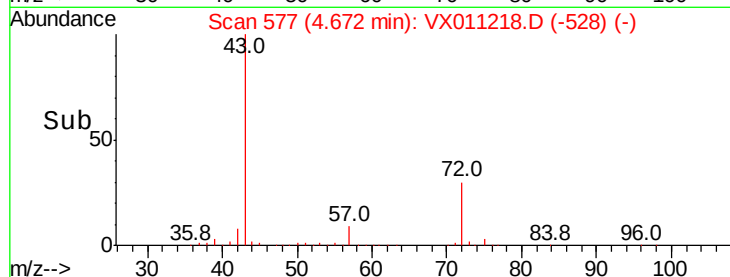
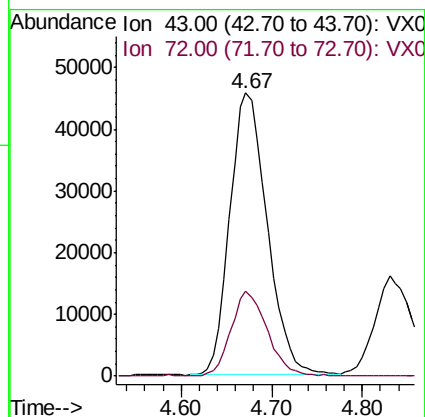
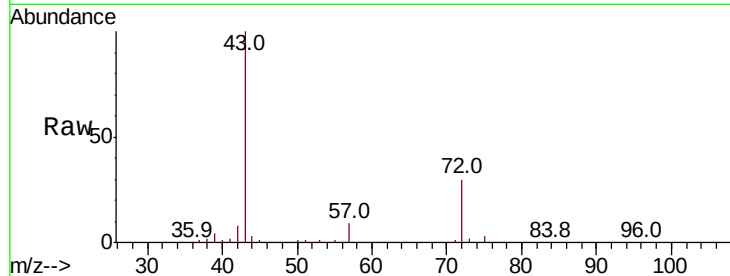
72 29.7 23.0 34.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 13.772 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX011218.D

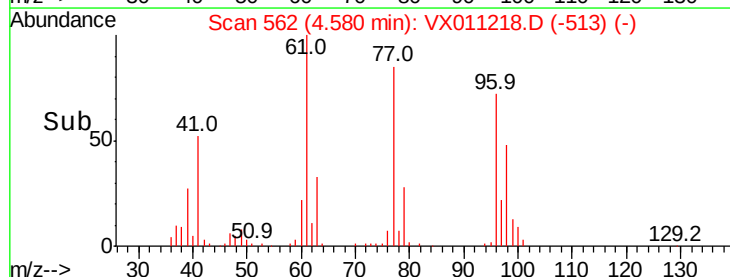
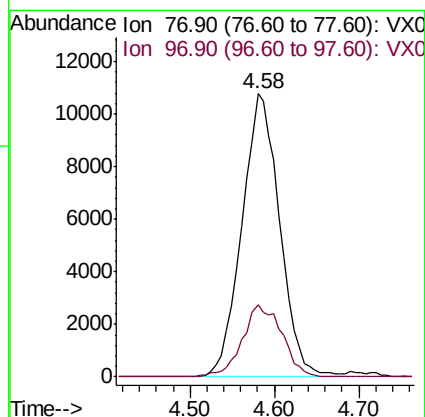
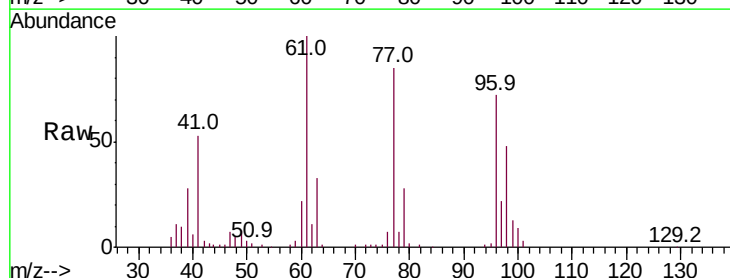
Acq: 31 Jul 2019 01:04

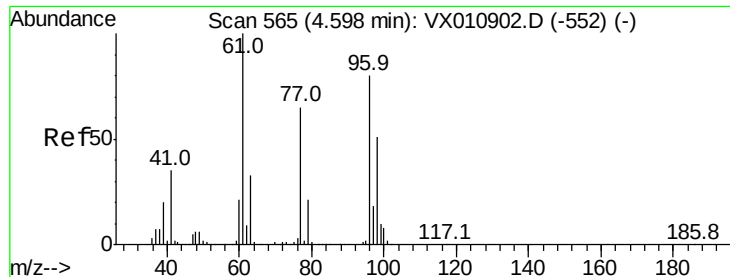
Tgt Ion: 77 Resp: 32725

Ion Ratio Lower Upper

77 100

97 26.6 12.6 37.6





#27

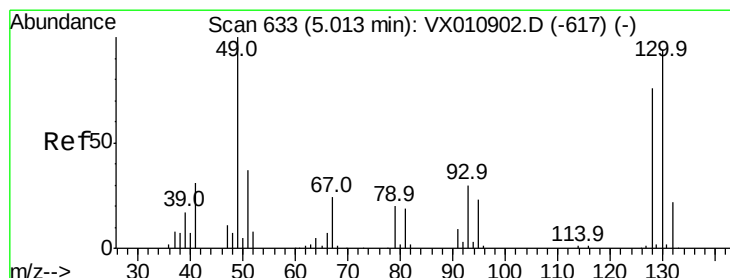
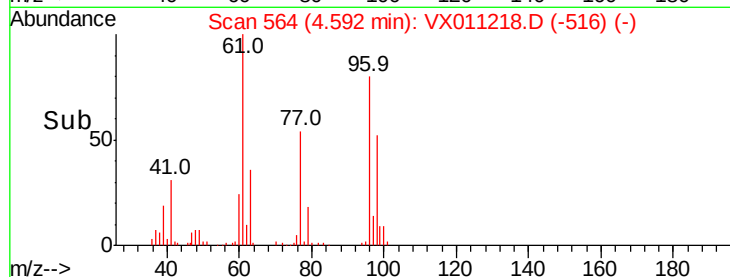
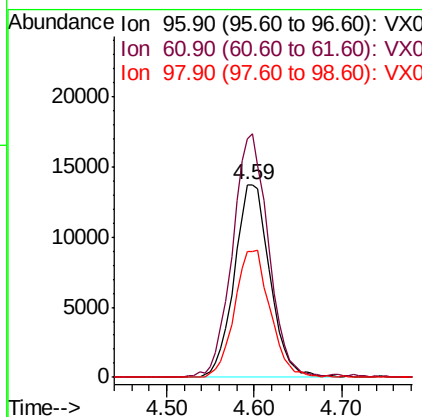
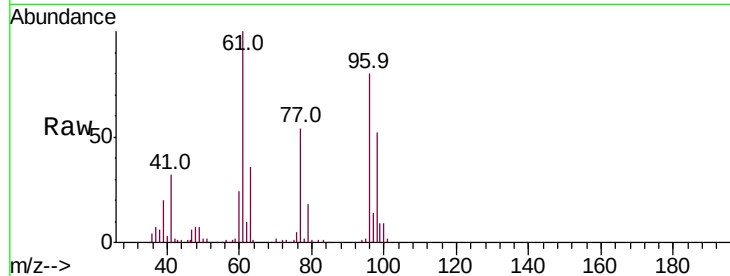
cis-1,2-Dichloroethene
Concen: 19.472 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX011218.D
Acq: 31 Jul 2019 01:04

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	127.9	0.0	269.0	
98	65.8	0.0	131.4	

Manual Integrations
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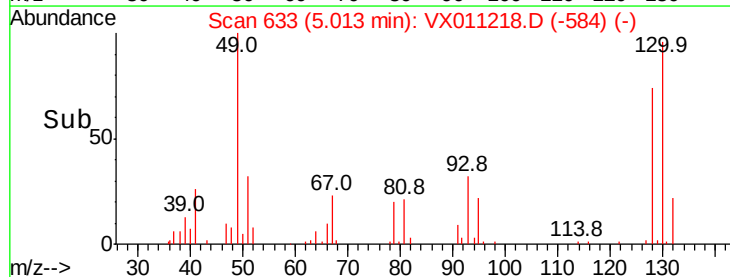
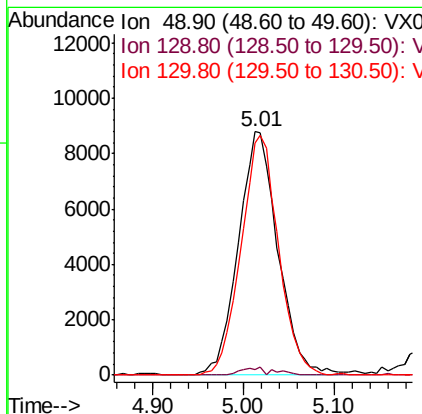
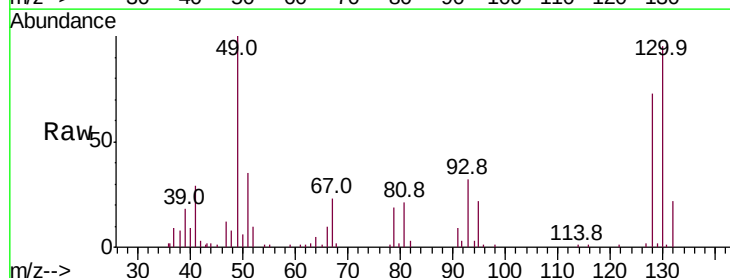
MMDadoda
7/31/2019 10:56:02 AM

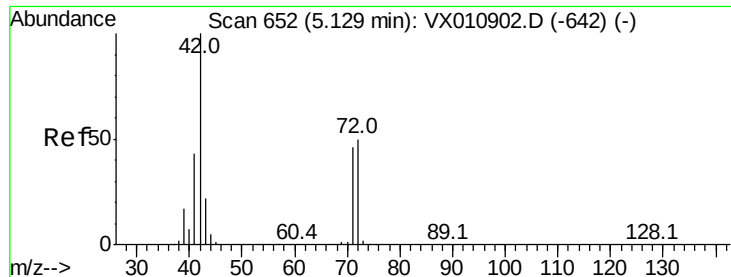


#28

Bromochloromethane
Concen: 19.465 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX011218.D
Acq: 31 Jul 2019 01:04

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.6	0.0	5.2	
130	93.0	76.9	115.3	





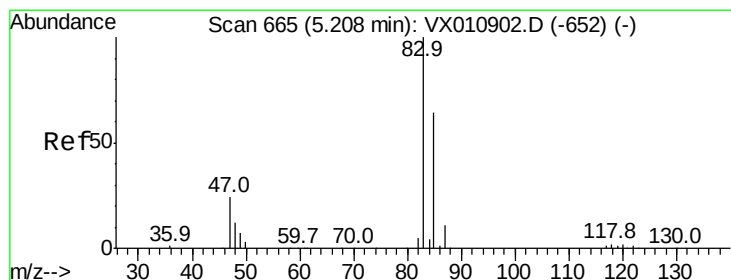
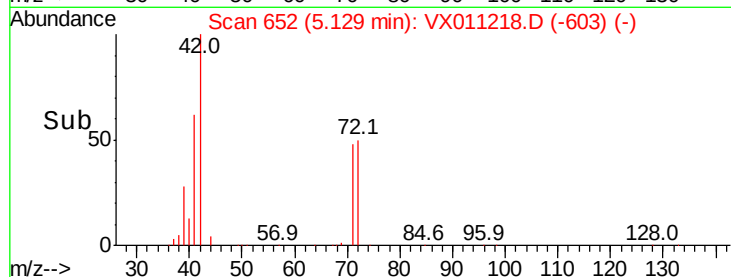
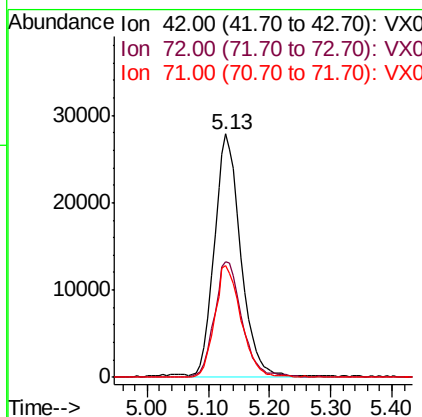
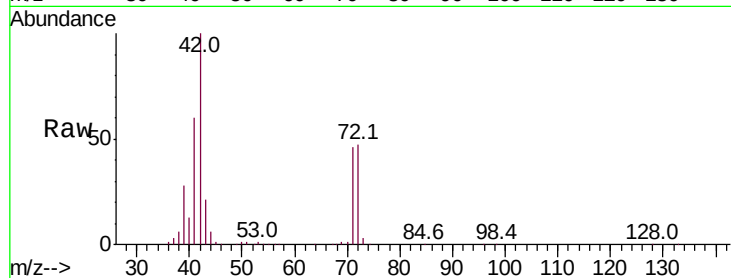
#29
Tetrahydrofuran
Concen: 104.852 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX011218.D
Acq: 31 Jul 2019 01:04

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.9	39.8	59.8
71	46.2	37.0	55.4

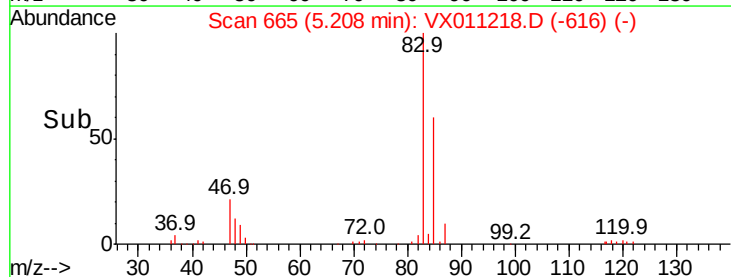
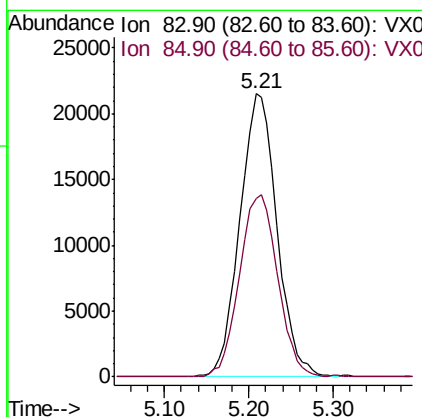
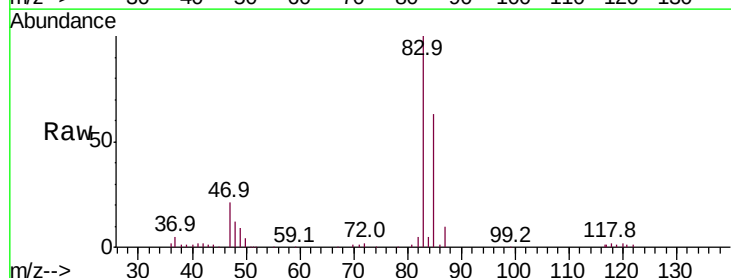
Manual Integrations
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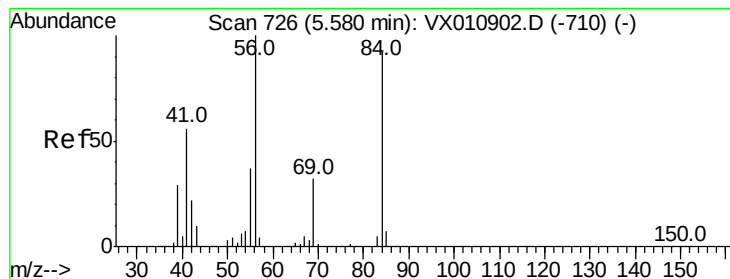
MMDadoda
7/31/2019 10:56:02 AM



#30
Chloroform
Concen: 20.523 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX011218.D
Acq: 31 Jul 2019 01:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.4	77.0





#31

Cyclohexane

Concen: 18.640 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX011218.D

Acq: 31 Jul 2019 01:04

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBSD02

Tot Ion: 56 Resp: 49171

Ion Ratio Lower Upper

56 100

69 31.8 25.8 38.8

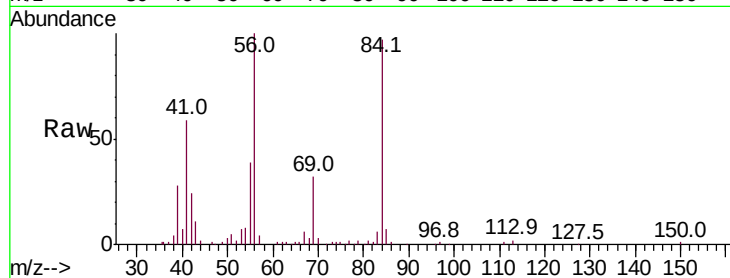
84 95.3 73.8 110.6

Manual Integrations

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MMDadoda

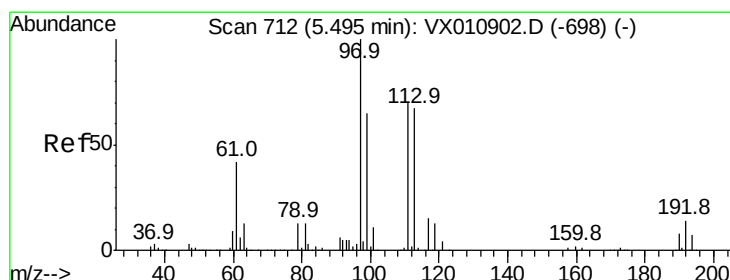
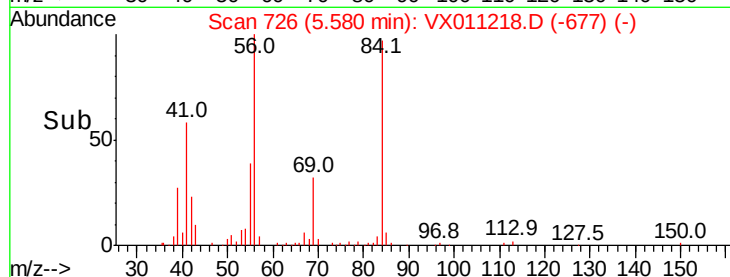
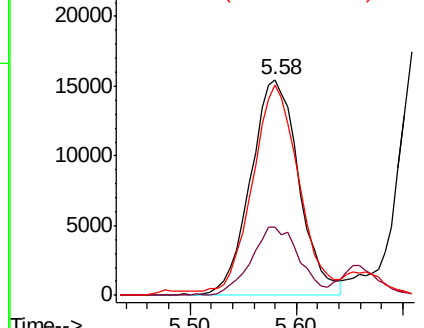
7/31/2019 10:56:02 AM



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: 20.241 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011218.D

Acq: 31 Jul 2019 01:04

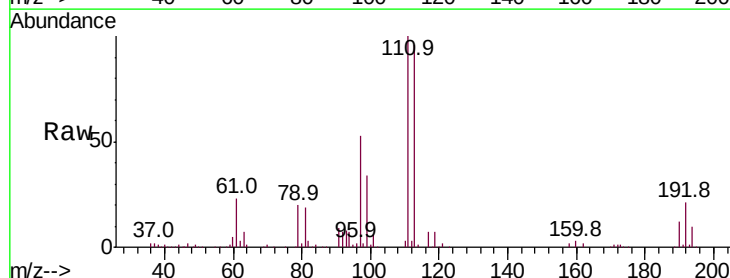
Tgt Ion: 97 Resp: 54778

Ion Ratio Lower Upper

97 100

99 63.4 51.4 77.0

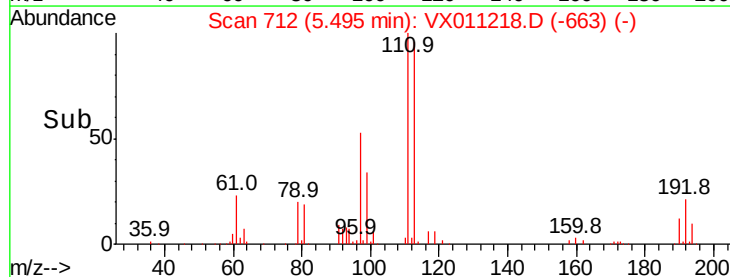
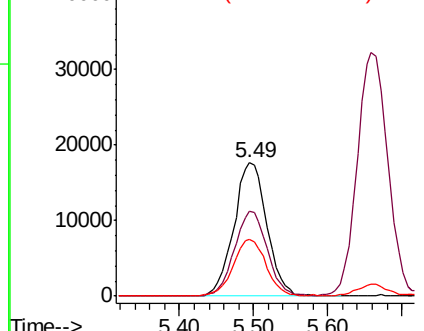
61 42.5 33.0 49.6

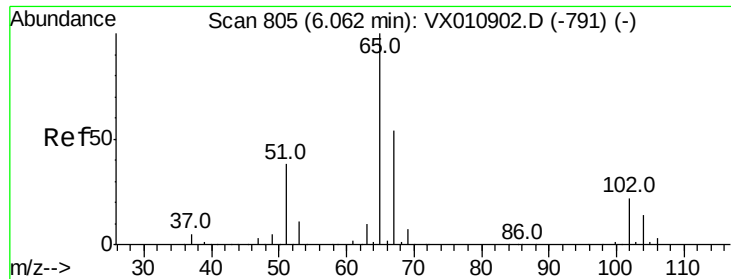


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





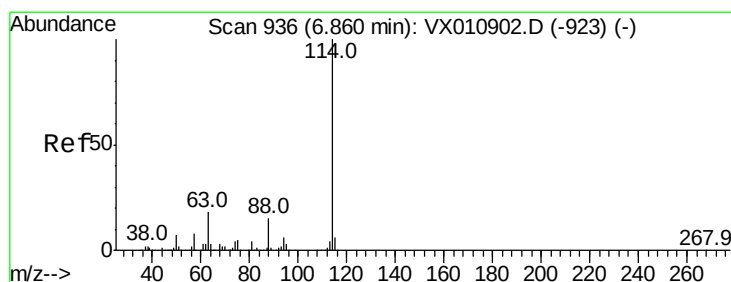
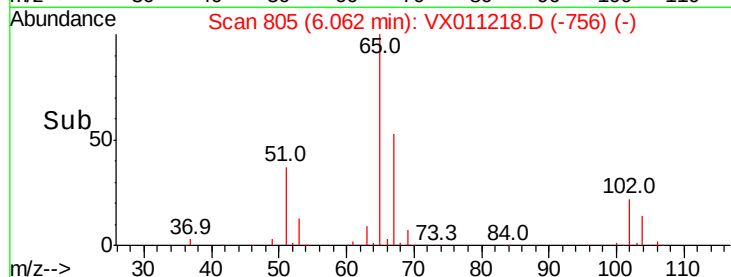
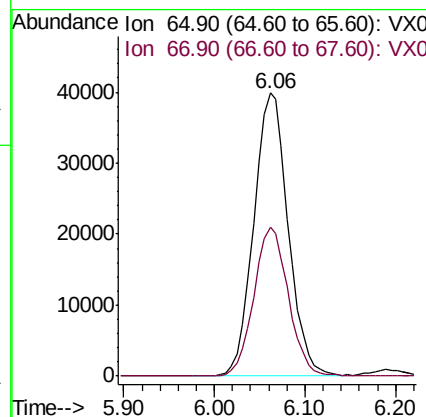
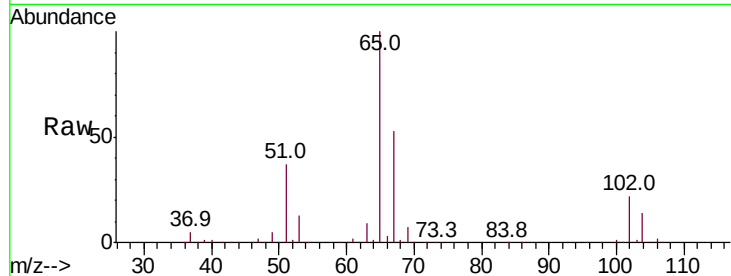
#33
 1,2-Dichloroethane-d4
 Concen: 53.770 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX011218.D
 Acq: 31 Jul 2019 01:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0730WBSD02

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	107.8

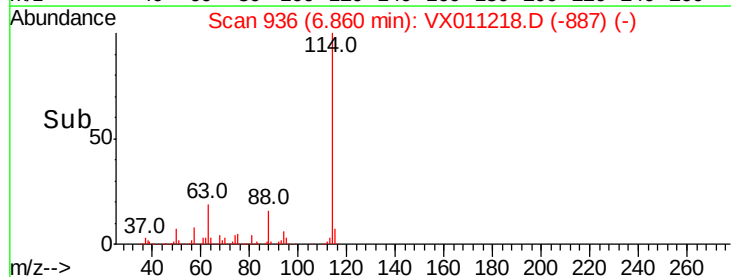
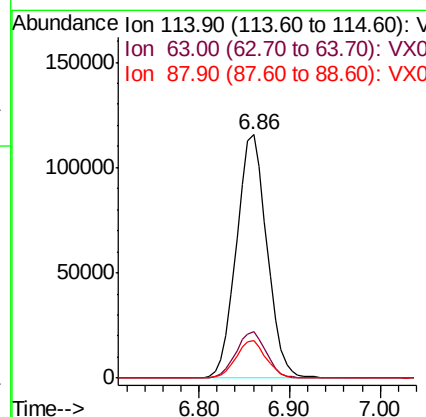
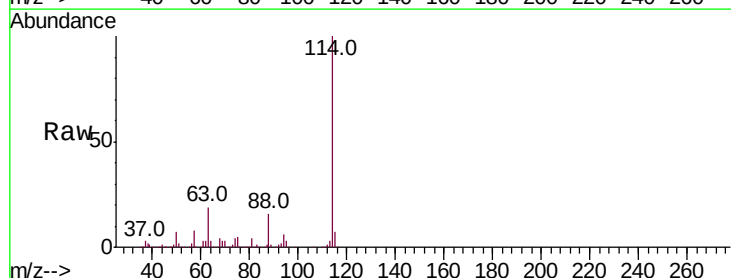
Manual Integrations
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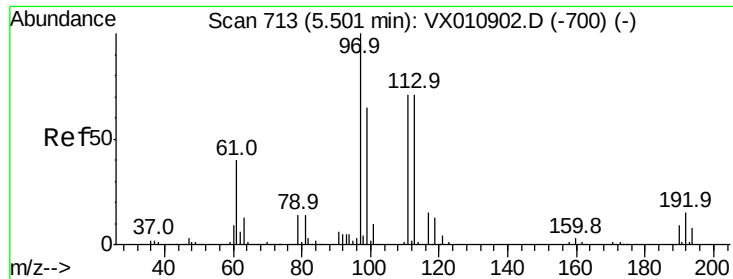
MMDadoda
 7/31/2019 10:56:02 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX011218.D
 Acq: 31 Jul 2019 01:04

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	35.6
88	15.7	0.0	29.8





#35

Dibromofluoromethane

Concen: 53.915 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX011218.D

Acq: 31 Jul 2019 01:04

Instrument :

MSVOA_X

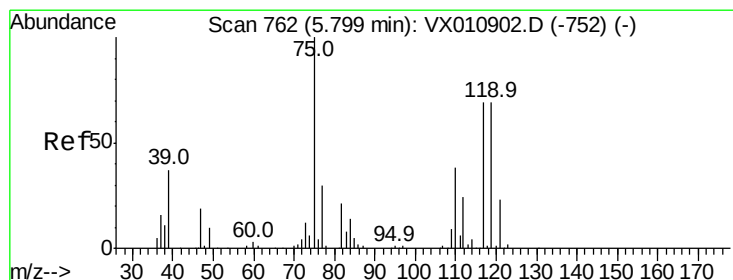
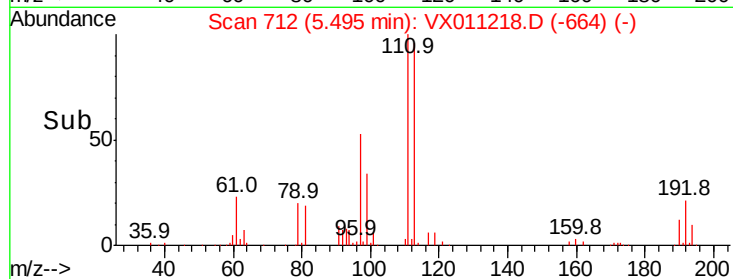
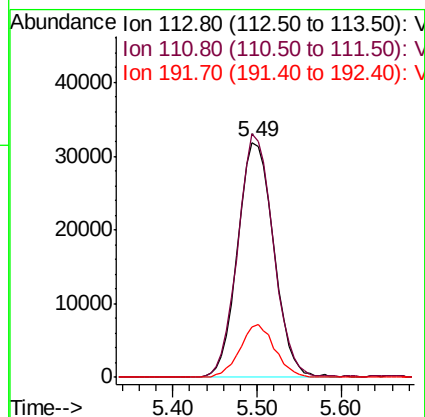
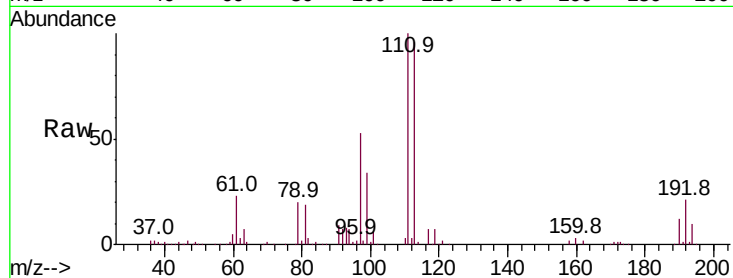
ClientSampleId :

VX0730WBSD02

Tot Ion:	113	Resp:	92585
Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.3	123.5
192	21.7	17.4	26.2

Manual Integrations
APPROVED

MMDadoda
7/31/2019 10:56:02 AM



#36

1,1-Dichloropropene

Concen: 19.759 ug/l

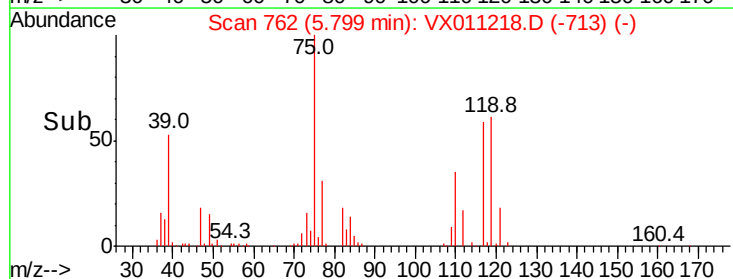
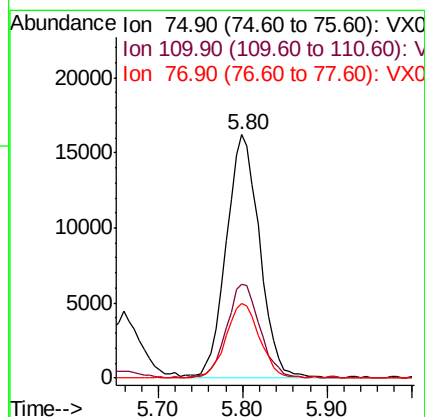
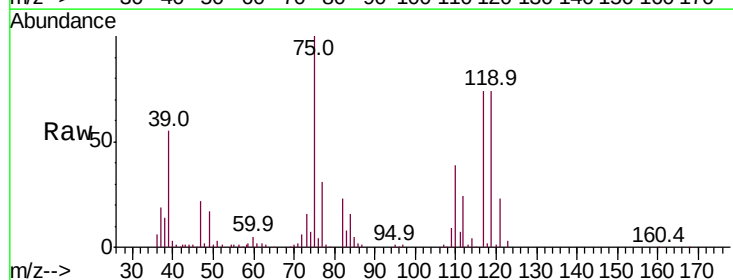
RT: 5.80 min Scan# 762

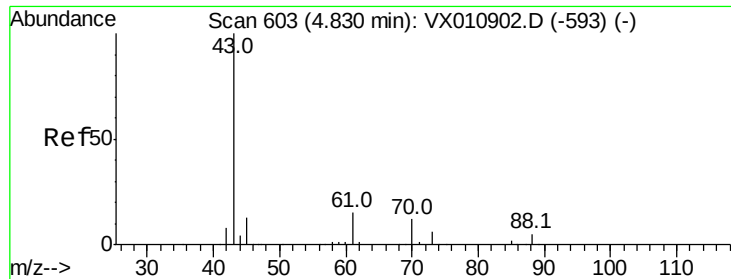
Delta R.T. 0.00 min

Lab File: VX011218.D

Acq: 31 Jul 2019 01:04

Tgt Ion:	75	Resp:	43911
Ion	Ratio	Lower	Upper
75	100		
110	38.4	19.9	59.7
77	31.2	25.0	37.4





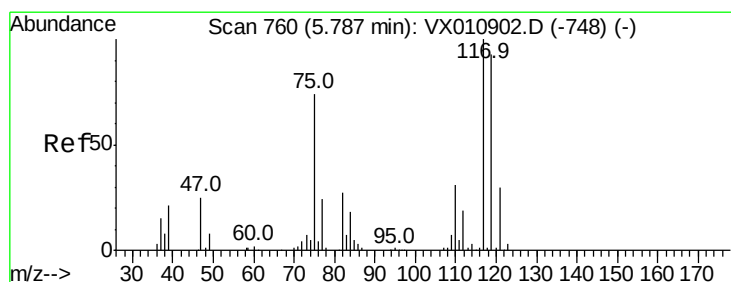
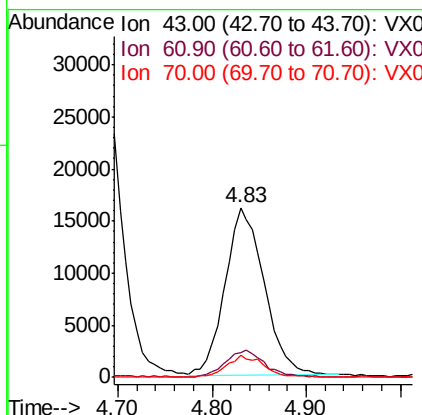
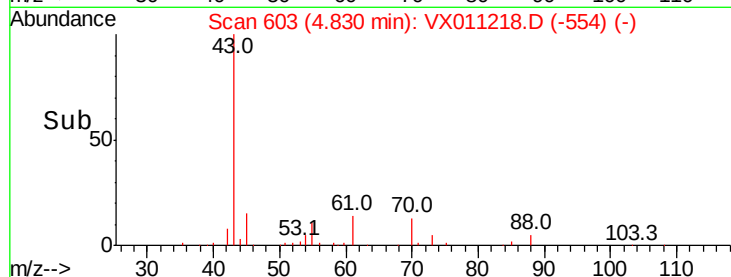
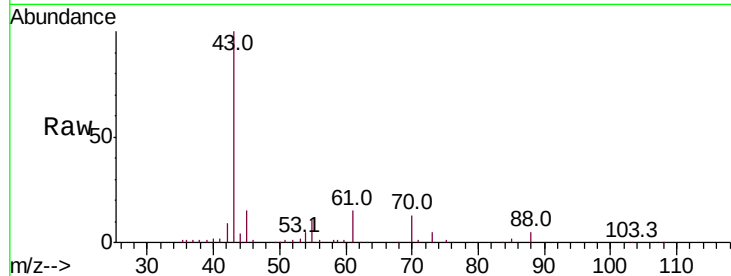
#37
Ethyl Acetate
Concen: 20.450 ug/l
RT: 4.83 min Scan# 603
Delta R.T. 0.00 min
Lab File: VX011218.D
Acq: 31 Jul 2019 01:04

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.3	11.6	17.4
70	12.7	9.1	13.7

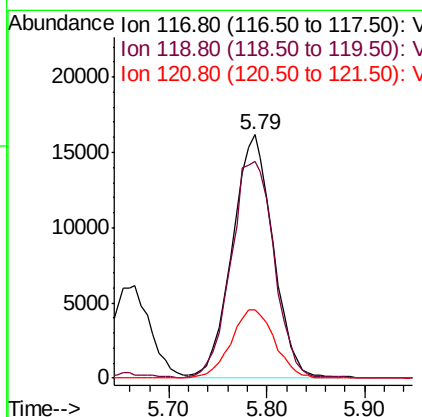
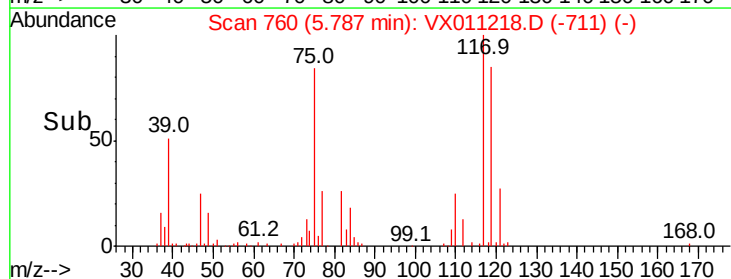
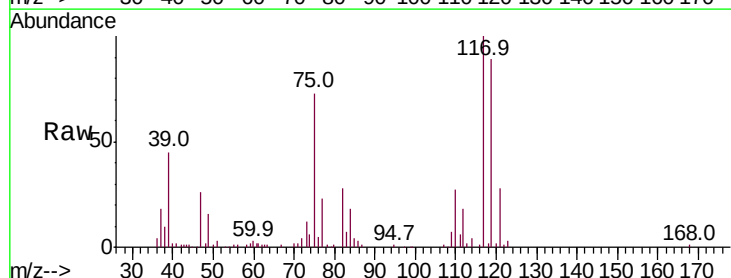
Manual Integrations
APPROVED

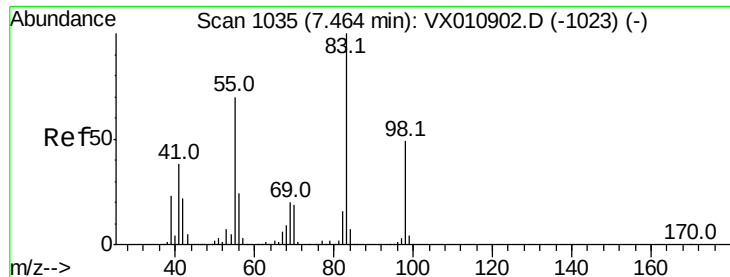
MMDadoda
7/31/2019 10:56:02 AM



#38
Carbon Tetrachloride
Concen: 20.154 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX011218.D
Acq: 31 Jul 2019 01:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.4	74.2	111.2
121	28.1	24.2	36.2





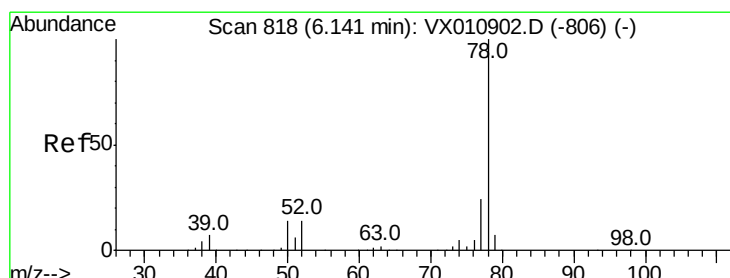
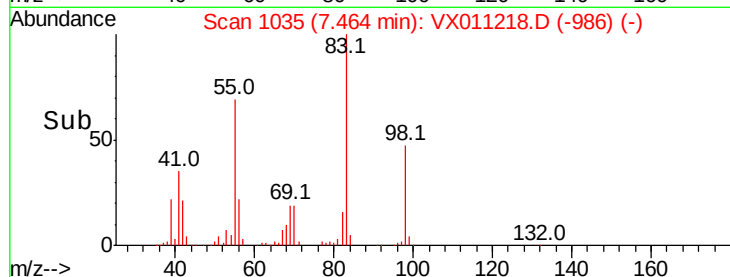
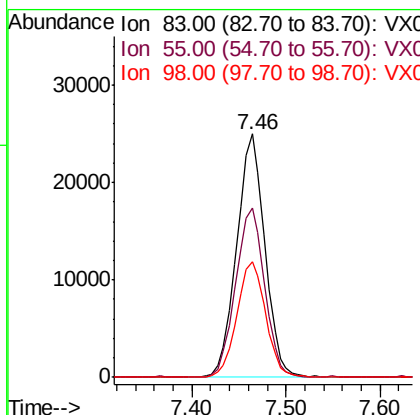
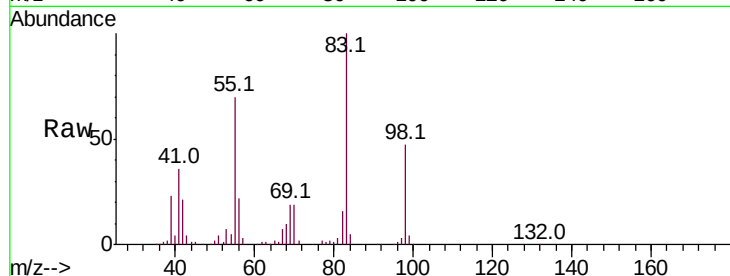
#39
Methylvlcyclohexane
Concen: 17.999 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX011218.D
Acq: 31 Jul 2019 01:04

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBSD02

Tot Ion	83	Resp	51872
Ion	Ratio	Lower	Upper
83	100		
55	69.3	56.2	84.4
98	47.4	39.0	58.4

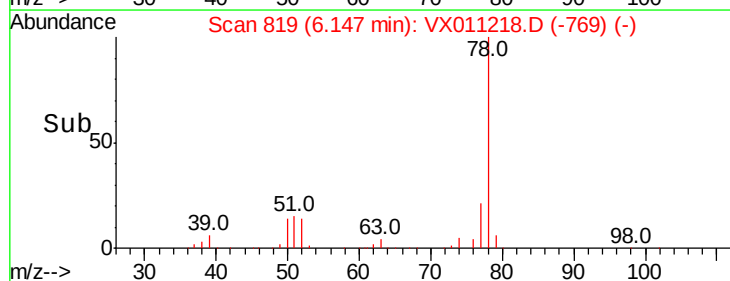
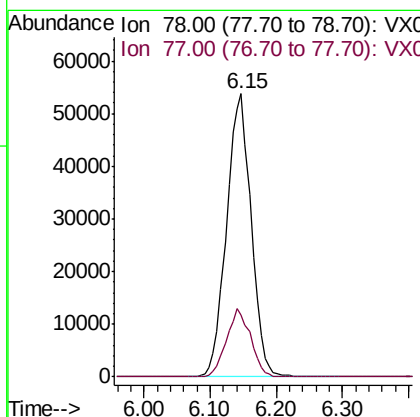
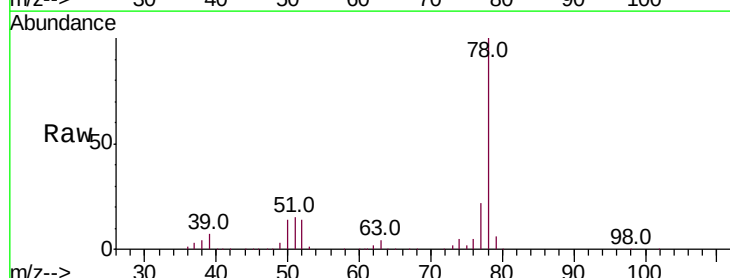
Manual Integrations
APPROVED

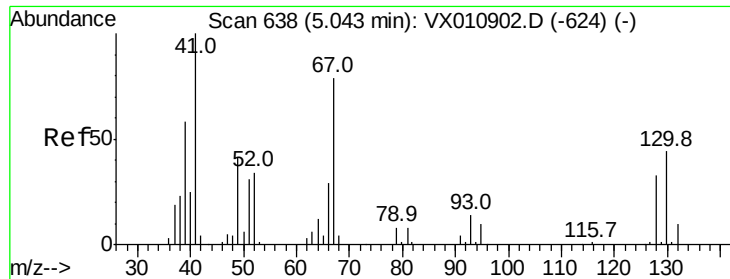
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#40
Benzene
Concen: 20.354 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX011218.D
Acq: 31 Jul 2019 01:04

Tgt Ion	78	Resp	138560
Ion	Ratio	Lower	Upper
78	100		
77	21.9	19.0	28.6





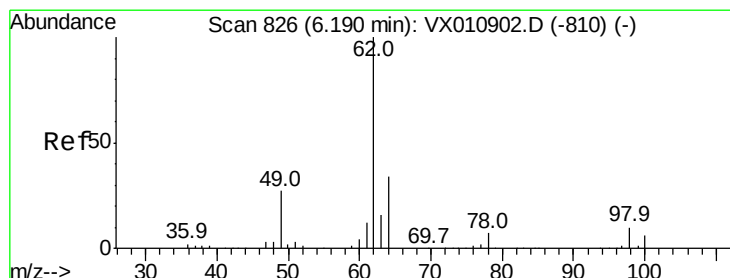
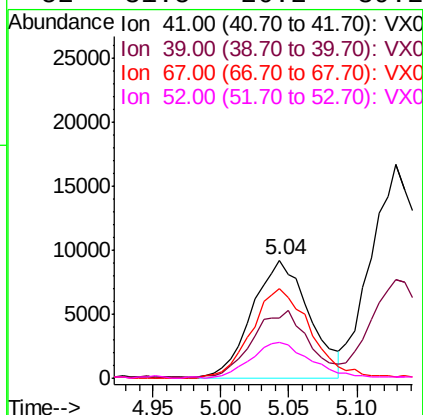
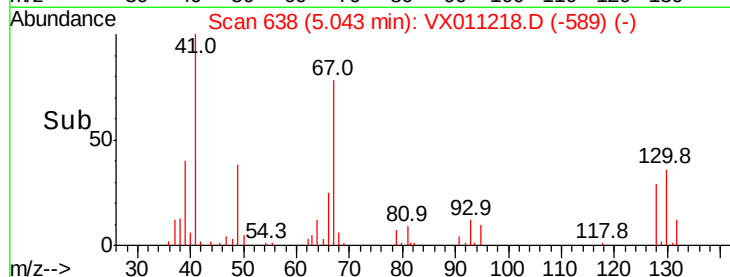
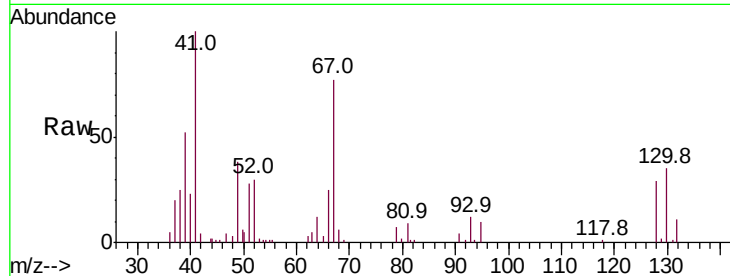
#41
Methacrylonitrile
Concen: 21.026 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX011218.D
Acq: 31 Jul 2019 01:04

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBSD02

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.9	45.4	68.2
67	78.3	65.9	98.9
52	31.5	26.2	39.2

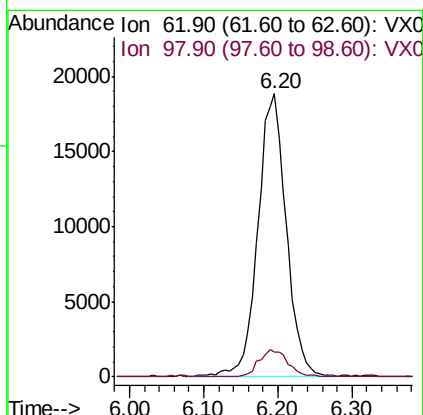
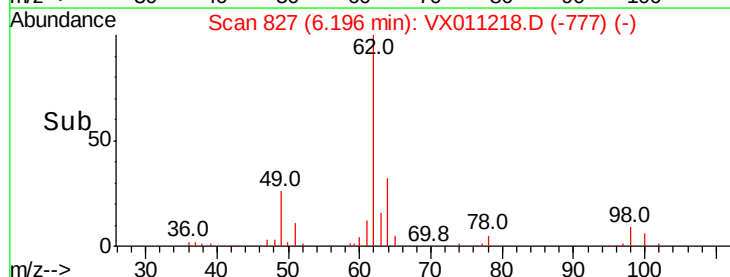
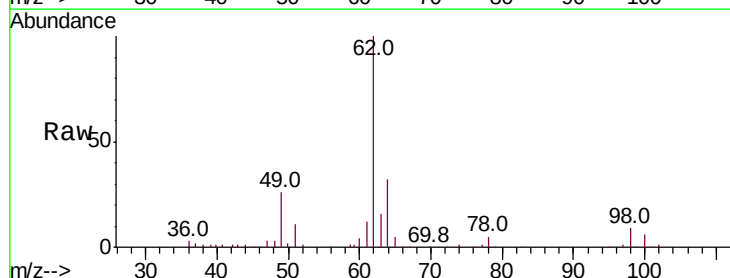
Manual Integrations
APPROVED

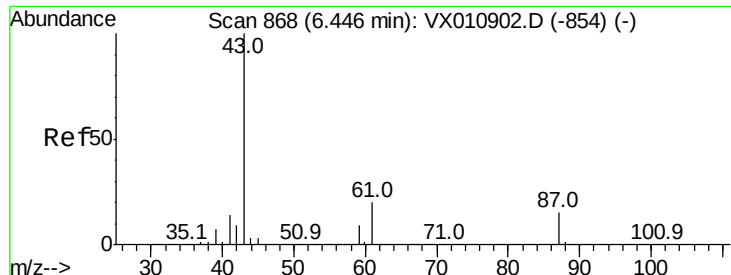
MMDadoda
7/31/2019 10:56:02 AM



#42
1,2-Dichloroethane
Concen: 21.312 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX011218.D
Acq: 31 Jul 2019 01:04

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	20.0





#43

Isopropyl Acetate

Concen: 20.558 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX011218.D

Acq: 31 Jul 2019 01:04

Instrument :

MSVOA_X

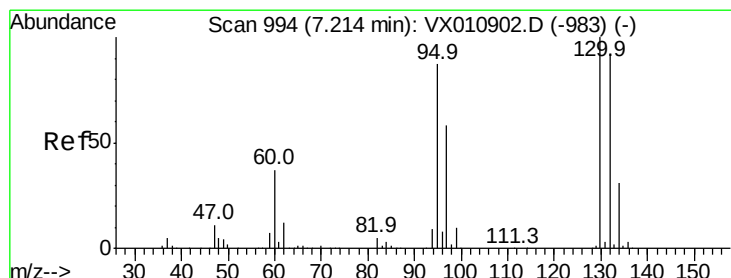
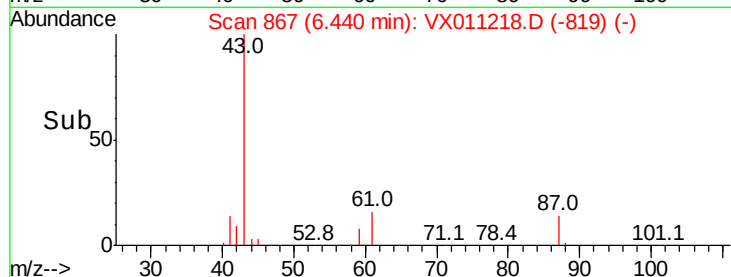
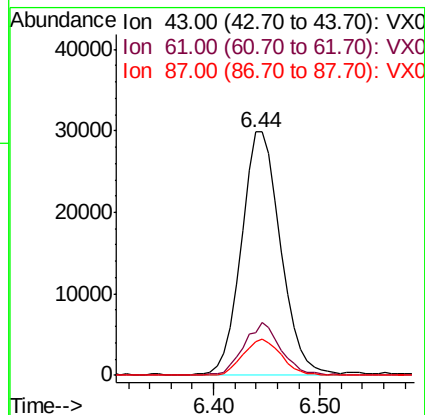
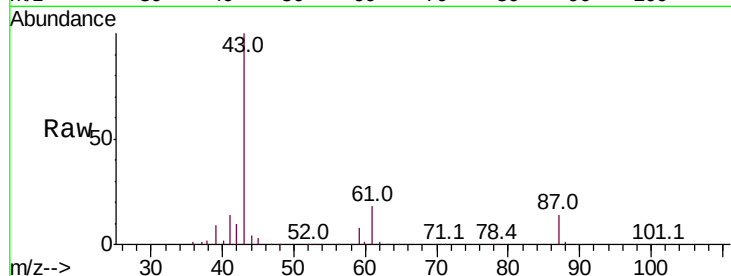
ClientSampleId :

VX0730WBSD02

Tot Ion:	43	Resp:	76923
Ion	Ratio	Lower	Upper
43	100		
61	20.8	17.1	25.7
87	14.8	12.0	18.0

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#44

Trichloroethene

Concen: 19.765 ug/l

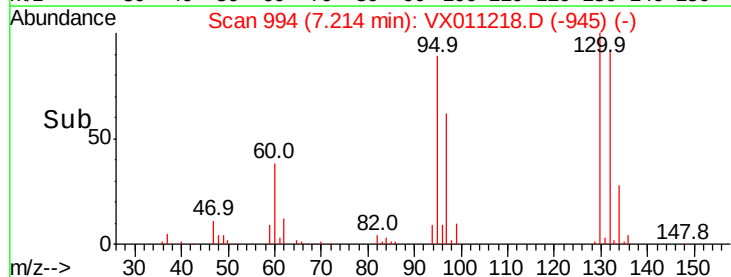
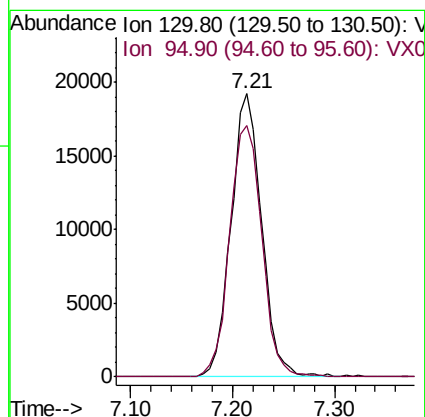
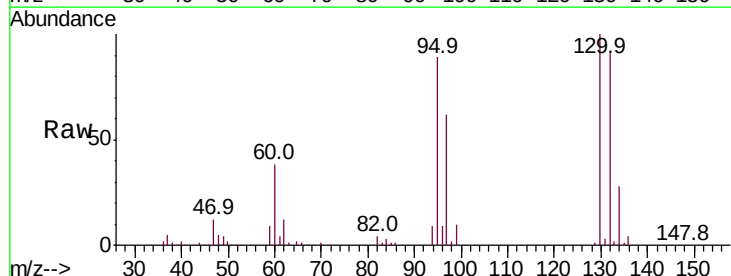
RT: 7.21 min Scan# 994

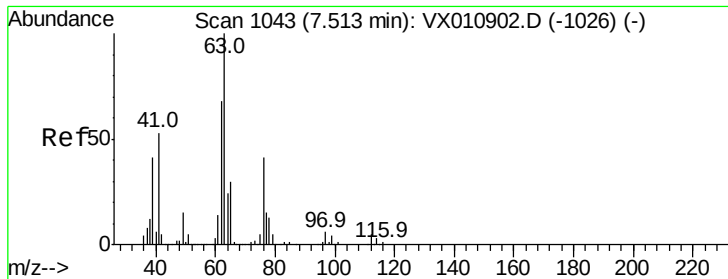
Delta R.T. 0.00 min

Lab File: VX011218.D

Acq: 31 Jul 2019 01:04

Tgt Ion:	130	Resp:	39828
Ion	Ratio	Lower	Upper
130	100		
95	88.6	0.0	174.8





#45

1,2-Dichloropropane

Concen: 20.808 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX011218.D

Acq: 31 Jul 2019 01:04

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBSD02

Tot Ion: 63 Resp: 36052

Ion Ratio Lower Upper

63 100

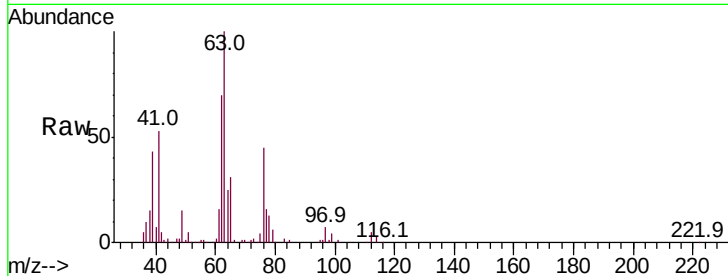
65 30.9 24.4 36.6

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

20000

15000

10000

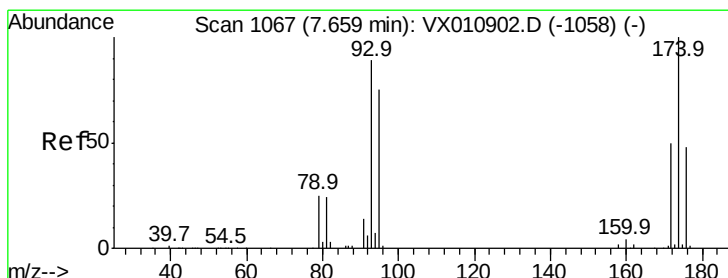
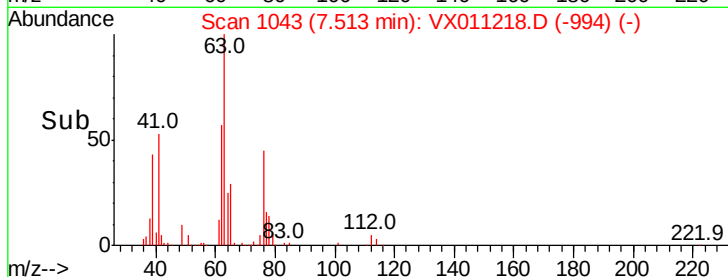
5000

0

Time-->

7.40 7.50 7.60

7.51



#46

Dibromomethane

Concen: 20.582 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX011218.D

Acq: 31 Jul 2019 01:04

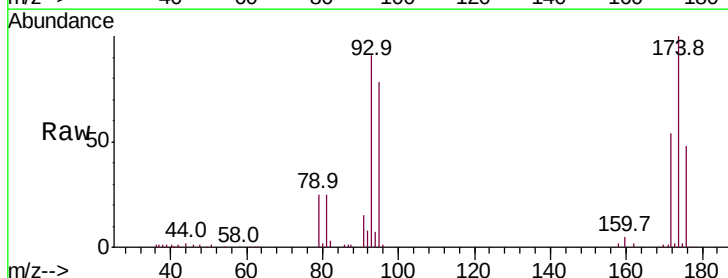
Tgt Ion: 93 Resp: 25482

Ion Ratio Lower Upper

93 100

95 83.3 67.2 100.8

174 111.1 90.6 135.8



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

15000

10000

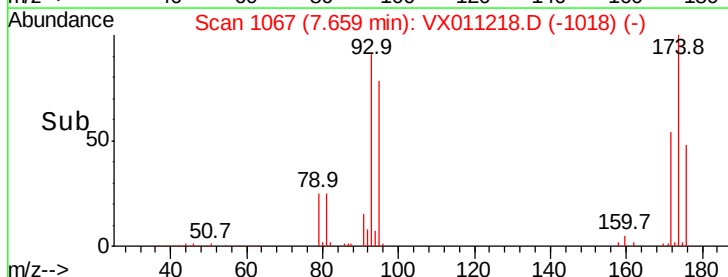
5000

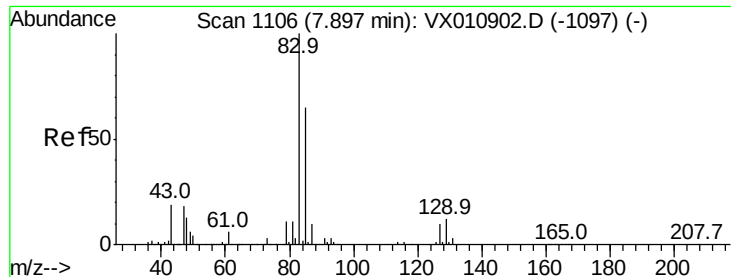
0

Time-->

7.60 7.70 7.80

7.66





#47

Bromodichloromethane

Concen: 20.288 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX011218.D

Acq: 31 Jul 2019 01:04

Instrument :

MSVOA_X

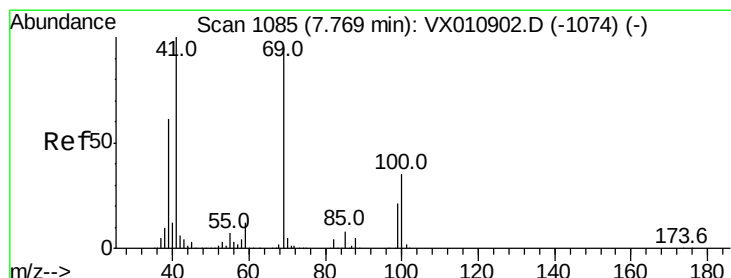
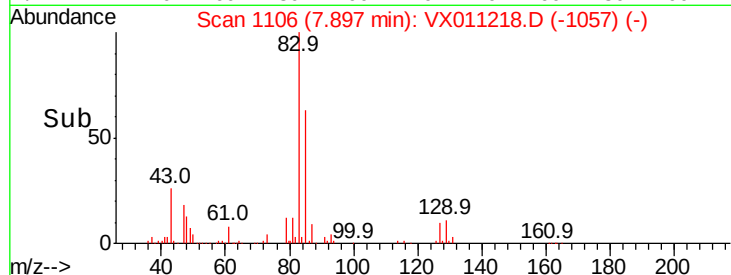
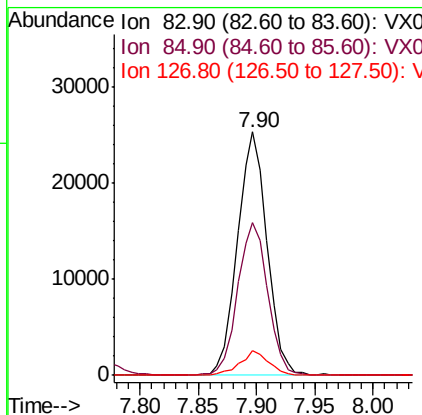
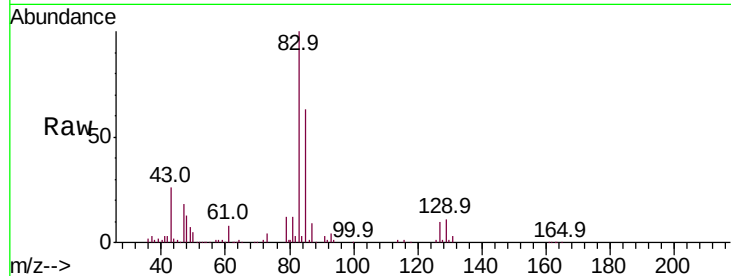
ClientSampleId :

VX0730WBSD02

Tot Ion:	83	Resp:	44713
Ion	Ratio	Lower	Upper
83	100		
85	62.8	52.5	78.7
127	10.1	7.8	11.8

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#48

Methyl methacrylate

Concen: 20.838 ug/l

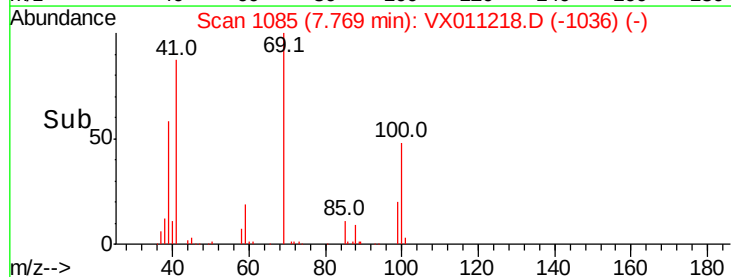
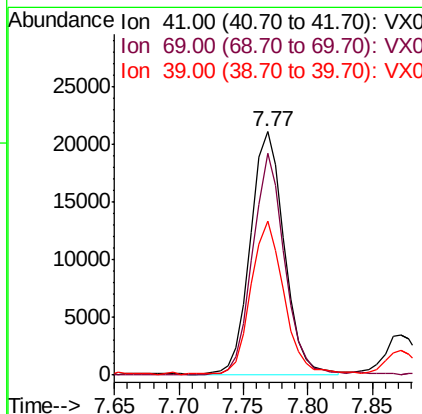
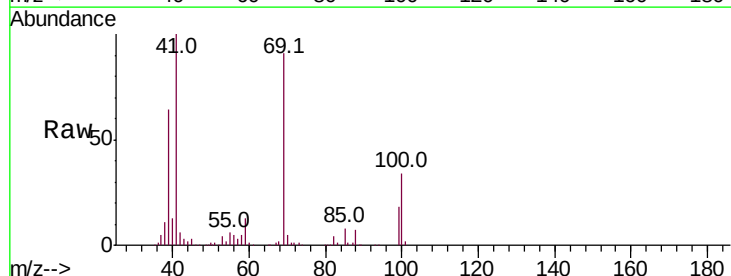
RT: 7.77 min Scan# 1085

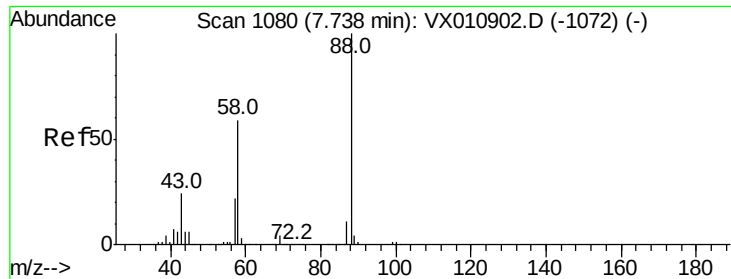
Delta R.T. 0.00 min

Lab File: VX011218.D

Acq: 31 Jul 2019 01:04

Tgt Ion:	41	Resp:	37983
Ion	Ratio	Lower	Upper
41	100		
69	86.8	74.4	111.6
39	61.8	48.9	73.3





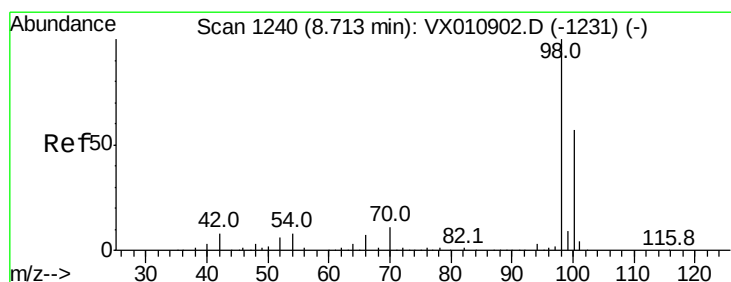
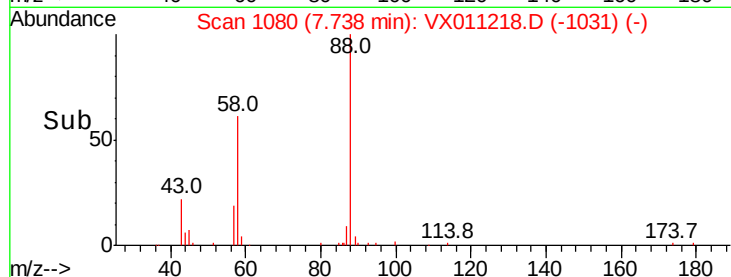
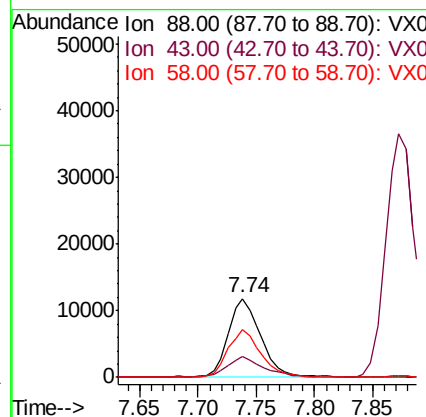
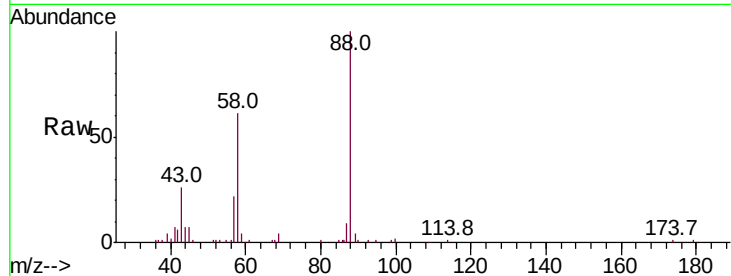
#49
1,4-Dioxane
Concen: 445.358 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX011218.D
Acq: 31 Jul 2019 01:04

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.5	22.9	34.3
58	62.8	49.8	74.8

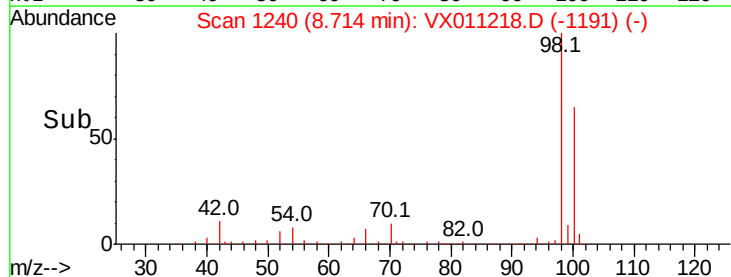
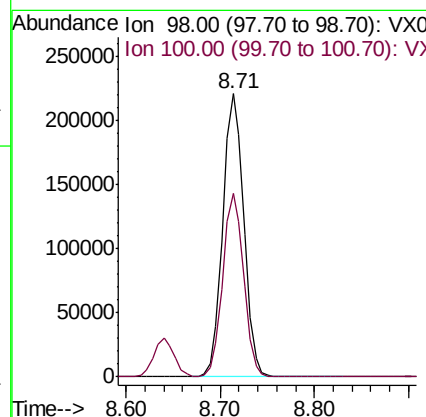
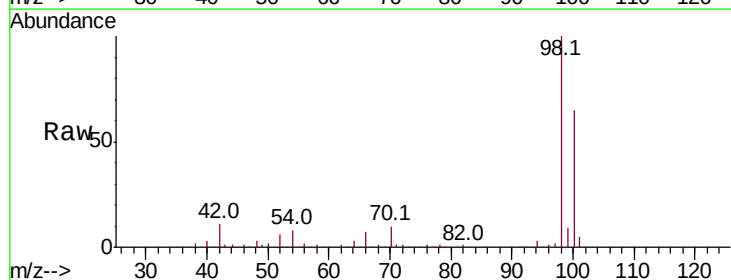
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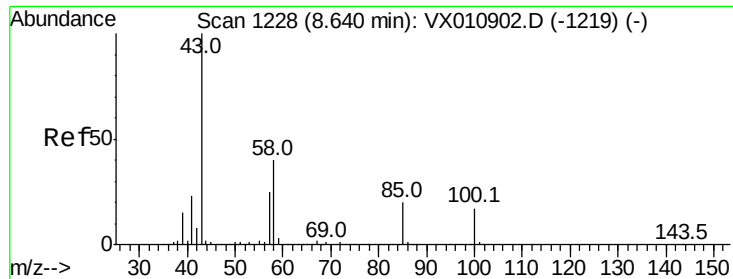
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#50
Toluene-d8
Concen: 53.064 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011218.D
Acq: 31 Jul 2019 01:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	50.6	75.8





#51

4-Methyl-2-Pentanone

Concen: 109.433 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX011218.D

Acq: 31 Jul 2019 01:04

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBSD02

Tot Ion: 43 Resp: 265437

Ion Ratio Lower Upper

43 100

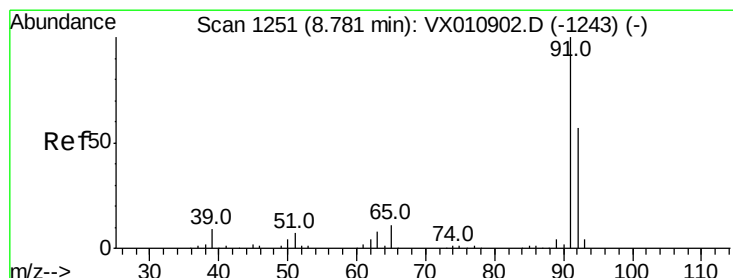
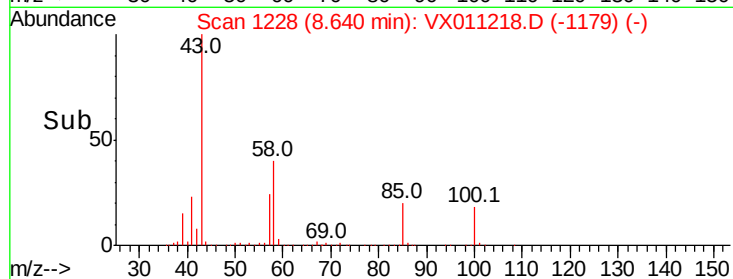
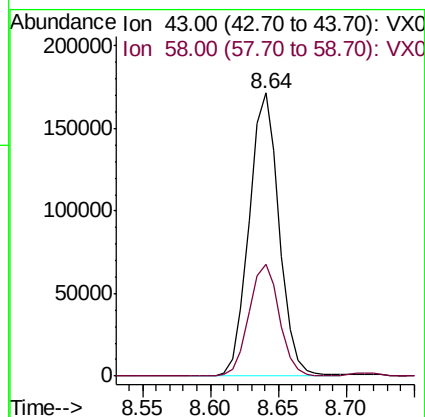
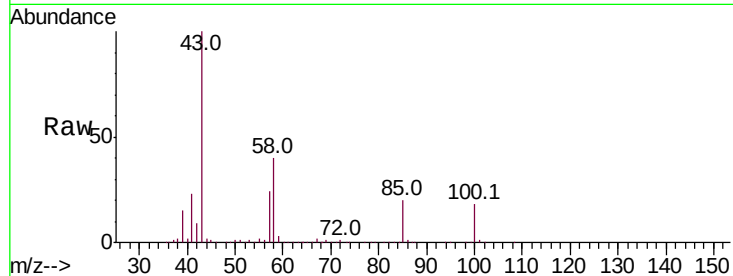
58 40.0 32.2 48.4

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#52

Toluene

Concen: 19.930 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011218.D

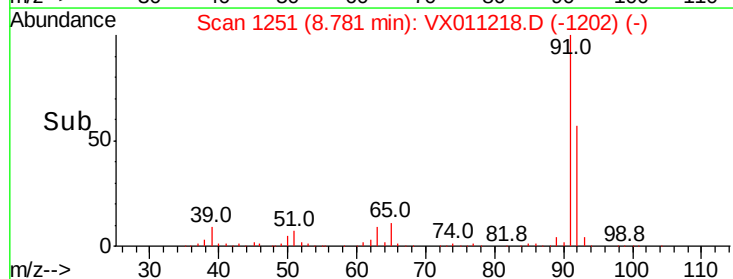
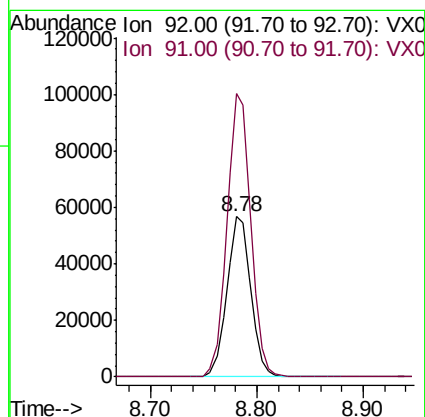
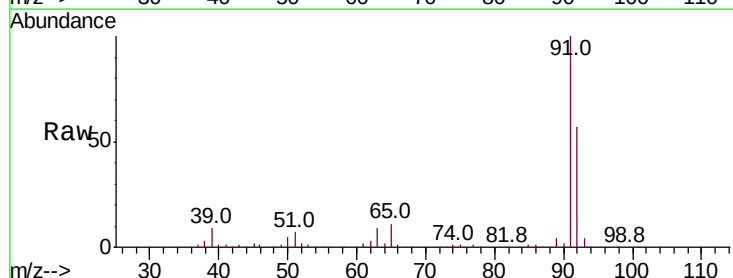
Acq: 31 Jul 2019 01:04

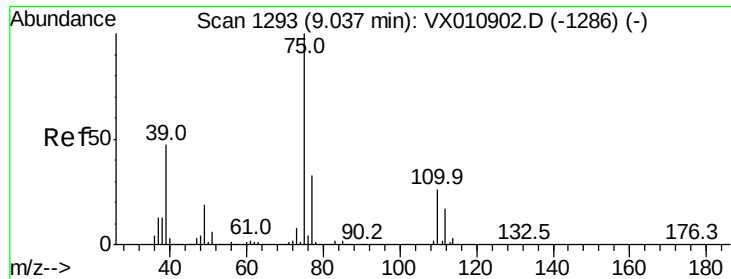
Tgt Ion: 92 Resp: 89127

Ion Ratio Lower Upper

92 100

91 175.9 139.4 209.0





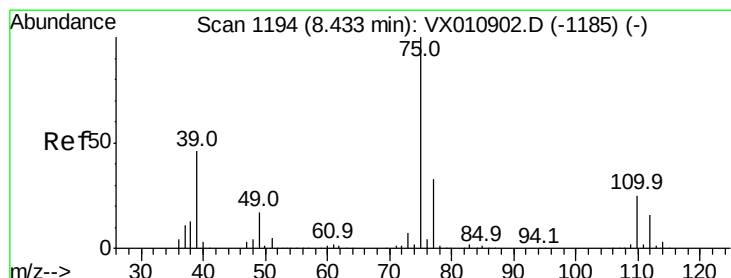
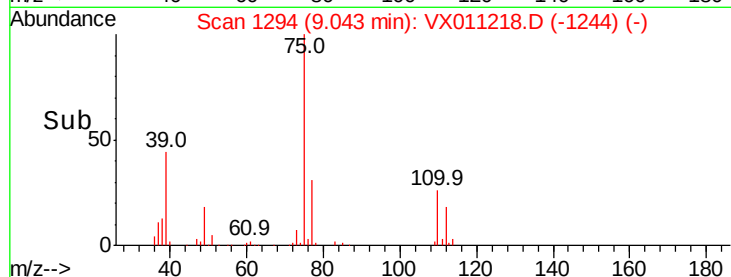
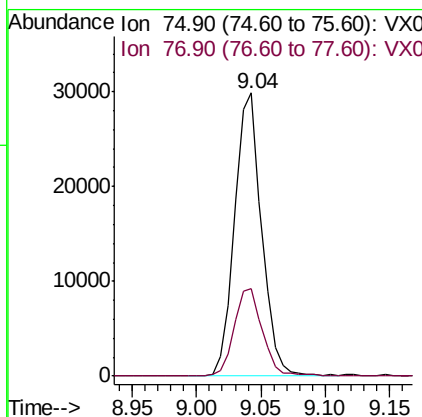
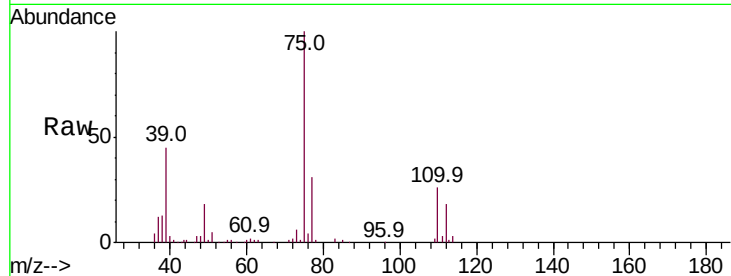
#53
t-1,3-Dichloropropene
Concen: 18.458 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX011218.D
Acq: 31 Jul 2019 01:04

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBSD02

Tot Ion: 75 Resp: 43741
Ion Ratio Lower Upper
75 100
77 30.9 26.2 39.2

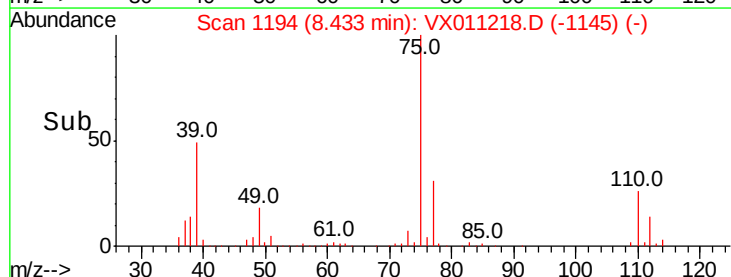
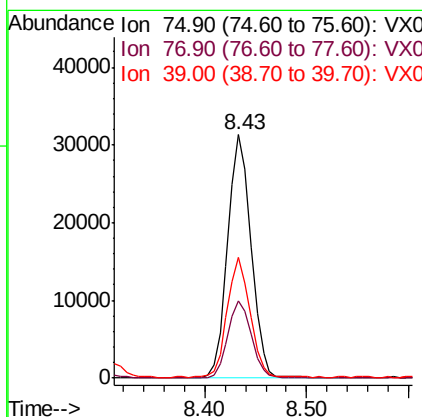
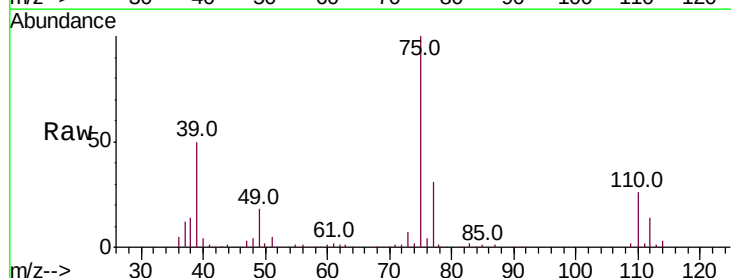
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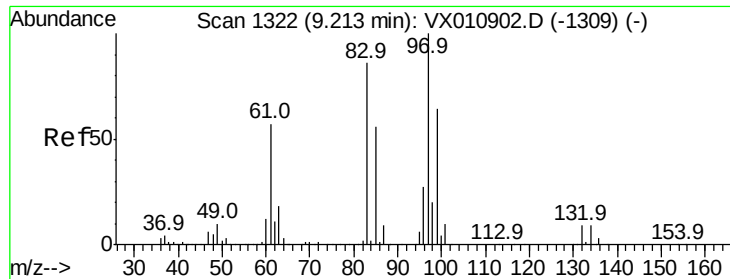
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#54
cis-1,3-Dichloropropene
Concen: 18.930 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX011218.D
Acq: 31 Jul 2019 01:04

Tgt Ion: 75 Resp: 49917
Ion Ratio Lower Upper
75 100
77 31.5 26.1 39.1
39 49.2 36.6 54.8





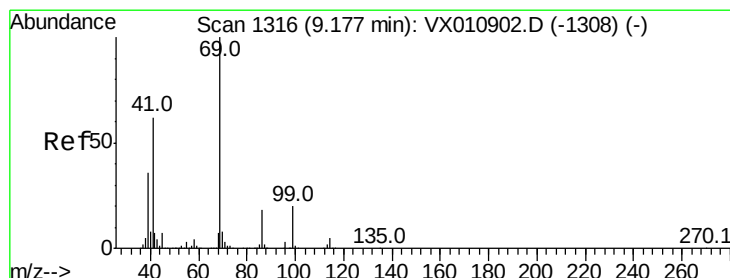
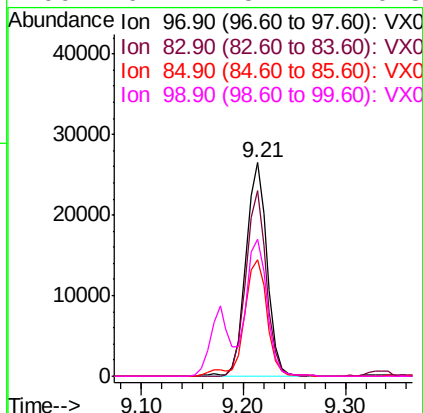
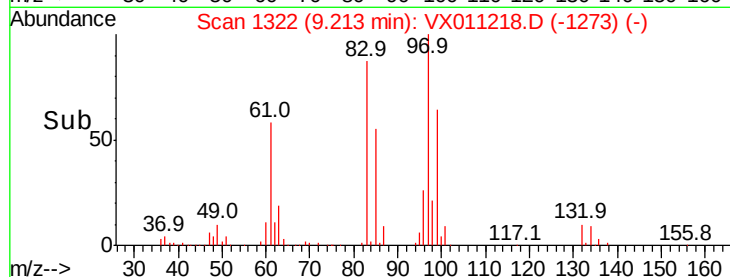
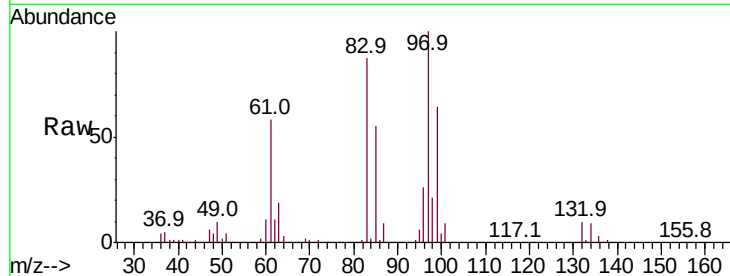
#55
 1,1,2-Trichloroethane
 Concen: 20.878 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011218.D
 Acq: 31 Jul 2019 01:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0730WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	86.7	69.2	103.8	
85	54.8	44.6	66.8	
99	64.1	51.2	76.8	

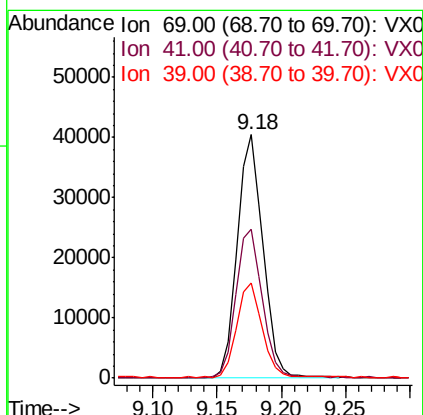
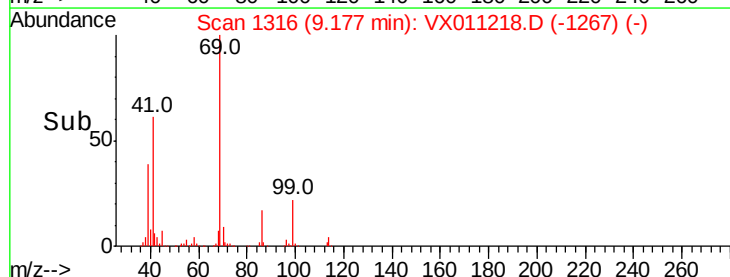
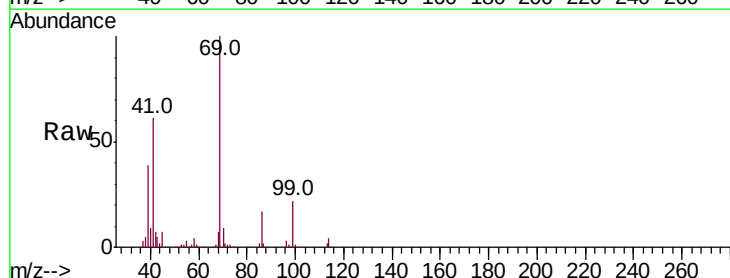
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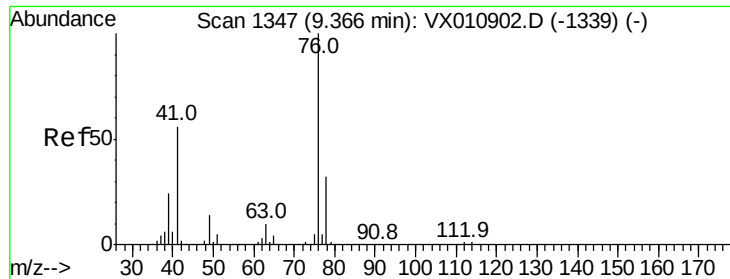
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#56
 Ethyl methacrylate
 Concen: 20.903 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX011218.D
 Acq: 31 Jul 2019 01:04

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	62.3	49.7	74.5	
39	37.8	29.6	44.4	





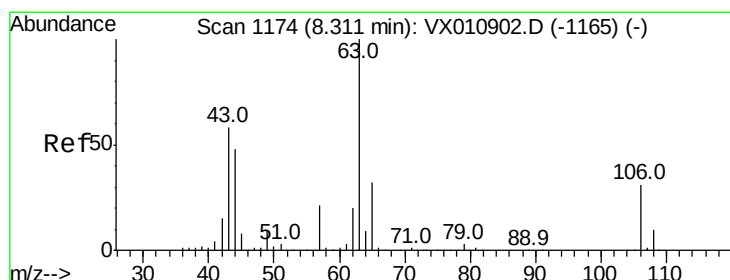
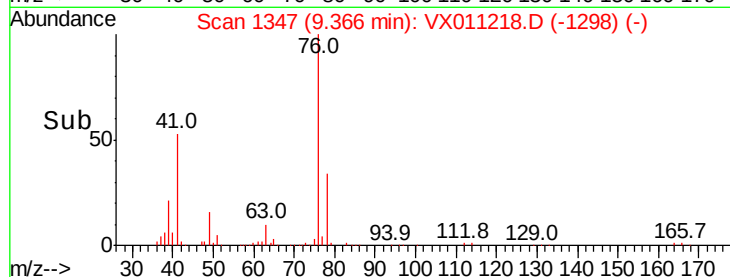
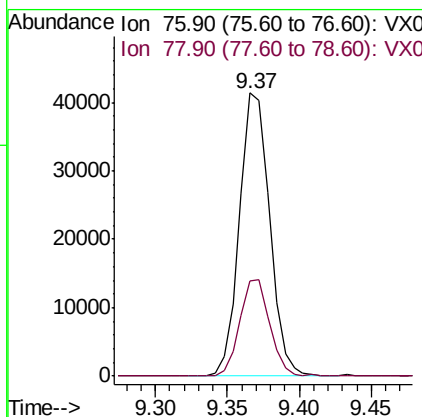
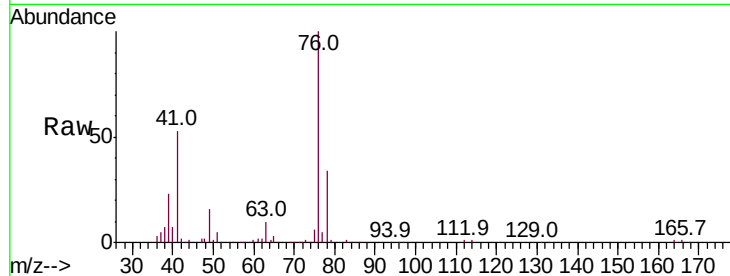
#57
 1,3-Dichloropropane
 Concen: 20.693 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VX011218.D
 Acq: 31 Jul 2019 01:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0730WBSD02

Tot Ion: 76 Resp: 60445
 Ion Ratio Lower Upper
 76 100
 78 33.9 25.6 38.4

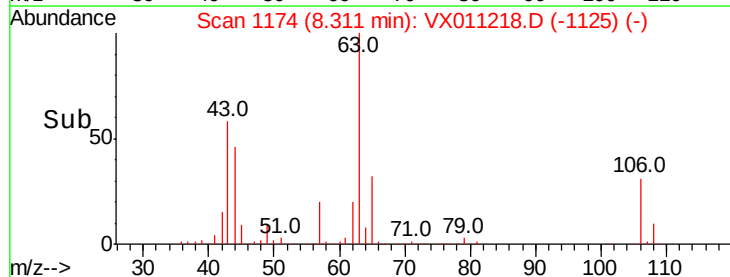
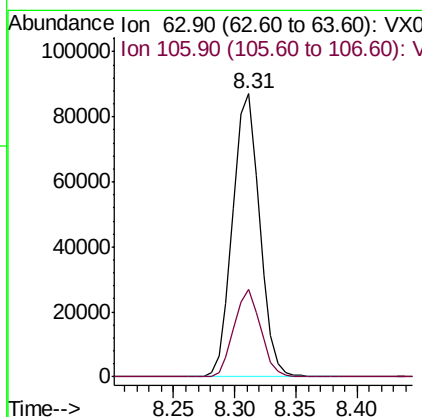
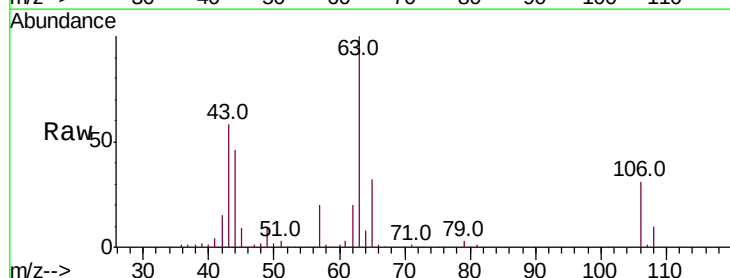
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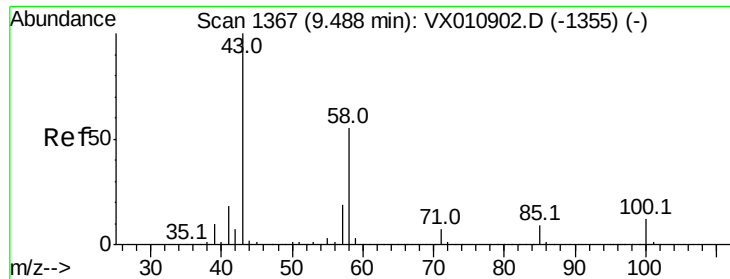
MMDadoda
 7/31/2019 10:56:02 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.700 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX011218.D
 Acq: 31 Jul 2019 01:04

Tgt Ion: 63 Resp: 133331
 Ion Ratio Lower Upper
 63 100
 106 30.7 24.0 36.0





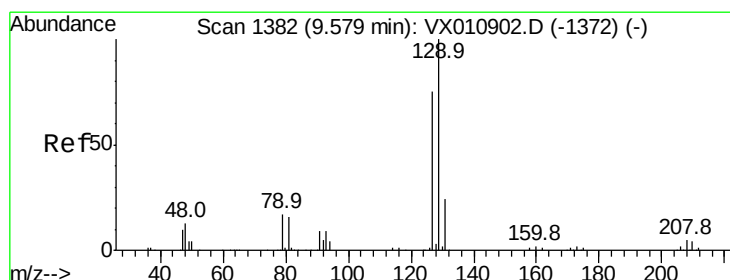
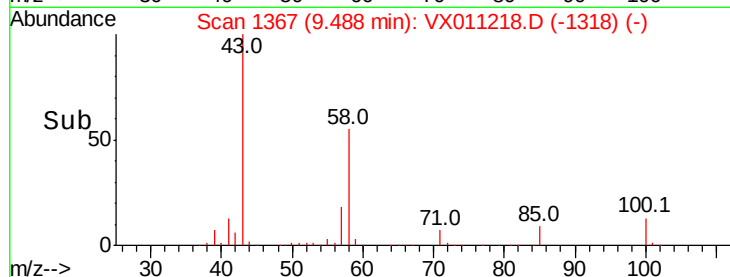
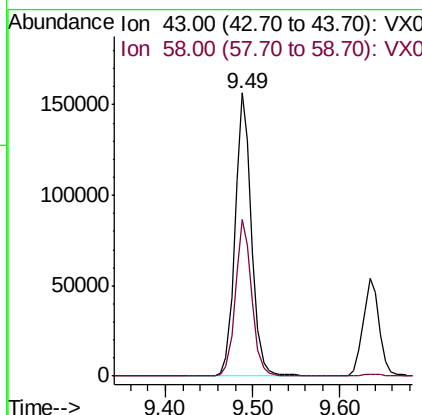
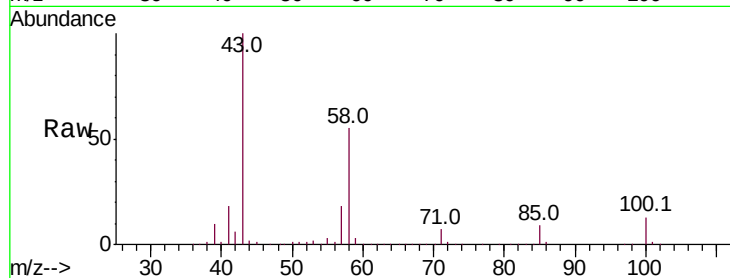
#59
2-Hexanone
Concen: 109.178 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011218.D
Acq: 31 Jul 2019 01:04

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBSD02

Tot Ion: 43 Resp: 205398
Ion Ratio Lower Upper
43 100
58 55.5 28.0 83.9

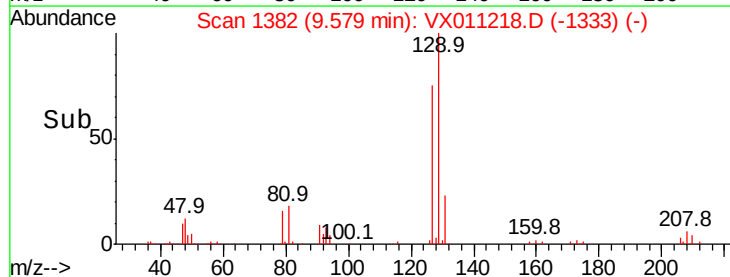
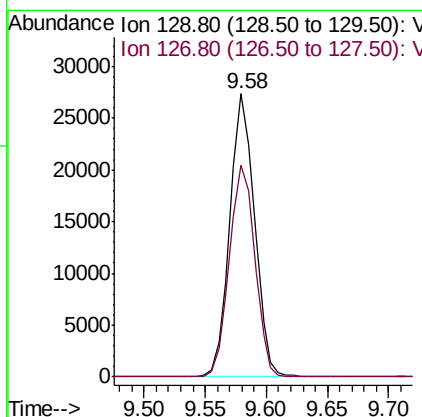
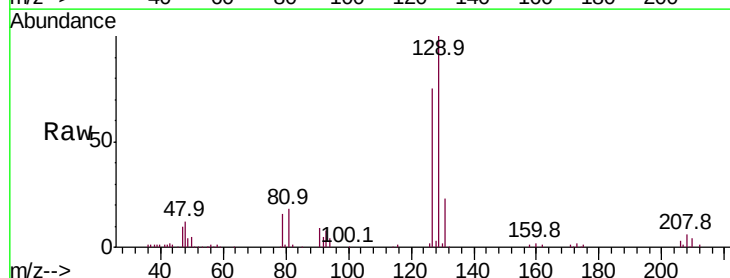
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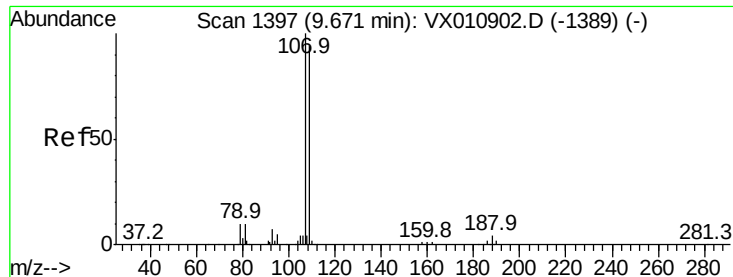
MMDadoda
7/31/2019 10:56:02 AM



#60
Dibromochloromethane
Concen: 19.621 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011218.D
Acq: 31 Jul 2019 01:04

Tgt Ion:129 Resp: 38151
Ion Ratio Lower Upper
129 100
127 77.3 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.667 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011218.D

Acq: 31 Jul 2019 01:04

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBSD02

Tot Ion:107 Resp: 40387

Ion Ratio Lower Upper

107 100

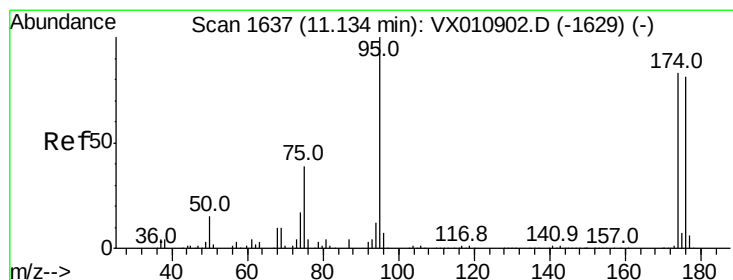
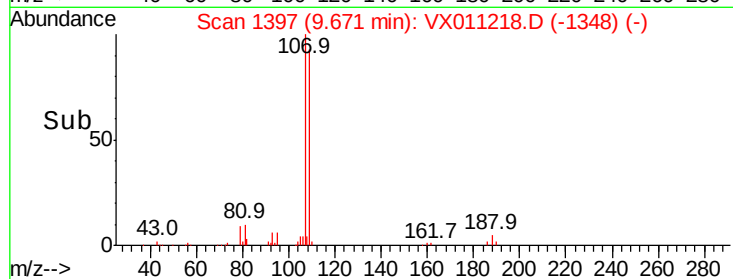
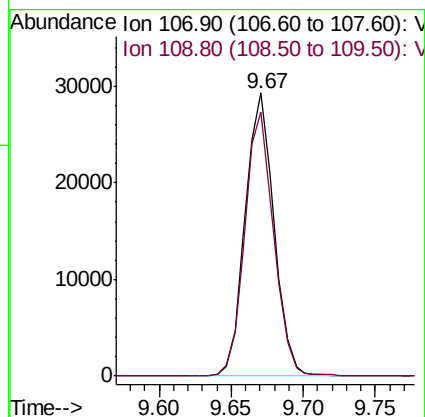
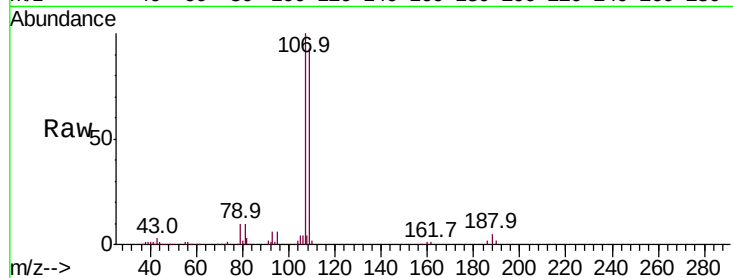
109 93.5 75.4 113.0

Manual Integrations

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MMDadoda

7/31/2019 10:56:02 AM



#62

4-Bromofluorobenzene

Concen: 54.083 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011218.D

Acq: 31 Jul 2019 01:04

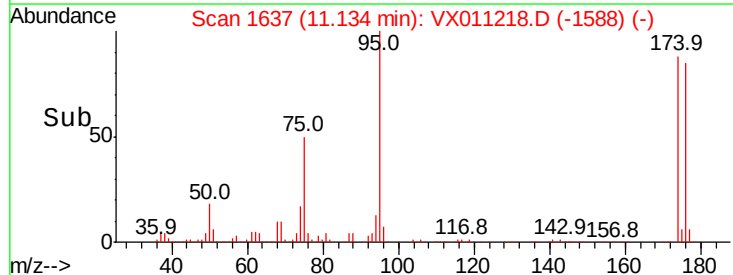
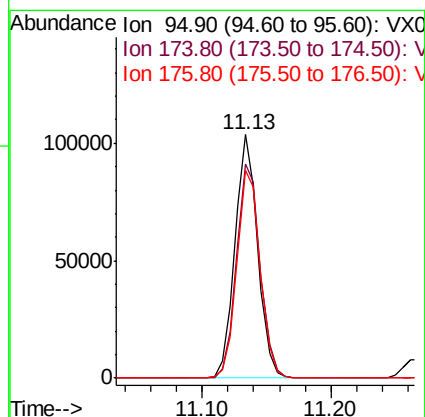
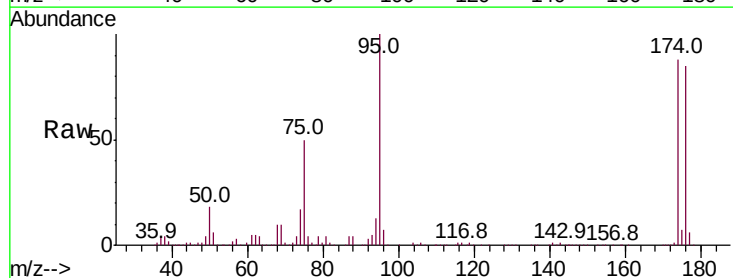
Tgt Ion: 95 Resp: 128037

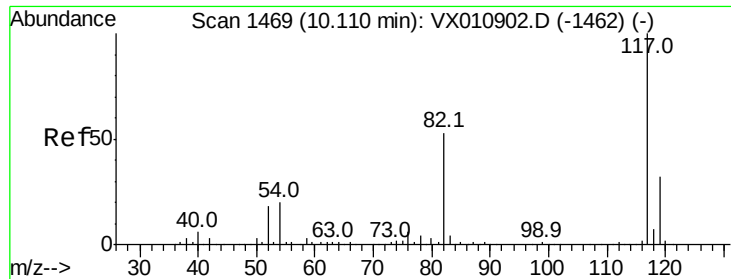
Ion Ratio Lower Upper

95 100

174 91.1 0.0 180.6

176 87.6 0.0 173.8





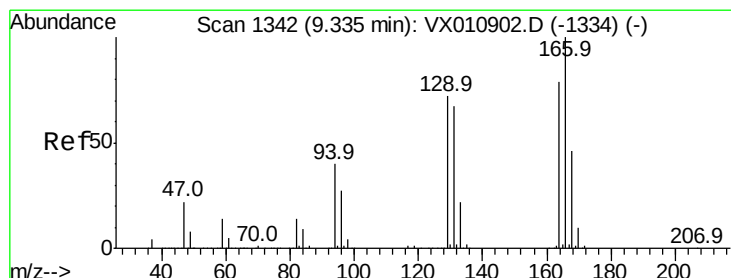
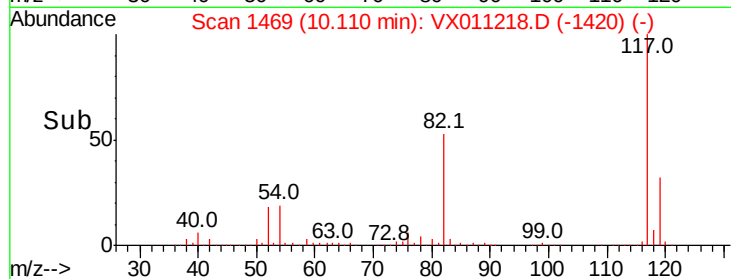
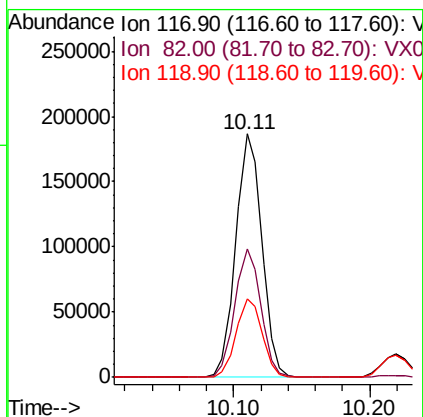
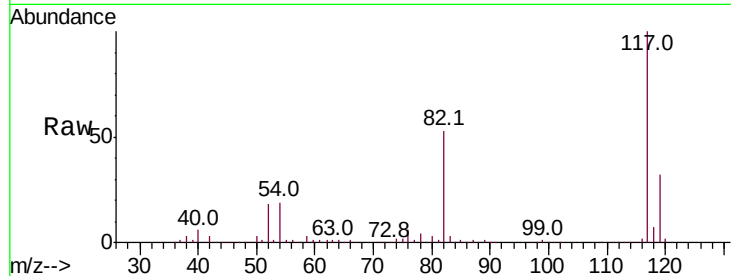
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011218.D
Acq: 31 Jul 2019 01:04

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.6	63.8
119	32.4	25.9	38.9

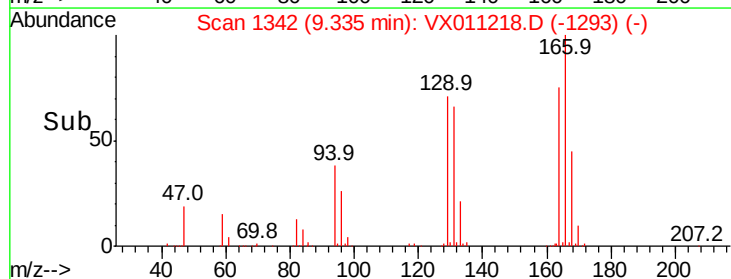
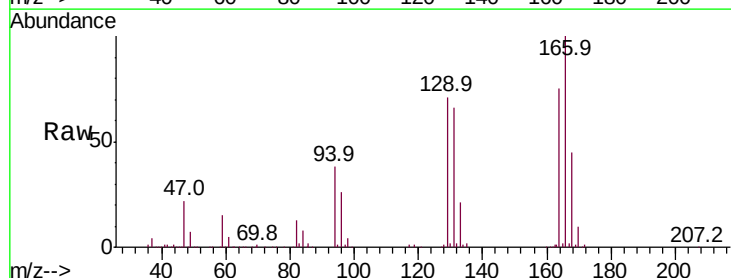
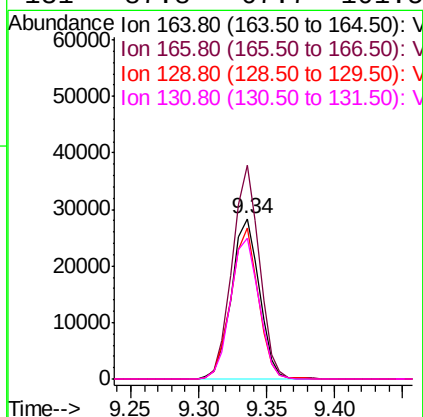
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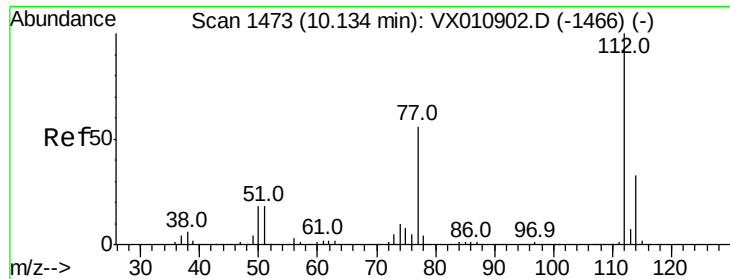
MMDadoda
7/31/2019 10:56:02 AM



#64
Tetrachloroethene
Concen: 20.634 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011218.D
Acq: 31 Jul 2019 01:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.5	100.8	151.2
129	94.1	72.6	109.0
131	87.8	67.7	101.5





#65

Chlorobenzene

Concen: 19.987 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX011218.D

Acq: 31 Jul 2019 01:04

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBSD02

Tot Ion:112 Resp: 102700

Ion Ratio Lower Upper

112 100

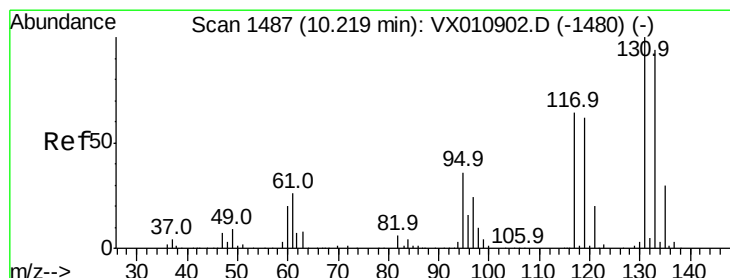
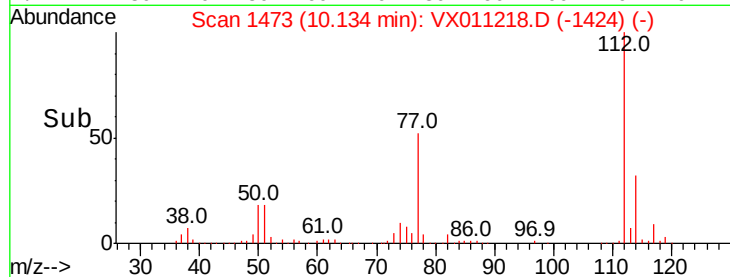
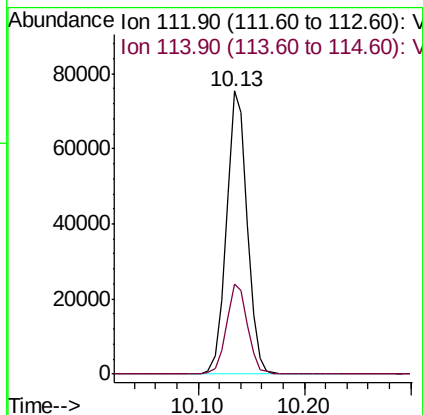
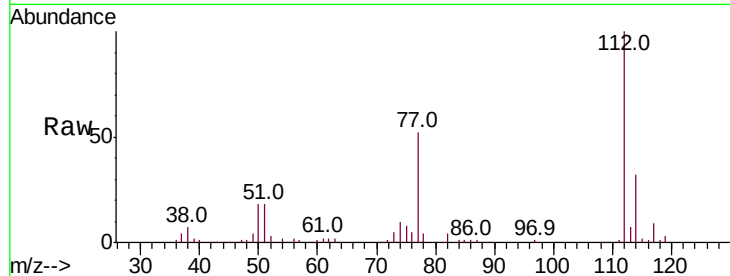
114 31.6 26.2 39.4

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.373 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX011218.D

Acq: 31 Jul 2019 01:04

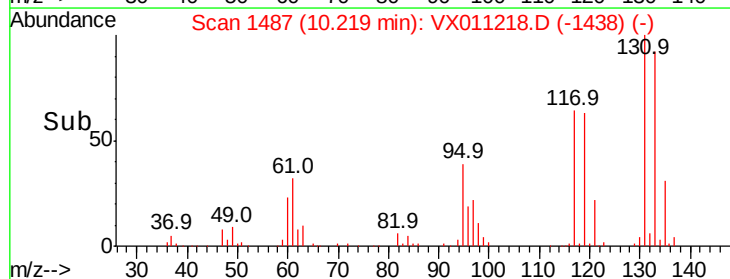
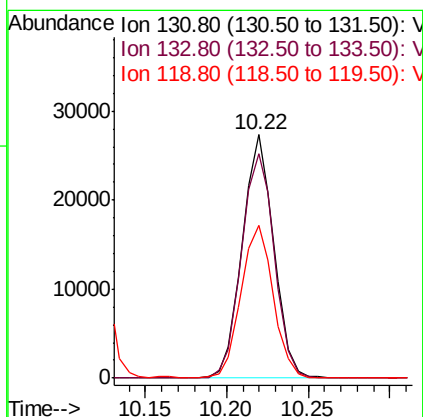
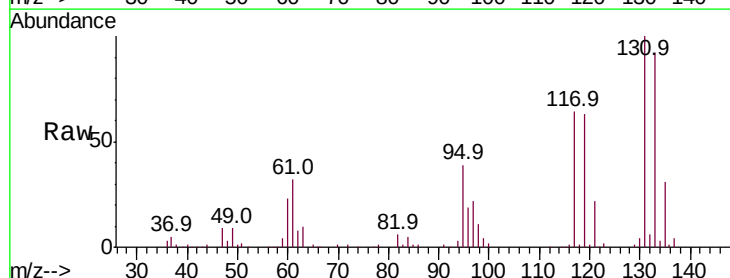
Tgt Ion:131 Resp: 36791

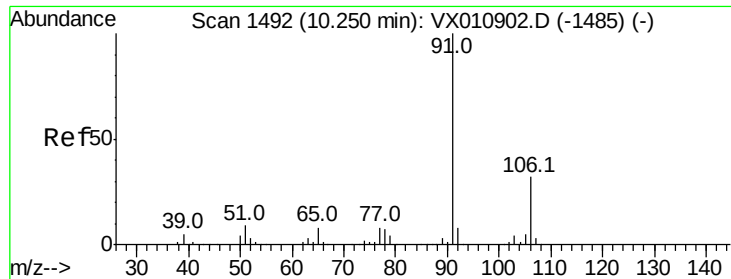
Ion Ratio Lower Upper

131 100

133 96.0 47.1 141.4

119 64.6 31.9 95.7





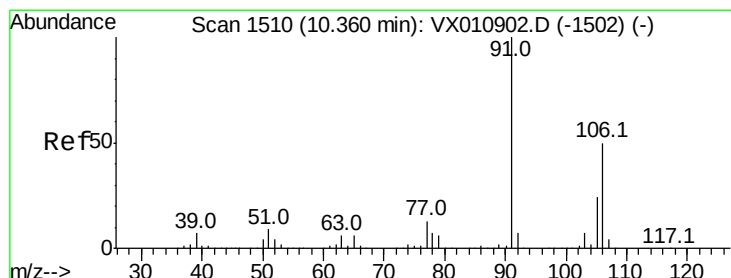
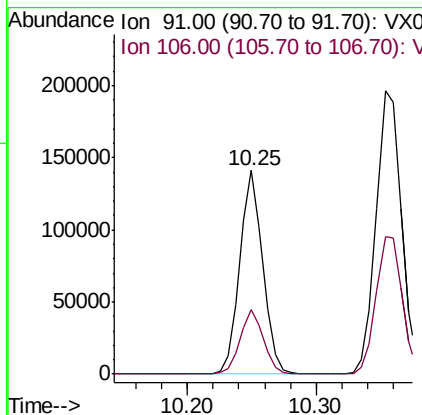
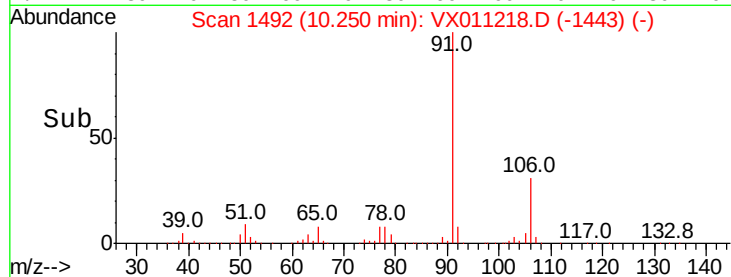
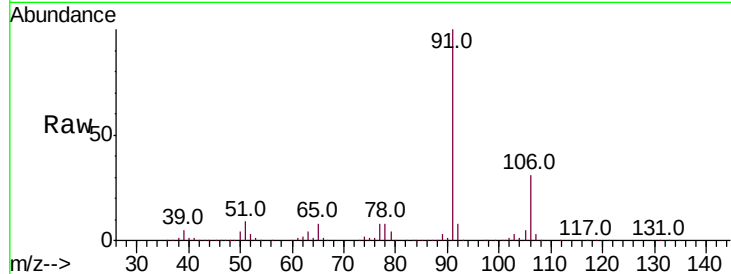
#67
Ethyl Benzene
Concen: 19.941 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011218.D
Acq: 31 Jul 2019 01:04

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBSD02

Tot Ion: 91 Resp: 174408
Ion Ratio Lower Upper
91 100
106 31.5 25.4 38.2

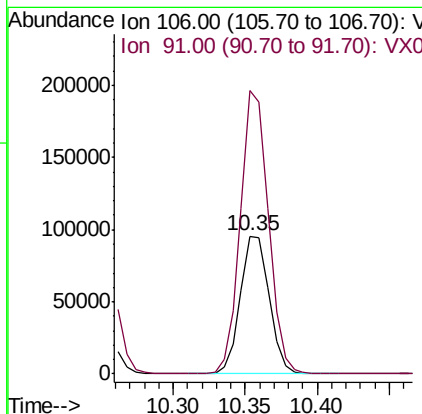
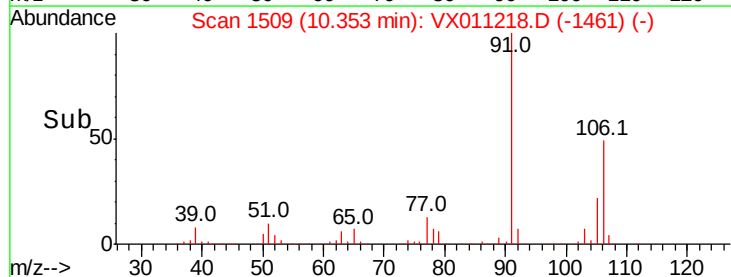
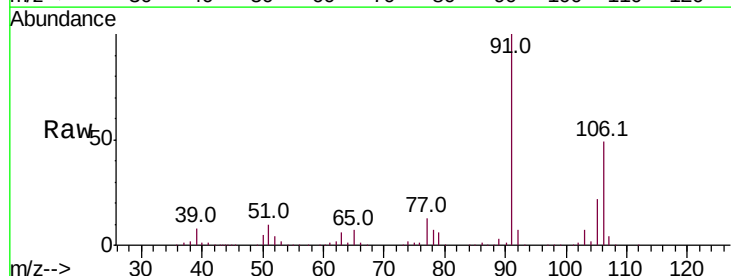
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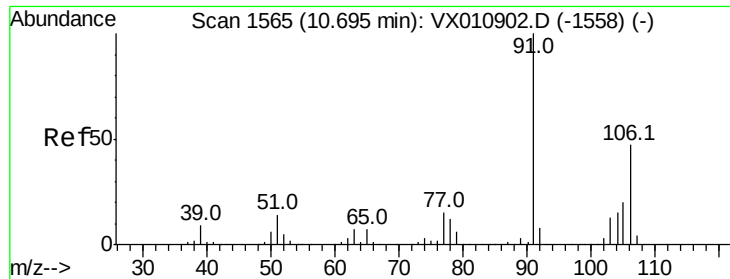
MMDadoda
7/31/2019 10:56:02 AM



#68
m/p-Xylenes
Concen: 39.841 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX011218.D
Acq: 31 Jul 2019 01:04

Tgt Ion: 106 Resp: 133661
Ion Ratio Lower Upper
106 100
91 199.9 160.1 240.1





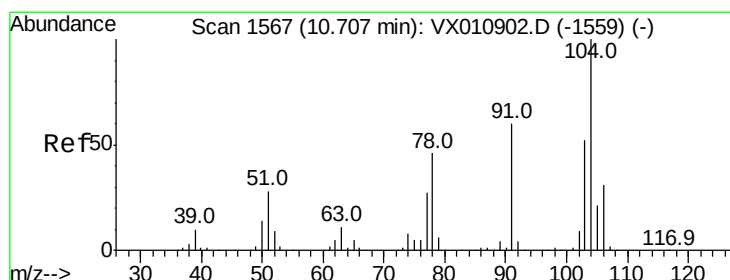
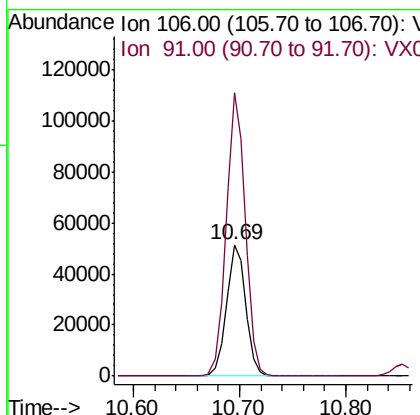
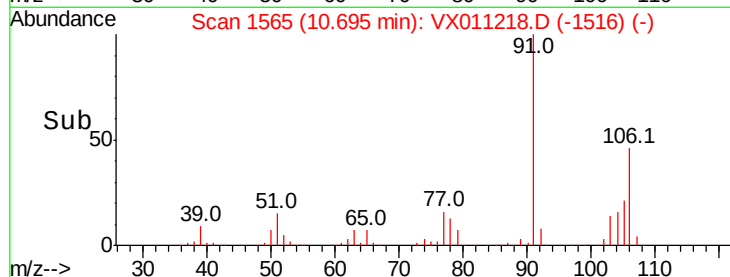
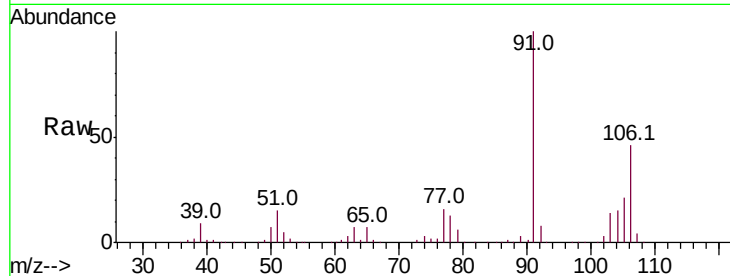
#69
o-Xylene
Concen: 19.813 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011218.D
Acq: 31 Jul 2019 01:04

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBSD02

Tot Ion:106 Resp: 64872
Ion Ratio Lower Upper
106 100
91 213.5 105.1 315.3

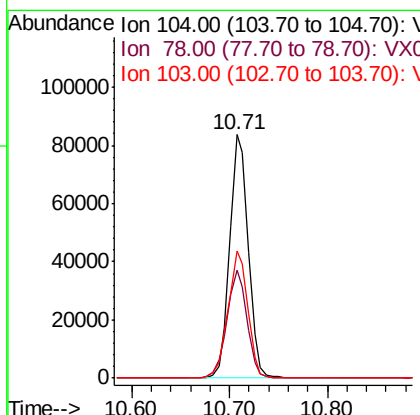
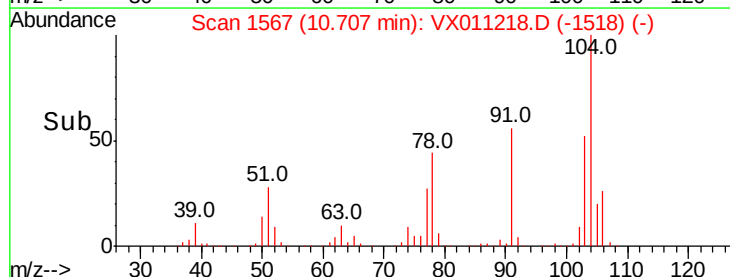
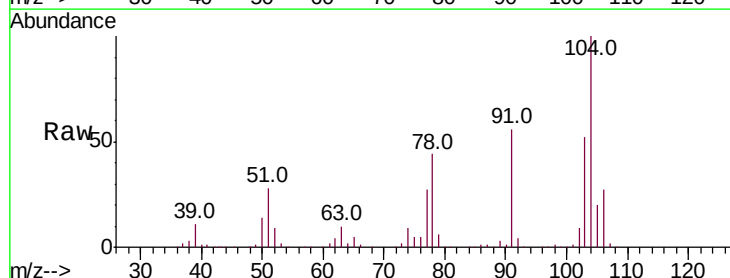
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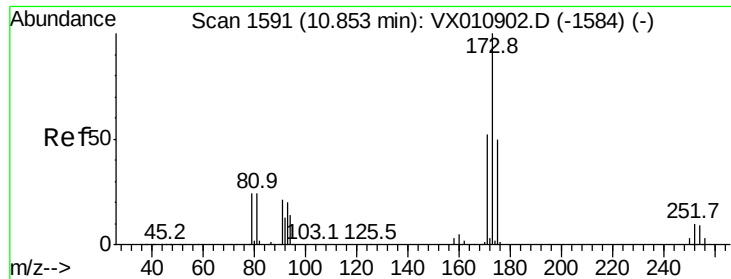
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#70
Styrene
Concen: 20.261 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011218.D
Acq: 31 Jul 2019 01:04

Tgt Ion:104 Resp: 110585
Ion Ratio Lower Upper
104 100
78 48.2 38.8 58.2
103 55.9 44.2 66.4





#71

Bromoform

Concen: 18.151 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011218.D

Acq: 31 Jul 2019 01:04

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBSD02

Tot Ion:173 Resp: 27032

Ion Ratio Lower Upper

173 100

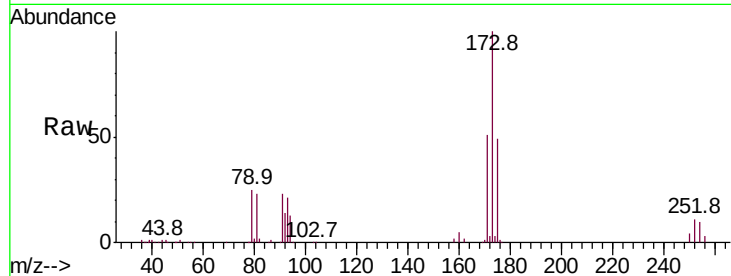
175 50.1 24.6 73.6

254 0.0 0.1 0.1#

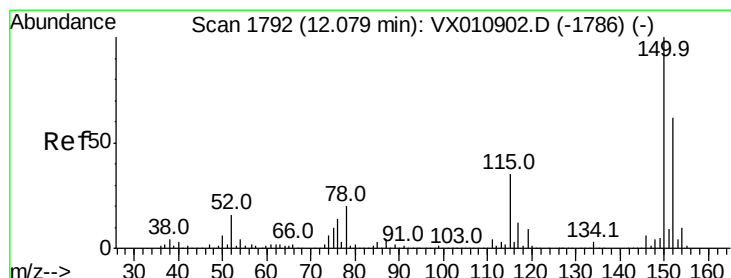
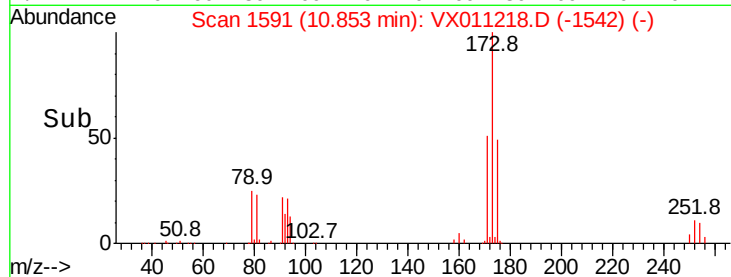
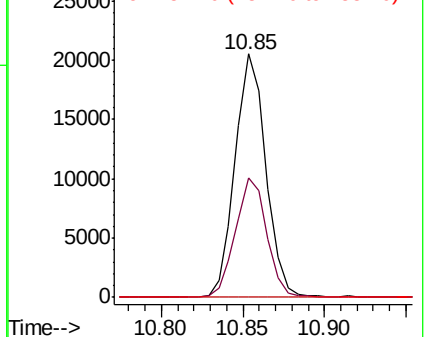
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX011218.D

Acq: 31 Jul 2019 01:04

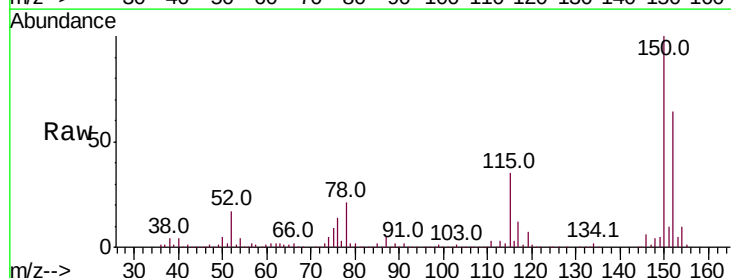
Tgt Ion:152 Resp: 129650

Ion Ratio Lower Upper

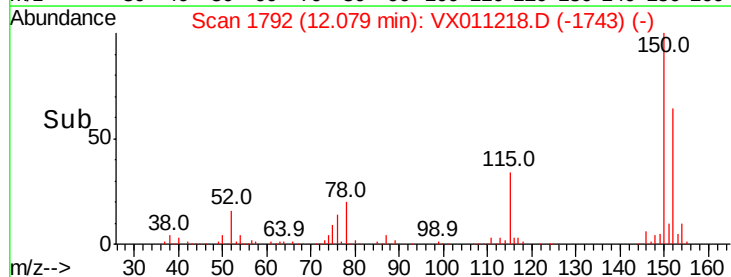
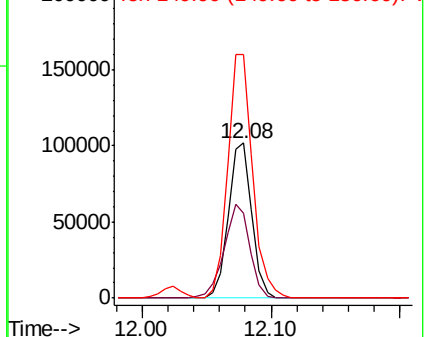
152 100

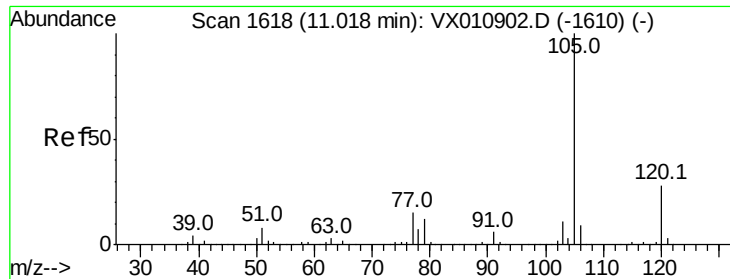
115 66.4 39.7 119.1

150 167.1 0.0 345.6



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





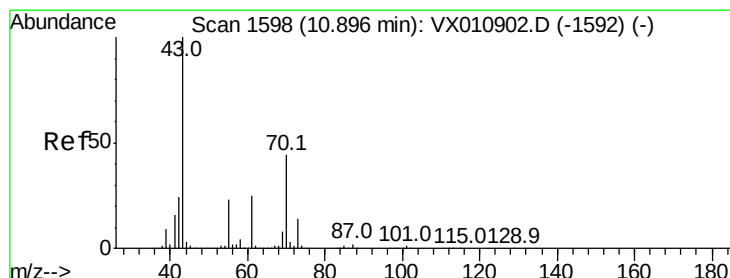
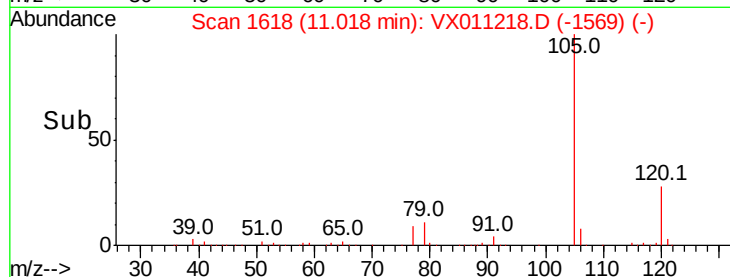
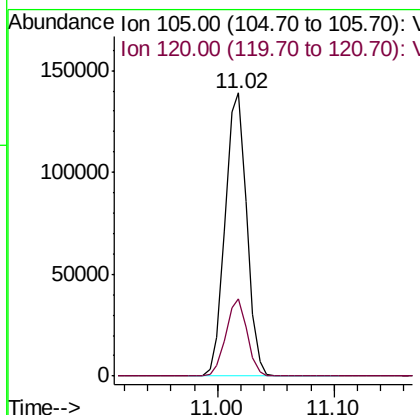
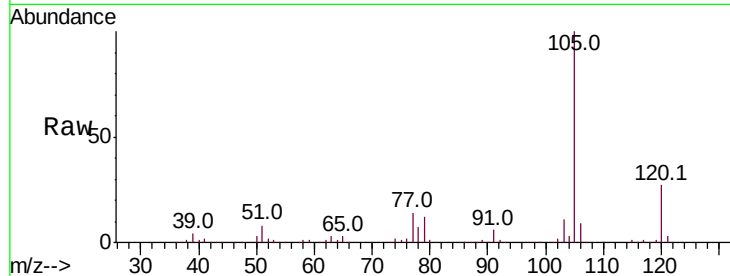
#73
Isopropylbenzene
Concen: 20.405 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX011218.D
Acq: 31 Jul 2019 01:04

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBSD02

Tot Ion:105 Resp: 178761
Ion Ratio Lower Upper
105 100
120 26.7 13.7 41.1

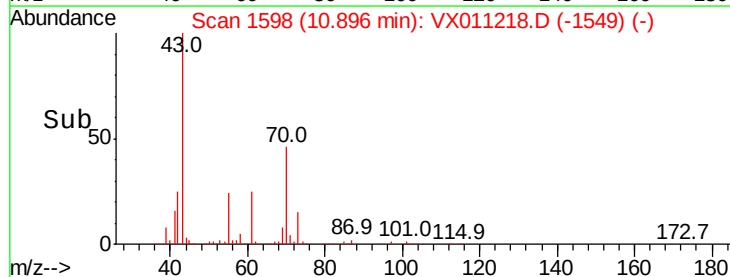
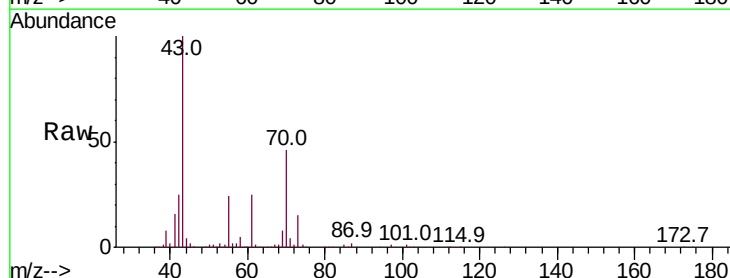
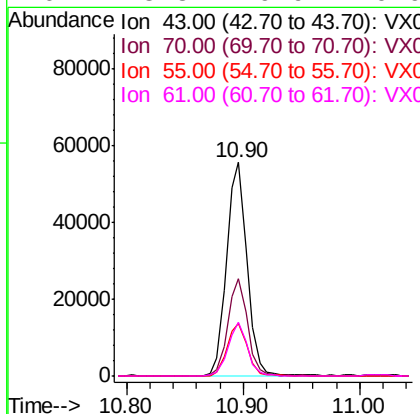
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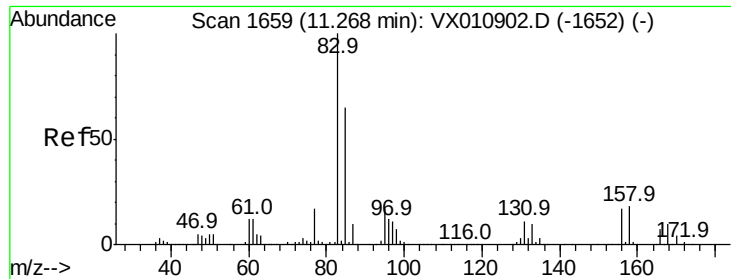
MMDadoda
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#74
N-ethyl acetate
Concen: 20.273 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX011218.D
Acq: 31 Jul 2019 01:04

Tgt Ion: 43 Resp: 67861
Ion Ratio Lower Upper
43 100
70 43.3 34.7 52.1
55 24.7 19.1 28.7
61 23.8 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.567 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011218.D

Acq: 31 Jul 2019 01:04

Instrument :

MSVOA_X

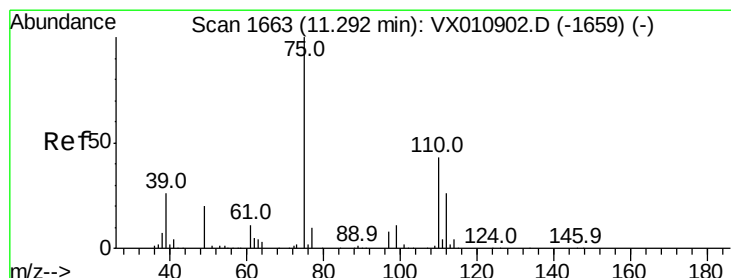
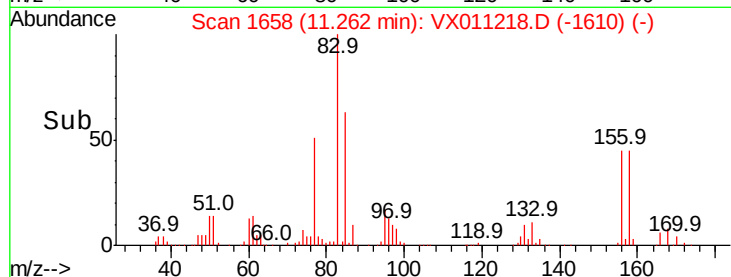
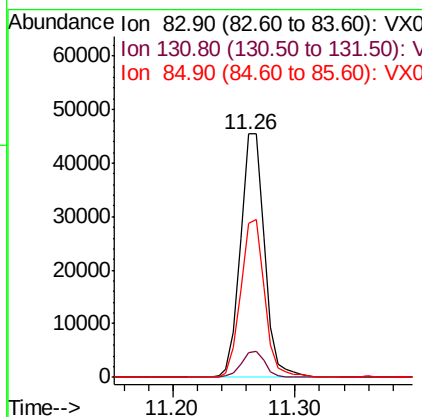
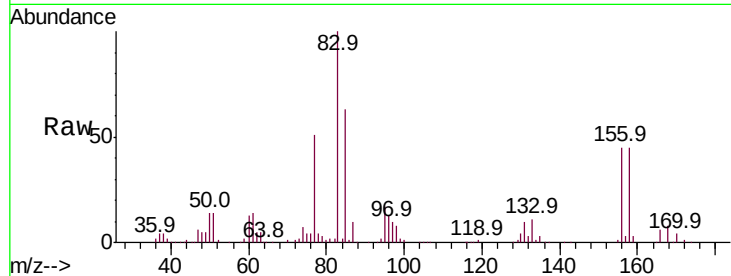
ClientSampleId :

VX0730WBSD02

Tot Ion:	83	Resp:	61830
Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.5	16.4
85	64.2	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.636 ug/l m

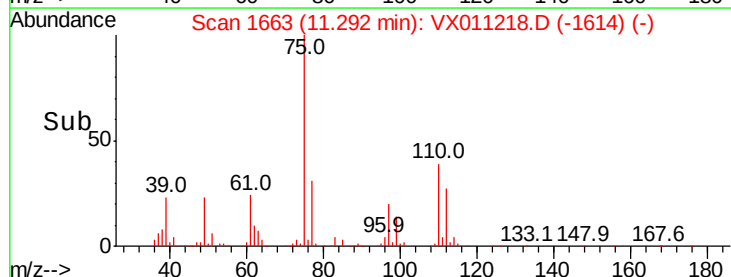
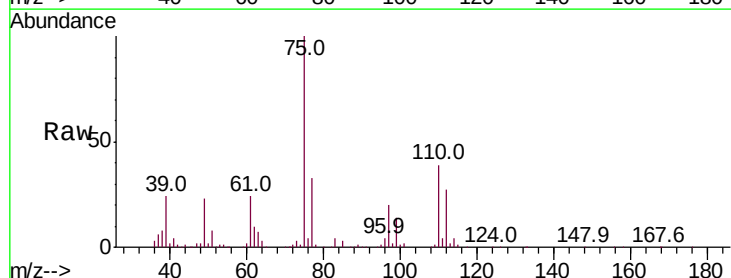
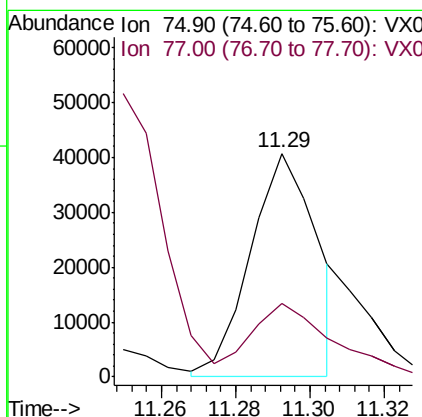
RT: 11.29 min Scan# 1663

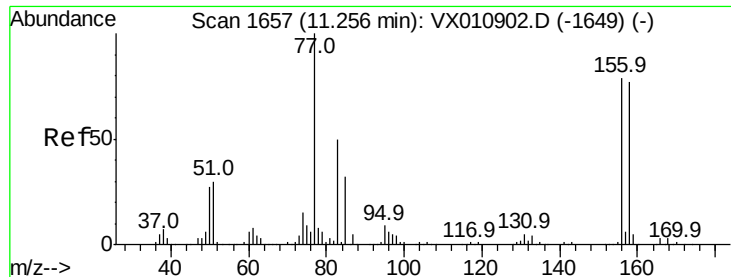
Delta R.T. 0.00 min

Lab File: VX011218.D

Acq: 31 Jul 2019 01:04

Tgt Ion:	75	Resp:	50620
Ion	Ratio	Lower	Upper
75	100		
77	40.8	21.3	64.0





#77

Bromobenzene

Concen: 19.963 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011218.D

Acq: 31 Jul 2019 01:04

Instrument :

MSVOA_X

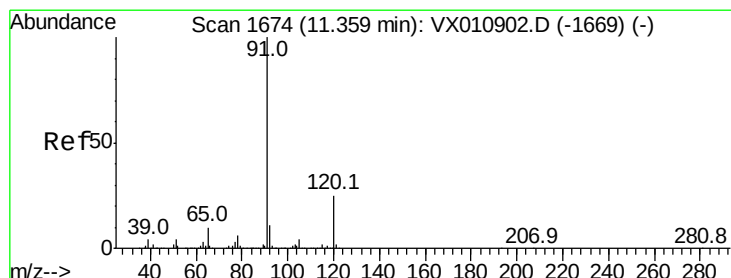
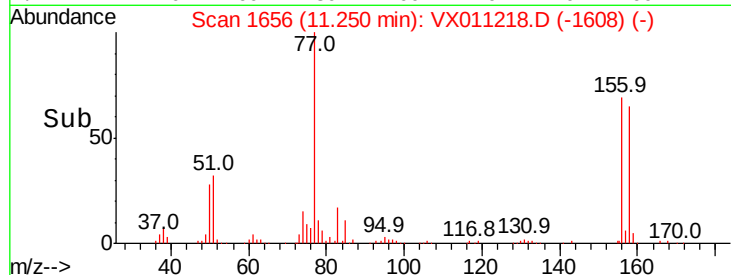
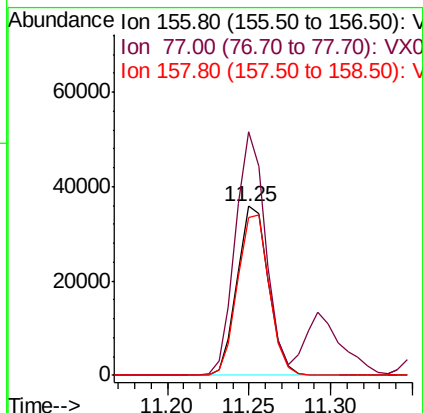
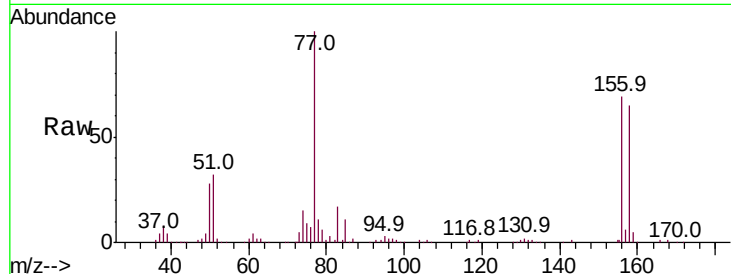
ClientSampleId :

VX0730WBSD02

Tot Ion	Ratio	Lower	Upper
156	100		
77	139.0	68.7	206.1
158	95.6	47.9	143.7

Manual Integrations
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#78

n-propylbenzene

Concen: 20.351 ug/l

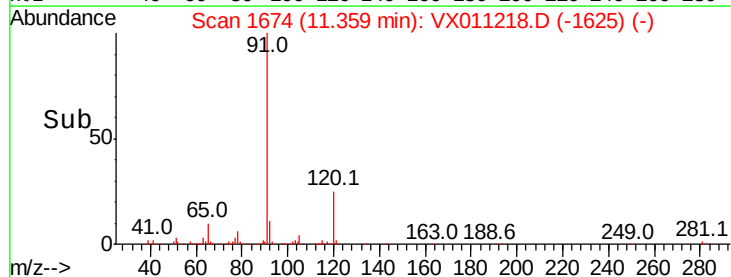
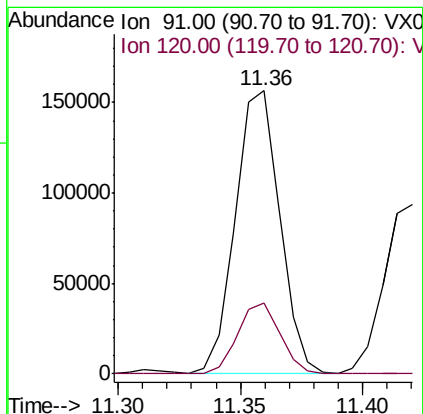
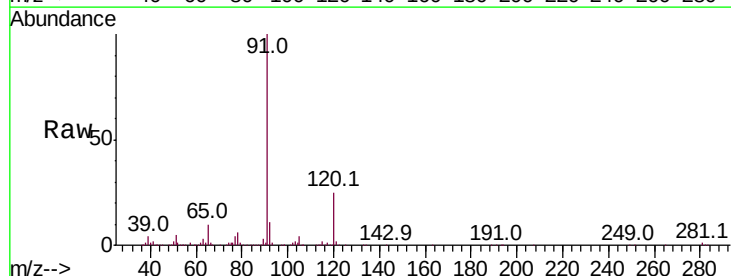
RT: 11.36 min Scan# 1674

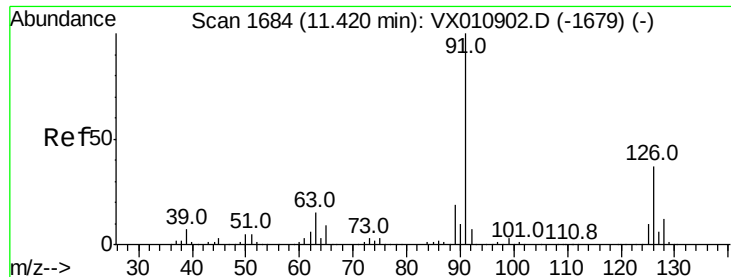
Delta R.T. 0.00 min

Lab File: VX011218.D

Acq: 31 Jul 2019 01:04

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.3	12.3	36.8





#79

2-Chlorotoluene

Concen: 20.510 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011218.D

Acq: 31 Jul 2019 01:04

Instrument :

MSVOA_X

ClientSampled :

VX0730WBSD02

Tot Ion: 91 Resp: 119259

Ion Ratio Lower Upper

91 100

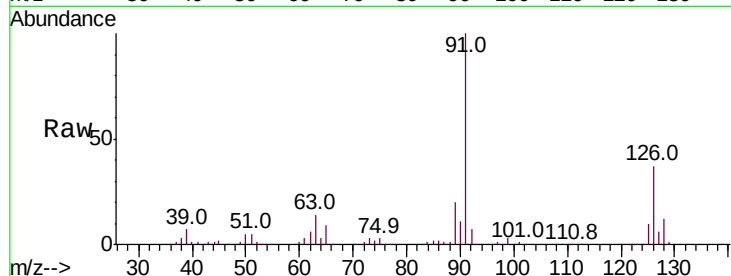
126 36.2 18.0 54.0

Manual Integrations

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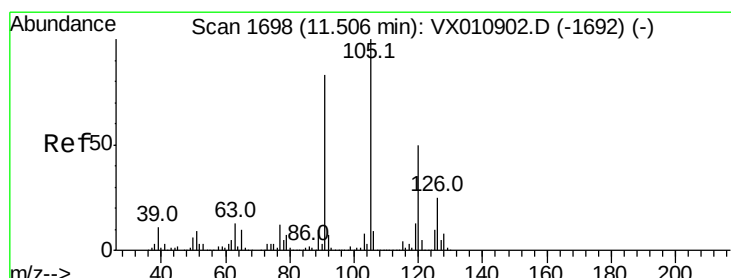
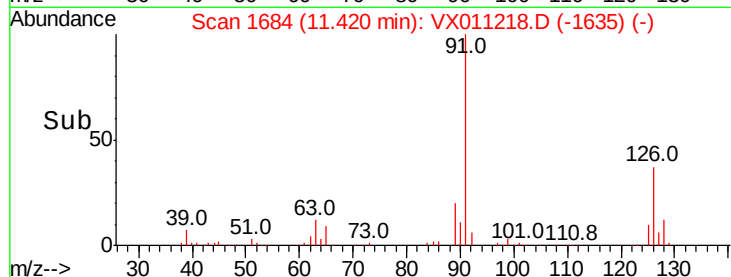
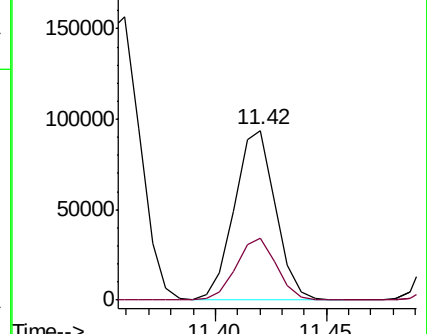
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.639 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011218.D

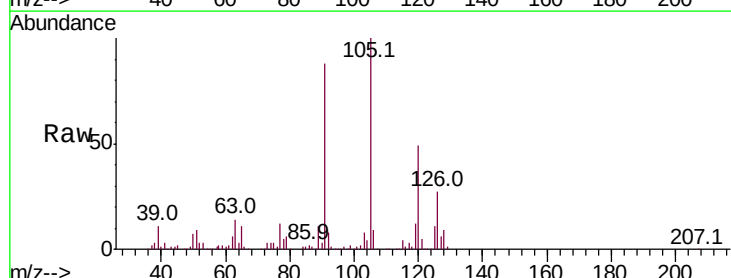
Acq: 31 Jul 2019 01:04

Tgt Ion: 105 Resp: 151082

Ion Ratio Lower Upper

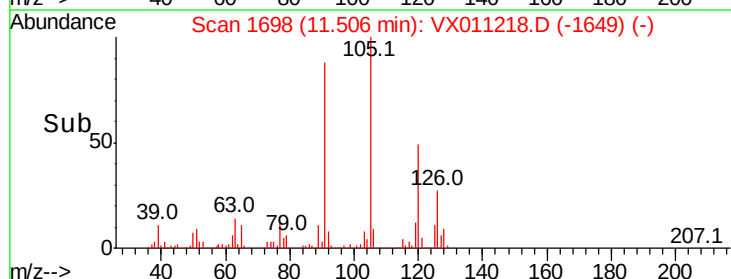
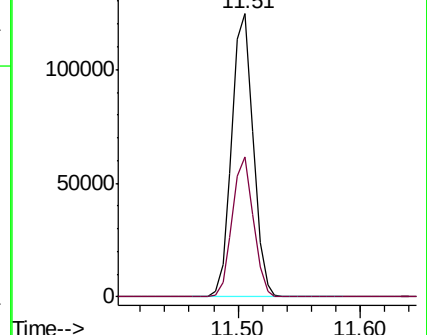
105 100

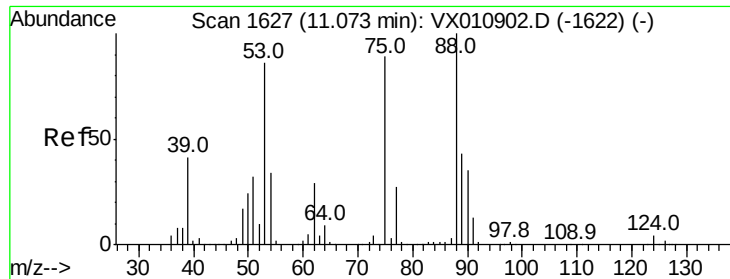
120 48.8 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





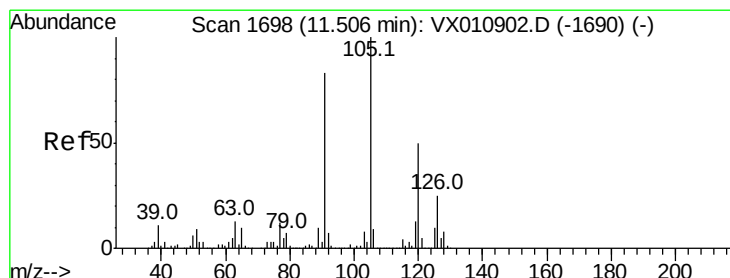
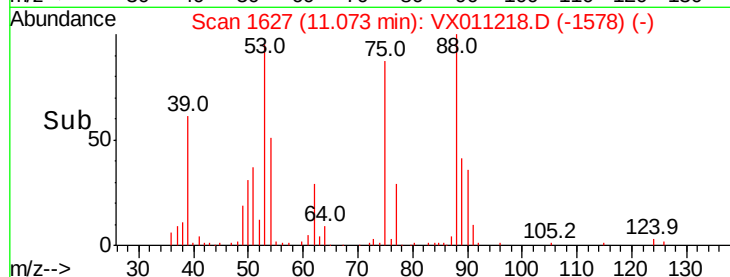
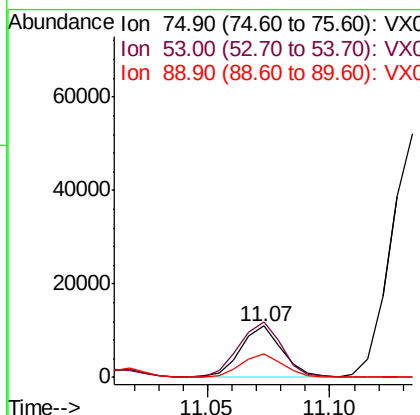
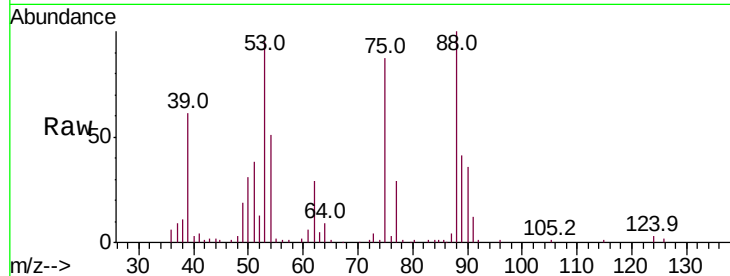
#81
trans-1,4-Dichloro-2-butene
Concen: 17.112 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011218.D
Acq: 31 Jul 2019 01:04

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBSD02

Tot Ion: 75 Resp: 13176
Ion Ratio Lower Upper
75 100
53 110.7 76.7 115.1
89 47.4 38.5 57.7

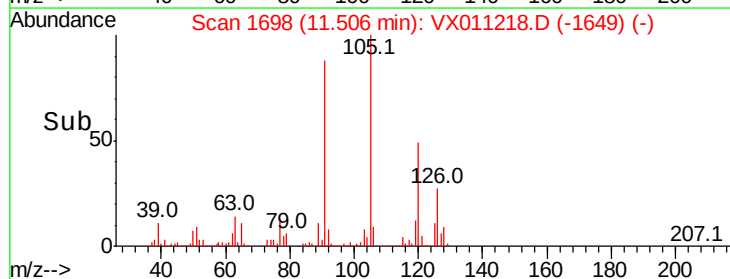
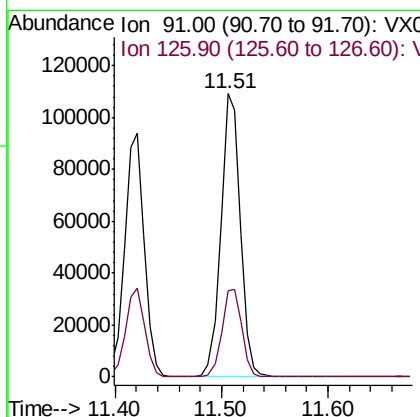
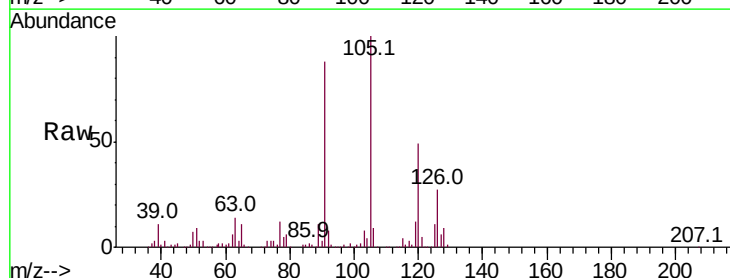
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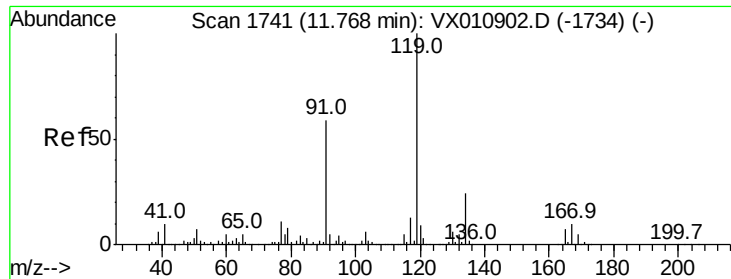
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#82
4-Chlorotoluene
Concen: 20.492 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011218.D
Acq: 31 Jul 2019 01:04

Tgt Ion: 91 Resp: 138681
Ion Ratio Lower Upper
91 100
126 32.0 15.9 47.7





#83

tert-Butylbenzene

Concen: 20.563 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011218.D

Acq: 31 Jul 2019 01:04

Instrument :

MSVOA_X

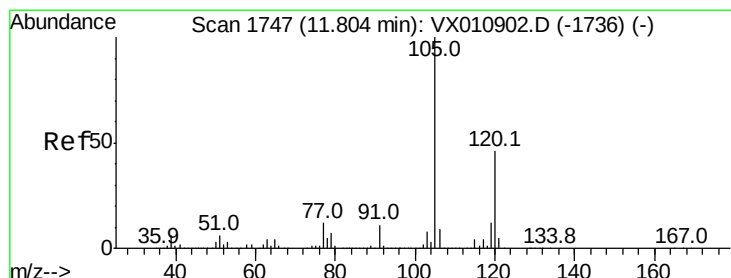
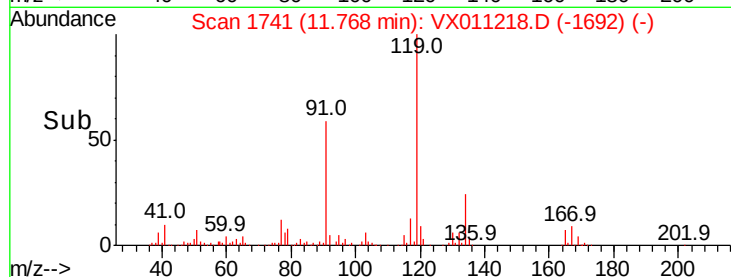
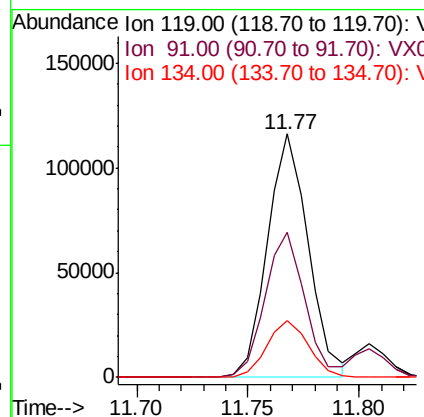
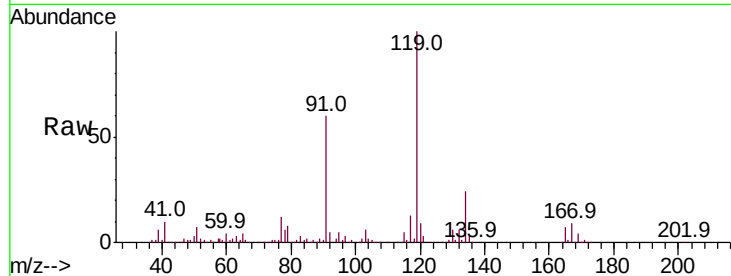
ClientSampleId :

VX0730WBSD02

Tot Ion:	119	Resp:	147853
Ion Ratio	Lower	Upper	
119	100		
91	58.5	28.6	85.8
134	23.8	11.6	34.8

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#84

1,2,4-Trimethylbenzene

Concen: 20.550 ug/l

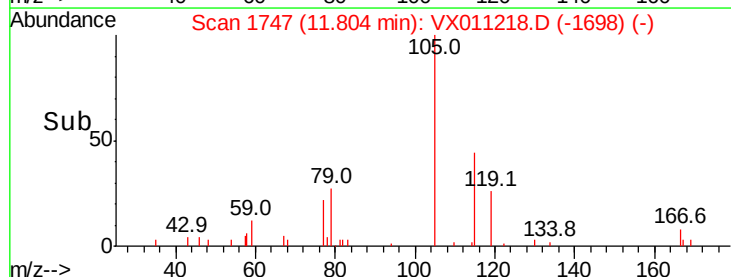
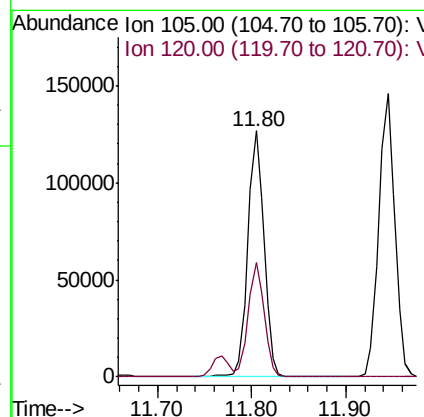
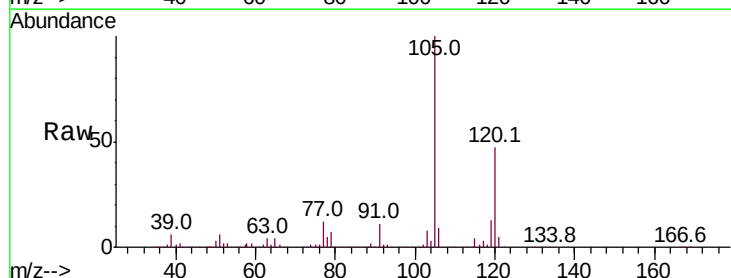
RT: 11.80 min Scan# 1747

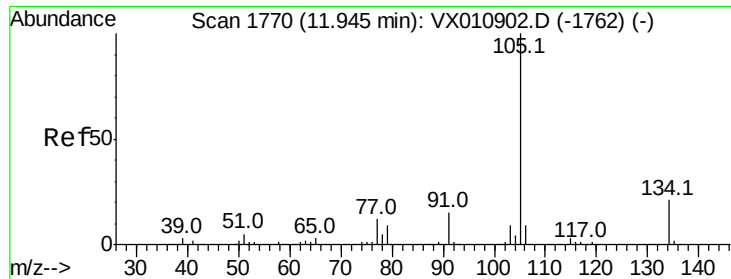
Delta R.T. 0.00 min

Lab File: VX011218.D

Acq: 31 Jul 2019 01:04

Tgt Ion:	105	Resp:	151622
Ion Ratio	Lower	Upper	
105	100		
120	46.1	22.9	68.5





#85

sec-Butylbenzene

Concen: 20.613 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011218.D

Acq: 31 Jul 2019 01:04

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBSD02

Tot Ion:105 Resp: 173669

Ion Ratio Lower Upper

105 100

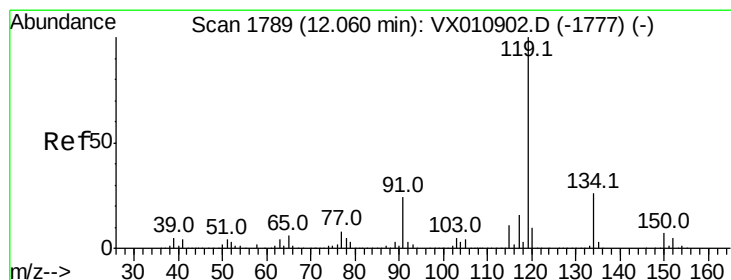
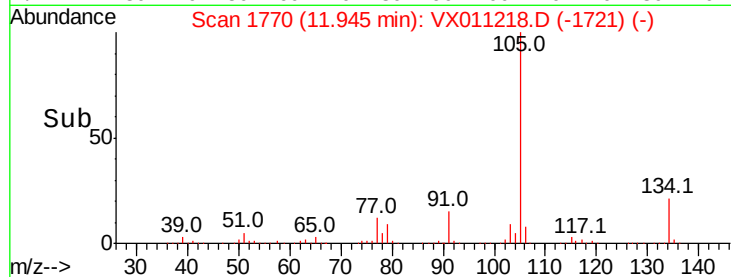
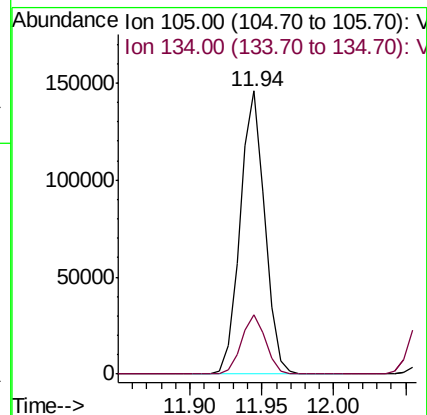
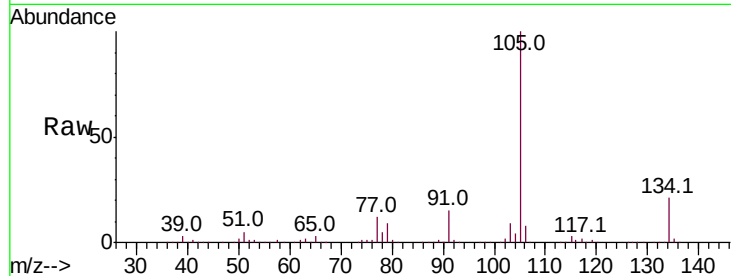
134 20.9 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 20.481 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011218.D

Acq: 31 Jul 2019 01:04

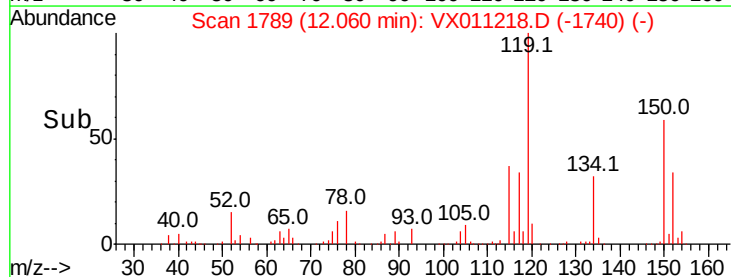
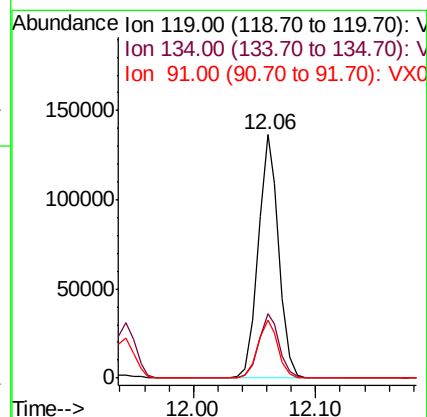
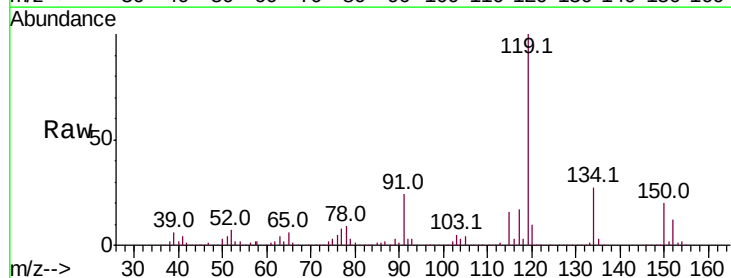
Tgt Ion:119 Resp: 159525

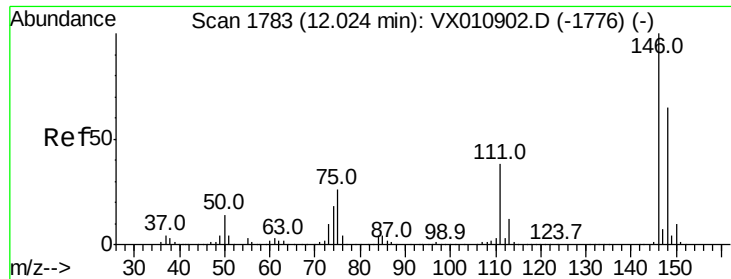
Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.1

91 23.4 11.8 35.4





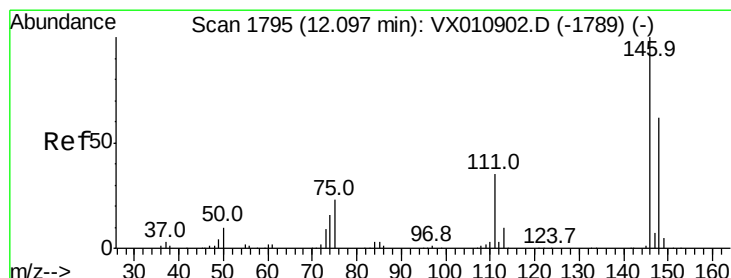
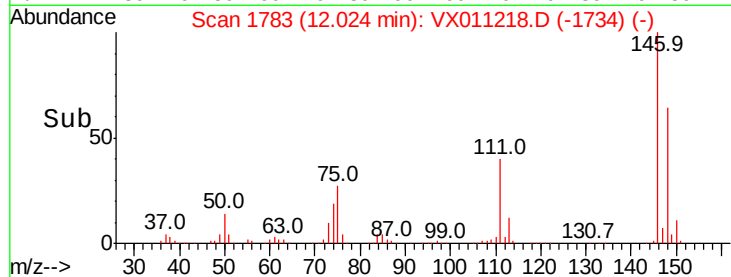
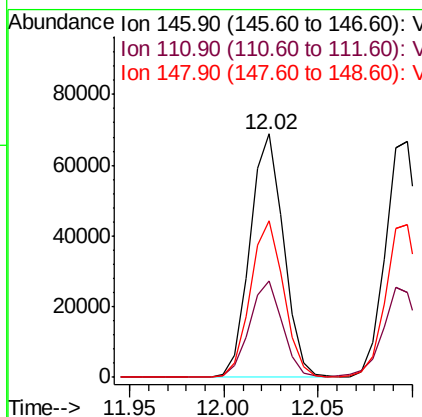
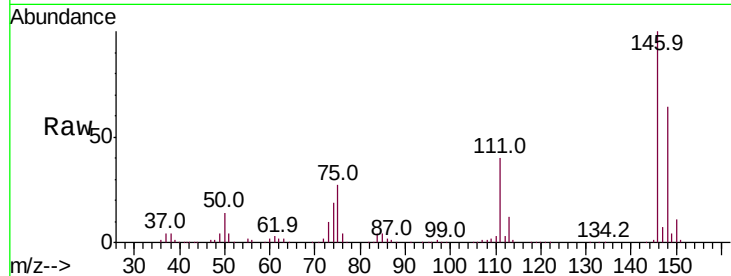
#87
 1,3-Dichlorobenzene
 Concen: 20.294 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011218.D
 Acq: 31 Jul 2019 01:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0730WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.9	56.9
148	63.8	32.2	96.6

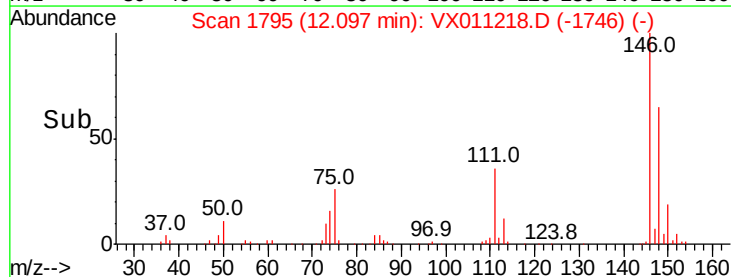
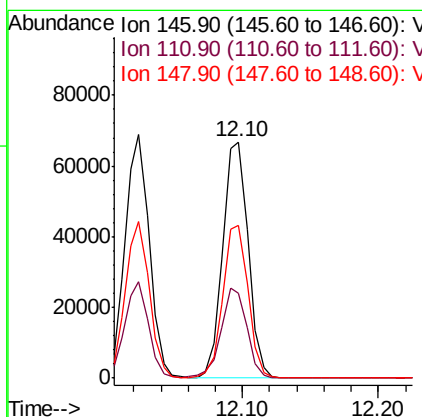
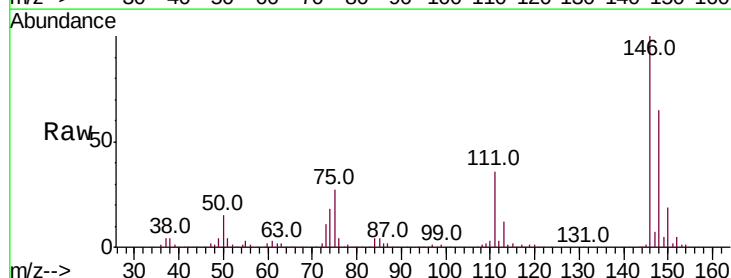
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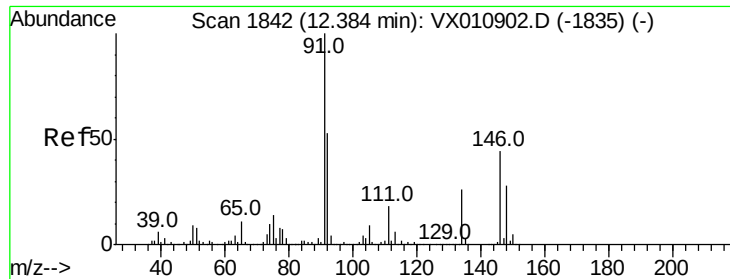
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#88
 1,4-Dichlorobenzene
 Concen: 20.145 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX011218.D
 Acq: 31 Jul 2019 01:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.6	55.8
148	64.3	31.6	94.7





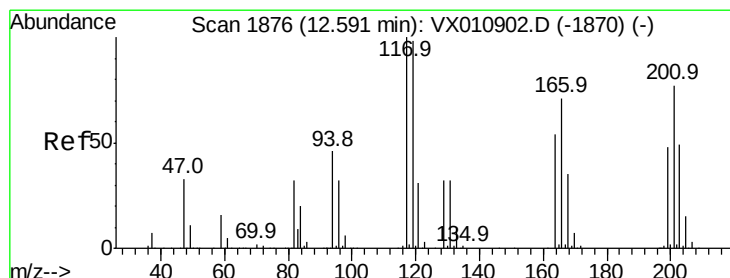
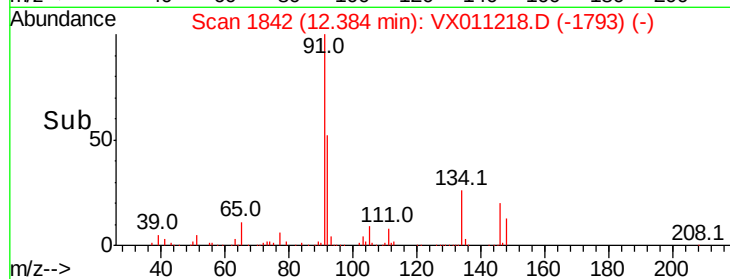
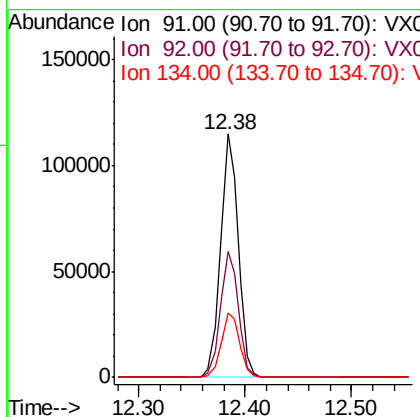
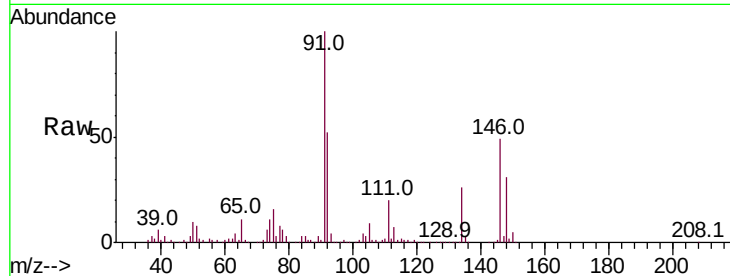
#89
n-Butylbenzene
Concen: 20.095 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011218.D
Acq: 31 Jul 2019 01:04

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.2	78.5
134	27.1	13.8	41.3

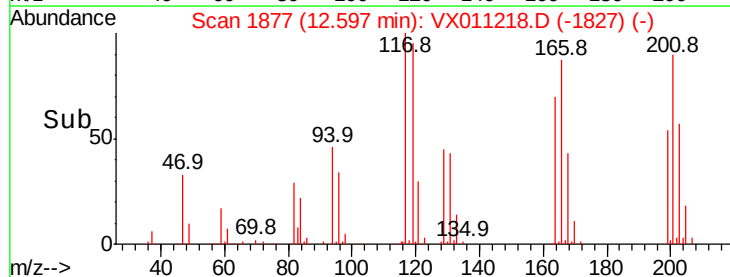
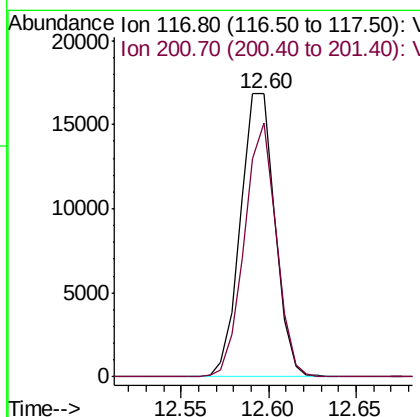
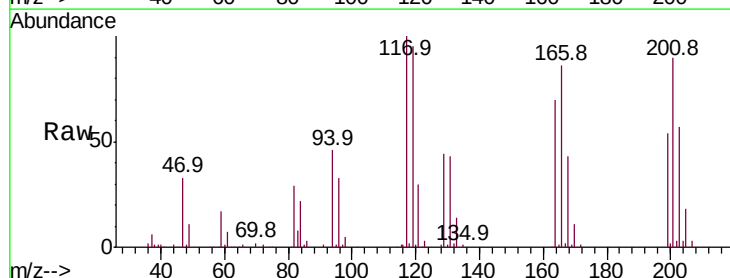
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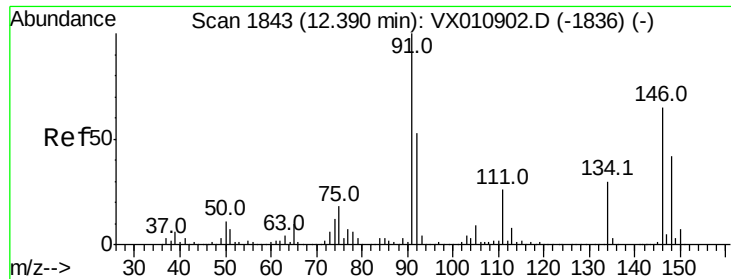
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#90
Hexachloroethane
Concen: 18.785 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX011218.D
Acq: 31 Jul 2019 01:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.2	43.3	129.8





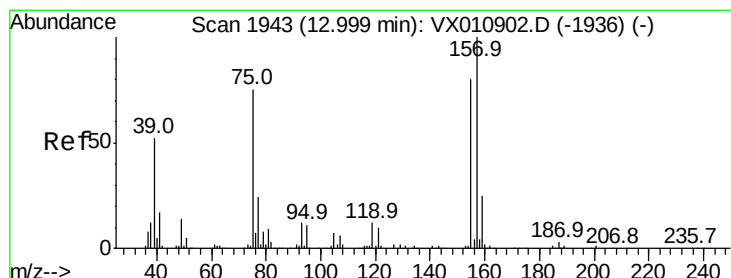
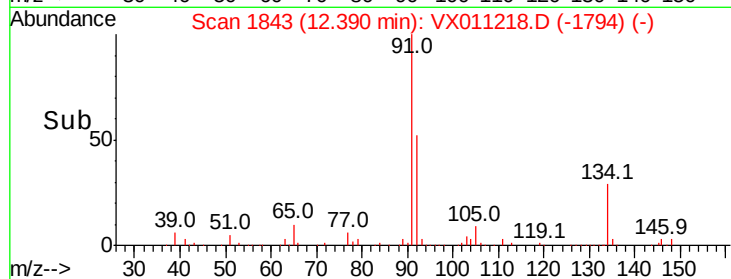
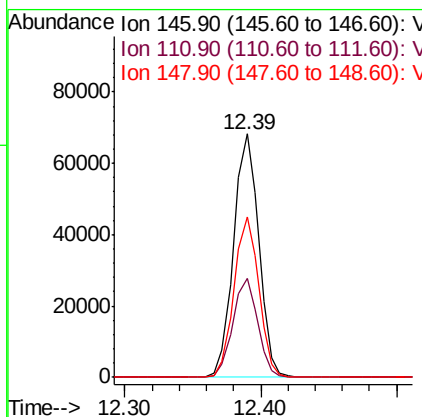
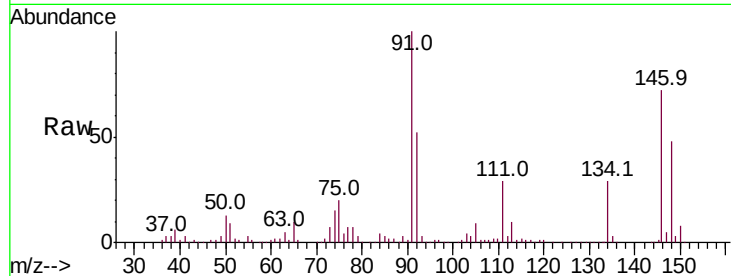
#91
1,2-Dichlorobenzene
Concen: 21.075 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX011218.D
Acq: 31 Jul 2019 01:04

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.9	59.7
148	65.2	32.0	96.2

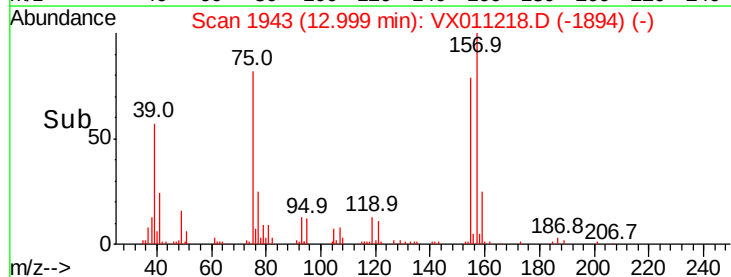
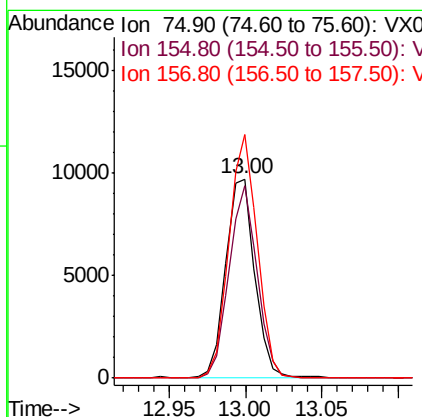
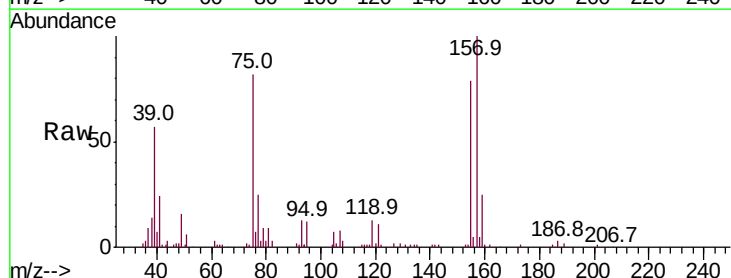
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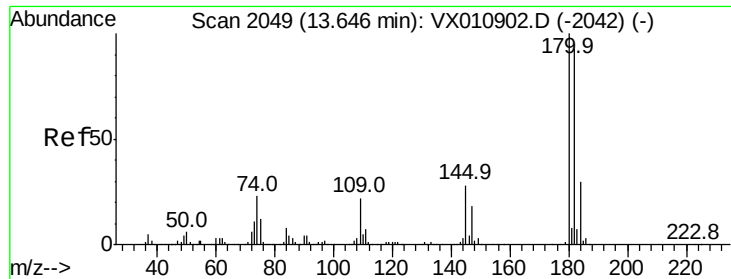
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#92
1,2-Dibromo-3-Chloropropane
Concen: 21.399 ug/l
RT: 13.00 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VX011218.D
Acq: 31 Jul 2019 01:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.0	48.7	146.1
157	117.8	62.5	187.6





#93

1,2,4-Trichlorobenzene

Concen: 20.984 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX011218.D

Acq: 31 Jul 2019 01:04

Instrument :

MSVOA_X

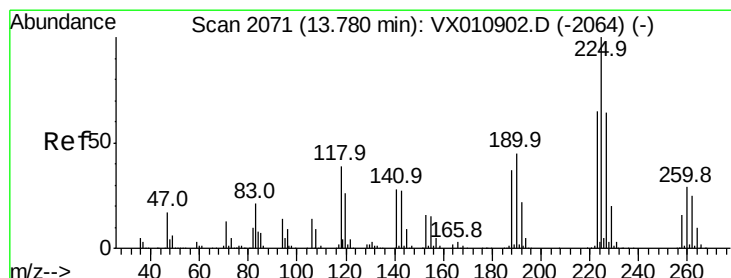
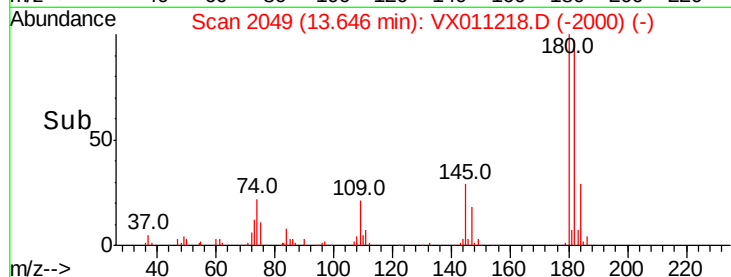
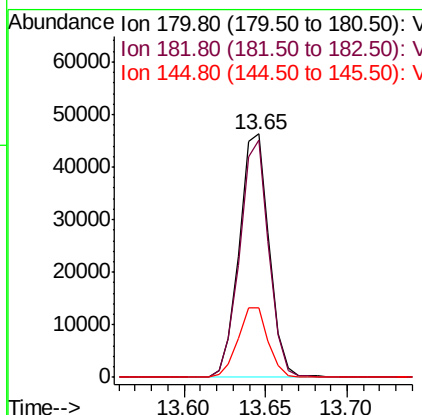
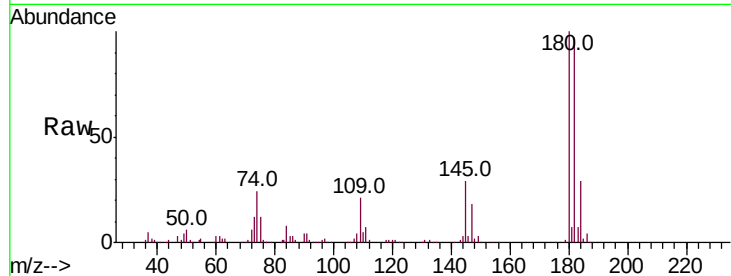
ClientSampleId :

VX0730WBSD02

Tot Ion:	180	Resp:	59104
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.1	141.3
145	28.8	14.8	44.4

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 19.985 ug/l

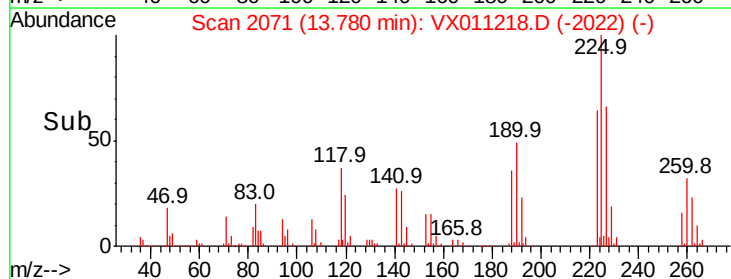
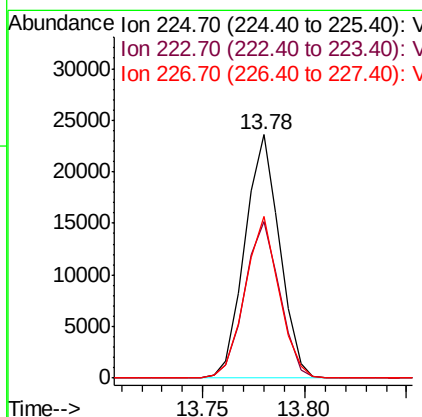
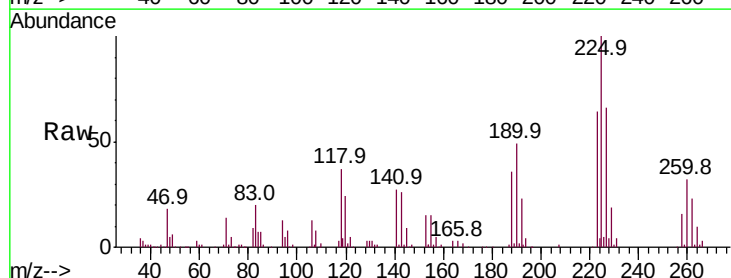
RT: 13.78 min Scan# 2071

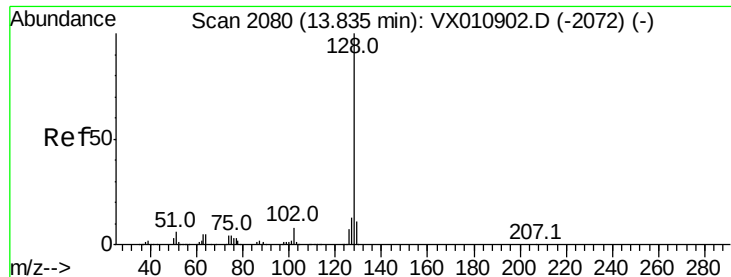
Delta R.T. 0.00 min

Lab File: VX011218.D

Acq: 31 Jul 2019 01:04

Tgt Ion:	225	Resp:	27894
Ion Ratio	Lower	Upper	
225	100		
223	64.8	31.9	95.9
227	65.2	32.5	97.4





#95

Naphthalene

Concen: 22.203 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX011218.D

Acq: 31 Jul 2019 01:04

Instrument :

MSVOA_X

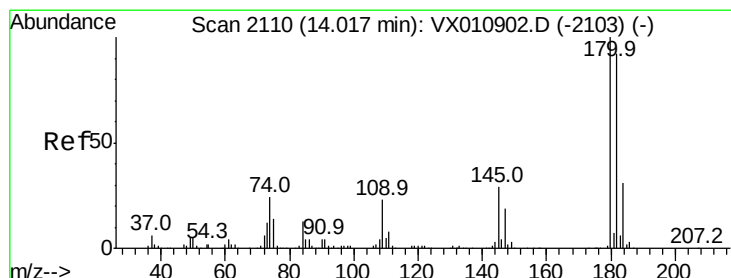
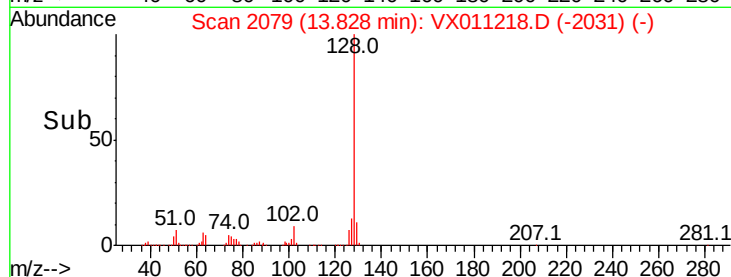
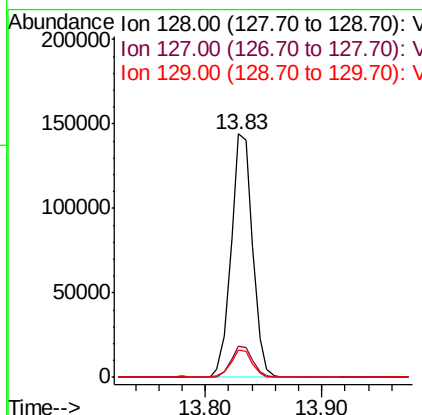
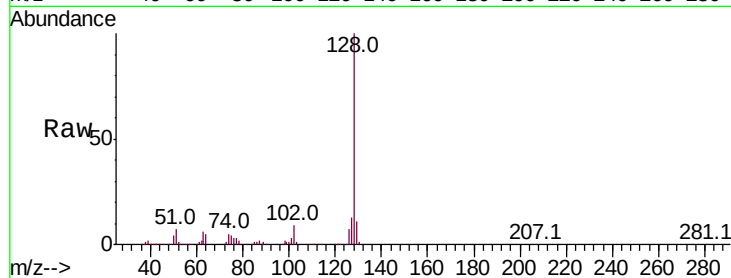
ClientSampleId :

VX0730WBSD02

Tot Ion:128	Resp:	184669
Ion Ratio	Lower	Upper
128 100		
127 13.1	10.4	15.6
129 11.2	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/31/2019 10:56:02 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.485 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011218.D

Acq: 31 Jul 2019 01:04

Tgt Ion:180	Resp:	60212
Ion Ratio	Lower	Upper
180 100		
182 96.0	47.4	142.3
145 30.2	15.1	45.3

