

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX073019\
 Data File : VX011217.D
 Acq On : 31 Jul 2019 00:41
 Operator : JC/SP
 Sample : VX0730WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0730WBS02

Manual Integrations
 APPROVED

MMDadoda
 7/31/2019 10:55:56 AM

Quant Time: Jul 31 09:33:36 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	5.67	168	185748	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	280745	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	256120	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	135829	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	95584	48.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.74%	
35) Dibromofluoromethane	5.49	113	83875	47.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.14%	
50) Toluene-d8	8.71	98	309666	46.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.66%	
62) 4-Bromofluorobenzene	11.13	95	114972	46.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	31480	16.266	ug/l	99
3) Chloromethane	1.33	50	29548	17.298	ug/l	99
4) Vinyl Chloride	1.41	62	31446	18.049	ug/l	98
5) Bromomethane	1.64	94	19169	19.524	ug/l	99
6) Chloroethane	1.72	64	22838	20.627	ug/l	94
7) Trichlorofluoromethane	1.93	101	55297	18.749	ug/l	98
8) Diethyl Ether	2.19	74	18377	18.085	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	30889	18.343	ug/l	99
10) Methyl Iodide	2.51	142	29929	13.544	ug/l	98
11) Tert butyl alcohol	3.04	59	49298	107.121	ug/l	99
12) 1,1-Dichloroethene	2.37	96	29679	17.938	ug/l	95
13) Acrolein	2.29	56	14509	54.567	ug/l	93
14) Allyl chloride	2.73	41	42392	17.640	ug/l	98
15) Acrylonitrile	3.14	53	92064	99.000	ug/l	99
16) Acetone	2.45	43	77003	86.279	ug/l	98
17) Carbon Disulfide	2.57	76	59641	14.053	ug/l	99
18) Methyl Acetate	2.78	43	45117	22.201	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	102086	19.167	ug/l	100
20) Methylene Chloride	2.85	84	34575	18.280	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	30929	17.618	ug/l	98
22) Diisopropyl ether	3.85	45	97178	19.173	ug/l	97
23) Vinyl Acetate	3.82	43	390542	90.939	ug/l	99
24) 1,1-Dichloroethane	3.70	63	54567	18.538	ug/l	97
25) 2-Butanone	4.67	43	123605	96.479	ug/l	98
26) 2,2-Dichloropropane	4.59	77	30935	12.799	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	37320	18.369	ug/l	97
28) Bromochloromethane	5.01	49	27861	20.086	ug/l	97
29) Tetrahydrofuran	5.13	42	78747	97.034	ug/l	100
30) Chloroform	5.21	83	60050	18.874	ug/l	93
31) Cyclohexane	5.58	56	46022	17.153	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	50745	18.435	ug/l	99
36) 1,1-Dichloropropene	5.80	75	40975	17.768	ug/l	99
37) Ethyl Acetate	4.84	43	46386	19.644	ug/l	98
38) Carbon Tetrachloride	5.79	117	42029	17.490	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	48831	16.329	ug/l	97
40) Benzene	6.14	78	129872	18.385	ug/l	100
41) Methacrylonitrile	5.04	41	25248	18.835	ug/l	97
42) 1,2-Dichloroethane	6.19	62	46502	18.933	ug/l	100
43) Isopropyl Acetate	6.44	43	71964	18.534	ug/l	100
44) Trichloroethene	7.21	130	37721	18.040	ug/l	98
45) 1,2-Dichloropropane	7.51	63	34105	18.969	ug/l	98
46) Dibromomethane	7.66	93	24558	19.115	ug/l	98
47) Bromodichloromethane	7.90	83	41758	18.259	ug/l	99
48) Methyl methacrylate	7.77	41	36112	19.092	ug/l	97
49) 1,4-Dioxane	7.74	88	20628	389.874	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	250076	99.357	ug/l	100
52) Toluene	8.78	92	83022	17.891	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	40118	16.315	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	45874	16.765	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	36170	18.930	ug/l	98
56) Ethyl methacrylate	9.18	69	51816	18.539	ug/l	98
57) 1,3-Dichloropropane	9.37	76	56855	18.757	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	128673	96.443	ug/l	98
59) 2-Hexanone	9.49	43	195888	100.343	ug/l	99
60) Dibromochloromethane	9.58	129	35450	17.834	ug/l	100
61) 1,2-Dibromoethane	9.67	107	37135	18.313	ug/l	97
64) Tetrachloroethene	9.34	164	38145	18.932	ug/l	97
65) Chlorobenzene	10.13	112	97226	18.482	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	34937	18.897	ug/l	98
67) Ethyl Benzene	10.25	91	164184	18.336	ug/l	98
68) m/p-Xylenes	10.36	106	125439	36.521	ug/l	99
69) o-Xylene	10.69	106	61878	18.460	ug/l	100
70) Styrene	10.71	104	105099	18.808	ug/l	99
71) Bromoform	10.85	173	24794	16.527	ug/l	98
73) Isopropylbenzene	11.02	105	165984	18.085	ug/l	100
74) N-amyl acetate	10.90	43	63192	18.020	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	56955	18.963	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	46897m	19.133	ug/l	
77) Bromobenzene	11.25	156	45122	17.824	ug/l	97
78) n-propylbenzene	11.36	91	183008	18.047	ug/l	99
79) 2-Chlorotoluene	11.42	91	110886	18.202	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	140759	18.354	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	11905	15.306	ug/l #	86
82) 4-Chlorotoluene	11.51	91	128441	18.115	ug/l	99
83) tert-Butylbenzene	11.77	119	138017	18.322	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	140830	18.219	ug/l	99
85) sec-Butylbenzene	11.94	105	164901	18.682	ug/l	99
86) p-Isopropyltoluene	12.06	119	149242	18.289	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	79971	18.203	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	79988	17.752	ug/l	97
89) n-Butylbenzene	12.38	91	126178	18.074	ug/l	99
90) Hexachloroethane	12.60	117	21297	16.547	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	83106	19.087	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	12016	19.139	ug/l	96

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	55006	18.641	ug/l	97
94) Hexachlorobutadiene	13.78	225	26052	17.816	ug/l	99
95) Naphthalene	13.83	128	175812	20.176	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	56348	19.192	ug/l	99

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

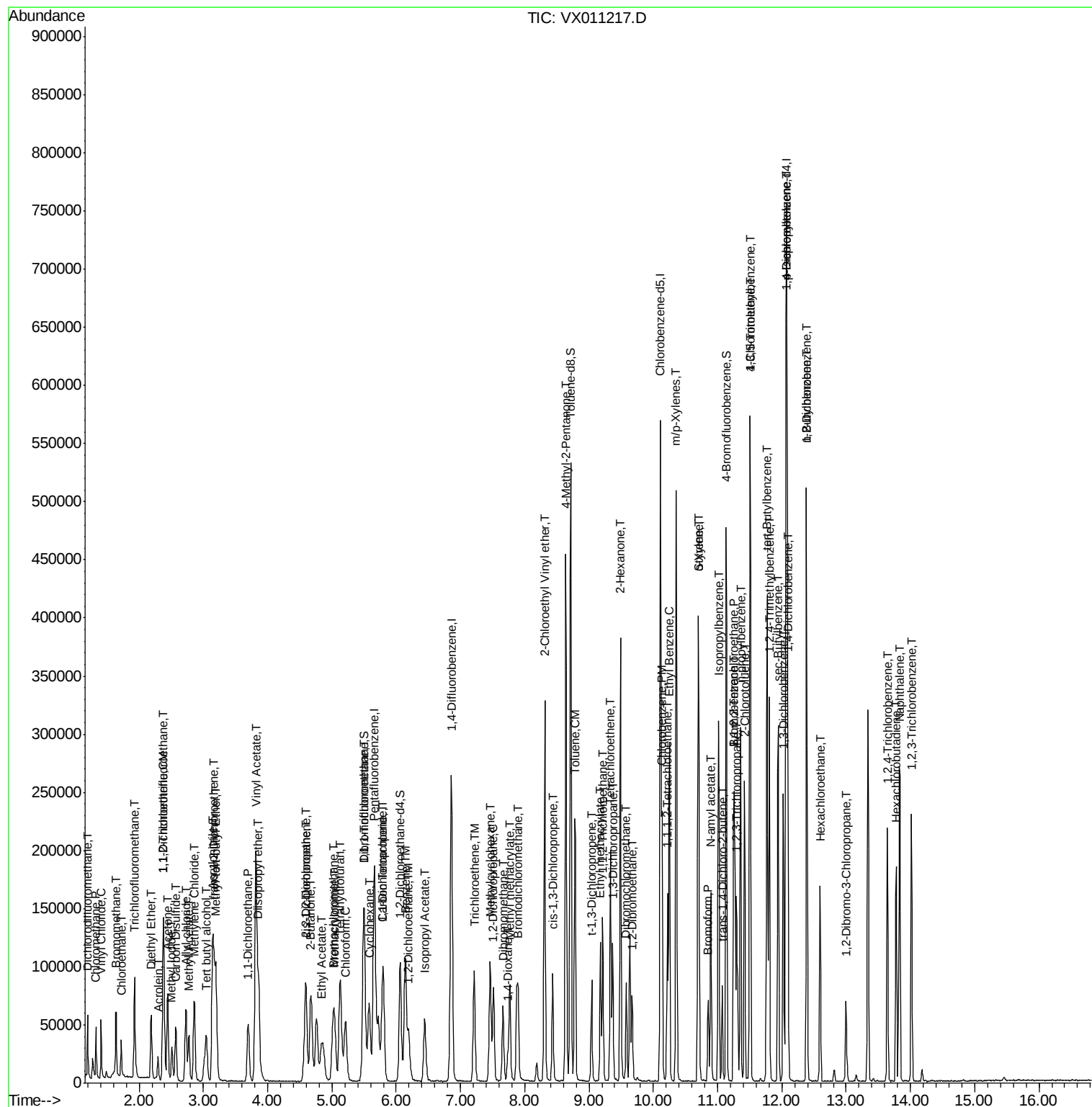
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Data File : VX011217.D
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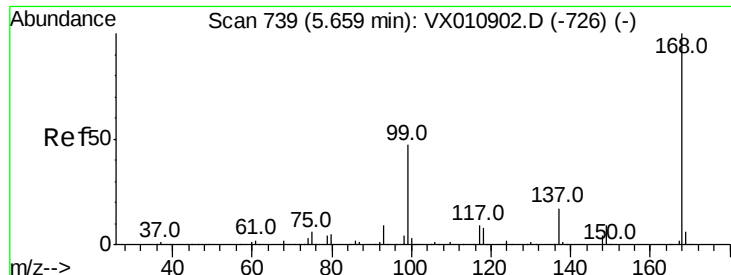
Instrument :
MSVOA_X
Client Sample Id :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBS02

Tot Ion:168 Resp: 185748

Ion Ratio Lower Upper

168 100

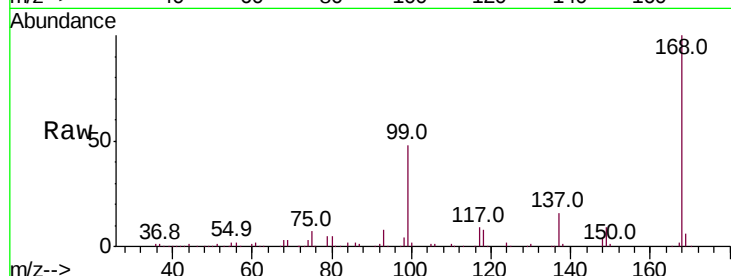
99 48.1 37.6 56.4

Manual Integrations

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7/31/2019 10:55:56 AM

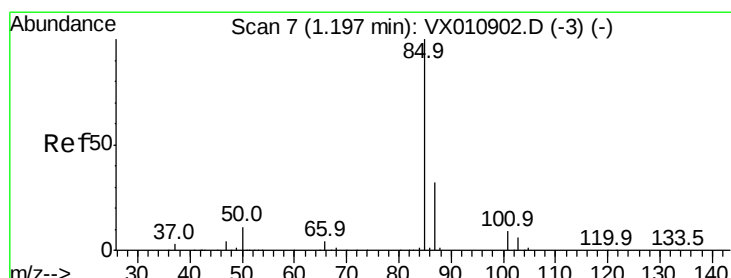
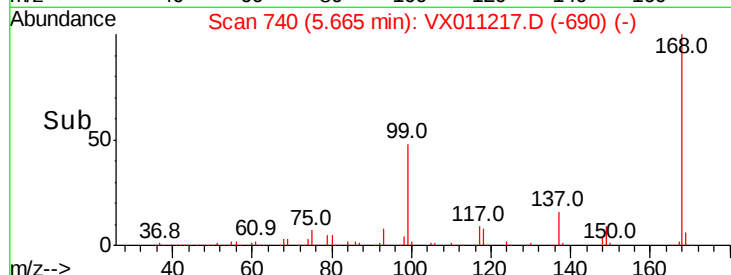


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

Time-->



#2

Dichlorodifluoromethane

Concen: 16.266 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX011217.D

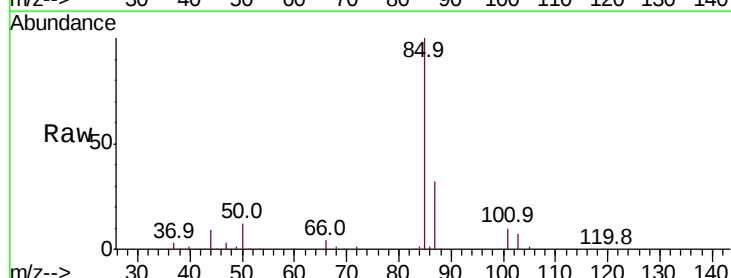
Acq: 31 Jul 2019 00:41

Tgt Ion: 85 Resp: 31480

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.7

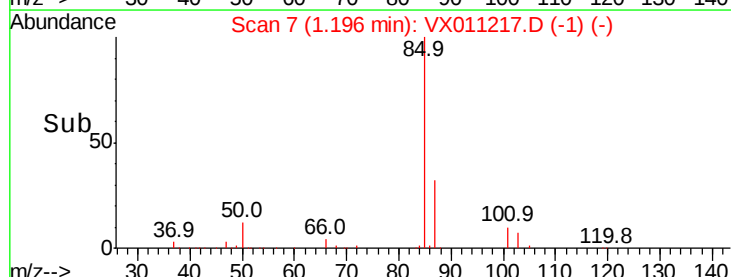


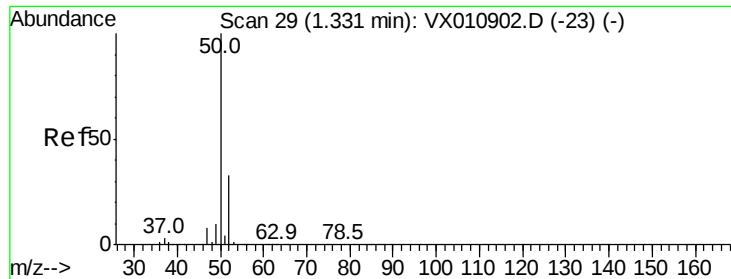
Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

Time-->





#3

Chloromethane

Concen: 17.298 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBS02

Tot Ion: 50 Resp: 29548

Ion Ratio Lower Upper

50 100

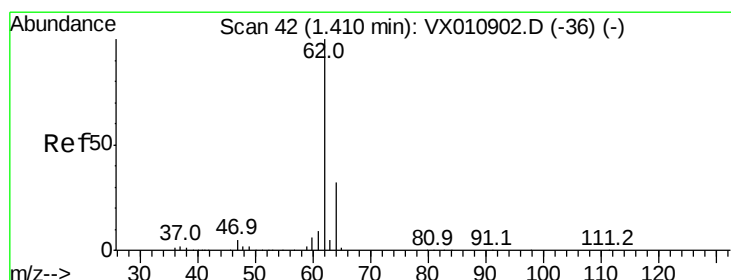
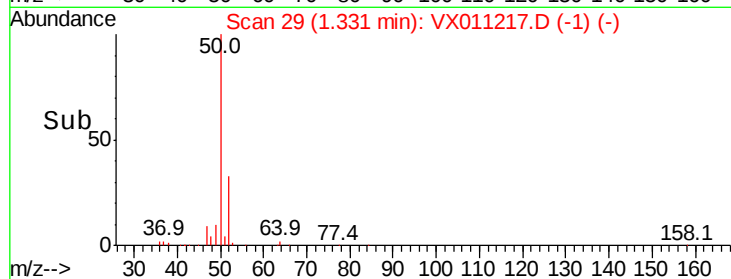
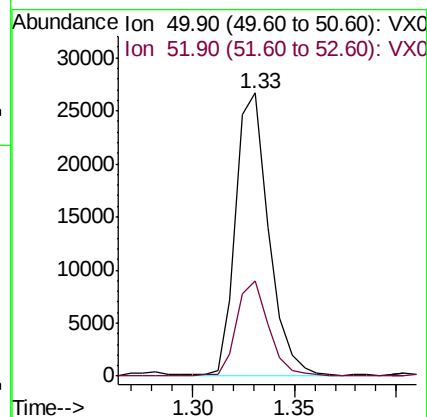
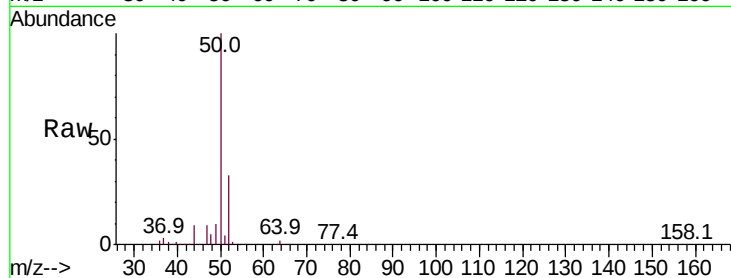
52 33.6 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.049 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX011217.D

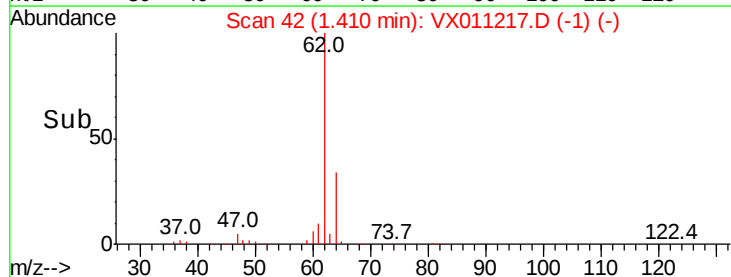
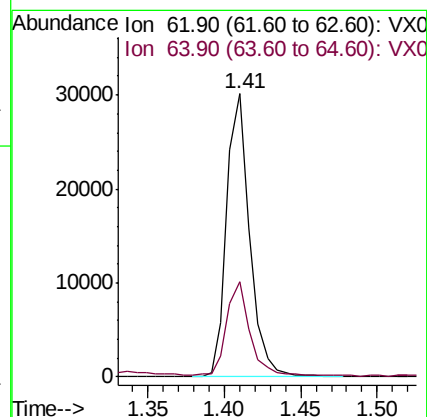
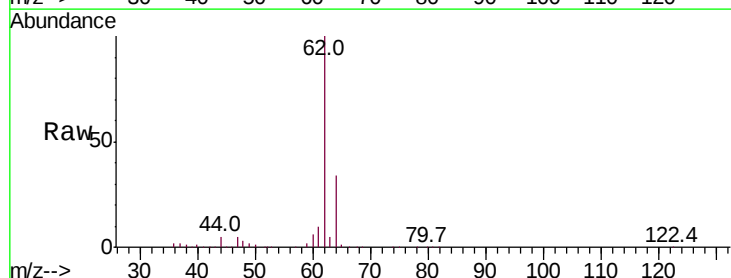
Acq: 31 Jul 2019 00:41

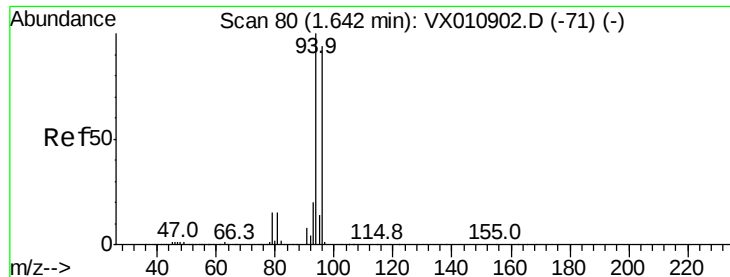
Tgt Ion: 62 Resp: 31446

Ion Ratio Lower Upper

62 100

64 33.0 25.7 38.5





#5

Bromomethane

Concen: 19.524 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBS02

Tot Ion: 94 Resp: 19169

Ion Ratio Lower Upper

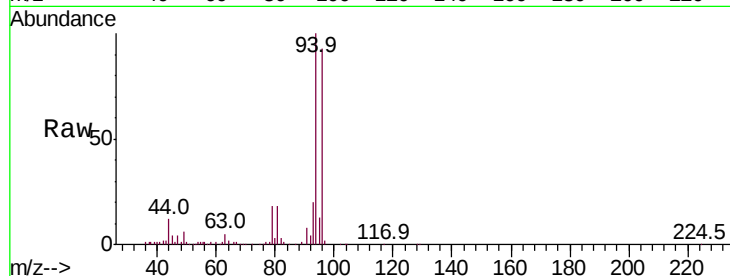
94 100

96 93.2 75.6 113.4

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

20000

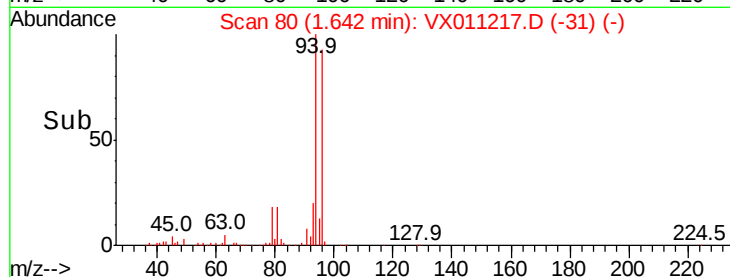
15000

10000

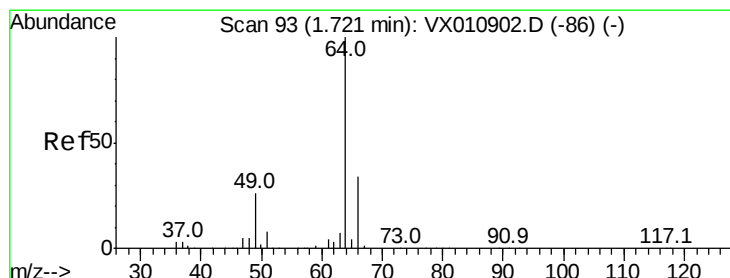
5000

0

Time-->



Time-->



#6

Chloroethane

Concen: 20.627 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX011217.D

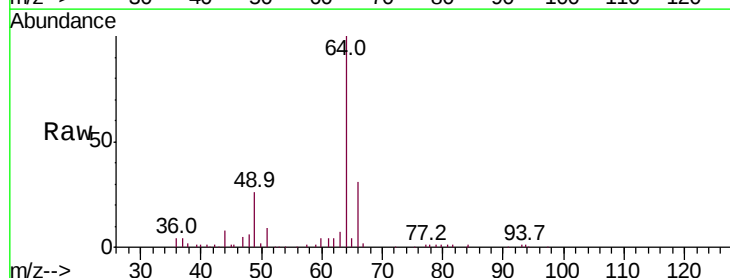
Acq: 31 Jul 2019 00:41

Tgt Ion: 64 Resp: 22838

Ion Ratio Lower Upper

64 100

66 30.2 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

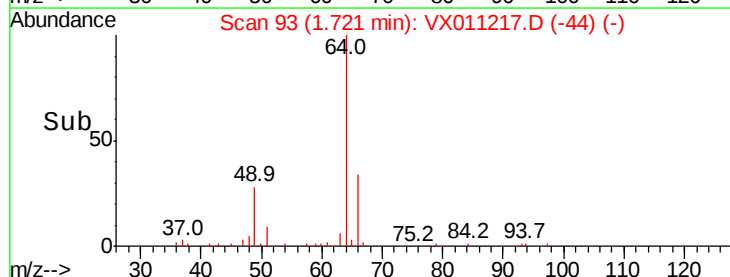
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10000

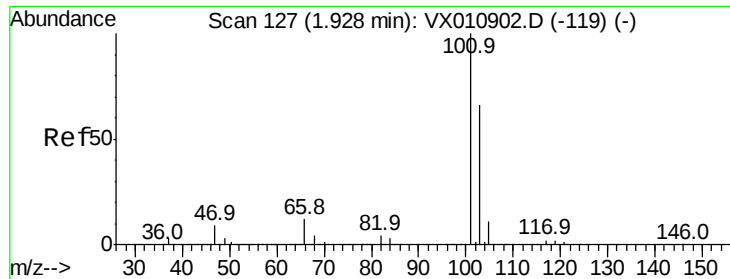
5000

0

Time-->



Time-->



#7

Trichlorofluoromethane

Concen: 18.749 ug/l

RT: 1.93 min Scan# 127

Delta R.T. -0.00 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBS02

Tot Ion:101 Resp: 55297

Ion Ratio Lower Upper

101 100

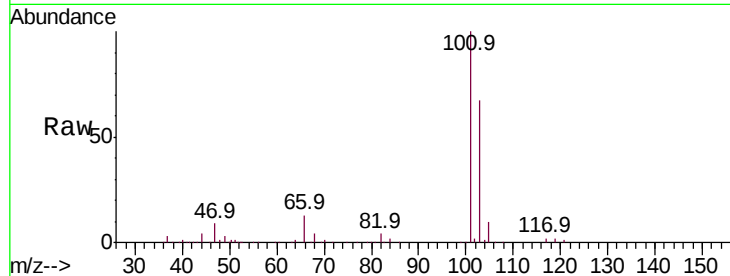
103 66.9 52.6 78.8

Manual Integrations

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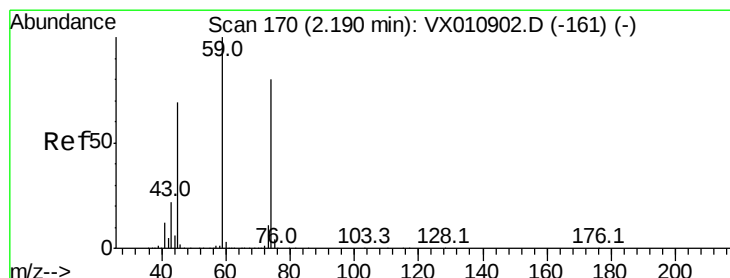
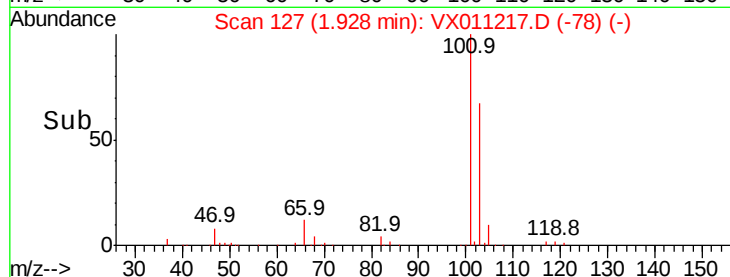
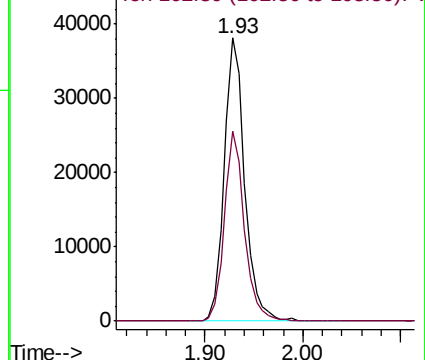
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 18.085 ug/l

RT: 2.19 min Scan# 170

Delta R.T. -0.00 min

Lab File: VX011217.D

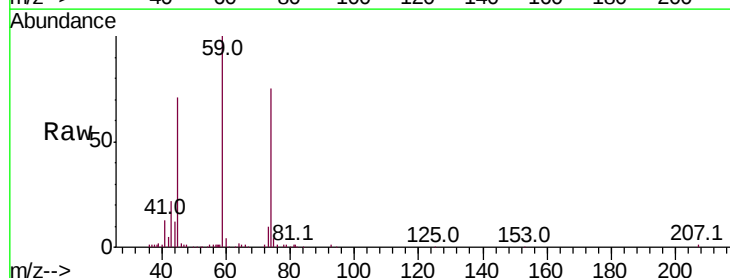
Acq: 31 Jul 2019 00:41

Tgt Ion: 74 Resp: 18377

Ion Ratio Lower Upper

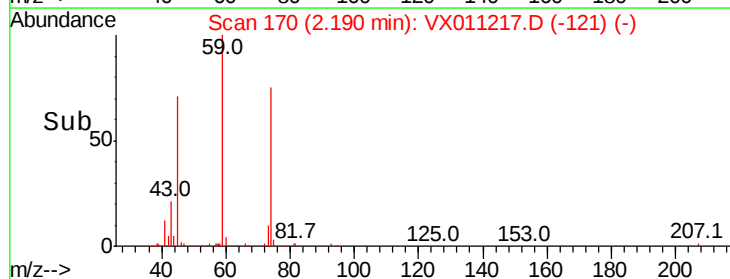
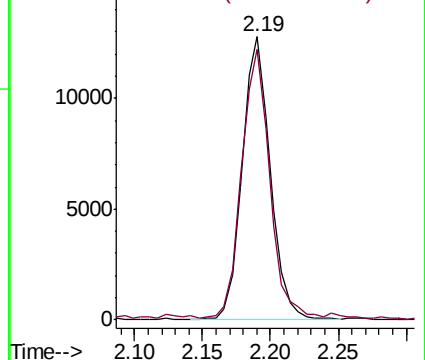
74 100

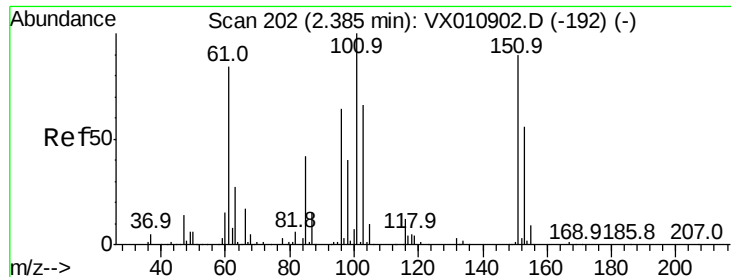
45 95.5 45.5 136.5



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.343 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX011217.D

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MSVOA_X

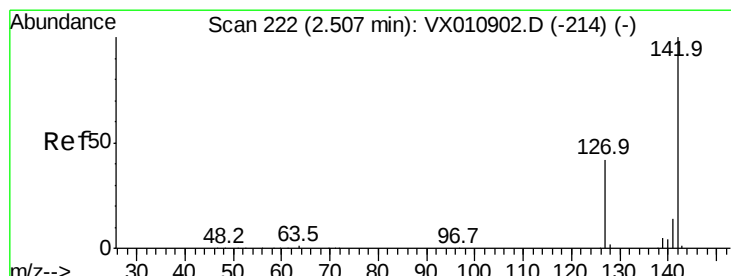
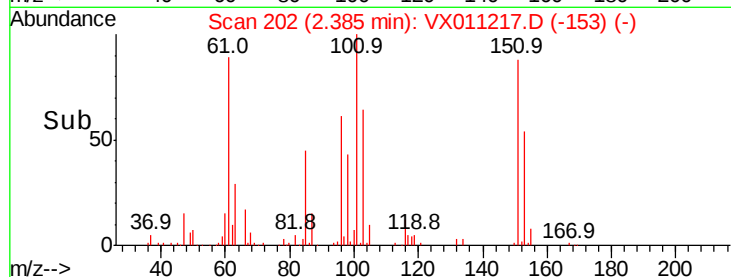
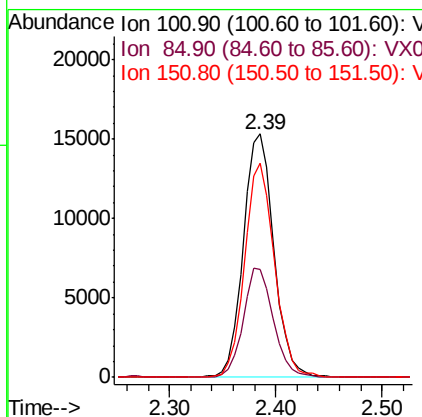
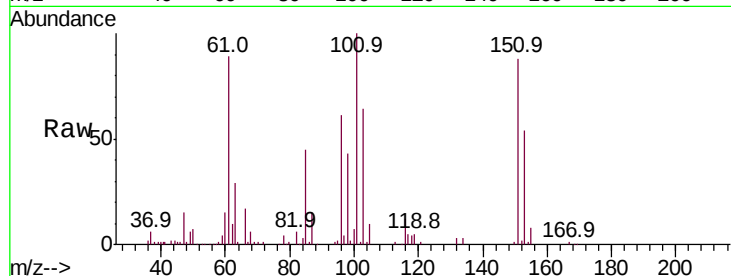
ClientSampleId :

VX0730WBS02

Tot Ion:	101	Resp:	30889
Ion Ratio	Lower	Upper	
101	100		
85	44.2	34.6	52.0
151	86.3	69.6	104.4

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#10

Methyl Iodide

Concen: 13.544 ug/l

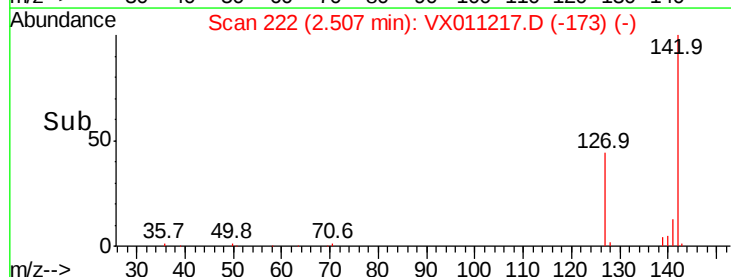
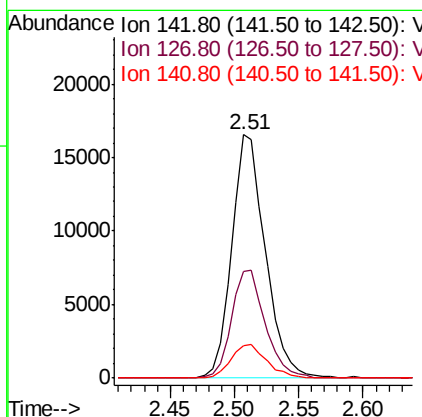
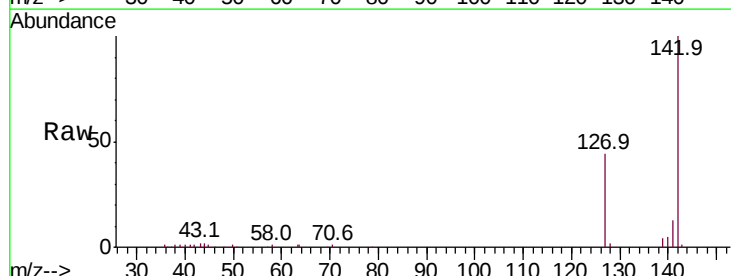
RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

Tgt Ion:	142	Resp:	29929
Ion Ratio	Lower	Upper	
142	100		
127	44.3	34.2	51.4
141	14.7	11.7	17.5





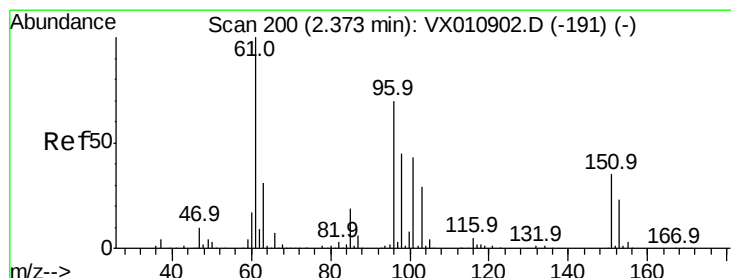
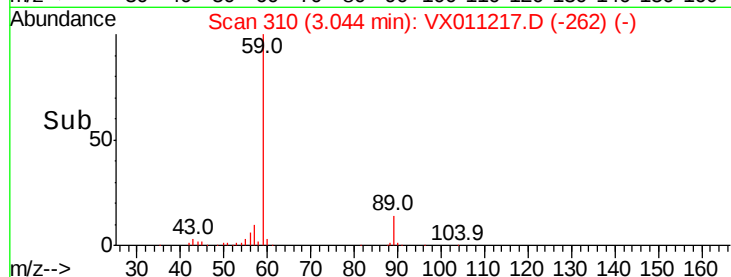
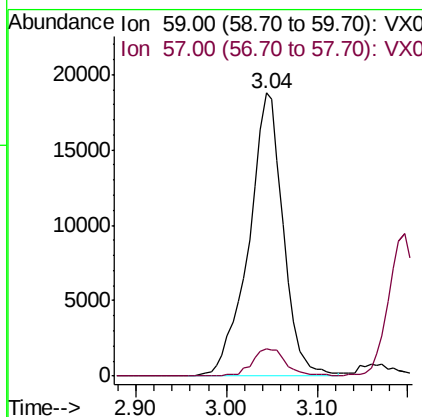
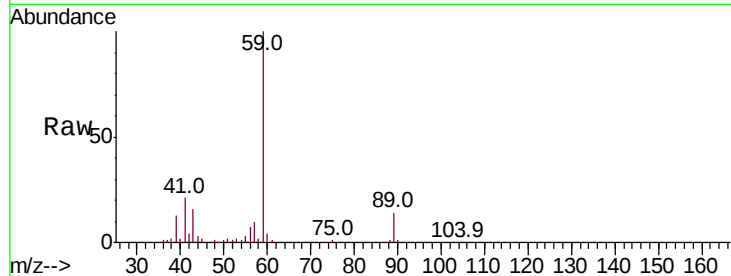
#11
Tert butyl alcohol
Concen: 107.121 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX011217.D
Acq: 31 Jul 2019 00:41

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.9	11.9

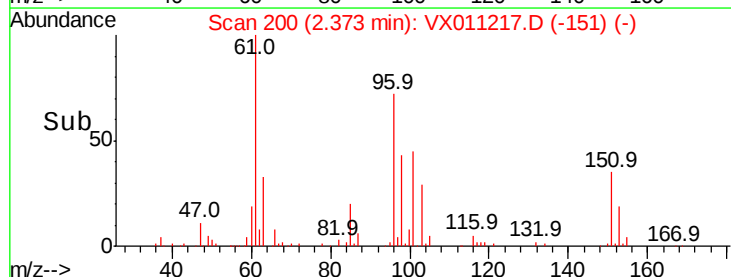
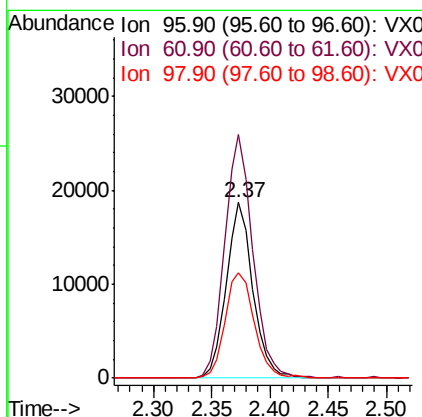
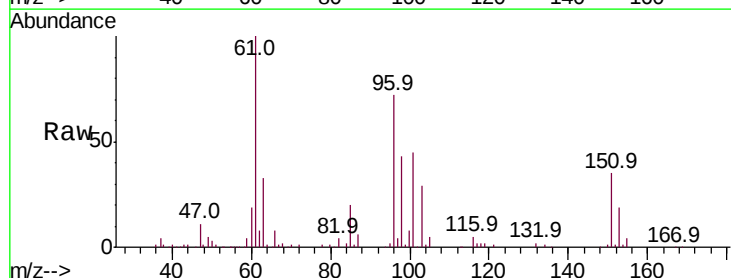
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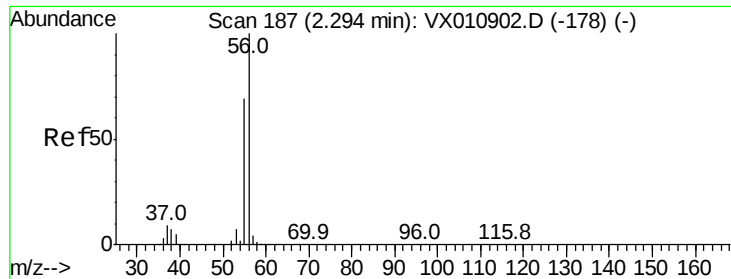
MMDadoda
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#12
1,1-Dichloroethene
Concen: 17.938 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX011217.D
Acq: 31 Jul 2019 00:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	138.7	115.0	172.4
98	60.1	52.2	78.2





#13

Acrolein

Concen: 54.567 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBS02

Tot Ion: 56 Resp: 14509

Ion Ratio Lower Upper

56 100

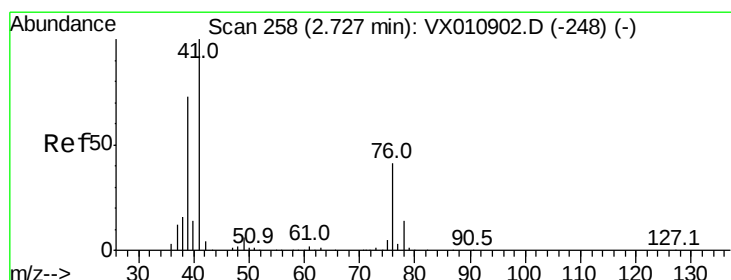
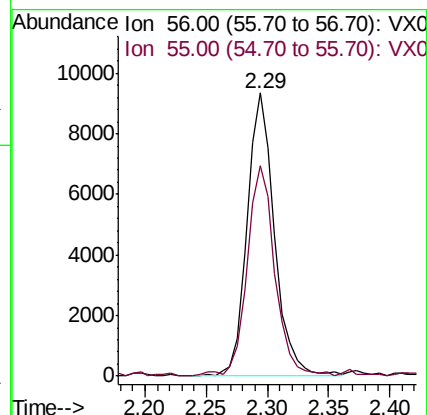
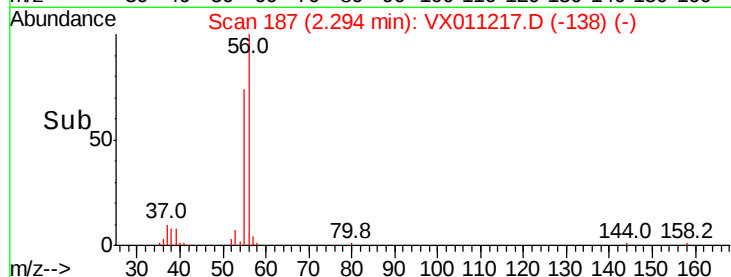
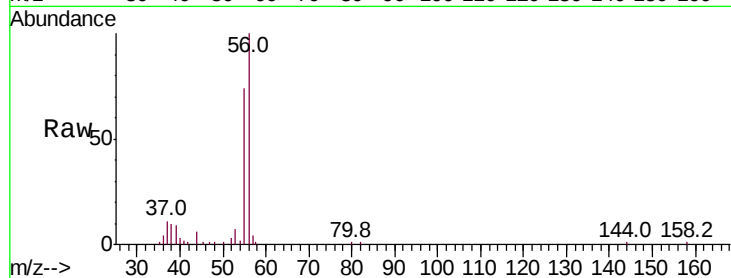
55 75.6 55.9 83.9

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#14

Allyl chloride

Concen: 17.640 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

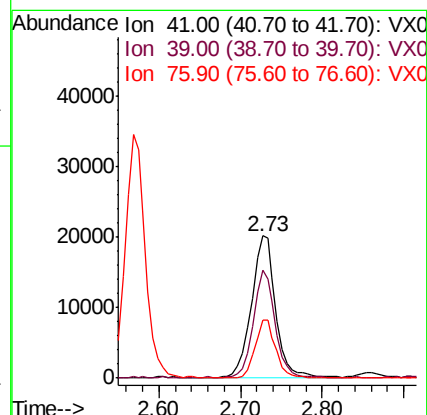
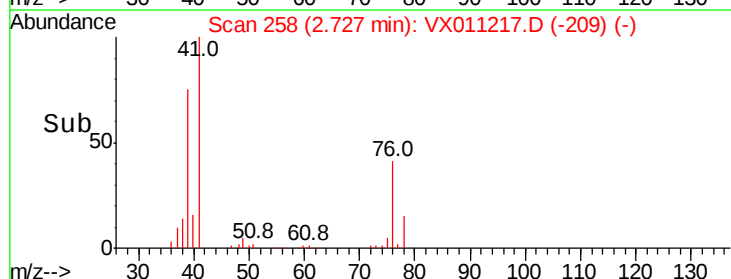
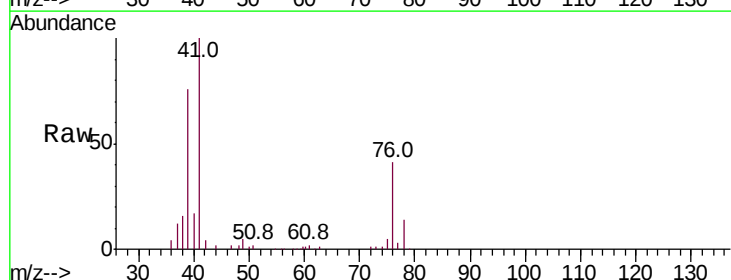
Tgt Ion: 41 Resp: 42392

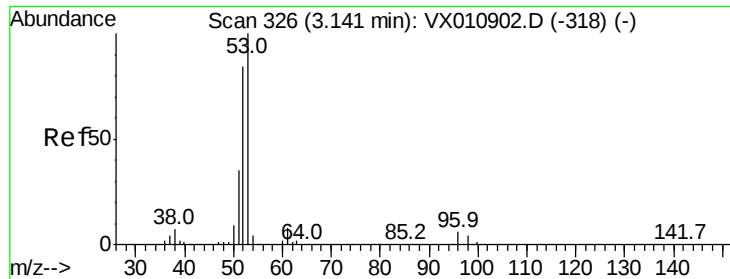
Ion Ratio Lower Upper

41 100

39 68.5 53.6 80.4

76 35.0 29.7 44.5





#15

Acrylonitrile

Concen: 99.000 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

Instrument :

MSVOA_X

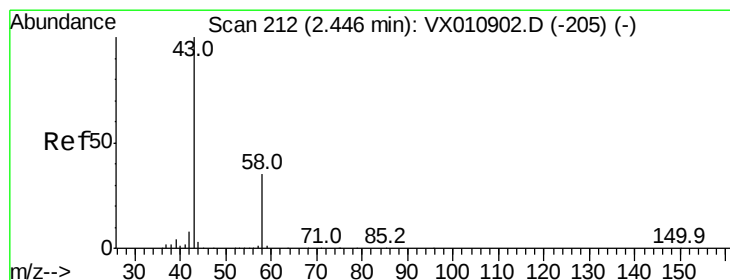
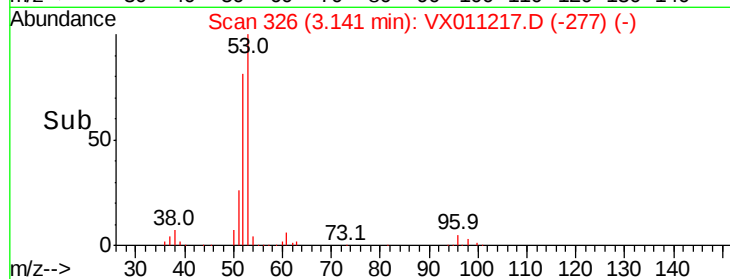
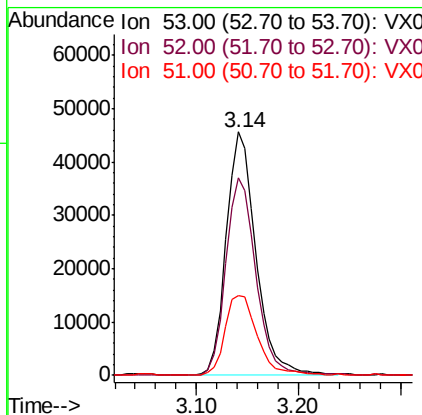
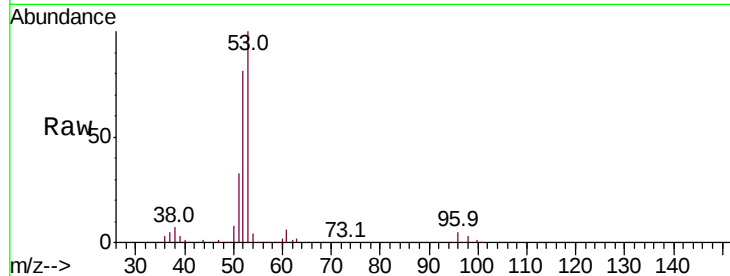
ClientSampleId :

VX0730WBS02

Tot Ion:	53	Resp:	92064
Ion Ratio	Lower	Upper	
53	100		
52	81.6	66.5	99.7
51	35.3	28.2	42.4

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#16

Acetone

Concen: 86.279 ug/l

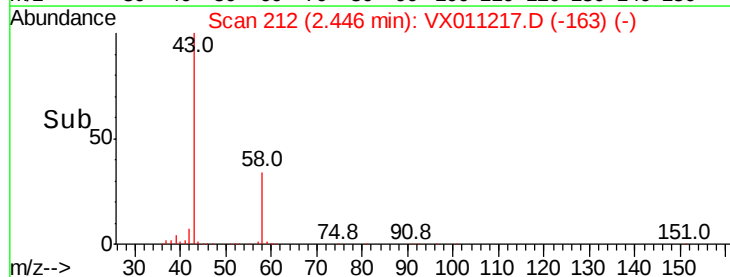
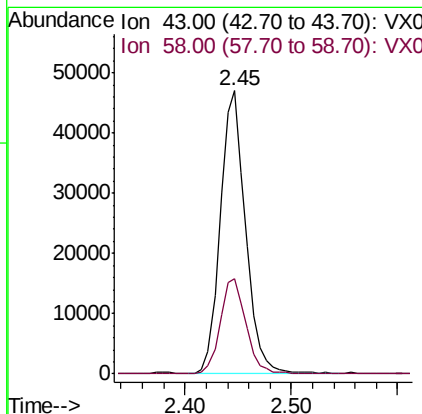
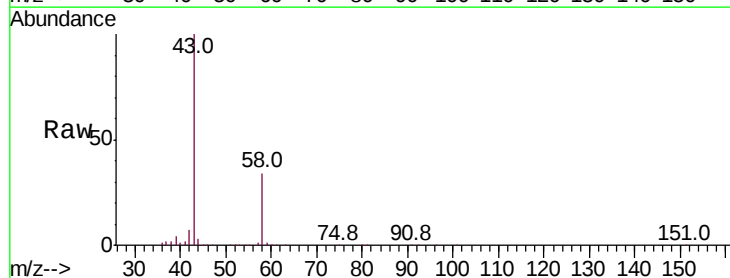
RT: 2.45 min Scan# 212

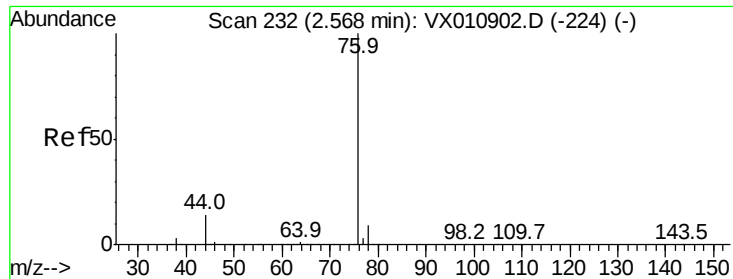
Delta R.T. -0.00 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

Tgt Ion:	43	Resp:	77003
Ion Ratio	Lower	Upper	
43	100		
58	33.5	27.7	41.5





#17

Carbon Disulfide

Concen: 14.053 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBS02

Tot Ion: 76 Resp: 59641

Ion Ratio Lower Upper

76 100

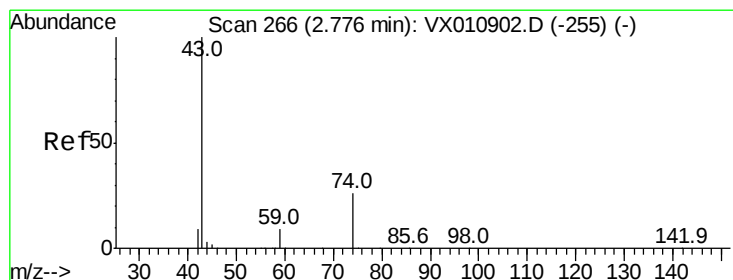
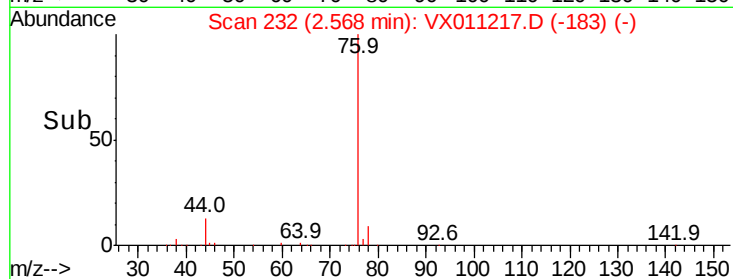
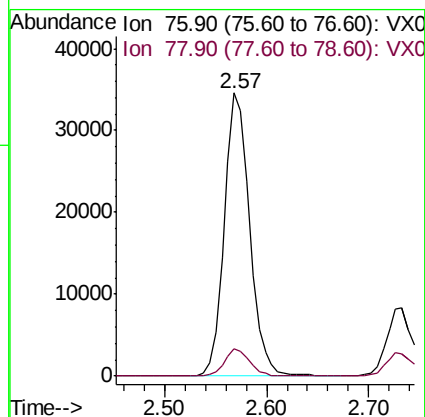
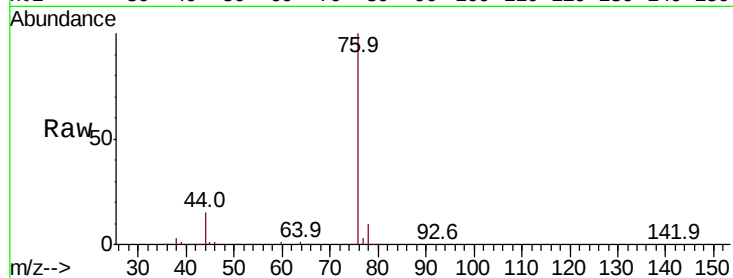
78 9.6 7.4 11.0

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#18

Methyl Acetate

Concen: 22.201 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX011217.D

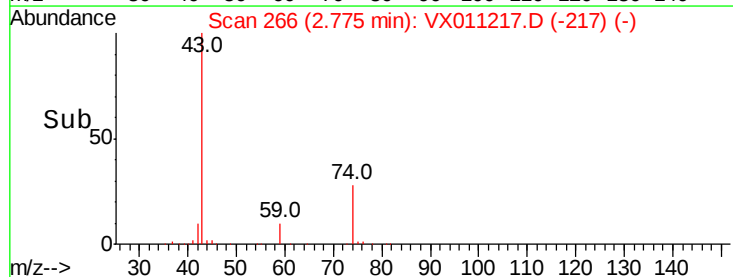
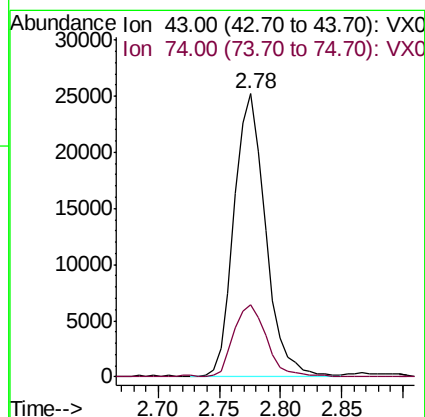
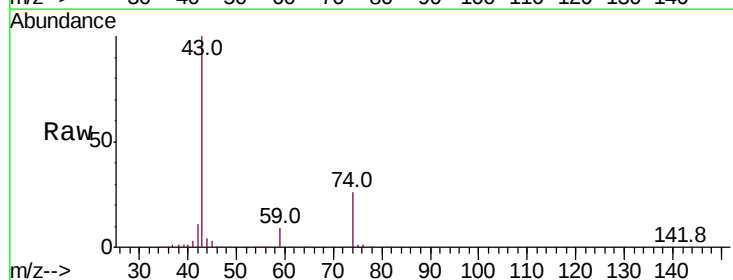
Acq: 31 Jul 2019 00:41

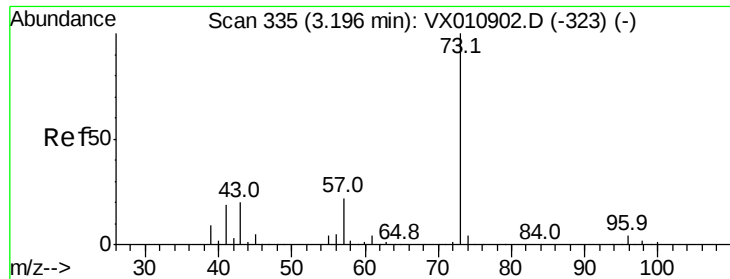
Tgt Ion: 43 Resp: 45117

Ion Ratio Lower Upper

43 100

74 27.1 21.5 32.3





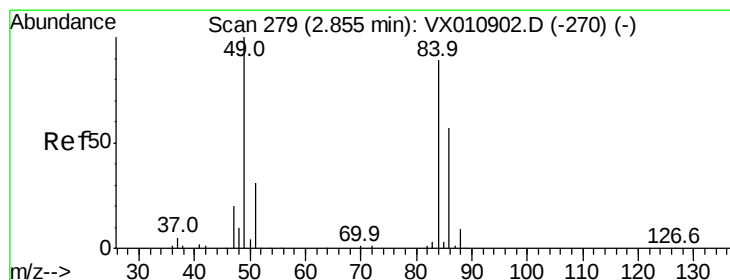
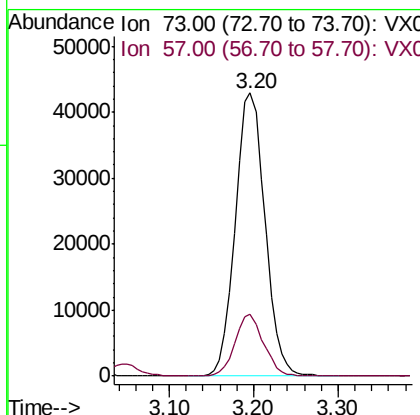
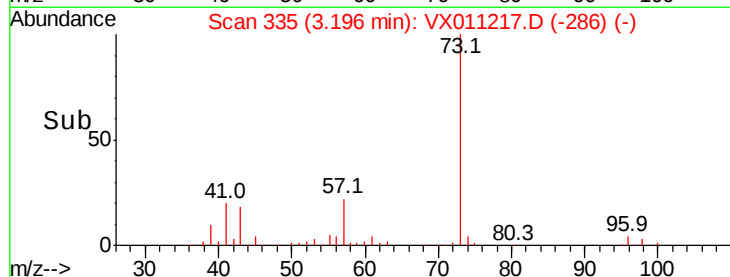
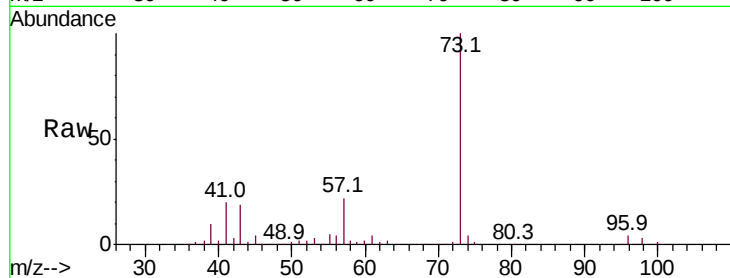
#19
Methvl tert-butvl Ether
Concen: 19.167 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX011217.D
Acq: 31 Jul 2019 00:41

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBS02

Tot Ion: 73 Resp: 102086
Ion Ratio Lower Upper
73 100
57 21.8 17.3 25.9

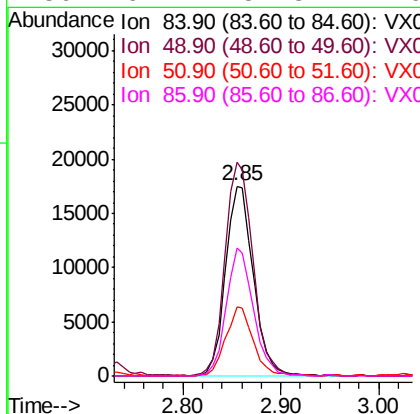
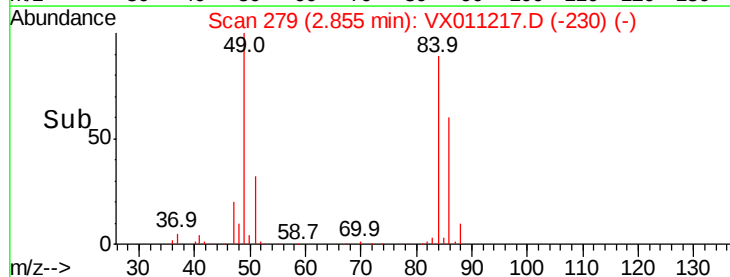
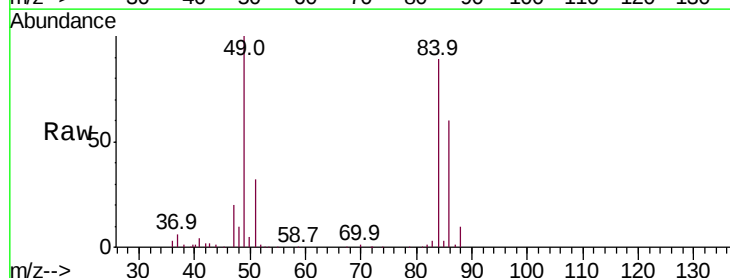
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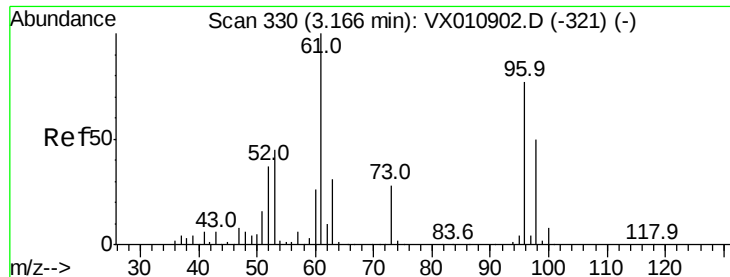
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#20
Methylene Chloride
Concen: 18.280 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX011217.D
Acq: 31 Jul 2019 00:41

Tgt Ion: 84 Resp: 34575
Ion Ratio Lower Upper
84 100
49 112.6 89.9 134.9
51 36.1 27.8 41.6
86 67.2 51.8 77.6





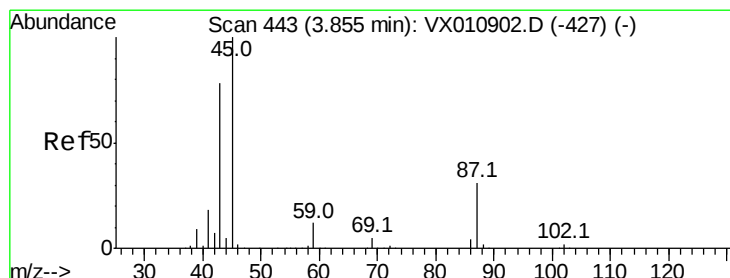
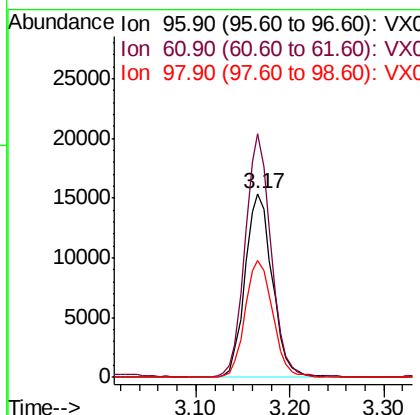
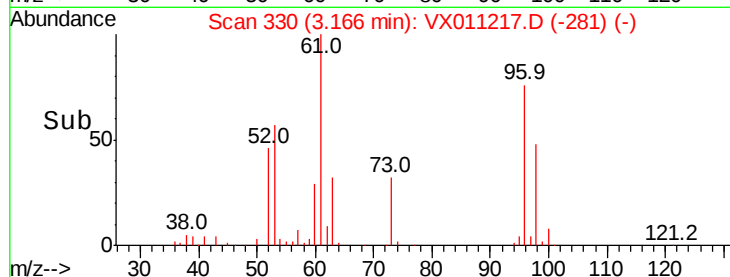
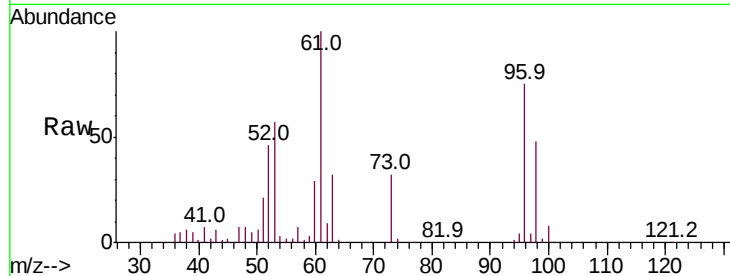
#21
trans-1,2-Dichloroethene
Concen: 17.618 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX011217.D
Acq: 31 Jul 2019 00:41

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.5	104.2	156.2
98	63.8	52.2	78.4

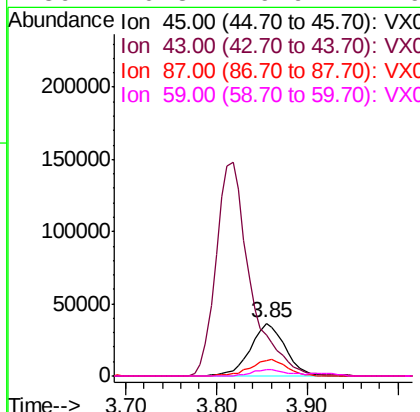
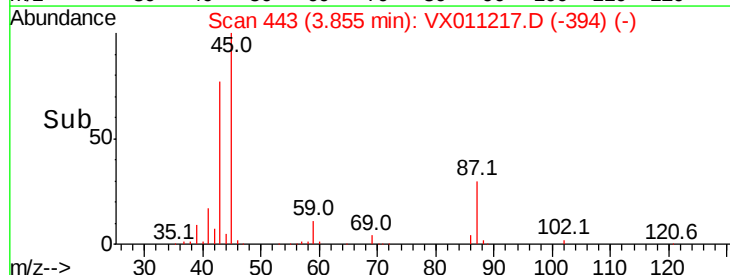
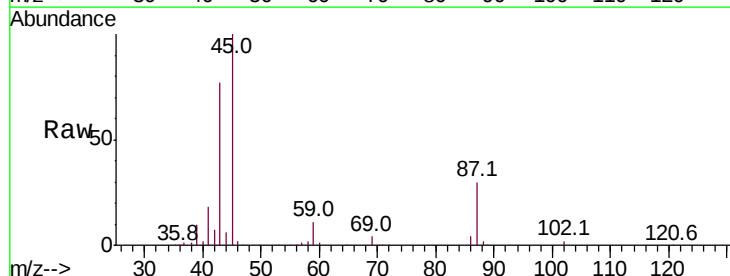
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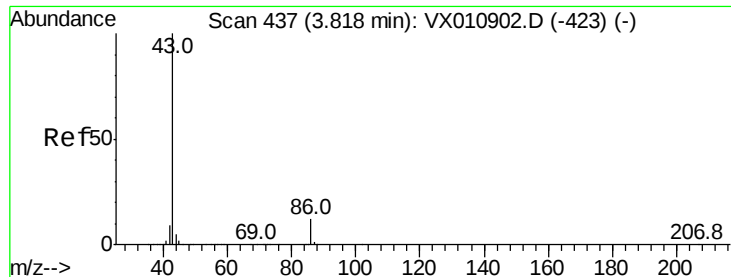
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#22
Diisopropyl ether
Concen: 19.173 ug/l
RT: 3.85 min Scan# 443
Delta R.T. -0.00 min
Lab File: VX011217.D
Acq: 31 Jul 2019 00:41

Tgt Ion	Ratio	Lower	Upper
45	100		
43	75.5	62.3	93.5
87	29.5	25.0	37.4
59	10.8	9.9	14.9





#23

Vinyl Acetate

Concen: 90.939 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBS02

Tot Ion: 43 Resp: 390542

Ion Ratio Lower Upper

43 100

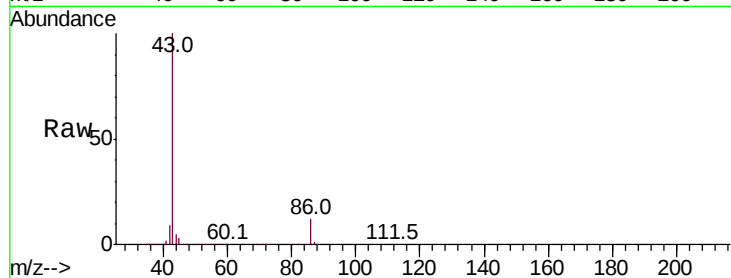
86 12.0 9.4 14.0

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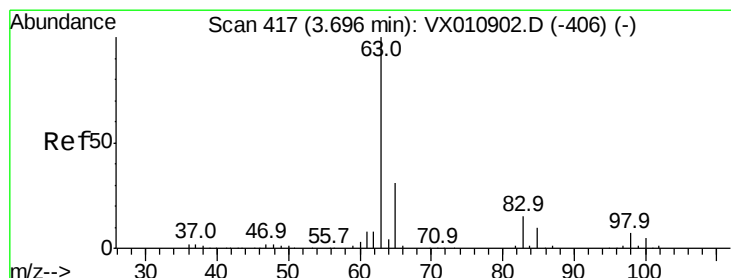
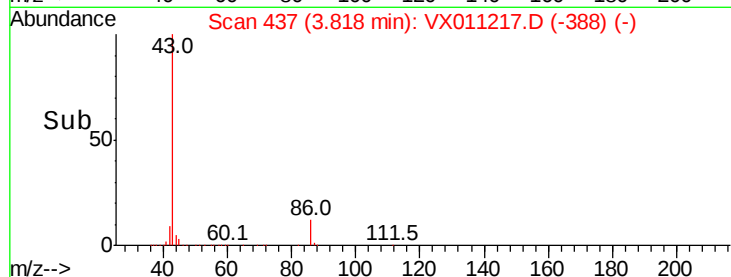
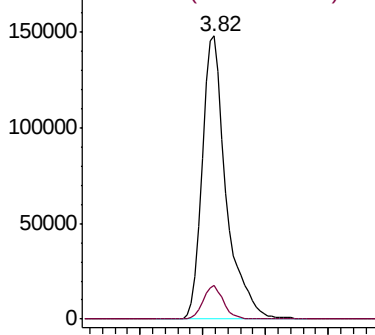
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 18.538 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

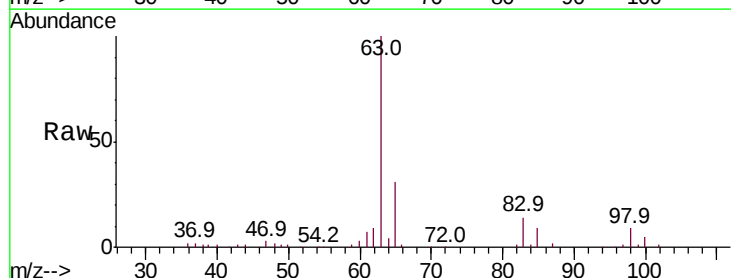
Tgt Ion: 63 Resp: 54567

Ion Ratio Lower Upper

63 100

98 8.9 3.6 10.9

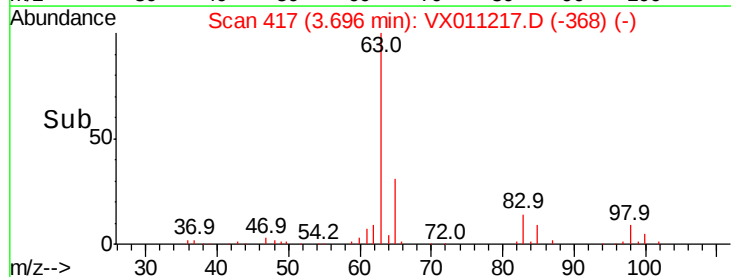
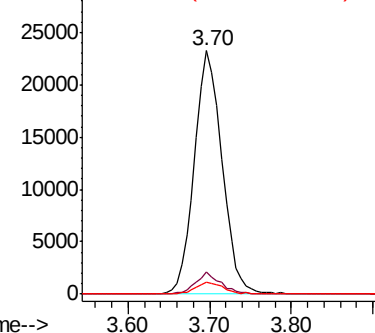
100 4.7 2.4 7.2

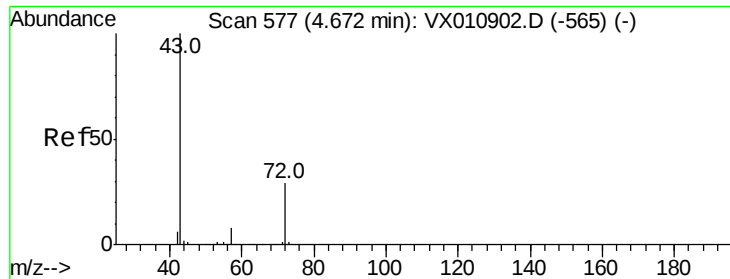


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 96.479 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBS02

Tot Ion: 43 Resp: 123605

Ion Ratio Lower Upper

43 100

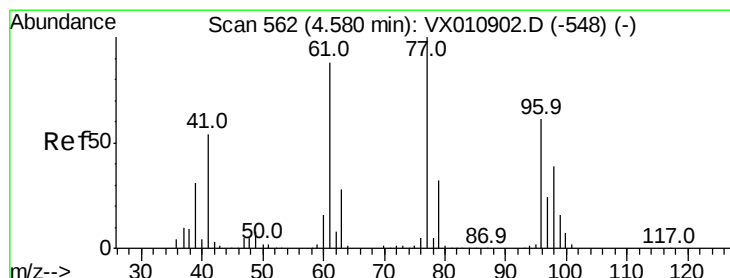
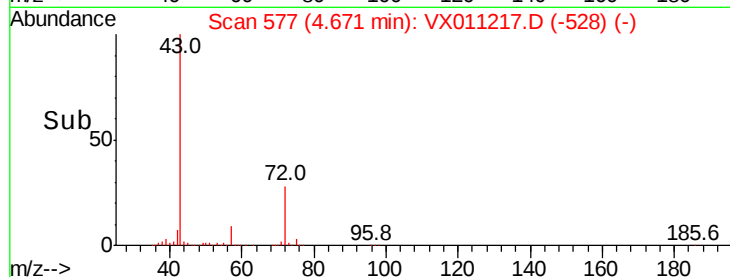
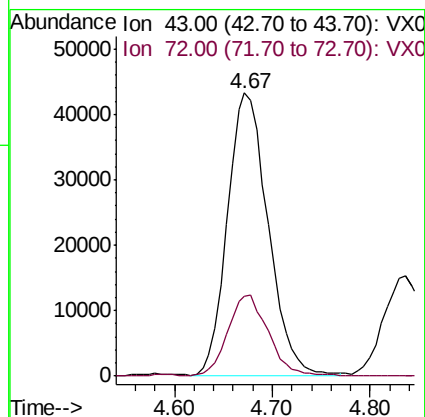
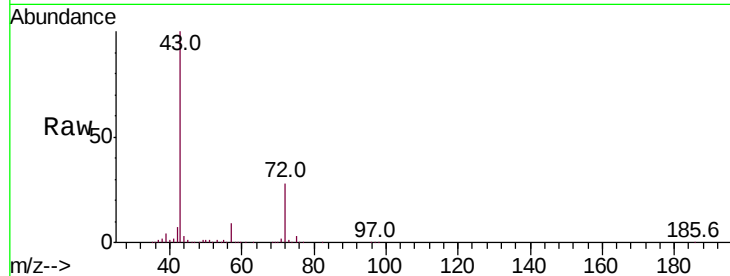
72 28.0 23.0 34.6

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#26

2,2-Dichloropropane

Concen: 12.799 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX011217.D

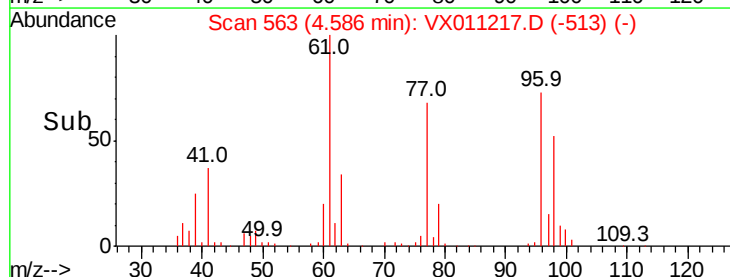
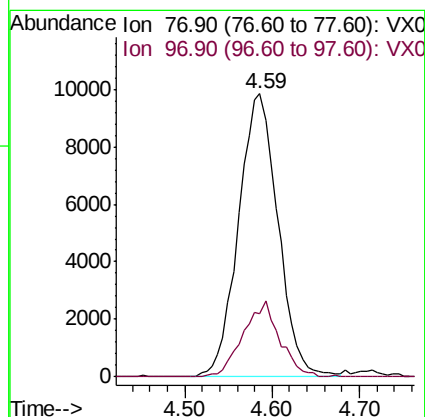
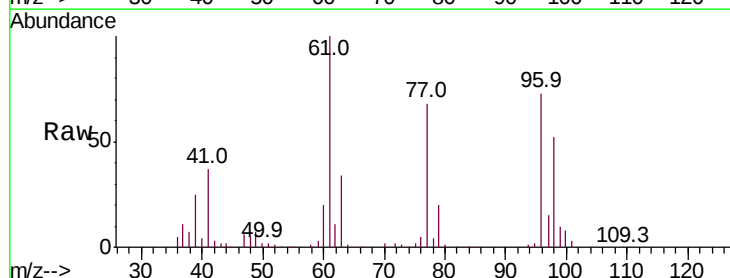
Acq: 31 Jul 2019 00:41

Tgt Ion: 77 Resp: 30935

Ion Ratio Lower Upper

77 100

97 24.8 12.6 37.6





#27

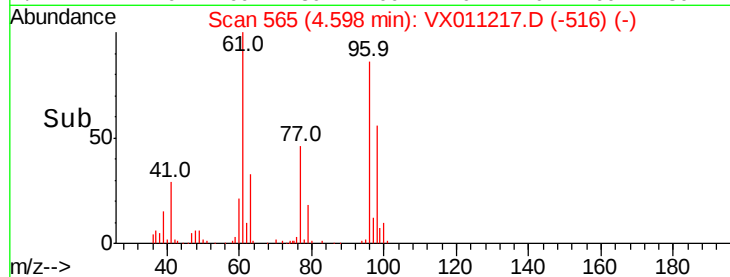
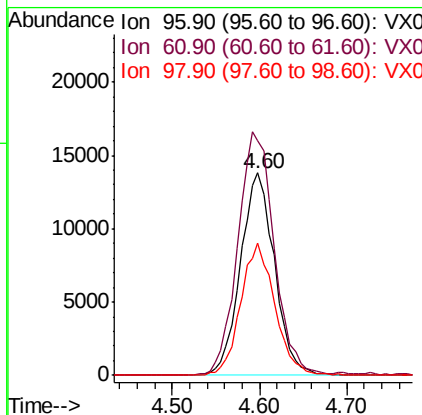
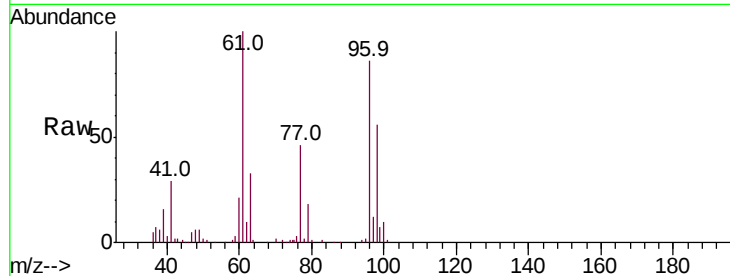
cis-1,2-Dichloroethene
Concen: 18.369 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX011217.D
Acq: 31 Jul 2019 00:41

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.5	0.0	269.0
98	65.6	0.0	131.4

Manual Integrations
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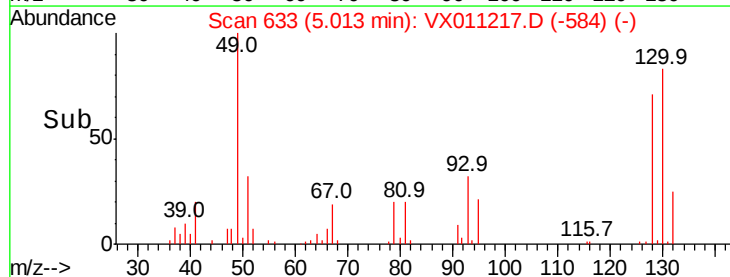
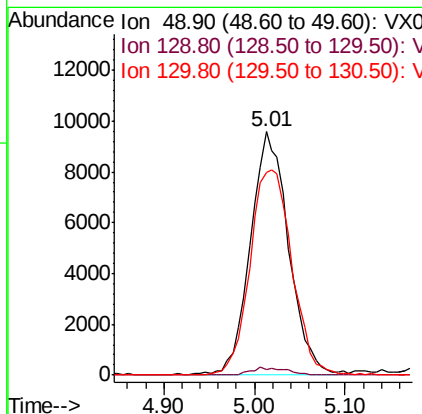
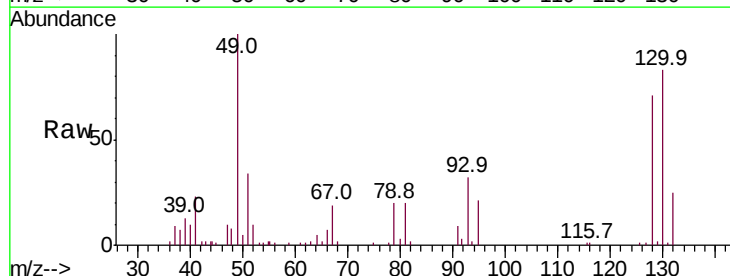
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7/31/2019 10:55:56 AM

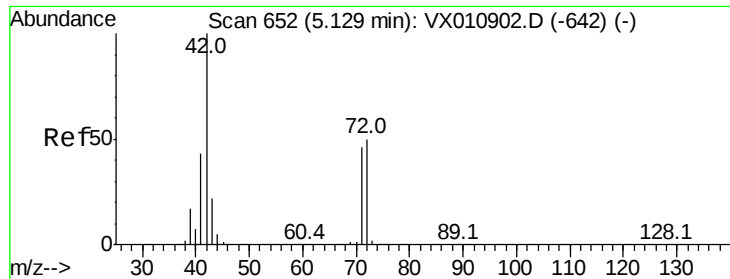


#28

Bromochloromethane
Concen: 20.086 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.00 min
Lab File: VX011217.D
Acq: 31 Jul 2019 00:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	5.2
130	92.7	76.9	115.3





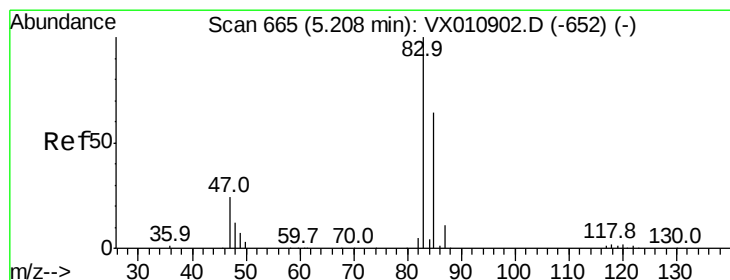
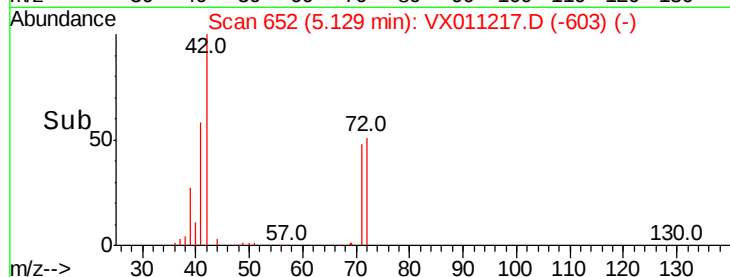
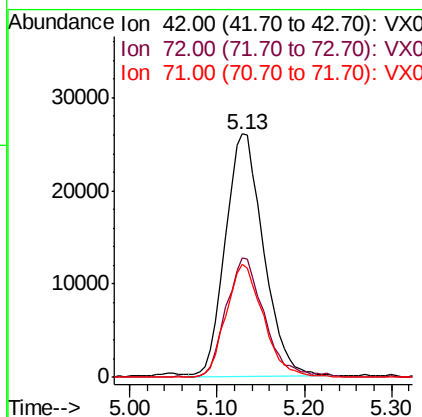
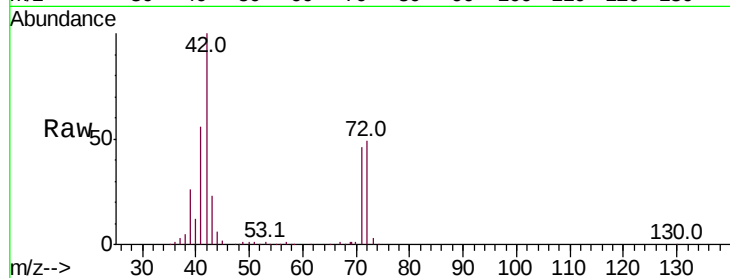
#29
Tetrahydrofuran
Concen: 97.034 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX011217.D
Acq: 31 Jul 2019 00:41

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.8	39.8	59.8
71	45.8	37.0	55.4

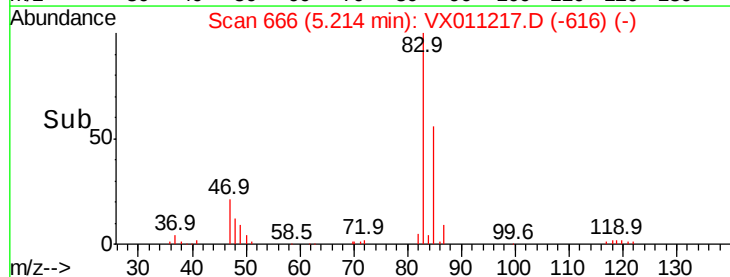
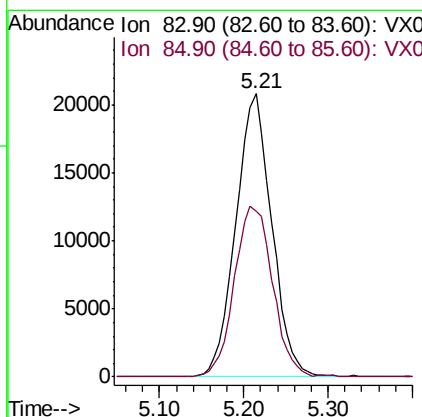
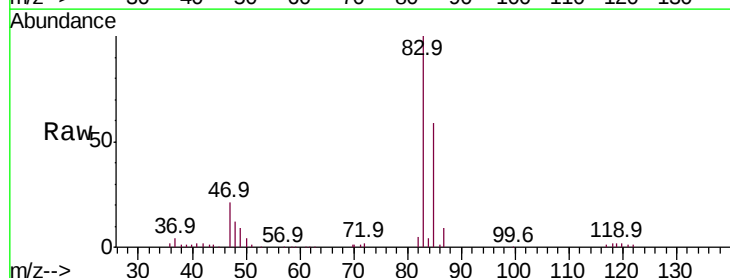
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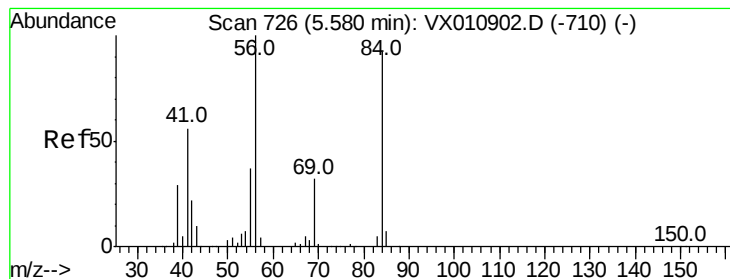
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#30
Chloroform
Concen: 18.874 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX011217.D
Acq: 31 Jul 2019 00:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.5	51.4	77.0





#31

Cyclohexane

Concen: 17.153 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBS02

Tot Ion: 56 Resp: 46022

Ion Ratio Lower Upper

56 100

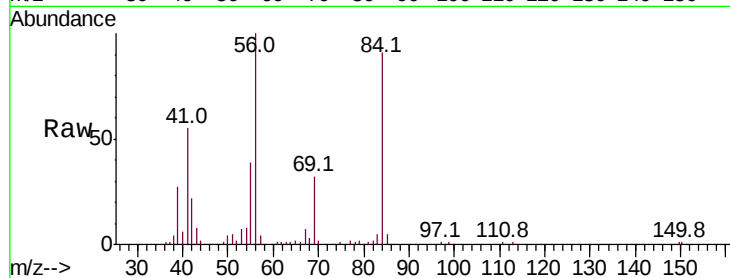
69 32.2 25.8 38.8

84 89.4 73.8 110.6

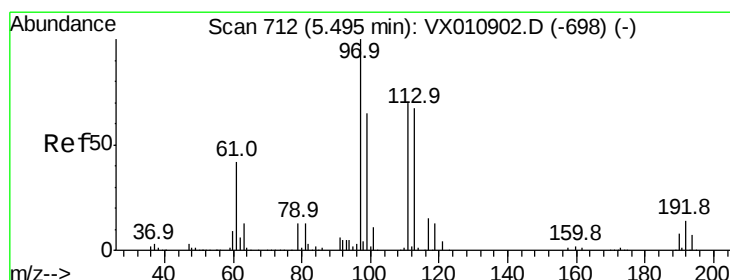
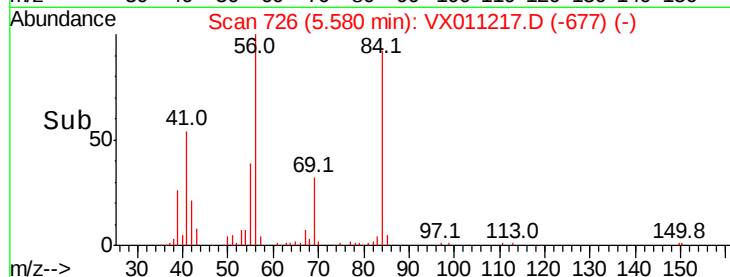
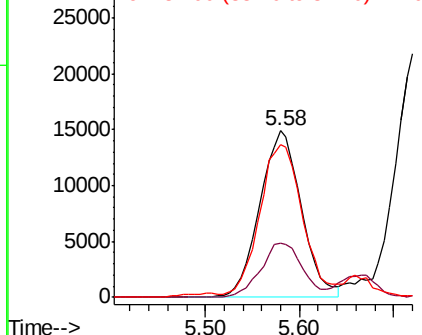
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Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 18.435 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

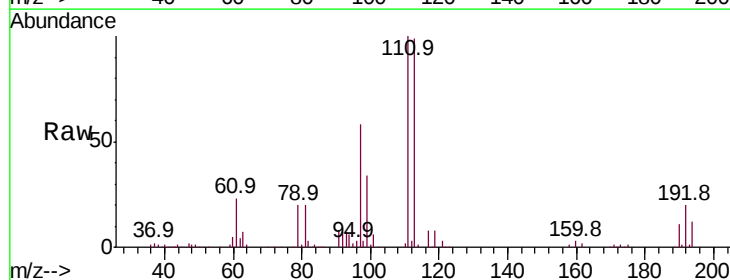
Tgt Ion: 97 Resp: 50745

Ion Ratio Lower Upper

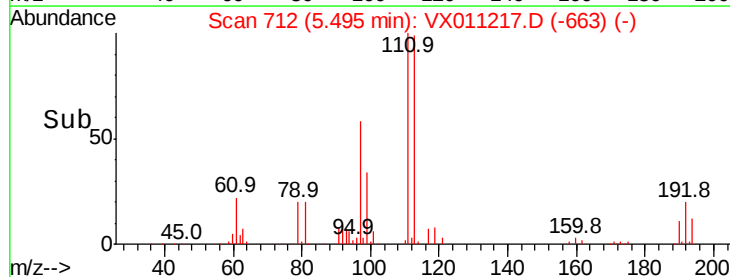
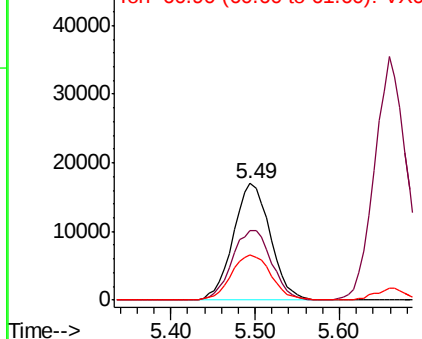
97 100

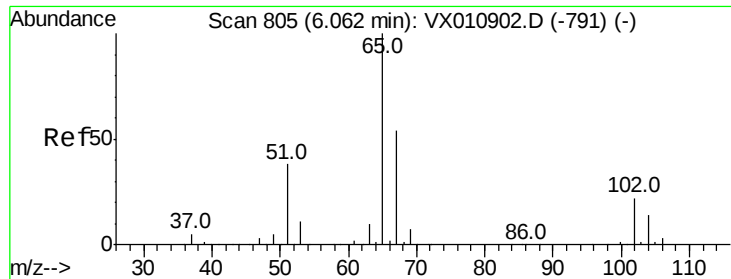
99 63.8 51.4 77.0

61 41.9 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





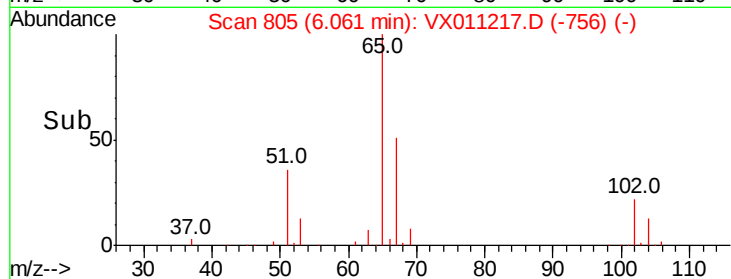
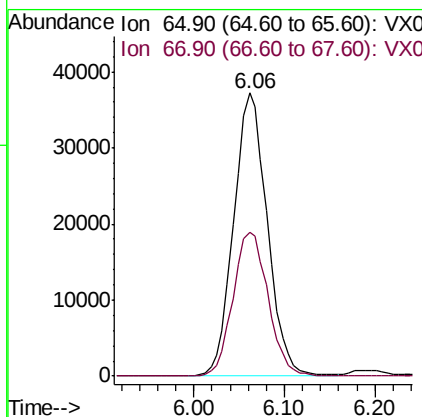
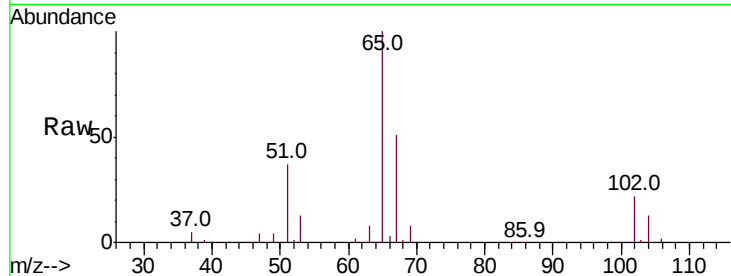
#33
 1,2-Dichloroethane-d4
 Concen: 48.371 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX011217.D
 Acq: 31 Jul 2019 00:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0730WBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	107.8

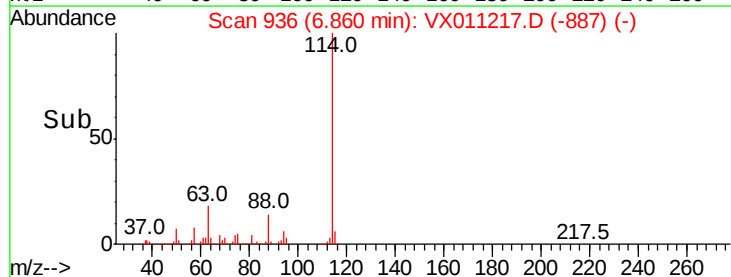
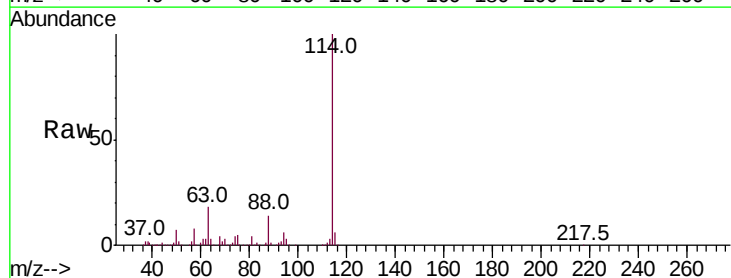
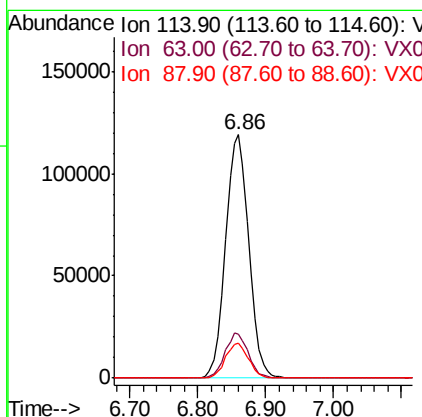
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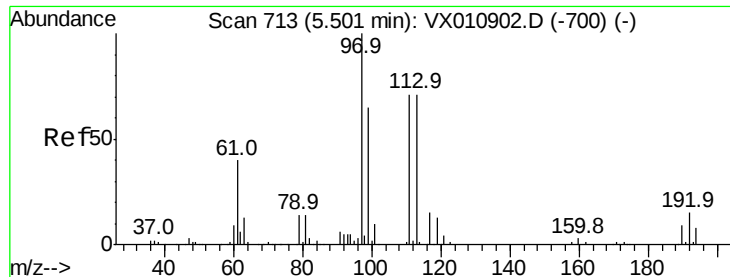
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX011217.D
 Acq: 31 Jul 2019 00:41

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	35.6
88	14.5	0.0	29.8





#35

Dibromofluoromethane

Concen: 47.069 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

Instrument :

MSVOA_X

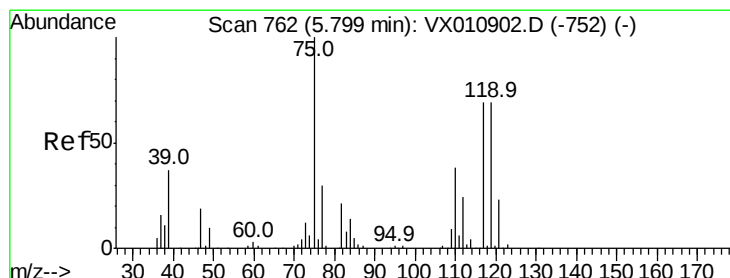
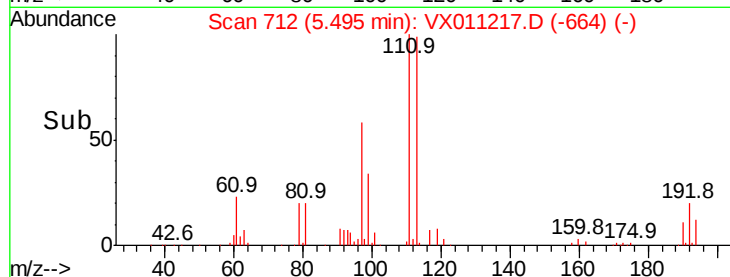
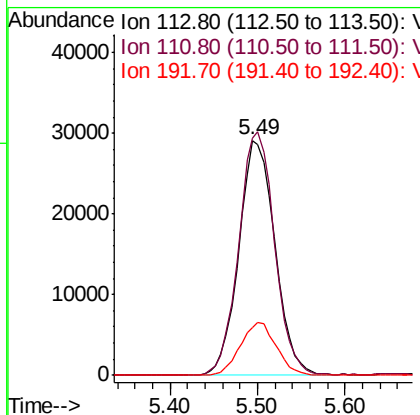
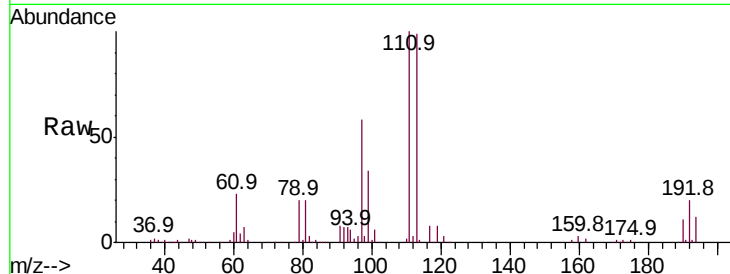
ClientSampleId :

VX0730WBS02

Tot Ion:	113	Resp:	83875
Ion Ratio	Lower	Upper	
113	100		
111	102.6	82.3	123.5
192	22.3	17.4	26.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 17.768 ug/l

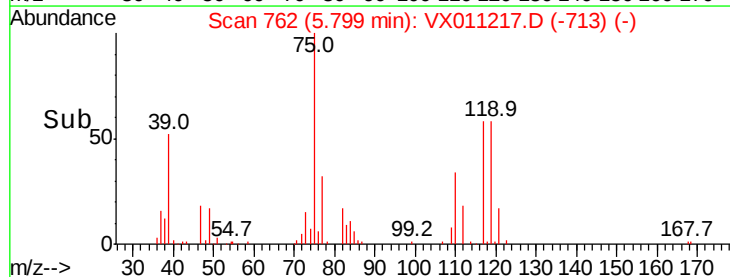
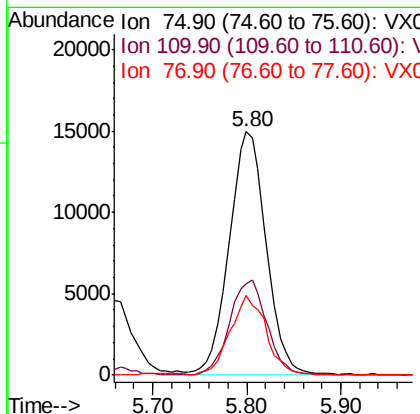
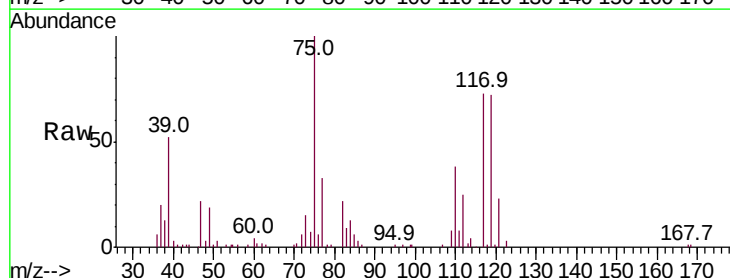
RT: 5.80 min Scan# 762

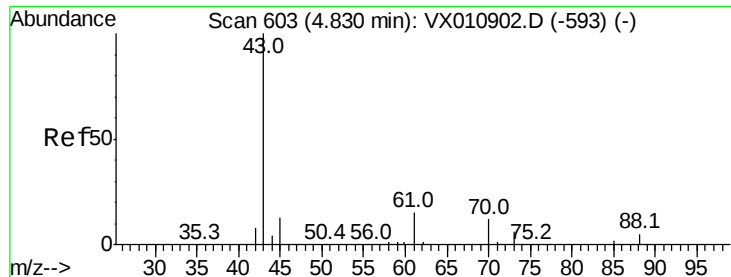
Delta R.T. -0.00 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

Tgt Ion:	75	Resp:	40975
Ion Ratio	Lower	Upper	
75	100		
110	39.1	19.9	59.7
77	31.8	25.0	37.4





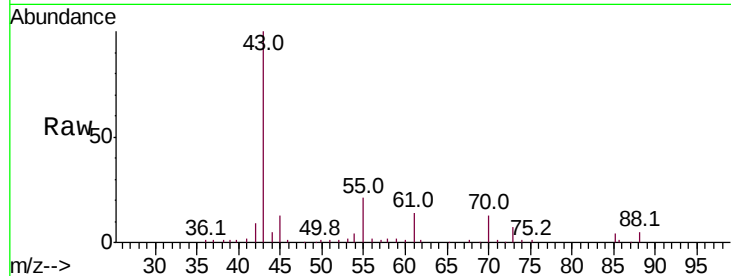
#37
Ethyl Acetate
Concen: 19.644 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX011217.D
Acq: 31 Jul 2019 00:41

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.6	17.4
70	11.8	9.1	13.7

Manual Integrations
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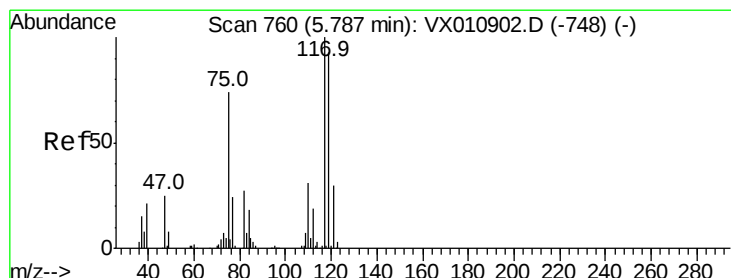
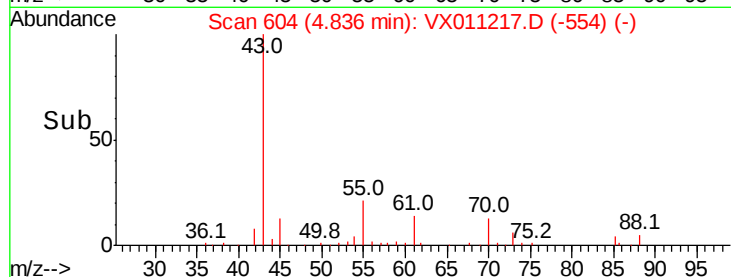
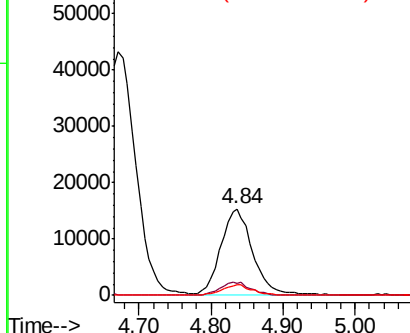


Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38
Carbon Tetrachloride
Concen: 17.490 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX011217.D
Acq: 31 Jul 2019 00:41

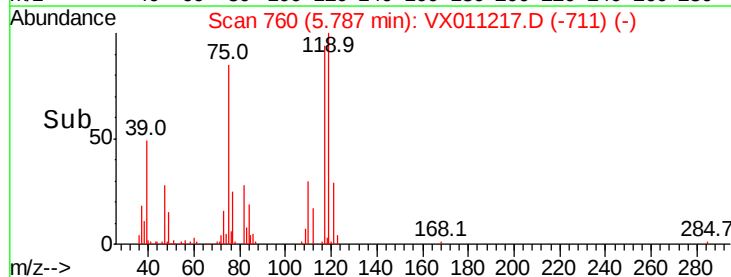
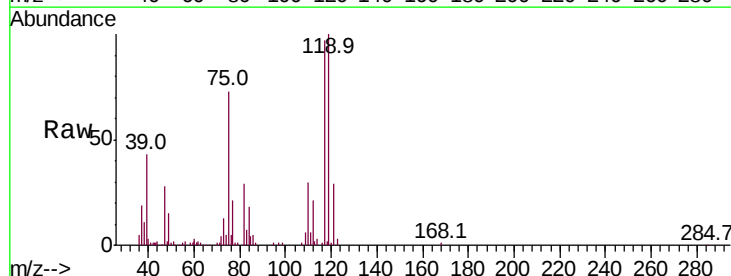
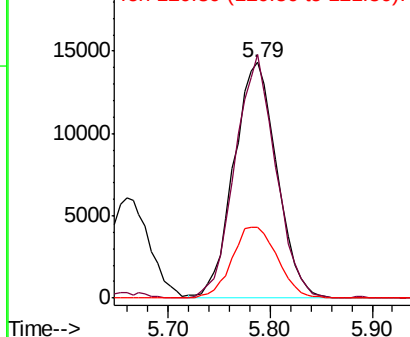
Tgt Ion	Ratio	Lower	Upper
117	100		
119	103.2	74.2	111.2
121	29.8	24.2	36.2

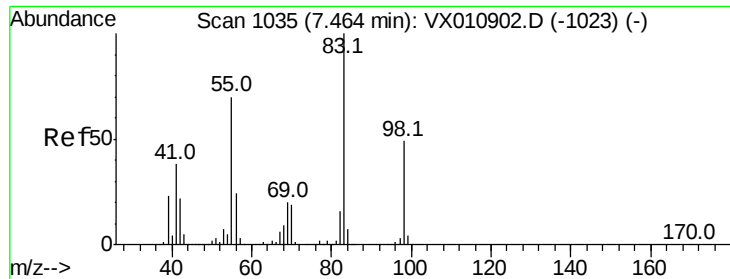
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





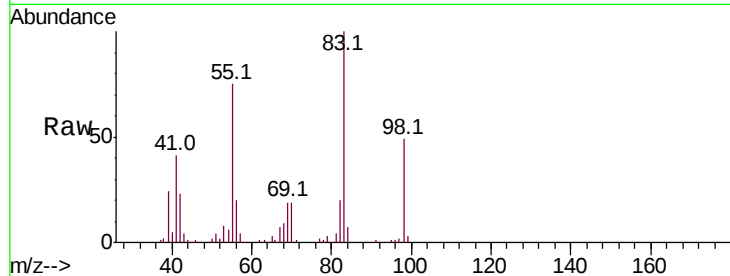
#39
Methvlcvclohexane
Concen: 16.329 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX011217.D
Acq: 31 Jul 2019 00:41

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.8	56.2	84.4
98	48.9	39.0	58.4

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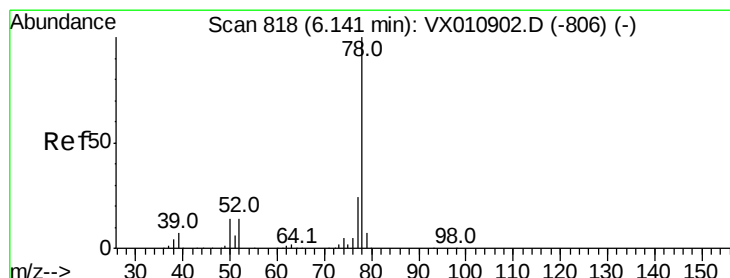
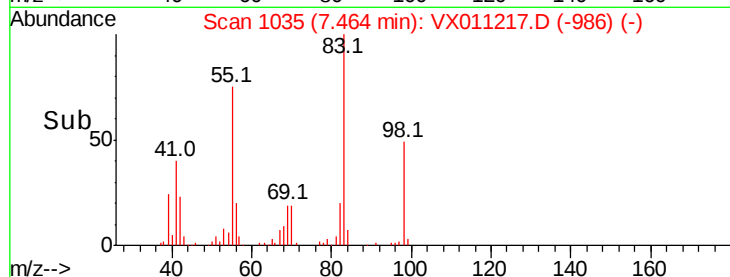
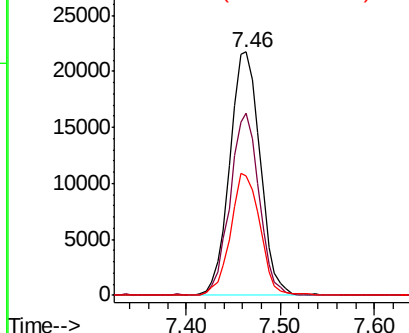


Abundance

Ion 83.00 (82.70 to 83.70): VX0

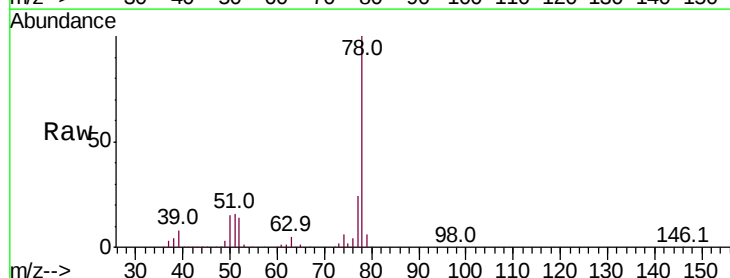
Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#40
Benzene
Concen: 18.385 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX011217.D
Acq: 31 Jul 2019 00:41

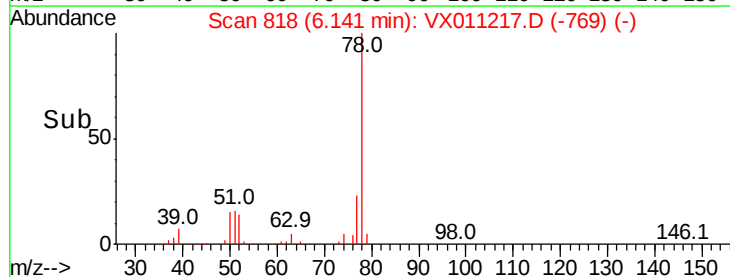
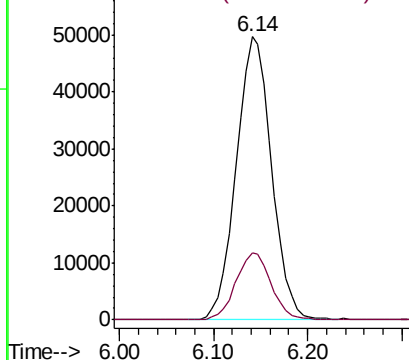
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6

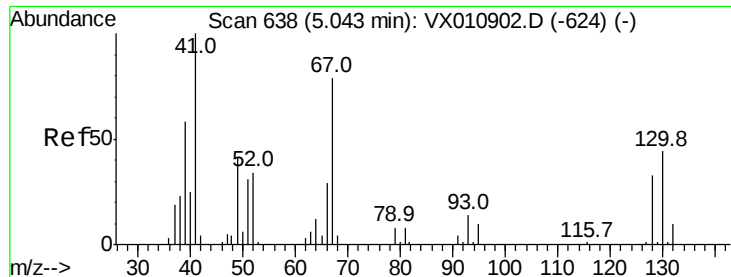


Abundance

Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 18.835 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

Instrument :

MSVOA_X

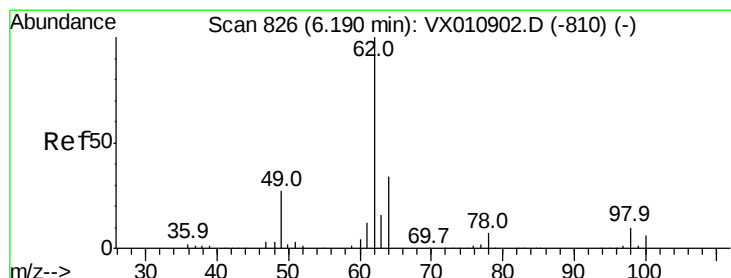
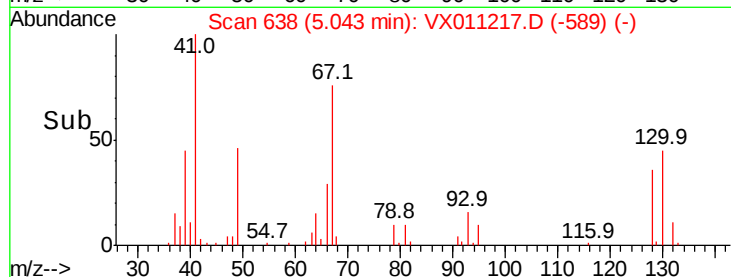
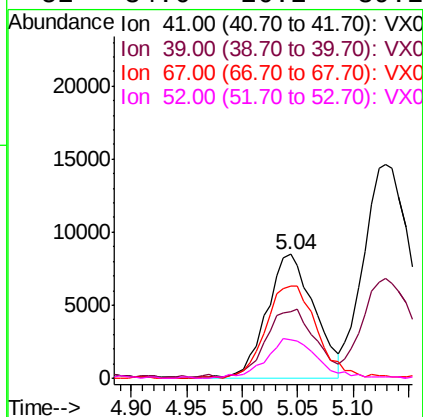
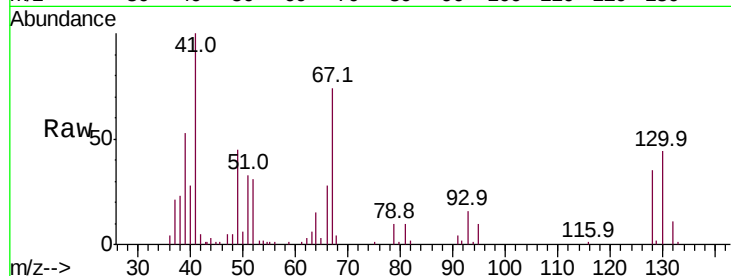
ClientSampleId :

VX0730WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.5	45.4	68.2	
67	79.3	65.9	98.9	
52	34.6	26.2	39.2	

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#42

1,2-Dichloroethane

Concen: 18.933 ug/l

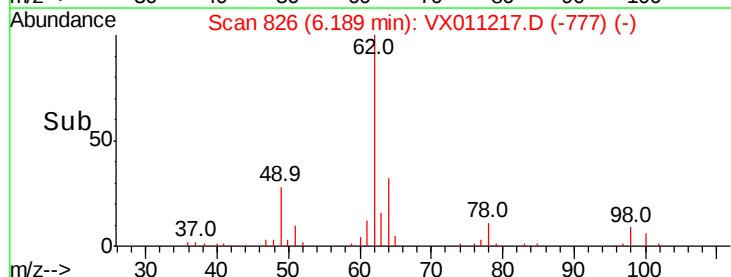
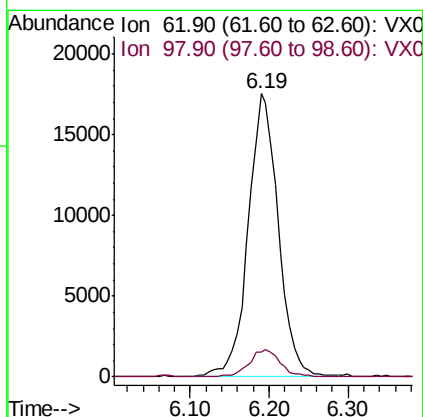
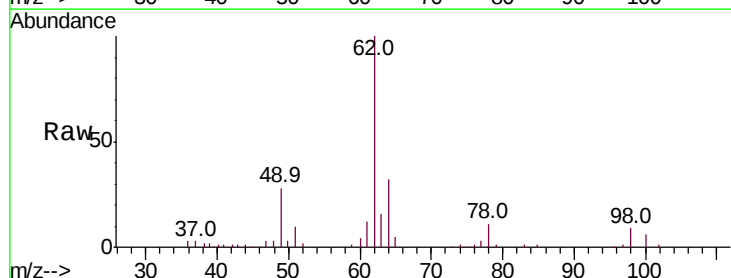
RT: 6.19 min Scan# 826

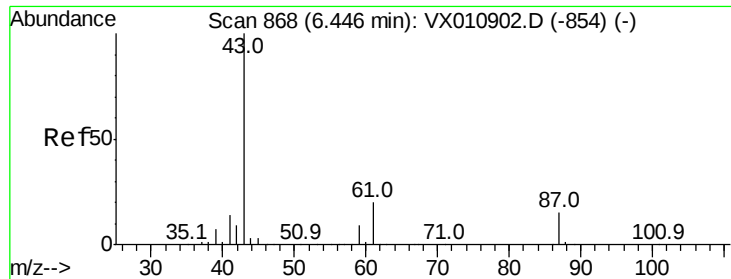
Delta R.T. -0.00 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.8	0.0	20.0	





#43

Isopropyl Acetate

Concen: 18.534 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

Instrument :

MSVOA_X

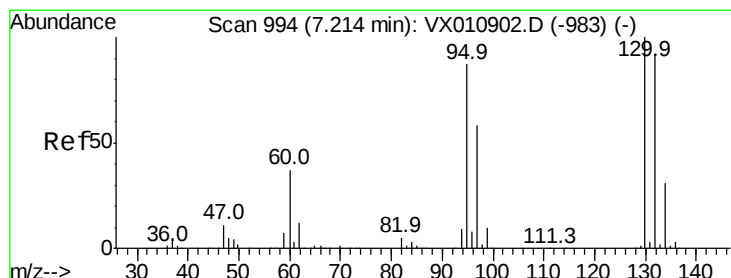
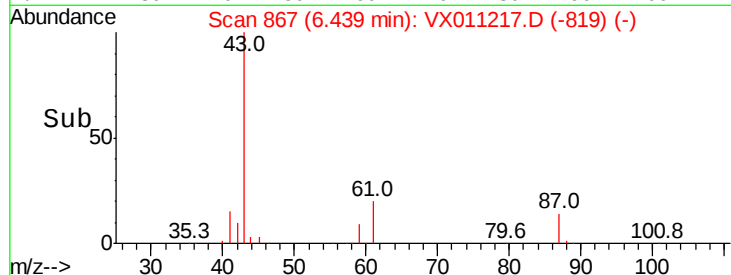
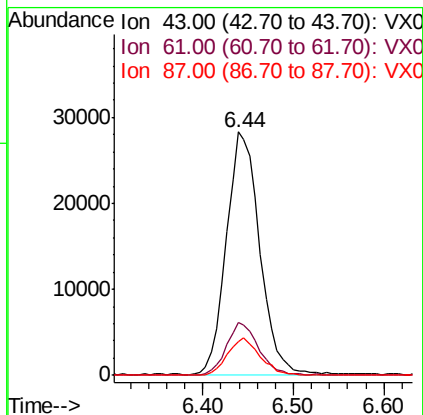
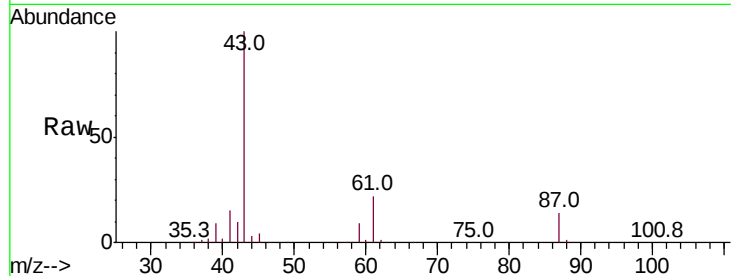
ClientSampleId :

VX0730WBS02

Tot Ion:	43	Resp:	71964
Ion	Ratio	Lower	Upper
43	100		
61	21.3	17.1	25.7
87	15.0	12.0	18.0

Manual Integrations
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#44

Trichloroethene

Concen: 18.040 ug/l

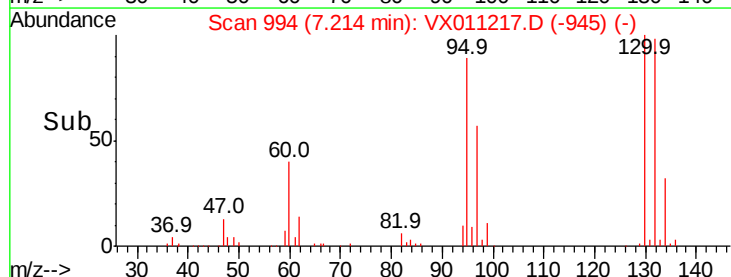
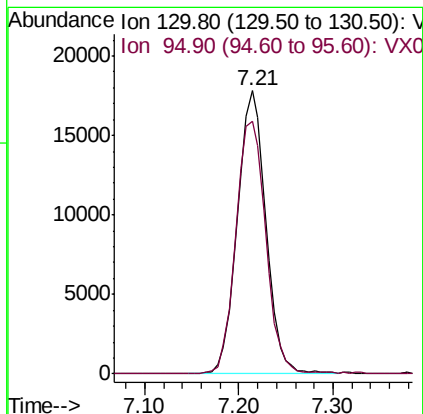
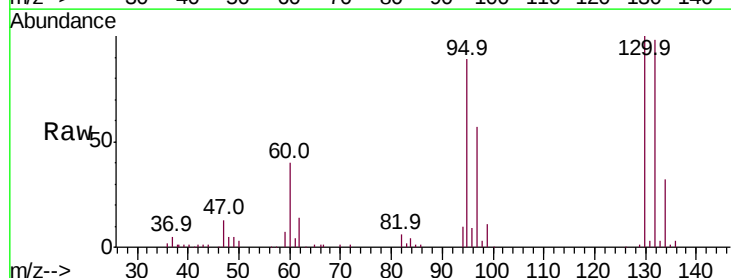
RT: 7.21 min Scan# 994

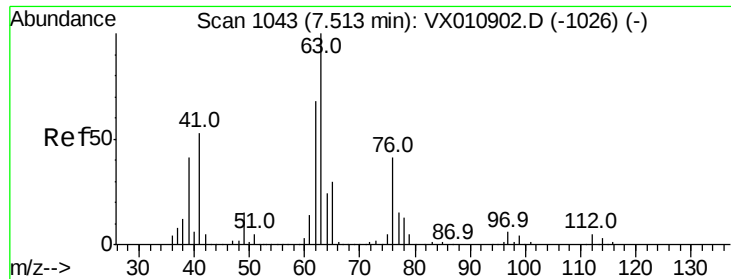
Delta R.T. -0.00 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

Tgt Ion:	130	Resp:	37721
Ion	Ratio	Lower	Upper
130	100		
95	89.1	0.0	174.8





#45

1,2-Dichloropropane

Concen: 18.969 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBS02

Tot Ion: 63 Resp: 34105

Ion Ratio Lower Upper

63 100

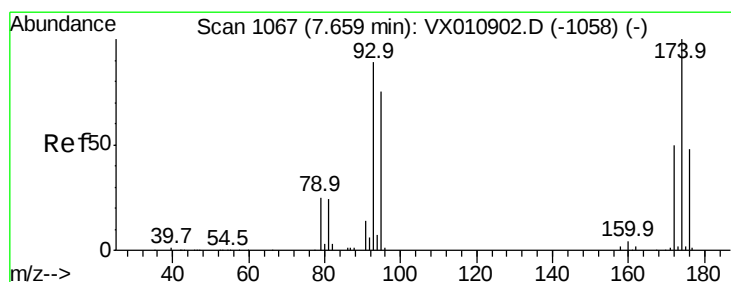
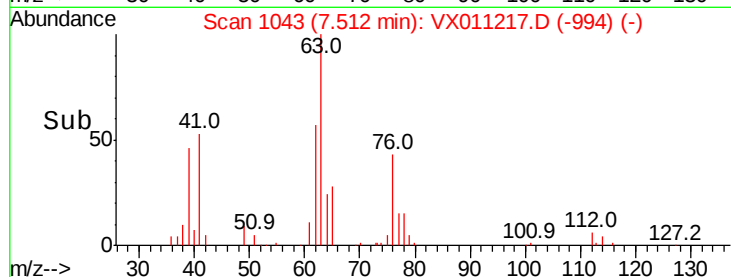
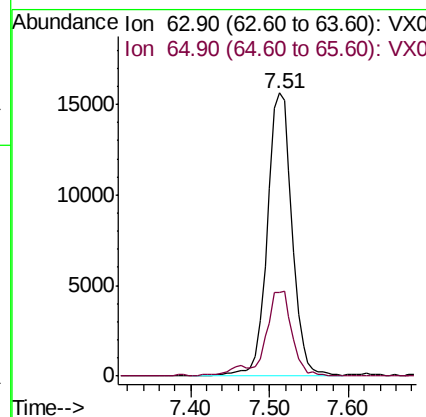
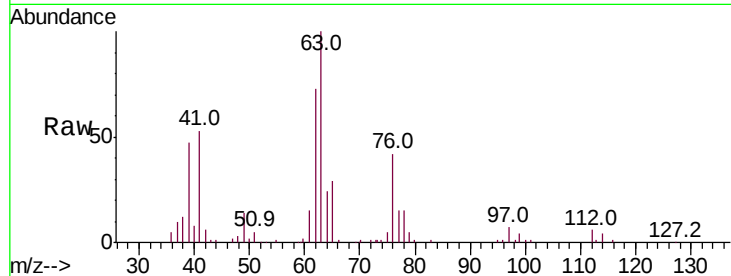
65 29.5 24.4 36.6

Manual Integrations

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7/31/2019 10:55:56 AM



#46

Dibromomethane

Concen: 19.115 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

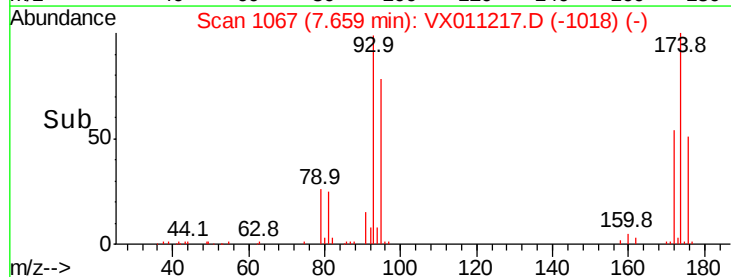
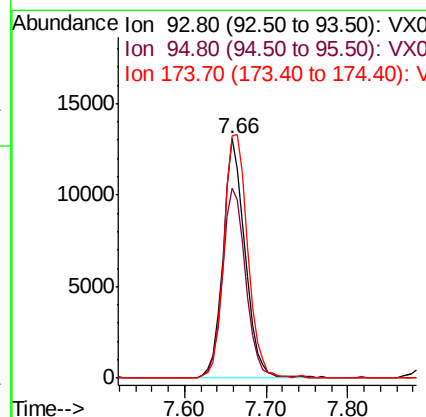
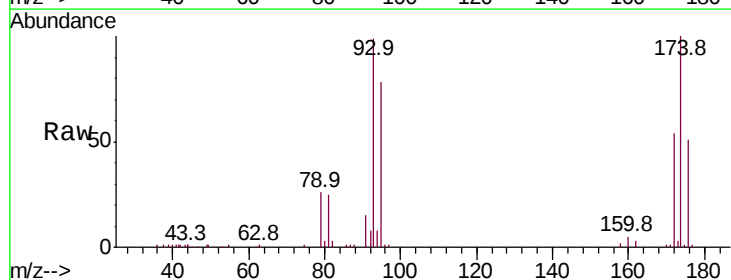
Tgt Ion: 93 Resp: 24558

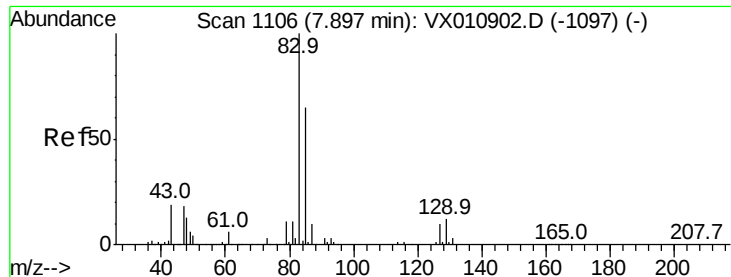
Ion Ratio Lower Upper

93 100

95 83.2 67.2 100.8

174 109.7 90.6 135.8





#47

Bromodichloromethane

Concen: 18.259 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

Instrument :

MSVOA_X

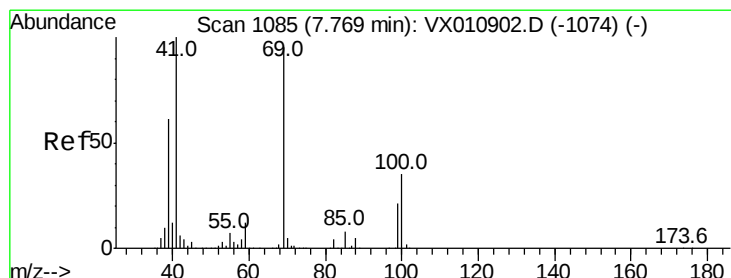
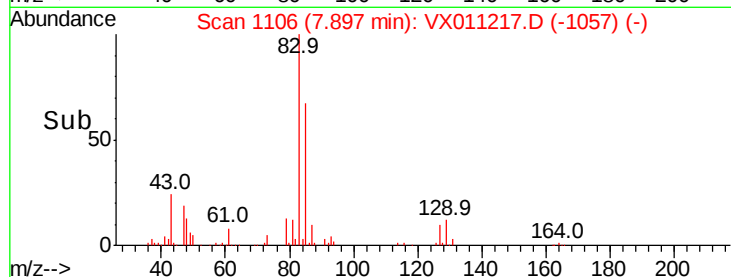
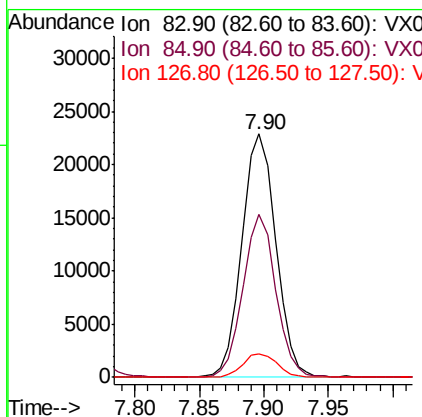
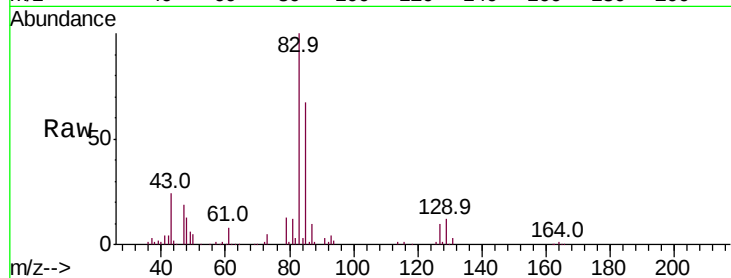
ClientSampleId :

VX0730WBS02

Tot Ion:	83	Resp:	41758
Ion	Ratio	Lower	Upper
83	100		
85	66.9	52.5	78.7
127	9.7	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.092 ug/l

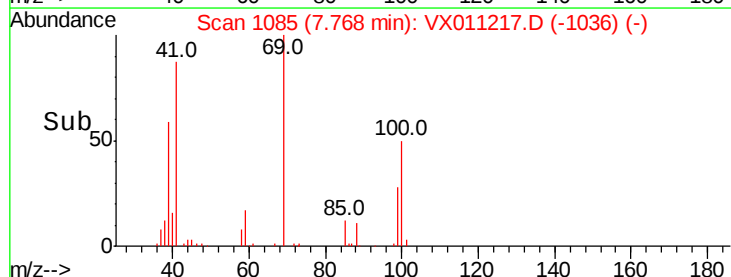
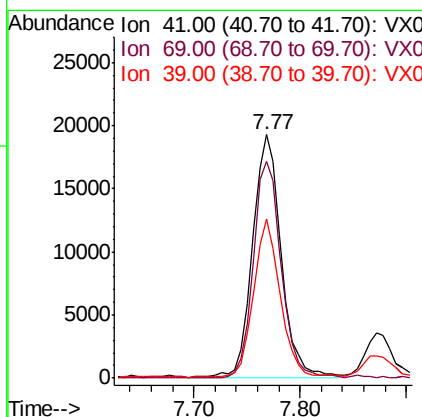
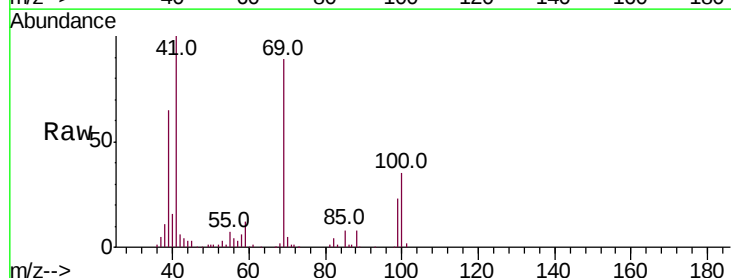
RT: 7.77 min Scan# 1085

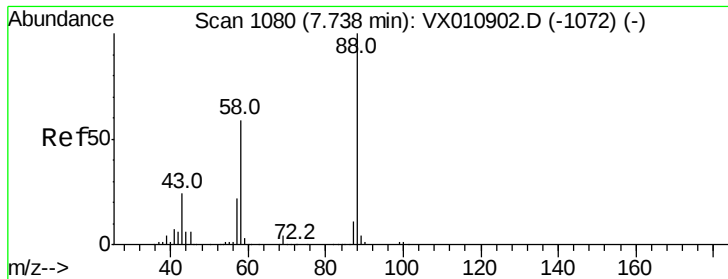
Delta R.T. -0.00 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

Tgt Ion:	41	Resp:	36112
Ion	Ratio	Lower	Upper
41	100		
69	87.8	74.4	111.6
39	61.3	48.9	73.3





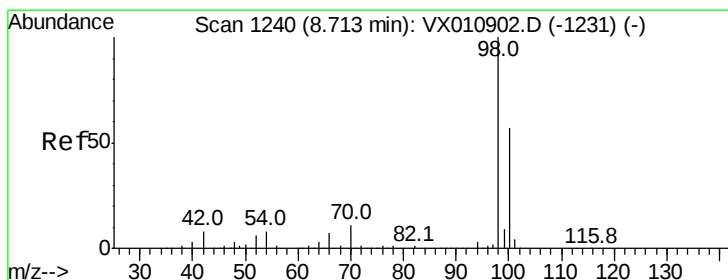
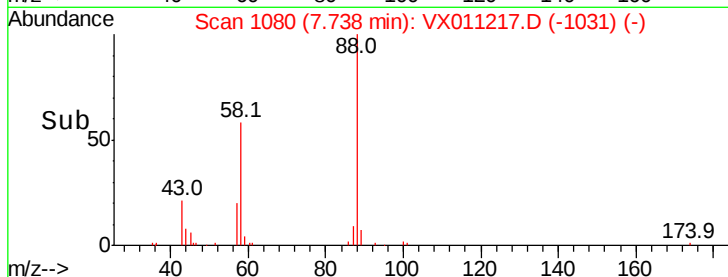
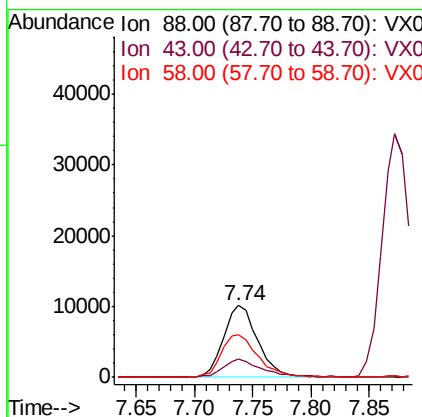
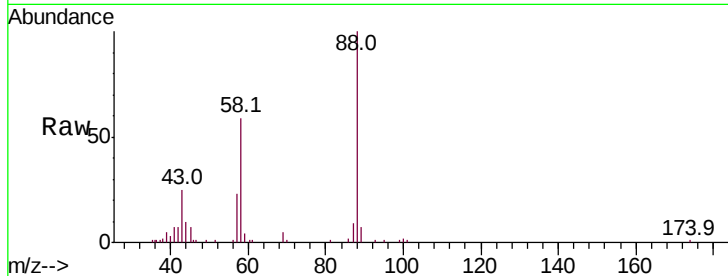
#49
1,4-Dioxane
Concen: 389.874 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX011217.D
Acq: 31 Jul 2019 00:41

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.8	22.9	34.3
58	64.3	49.8	74.8

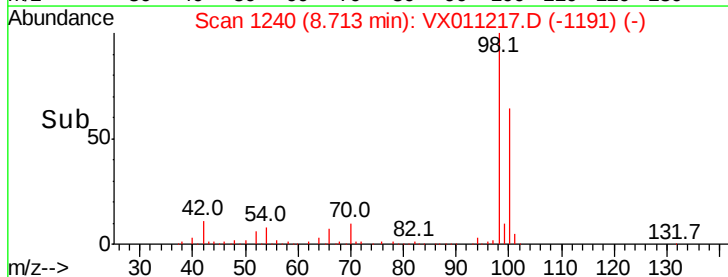
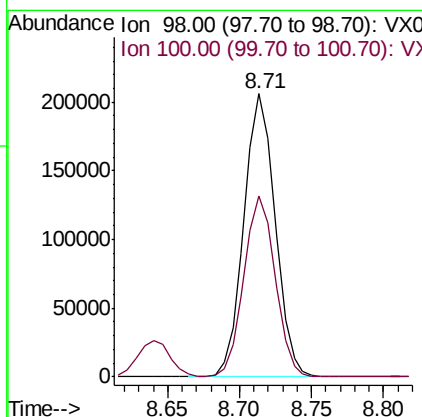
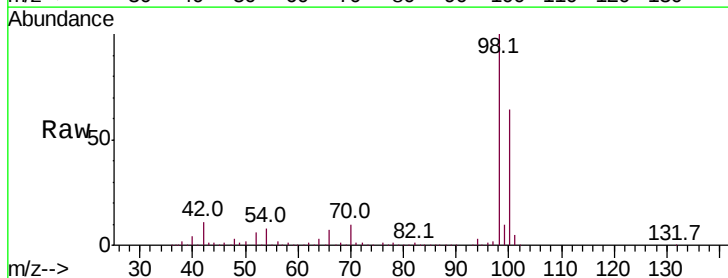
Manual Integrations
APPROVED

MMDadoda
7/31/2019 10:55:56 AM



#50
Toluene-d8
Concen: 46.333 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011217.D
Acq: 31 Jul 2019 00:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	50.6	75.8





#51

4-Methyl-2-Pentanone

Concen: 99.357 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBS02

Tot Ion: 43 Resp: 250076

Ion Ratio Lower Upper

43 100

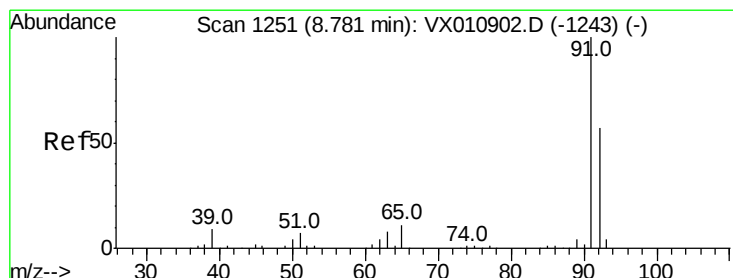
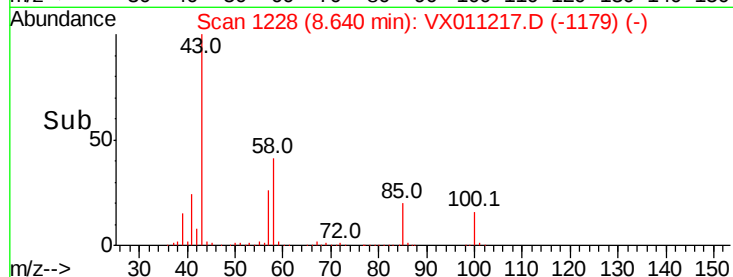
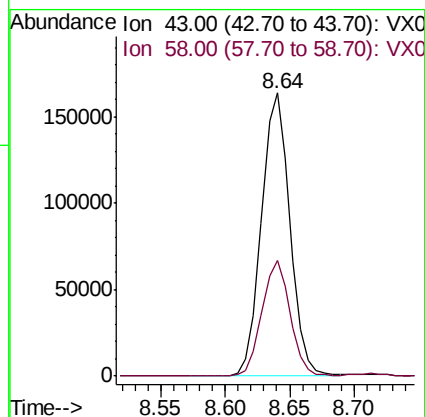
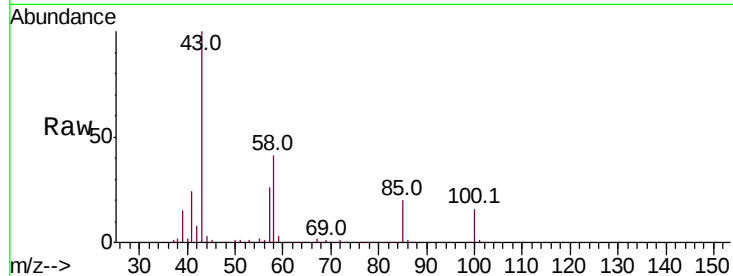
58 40.5 32.2 48.4

Manual Integrations

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#52

Toluene

Concen: 17.891 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX011217.D

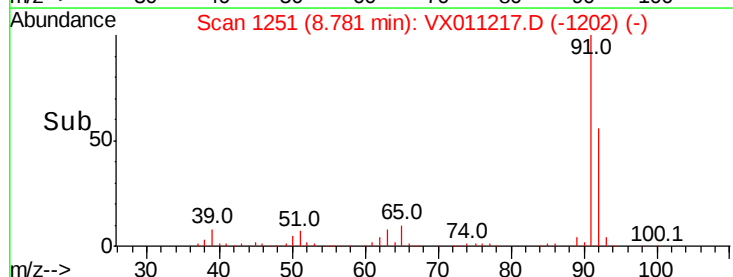
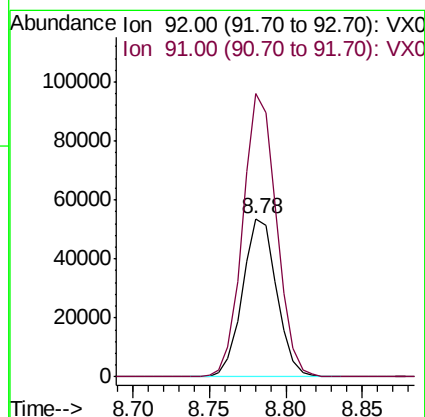
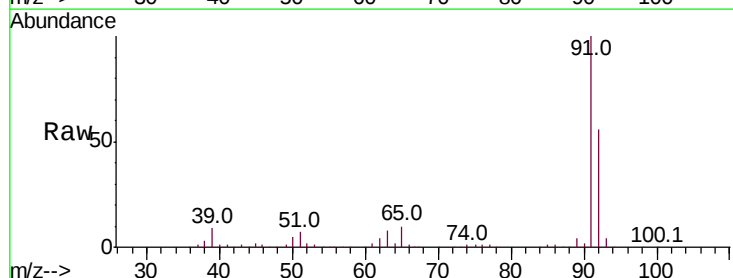
Acq: 31 Jul 2019 00:41

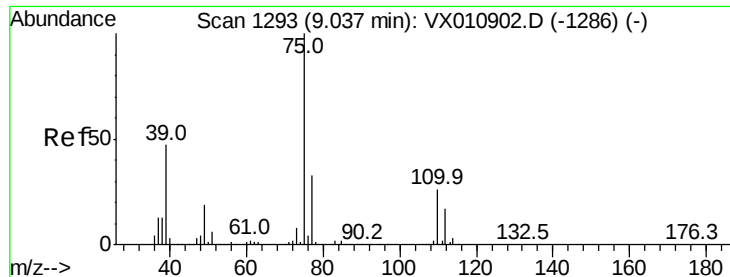
Tgt Ion: 92 Resp: 83022

Ion Ratio Lower Upper

92 100

91 177.3 139.4 209.0





#53

t-1,3-Dichloropropene

Concen: 16.315 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBS02

Tot Ion: 75 Resp: 40118

Ion Ratio Lower Upper

75 100

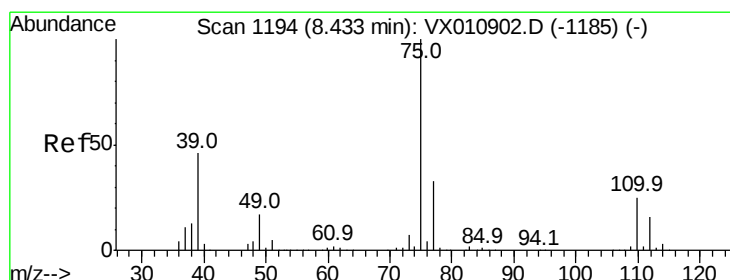
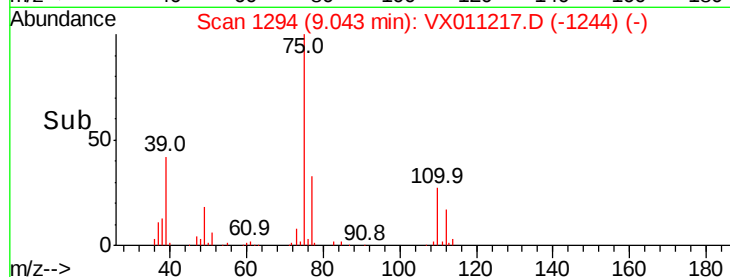
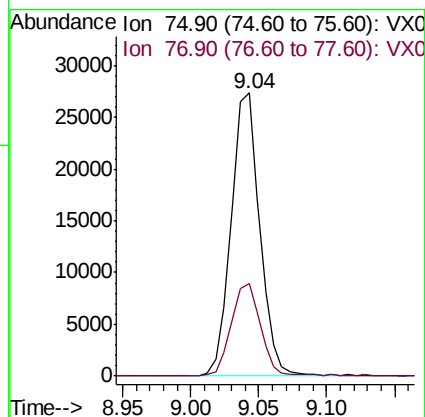
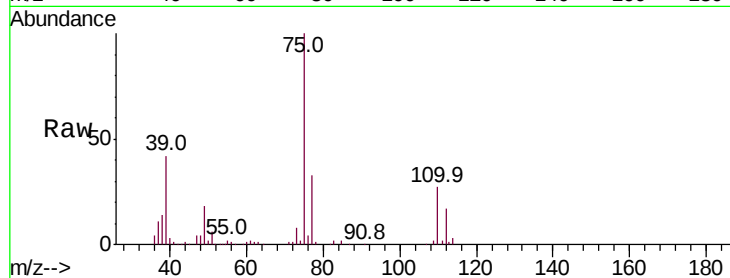
77 32.6 26.2 39.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 16.765 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

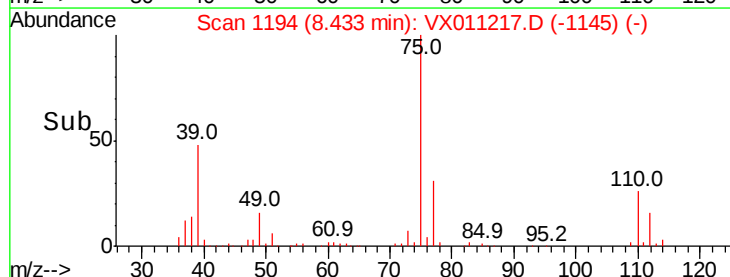
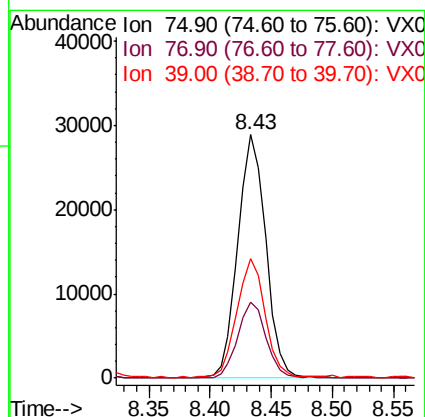
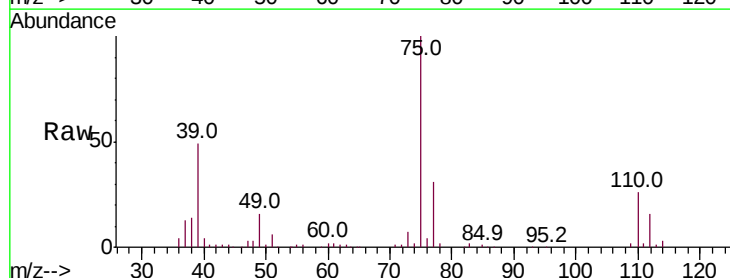
Tgt Ion: 75 Resp: 45874

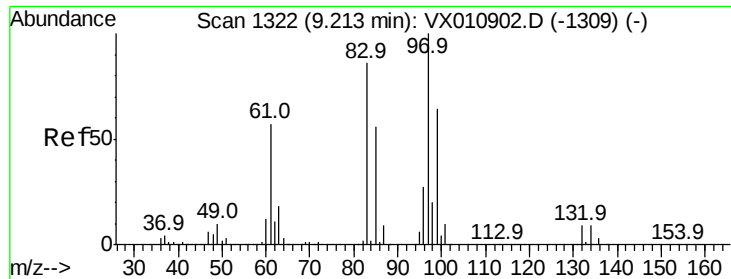
Ion Ratio Lower Upper

75 100

77 31.2 26.1 39.1

39 48.5 36.6 54.8





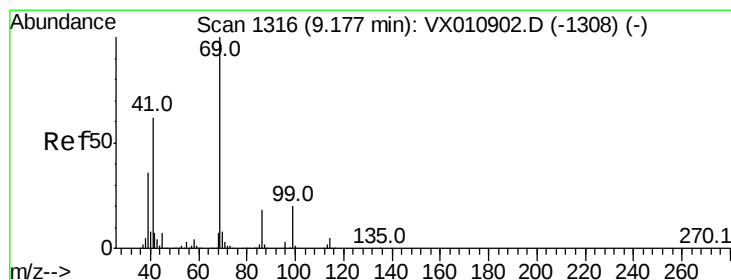
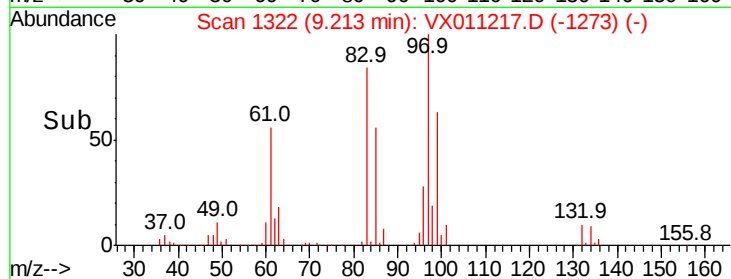
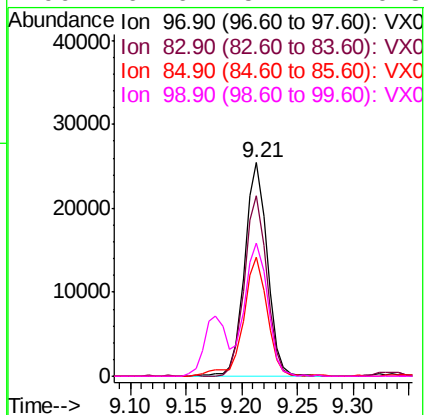
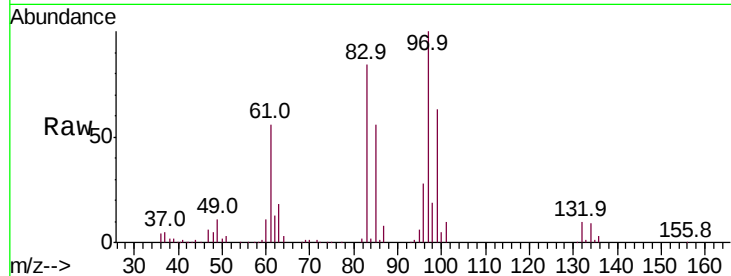
#55
1,1,2-Trichloroethane
Concen: 18.930 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX011217.D
Acq: 31 Jul 2019 00:41

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBS02

Tot Ion	97	Resp	36170
Ion	Ratio	Lower	Upper
97	100		
83	84.3	69.2	103.8
85	55.5	44.6	66.8
99	62.6	51.2	76.8

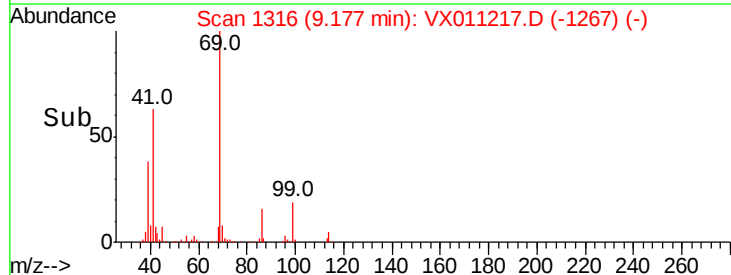
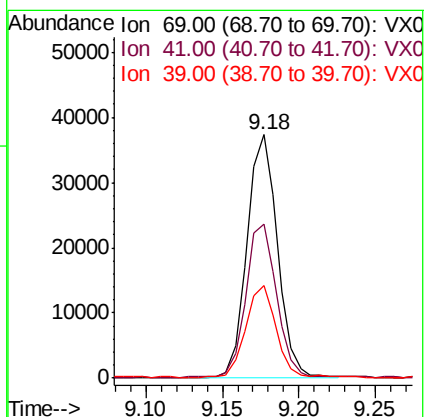
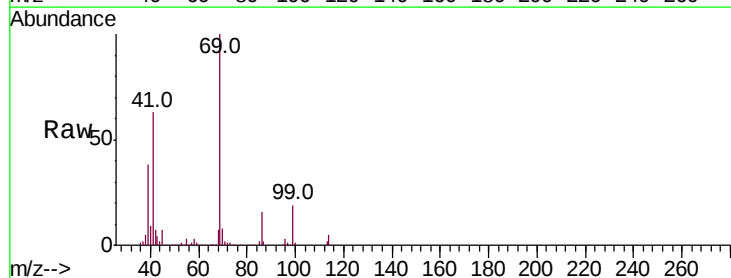
Manual Integrations
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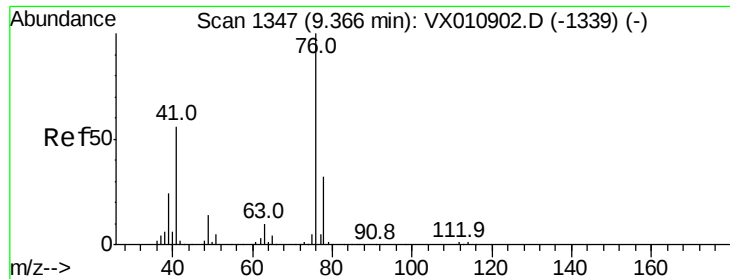
MMDadoda
7/31/2019 10:55:56 AM



#56
Ethyl methacrylate
Concen: 18.539 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VX011217.D
Acq: 31 Jul 2019 00:41

Tgt Ion	69	Resp	51816
Ion	Ratio	Lower	Upper
69	100		
41	63.8	49.7	74.5
39	38.1	29.6	44.4





#57

1,3-Dichloropropane

Concen: 18.757 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBS02

Tot Ion: 76 Resp: 56855

Ion Ratio Lower Upper

76 100

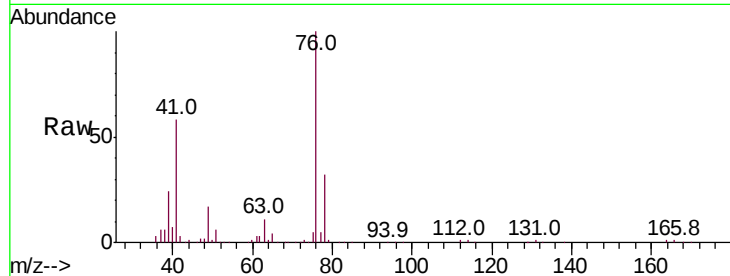
78 32.0 25.6 38.4

Manual Integrations

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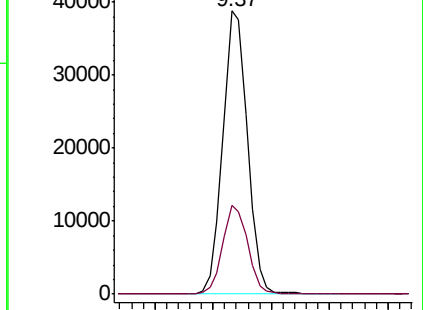
MMDadoda

7/31/2019 10:55:56 AM

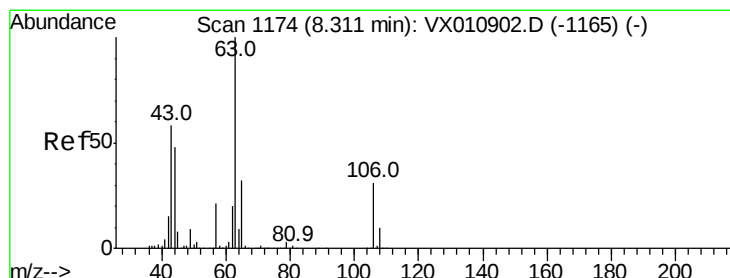
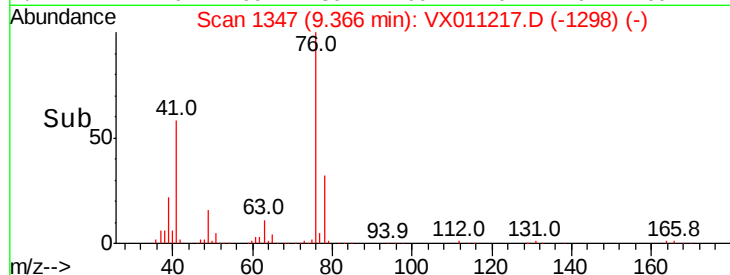


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 96.443 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX011217.D

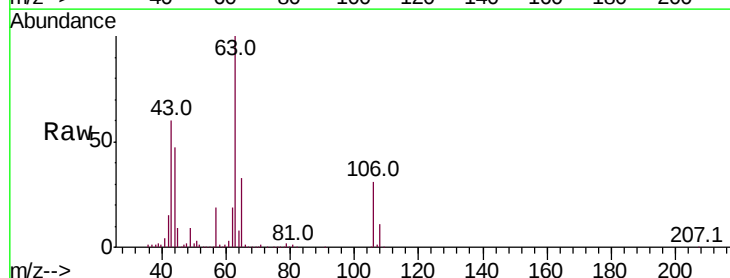
Acq: 31 Jul 2019 00:41

Tgt Ion: 63 Resp: 128673

Ion Ratio Lower Upper

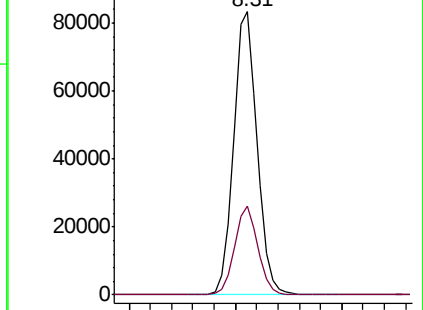
63 100

106 31.1 24.0 36.0

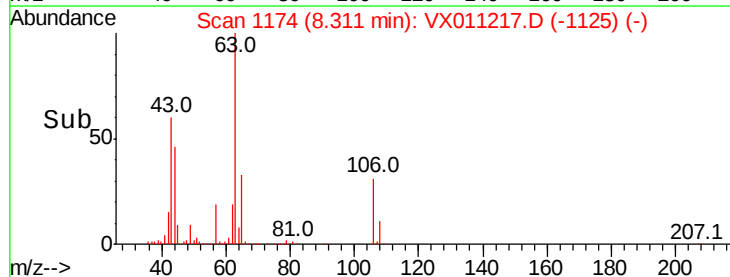


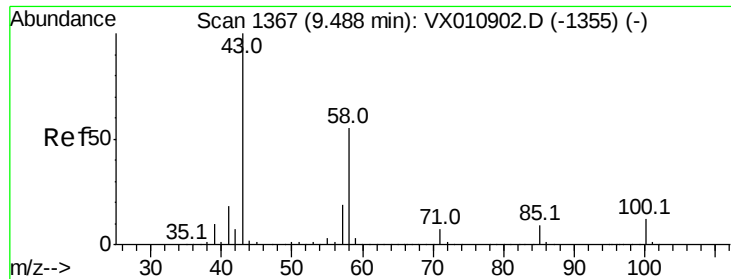
Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V



Time-->





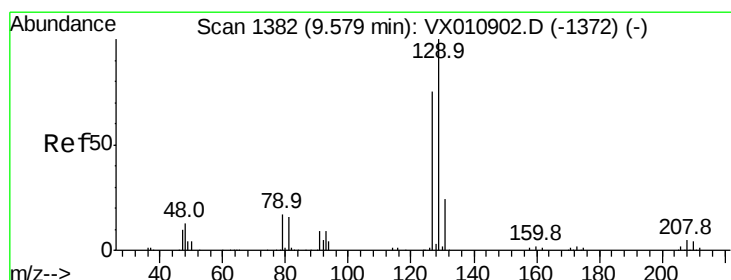
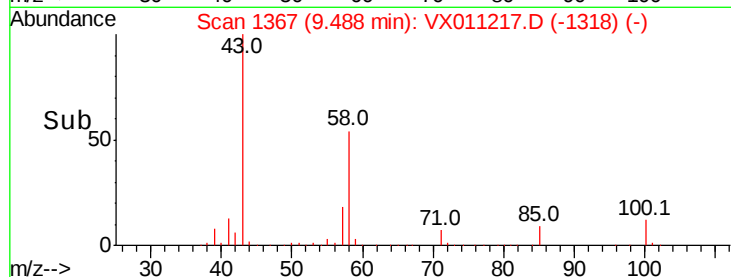
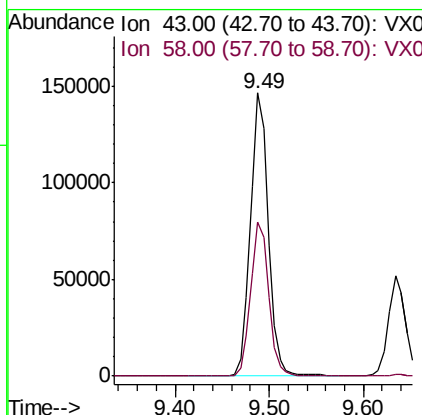
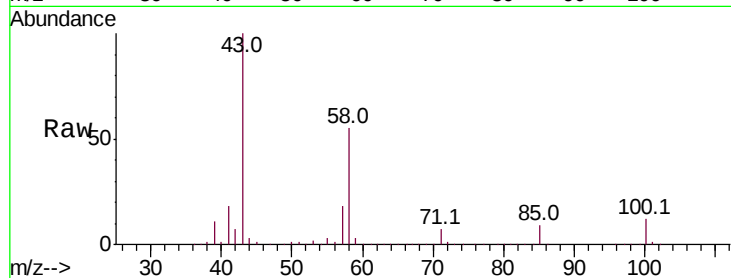
#59
2-Hexanone
Concen: 100.343 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX011217.D
Acq: 31 Jul 2019 00:41

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBS02

Tot Ion: 43 Resp: 195888
Ion Ratio Lower Upper
43 100
58 55.4 28.0 83.9

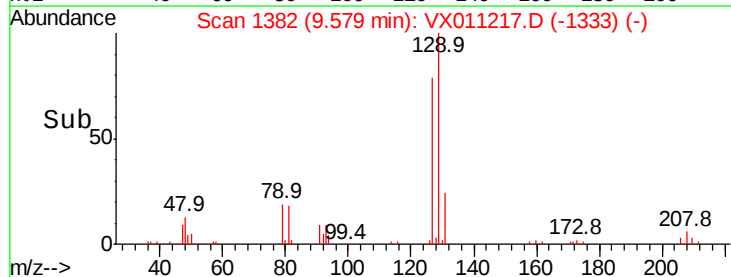
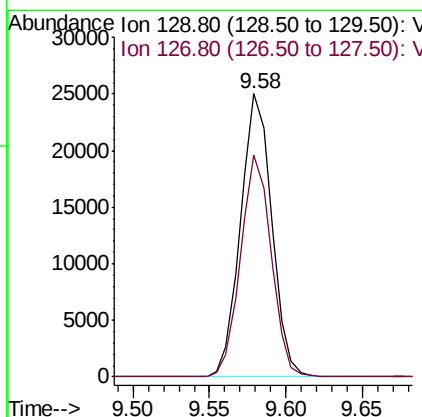
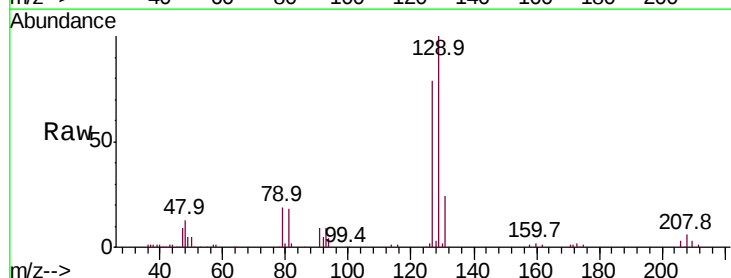
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7/31/2019 10:55:56 AM



#60
Dibromochloromethane
Concen: 17.834 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011217.D
Acq: 31 Jul 2019 00:41

Tgt Ion:129 Resp: 35450
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.8





#61

1,2-Dibromoethane

Concen: 18.313 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBS02

Tot Ion:107 Resp: 37135

Ion Ratio Lower Upper

107 100

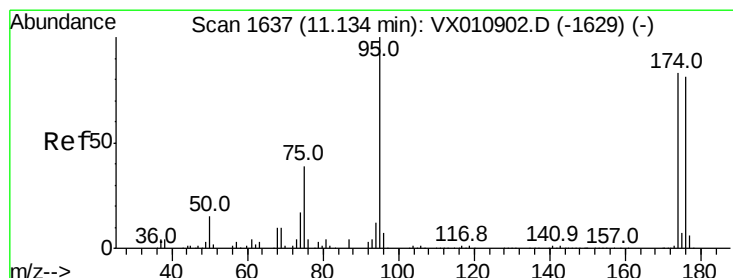
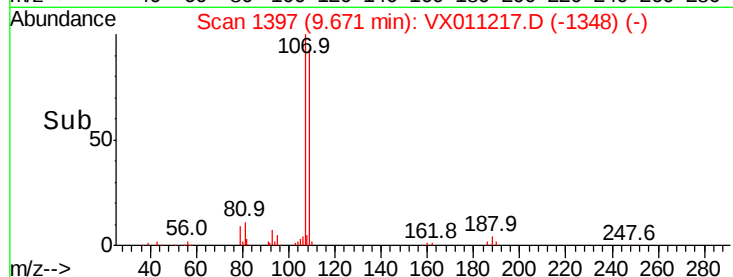
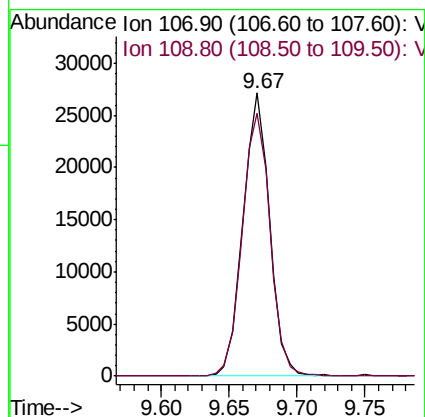
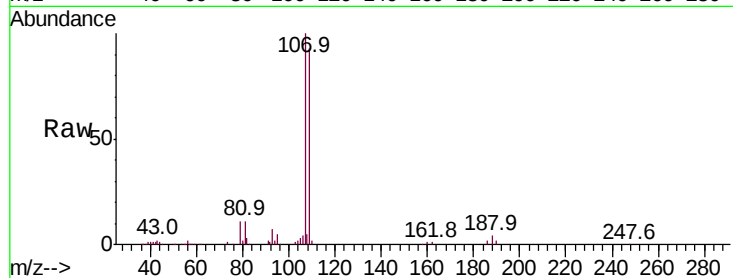
109 97.1 75.4 113.0

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 46.801 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

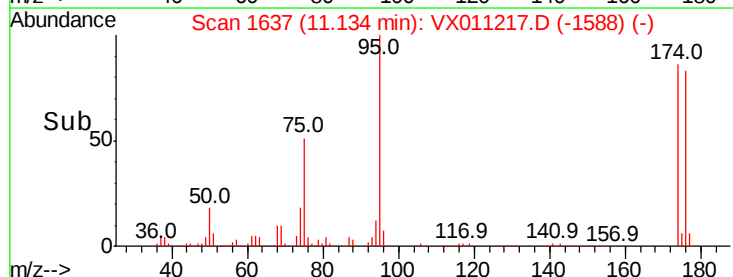
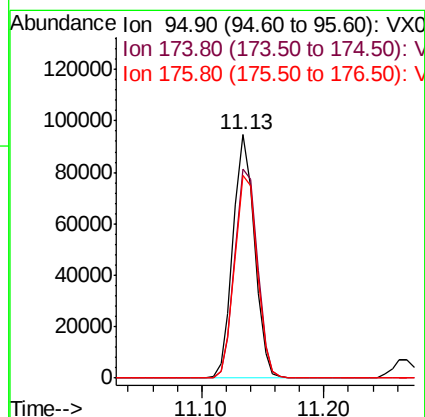
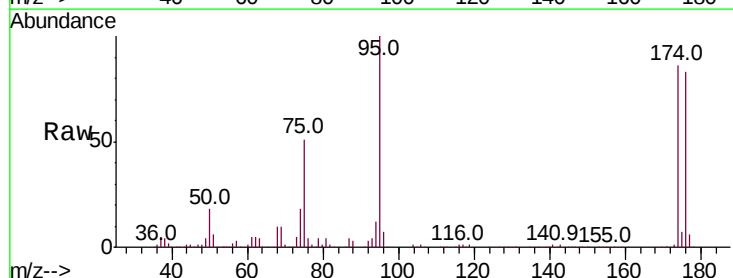
Tgt Ion: 95 Resp: 114972

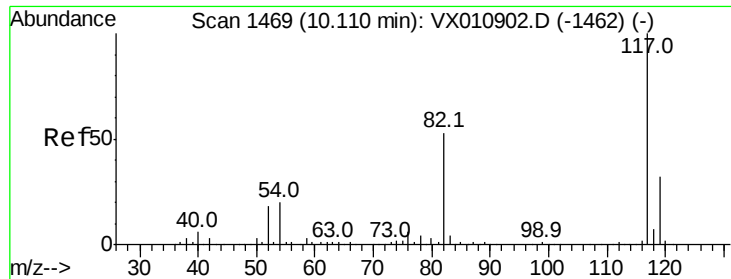
Ion Ratio Lower Upper

95 100

174 90.7 0.0 180.6

176 87.5 0.0 173.8





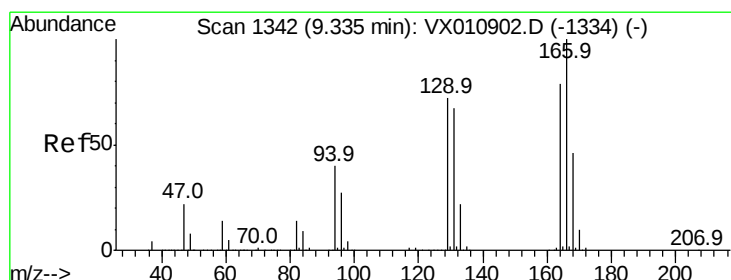
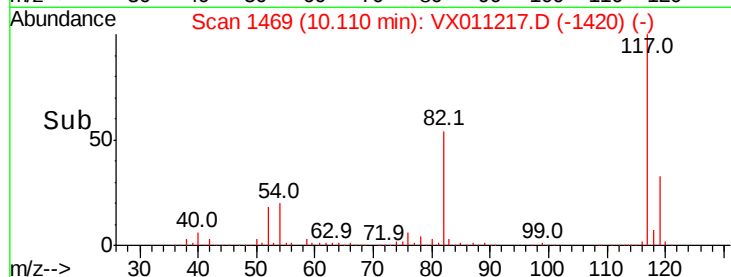
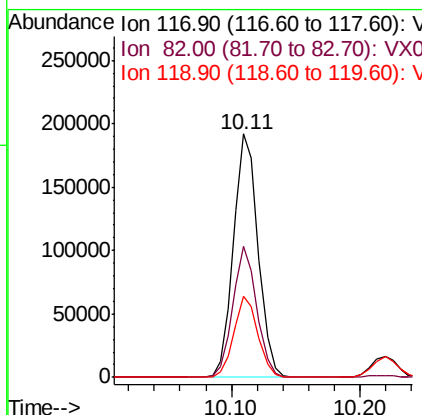
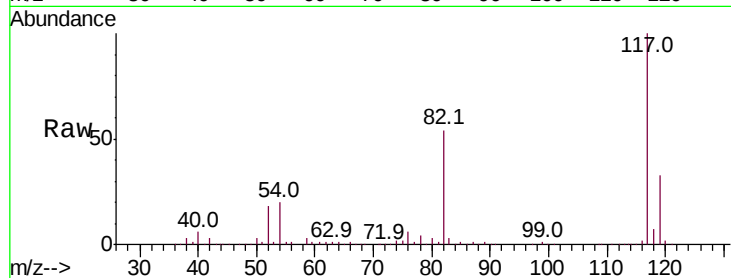
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011217.D
Acq: 31 Jul 2019 00:41

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.6	63.8
119	33.1	25.9	38.9

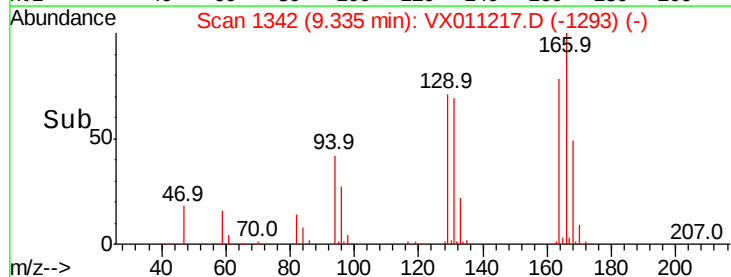
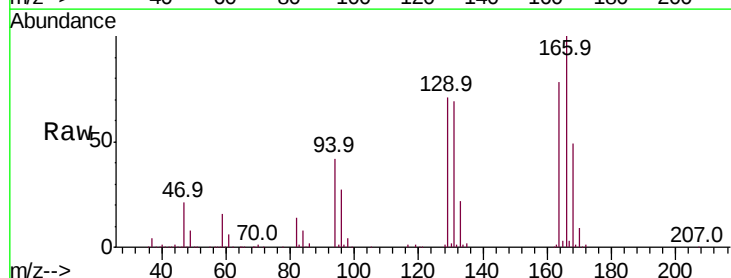
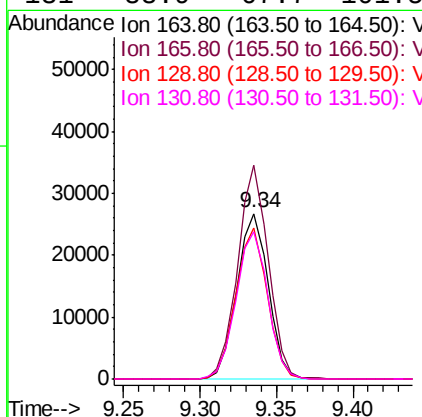
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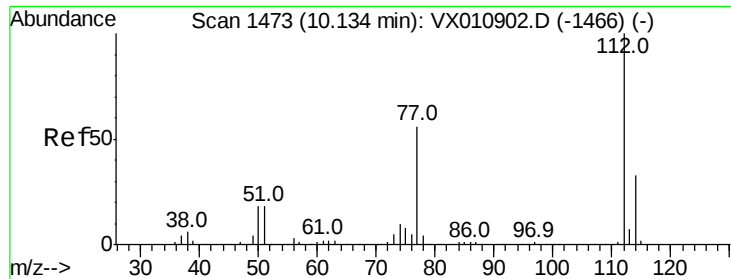
MMDadoda
7/31/2019 10:55:56 AM



#64
Tetrachloroethene
Concen: 18.932 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX011217.D
Acq: 31 Jul 2019 00:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	100.8	151.2
129	91.2	72.6	109.0
131	88.9	67.7	101.5





#65

Chlorobenzene

Concen: 18.482 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBS02

Tot Ion:112 Resp: 97226

Ion Ratio Lower Upper

112 100

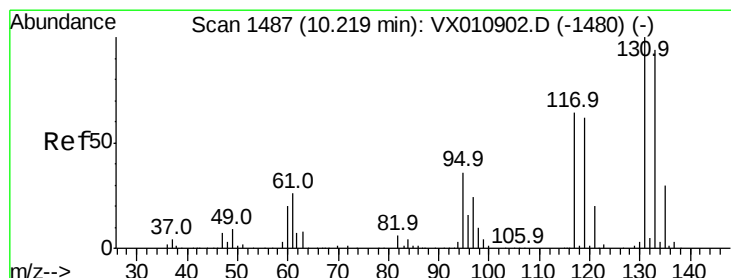
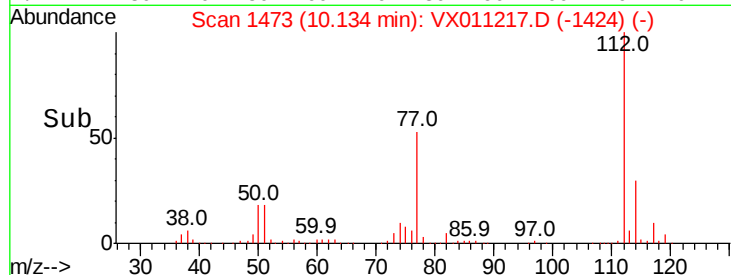
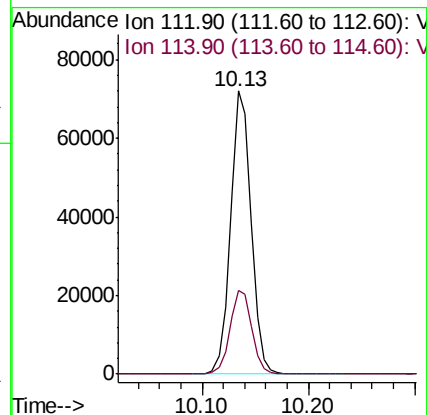
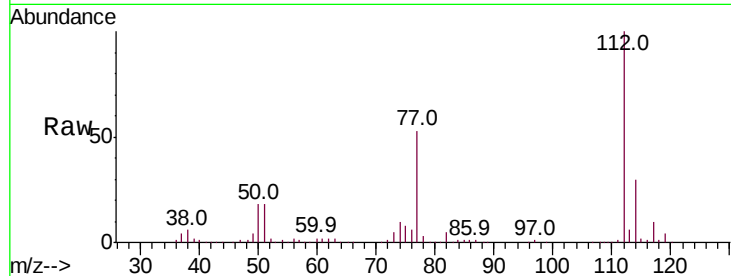
114 29.7 26.2 39.4

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#66

1,1,1,2-Tetrachloroethane

Concen: 18.897 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

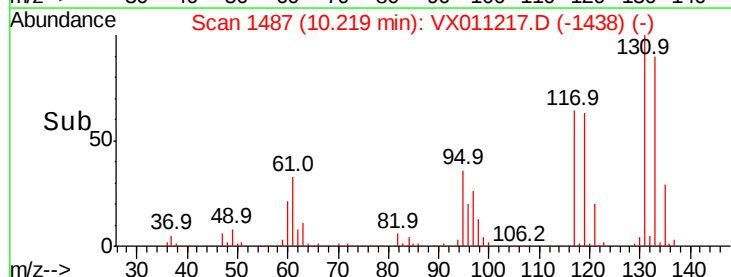
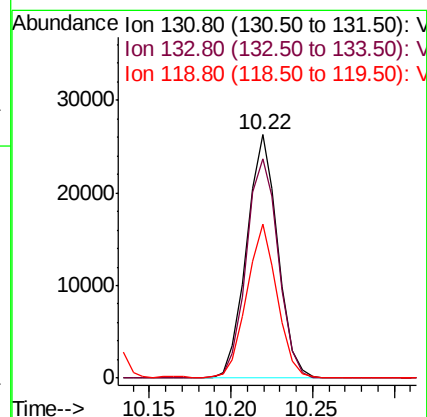
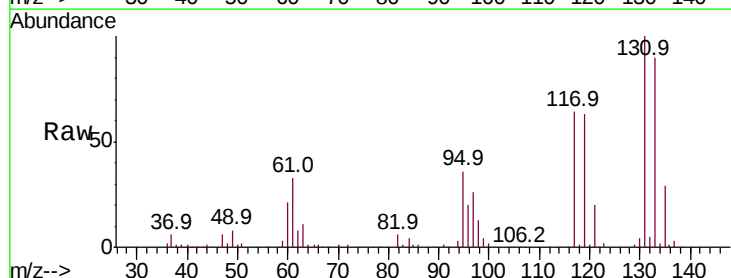
Tgt Ion:131 Resp: 34937

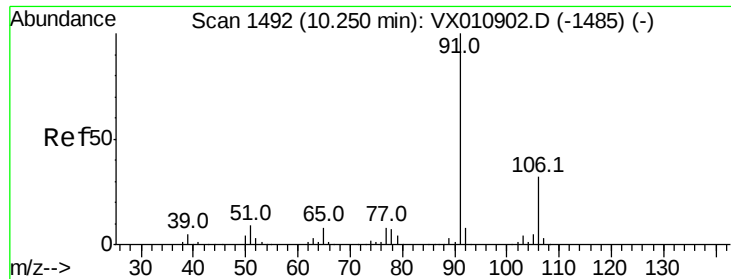
Ion Ratio Lower Upper

131 100

133 92.8 47.1 141.4

119 62.1 31.9 95.7





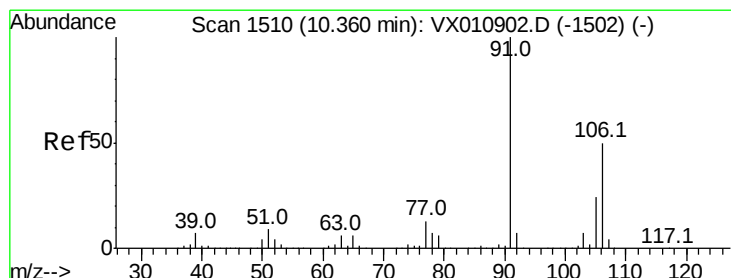
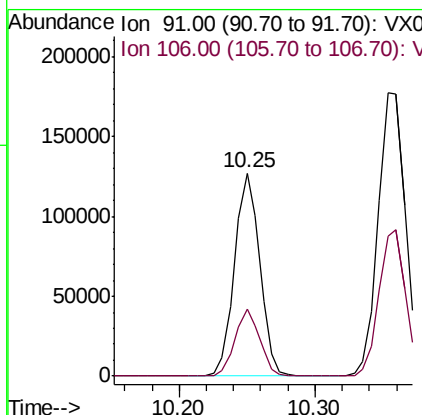
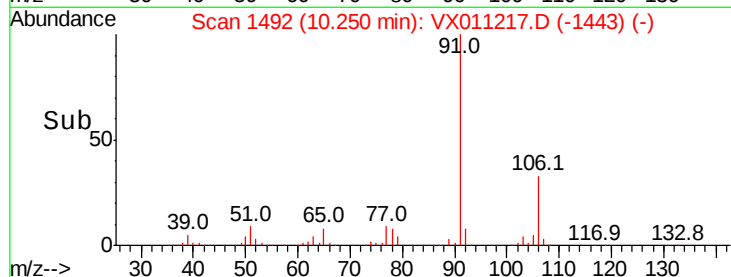
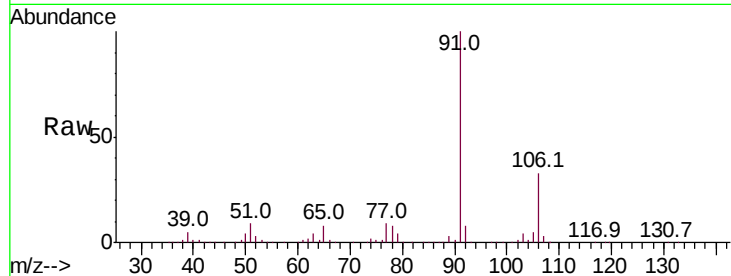
#67
Ethyl Benzene
Concen: 18.336 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX011217.D
Acq: 31 Jul 2019 00:41

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBS02

Tot Ion: 91 Resp: 164184
Ion Ratio Lower Upper
91 100
106 33.1 25.4 38.2

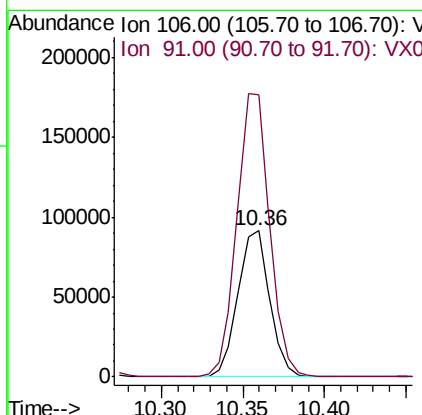
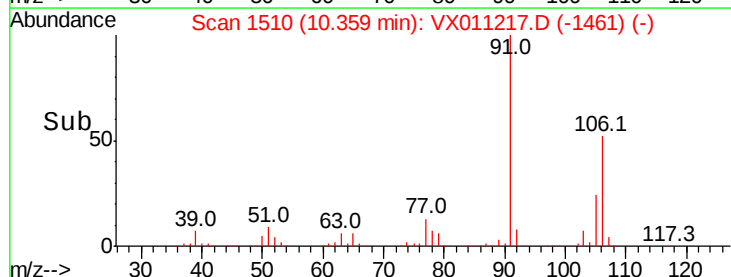
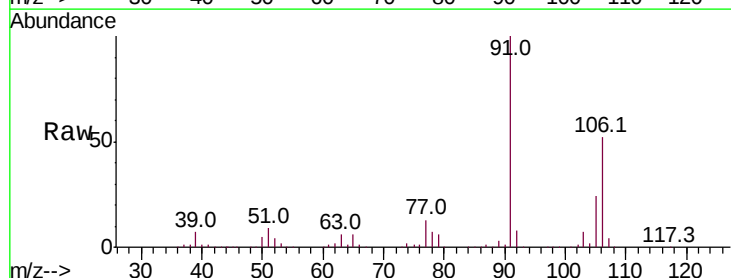
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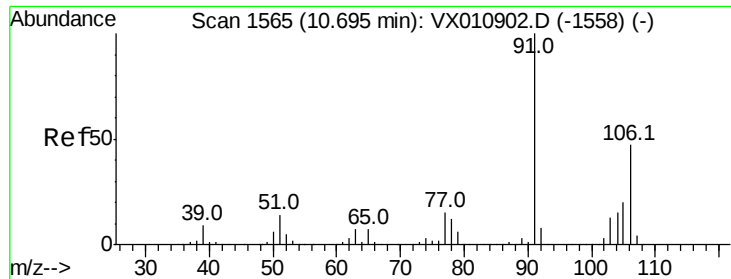
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#68
m/p-Xylenes
Concen: 36.521 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX011217.D
Acq: 31 Jul 2019 00:41

Tgt Ion: 106 Resp: 125439
Ion Ratio Lower Upper
106 100
91 198.0 160.1 240.1





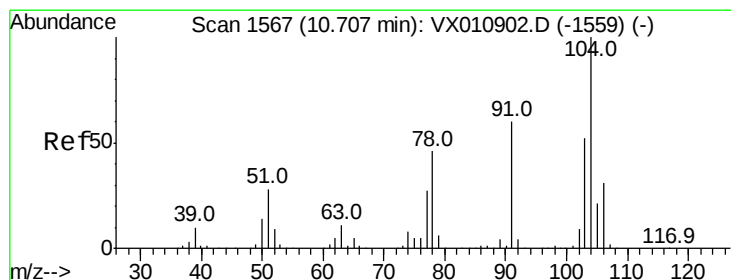
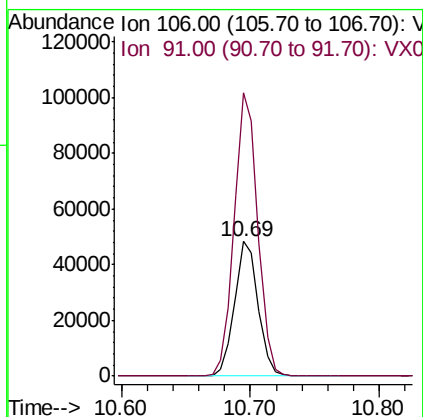
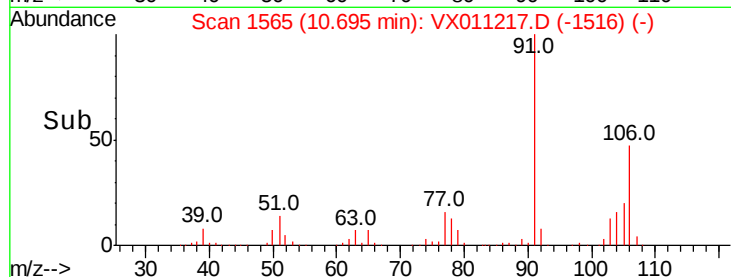
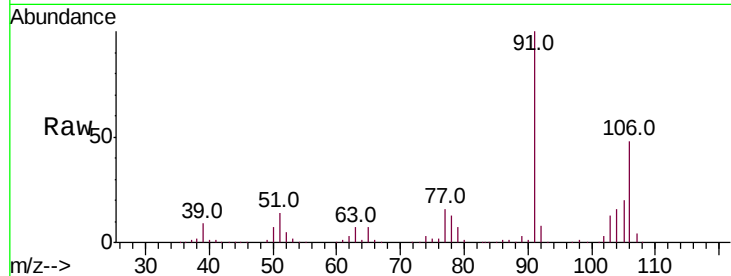
#69
o-Xylene
Concen: 18.460 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011217.D
Acq: 31 Jul 2019 00:41

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBS02

Tot Ion:106 Resp: 61878
Ion Ratio Lower Upper
106 100
91 210.4 105.1 315.3

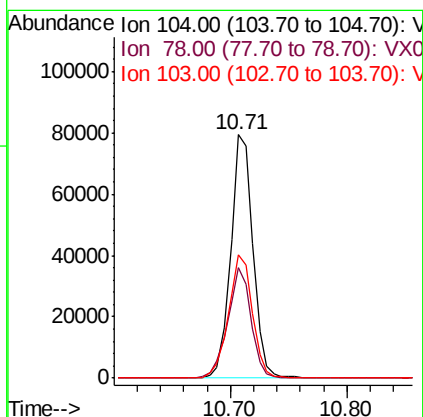
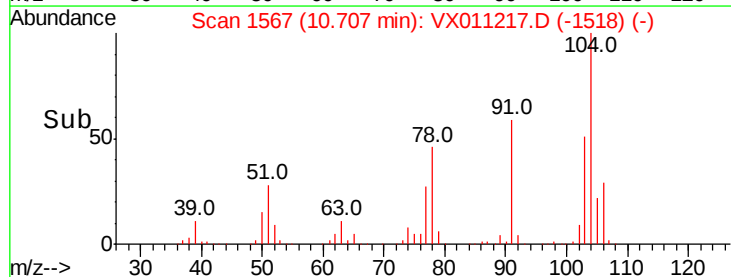
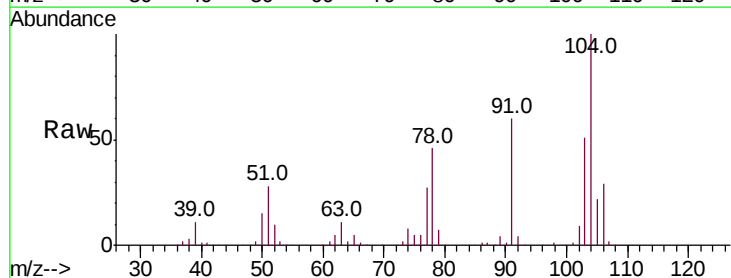
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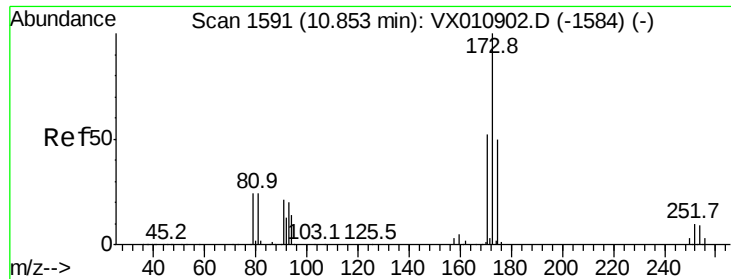
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#70
Styrene
Concen: 18.808 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX011217.D
Acq: 31 Jul 2019 00:41

Tgt Ion:104 Resp: 105099
Ion Ratio Lower Upper
104 100
78 47.8 38.8 58.2
103 54.7 44.2 66.4





#71

Bromoform

Concen: 16.527 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBS02

Tot Ion:173 Resp: 24794

Ion Ratio Lower Upper

173 100

175 50.4 24.6 73.6

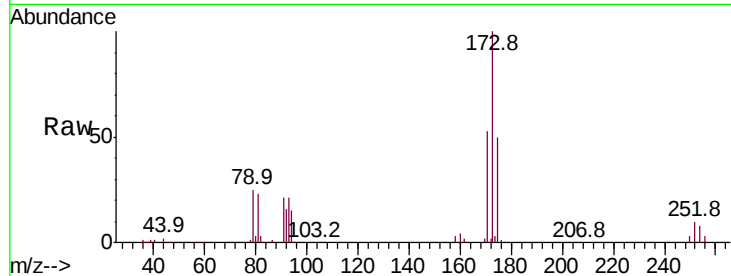
254 0.1 0.1 0.1

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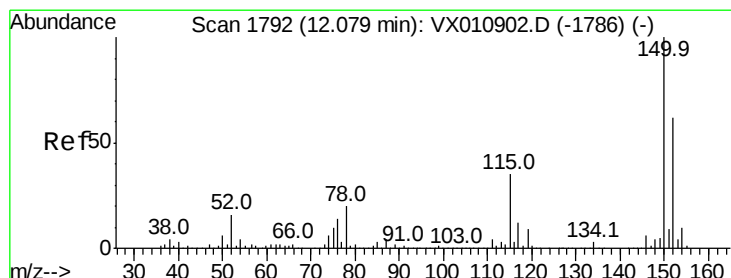
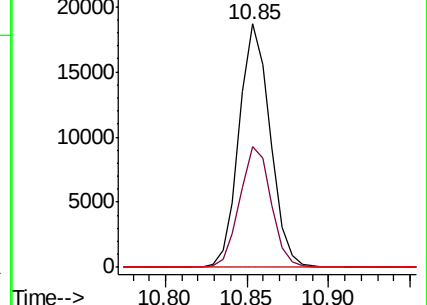
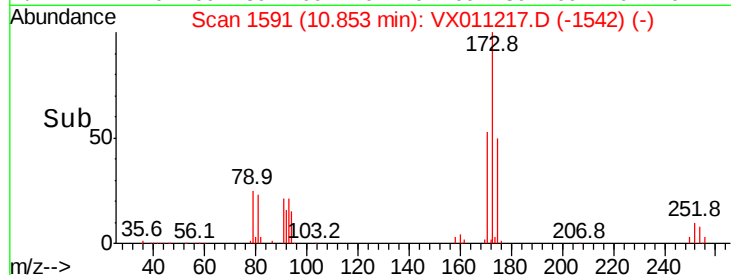
7/31/2019 10:55:56 AM



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: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

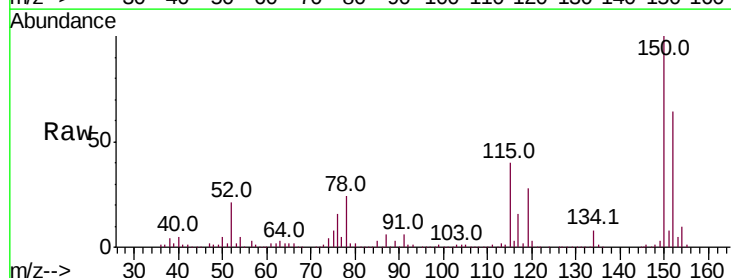
Tgt Ion:152 Resp: 135829

Ion Ratio Lower Upper

152 100

115 65.5 39.7 119.1

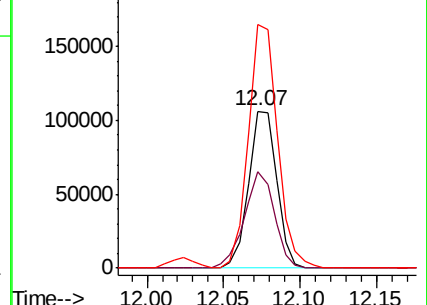
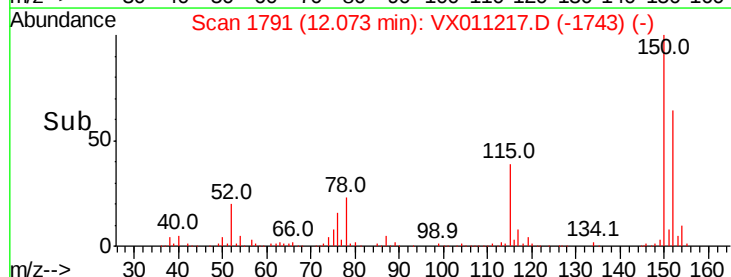
150 161.0 0.0 345.6

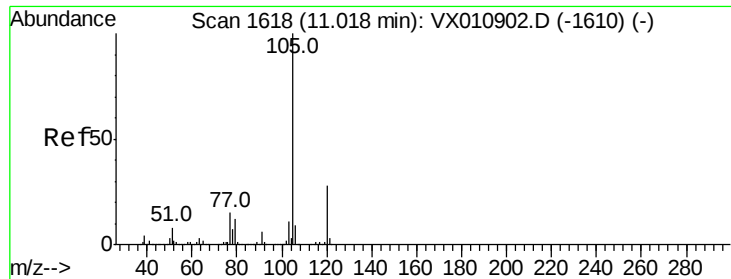


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.085 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBS02

Tot Ion:105 Resp: 165984

Ion Ratio Lower Upper

105 100

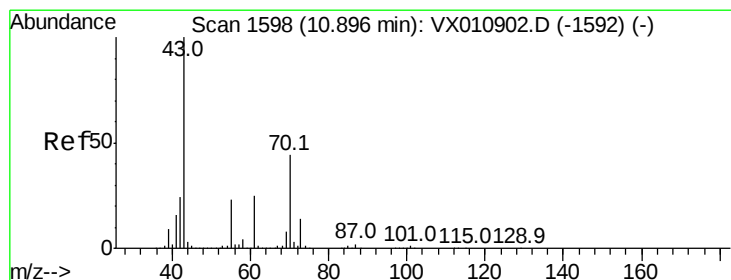
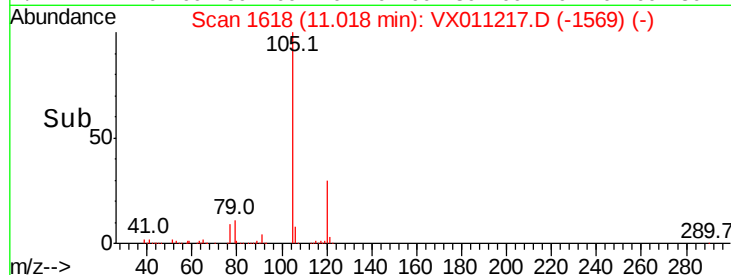
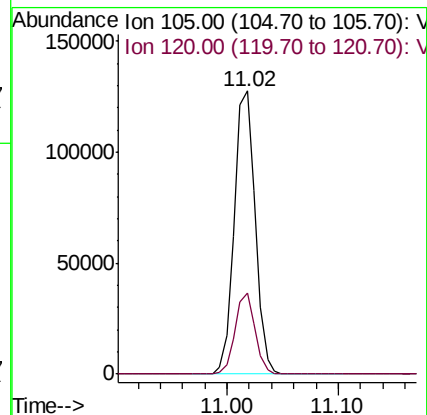
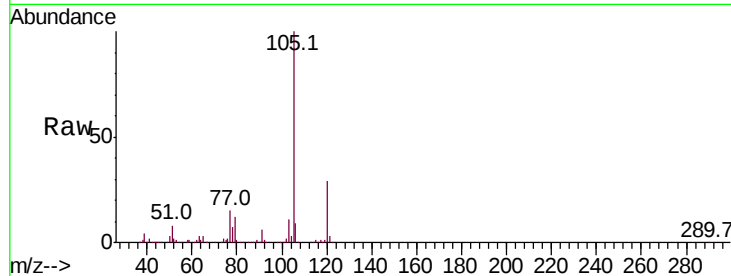
120 27.4 13.7 41.1

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#74

N-ethyl acetate

Concen: 18.020 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

Tgt Ion: 43 Resp: 63192

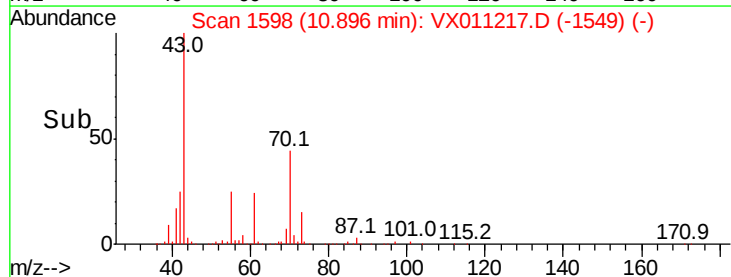
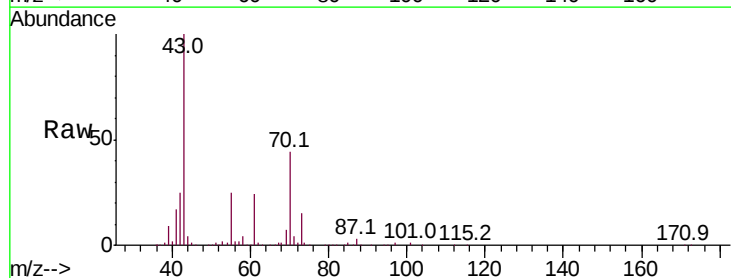
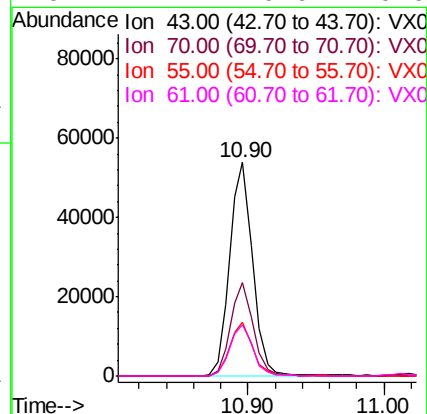
Ion Ratio Lower Upper

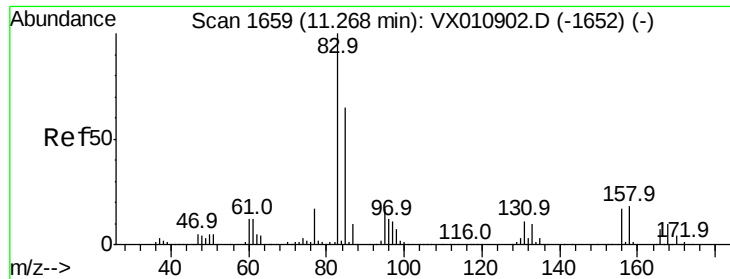
43 100

70 43.2 34.7 52.1

55 25.2 19.1 28.7

61 24.1 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 18.963 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBS02

Tot Ion: 83 Resp: 56955

Ion Ratio Lower Upper

83 100

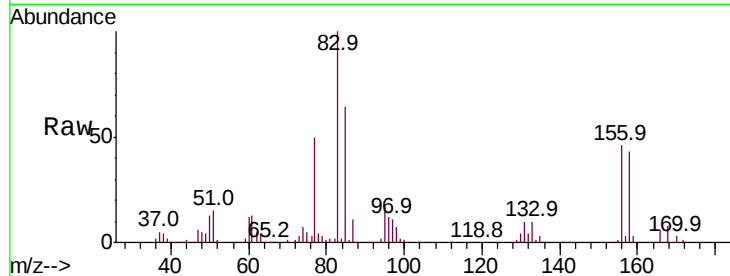
131 11.2 5.5 16.4

85 64.1 32.3 96.9

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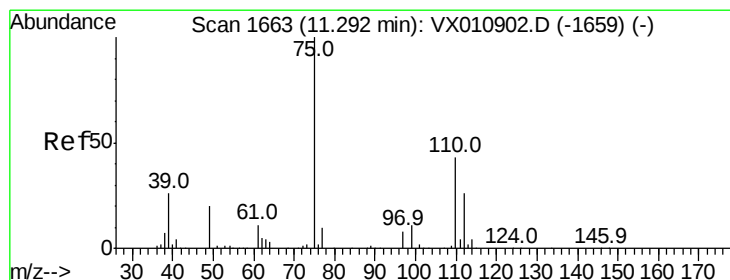
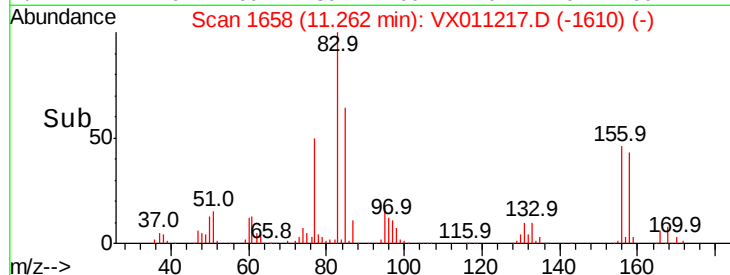
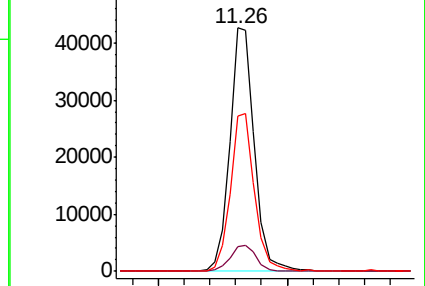
7/31/2019 10:55:56 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 19.133 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX011217.D

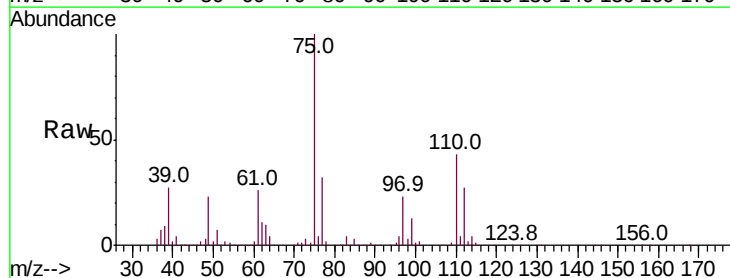
Acq: 31 Jul 2019 00:41

Tgt Ion: 75 Resp: 46897

Ion Ratio Lower Upper

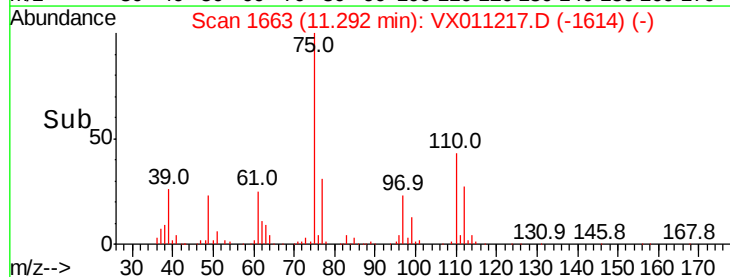
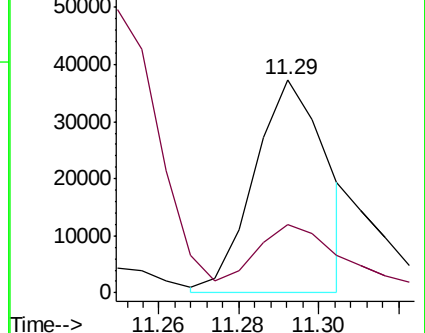
75 100

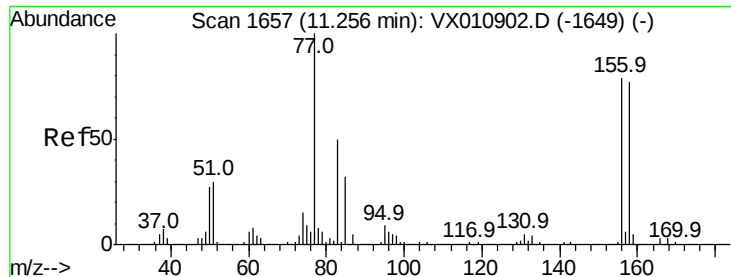
77 40.1 21.3 64.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 17.824 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBS02

Tot Ion:156 Resp: 45122

Ion Ratio Lower Upper

156 100

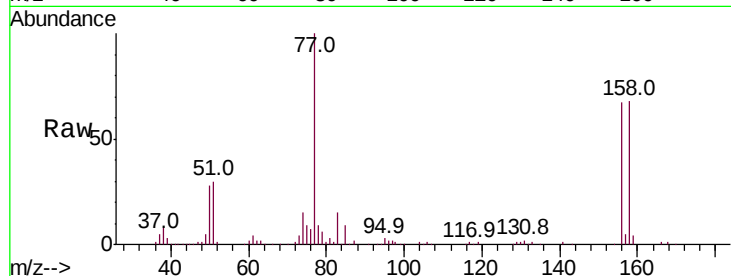
77 140.3 68.7 206.1

158 99.1 47.9 143.7

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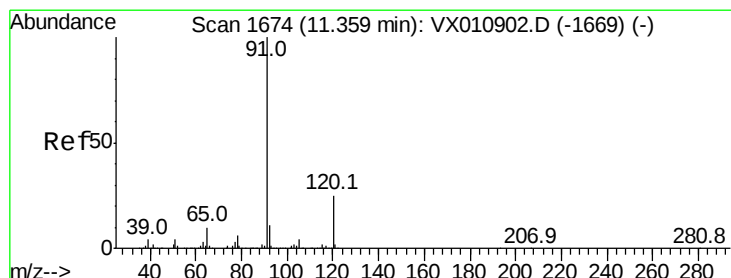
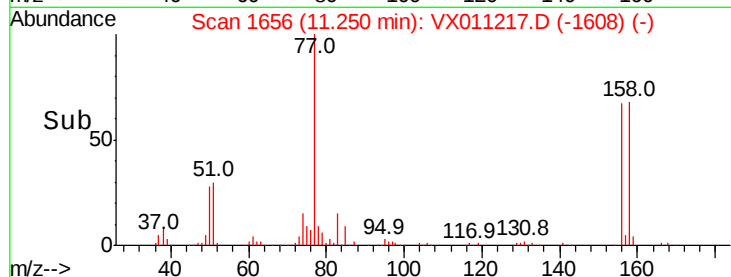
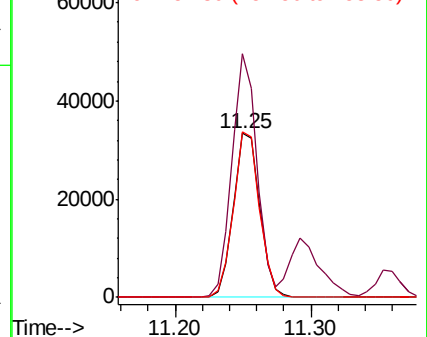
7/31/2019 10:55:56 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.047 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX011217.D

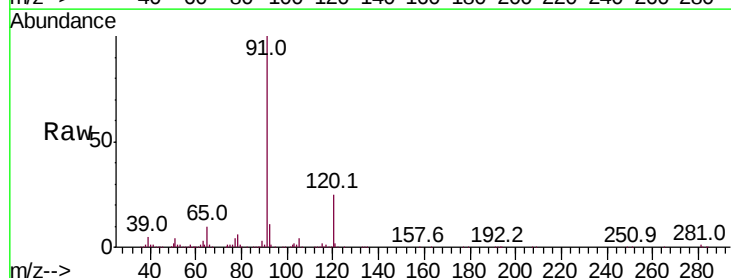
Acq: 31 Jul 2019 00:41

Tgt Ion: 91 Resp: 183008

Ion Ratio Lower Upper

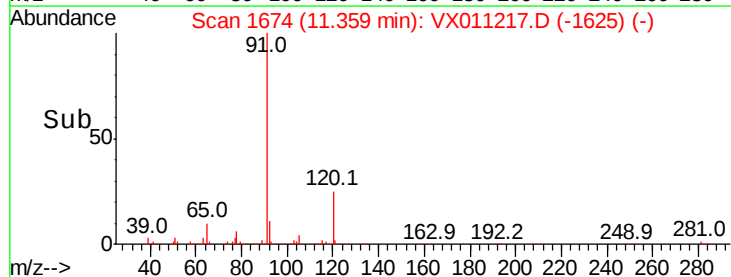
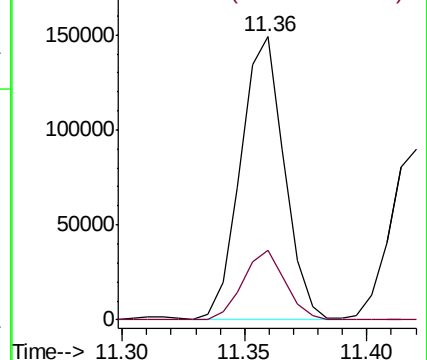
91 100

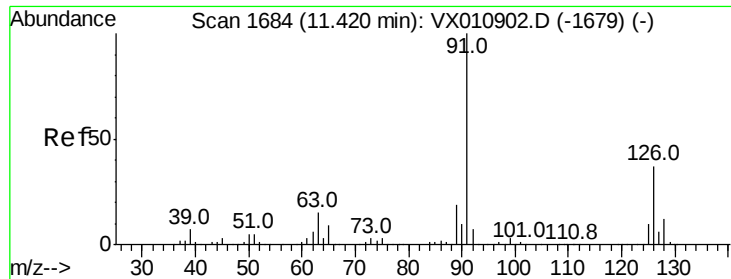
120 24.2 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.202 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBS02

Tot Ion: 91 Resp: 110886

Ion Ratio Lower Upper

91 100

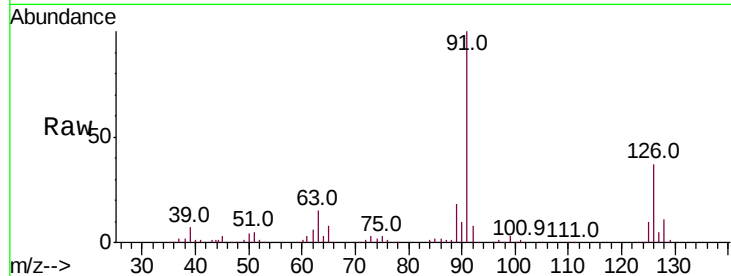
126 36.8 18.0 54.0

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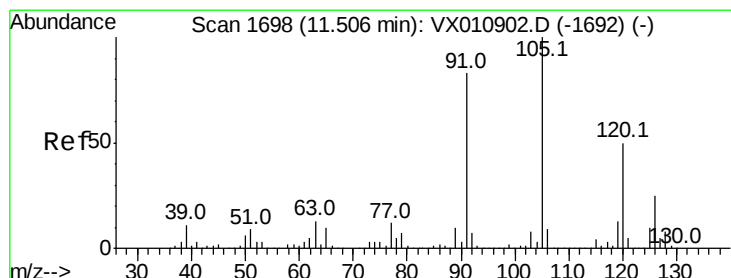
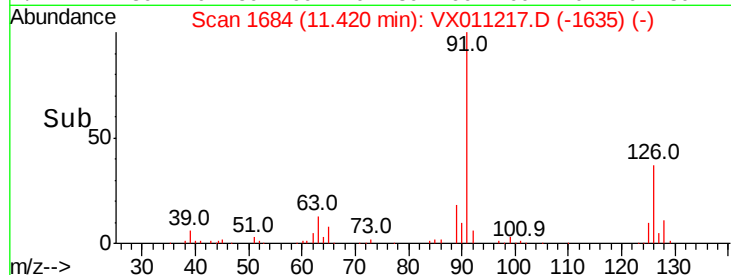
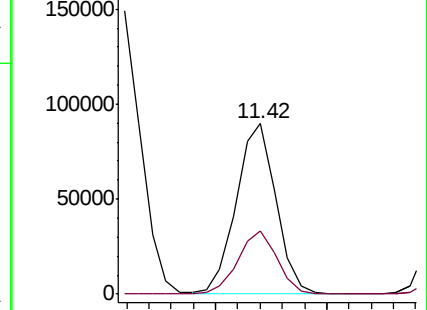
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 18.354 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011217.D

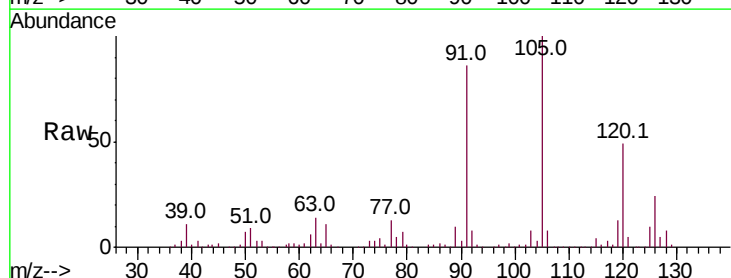
Acq: 31 Jul 2019 00:41

Tgt Ion:105 Resp: 140759

Ion Ratio Lower Upper

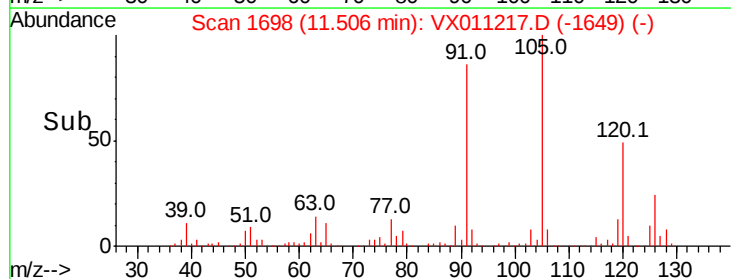
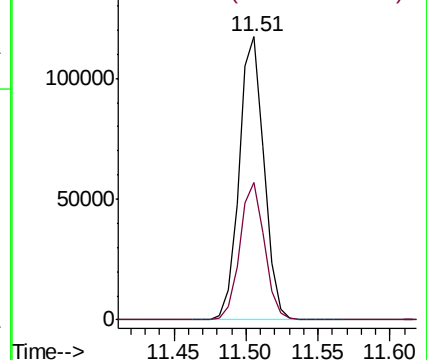
105 100

120 48.2 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: 15.306 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBS02

Tot Ion: 75 Resp: 11905

Ion Ratio Lower Upper

75 100

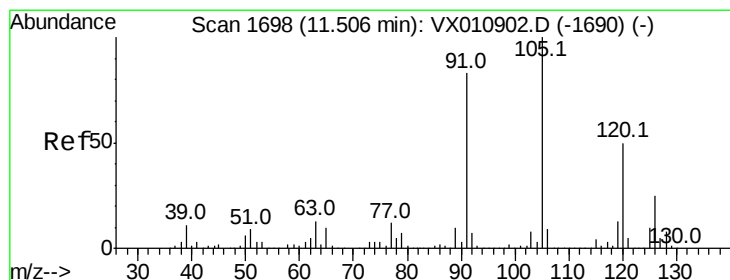
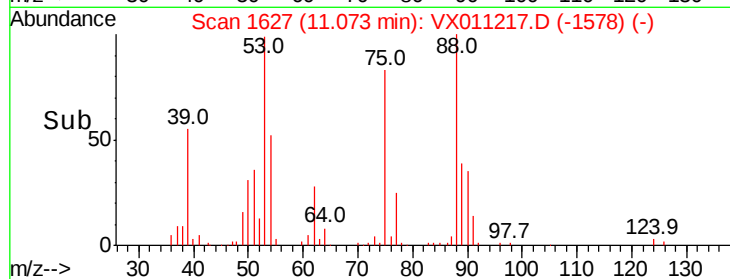
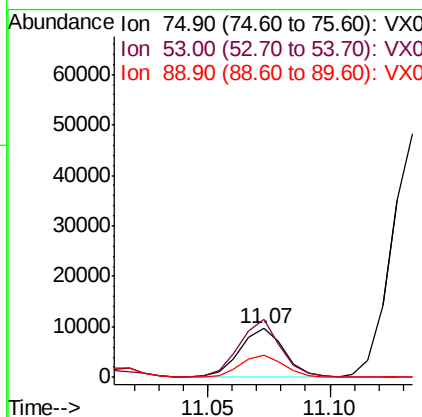
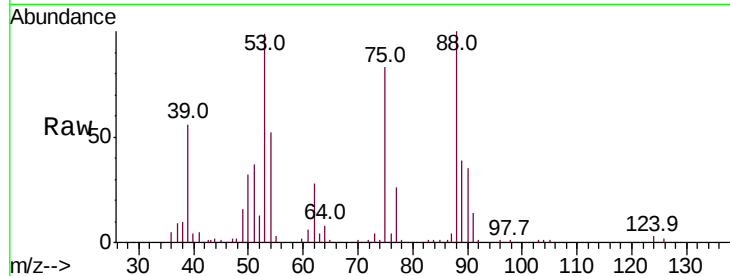
53 115.7 76.7 115.1#

89 46.9 38.5 57.7

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#82

4-Chlorotoluene

Concen: 18.115 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011217.D

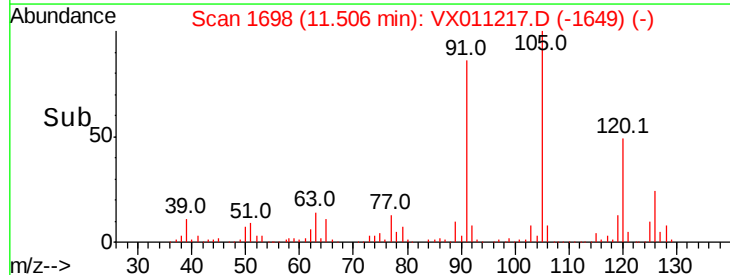
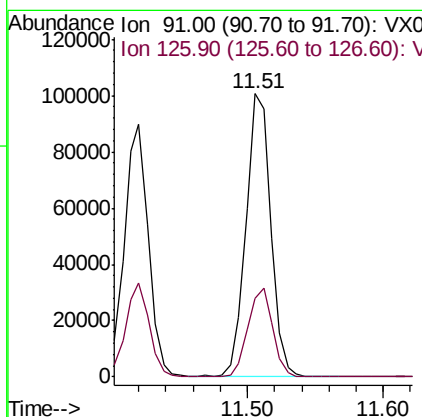
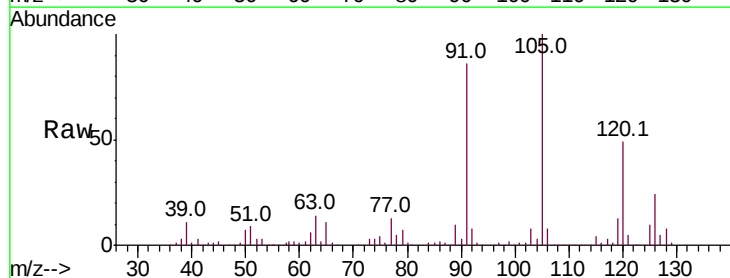
Acq: 31 Jul 2019 00:41

Tgt Ion: 91 Resp: 128441

Ion Ratio Lower Upper

91 100

126 31.4 15.9 47.7





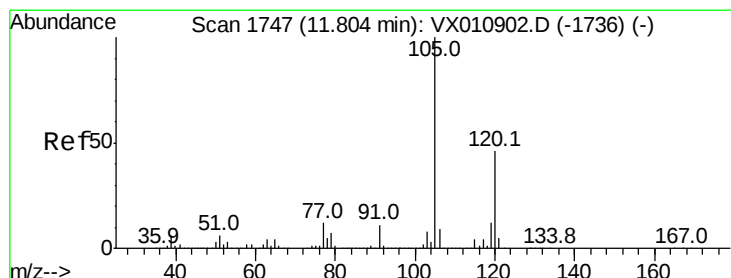
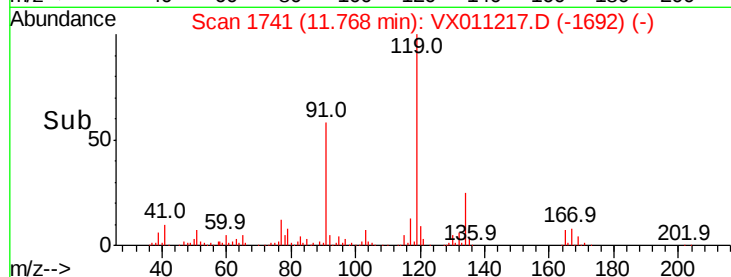
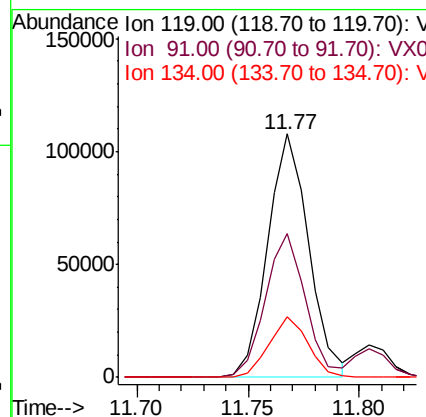
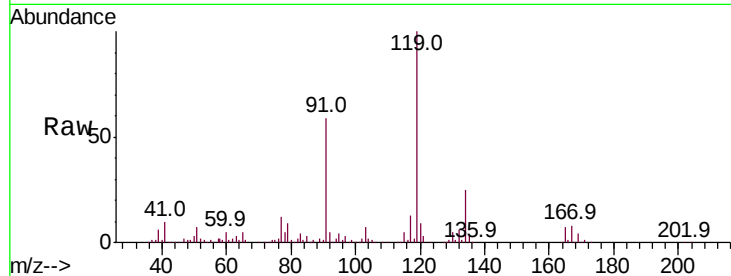
#83
 tert-Butylbenzene
 Concen: 18.322 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX011217.D
 Acq: 31 Jul 2019 00:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0730WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	138017		
91	57.8	28.6	85.8	
134	23.8	11.6	34.8	

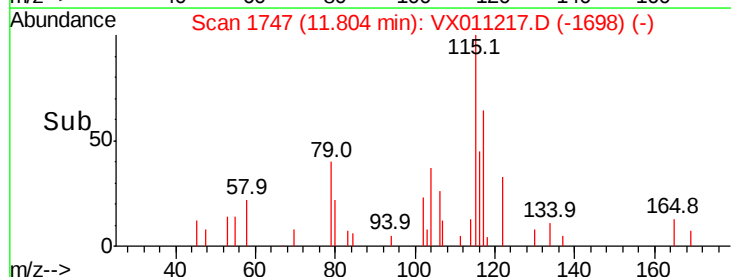
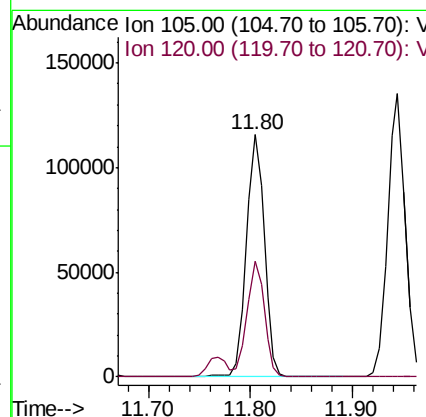
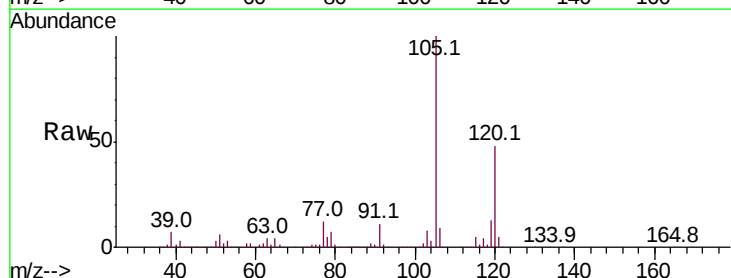
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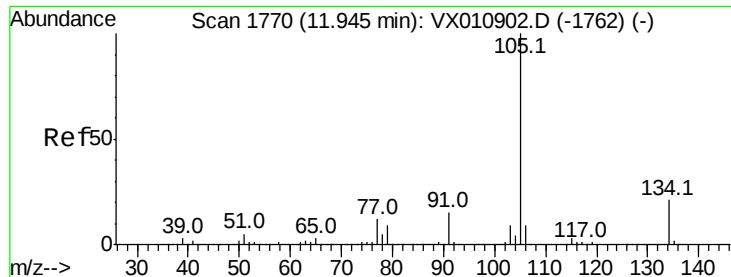
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.219 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX011217.D
 Acq: 31 Jul 2019 00:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	140830		
120	46.7	22.9	68.5	





#85

sec-Butylbenzene

Concen: 18.682 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBS02

Tot Ion:105 Resp: 164901

Ion Ratio Lower Upper

105 100

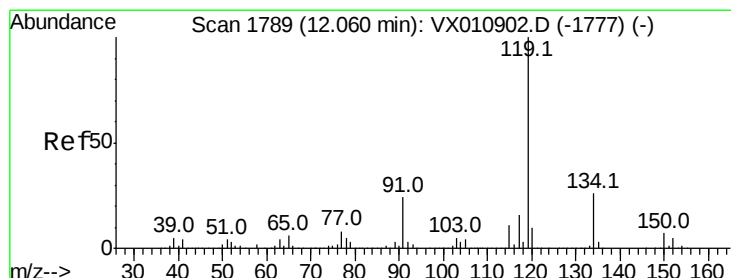
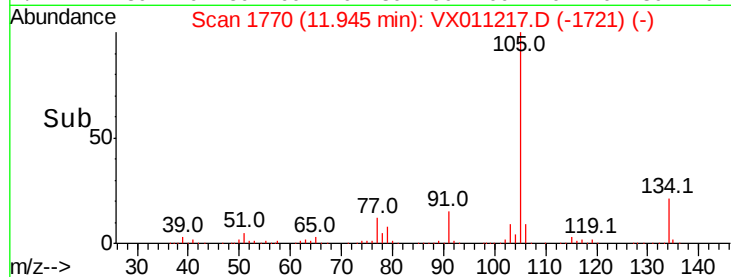
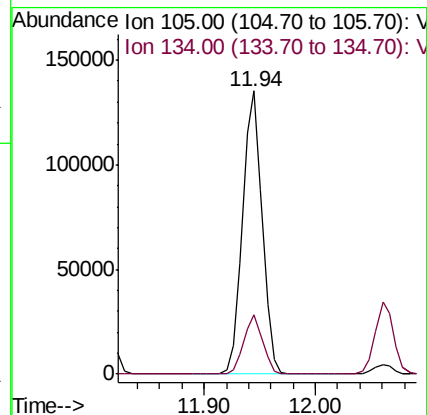
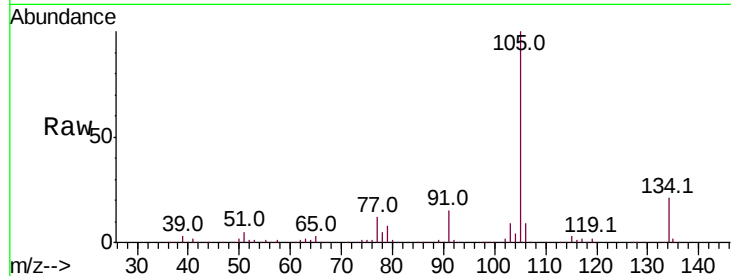
134 20.3 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 18.289 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

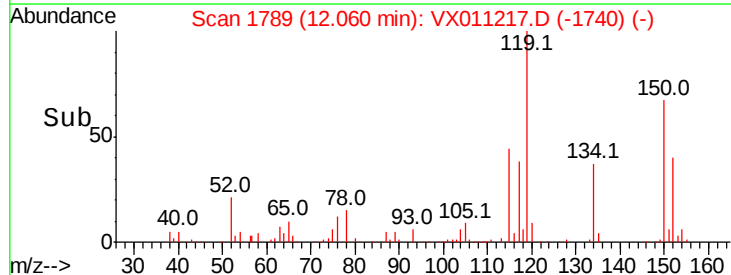
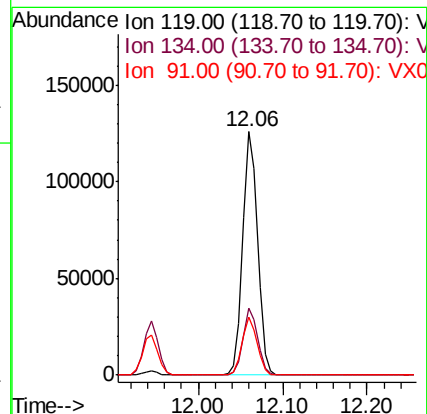
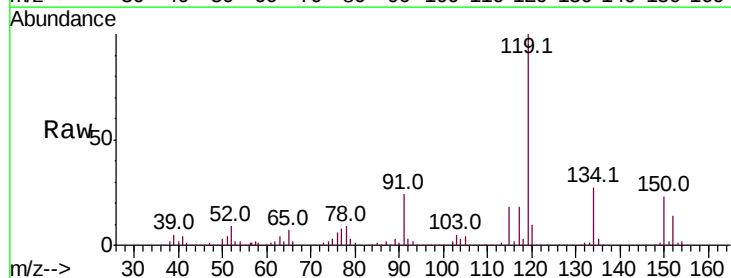
Tgt Ion:119 Resp: 149242

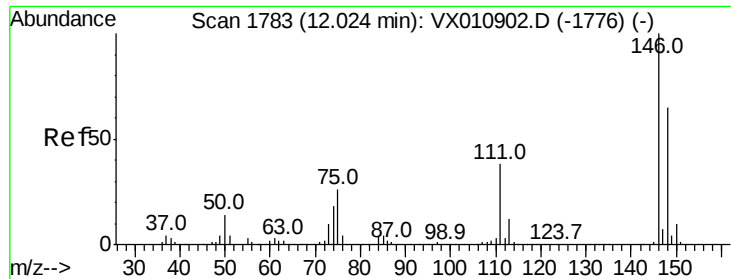
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 24.1 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 18.203 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

Instrument :

MSVOA_X

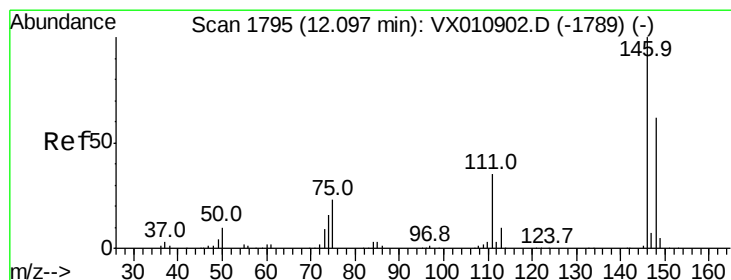
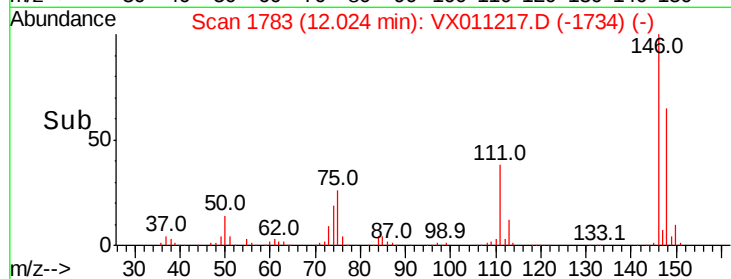
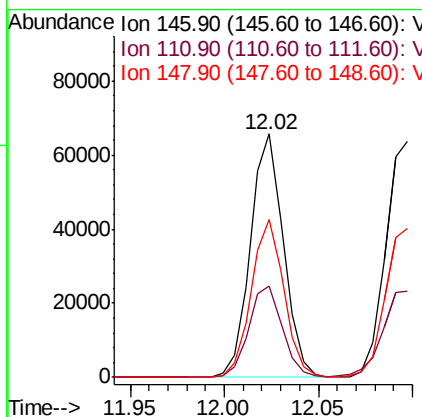
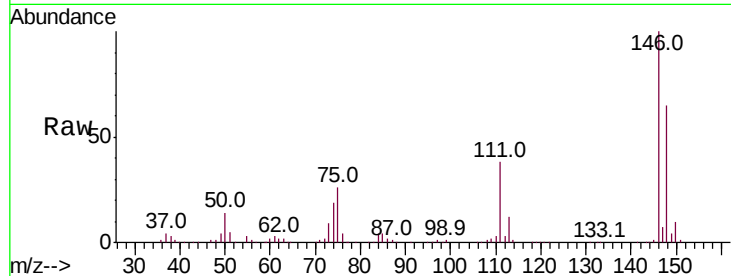
ClientSampleId :

VX0730WBS02

Tot Ion:	146	Resp:	79971
Ion Ratio	Lower	Upper	
146	100		
111	38.2	18.9	56.9
148	63.8	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 17.752 ug/l

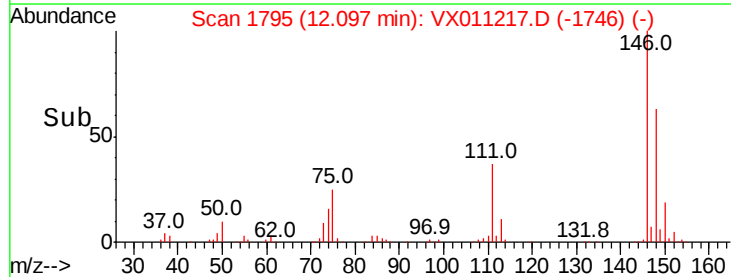
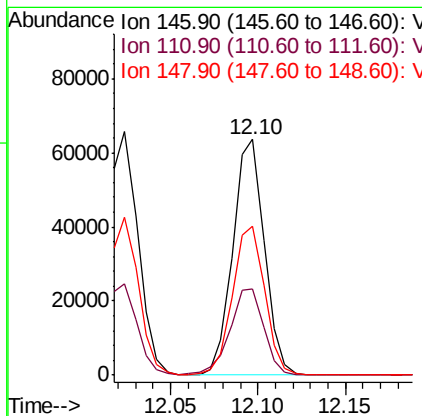
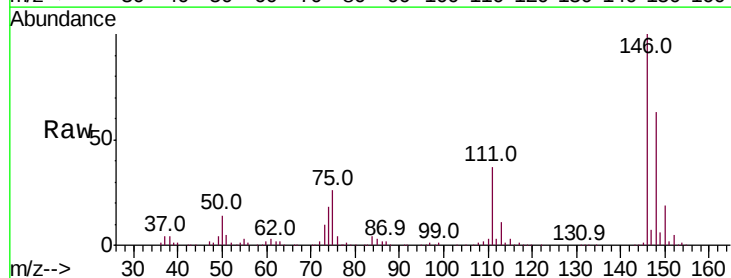
RT: 12.10 min Scan# 1795

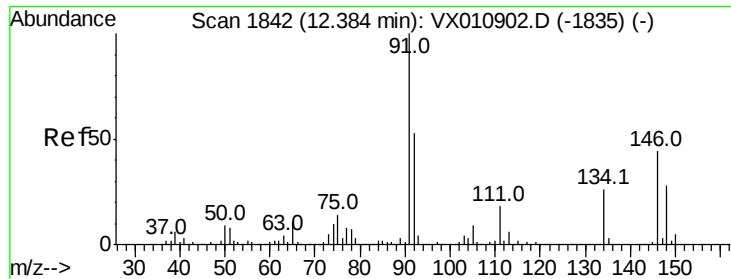
Delta R.T. -0.00 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

Tgt Ion:	146	Resp:	79988
Ion Ratio	Lower	Upper	
146	100		
111	39.5	18.6	55.8
148	64.7	31.6	94.7





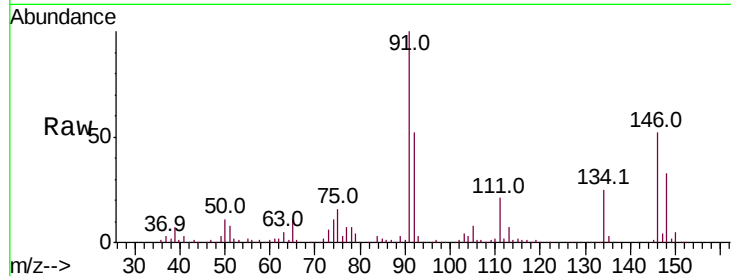
#89
n-Butylbenzene
Concen: 18.074 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX011217.D
Acq: 31 Jul 2019 00:41

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBS02

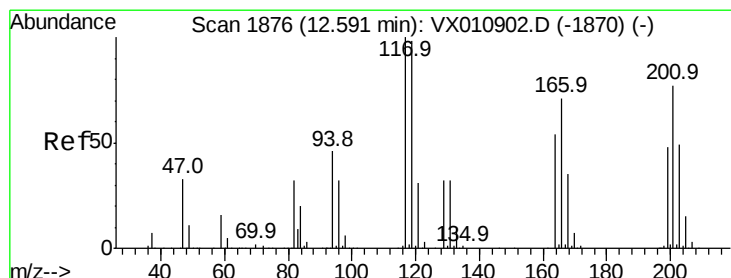
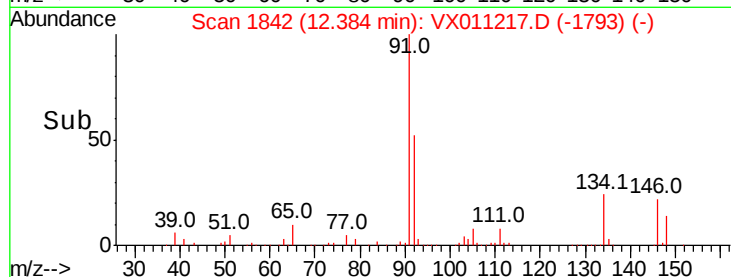
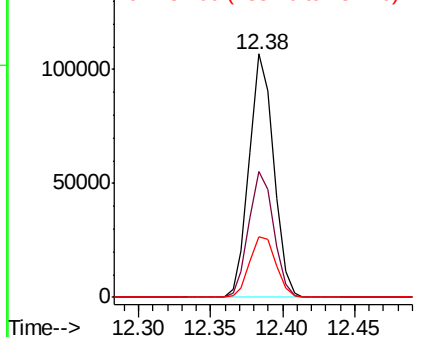
Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.6	26.2	78.5	
134	26.4	13.8	41.3	

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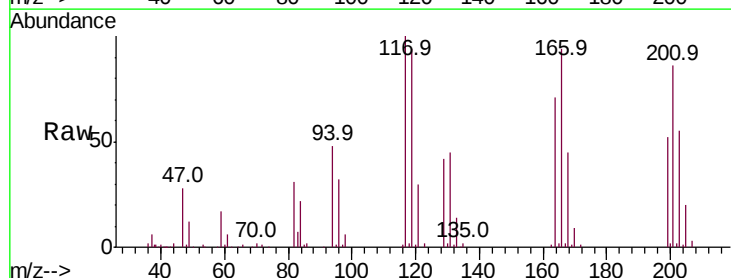


Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0
Ion 134.00 (133.70 to 134.70): V

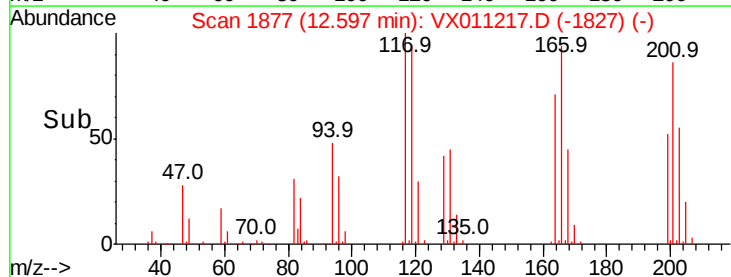
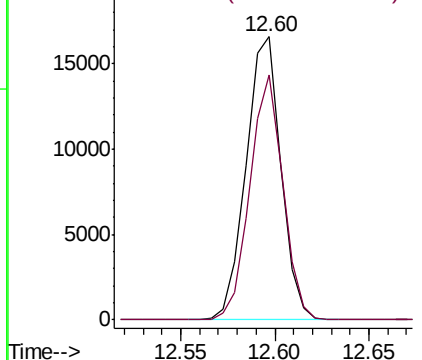


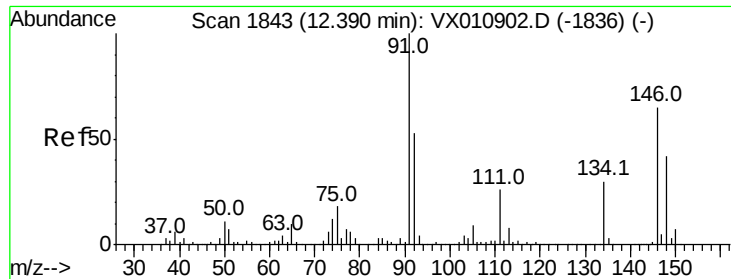
#90
Hexachloroethane
Concen: 16.547 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX011217.D
Acq: 31 Jul 2019 00:41

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	81.5	43.3	129.8	



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 19.087 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

Instrument :

MSVOA_X

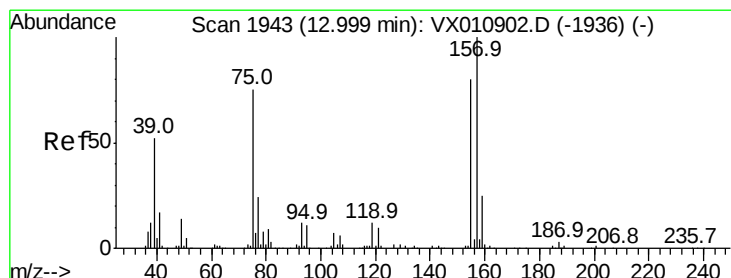
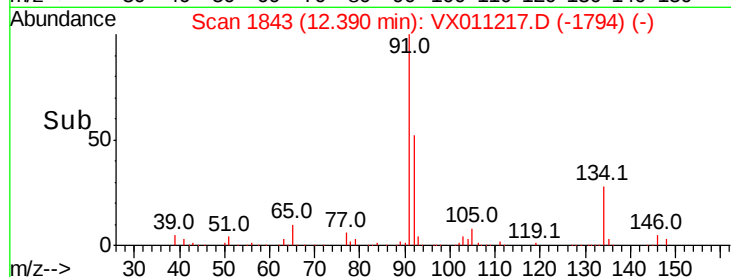
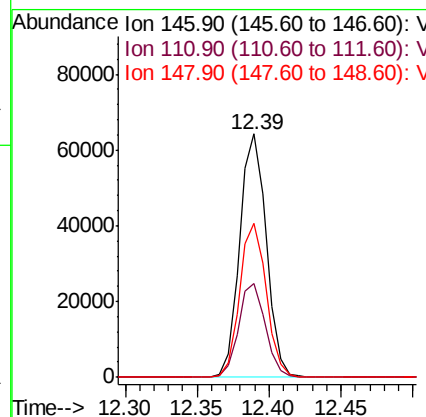
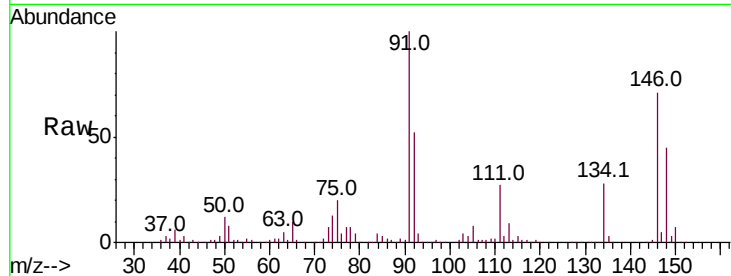
ClientSampleId :

VX0730WBS02

Tot Ion:	146	Resp:	83106
Ion Ratio	Lower	Upper	
146	100		
111	38.8	19.9	59.7
148	62.9	32.0	96.2

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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.139 ug/l

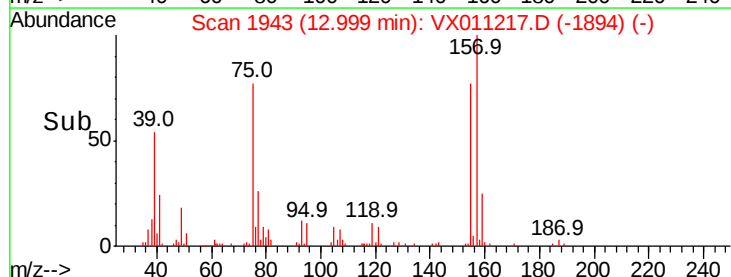
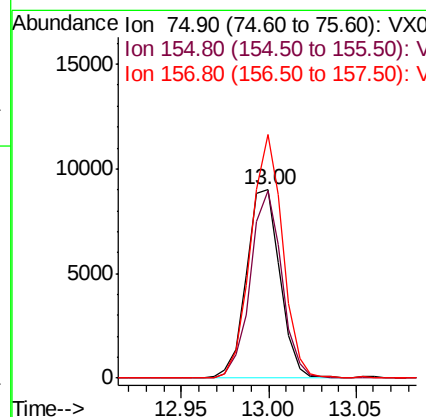
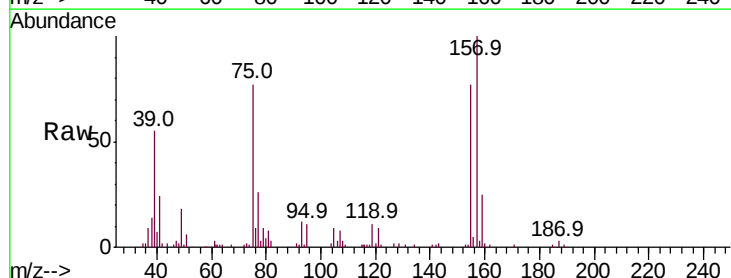
RT: 13.00 min Scan# 1943

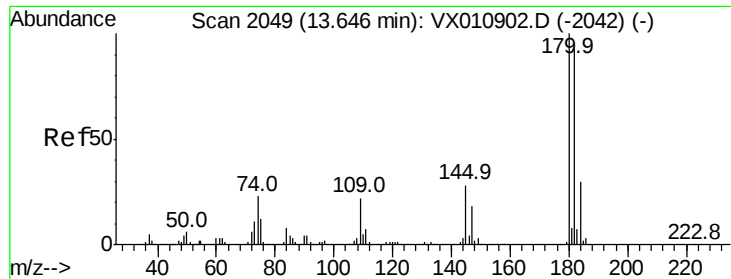
Delta R.T. -0.00 min

Lab File: VX011217.D

Acq: 31 Jul 2019 00:41

Tgt Ion:	75	Resp:	12016
Ion Ratio	Lower	Upper	
75	100		
155	92.5	48.7	146.1
157	122.2	62.5	187.6





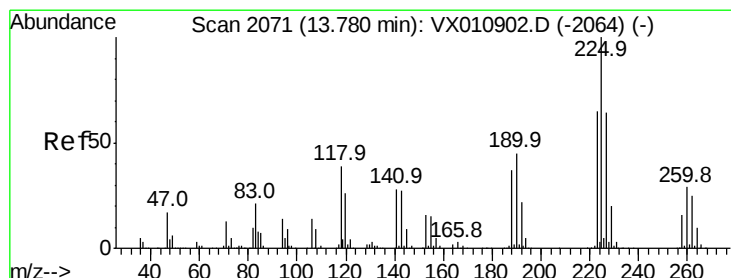
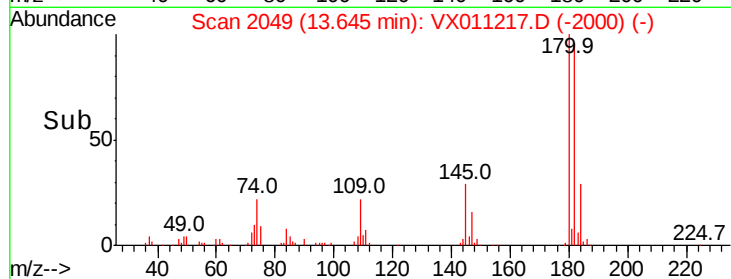
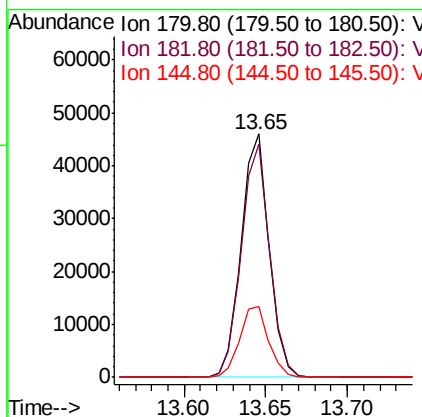
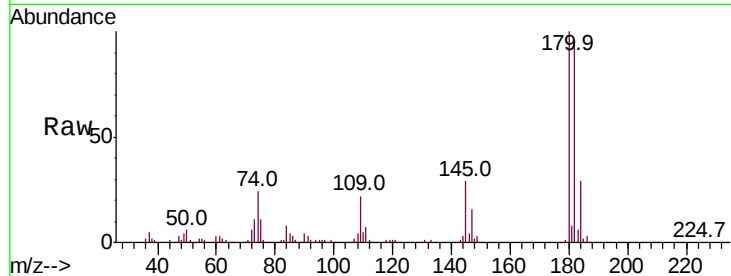
#93
 1,2,4-Trichlorobenzene
 Concen: 18.641 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX011217.D
 Acq: 31 Jul 2019 00:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0730WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.3	47.1	141.3	
145	30.1	14.8	44.4	

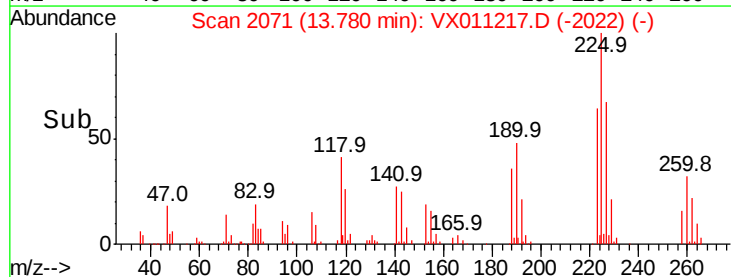
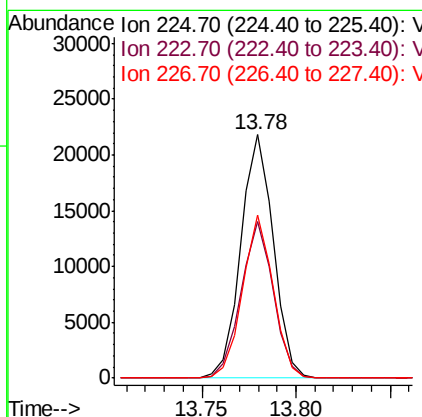
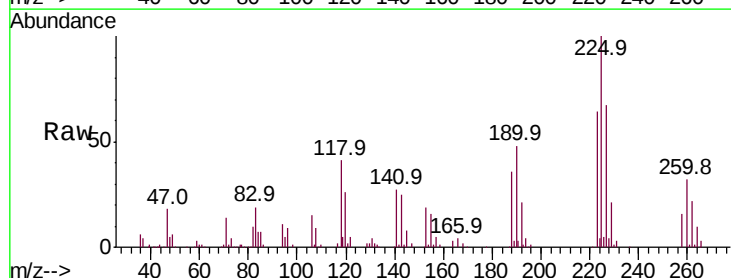
Manual Integrations
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#94
 Hexachlorobutadiene
 Concen: 17.816 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX011217.D
 Acq: 31 Jul 2019 00:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.2	31.9	95.9	
227	63.4	32.5	97.4	





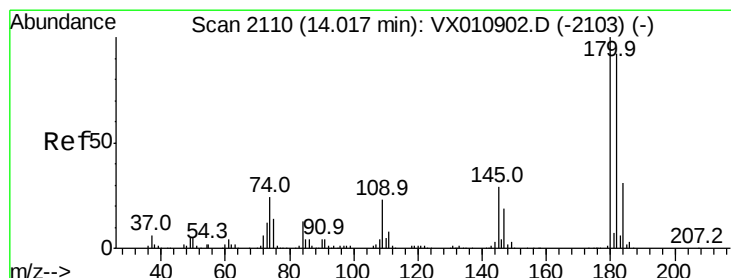
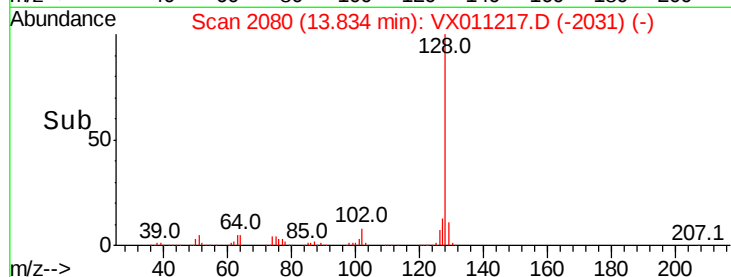
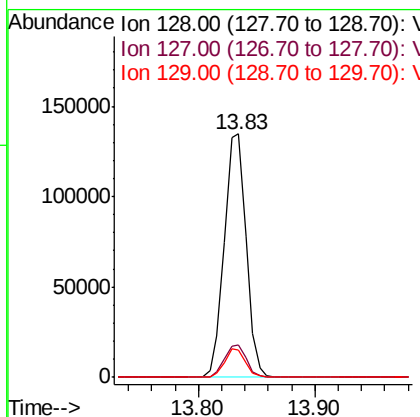
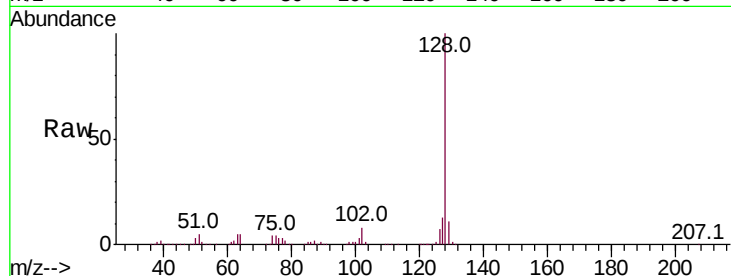
#95
Naphthalene
Concen: 20.176 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX011217.D
Acq: 31 Jul 2019 00:41

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.1	8.9	13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.192 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX011217.D
Acq: 31 Jul 2019 00:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.4	142.3
145	31.6	15.1	45.3

