

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072919\
 Data File : VX011136.D
 Acq On : 29 Jul 2019 11:29
 Operator : JC/SP
 Sample : VX0729WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0729WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/30/2019 11:08:58 AM

Quant Time: Jul 30 05:31:51 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	5.65	168	195067	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	280133	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	258909	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	140694	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	104855	50.53	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.06%	
35) Dibromofluoromethane	5.49	113	94916	53.38	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.76%	
50) Toluene-d8	8.71	98	355656	53.33	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.66%	
62) 4-Bromofluorobenzene	11.13	95	131616	53.69	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	37920	18.578	ug/l	98
3) Chloromethane	1.33	50	34018	18.964	ug/l	98
4) Vinyl Chloride	1.41	62	35456	19.378	ug/l	98
5) Bromomethane	1.64	94	21258	20.617	ug/l	98
6) Chloroethane	1.72	64	22603	19.439	ug/l	98
7) Trichlorofluoromethane	1.93	101	63322	20.445	ug/l	97
8) Diethyl Ether	2.19	74	20741	19.436	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	36087	20.406	ug/l	97
10) Methyl Iodide	2.51	142	37121	15.996	ug/l	99
11) Tert butyl alcohol	3.04	59	44196	91.447	ug/l	99
12) 1,1-Dichloroethene	2.37	96	33393	19.219	ug/l	97
13) Acrolein	2.29	56	14089	50.456	ug/l	94
14) Allyl chloride	2.73	41	48587	19.251	ug/l	99
15) Acrylonitrile	3.14	53	95817	98.113	ug/l	99
16) Acetone	2.44	43	88095	93.991	ug/l	98
17) Carbon Disulfide	2.57	76	72844	16.344	ug/l	99
18) Methyl Acetate	2.77	43	44894	21.036	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	110610	19.775	ug/l	97
20) Methylene Chloride	2.85	84	37871	19.066	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	34891	18.926	ug/l	100
22) Diisopropyl ether	3.85	45	106153	19.943	ug/l	93
23) Vinyl Acetate	3.81	43	441764	97.951	ug/l	100
24) 1,1-Dichloroethane	3.70	63	60847	19.683	ug/l	100
25) 2-Butanone	4.67	43	130757	97.186	ug/l	97
26) 2,2-Dichloropropane	4.58	77	50471	19.885	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	41011	19.221	ug/l	100
28) Bromochloromethane	5.01	49	29184	20.034	ug/l	98
29) Tetrahydrofuran	5.12	42	80521	94.480	ug/l	99
30) Chloroform	5.20	83	65593	19.631	ug/l	100
31) Cyclohexane	5.57	56	53056	18.830	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	56908	19.686	ug/l	98
36) 1,1-Dichloropropene	5.79	75	47460	20.625	ug/l	99
37) Ethyl Acetate	4.83	43	46981	19.939	ug/l	97
38) Carbon Tetrachloride	5.78	117	49362	20.587	ug/l	99

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
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Quant Time: Jul 30 05:31:51 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)
39) Methylcyclohexane	7.46	83	58907	19.741	ug/l	98
40) Benzene	6.13	78	144129	20.448	ug/l	98
41) Methacrylonitrile	5.04	41	26468	19.788	ug/l	98
42) 1,2-Dichloroethane	6.19	62	50002	20.403	ug/l	99
43) Isopropyl Acetate	6.44	43	77086	19.897	ug/l	99
44) Trichloroethene	7.21	130	41209	19.751	ug/l	95
45) 1,2-Dichloropropane	7.51	63	36971	20.608	ug/l	94
46) Dibromomethane	7.66	93	26254	20.480	ug/l	99
47) Bromodichloromethane	7.90	83	48300	21.166	ug/l	100
48) Methyl methacrylate	7.77	41	37276	19.750	ug/l	98
49) 1,4-Dioxane	7.74	88	20974	397.280	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	260057	103.548	ug/l	100
52) Toluene	8.78	92	94269	20.359	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	49478	20.165	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	55342	20.270	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	39466	20.700	ug/l	99
56) Ethyl methacrylate	9.18	69	56994	20.437	ug/l	99
57) 1,3-Dichloropropane	9.37	76	62765	20.752	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	138651	104.149	ug/l	99
59) 2-Hexanone	9.49	43	202800	104.110	ug/l	99
60) Dibromochloromethane	9.58	129	40838	20.199	ug/l	100
61) 1,2-Dibromoethane	9.66	107	41768	20.643	ug/l	100
64) Tetrachloroethene	9.34	164	42674	20.952	ug/l	96
65) Chlorobenzene	10.13	112	109364	20.566	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	38855	20.790	ug/l	99
67) Ethyl Benzene	10.25	91	182512	20.164	ug/l	100
68) m/p-Xylenes	10.35	106	142622	41.077	ug/l	99
69) o-Xylene	10.69	106	69123	20.399	ug/l	100
70) Styrene	10.71	104	116331	20.594	ug/l	99
71) Bromoform	10.85	173	30313	19.454	ug/l	# 98
73) Isopropylbenzene	11.01	105	186697	19.639	ug/l	100
74) N-amyl acetate	10.90	43	68613	18.889	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	61633	19.811	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	51772m	20.392	ug/l	
77) Bromobenzene	11.25	156	50608	19.299	ug/l	98
78) n-propylbenzene	11.36	91	209639	19.958	ug/l	99
79) 2-Chlorotoluene	11.42	91	123836	19.625	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	158558	19.960	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	16742	19.357	ug/l	97
82) 4-Chlorotoluene	11.51	91	146025	19.883	ug/l	99
83) tert-Butylbenzene	11.77	119	154981	19.862	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	159720	19.949	ug/l	99
85) sec-Butylbenzene	11.94	105	189017	20.674	ug/l	99
86) p-Isopropyltoluene	12.06	119	170443	20.165	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	90828	19.959	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	90922	19.481	ug/l	98
89) n-Butylbenzene	12.38	91	147850	20.446	ug/l	100
90) Hexachloroethane	12.59	117	25474	19.108	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	92310	20.467	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13306	20.461	ug/l	93

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VX0729WBS01

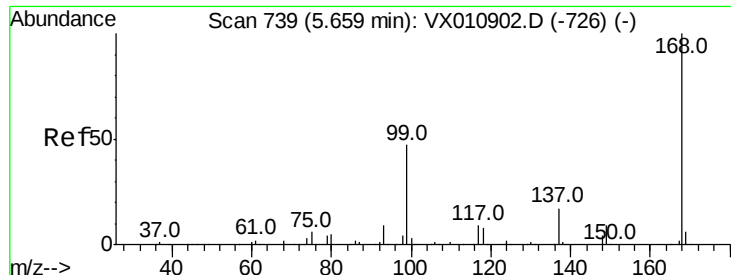
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 24 05:39:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	62872	20.570	ug/l	97
94) Hexachlorobutadiene	13.78	225	32780	21.642	ug/l	97
95) Naphthalene	13.83	128	186805	20.697	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	63897	21.010	ug/l	99

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



#1

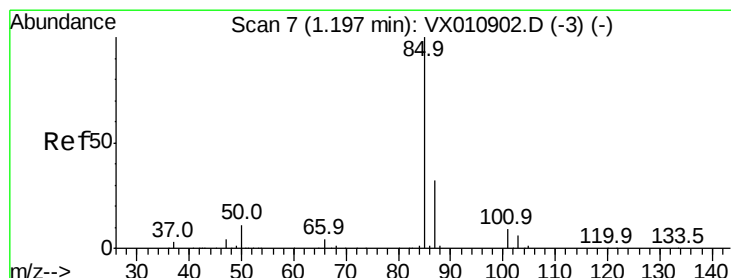
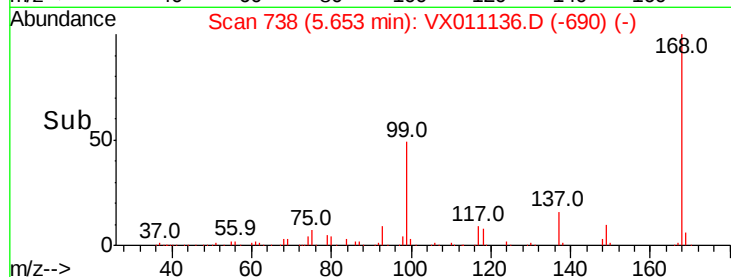
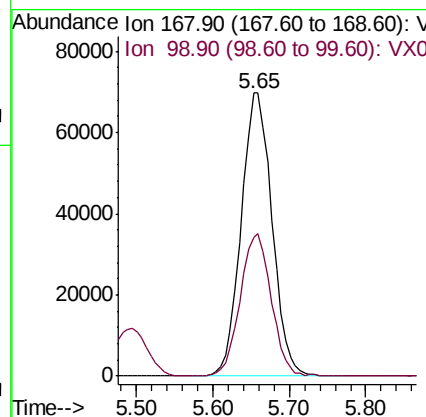
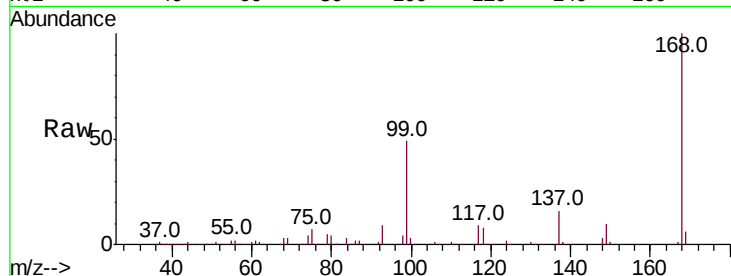
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VX011136.D
 Acq: 29 Jul 2019 11:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0729WBS01

Tot Ion	Ratio	Lower	Upper
168	100		
99	48.9	37.6	56.4

Manual Integrations
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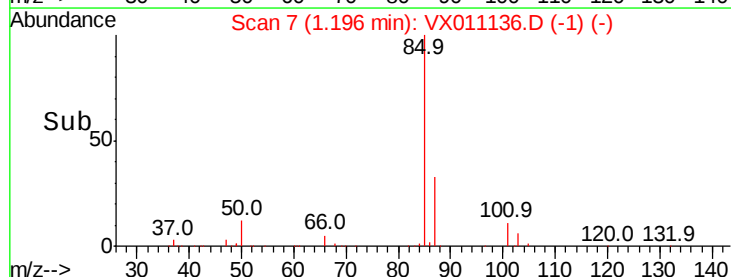
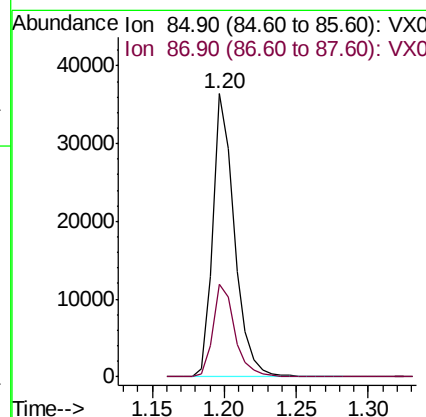
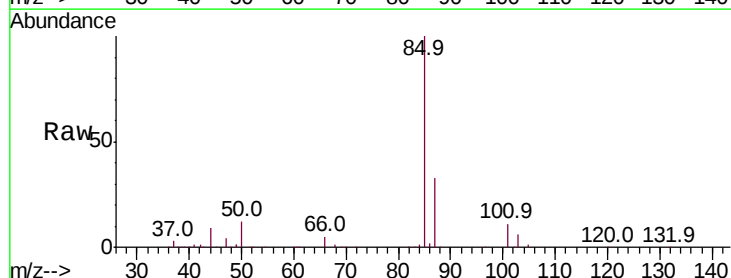
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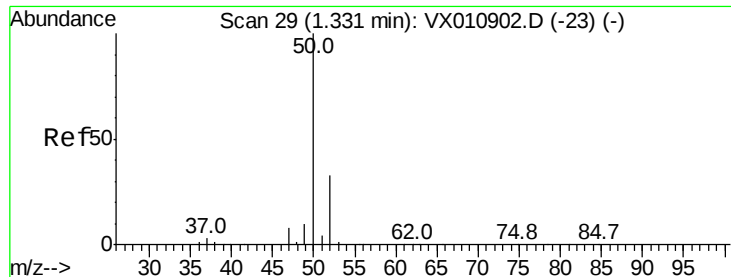


#2

Dichlorodifluoromethane
 Concen: 18.578 ug/l
 RT: 1.20 min Scan# 7
 Delta R.T. 0.00 min
 Lab File: VX011136.D
 Acq: 29 Jul 2019 11:29

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.9	15.9	47.7





#3

Chloromethane

Concen: 18.964 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX011136.D

Acq: 29 Jul 2019 11:29

Instrument :

MSVOA_X

ClientSampleId :

VX0729WBS01

Tot Ion: 50 Resp: 34018

Ion Ratio Lower Upper

50 100

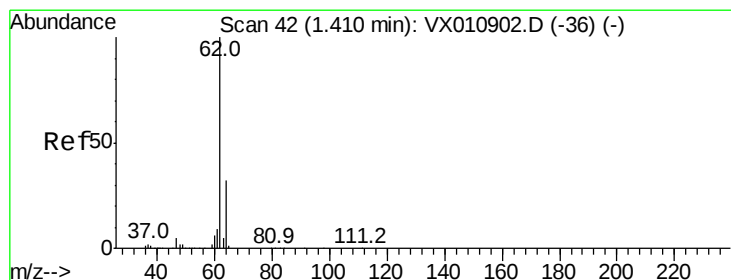
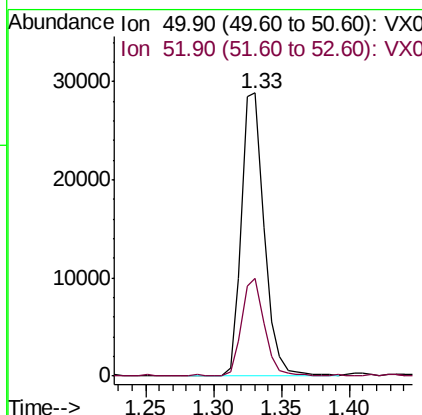
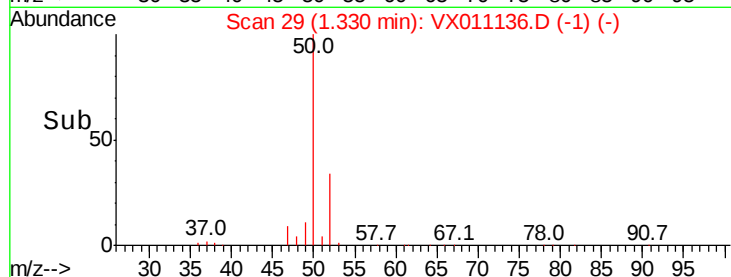
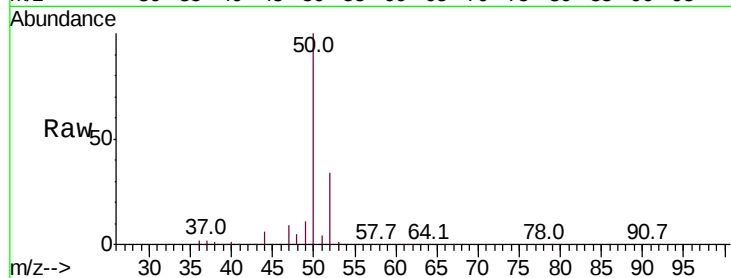
52 34.2 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.378 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX011136.D

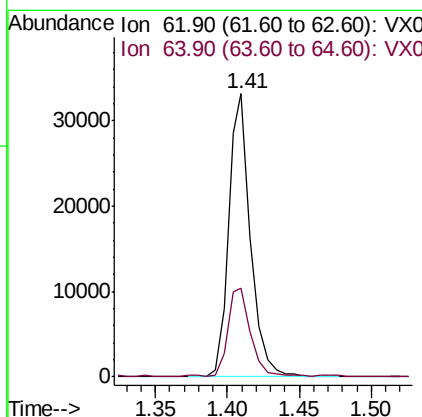
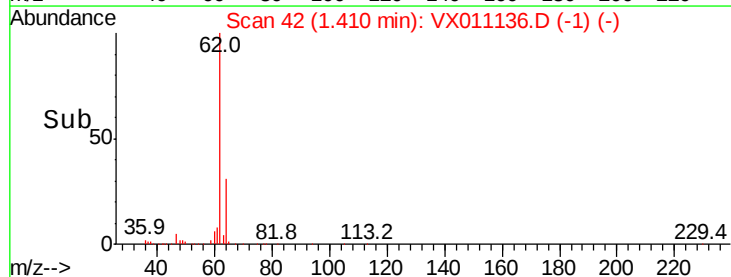
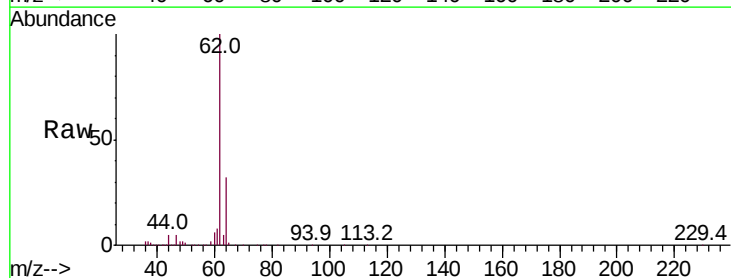
Acq: 29 Jul 2019 11:29

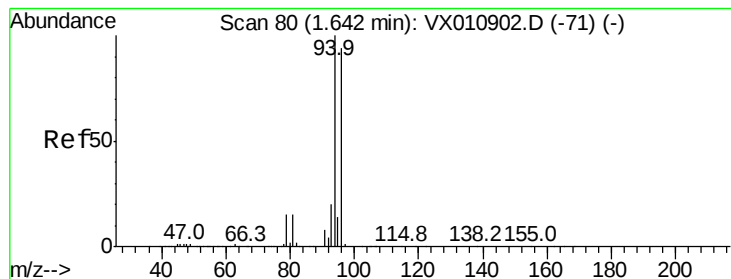
Tgt Ion: 62 Resp: 35456

Ion Ratio Lower Upper

62 100

64 31.1 25.7 38.5





#5

Bromomethane

Concen: 20.617 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX011136.D

Acq: 29 Jul 2019 11:29

Instrument :

MSVOA_X

ClientSampleId :

VX0729WBS01

Tot Ion: 94 Resp: 21258

Ion Ratio Lower Upper

94 100

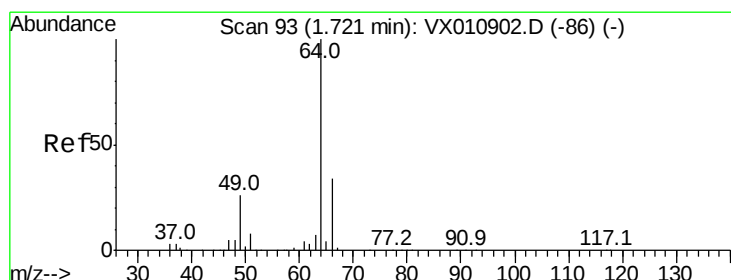
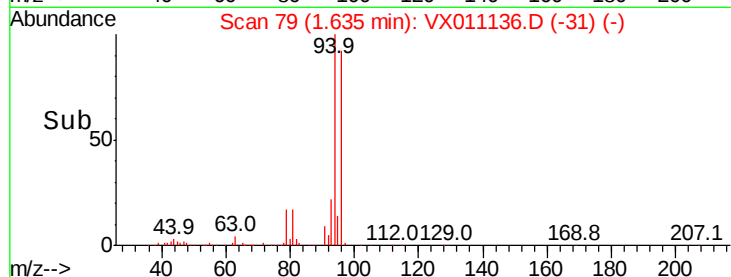
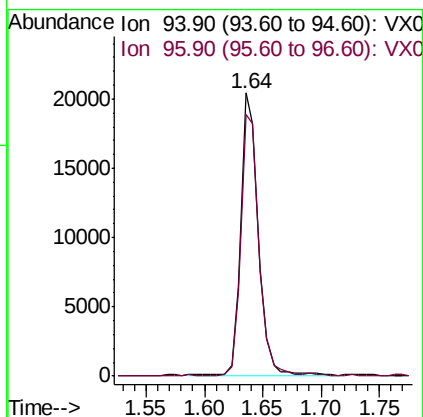
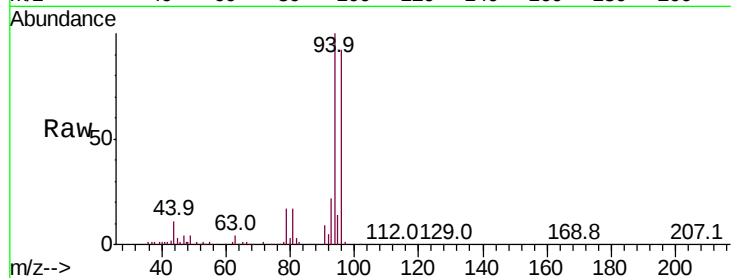
96 92.4 75.6 113.4

Manual Integrations

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#6

Chloroethane

Concen: 19.439 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX011136.D

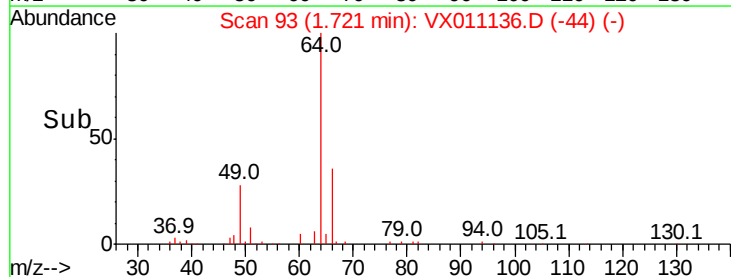
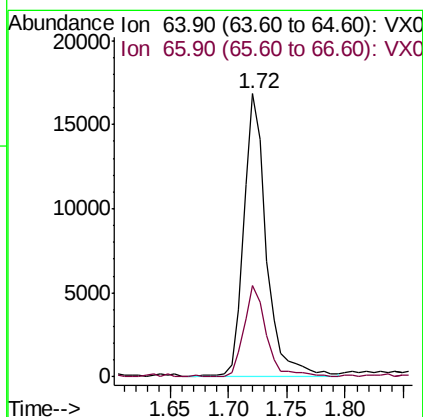
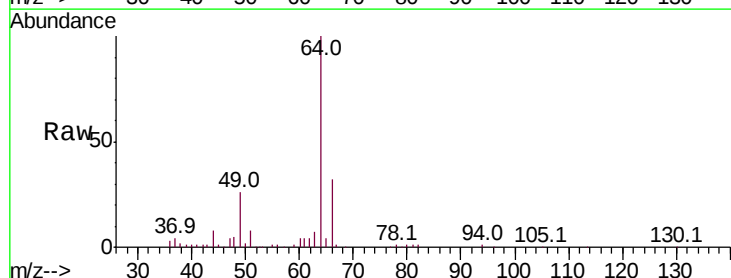
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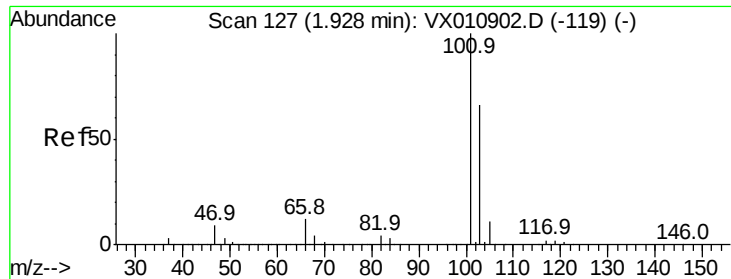
Tgt Ion: 64 Resp: 22603

Ion Ratio Lower Upper

64 100

66 32.6 27.0 40.6





#7

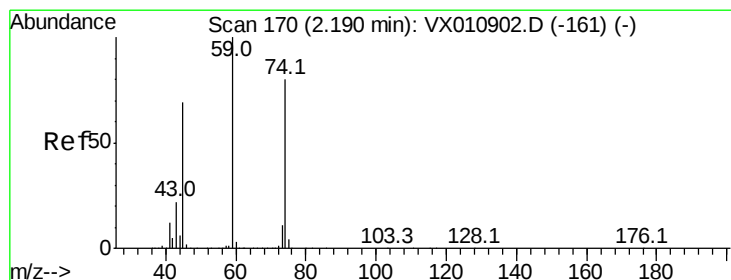
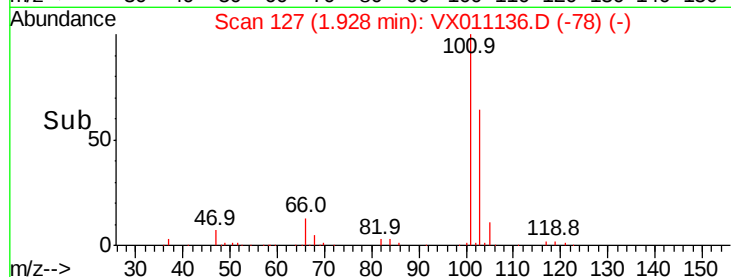
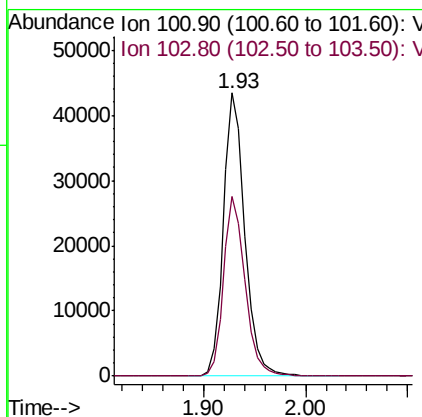
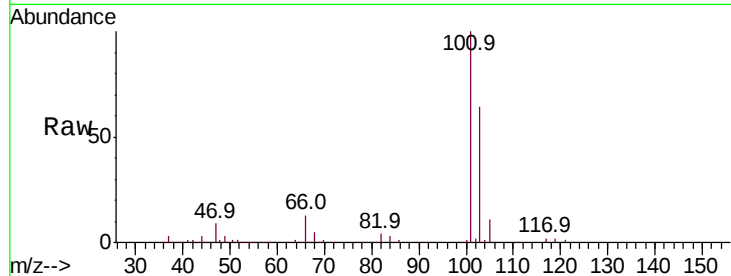
Trichlorofluoromethane
 Concen: 20.445 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VX011136.D
 Acq: 29 Jul 2019 11:29

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 ClientSampleId :
 VX0729WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	52.6	78.8

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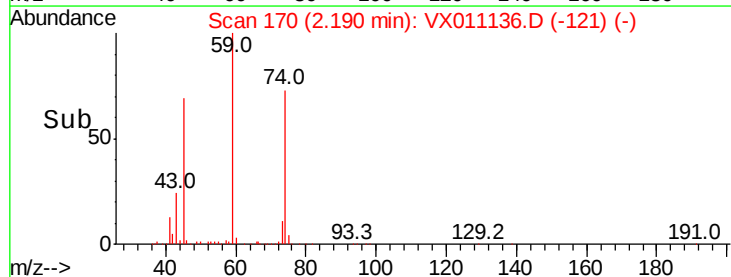
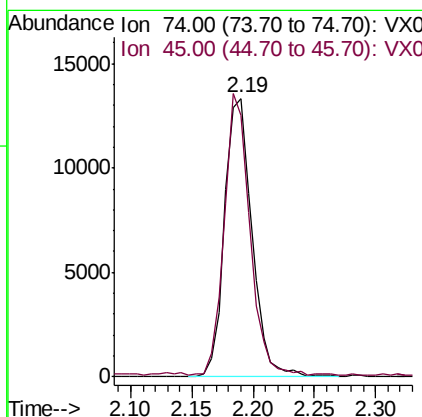
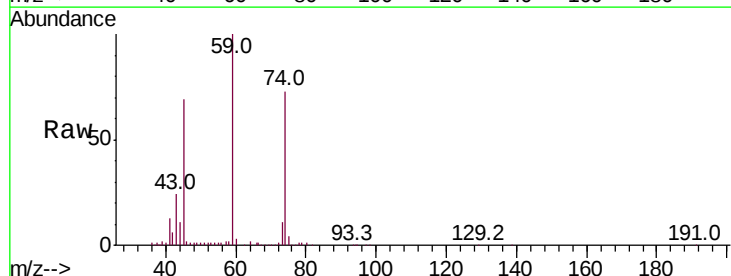
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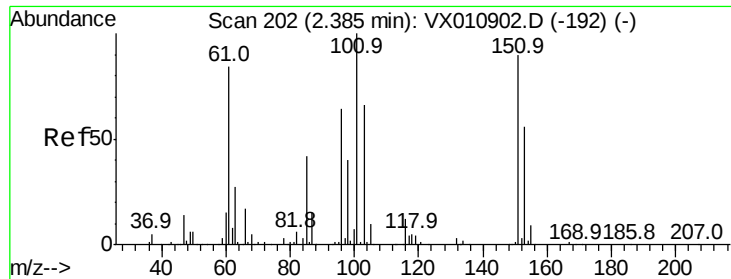


#8

Diethyl Ether
 Concen: 19.436 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX011136.D
 Acq: 29 Jul 2019 11:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.0	45.5	136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.406 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX011136.D

Acq: 29 Jul 2019 11:29

Instrument :

MSVOA_X

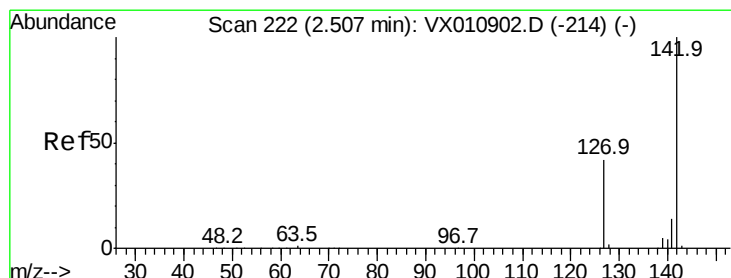
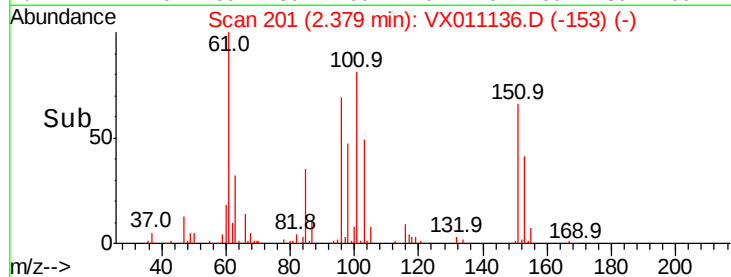
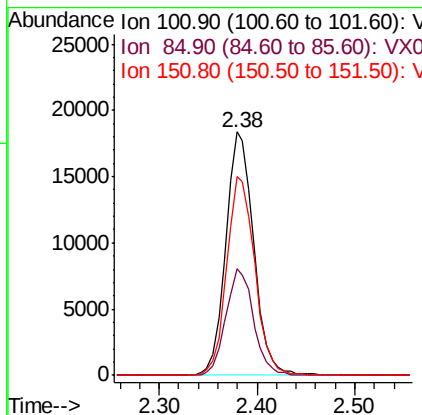
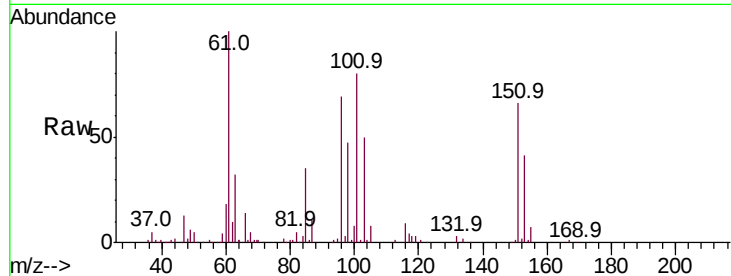
ClientSampleId :

VX0729WBS01

Tot Ion:	101	Resp:	36087
Ion Ratio	Lower	Upper	
101	100		
85	43.5	34.6	52.0
151	82.8	69.6	104.4

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#10

Methyl Iodide

Concen: 15.996 ug/l

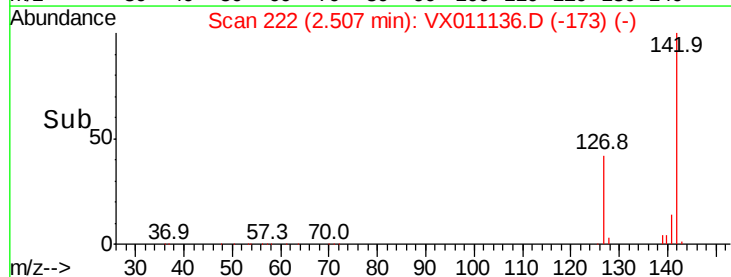
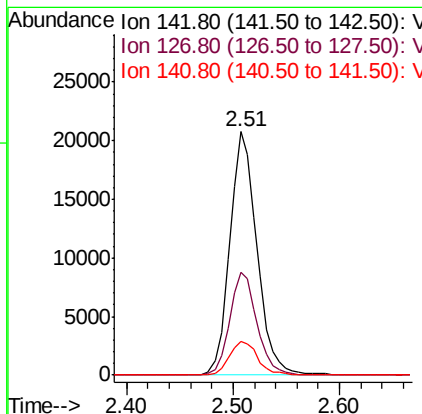
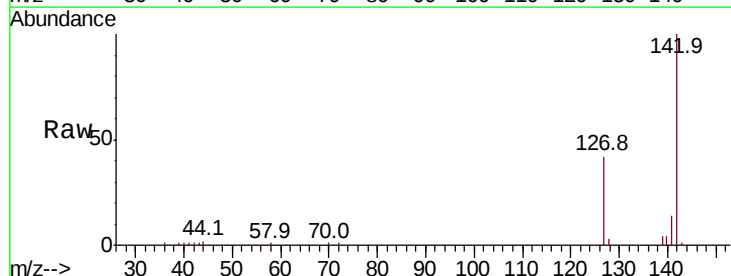
RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

Lab File: VX011136.D

Acq: 29 Jul 2019 11:29

Tgt Ion:	142	Resp:	37121
Ion Ratio	Lower	Upper	
142	100		
127	42.4	34.2	51.4
141	14.4	11.7	17.5





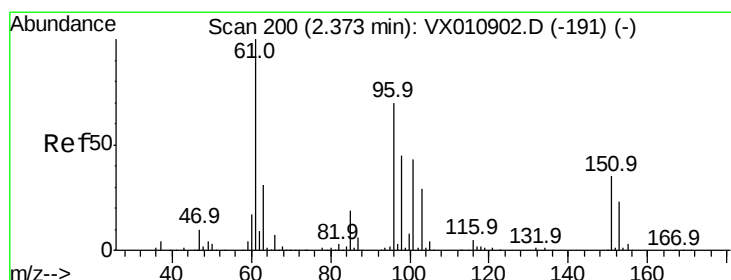
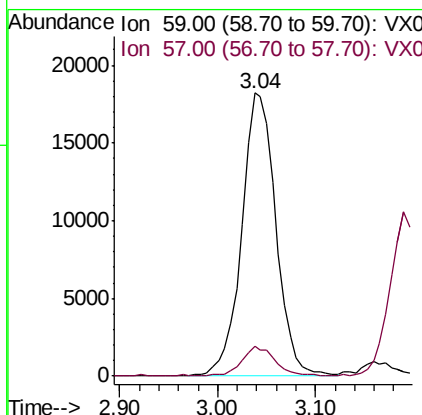
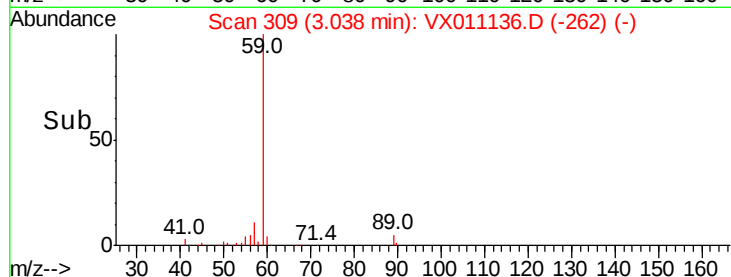
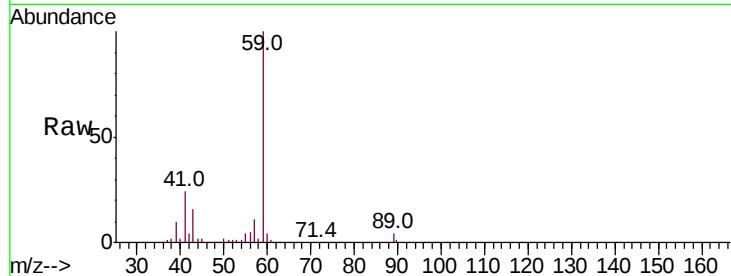
#11
Tert butyl alcohol
Concen: 91.447 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX011136.D
Acq: 29 Jul 2019 11:29

Instrument :
MSVOA_X
ClientSampleId :
VX0729WBS01

Tot Ion: 59 Resp: 44196
Ion Ratio Lower Upper
59 100
57 10.2 7.9 11.9

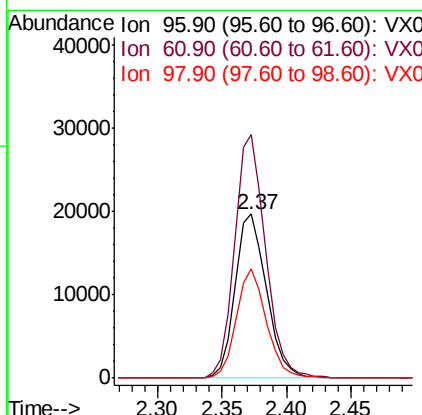
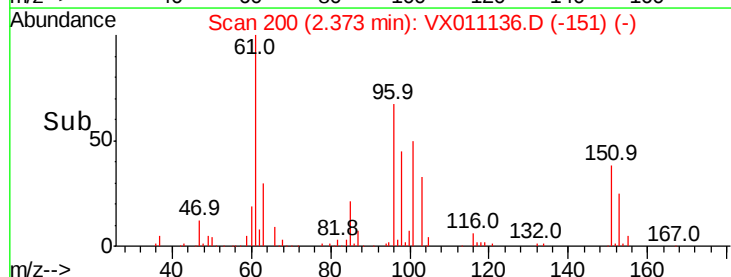
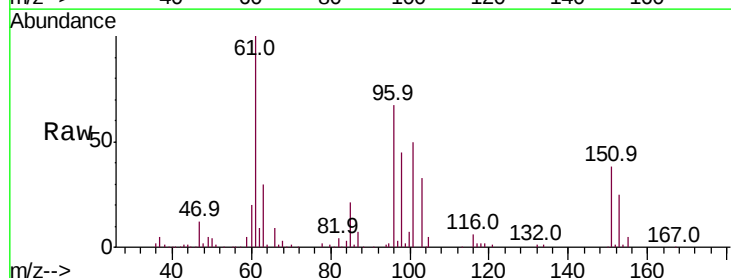
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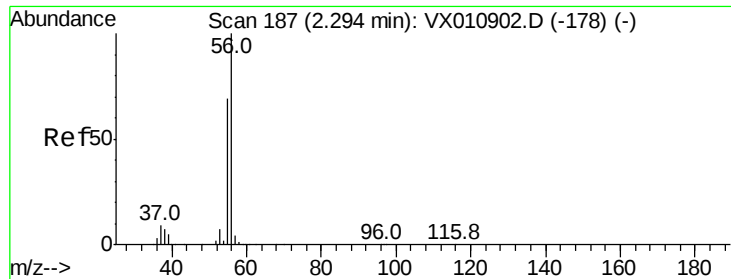
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.219 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX011136.D
Acq: 29 Jul 2019 11:29

Tgt Ion: 96 Resp: 33393
Ion Ratio Lower Upper
96 100
61 148.4 115.0 172.4
98 66.5 52.2 78.2





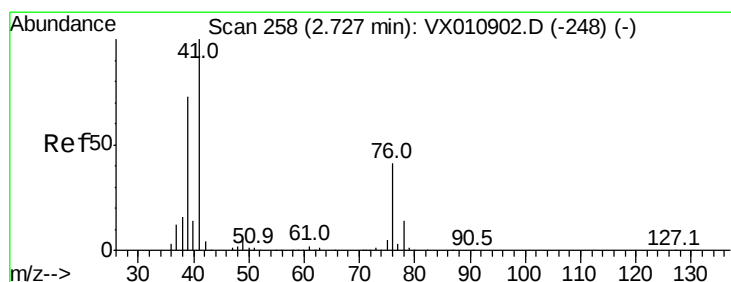
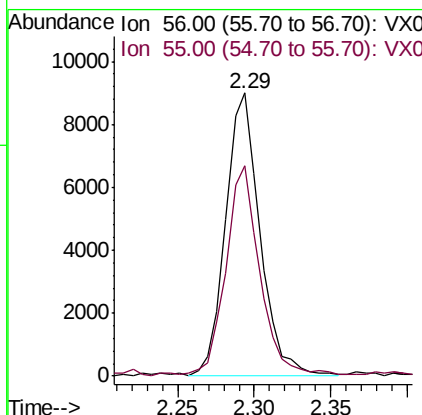
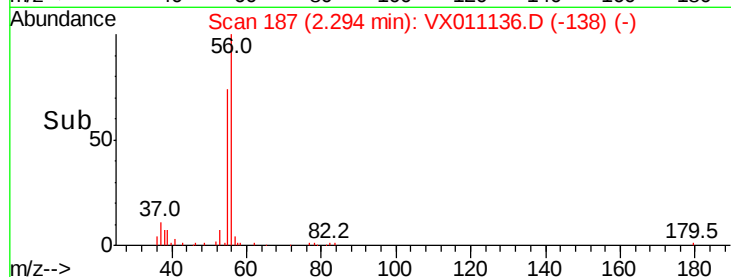
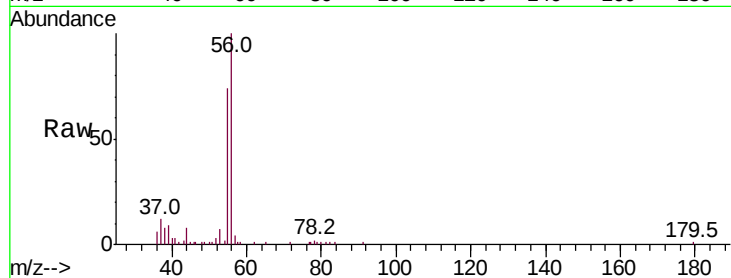
#13
Acrolein
Concen: 50.456 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX011136.D
Acq: 29 Jul 2019 11:29

Instrument :
MSVOA_X
ClientSampleId :
VX0729WBS01

Tot Ion	56	Resp	14089
Ion Ratio	100	Lower	Upper
56	100		
55	74.7	55.9	83.9

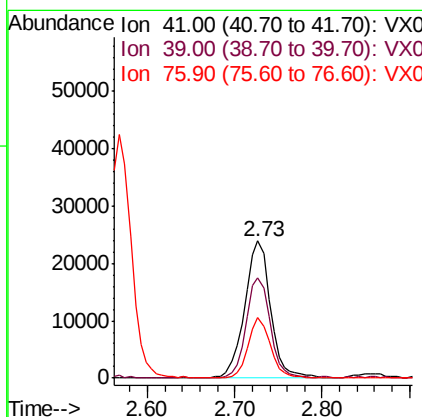
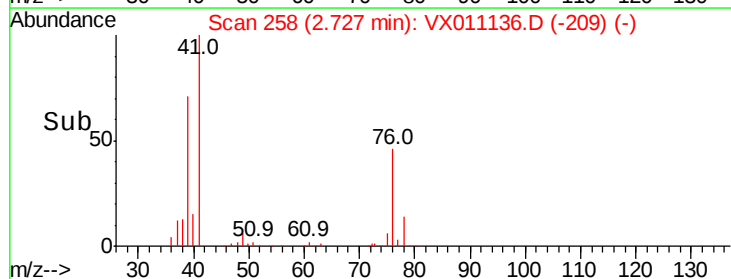
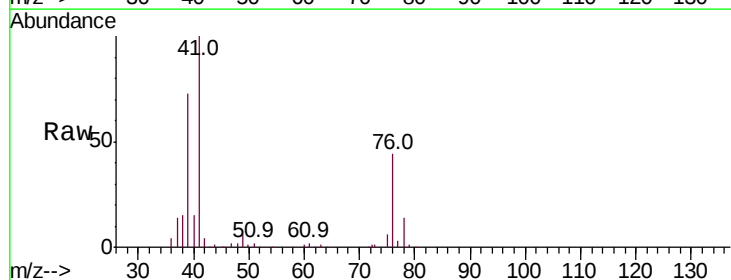
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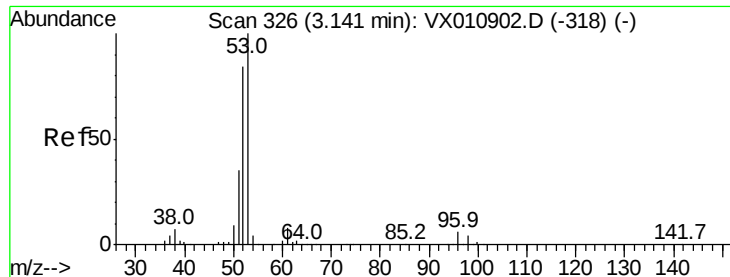
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#14
Allyl chloride
Concen: 19.251 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX011136.D
Acq: 29 Jul 2019 11:29

Tgt Ion	41	Resp	48587
Ion Ratio	100	Lower	Upper
41	100		
39	66.8	53.6	80.4
76	38.5	29.7	44.5





#15

Acrylonitrile

Concen: 98.113 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX011136.D

Acq: 29 Jul 2019 11:29

Instrument :

MSVOA_X

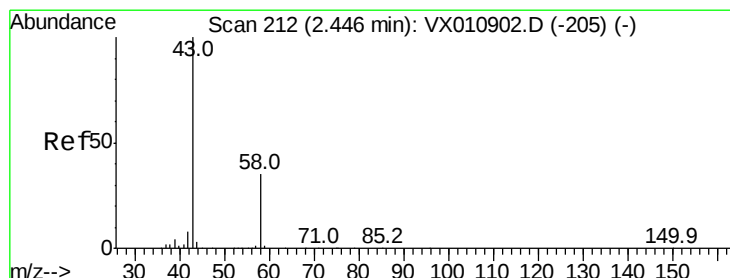
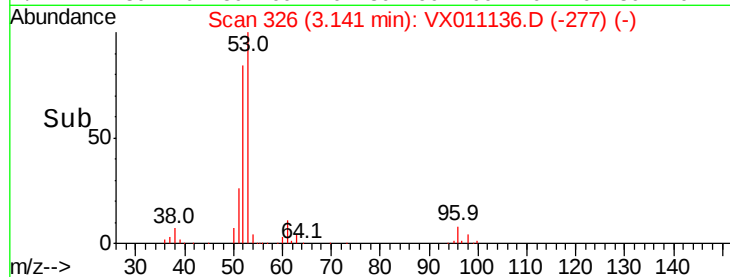
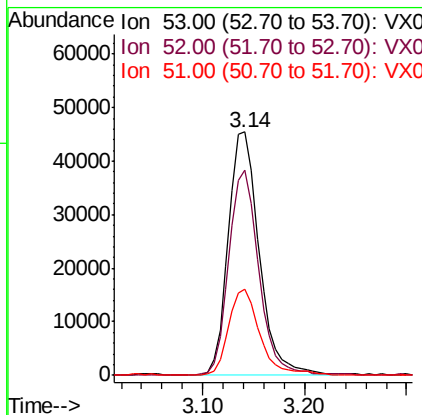
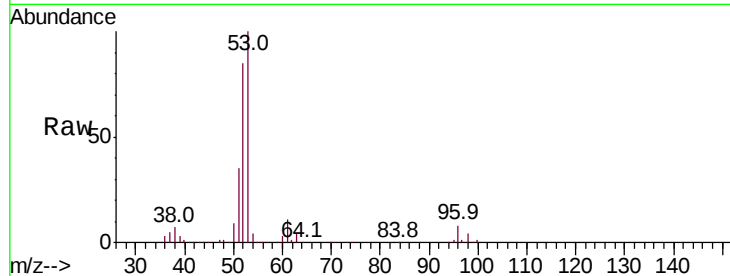
ClientSampleId :

VX0729WBS01

Tot Ion:	53	Resp:	95817
Ion Ratio	Lower	Upper	
53	100		
52	82.2	66.5	99.7
51	35.2	28.2	42.4

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#16

Acetone

Concen: 93.991 ug/l

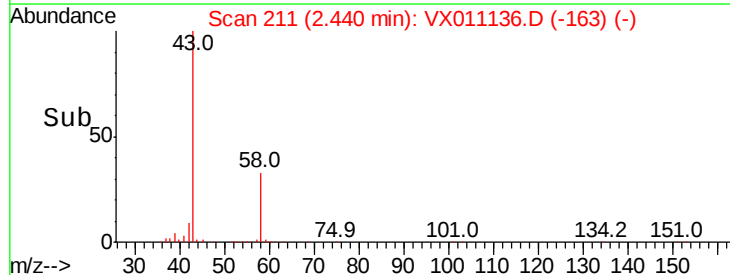
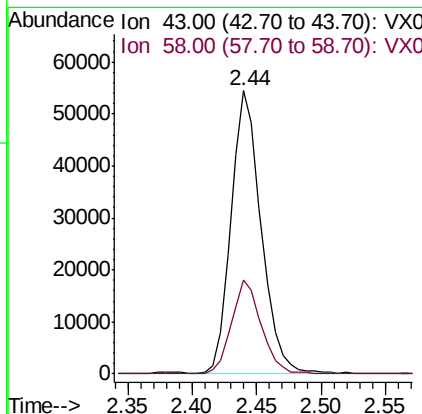
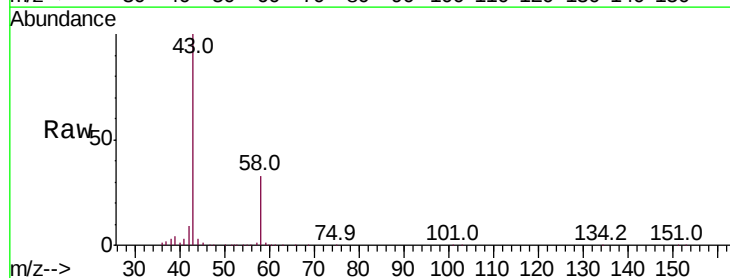
RT: 2.44 min Scan# 211

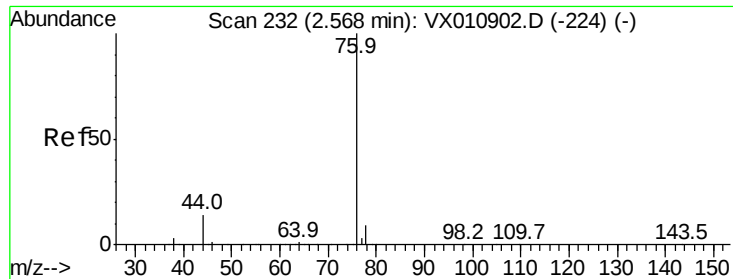
Delta R.T. -0.01 min

Lab File: VX011136.D

Acq: 29 Jul 2019 11:29

Tgt Ion:	43	Resp:	88095
Ion Ratio	Lower	Upper	
43	100		
58	33.3	27.7	41.5





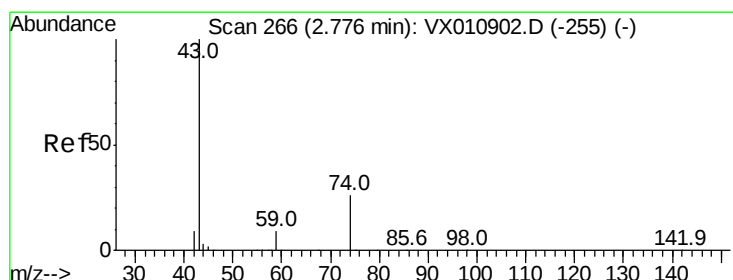
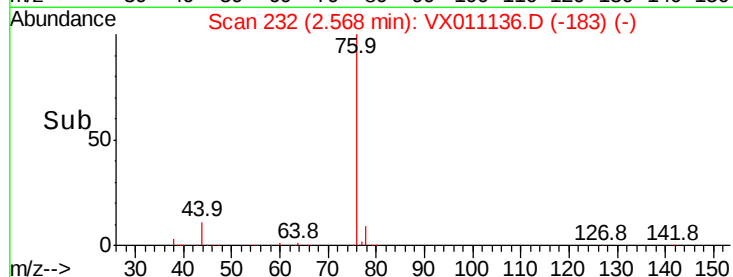
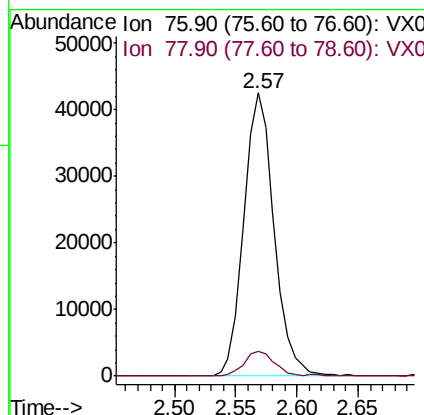
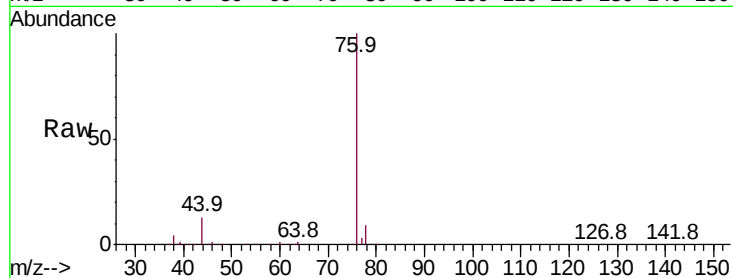
#17
Carbon Disulfide
Concen: 16.344 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX011136.D
Acq: 29 Jul 2019 11:29

Instrument :
MSVOA_X
ClientSampleId :
VX0729WBS01

Tot Ion: 76 Resp: 72844
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0

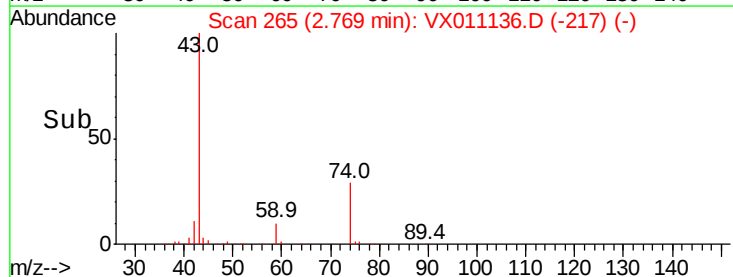
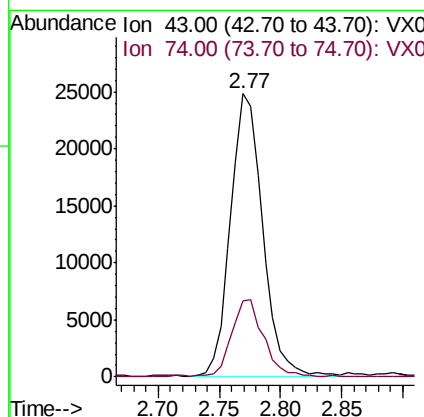
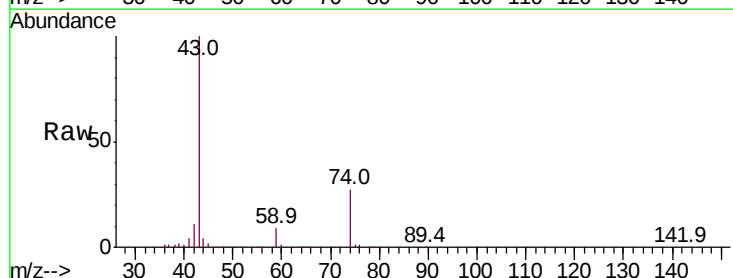
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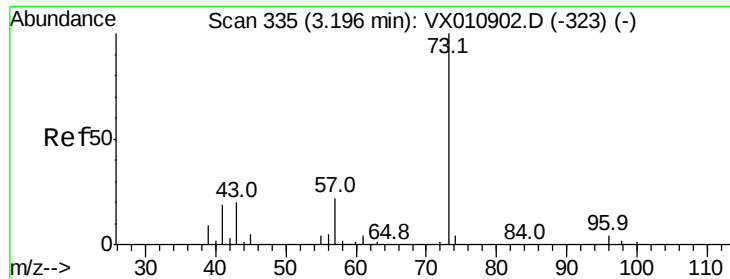
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#18
Methyl Acetate
Concen: 21.036 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX011136.D
Acq: 29 Jul 2019 11:29

Tgt Ion: 43 Resp: 44894
Ion Ratio Lower Upper
43 100
74 27.5 21.5 32.3





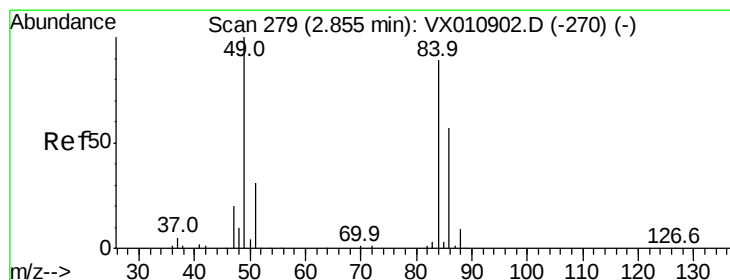
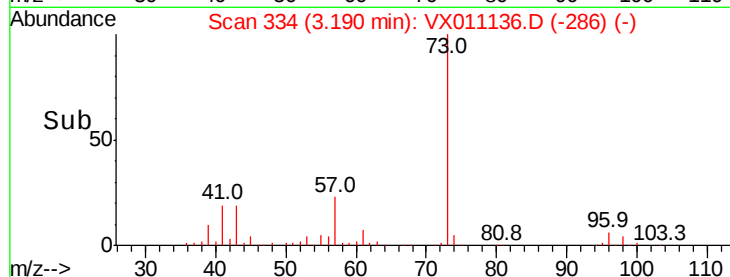
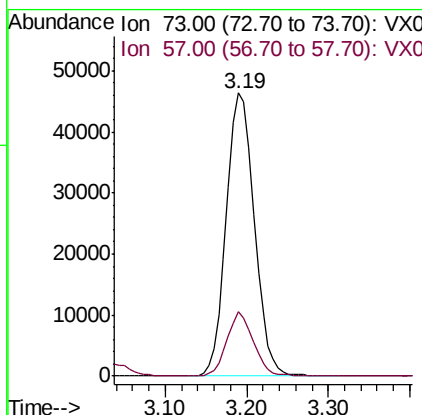
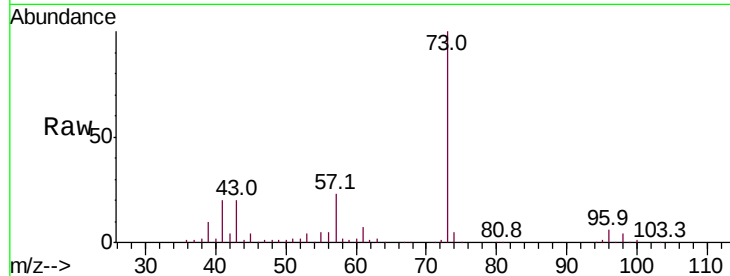
#19
Methyl tert-butyl Ether
Concen: 19.775 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX011136.D
Acq: 29 Jul 2019 11:29

Instrument :
MSVOA_X
ClientSampled :
VX0729WBS01

Tot Ion: 73 Resp: 110610
Ion Ratio Lower Upper
73 100
57 22.9 17.3 25.9

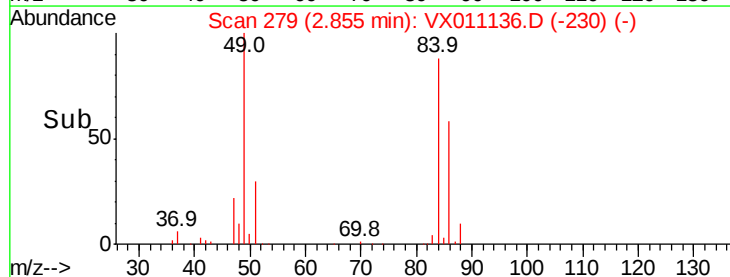
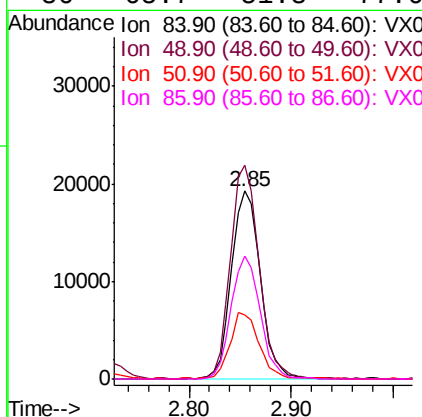
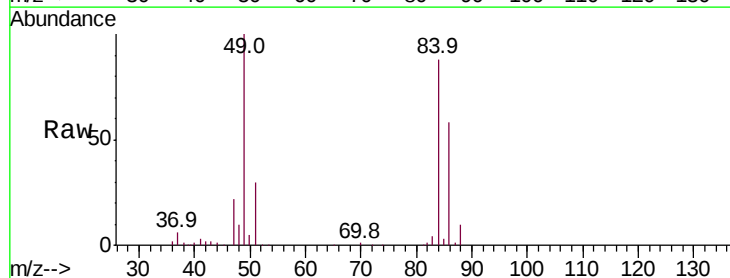
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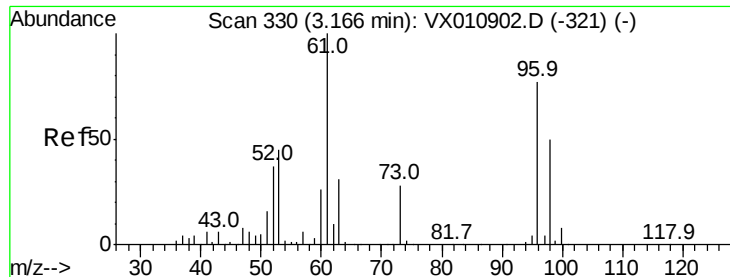
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#20
Methylene Chloride
Concen: 19.066 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX011136.D
Acq: 29 Jul 2019 11:29

Tgt Ion: 84 Resp: 37871
Ion Ratio Lower Upper
84 100
49 113.5 89.9 134.9
51 34.0 27.8 41.6
86 65.7 51.8 77.6





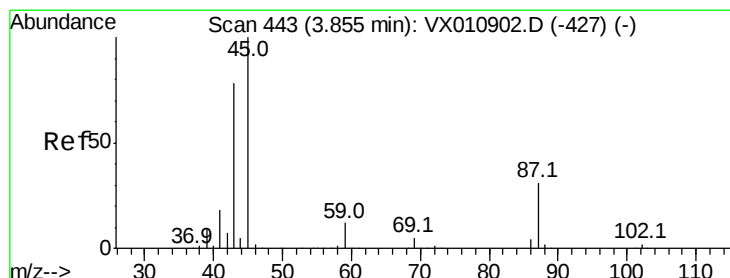
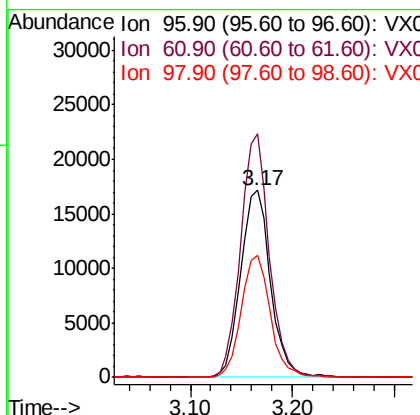
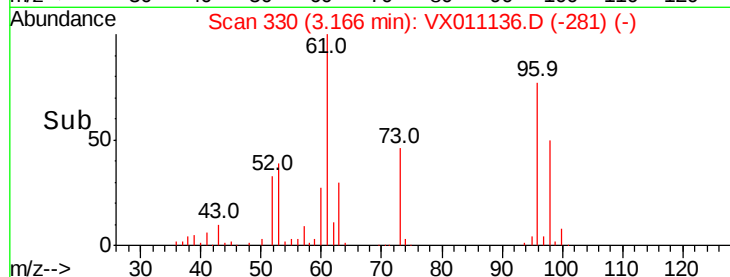
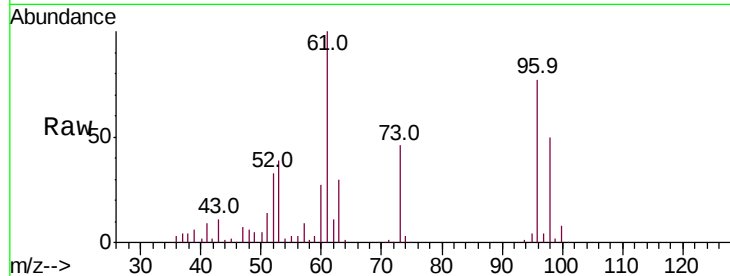
#21
trans-1,2-Dichloroethene
Concen: 18.926 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX011136.D
Acq: 29 Jul 2019 11:29

Instrument :
MSVOA_X
ClientSampleId :
VX0729WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.2	104.2	156.2
98	65.3	52.2	78.4

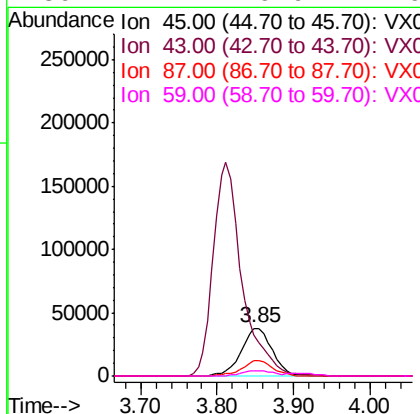
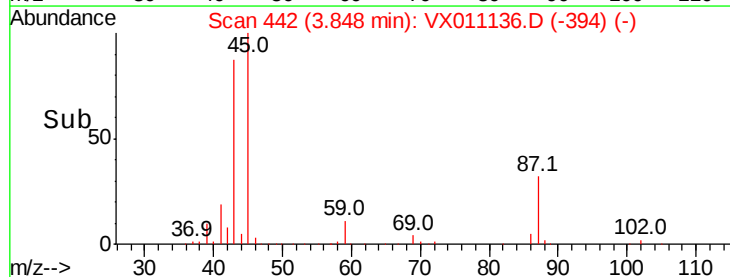
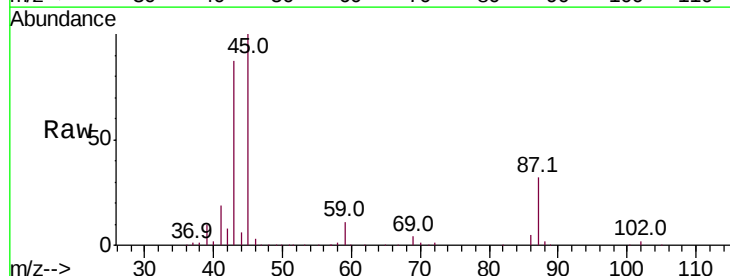
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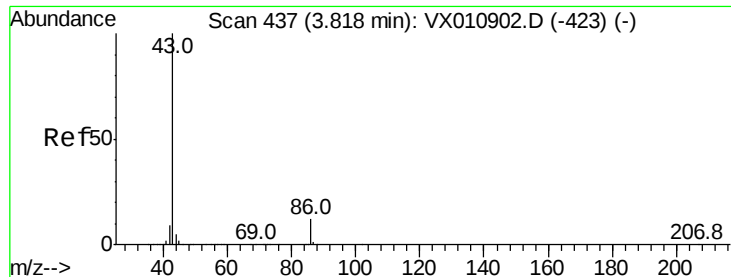
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#22
Diisopropyl ether
Concen: 19.943 ug/l
RT: 3.85 min Scan# 442
Delta R.T. -0.01 min
Lab File: VX011136.D
Acq: 29 Jul 2019 11:29

Tgt Ion	Ratio	Lower	Upper
45	100		
43	86.0	62.3	93.5
87	32.0	25.0	37.4
59	11.2	9.9	14.9





#23

Vinyl Acetate

Concen: 97.951 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX011136.D

Acq: 29 Jul 2019 11:29

Instrument :

MSVOA_X

ClientSampleId :

VX0729WBS01

Tot Ion: 43 Resp: 441764

Ion Ratio Lower Upper

43 100

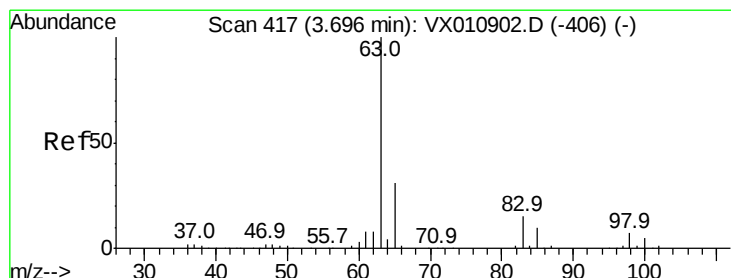
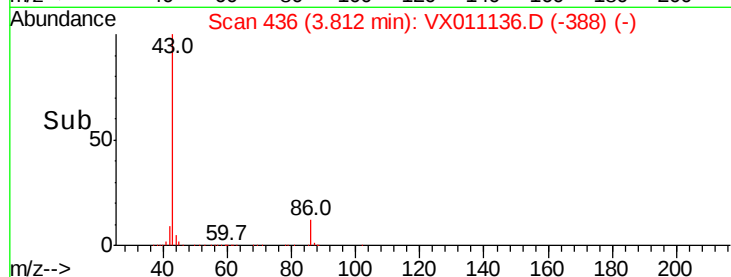
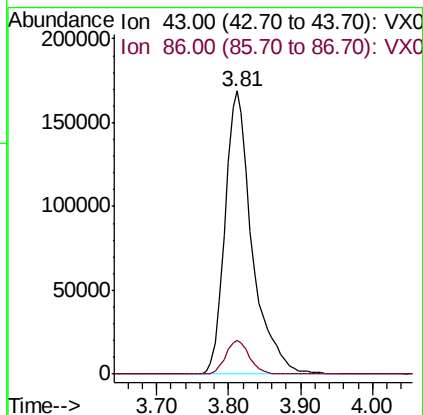
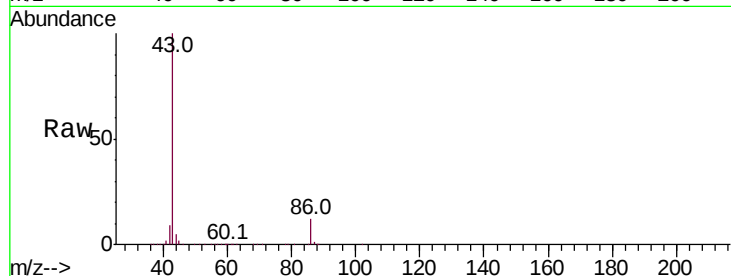
86 11.7 9.4 14.0

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#24

1,1-Dichloroethane

Concen: 19.683 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX011136.D

Acq: 29 Jul 2019 11:29

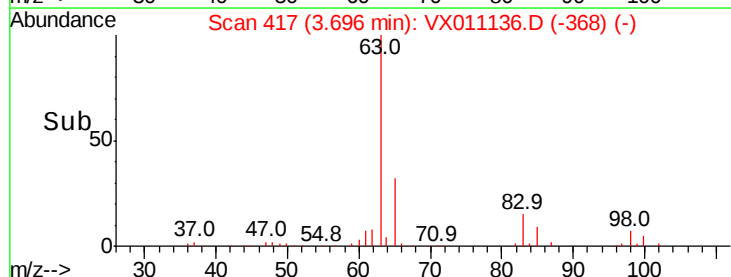
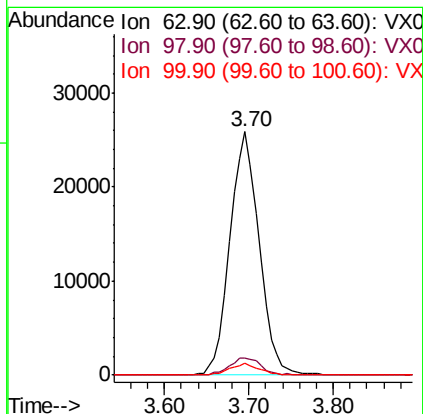
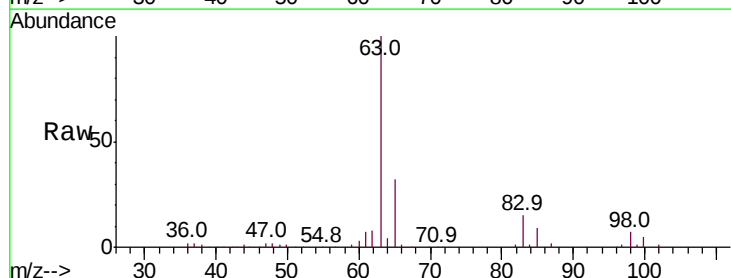
Tgt Ion: 63 Resp: 60847

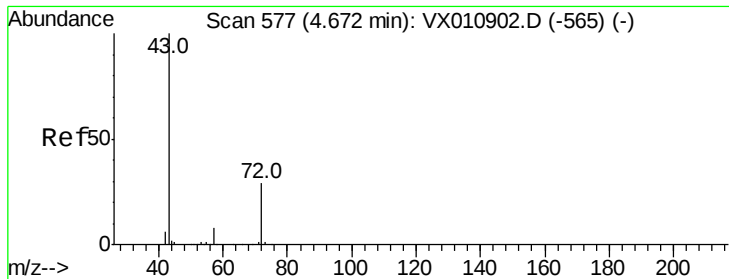
Ion Ratio Lower Upper

63 100

98 7.2 3.6 10.9

100 5.0 2.4 7.2





#25

2-Butanone

Concen: 97.186 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX011136.D

Acq: 29 Jul 2019 11:29

Instrument :

MSVOA_X

ClientSampleId :

VX0729WBS01

Tot Ion: 43 Resp: 130757

Ion Ratio Lower Upper

43 100

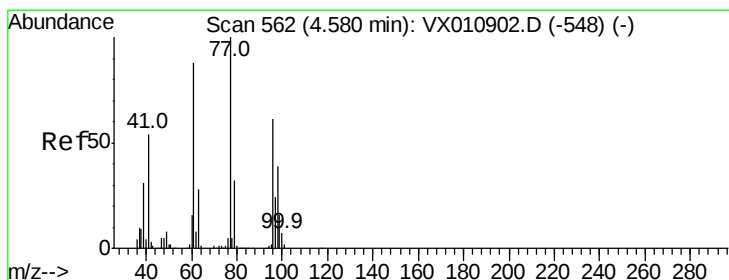
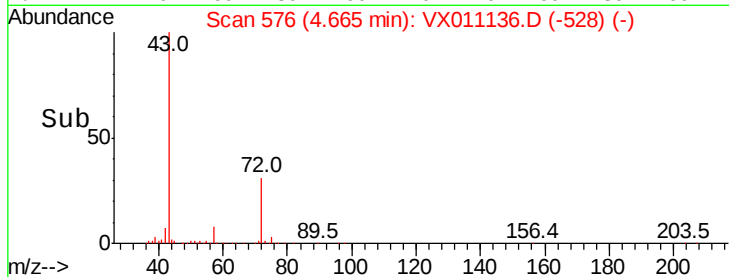
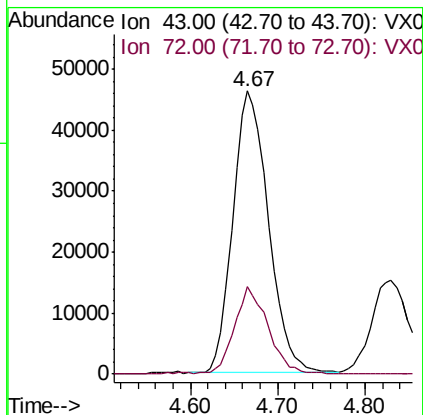
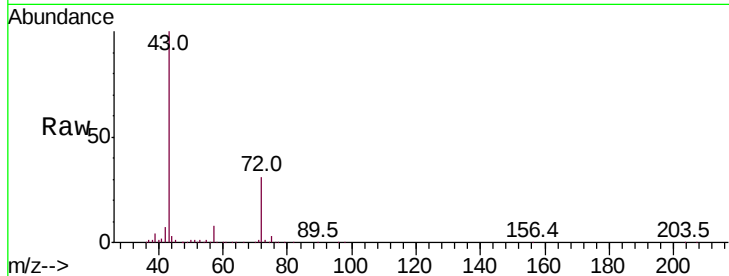
72 30.6 23.0 34.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.885 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX011136.D

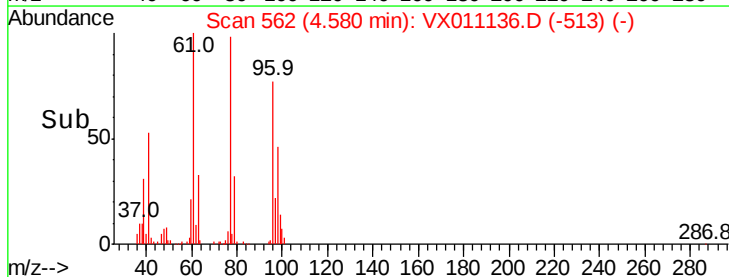
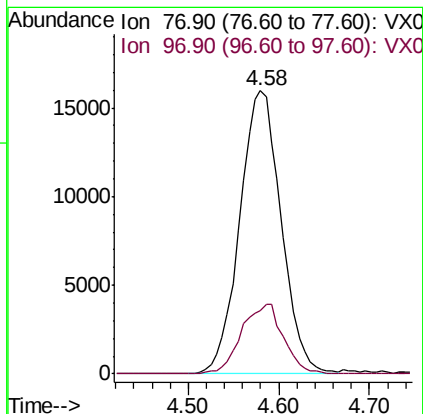
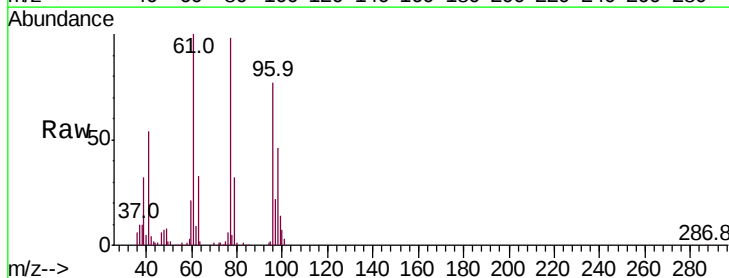
Acq: 29 Jul 2019 11:29

Tgt Ion: 77 Resp: 50471

Ion Ratio Lower Upper

77 100

97 24.8 12.6 37.6





#27

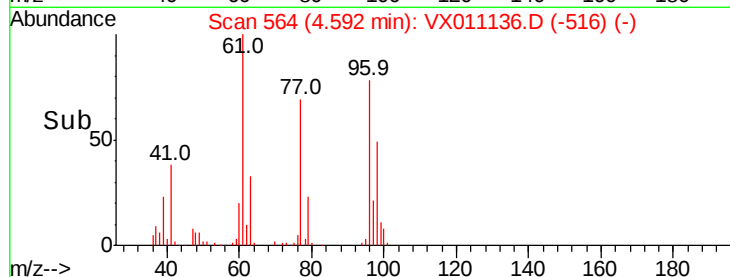
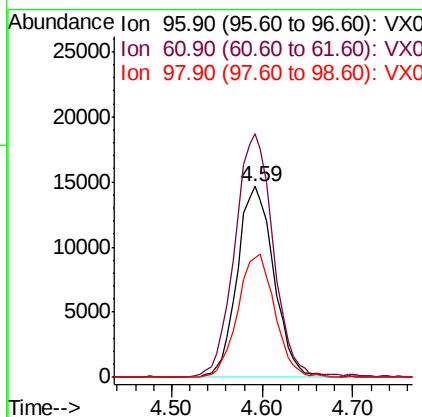
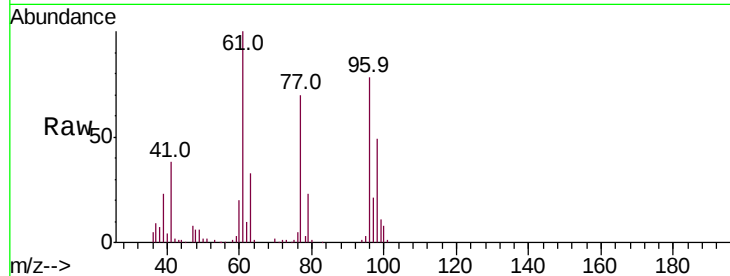
cis-1,2-Dichloroethene
 Concen: 19.221 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX011136.D
 Acq: 29 Jul 2019 11:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0729WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.3	0.0	269.0
98	65.4	0.0	131.4

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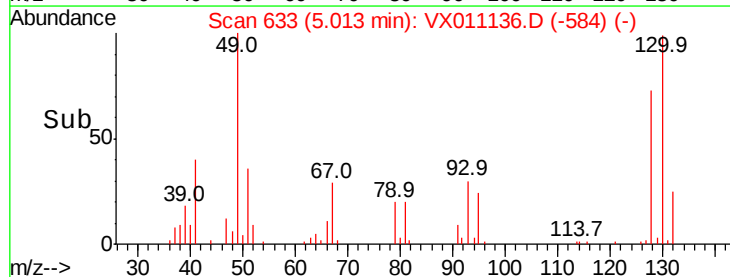
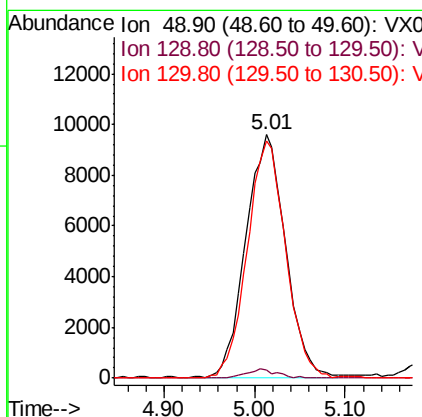
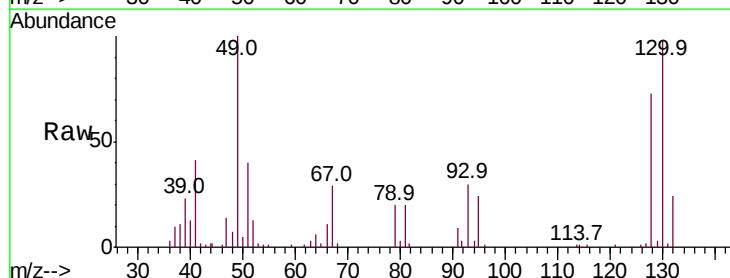
MMDadoda
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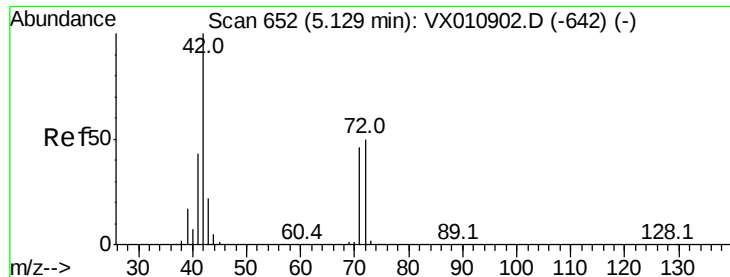


#28

Bromochloromethane
 Concen: 20.034 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.00 min
 Lab File: VX011136.D
 Acq: 29 Jul 2019 11:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.2
130	93.9	76.9	115.3





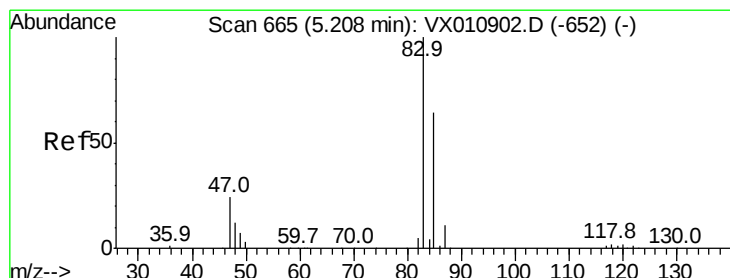
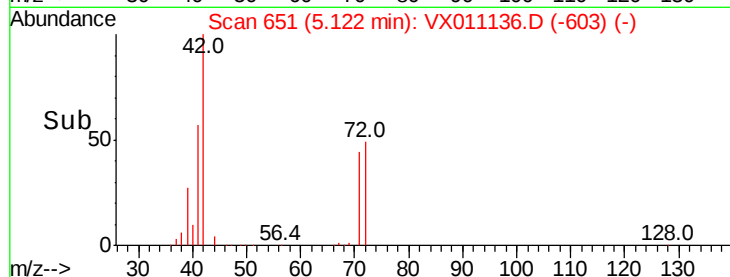
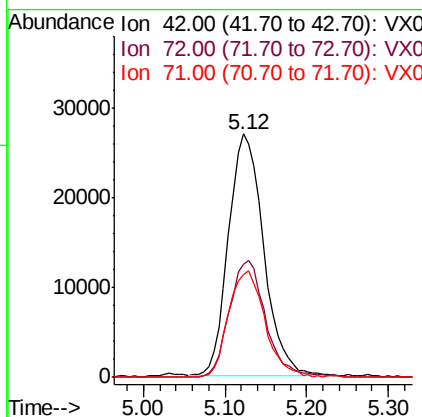
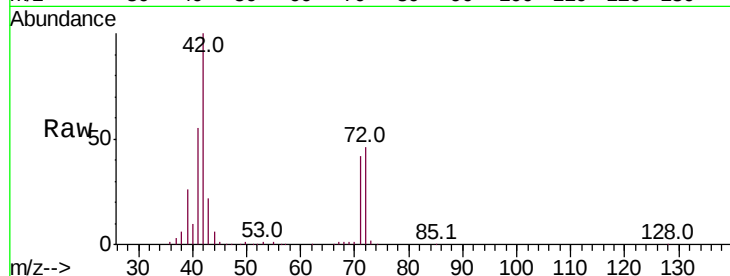
#29
Tetrahydrofuran
Concen: 94.480 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX011136.D
Acq: 29 Jul 2019 11:29

Instrument :
MSVOA_X
ClientSampleId :
VX0729WBS01

Tot Ion:	42	Resp:	80521
Ion Ratio	Lower	Upper	
42	100		
72	50.2	39.8	59.8
71	45.6	37.0	55.4

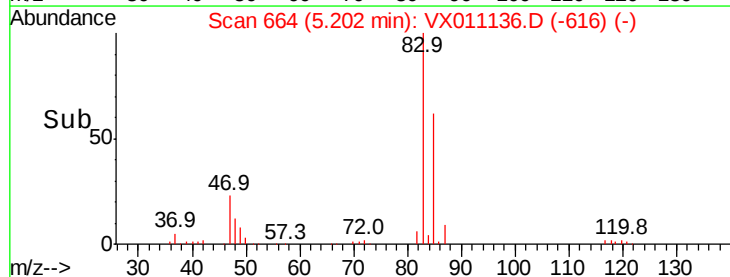
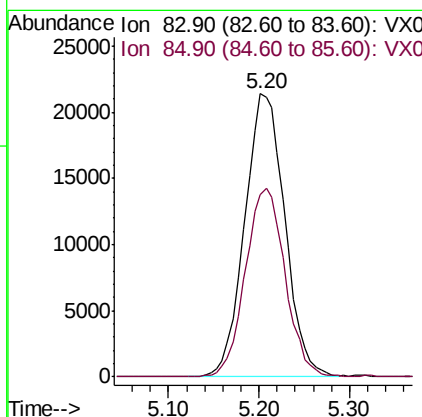
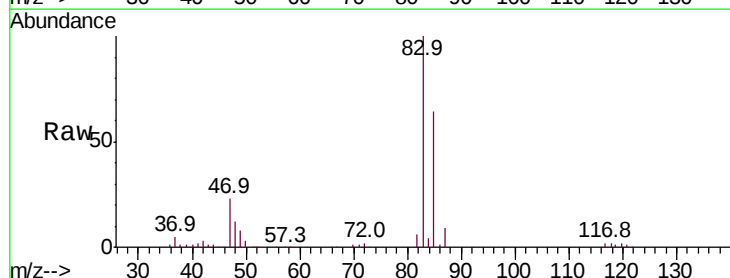
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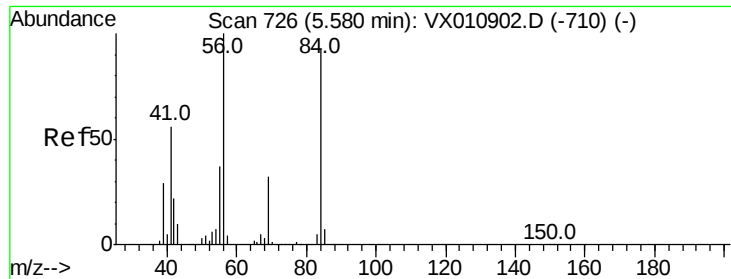
MMDadoda
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#30
Chloroform
Concen: 19.631 ug/l
RT: 5.20 min Scan# 664
Delta R.T. -0.01 min
Lab File: VX011136.D
Acq: 29 Jul 2019 11:29

Tgt Ion:	83	Resp:	65593
Ion Ratio	Lower	Upper	
83	100		
85	63.9	51.4	77.0





#31

Cvclohexane

Concen: 18.830 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX011136.D

Acq: 29 Jul 2019 11:29

Instrument :

MSVOA_X

ClientSampleId :

VX0729WBS01

Tot Ion: 56 Resp: 53056

Ion Ratio Lower Upper

56 100

69 32.5 25.8 38.8

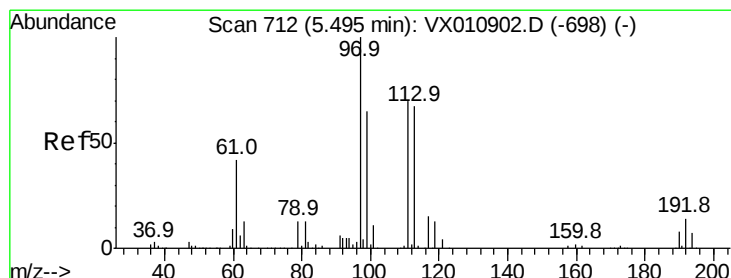
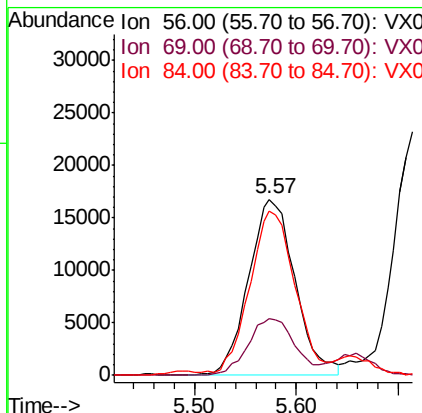
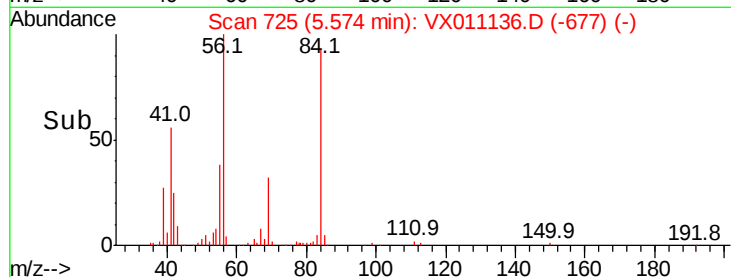
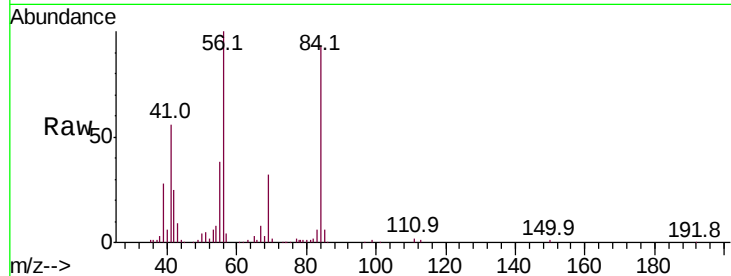
84 91.0 73.8 110.6

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 19.686 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011136.D

Acq: 29 Jul 2019 11:29

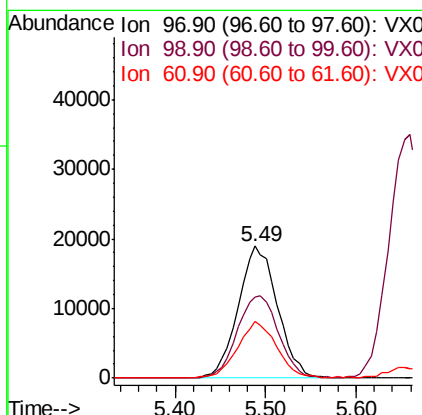
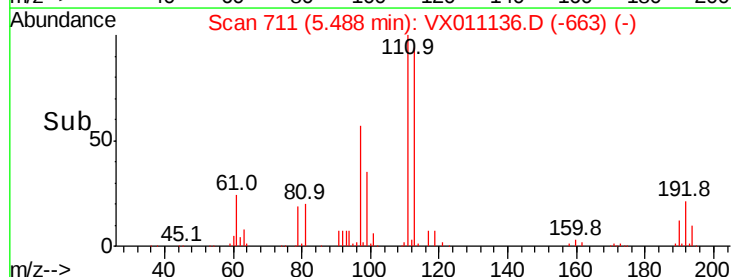
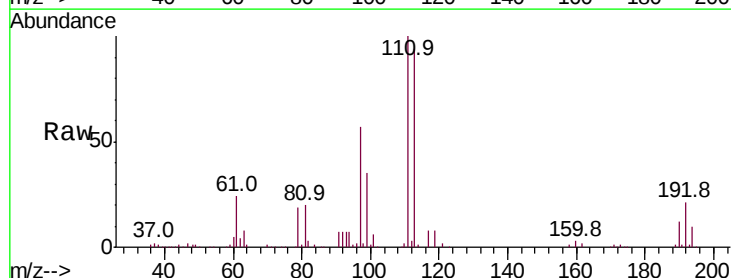
Tgt Ion: 97 Resp: 56908

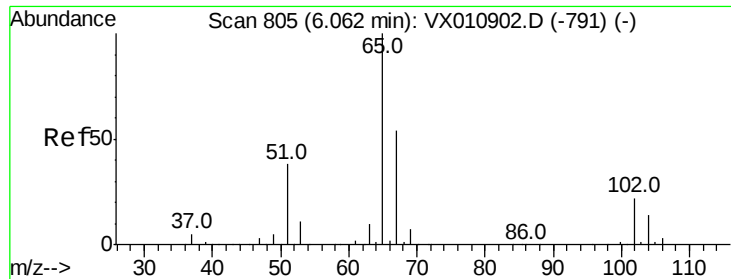
Ion Ratio Lower Upper

97 100

99 65.2 51.4 77.0

61 42.7 33.0 49.6





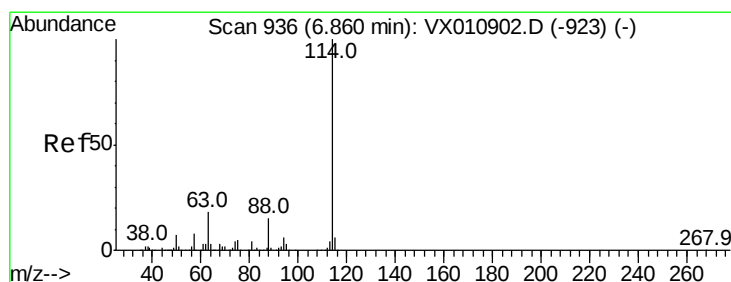
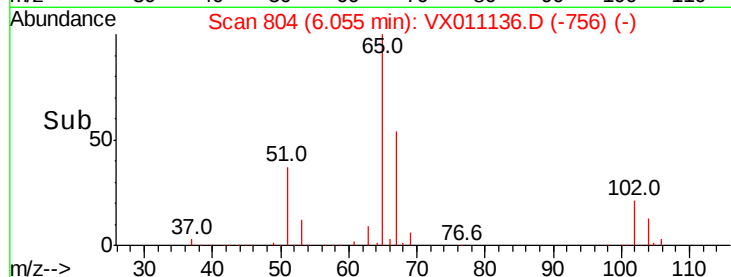
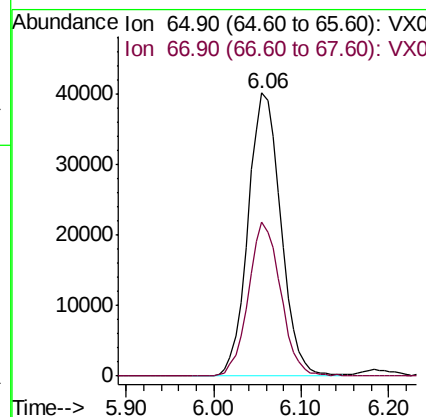
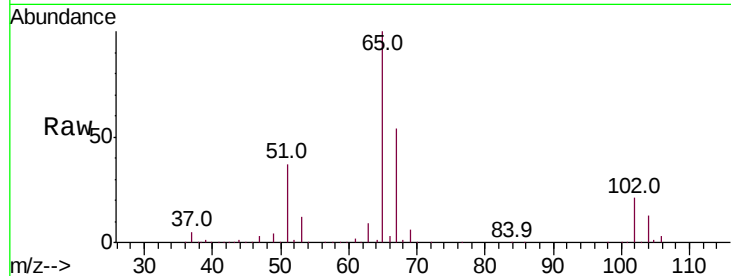
#33
 1,2-Dichloroethane-d4
 Concen: 50.527 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX011136.D
 Acq: 29 Jul 2019 11:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0729WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.4	0.0	107.8	

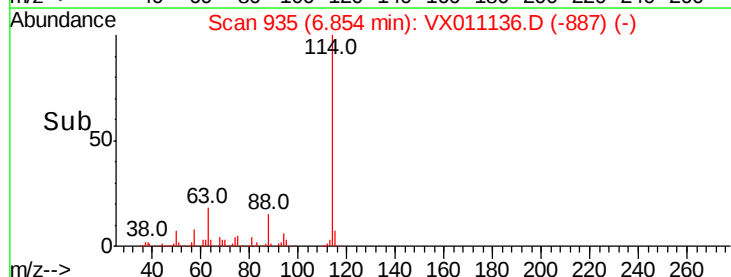
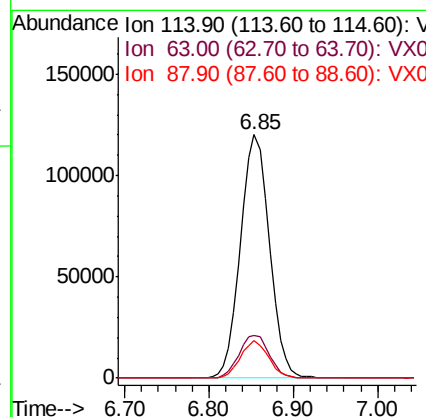
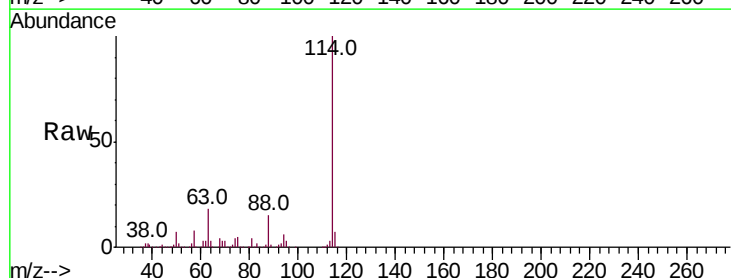
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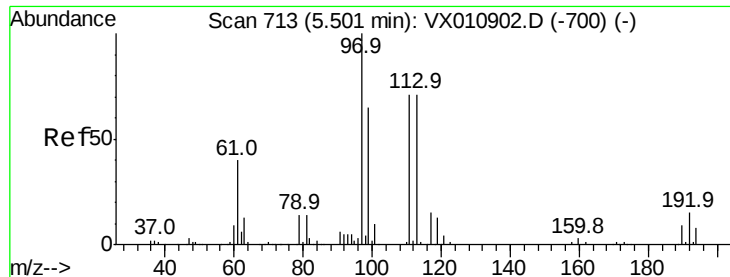
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX011136.D
 Acq: 29 Jul 2019 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.8	0.0	35.6	
88	15.2	0.0	29.8	





#35

Dibromofluoromethane

Concen: 53.382 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX011136.D

Acq: 29 Jul 2019 11:29

Instrument :

MSVOA_X

ClientSampleId :

VX0729WBS01

Tot Ion:113 Resp: 94916

Ion Ratio Lower Upper

113 100

111 103.0 82.3 123.5

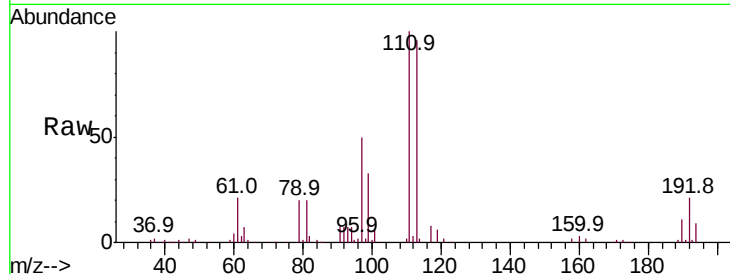
192 22.1 17.4 26.2

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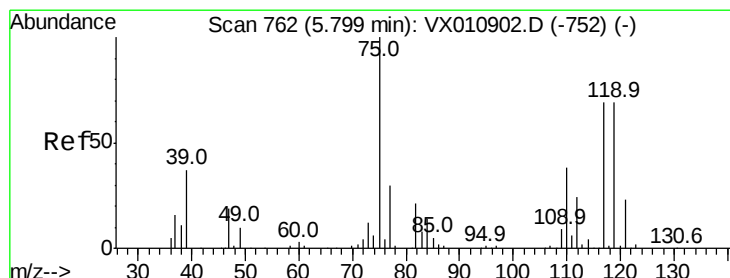
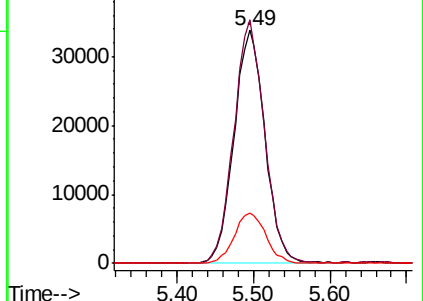
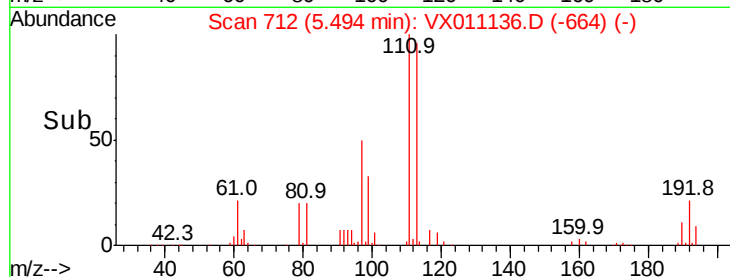
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Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.625 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX011136.D

Acq: 29 Jul 2019 11:29

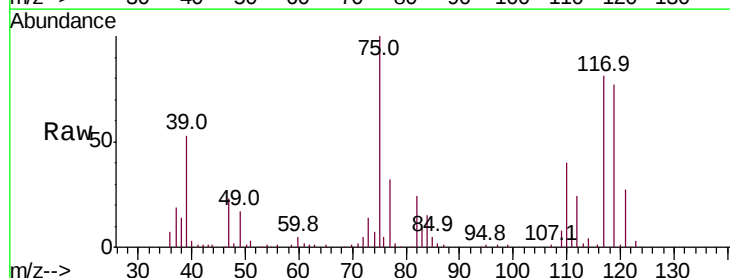
Tgt Ion: 75 Resp: 47460

Ion Ratio Lower Upper

75 100

110 39.3 19.9 59.7

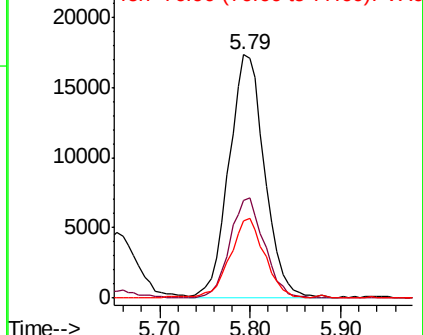
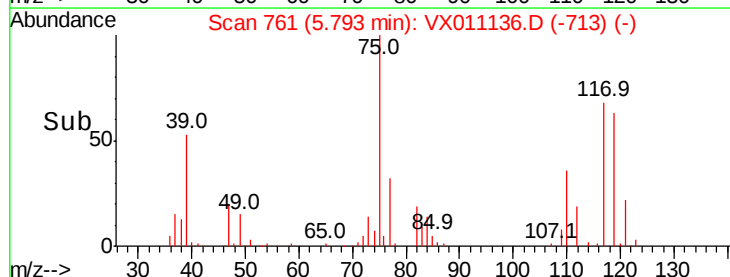
77 31.6 25.0 37.4

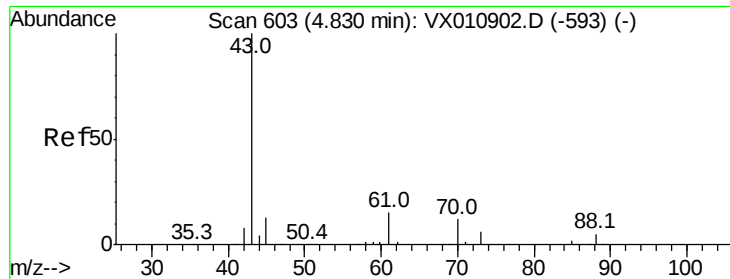


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 19.939 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.00 min

Lab File: VX011136.D

Acq: 29 Jul 2019 11:29

Instrument :

MSVOA_X

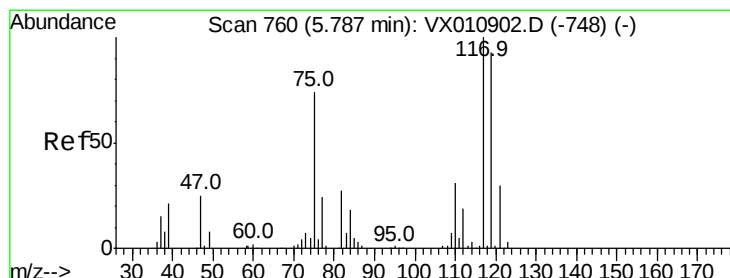
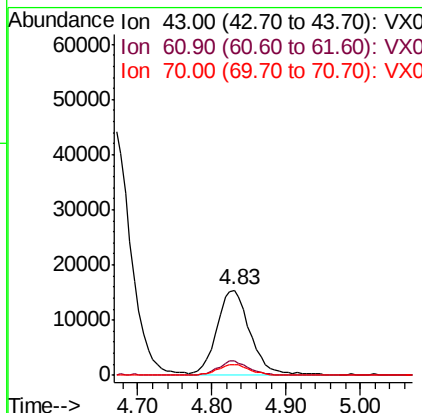
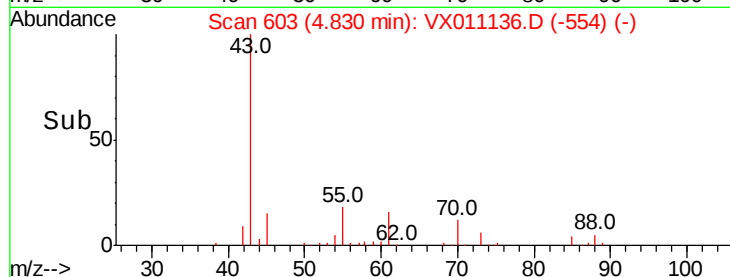
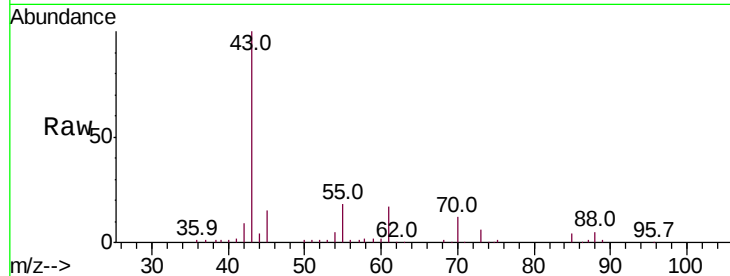
ClientSampleId :

VX0729WBS01

Tot Ion:	43	Resp:	46981
Ion	Ratio	Lower	Upper
43	100		
61	16.0	11.6	17.4
70	12.4	9.1	13.7

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#38

Carbon Tetrachloride

Concen: 20.587 ug/l

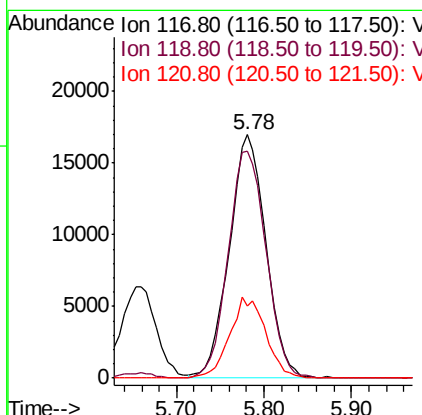
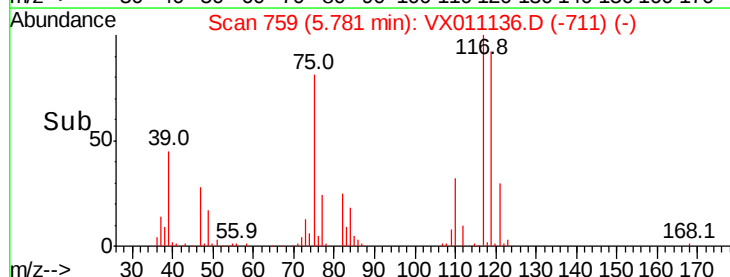
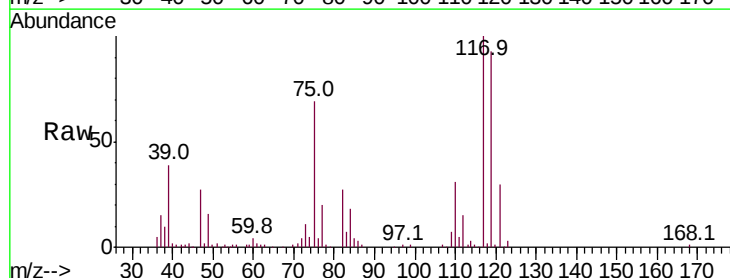
RT: 5.78 min Scan# 759

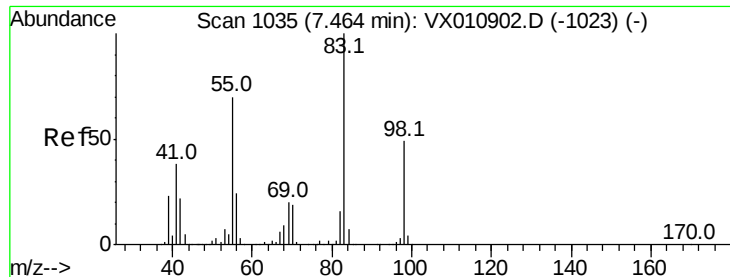
Delta R.T. -0.01 min

Lab File: VX011136.D

Acq: 29 Jul 2019 11:29

Tgt Ion:	117	Resp:	49362
Ion	Ratio	Lower	Upper
117	100		
119	93.3	74.2	111.2
121	29.8	24.2	36.2





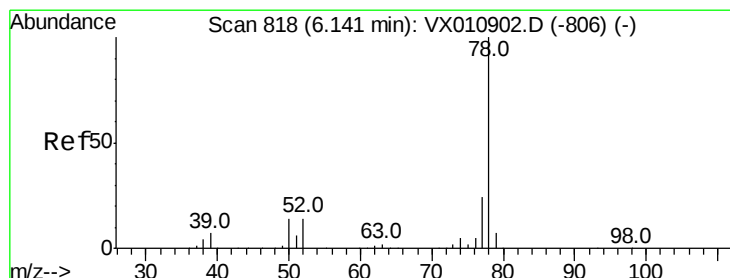
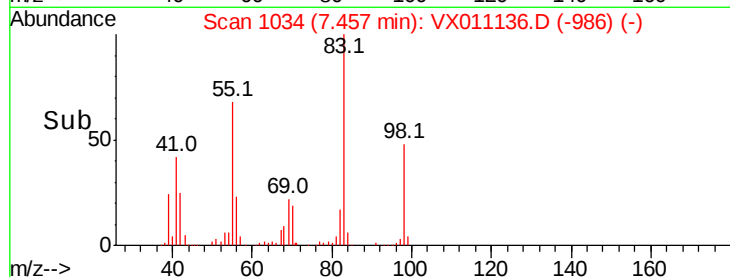
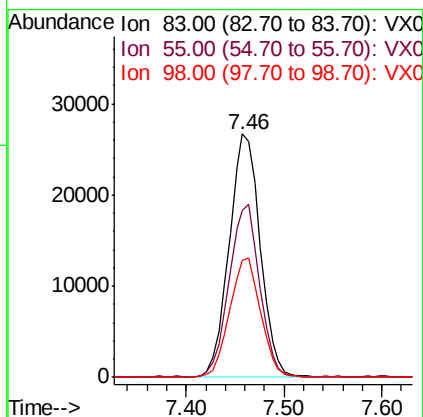
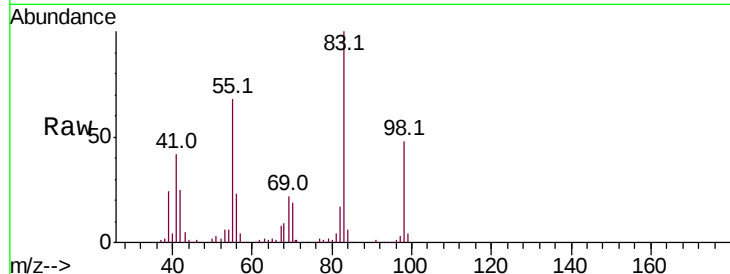
#39
Methvlcvclohexane
Concen: 19.741 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX011136.D
Acq: 29 Jul 2019 11:29

Instrument :
MSVOA_X
ClientSampleId :
VX0729WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.5	56.2	84.4
98	47.9	39.0	58.4

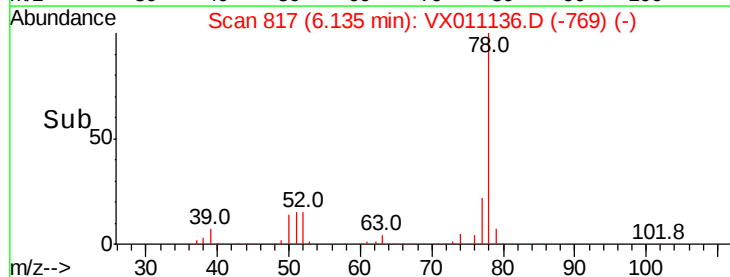
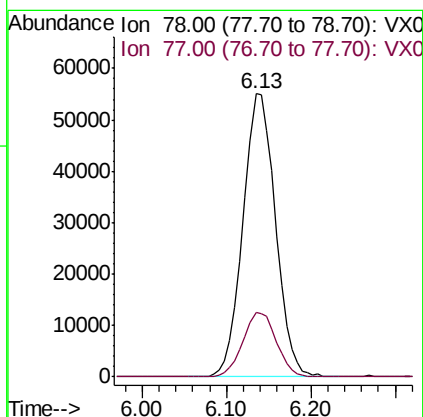
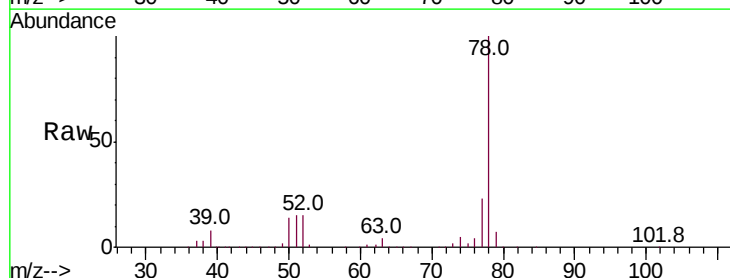
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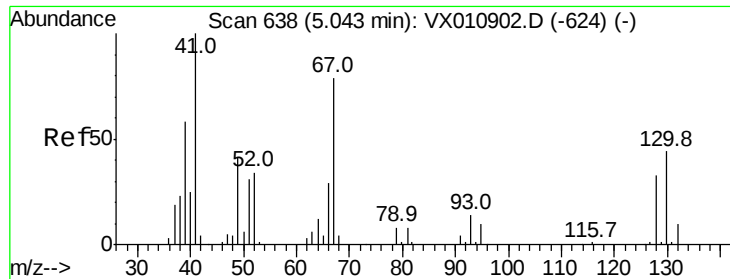
MMDadoda
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#40
Benzene
Concen: 20.448 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX011136.D
Acq: 29 Jul 2019 11:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.0	28.6





#41

Methacrylonitrile

Concen: 19.788 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX011136.D

Acq: 29 Jul 2019 11:29

Instrument :

MSVOA_X

ClientSampleId :

VX0729WBS01

Tot Ion: 41 Resp: 26468

Ion Ratio Lower Upper

41 100

39 55.4 45.4 68.2

67 79.9 65.9 98.9

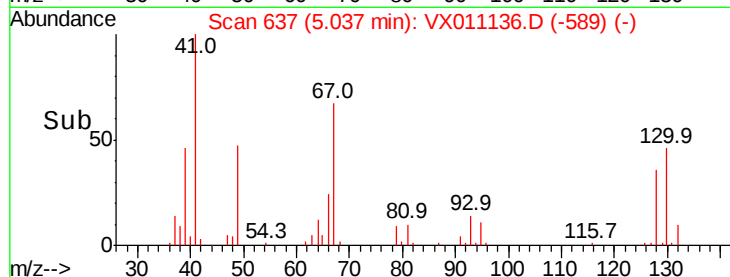
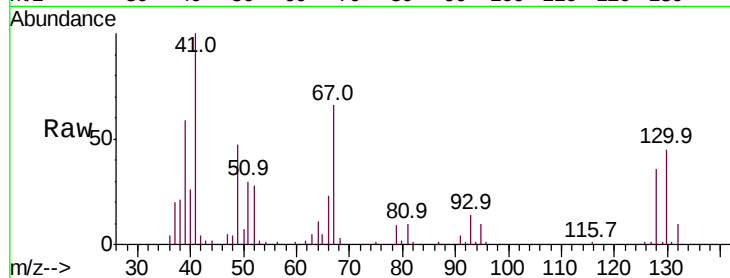
52 34.1 26.2 39.2

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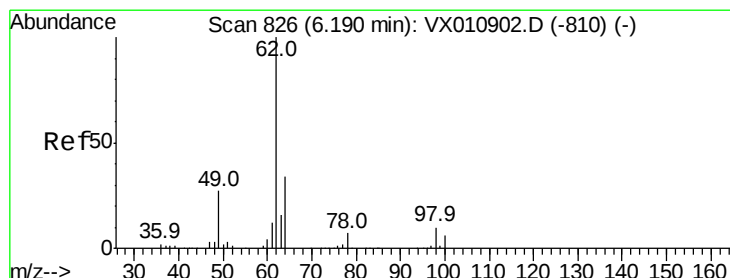
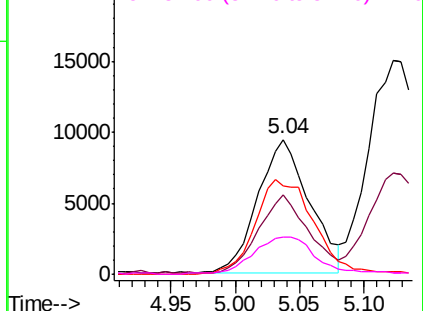


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 20.403 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.00 min

Lab File: VX011136.D

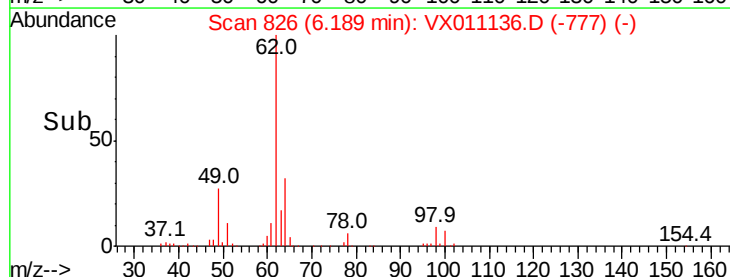
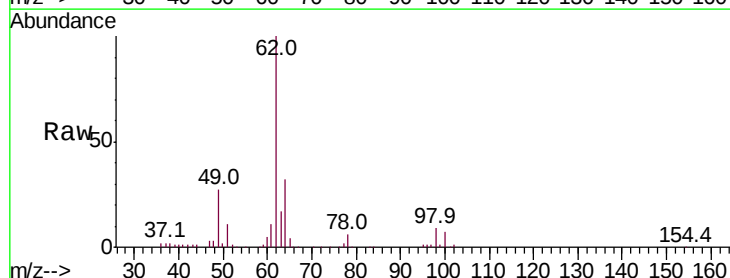
Acq: 29 Jul 2019 11:29

Tgt Ion: 62 Resp: 50002

Ion Ratio Lower Upper

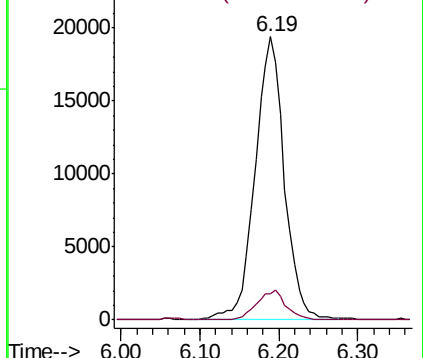
62 100

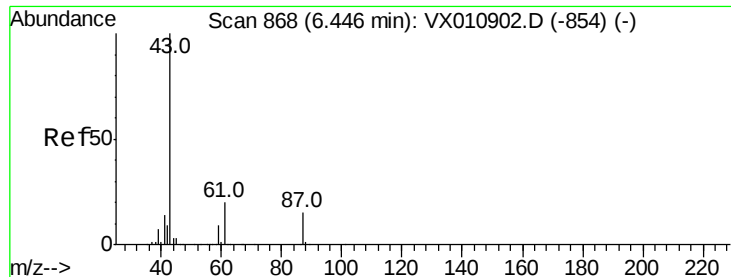
98 10.4 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 19.897 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX011136.D

Acq: 29 Jul 2019 11:29

Instrument :

MSVOA_X

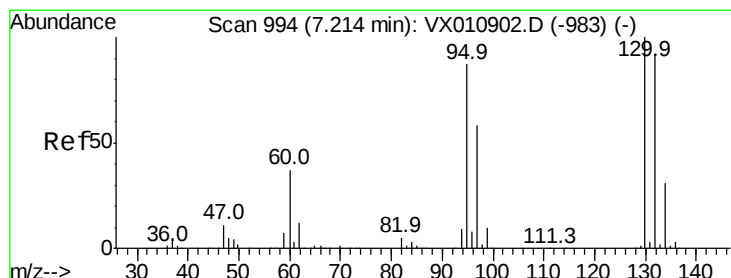
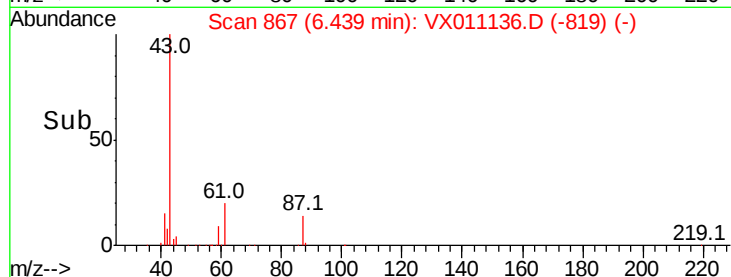
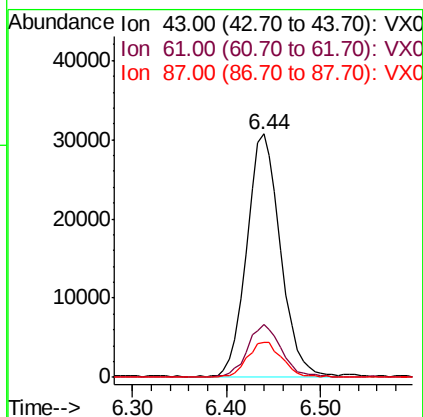
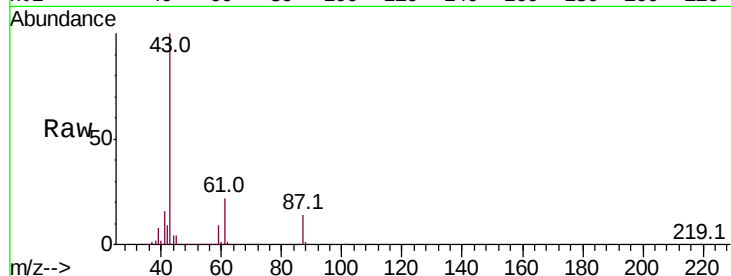
ClientSampleId :

VX0729WBS01

Tot Ion:	43	Resp:	77086
Ion	Ratio	Lower	Upper
43	100		
61	21.9	17.1	25.7
87	15.1	12.0	18.0

Manual Integrations
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#44

Trichloroethene

Concen: 19.751 ug/l

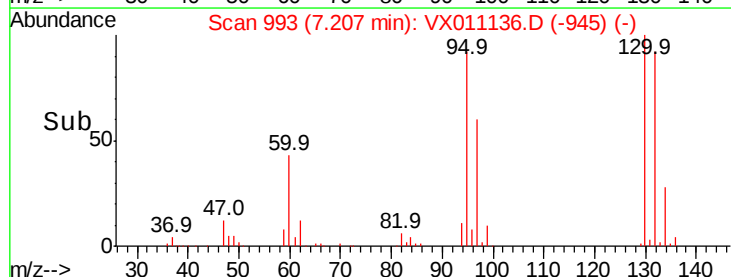
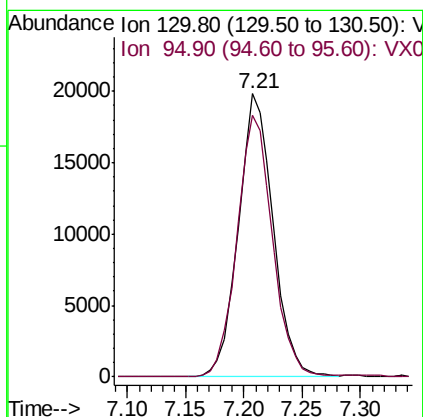
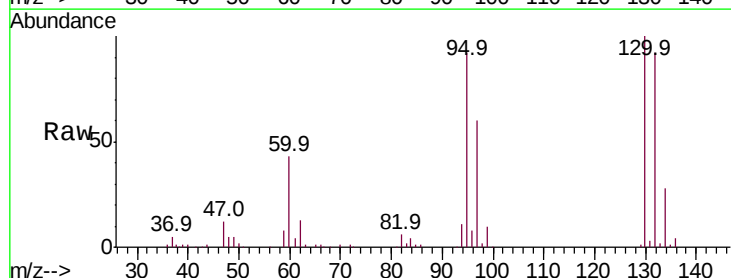
RT: 7.21 min Scan# 993

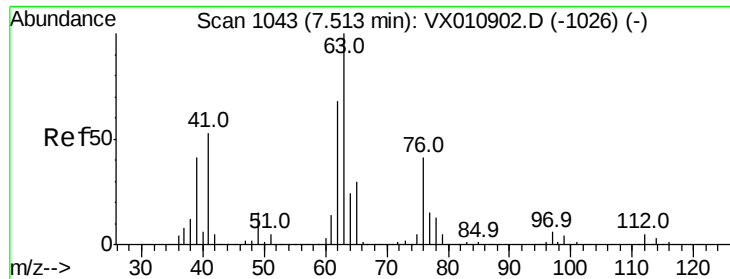
Delta R.T. -0.01 min

Lab File: VX011136.D

Acq: 29 Jul 2019 11:29

Tgt Ion:	130	Resp:	41209
Ion	Ratio	Lower	Upper
130	100		
95	92.5	0.0	174.8





#45

1,2-Dichloropropane

Concen: 20.608 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX011136.D

Acq: 29 Jul 2019 11:29

Instrument :

MSVOA_X

ClientSampleId :

VX0729WBS01

Tot Ion: 63 Resp: 36971

Ion Ratio Lower Upper

63 100

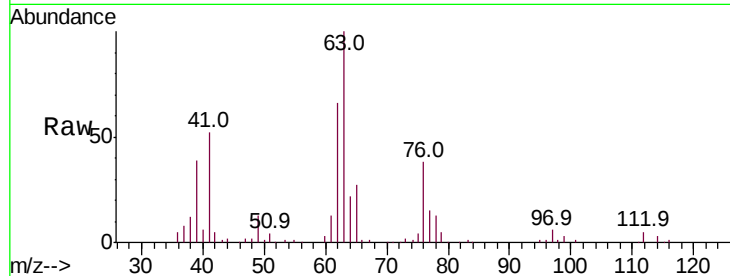
65 27.5 24.4 36.6

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

20000

15000

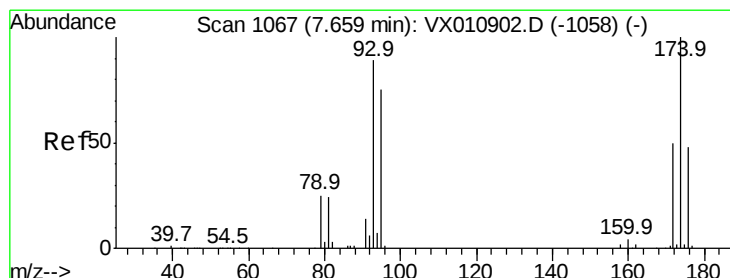
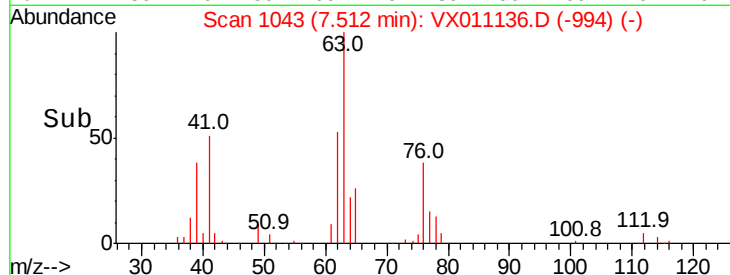
10000

5000

0

7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 20.480 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX011136.D

Acq: 29 Jul 2019 11:29

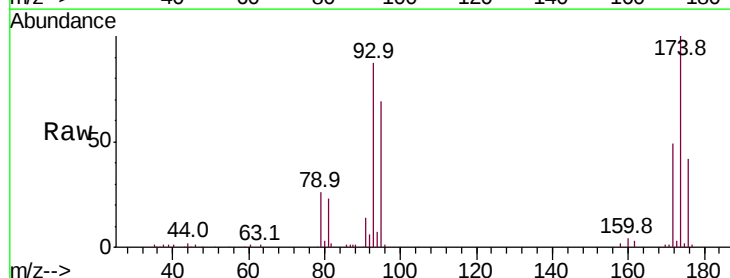
Tgt Ion: 93 Resp: 26254

Ion Ratio Lower Upper

93 100

95 86.0 67.2 100.8

174 113.8 90.6 135.8



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

20000

15000

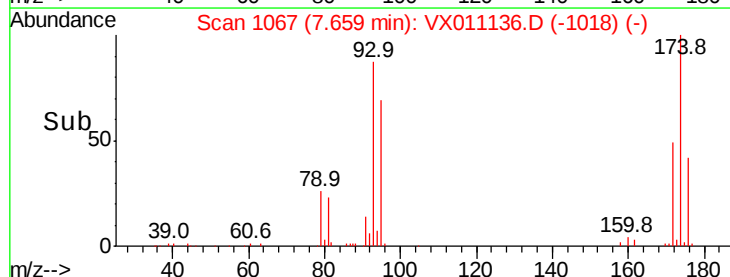
10000

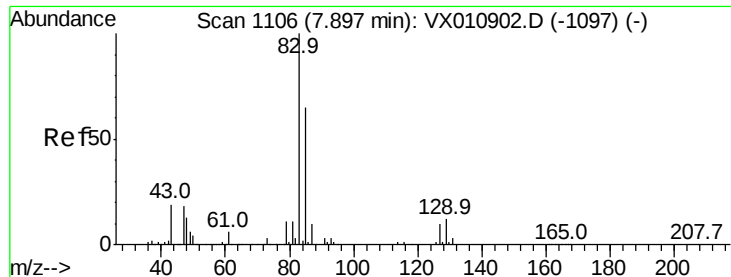
5000

0

7.55 7.60 7.65 7.70 7.75

Time-->





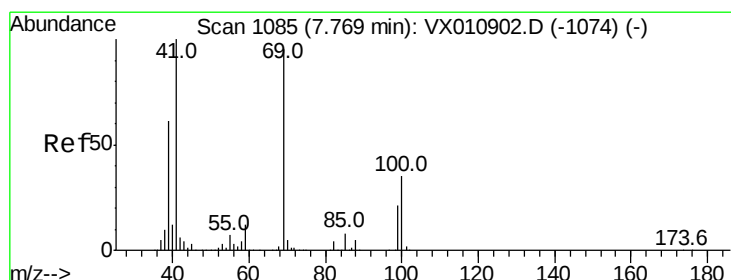
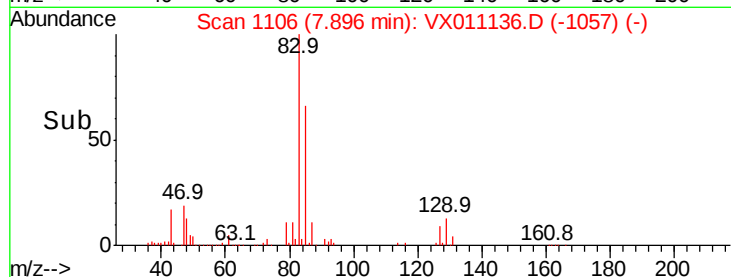
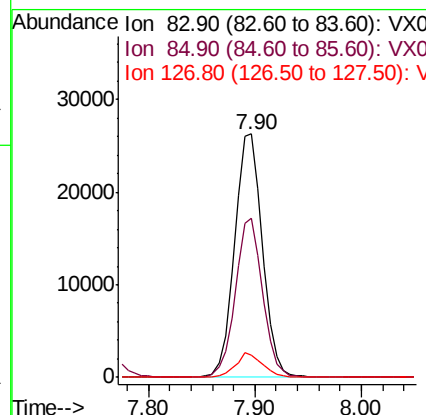
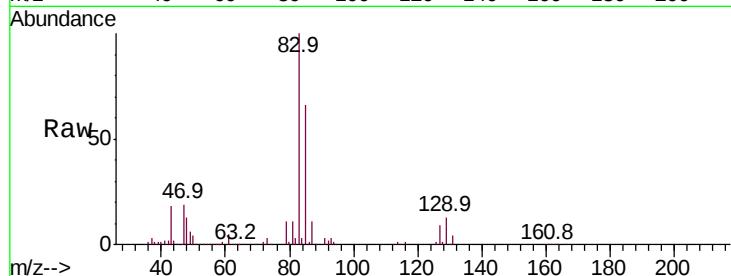
#47
 Bromodichloromethane
 Concen: 21.166 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. -0.00 min
 Lab File: VX011136.D
 Acq: 29 Jul 2019 11:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0729WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.5	78.7
127	9.2	7.8	11.8

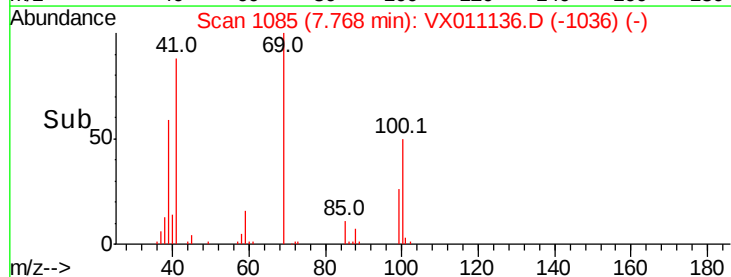
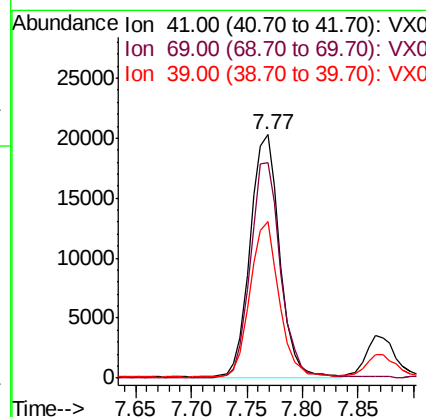
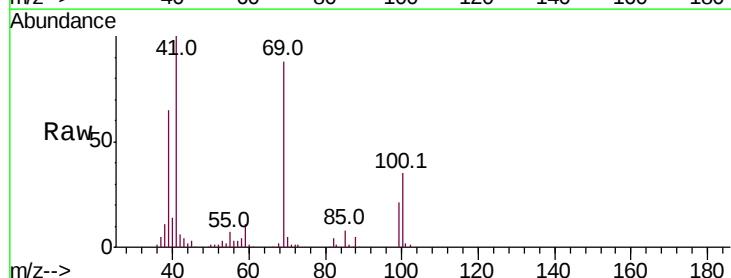
Manual Integrations
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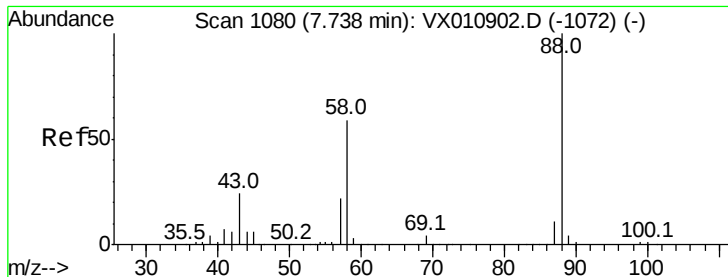
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 7/30/2019 11:08:58 AM



#48
 Methyl methacrylate
 Concen: 19.750 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX011136.D
 Acq: 29 Jul 2019 11:29

Tgt Ion	Ratio	Lower	Upper
41	100		
69	91.2	74.4	111.6
39	62.7	48.9	73.3





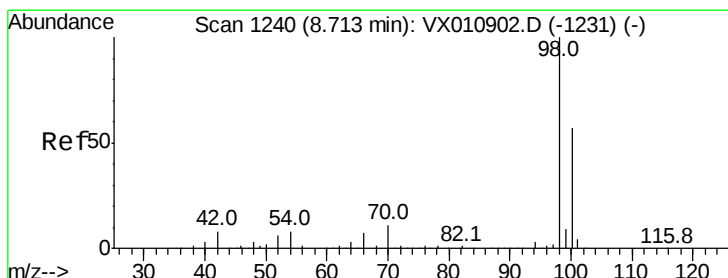
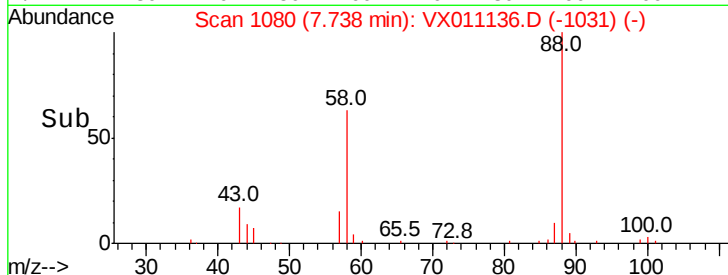
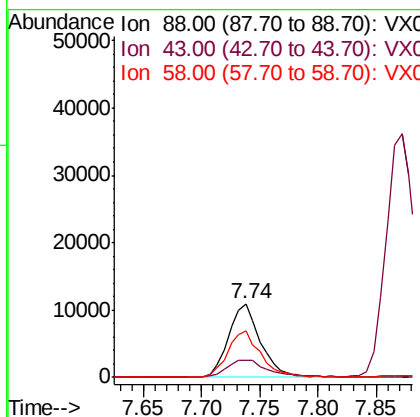
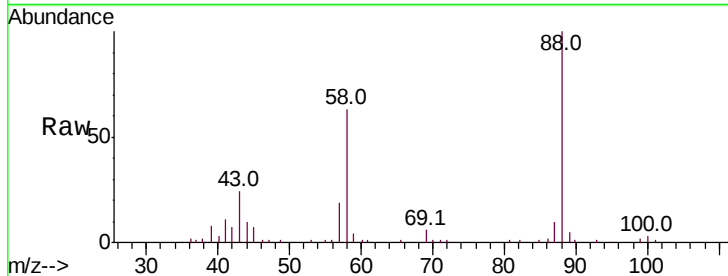
#49
1,4-Dioxane
Concen: 397.280 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX011136.D
Acq: 29 Jul 2019 11:29

Instrument :
MSVOA_X
ClientSampleId :
VX0729WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.3	22.9	34.3
58	64.3	49.8	74.8

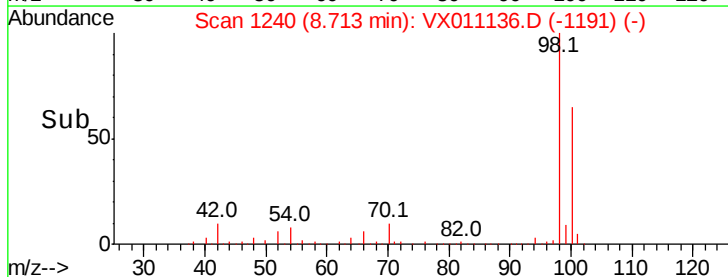
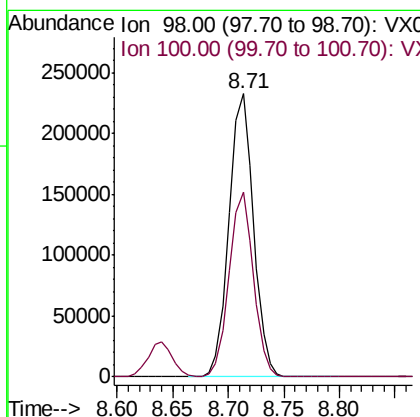
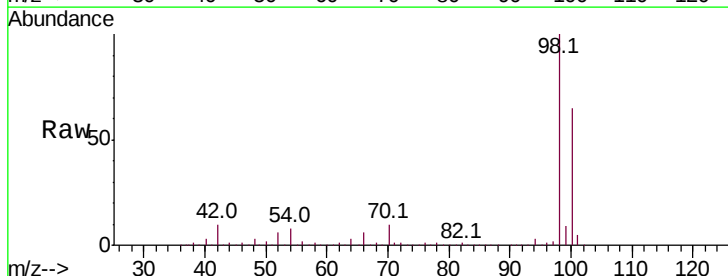
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#50
Toluene-d8
Concen: 53.331 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011136.D
Acq: 29 Jul 2019 11:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	50.6	75.8





#51

4-Methyl-2-Pentanone

Concen: 103.548 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX011136.D

Acq: 29 Jul 2019 11:29

Instrument :

MSVOA_X

ClientSampleId :

VX0729WBS01

Tot Ion: 43 Resp: 260057

Ion Ratio Lower Upper

43 100

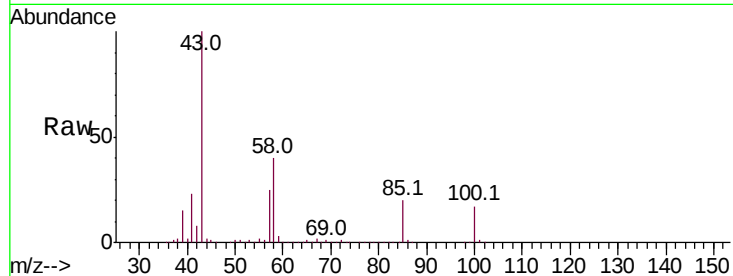
58 40.0 32.2 48.4

Manual Integrations

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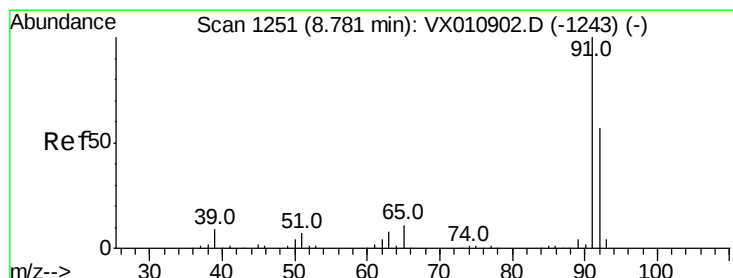
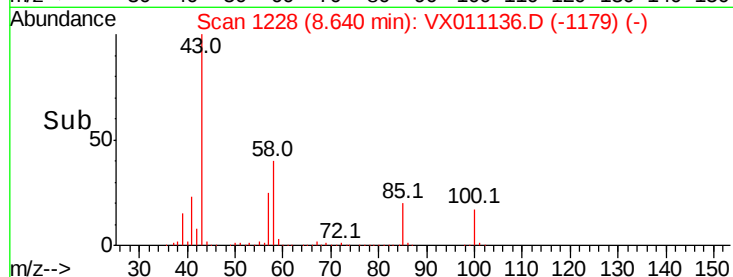
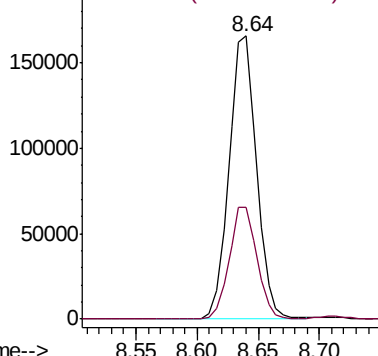
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.359 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX011136.D

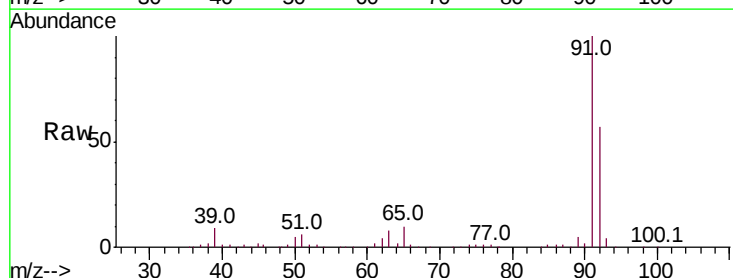
Acq: 29 Jul 2019 11:29

Tgt Ion: 92 Resp: 94269

Ion Ratio Lower Upper

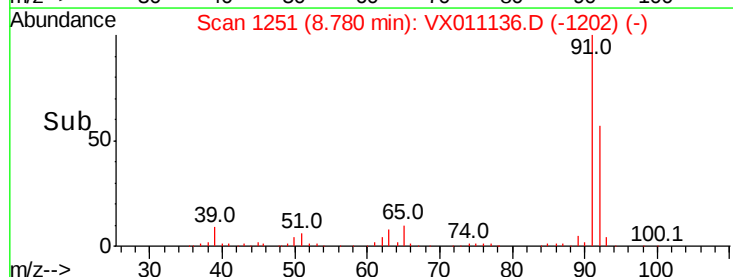
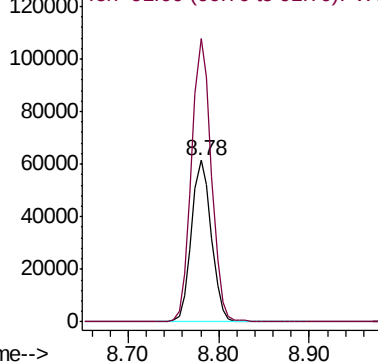
92 100

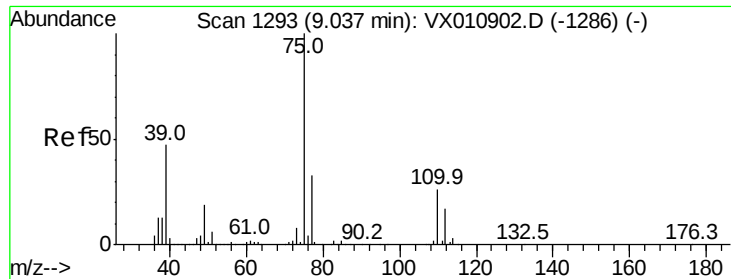
91 174.7 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





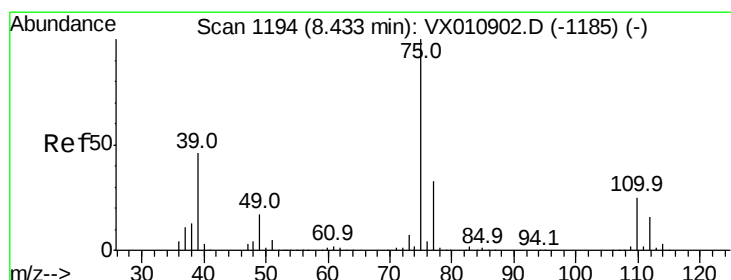
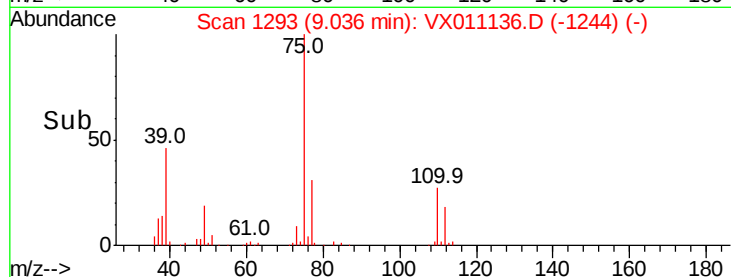
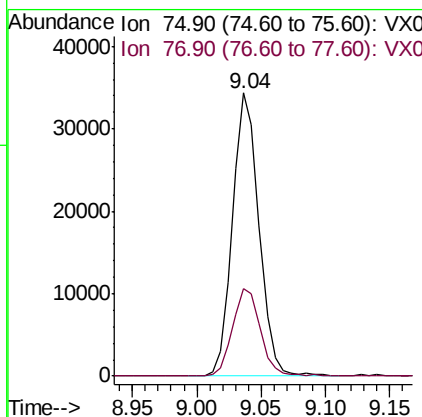
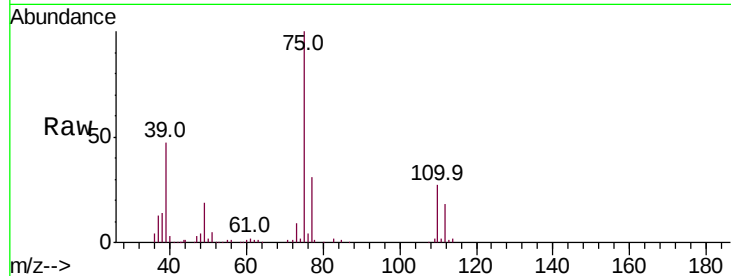
#53
t-1,3-Dichloropropene
Concen: 20.165 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VX011136.D
Acq: 29 Jul 2019 11:29

Instrument :
MSVOA_X
ClientSampleId :
VX0729WBS01

Tot Ion: 75 Resp: 49478
Ion Ratio Lower Upper
75 100
77 30.9 26.2 39.2

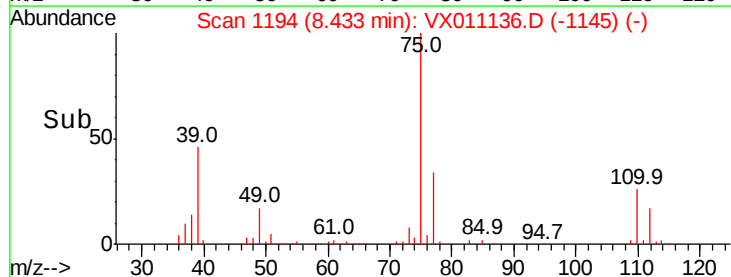
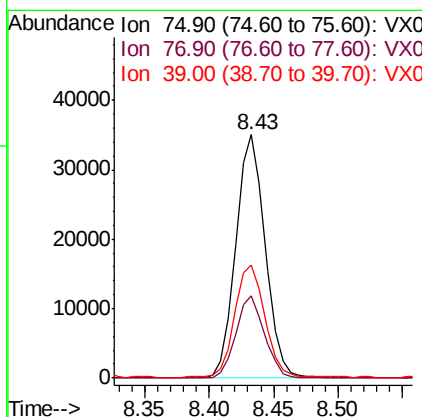
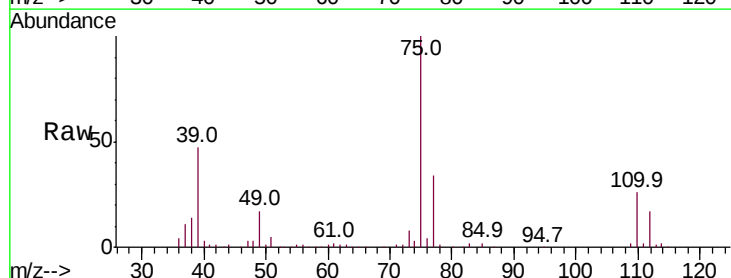
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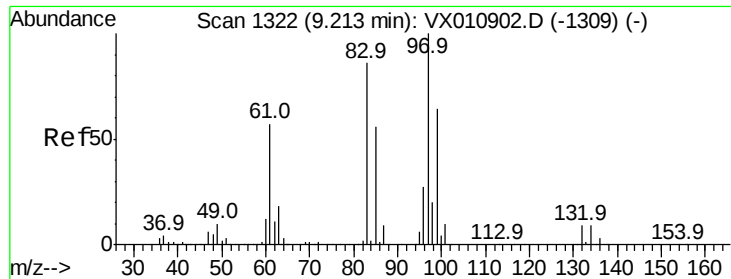
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#54
cis-1,3-Dichloropropene
Concen: 20.270 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX011136.D
Acq: 29 Jul 2019 11:29

Tgt Ion: 75 Resp: 55342
Ion Ratio Lower Upper
75 100
77 33.6 26.1 39.1
39 46.0 36.6 54.8





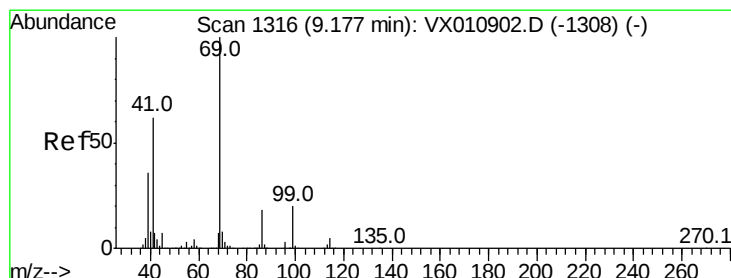
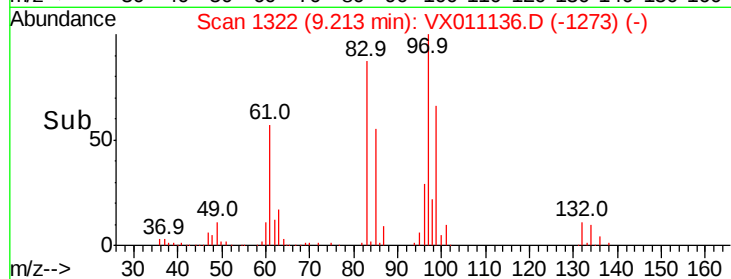
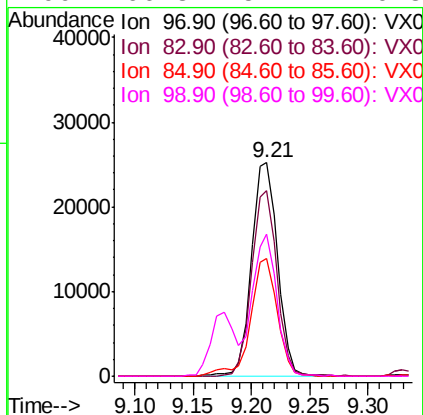
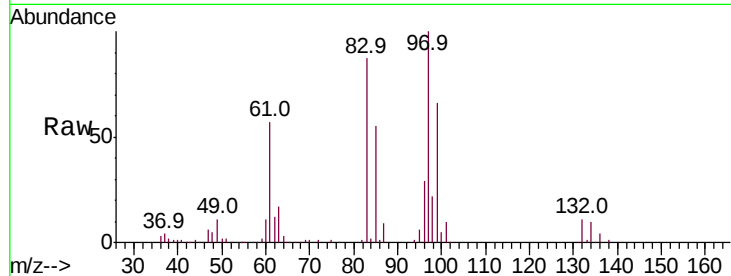
#55
1,1,2-Trichloroethane
Concen: 20.700 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX011136.D
Acq: 29 Jul 2019 11:29

Instrument :
MSVOA_X
ClientSampleId :
VX0729WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.8	69.2	103.8
85	55.4	44.6	66.8
99	66.3	51.2	76.8

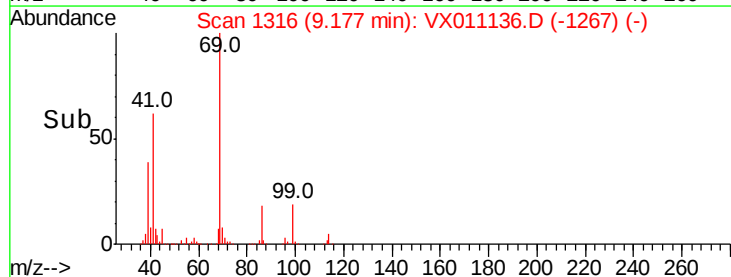
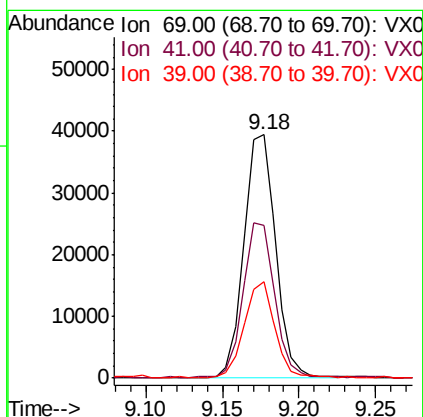
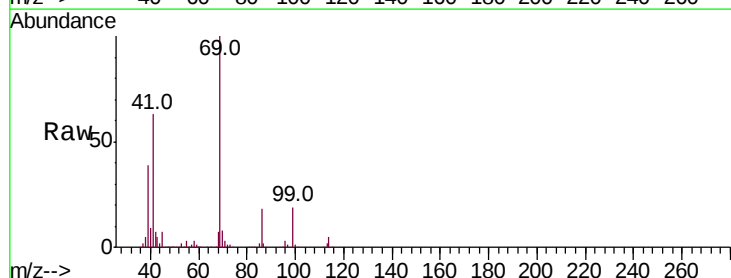
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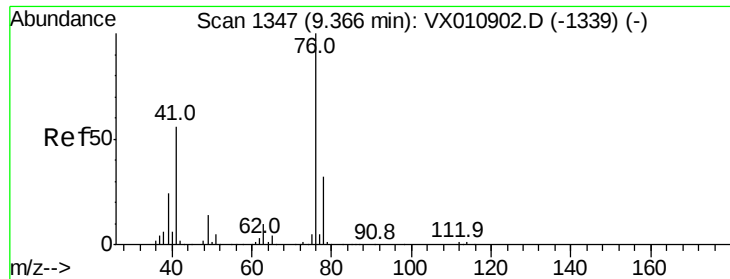
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#56
Ethyl methacrylate
Concen: 20.437 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VX011136.D
Acq: 29 Jul 2019 11:29

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.7	49.7	74.5
39	37.3	29.6	44.4





#57

1,3-Dichloropropane

Concen: 20.752 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VX011136.D

Acq: 29 Jul 2019 11:29

Instrument :

MSVOA_X

ClientSampleId :

VX0729WBS01

Tot Ion: 76 Resp: 62765

Ion Ratio Lower Upper

76 100

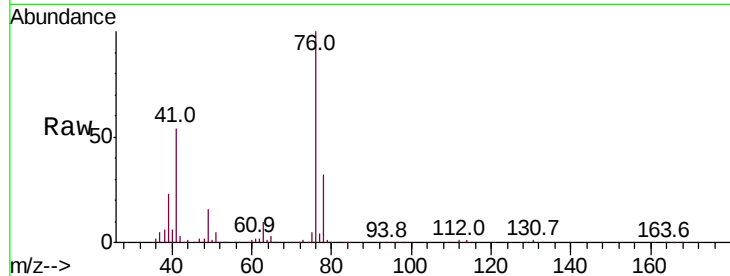
78 32.4 25.6 38.4

Manual Integrations

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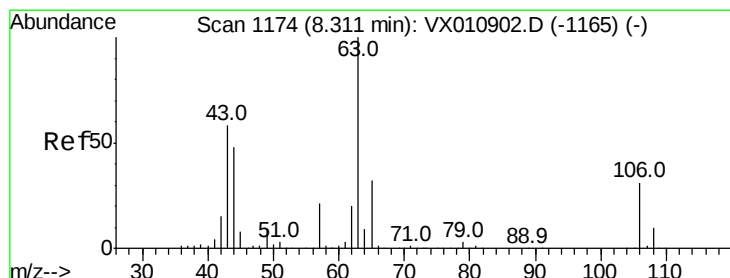
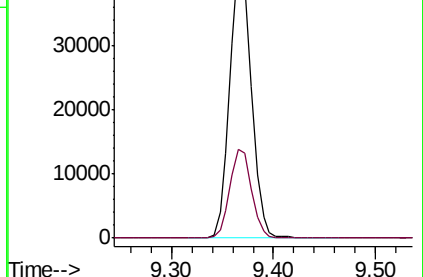
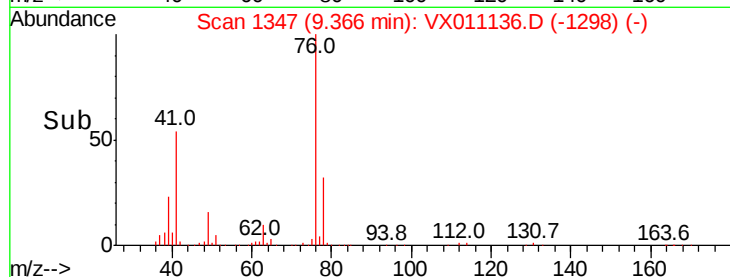


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 104.149 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX011136.D

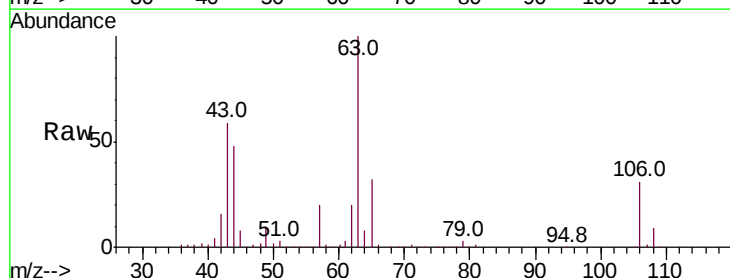
Acq: 29 Jul 2019 11:29

Tgt Ion: 63 Resp: 138651

Ion Ratio Lower Upper

63 100

106 30.5 24.0 36.0

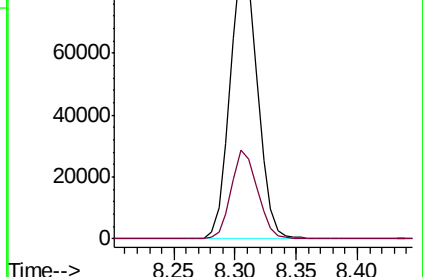
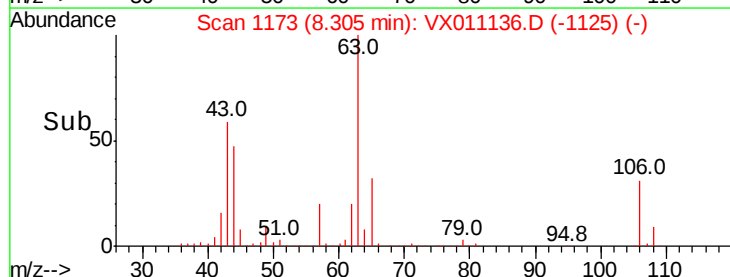


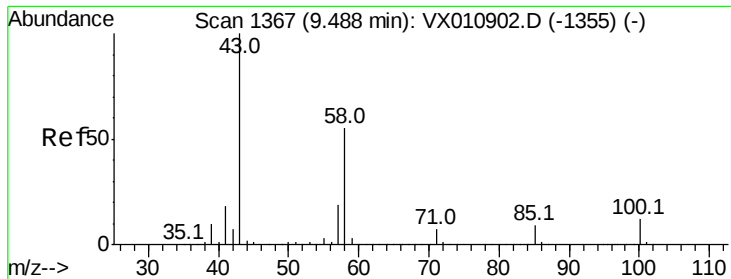
Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.30

Time-->





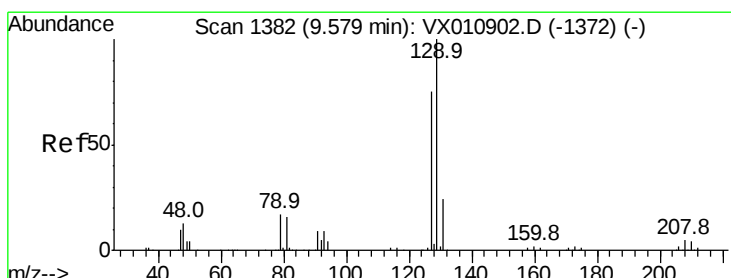
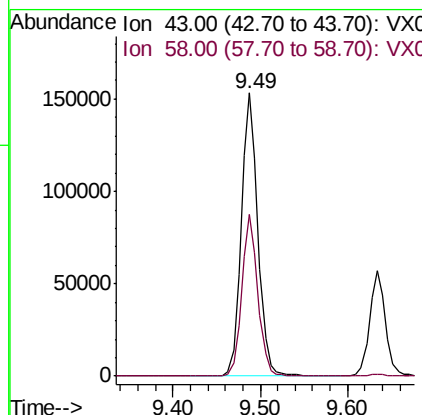
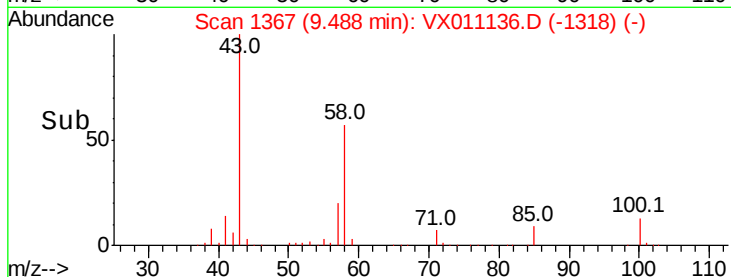
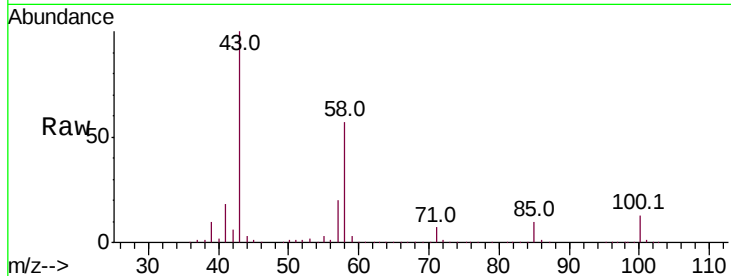
#59
2-Hexanone
Concen: 104.110 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX011136.D
Acq: 29 Jul 2019 11:29

Instrument :
MSVOA_X
ClientSampleId :
VX0729WBS01

Tot Ion: 43 Resp: 202800
Ion Ratio Lower Upper
43 100
58 55.4 28.0 83.9

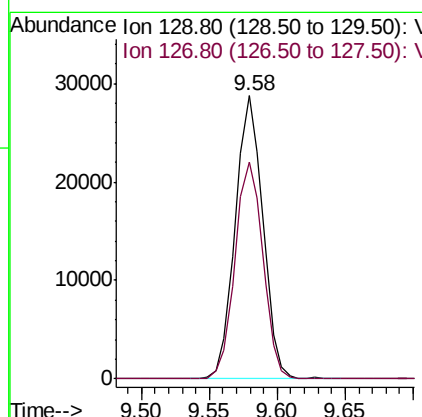
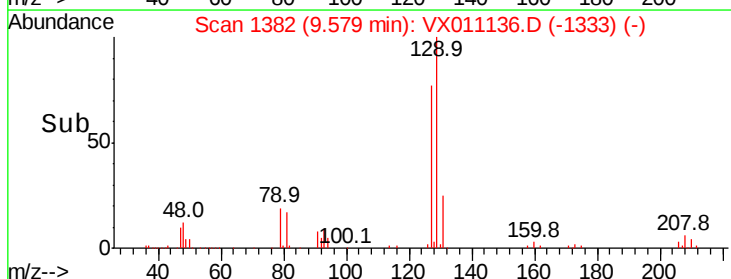
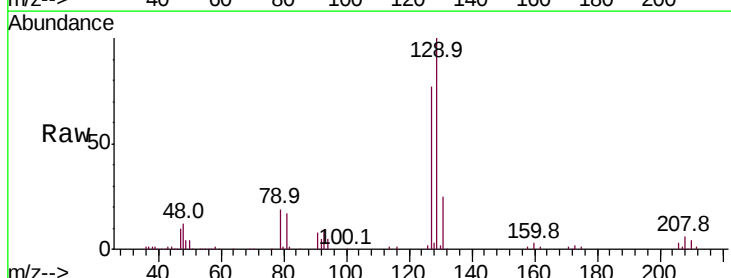
Manual Integrations
APPROVED

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#60
Dibromochloromethane
Concen: 20.199 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011136.D
Acq: 29 Jul 2019 11:29

Tgt Ion:129 Resp: 40838
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.643 ug/l

RT: 9.66 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VX011136.D

Acq: 29 Jul 2019 11:29

Instrument :

MSVOA_X

ClientSampleId :

VX0729WBS01

Tot Ion:107 Resp: 41768

Ion Ratio Lower Upper

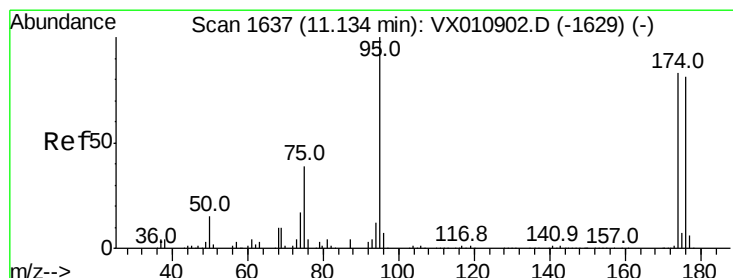
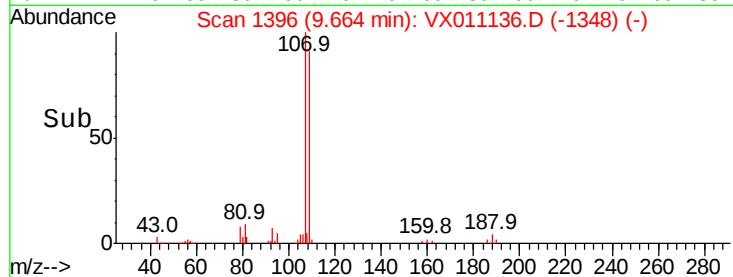
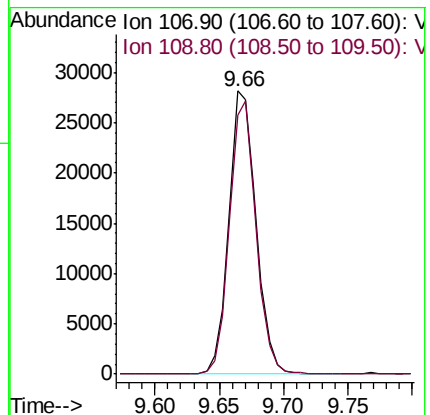
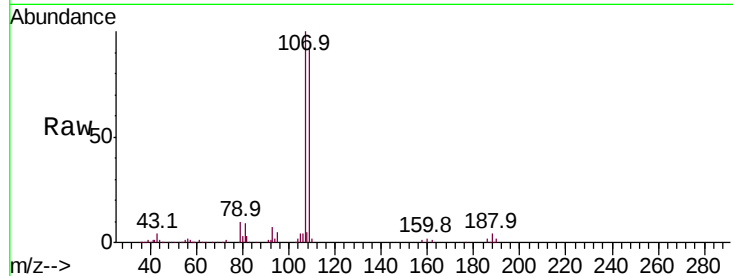
107 100

109 94.3 75.4 113.0

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 53.693 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011136.D

Acq: 29 Jul 2019 11:29

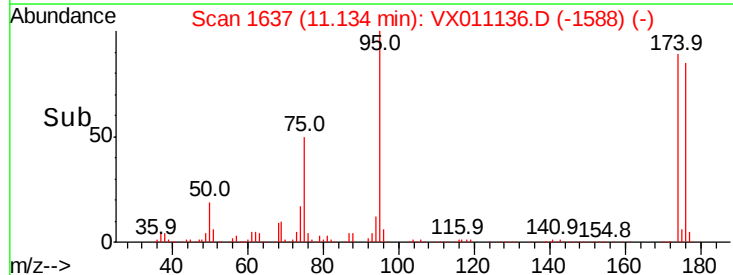
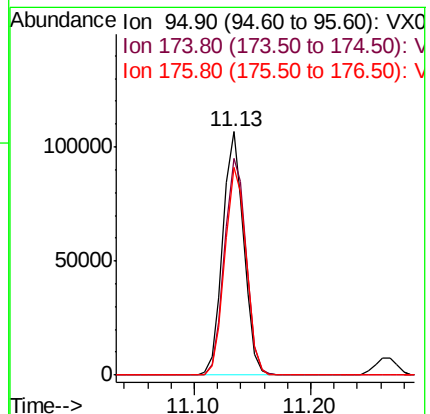
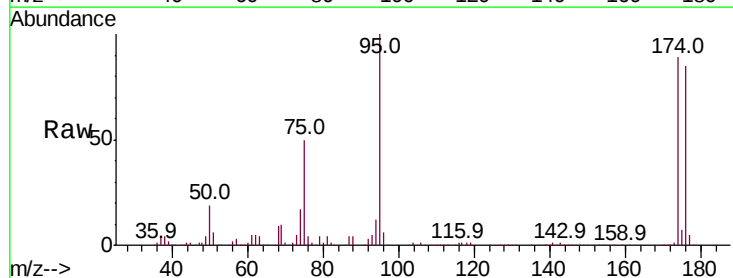
Tgt Ion: 95 Resp: 131616

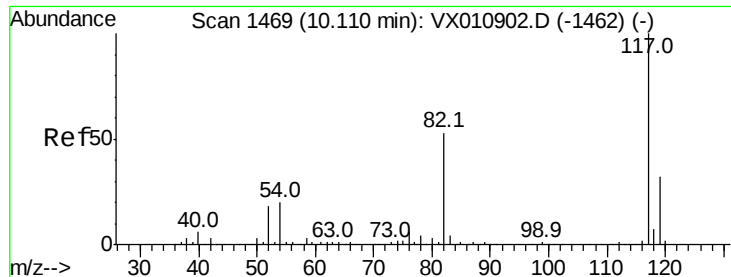
Ion Ratio Lower Upper

95 100

174 92.6 0.0 180.6

176 88.1 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: VX011136.D

Acq: 29 Jul 2019 11:29

Instrument :

MSVOA_X

ClientSampleId :

VX0729WBS01

Tot Ion:117 Resp: 258909

Ion Ratio Lower Upper

117 100

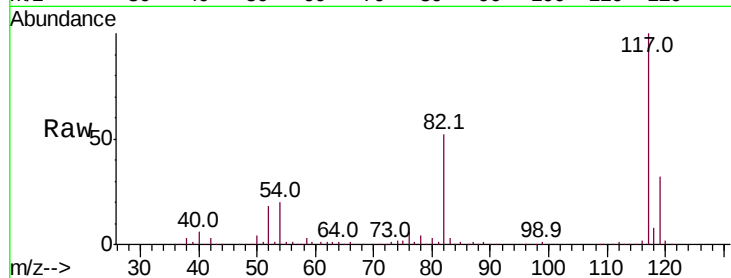
82 52.1 42.6 63.8

119 32.5 25.9 38.9

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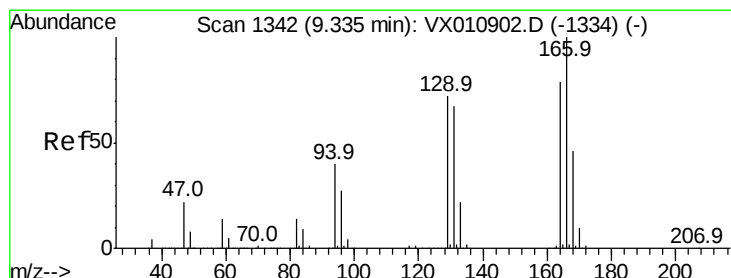
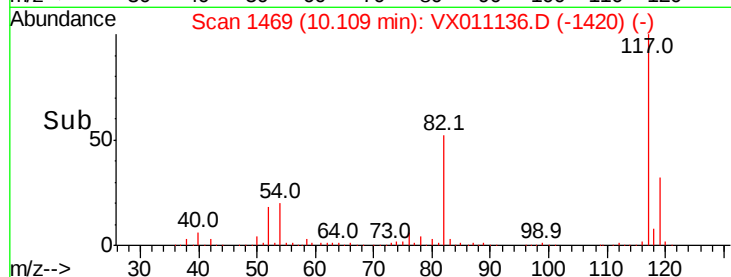
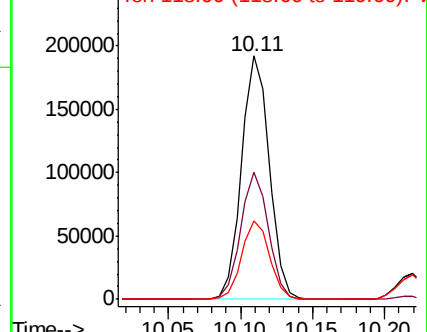


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 20.952 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX011136.D

Acq: 29 Jul 2019 11:29

Tgt Ion:164 Resp: 42674

Ion Ratio Lower Upper

164 100

166 121.7 100.8 151.2

129 85.9 72.6 109.0

131 82.6 67.7 101.5

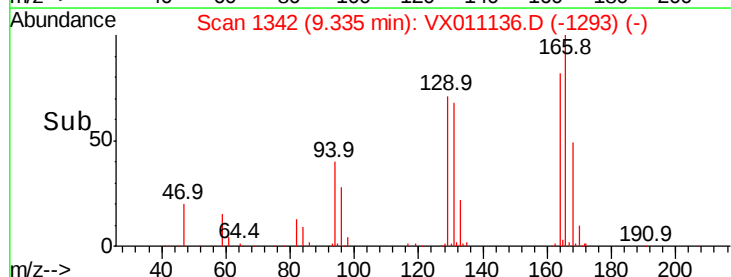
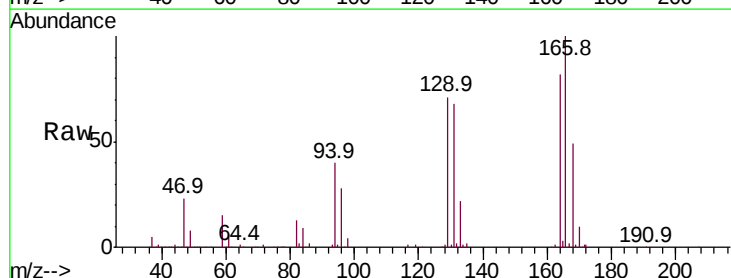
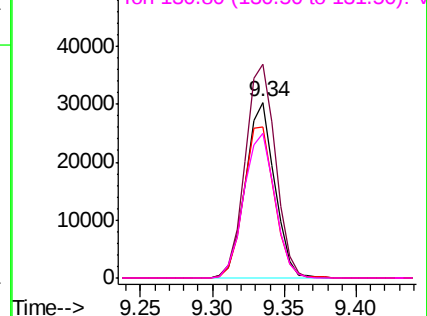
Abundance

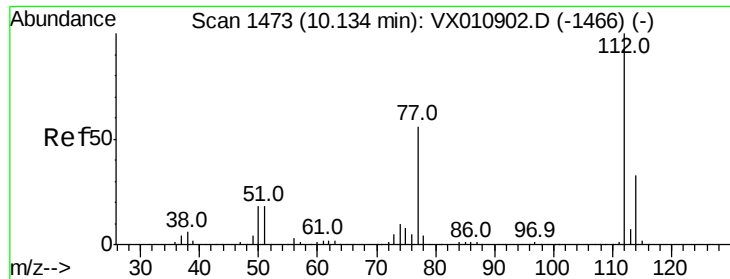
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.566 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX011136.D

Acq: 29 Jul 2019 11:29

Instrument :

MSVOA_X

ClientSampleId :

VX0729WBS01

Tot Ion:112 Resp: 109364

Ion Ratio Lower Upper

112 100

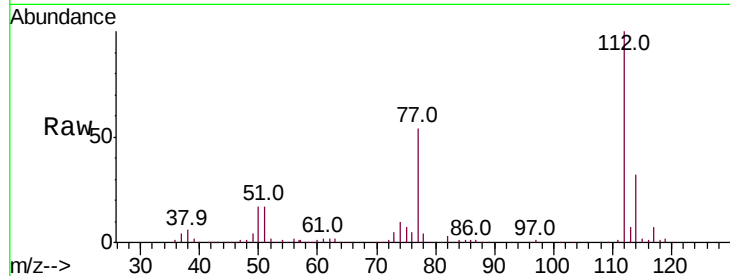
114 32.3 26.2 39.4

Manual Integrations

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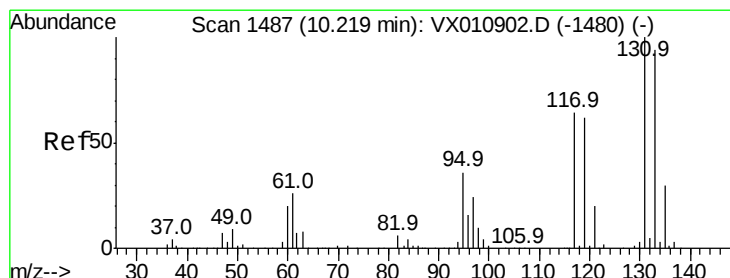
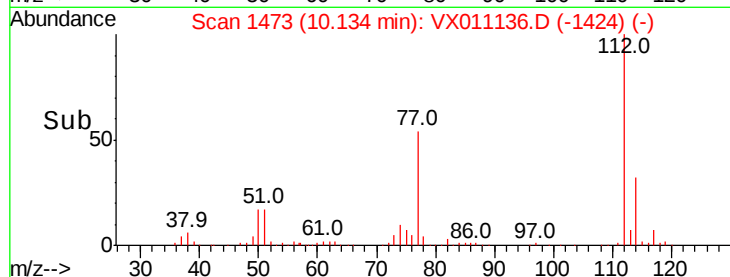
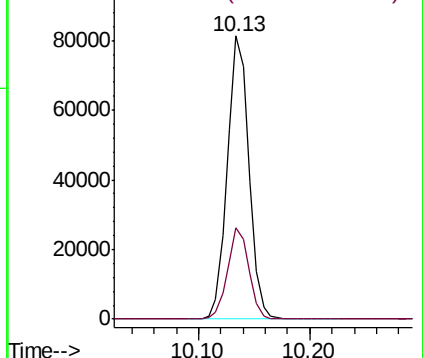
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.790 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX011136.D

Acq: 29 Jul 2019 11:29

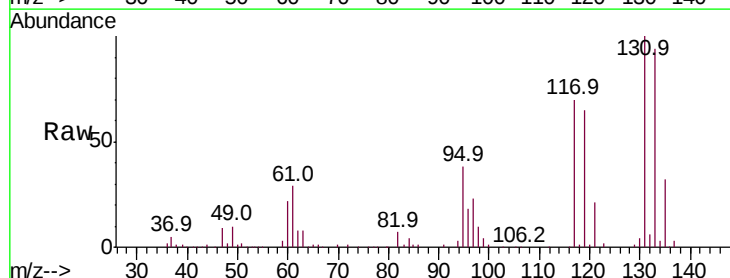
Tgt Ion:131 Resp: 38855

Ion Ratio Lower Upper

131 100

133 95.1 47.1 141.4

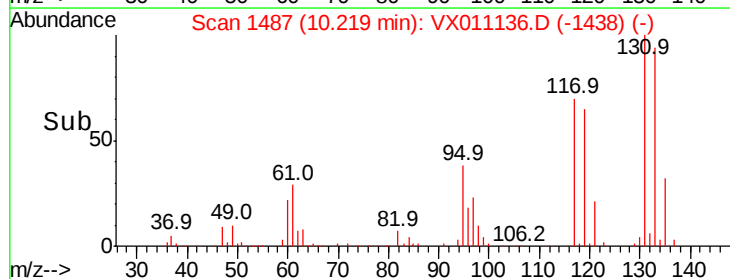
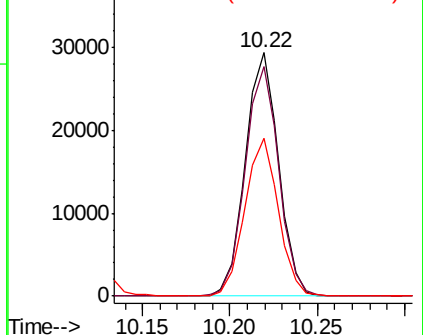
119 65.3 31.9 95.7

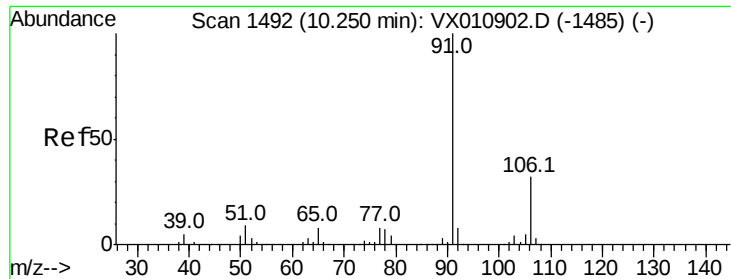


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





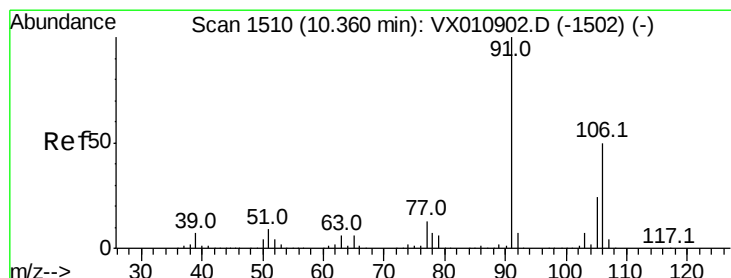
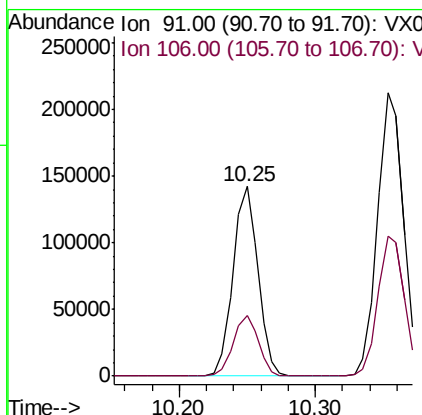
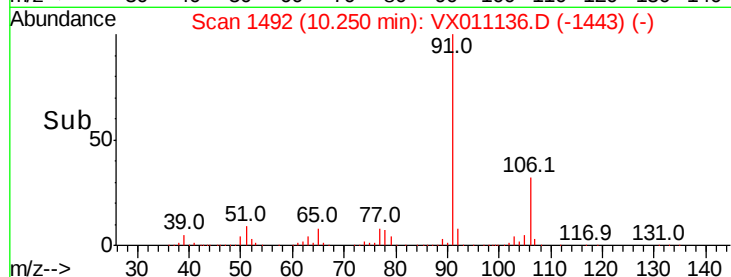
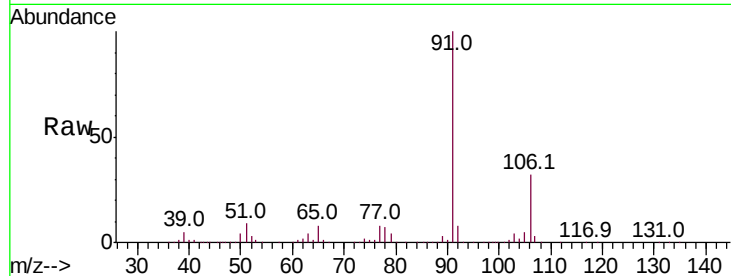
#67
Ethyl Benzene
Concen: 20.164 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX011136.D
Acq: 29 Jul 2019 11:29

Instrument :
MSVOA_X
ClientSampleId :
VX0729WBS01

Tot Ion: 91 Resp: 182512
Ion Ratio Lower Upper
91 100
106 31.8 25.4 38.2

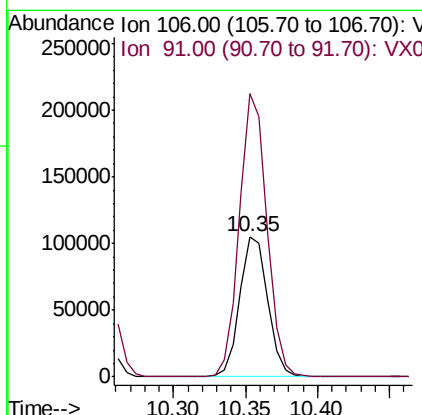
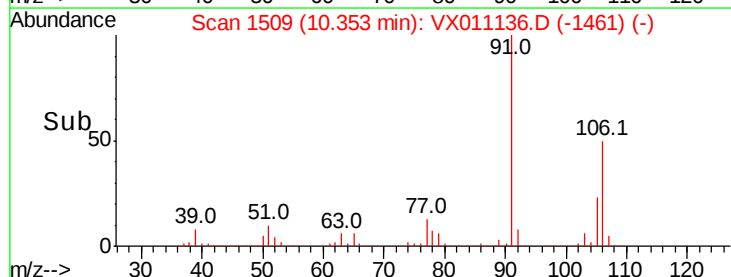
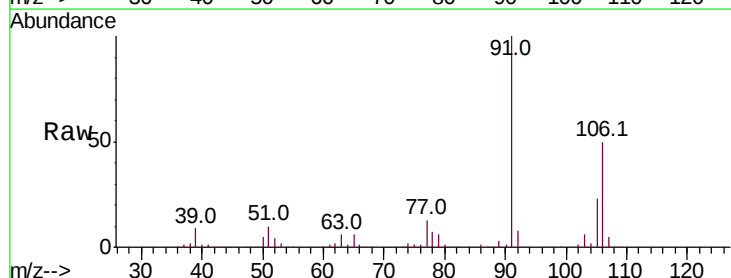
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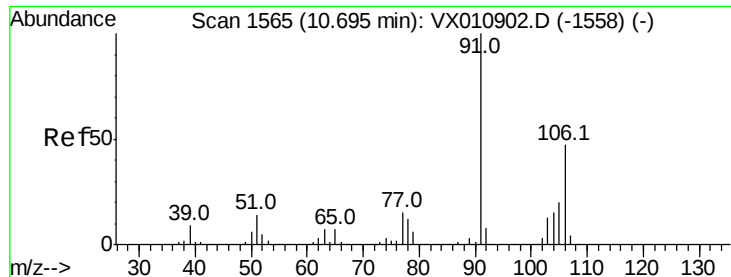
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#68
m/p-Xylenes
Concen: 41.077 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX011136.D
Acq: 29 Jul 2019 11:29

Tgt Ion: 106 Resp: 142622
Ion Ratio Lower Upper
106 100
91 197.8 160.1 240.1





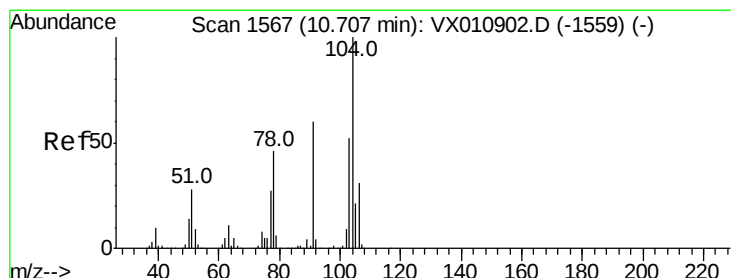
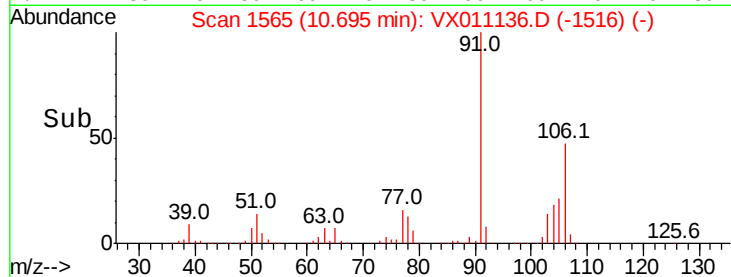
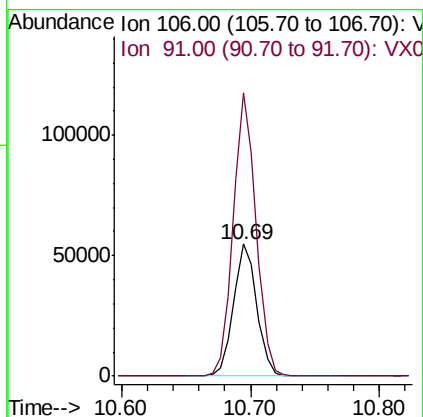
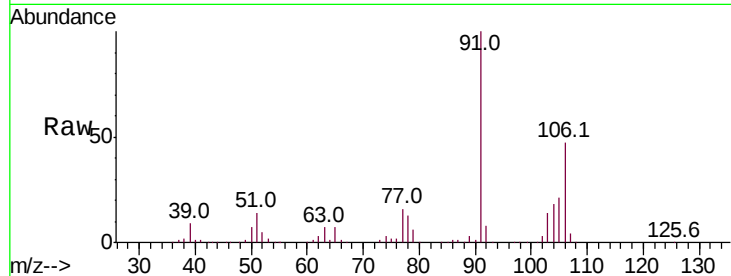
#69
o-Xylene
Concen: 20.399 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011136.D
Acq: 29 Jul 2019 11:29

Instrument :
MSVOA_X
ClientSampleId :
VX0729WBS01

Tot Ion:106 Resp: 69123
Ion Ratio Lower Upper
106 100
91 210.8 105.1 315.3

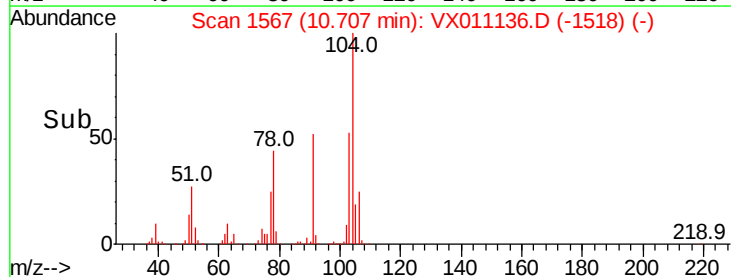
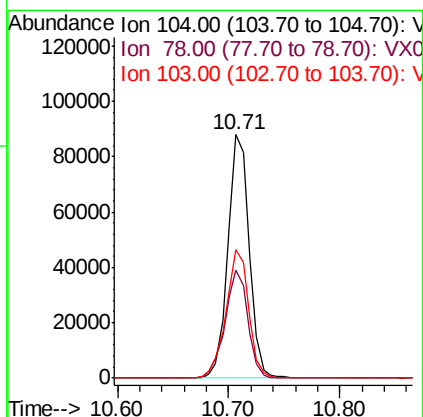
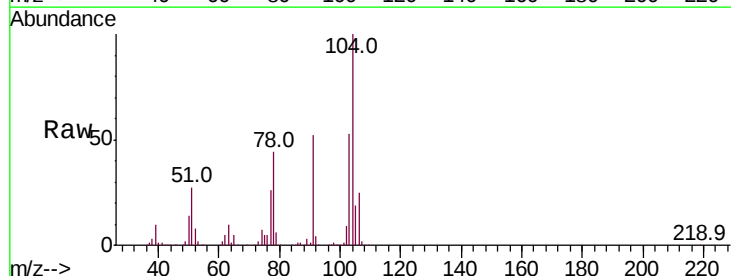
Manual Integrations
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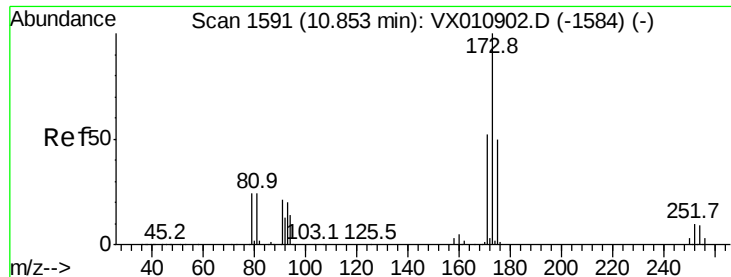
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#70
Styrene
Concen: 20.594 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX011136.D
Acq: 29 Jul 2019 11:29

Tgt Ion:104 Resp: 116331
Ion Ratio Lower Upper
104 100
78 47.7 38.8 58.2
103 56.2 44.2 66.4





#71

Bromoform

Concen: 19.454 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011136.D

Acq: 29 Jul 2019 11:29

Instrument :

MSVOA_X

ClientSampleId :

VX0729WBS01

Tot Ion:173 Resp: 30313

Ion Ratio Lower Upper

173 100

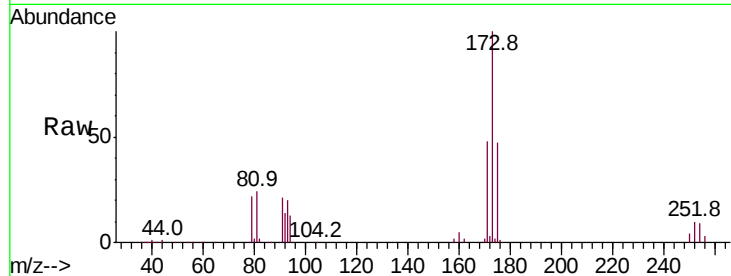
175 48.0 24.6 73.6

254 0.0 0.1 0.1#

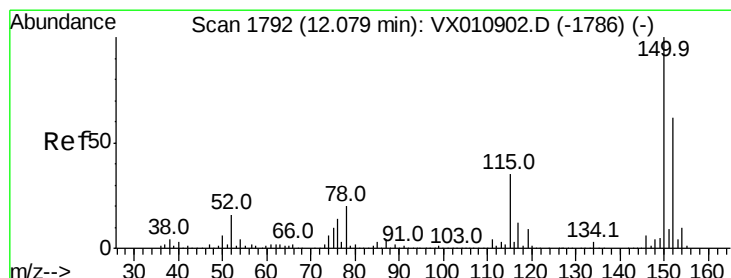
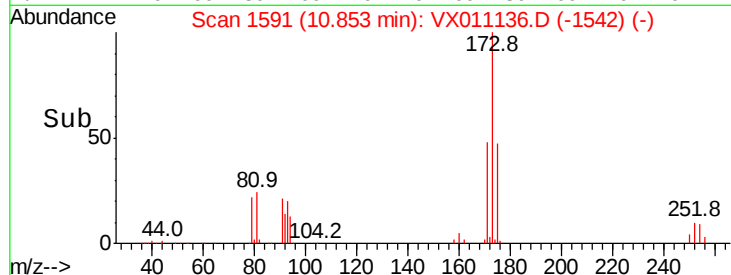
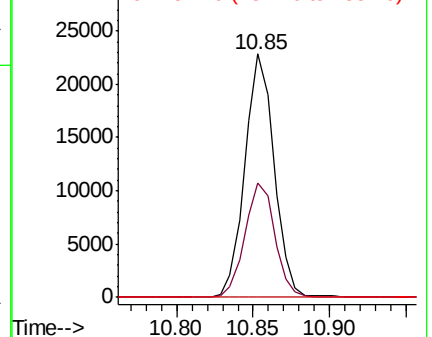
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX011136.D

Acq: 29 Jul 2019 11:29

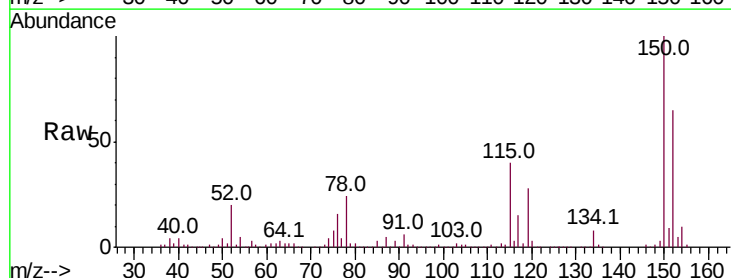
Tgt Ion:152 Resp: 140694

Ion Ratio Lower Upper

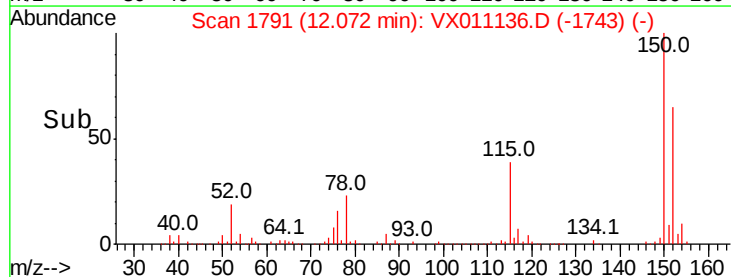
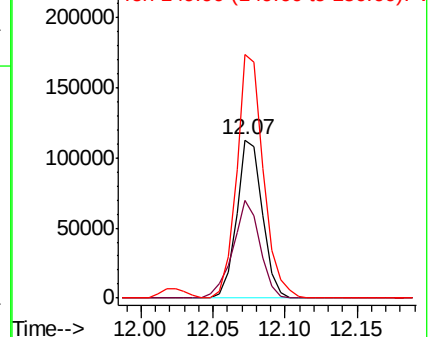
152 100

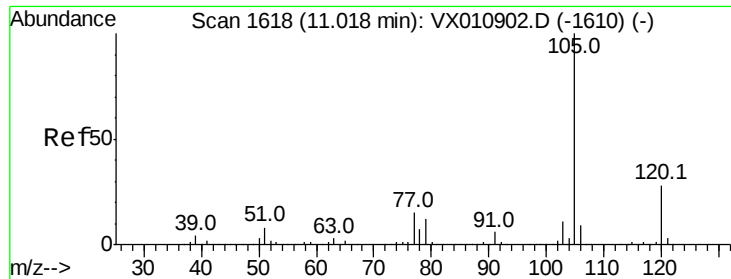
115 65.3 39.7 119.1

150 160.2 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: 19.639 ug/l

RT: 11.01 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VX011136.D

Acq: 29 Jul 2019 11:29

Instrument :

MSVOA_X

ClientSampleId :

VX0729WBS01

Tot Ion:105 Resp: 186697

Ion Ratio Lower Upper

105 100

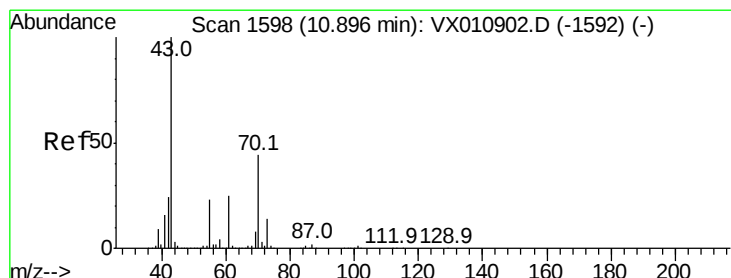
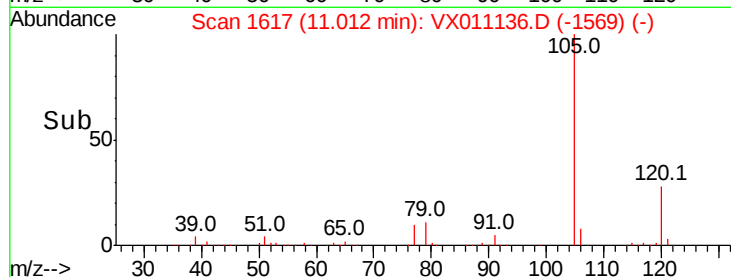
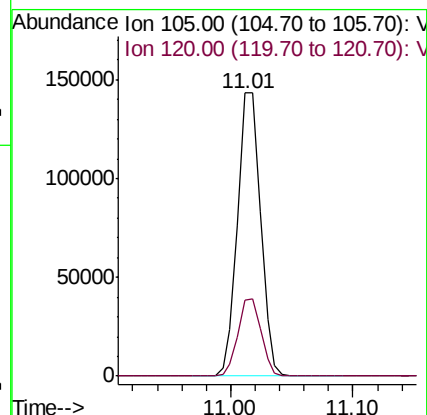
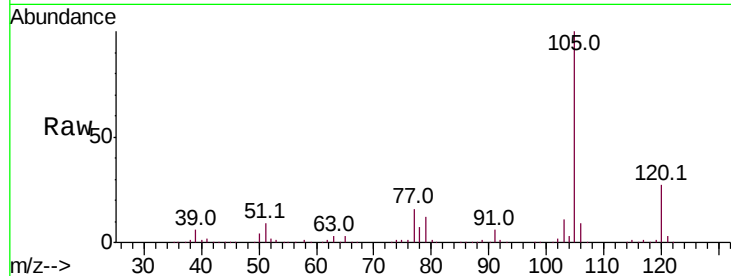
120 27.3 13.7 41.1

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#74

N-ethyl acetate

Concen: 18.889 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX011136.D

Acq: 29 Jul 2019 11:29

Tgt Ion: 43 Resp: 68613

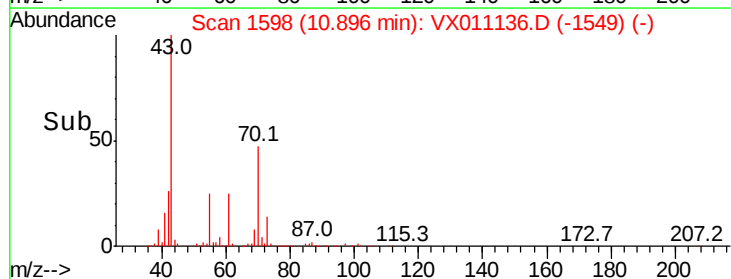
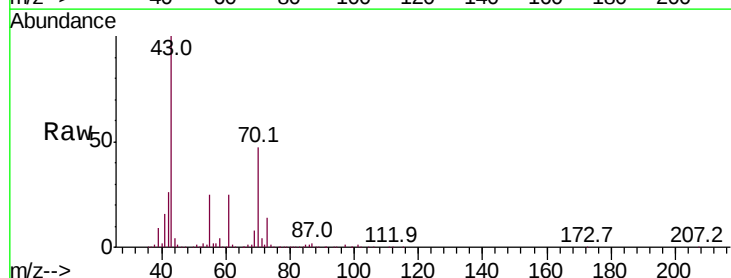
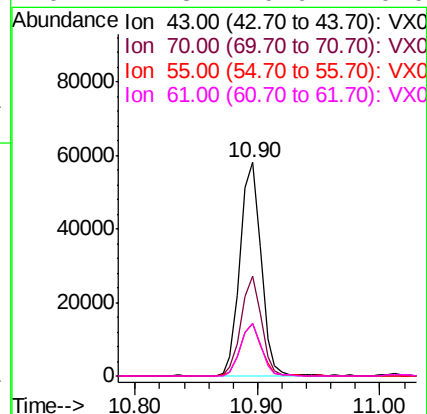
Ion Ratio Lower Upper

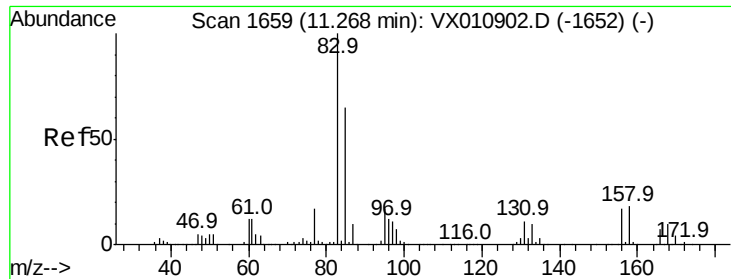
43 100

70 45.3 34.7 52.1

55 24.9 19.1 28.7

61 24.3 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.811 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011136.D

Acq: 29 Jul 2019 11:29

Instrument :

MSVOA_X

ClientSampleId :

VX0729WBS01

Tot Ion: 83 Resp: 61633

Ion Ratio Lower Upper

83 100

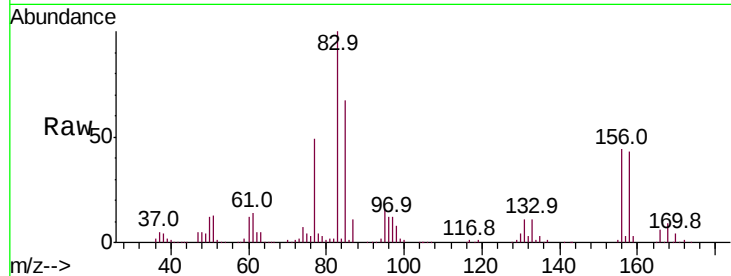
131 11.2 5.5 16.4

85 66.3 32.3 96.9

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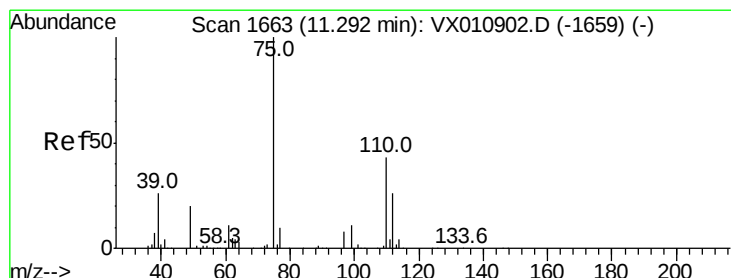
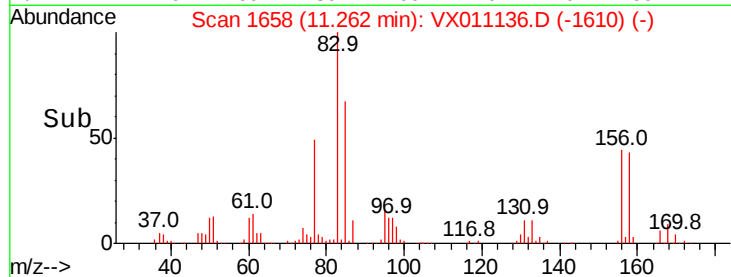
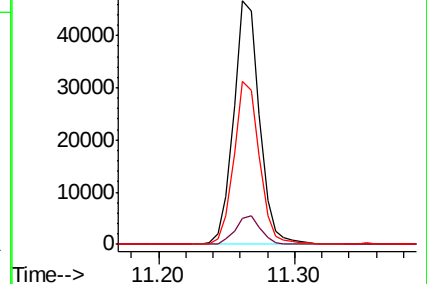
7/30/2019 11:08:58 AM



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: 20.392 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX011136.D

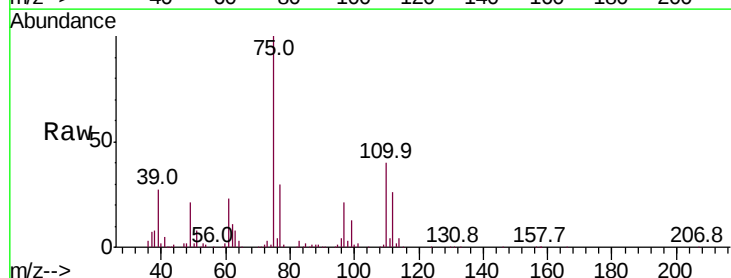
Acq: 29 Jul 2019 11:29

Tgt Ion: 75 Resp: 51772

Ion Ratio Lower Upper

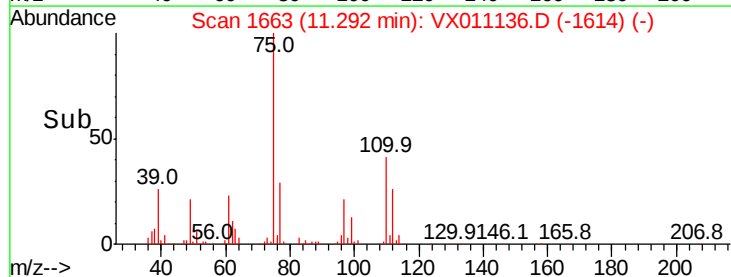
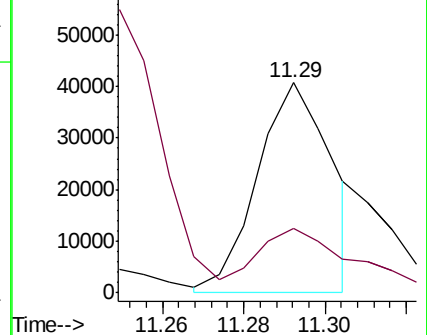
75 100

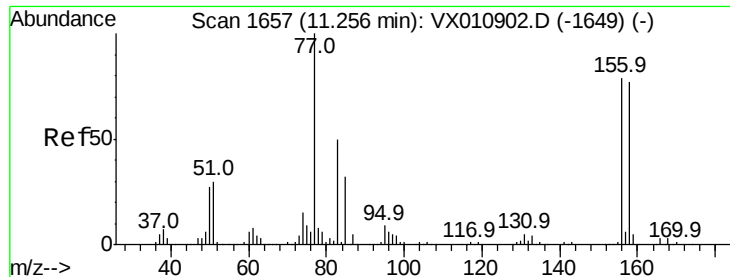
77 40.0 21.3 64.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.299 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011136.D

Acq: 29 Jul 2019 11:29

Instrument :

MSVOA_X

ClientSampleId :

VX0729WBS01

Tot Ion:156 Resp: 50608

Ion Ratio Lower Upper

156 100

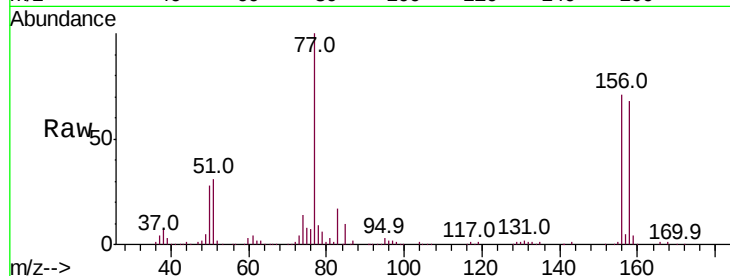
77 138.9 68.7 206.1

158 98.5 47.9 143.7

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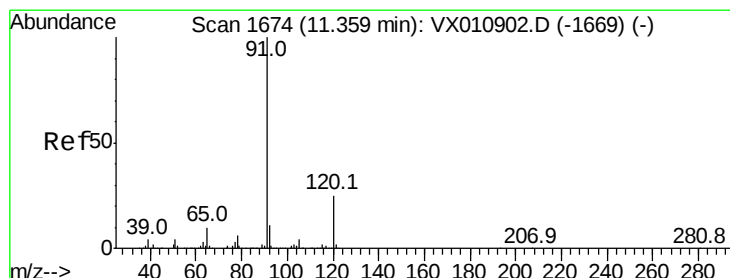
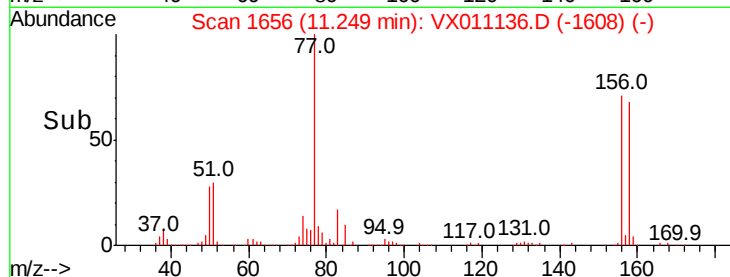
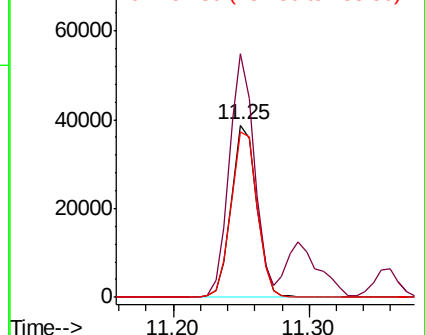
7/30/2019 11:08:58 AM



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: 19.958 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX011136.D

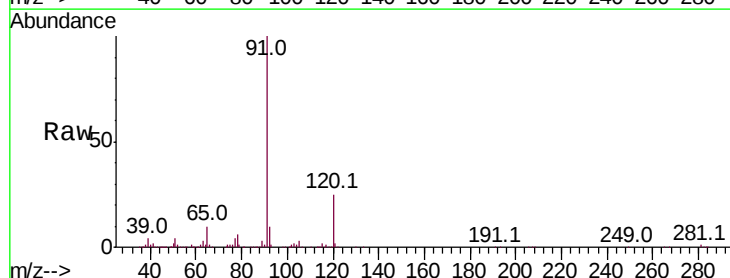
Acq: 29 Jul 2019 11:29

Tgt Ion: 91 Resp: 209639

Ion Ratio Lower Upper

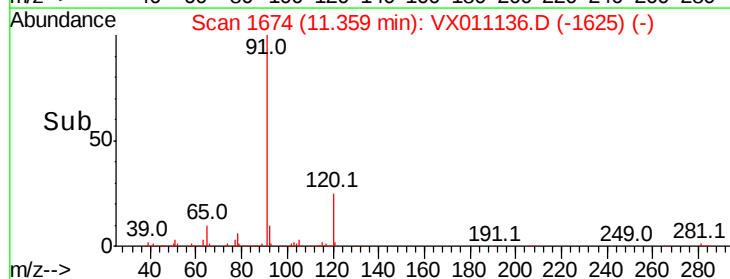
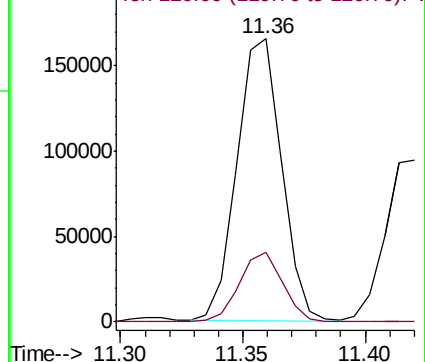
91 100

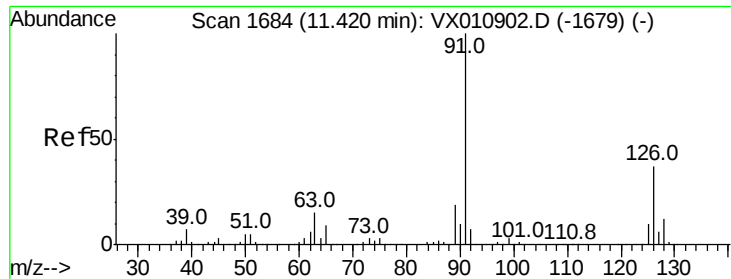
120 24.1 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.625 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX011136.D

Acq: 29 Jul 2019 11:29

Instrument :

MSVOA_X

ClientSampleId :

VX0729WBS01

Tot Ion: 91 Resp: 123836

Ion Ratio Lower Upper

91 100

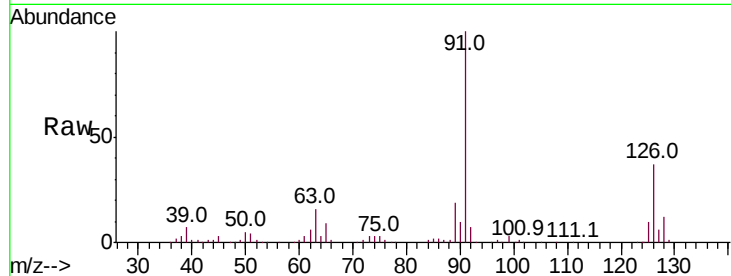
126 36.9 18.0 54.0

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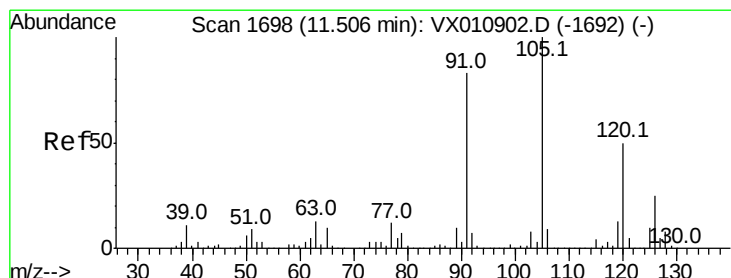
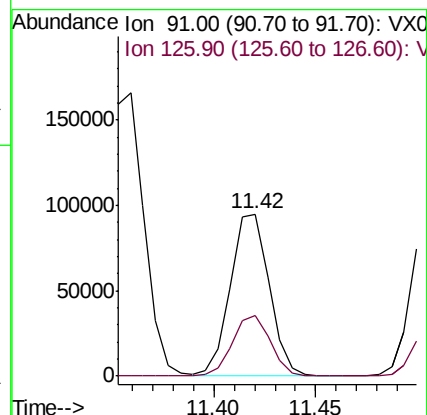
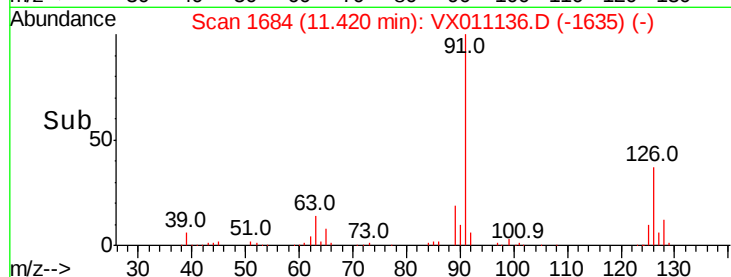
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Abundance Ion 91.00 (90.70 to 91.70): VX011136.D (-1635) (-)

Ion 125.90 (125.60 to 126.60): VX011136.D (-1635) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.960 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011136.D

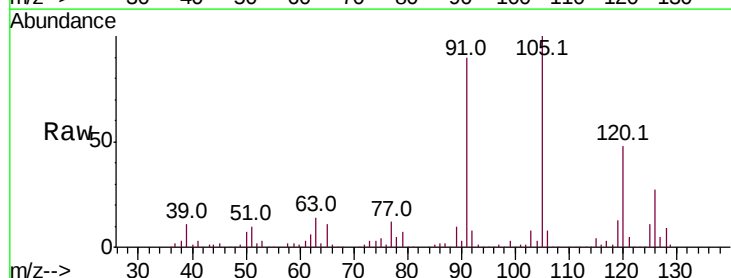
Acq: 29 Jul 2019 11:29

Tgt Ion: 105 Resp: 158558

Ion Ratio Lower Upper

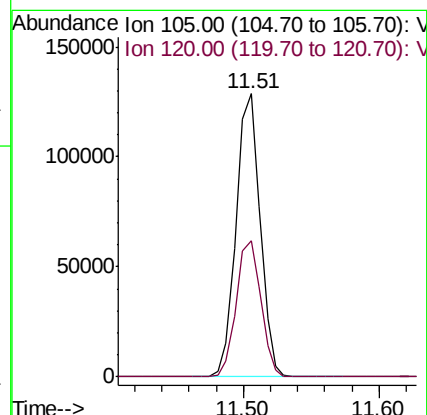
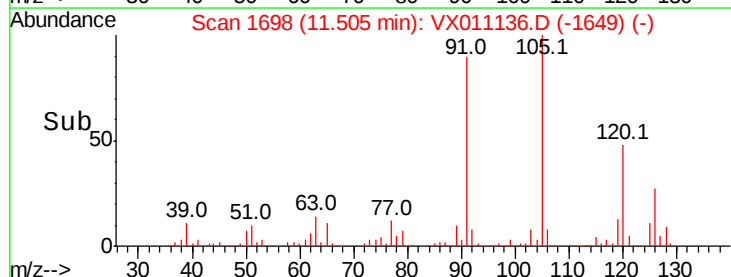
105 100

120 49.3 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): VX011136.D (-1649) (-)

Ion 120.00 (119.70 to 120.70): VX011136.D (-1649) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.357 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011136.D

Acq: 29 Jul 2019 11:29

Instrument :

MSVOA_X

ClientSampleId :

VX0729WBS01

Tot Ion: 75 Resp: 16742

Ion Ratio Lower Upper

75 100

53 100.5 76.7 115.1

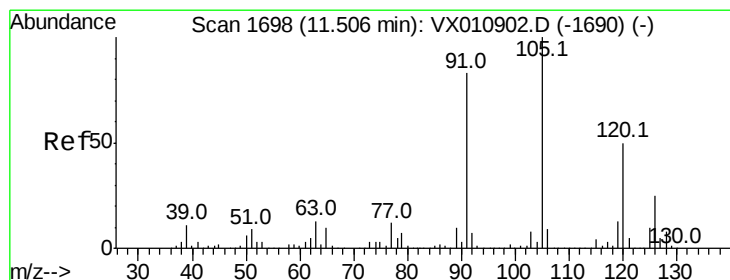
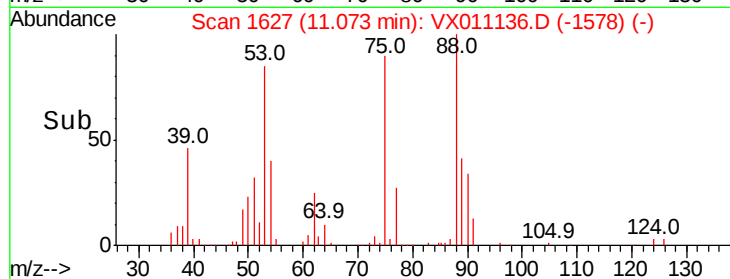
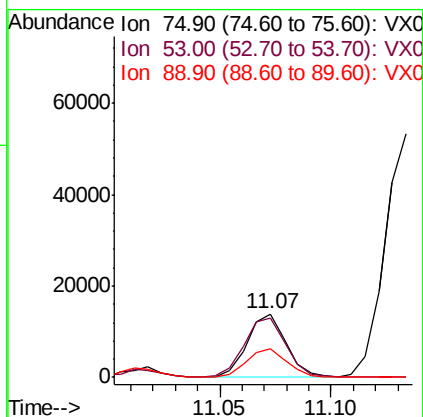
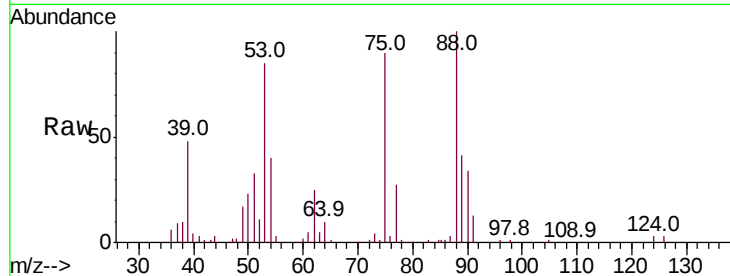
89 47.8 38.5 57.7

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#82

4-Chlorotoluene

Concen: 19.883 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011136.D

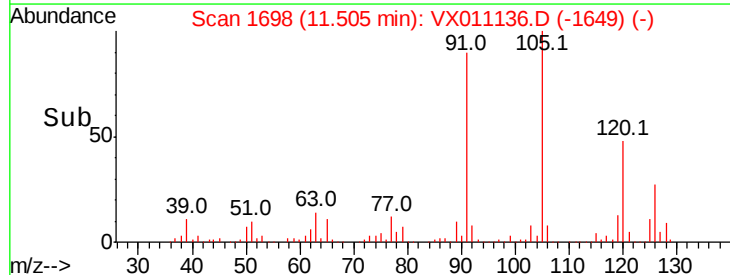
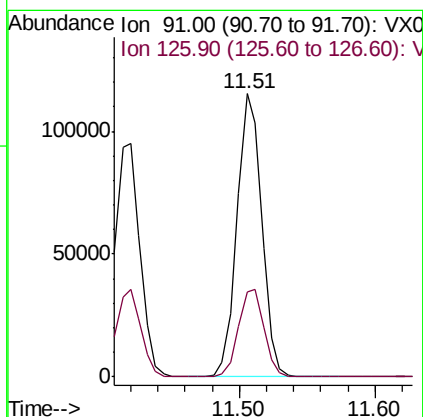
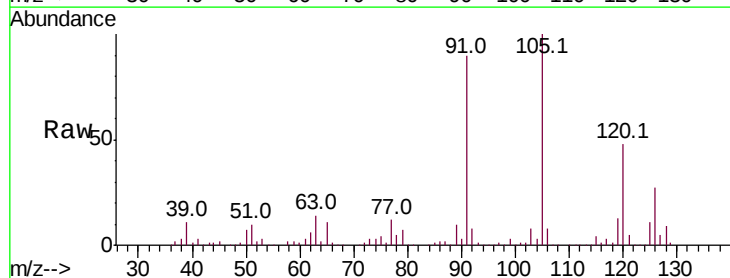
Acq: 29 Jul 2019 11:29

Tgt Ion: 91 Resp: 146025

Ion Ratio Lower Upper

91 100

126 32.1 15.9 47.7





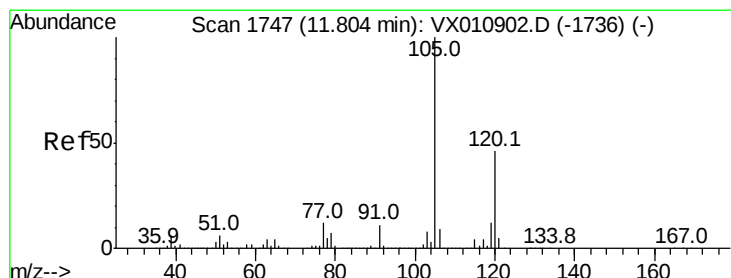
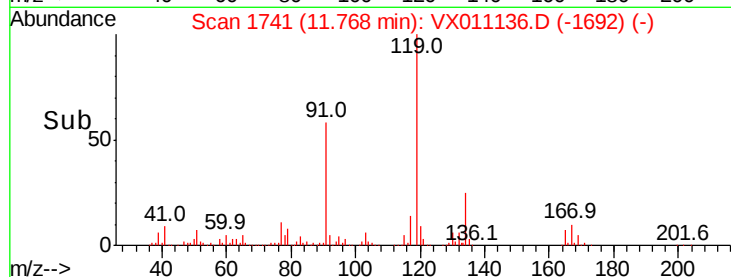
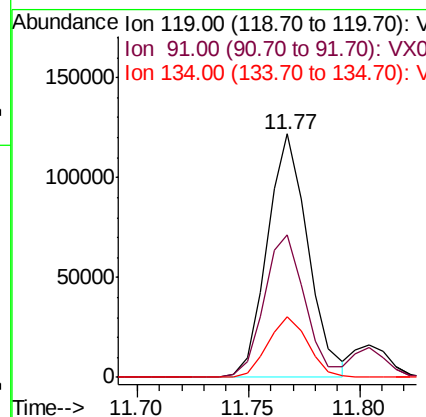
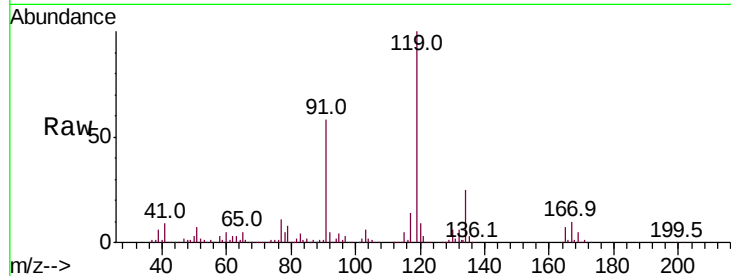
#83
tert-Butylbenzene
Concen: 19.862 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX011136.D
Acq: 29 Jul 2019 11:29

Instrument :
MSVOA_X
ClientSampleId :
VX0729WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	154981		
91	58.9	28.6	85.8	
134	24.4	11.6	34.8	

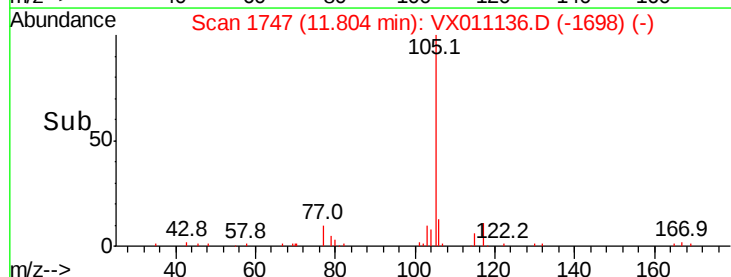
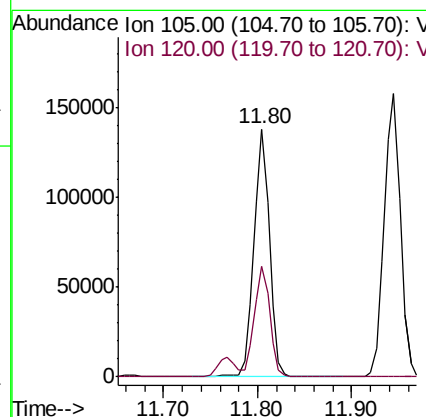
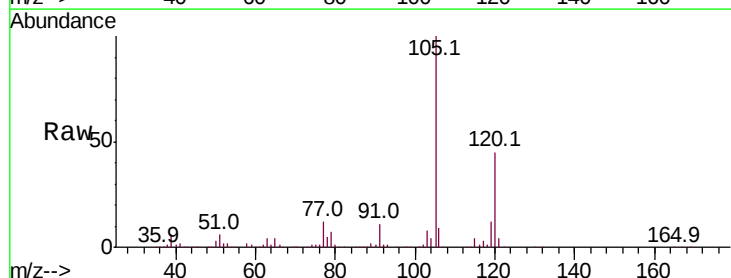
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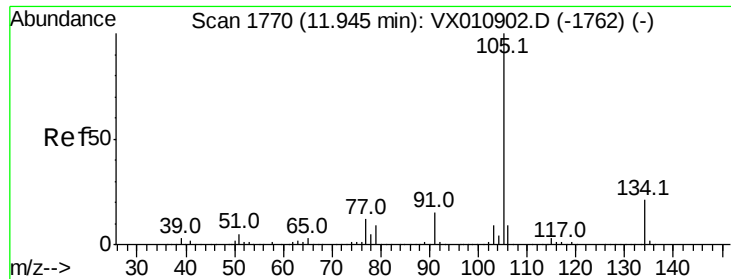
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#84
1,2,4-Trimethylbenzene
Concen: 19.949 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX011136.D
Acq: 29 Jul 2019 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	159720		
120	44.9	22.9	68.5	





#85

sec-Butylbenzene

Concen: 20.674 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011136.D

Acq: 29 Jul 2019 11:29

Instrument :

MSVOA_X

ClientSampleId :

VX0729WBS01

Tot Ion:105 Resp: 189017

Ion Ratio Lower Upper

105 100

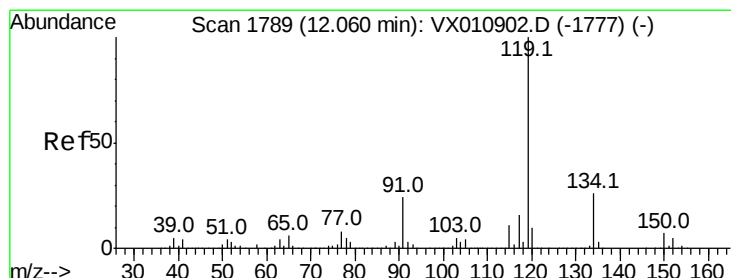
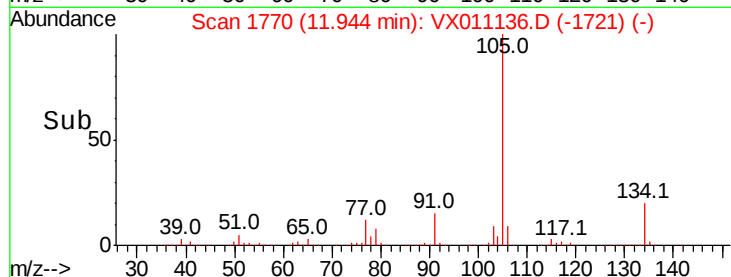
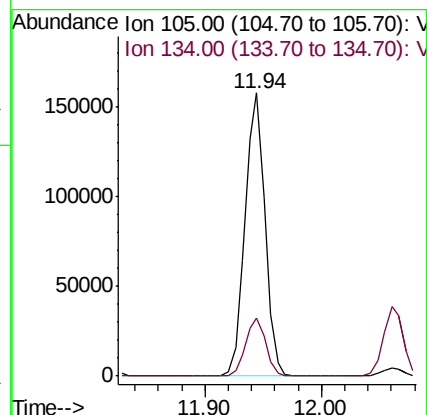
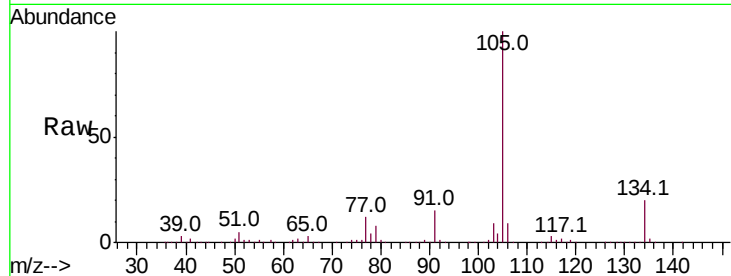
134 20.6 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 20.165 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011136.D

Acq: 29 Jul 2019 11:29

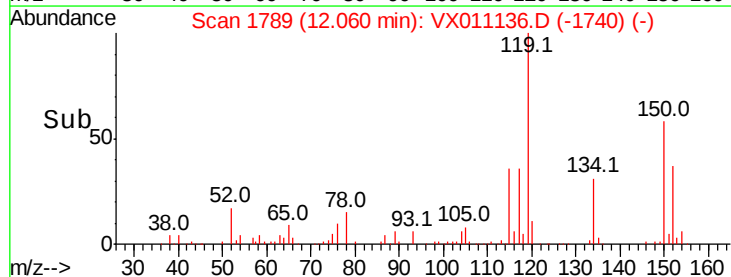
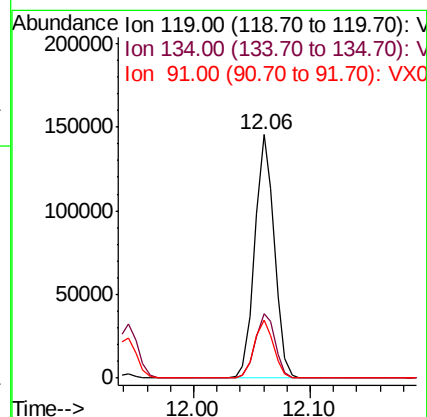
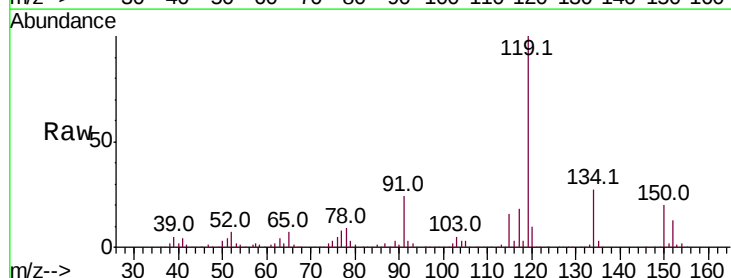
Tgt Ion:119 Resp: 170443

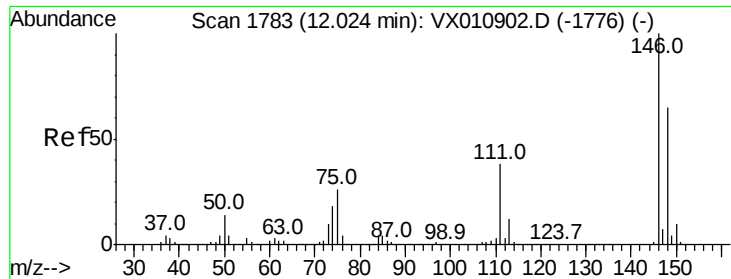
Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

91 23.8 11.8 35.4





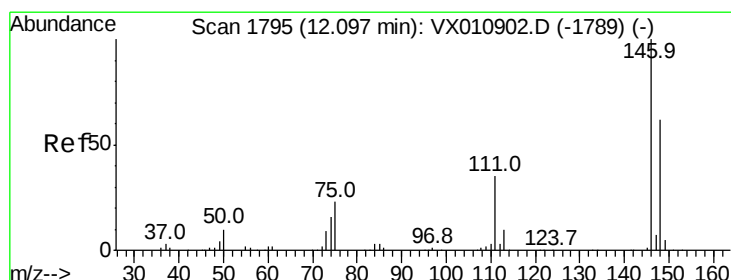
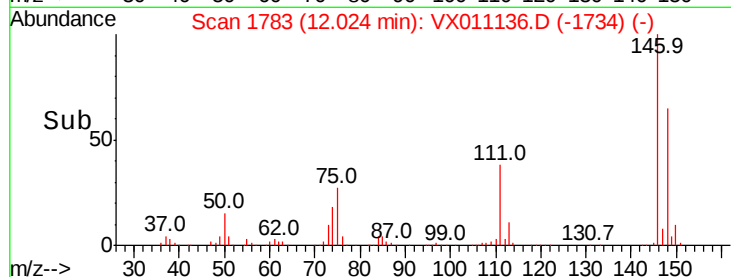
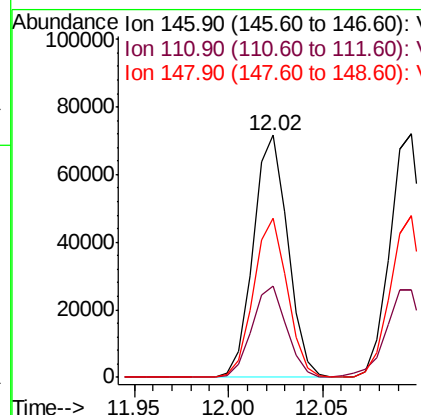
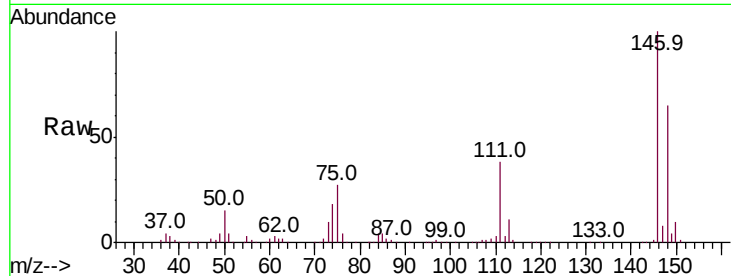
#87
 1,3-Dichlorobenzene
 Concen: 19.959 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX011136.D
 Acq: 29 Jul 2019 11:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0729WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.9
148	64.1	32.2	96.6

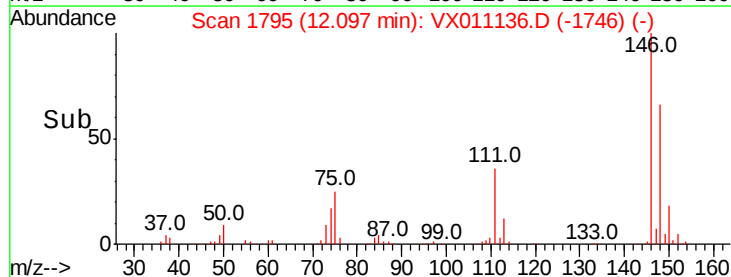
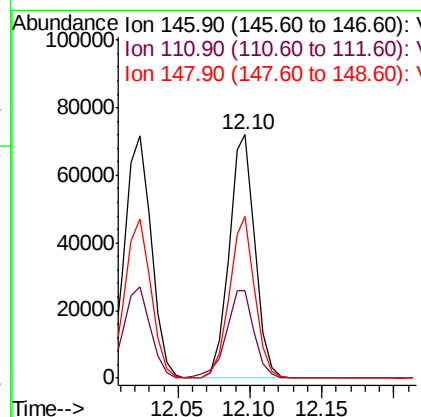
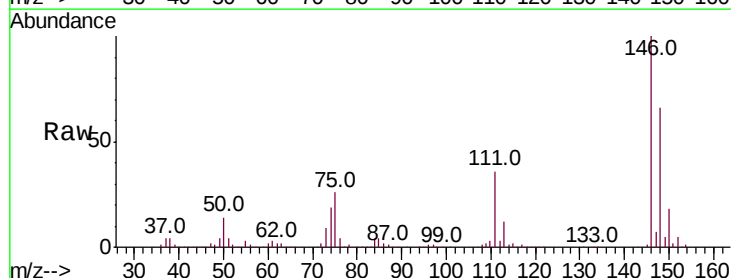
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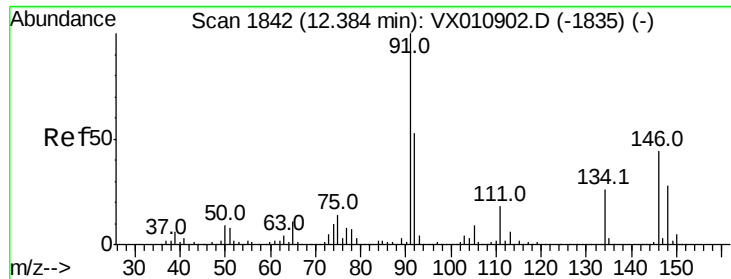
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#88
 1,4-Dichlorobenzene
 Concen: 19.481 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX011136.D
 Acq: 29 Jul 2019 11:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.6	55.8
148	64.9	31.6	94.7





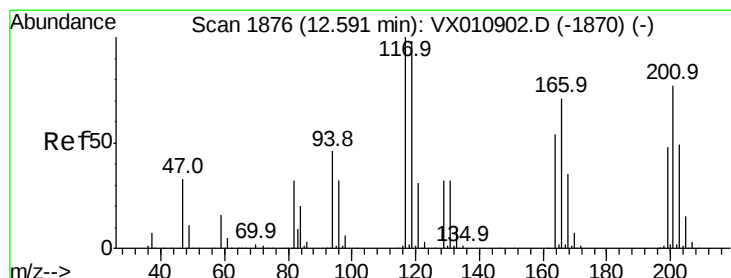
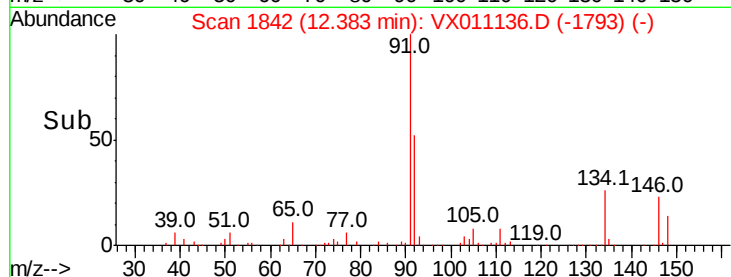
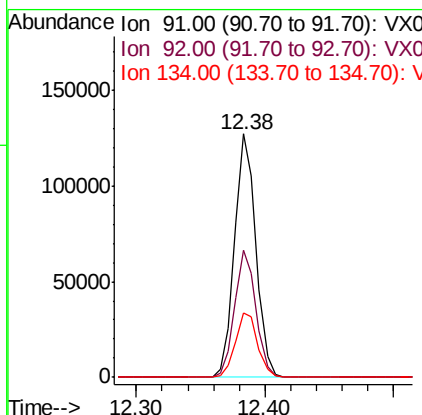
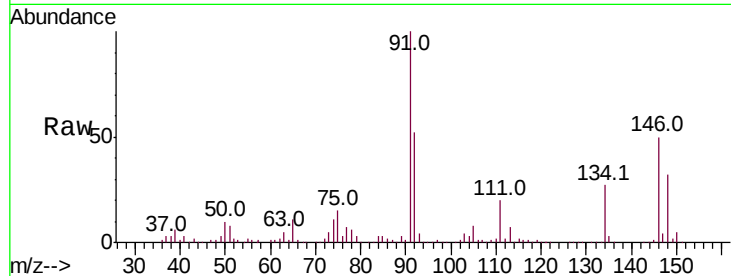
#89
n-Butylbenzene
Concen: 20.446 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX011136.D
Acq: 29 Jul 2019 11:29

Instrument :
MSVOA_X
ClientSampleId :
VX0729WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.2	78.5
134	27.4	13.8	41.3

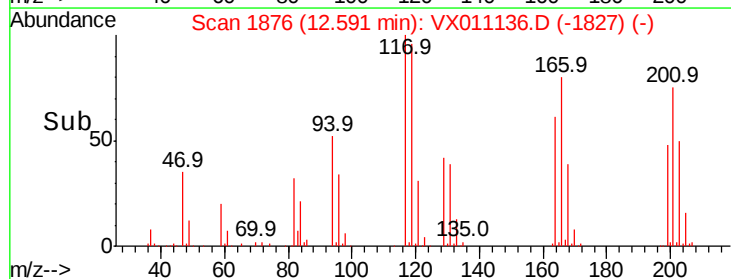
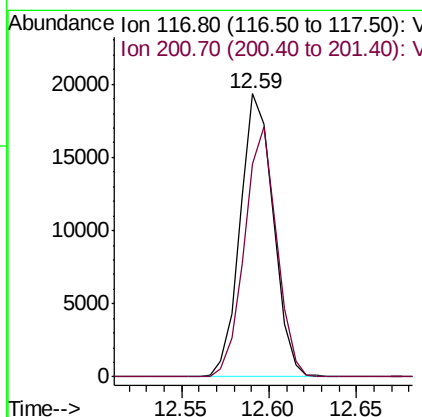
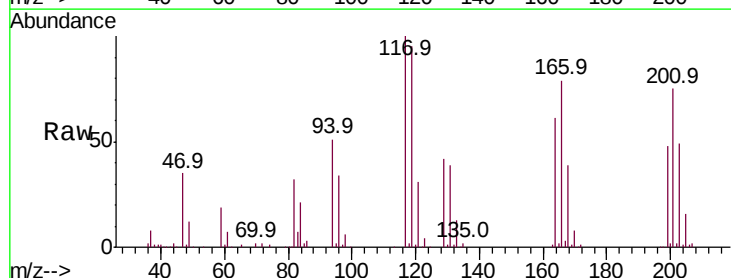
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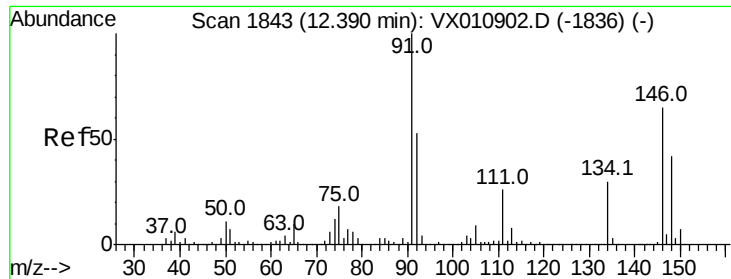
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#90
Hexachloroethane
Concen: 19.108 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VX011136.D
Acq: 29 Jul 2019 11:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.3	43.3	129.8





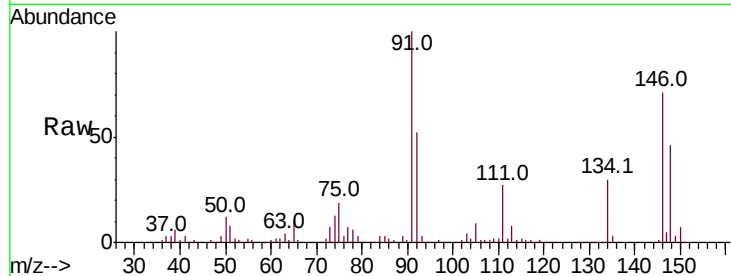
#91
 1,2-Dichlorobenzene
 Concen: 20.467 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX011136.D
 Acq: 29 Jul 2019 11:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0729WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.9	59.7
148	65.1	32.0	96.2

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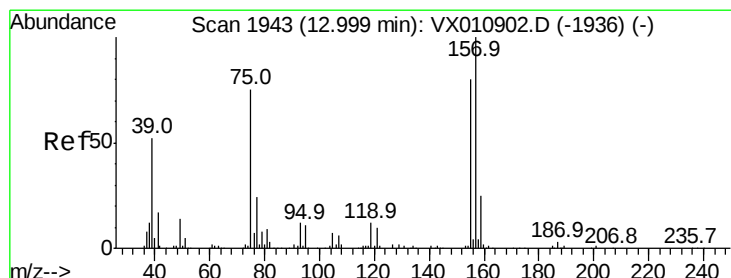
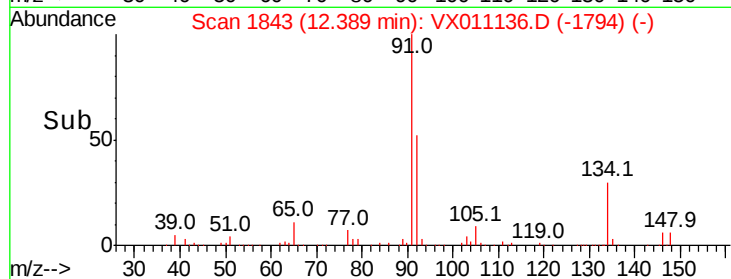
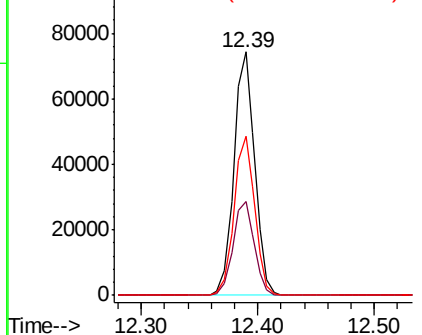


Abundance

Ion 145.90 (145.60 to 146.60): V

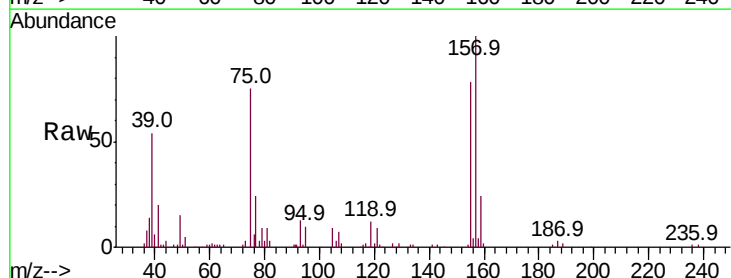
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.461 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX011136.D
 Acq: 29 Jul 2019 11:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.7	48.7	146.1
157	117.9	62.5	187.6

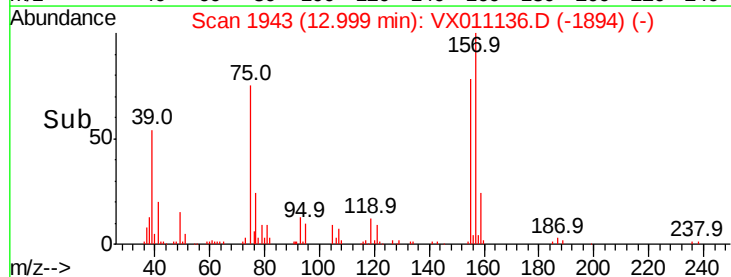
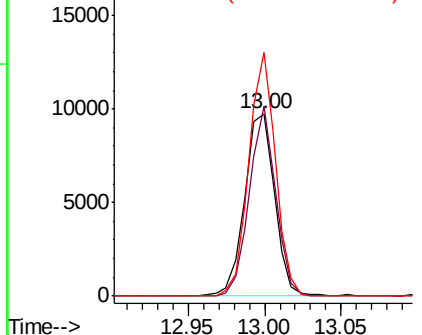


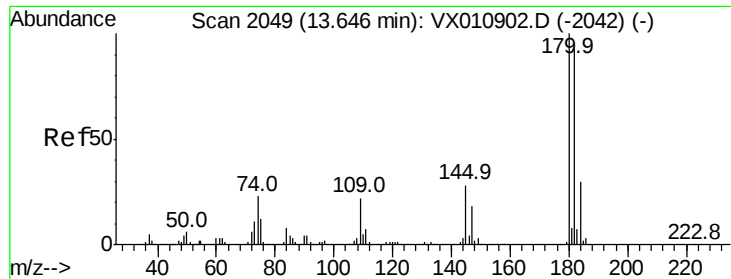
Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





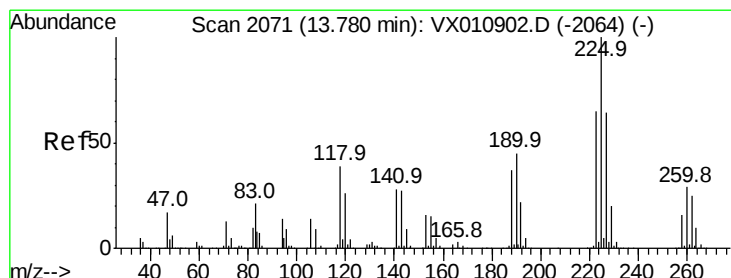
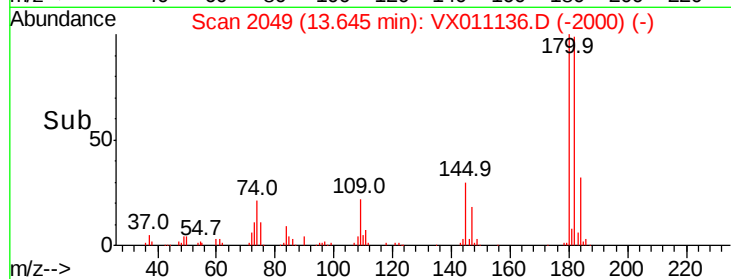
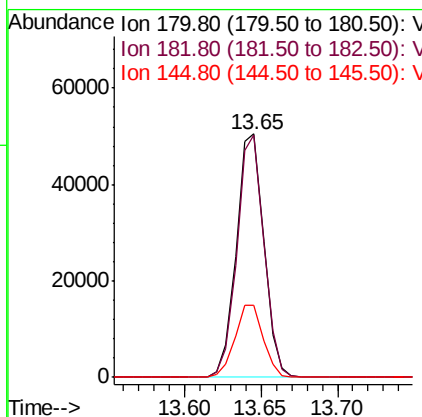
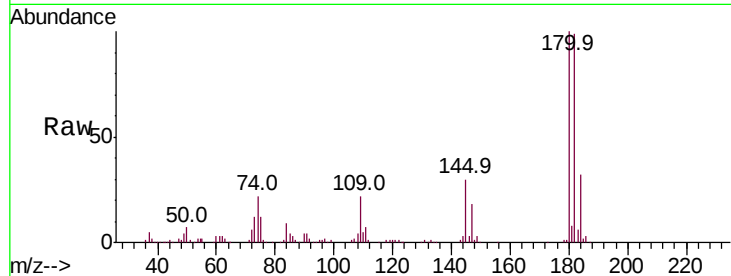
#93
 1,2,4-Trichlorobenzene
 Concen: 20.570 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX011136.D
 Acq: 29 Jul 2019 11:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0729WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	62872		
182	97.4		47.1	141.3
145	30.6		14.8	44.4

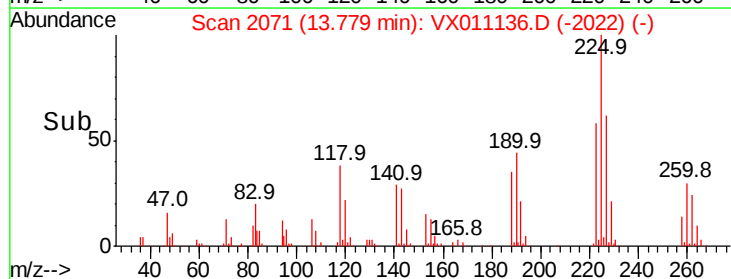
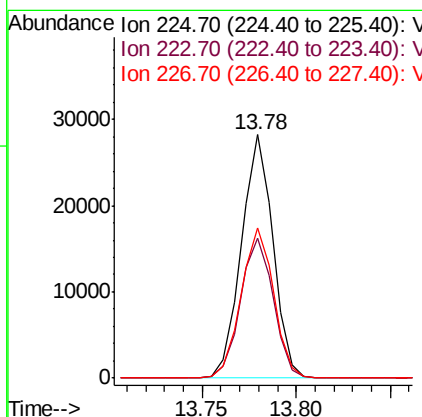
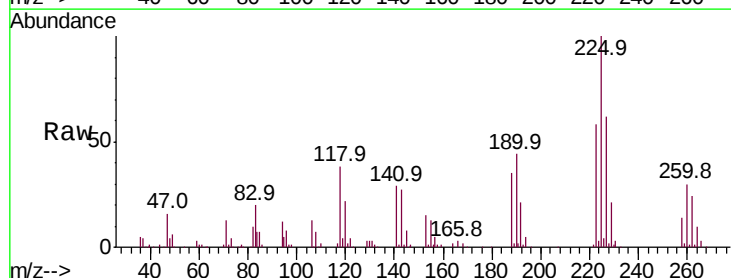
Manual Integrations
 APPROVED

MMDadoda
 7/30/2019 11:08:58 AM



#94
 Hexachlorobutadiene
 Concen: 21.642 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX011136.D
 Acq: 29 Jul 2019 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	32780		
223	60.0		31.9	95.9
227	63.6		32.5	97.4





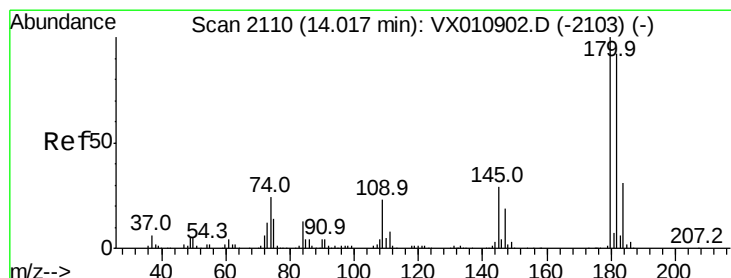
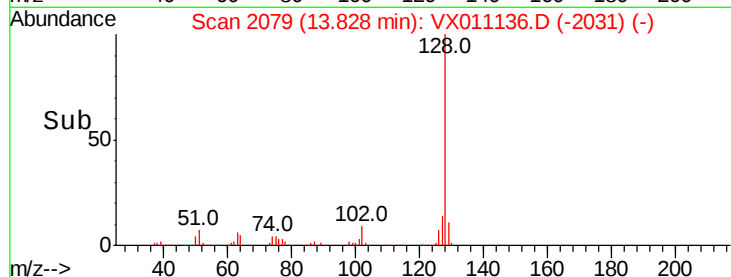
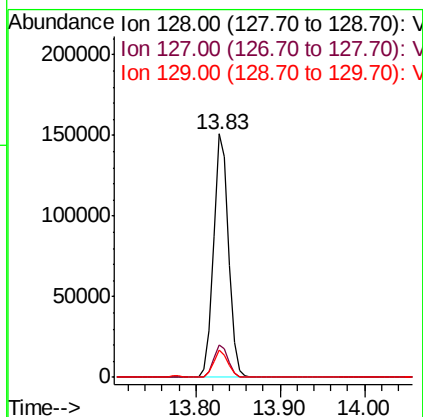
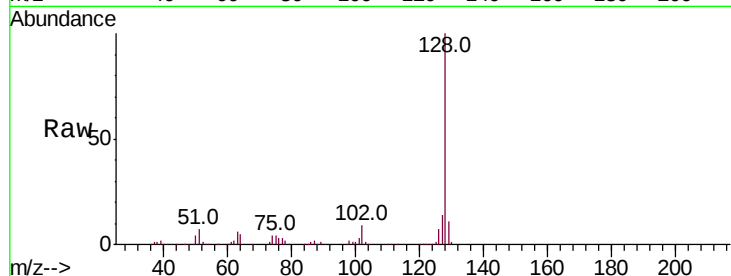
#95
Naphthalene
Concen: 20.697 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX011136.D
Acq: 29 Jul 2019 11:29

Instrument :
MSVOA_X
ClientSampleId :
VX0729WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	186805		
127	13.1		10.4	15.6
129	10.7		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/30/2019 11:08:58 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.010 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX011136.D
Acq: 29 Jul 2019 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	63897		
182	96.0		47.4	142.3
145	31.2		15.1	45.3

