

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091119\
 Data File : VX012299.D
 Acq On : 11 Sep 2019 13:45
 Operator : SY/SP
 Sample : VX0911SBSD01
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 9:26:33 AM

Quant Time: Sep 12 06:26:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	125560	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	218549	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	202841	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	103876	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	95425	53.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.52%	
35) Dibromofluoromethane	5.48	113	74813	53.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.80%	
50) Toluene-d8	8.71	98	285299	58.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.12%	
62) 4-Bromofluorobenzene	11.14	95	121171	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	22457	21.876	ug/l	95
3) Chloromethane	1.31	50	20893	22.579	ug/l	99
4) Vinyl Chloride	1.40	62	20412	22.248	ug/l	97
5) Bromomethane	1.62	94	9659	23.521	ug/l	97
6) Chloroethane	1.70	64	12599	20.536	ug/l	94
7) Trichlorofluoromethane	1.91	101	35443	21.345	ug/l	99
8) Diethyl Ether	2.17	74	12585	22.211	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	25878	23.123	ug/l	98
10) Methyl Iodide	2.50	142	16358	15.358	ug/l	98
11) Tert butyl alcohol	3.03	59	17924m	89.144	ug/l	
12) 1,1-Dichloroethene	2.36	96	21176	22.288	ug/l	97
13) Acrolein	2.28	56	9499	102.364	ug/l	95
14) Allyl chloride	2.71	41	40950	21.140	ug/l	98
15) Acrylonitrile	3.13	53	37949	108.348	ug/l	100
16) Acetone	2.44	43	45298	107.792	ug/l	97
17) Carbon Disulfide	2.55	76	41922	21.012	ug/l	100
18) Methyl Acetate	2.76	43	19220	21.760	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	80168	21.366	ug/l	99
20) Methylene Chloride	2.84	84	29970	21.349	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	24492	21.607	ug/l	97
22) Diisopropyl ether	3.84	45	93455	21.096	ug/l	95
23) Vinyl Acetate	3.80	43	290779	106.983	ug/l	100
24) 1,1-Dichloroethane	3.68	63	50600	21.324	ug/l	99
25) 2-Butanone	4.66	43	58554	108.996	ug/l	93
26) 2,2-Dichloropropane	4.57	77	49317	22.137	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	31181	21.306	ug/l	98
28) Bromochloromethane	5.00	49	22792	20.480	ug/l	98
29) Tetrahydrofuran	5.11	42	32654	112.659	ug/l	98
30) Chloroform	5.20	83	56691	21.187	ug/l	93
31) Cyclohexane	5.56	56	35865	21.758	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	48511	21.114	ug/l	99
36) 1,1-Dichloropropene	5.78	75	35403	22.216	ug/l	98
37) Ethyl Acetate	4.83	43	21618	21.945	ug/l #	94
38) Carbon Tetrachloride	5.77	117	40510	21.667	ug/l	97

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Manual Integrations
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MMDadoda
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Quant Time: Sep 12 06:26:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	38613	22.079	ug/l	98
40) Benzene	6.13	78	107340	22.255	ug/l	99
41) Methacrylonitrile	5.03	41	13547	22.307	ug/l	97
42) 1,2-Dichloroethane	6.18	62	42605	22.350	ug/l	100
43) Isopropyl Acetate	6.44	43	45021	21.677	ug/l	99
44) Trichloroethene	7.20	130	29057	22.261	ug/l	100
45) 1,2-Dichloropropane	7.51	63	29307	21.952	ug/l	95
46) Dibromomethane	7.65	93	16342	22.397	ug/l	98
47) Bromodichloromethane	7.89	83	41002	20.592	ug/l	97
48) Methyl methacrylate	7.76	41	21086	21.211	ug/l	98
49) 1,4-Dioxane	7.73	88	5938	442.657	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	119325	108.860	ug/l	100
52) Toluene	8.78	92	69716	21.884	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	40938	20.599	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	47056	21.352	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	24979	22.097	ug/l	97
56) Ethyl methacrylate	9.17	69	32658	21.338	ug/l	99
57) 1,3-Dichloropropane	9.37	76	42941	22.242	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	88692	113.063	ug/l	100
59) 2-Hexanone	9.49	43	85103	111.662	ug/l	99
60) Dibromochloromethane	9.57	129	27428	20.784	ug/l	98
61) 1,2-Dibromoethane	9.67	107	23329	22.171	ug/l	98
64) Tetrachloroethene	9.33	164	23767	22.155	ug/l	98
65) Chlorobenzene	10.14	112	80840	21.812	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	29791	21.323	ug/l	99
67) Ethyl Benzene	10.25	91	144649	21.944	ug/l	97
68) m/p-Xylenes	10.36	106	106769	44.000	ug/l	99
69) o-Xylene	10.70	106	51214	21.545	ug/l	98
70) Styrene	10.71	104	91392	21.679	ug/l	99
71) Bromoform	10.85	173	14657	20.231	ug/l #	98
73) Isopropylbenzene	11.01	105	144075	21.068	ug/l	99
74) N-amyl acetate	10.89	43	41993	20.653	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	31797	21.650	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	27432m	20.557	ug/l	
77) Bromobenzene	11.25	156	34295	21.782	ug/l	98
78) n-propylbenzene	11.35	91	172512	20.890	ug/l	99
79) 2-Chlorotoluene	11.42	91	107783	21.066	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	129247	21.017	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	8262	18.551	ug/l	91
82) 4-Chlorotoluene	11.51	91	131135	21.327	ug/l	100
83) tert-Butylbenzene	11.76	119	127677	21.381	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	132416	20.829	ug/l	98
85) sec-Butylbenzene	11.94	105	151966	21.328	ug/l	99
86) p-Isopropyltoluene	12.06	119	139369	21.170	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	69029	21.523	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	69741	21.504	ug/l	98
89) n-Butylbenzene	12.39	91	135136	20.943	ug/l	100
90) Hexachloroethane	12.59	117	24302	20.041	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	62104	20.933	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	6157	20.539	ug/l	99

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MSVOA_X
ClientSampleId :
VX0911SBSD01

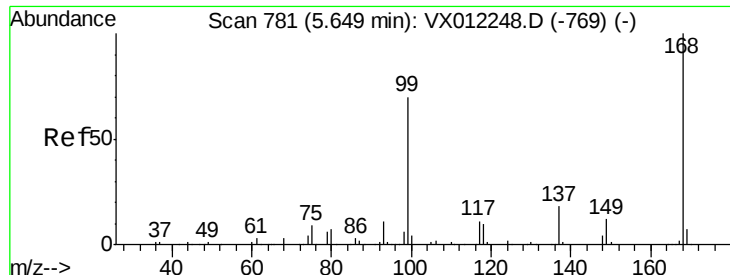
Manual Integrations
APPROVED

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Quant Title : SW846 8260
QLast Update : Tue Sep 10 12:55:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	41954	20.477	µg/l	98
94) Hexachlorobutadiene	13.78	225	21348	20.944	µg/l	97
95) Naphthalene	13.83	128	91557	20.823	µg/l	98
96) 1,2,3-Trichlorobenzene	14.02	180	38802	21.404	µg/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012299.D

Acq: 11 Sep 2019 13:45

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS01

Tot Ion:168 Resp: 125560

Ion Ratio Lower Upper

168 100

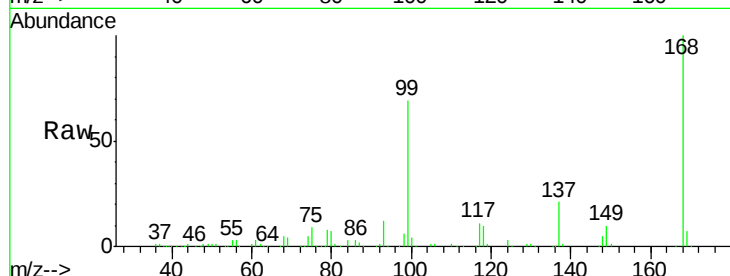
99 68.4 55.8 83.6

Manual Integrations

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9/12/2019 9:26:33 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

40000

30000

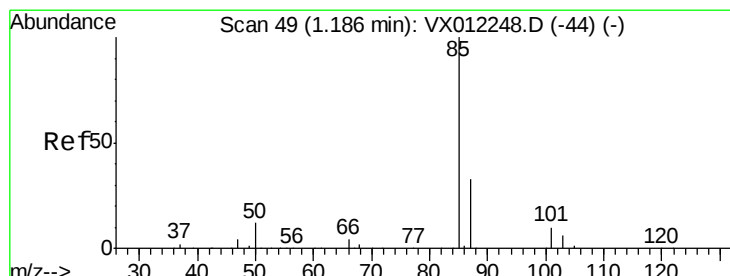
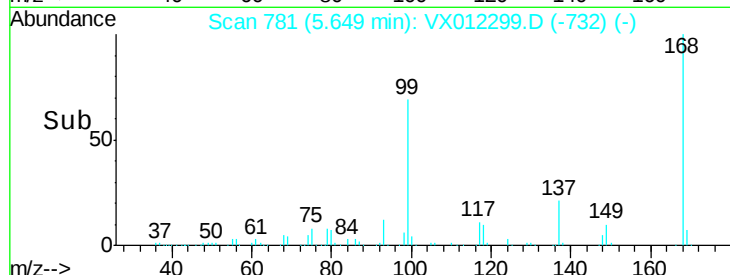
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 21.876 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012299.D

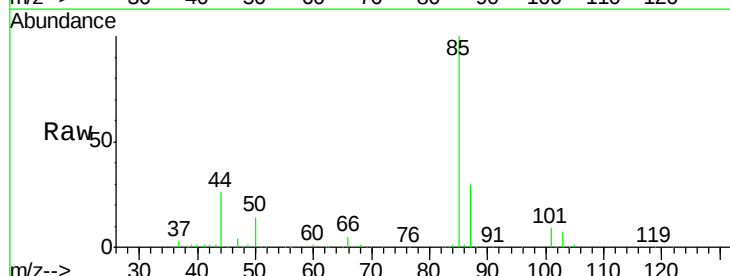
Acq: 11 Sep 2019 13:45

Tgt Ion: 85 Resp: 22457

Ion Ratio Lower Upper

85 100

87 30.5 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

25000

20000

15000

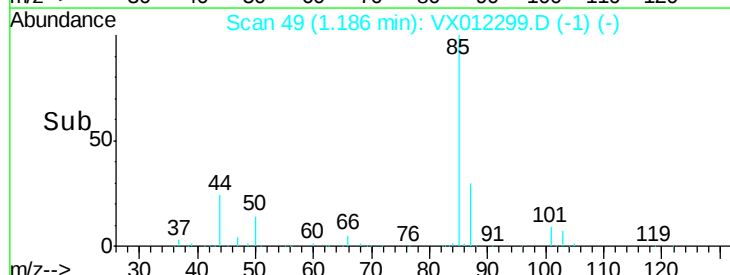
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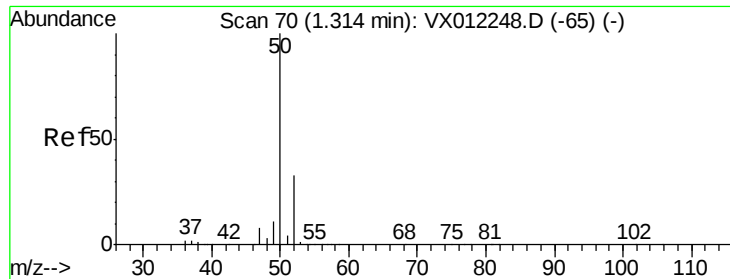
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0

Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 22.579 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX012299.D

Acq: 11 Sep 2019 13:45

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBSD01

Tot Ion: 50 Resp: 20893

Ion Ratio Lower Upper

50 100

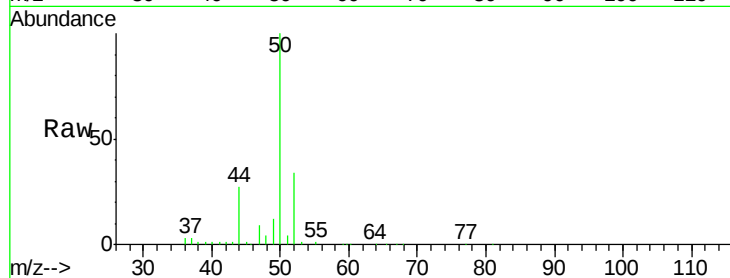
52 34.0 26.7 40.1

Manual Integrations

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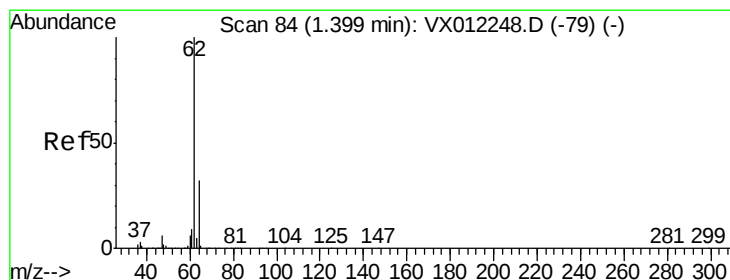
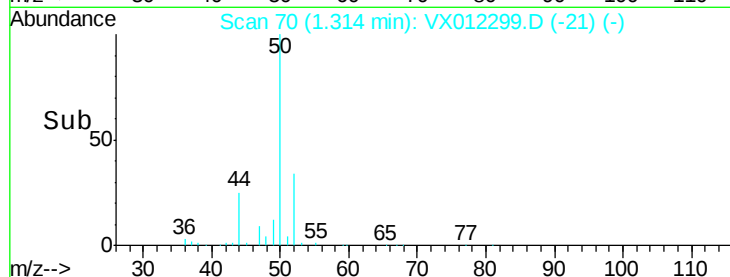
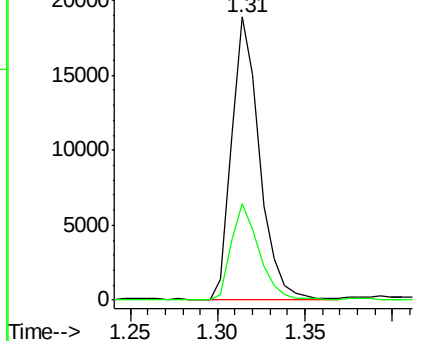
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 22.248 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012299.D

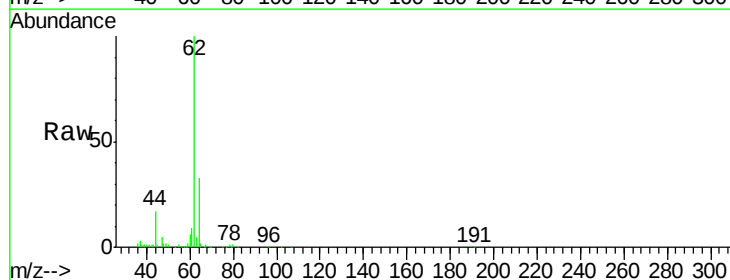
Acq: 11 Sep 2019 13:45

Tgt Ion: 62 Resp: 20412

Ion Ratio Lower Upper

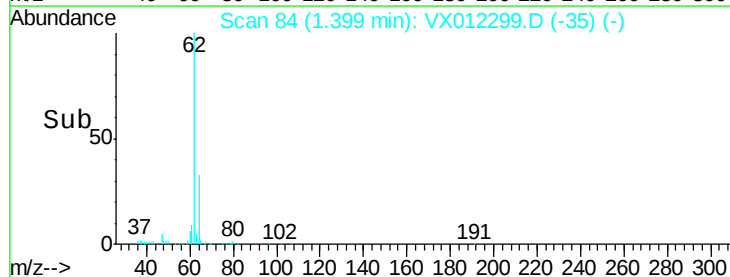
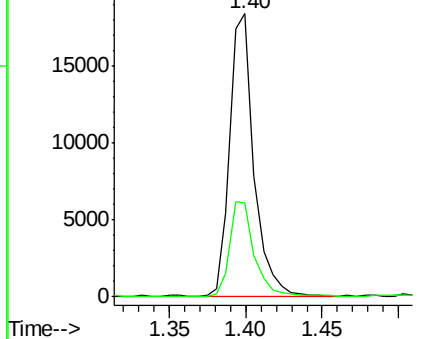
62 100

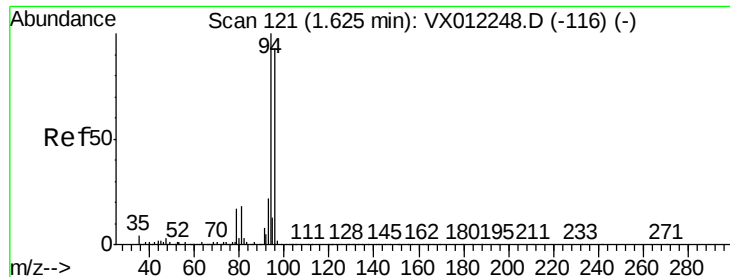
64 33.4 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 23.521 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012299.D

Acq: 11 Sep 2019 13:45

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBSD01

Tot Ion: 94 Resp: 9659

Ion Ratio Lower Upper

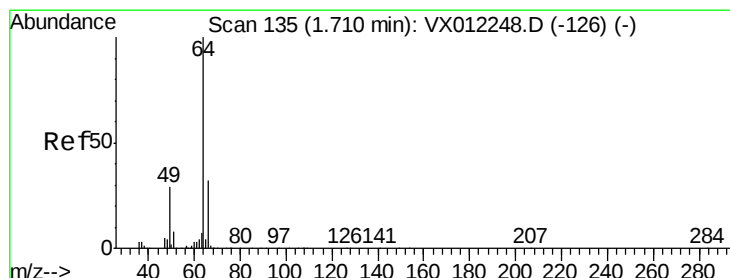
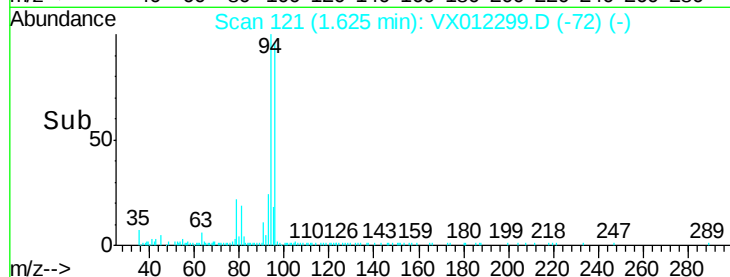
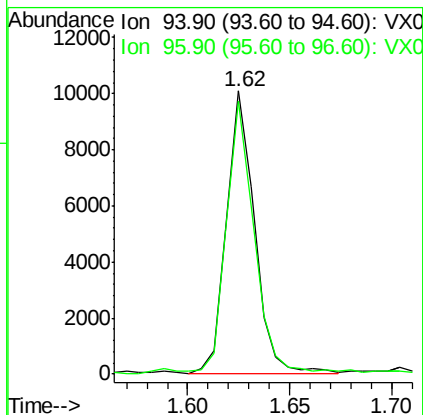
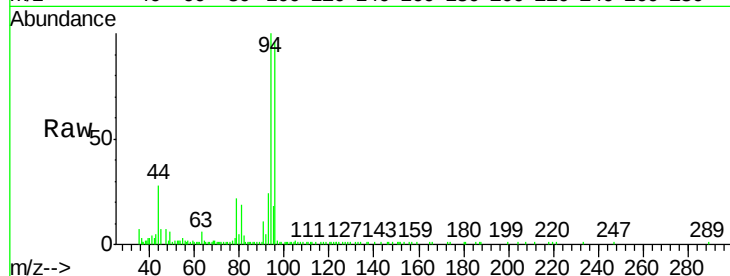
94 100

96 95.3 74.0 111.0

Manual Integrations
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#6

Chloroethane

Concen: 20.536 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012299.D

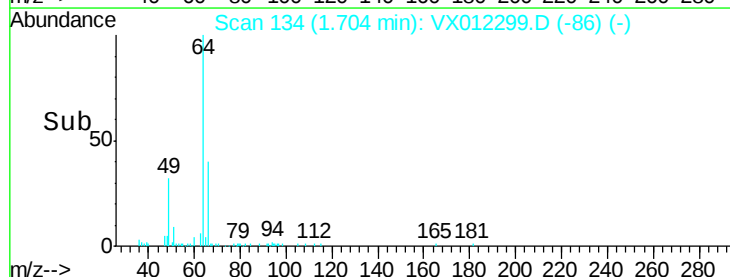
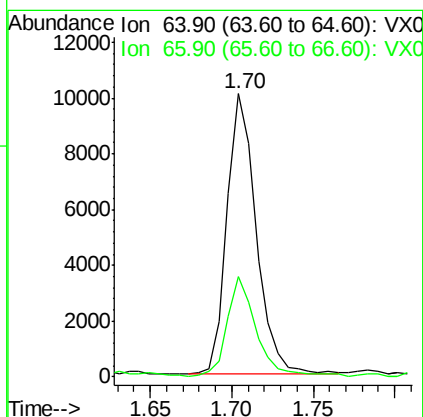
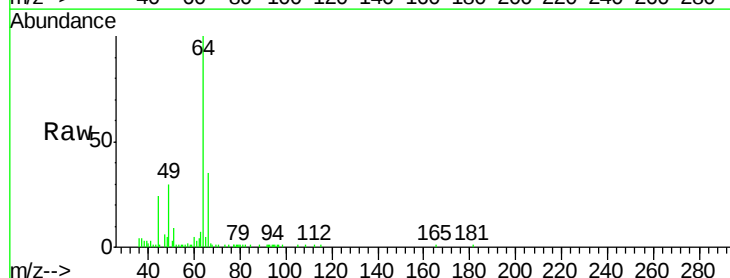
Acq: 11 Sep 2019 13:45

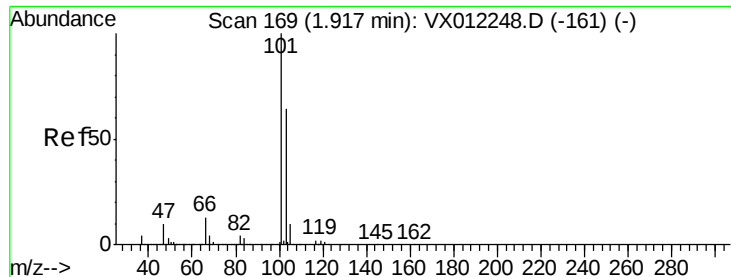
Tgt Ion: 64 Resp: 12599

Ion Ratio Lower Upper

64 100

66 35.7 25.8 38.6





#7

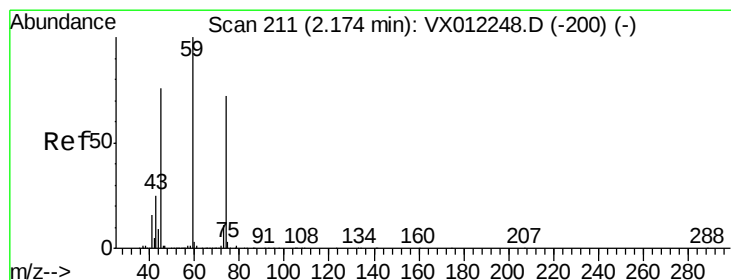
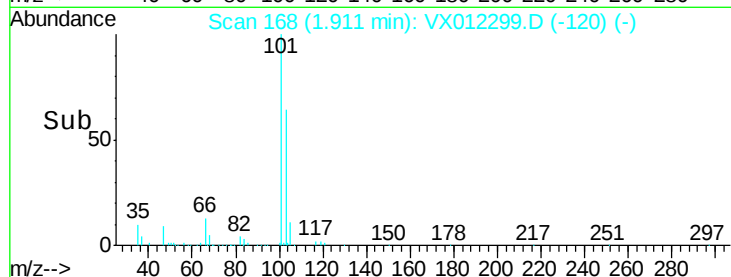
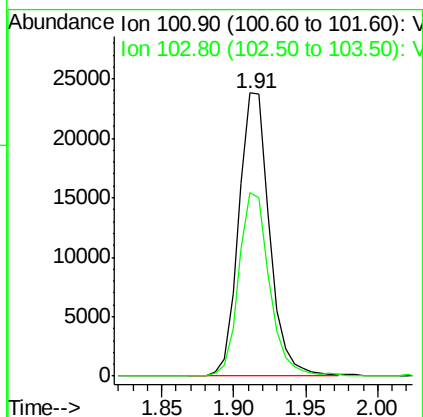
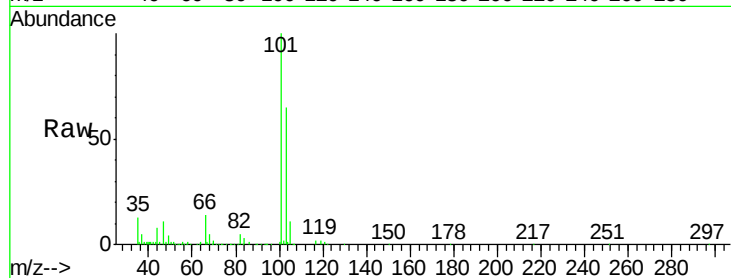
Trichlorofluoromethane
Concen: 21.345 ug/l
RT: 1.91 min Scan# 168
Delta R.T. -0.01 min
Lab File: VX012299.D
Acq: 11 Sep 2019 13:45

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.4	77.2

Manual Integrations
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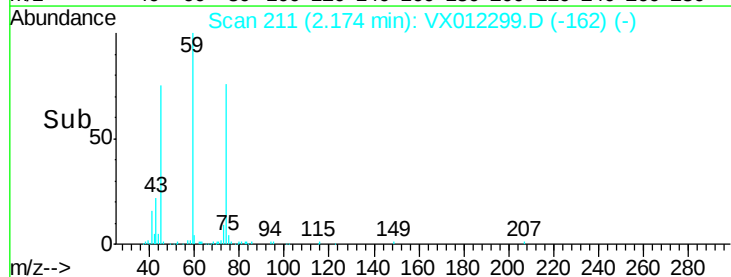
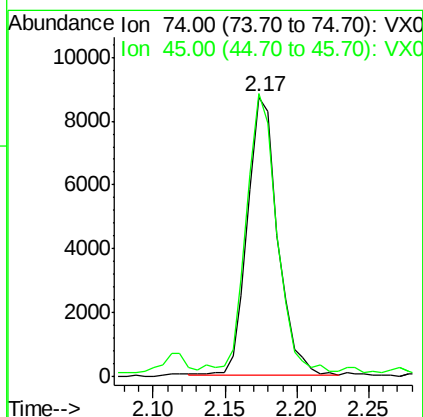
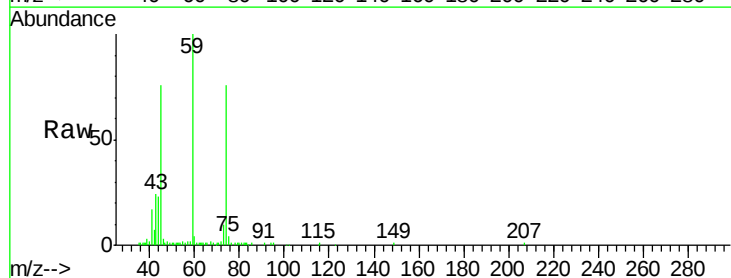
MMDadoda
9/12/2019 9:26:33 AM

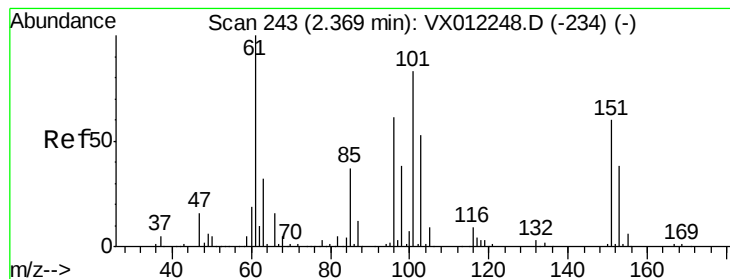


#8

Diethyl Ether
Concen: 22.211 ug/l
RT: 2.17 min Scan# 211
Delta R.T. 0.00 min
Lab File: VX012299.D
Acq: 11 Sep 2019 13:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.2	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.123 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX012299.D

Acq: 11 Sep 2019 13:45

Instrument :

MSVOA_X

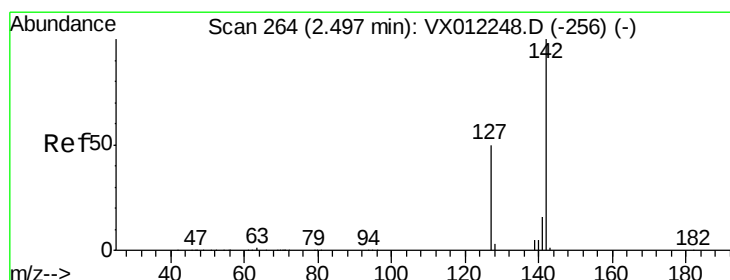
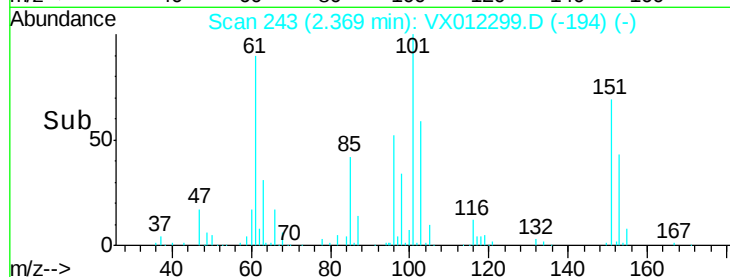
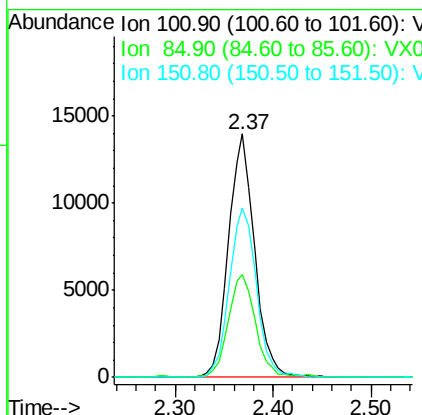
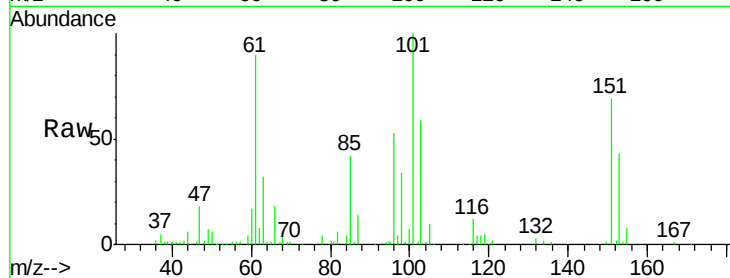
ClientSampleId :

VX0911SBS01

Tot Ion:	101	Resp:	25878
Ion Ratio	Lower	Upper	
101	100		
85	44.2	37.0	55.6
151	72.1	58.6	87.8

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#10

Methyl Iodide

Concen: 15.358 ug/l

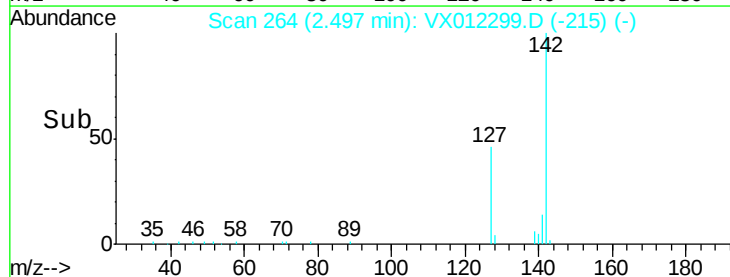
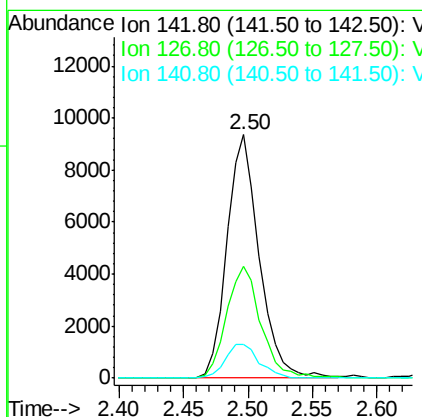
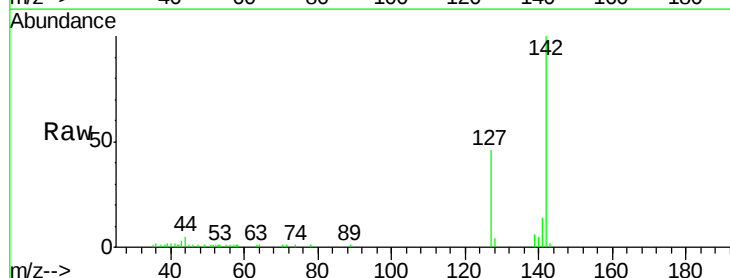
RT: 2.50 min Scan# 264

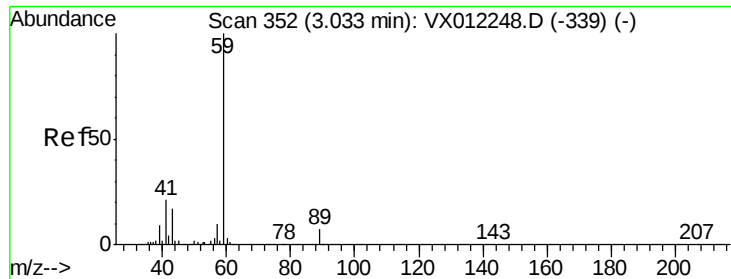
Delta R.T. 0.00 min

Lab File: VX012299.D

Acq: 11 Sep 2019 13:45

Tgt Ion:	142	Resp:	16358
Ion Ratio	Lower	Upper	
142	100		
127	49.0	40.6	61.0
141	14.5	12.0	18.0





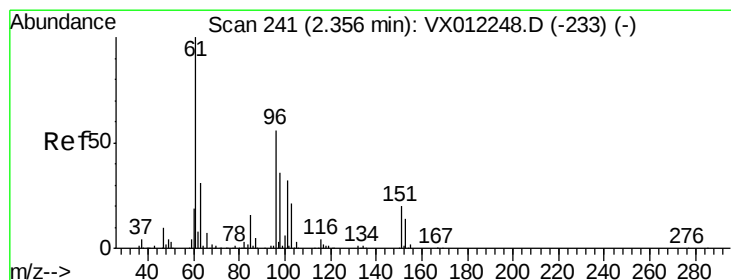
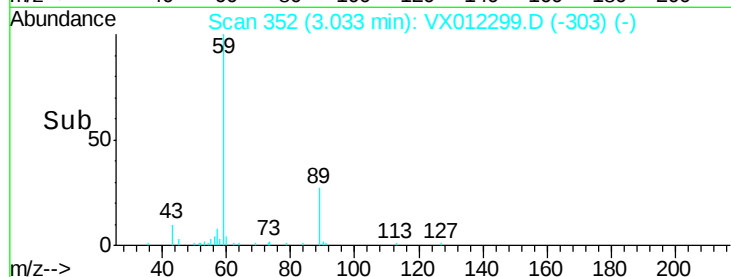
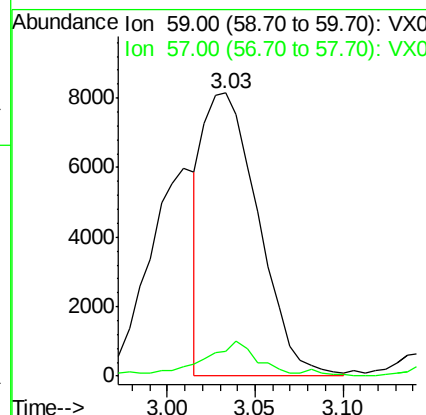
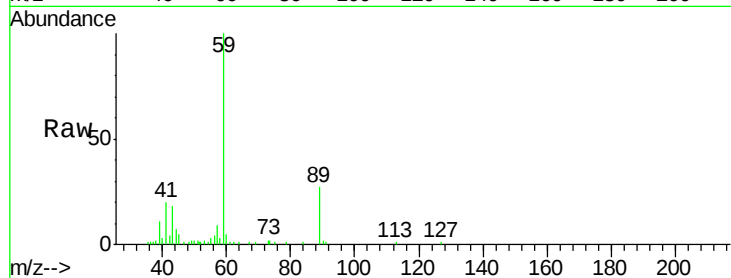
#11
Tert butyl alcohol
Concen: 89.144 ug/l m
RT: 3.03 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX012299.D
Acq: 11 Sep 2019 13:45

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS01

Tot Ion: 59 Resp: 17924
Ion Ratio Lower Upper
59 100
57 12.2 7.8 11.6#

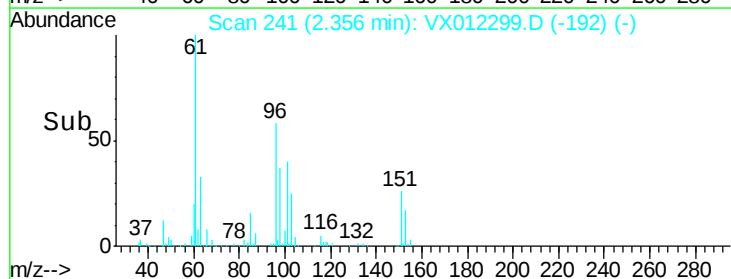
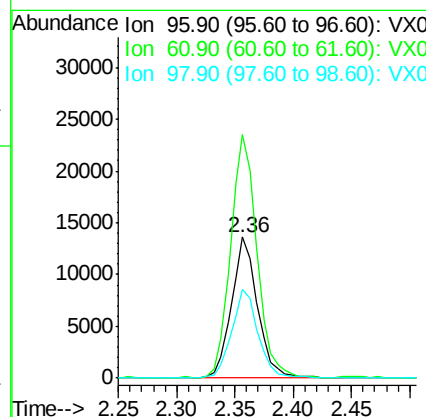
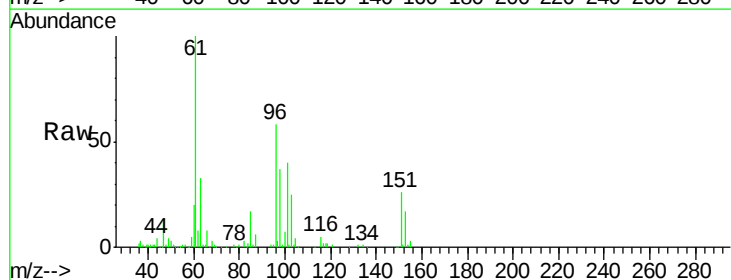
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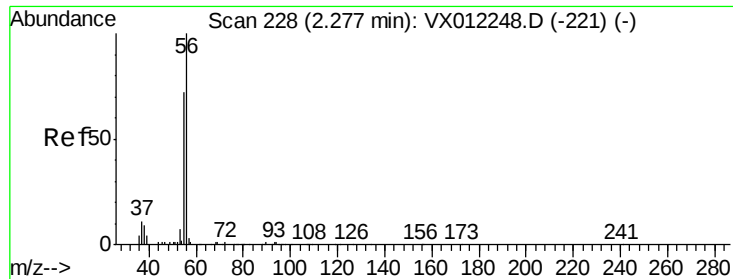
MMDadoda
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#12
1,1-Dichloroethene
Concen: 22.288 ug/l
RT: 2.36 min Scan# 241
Delta R.T. 0.00 min
Lab File: VX012299.D
Acq: 11 Sep 2019 13:45

Tgt Ion: 96 Resp: 21176
Ion Ratio Lower Upper
96 100
61 172.2 142.2 213.2
98 63.1 51.3 76.9





#13

Acrolein

Concen: 102.364 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX012299.D

Acq: 11 Sep 2019 13:45

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS01

Tot Ion: 56 Resp: 9499

Ion Ratio Lower Upper

56 100

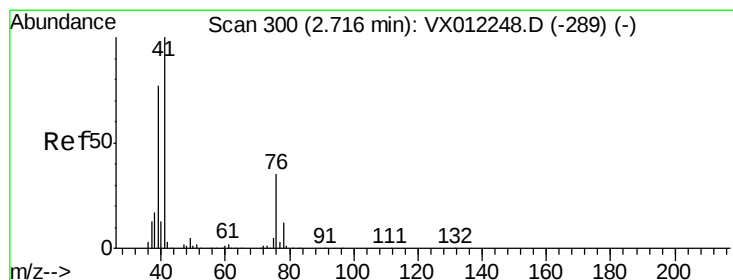
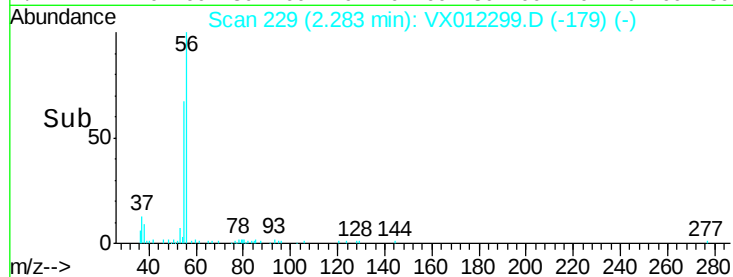
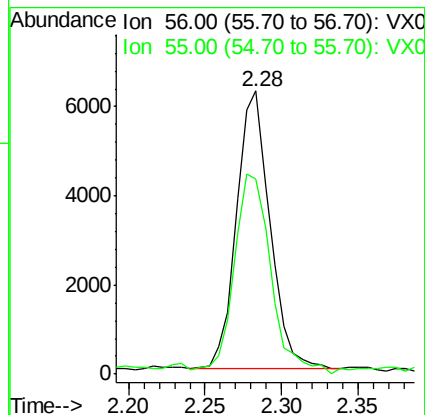
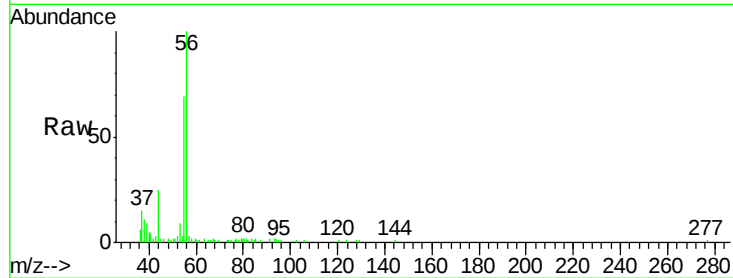
55 79.3 59.8 89.6

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#14

Allyl chloride

Concen: 21.140 ug/l

RT: 2.71 min Scan# 299

Delta R.T. -0.01 min

Lab File: VX012299.D

Acq: 11 Sep 2019 13:45

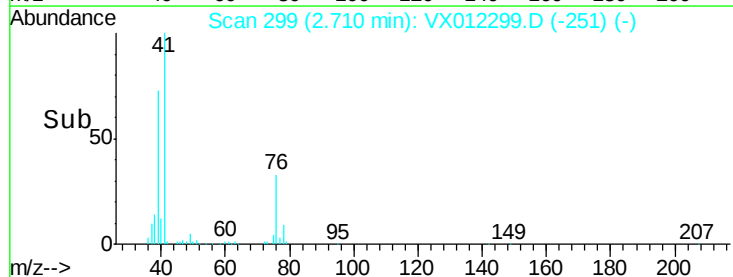
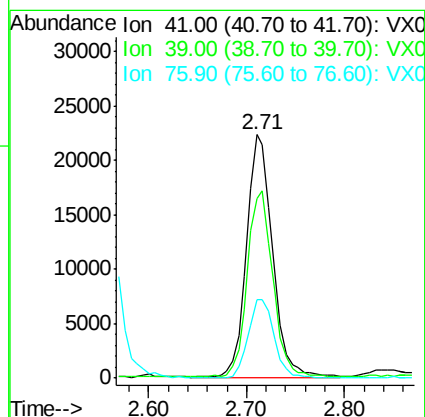
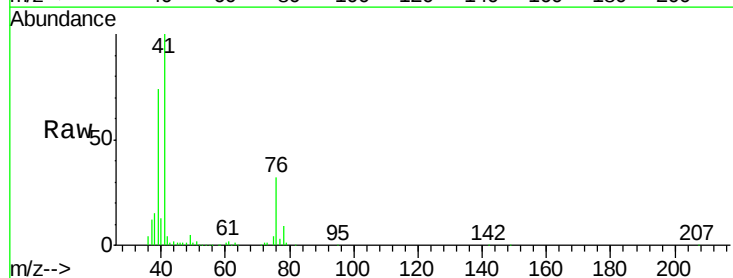
Tgt Ion: 41 Resp: 40950

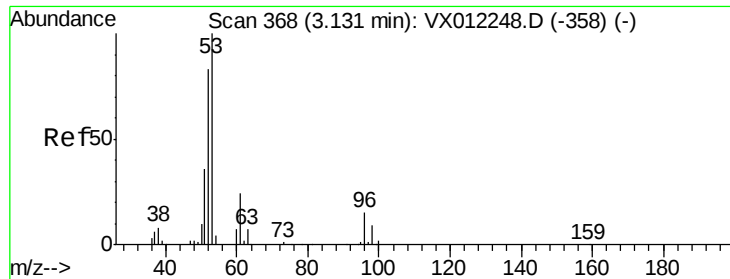
Ion Ratio Lower Upper

41 100

39 75.4 58.6 87.8

76 32.5 26.3 39.5





#15

Acrylonitrile

Concen: 108.348 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012299.D

Acq: 11 Sep 2019 13:45

Instrument :

MSVOA_X

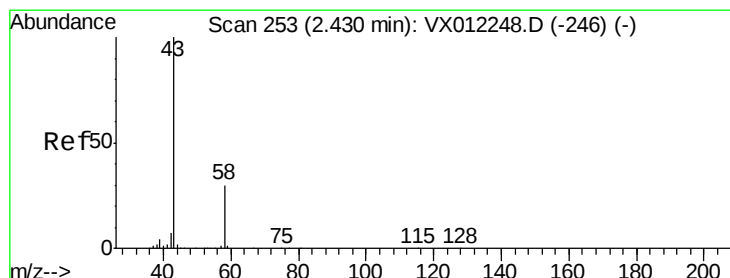
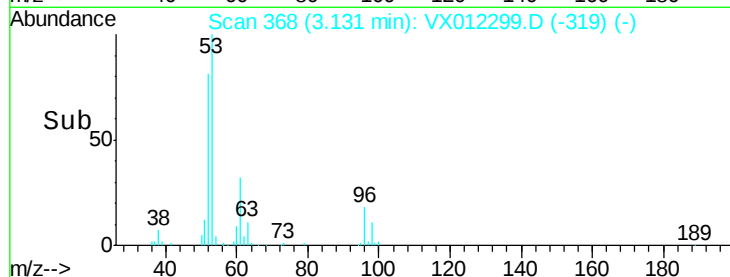
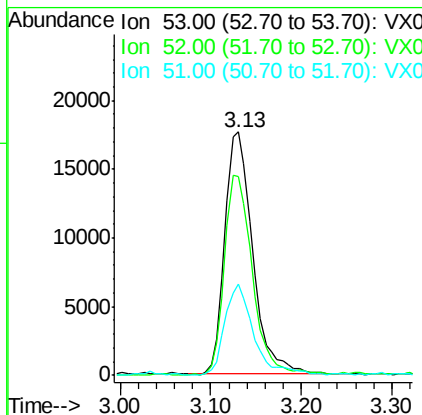
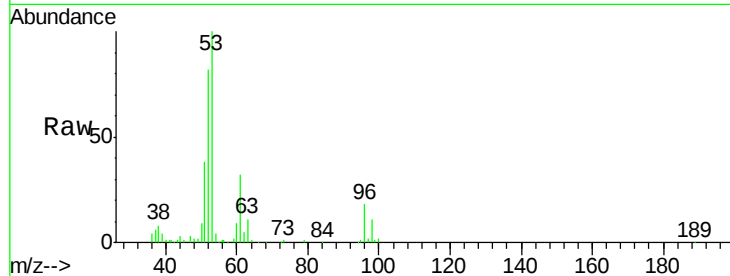
ClientSampleId :

VX0911SBS01

Tot Ion:	53	Resp:	37949
Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.8	100.2
51	37.8	30.7	46.1

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#16

Acetone

Concen: 107.792 ug/l

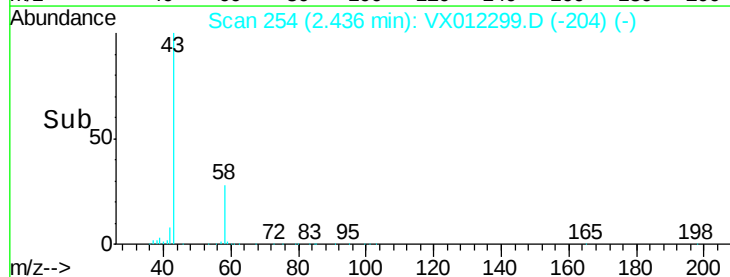
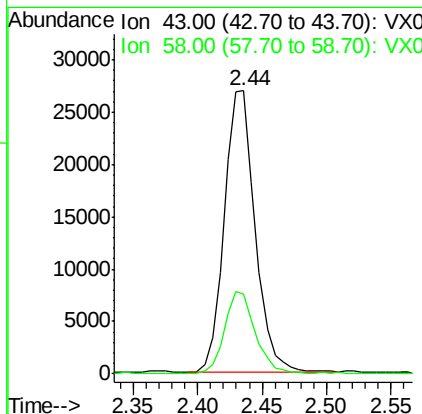
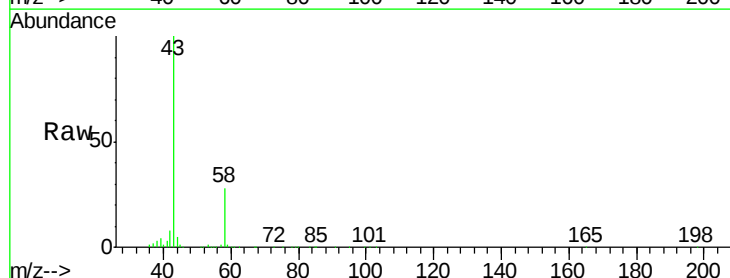
RT: 2.44 min Scan# 254

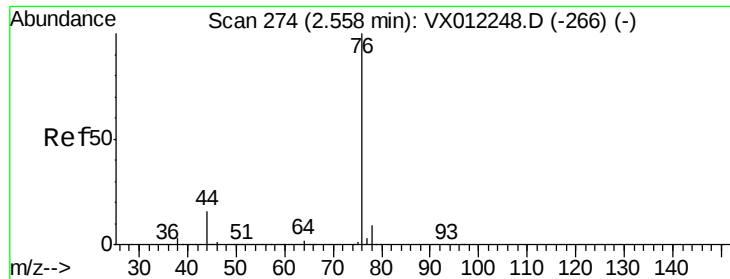
Delta R.T. 0.01 min

Lab File: VX012299.D

Acq: 11 Sep 2019 13:45

Tgt Ion:	43	Resp:	45298
Ion	Ratio	Lower	Upper
43	100		
58	28.0	23.6	35.4





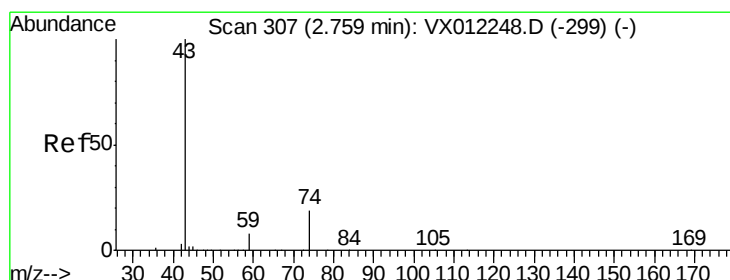
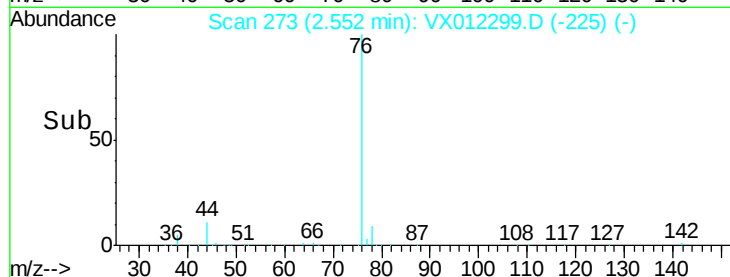
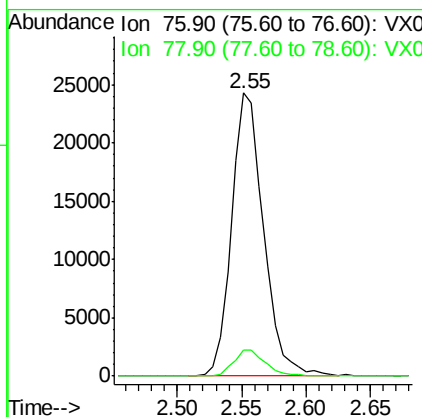
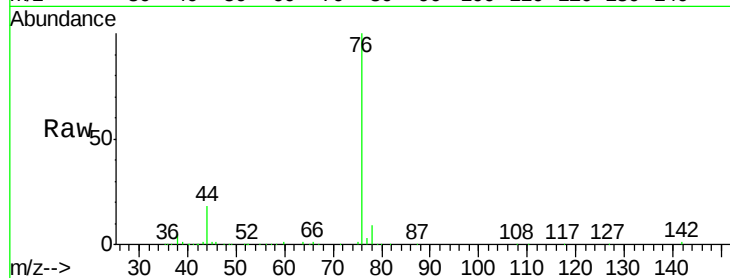
#17
Carbon Disulfide
Concen: 21.012 ug/l
RT: 2.55 min Scan# 273
Delta R.T. -0.01 min
Lab File: VX012299.D
Acq: 11 Sep 2019 13:45

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS01

Tot Ion: 76 Resp: 41922
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2

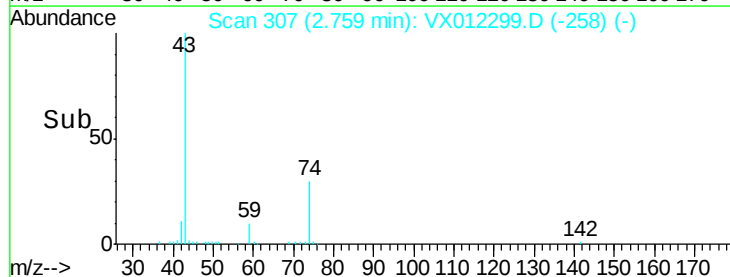
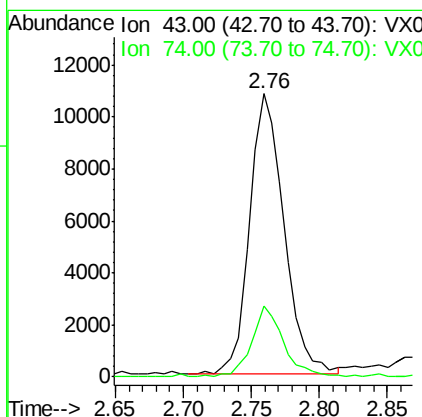
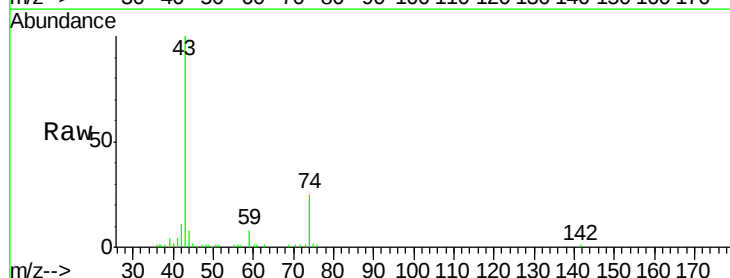
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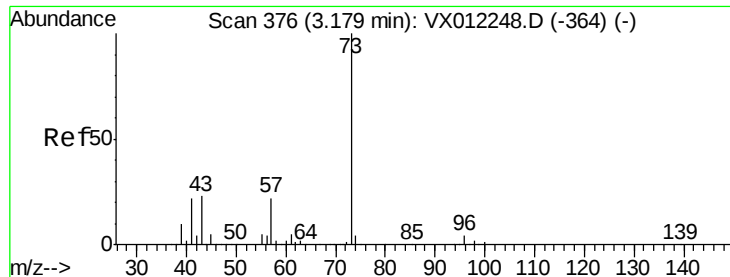
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#18
Methyl Acetate
Concen: 21.760 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.00 min
Lab File: VX012299.D
Acq: 11 Sep 2019 13:45

Tgt Ion: 43 Resp: 19220
Ion Ratio Lower Upper
43 100
74 23.4 18.3 27.5





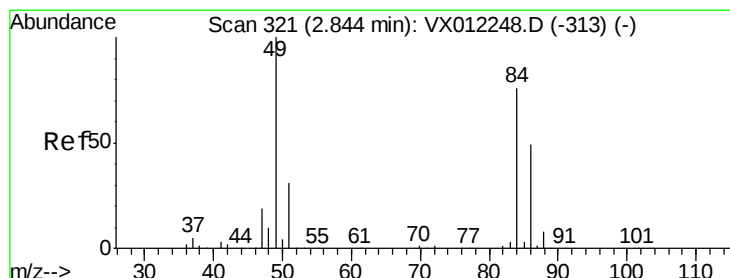
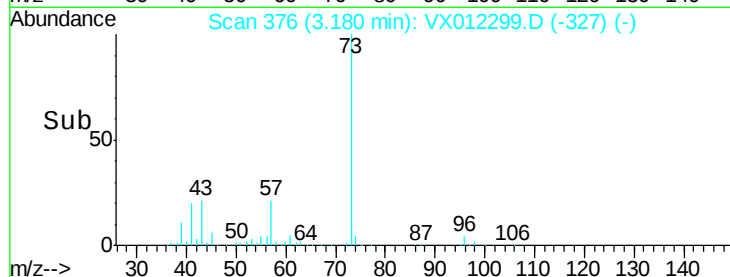
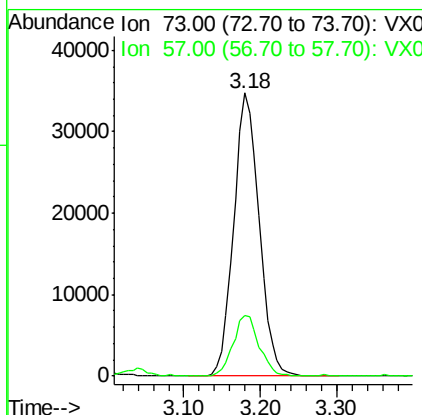
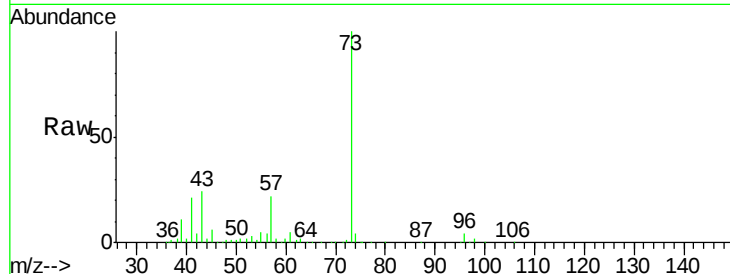
#19
Methvl tert-butvl Ether
Concen: 21.366 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX012299.D
Acq: 11 Sep 2019 13:45

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBSD01

Tot Ion: 73 Resp: 80168
Ion Ratio Lower Upper
73 100
57 21.5 17.7 26.5

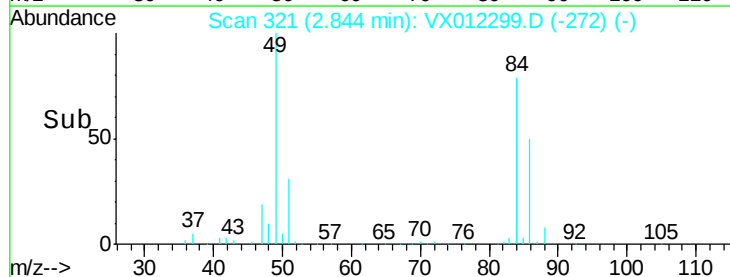
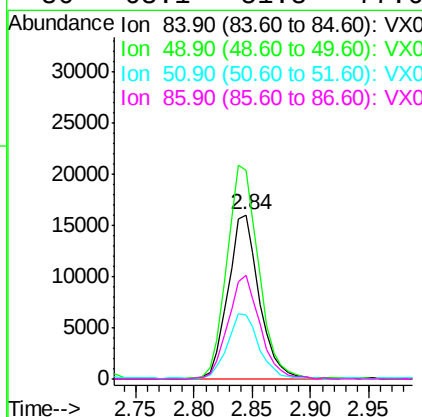
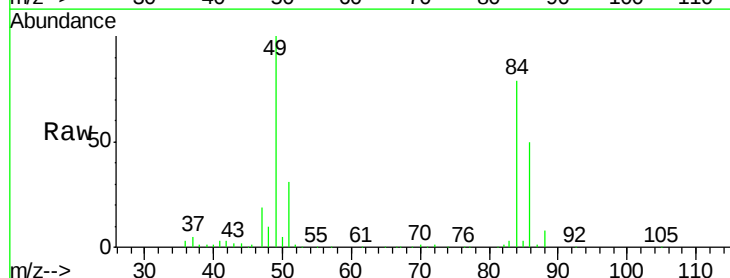
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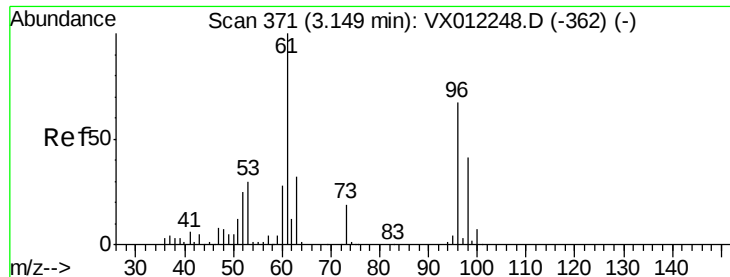
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#20
Methylene Chloride
Concen: 21.349 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012299.D
Acq: 11 Sep 2019 13:45

Tgt Ion: 84 Resp: 29970
Ion Ratio Lower Upper
84 100
49 126.1 105.0 157.6
51 38.6 32.6 48.8
86 63.1 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 21.607 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.00 min

Lab File: VX012299.D

Acq: 11 Sep 2019 13:45

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS01

Tot Ion: 96 Resp: 24492

Ion Ratio Lower Upper

96 100

61 145.7 119.4 179.2

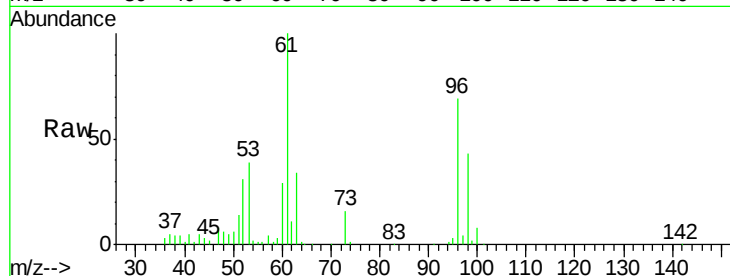
98 63.1 48.4 72.6

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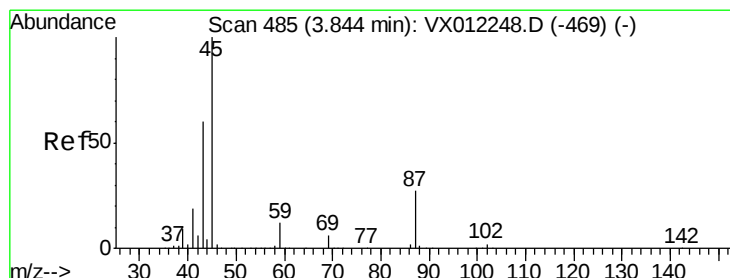
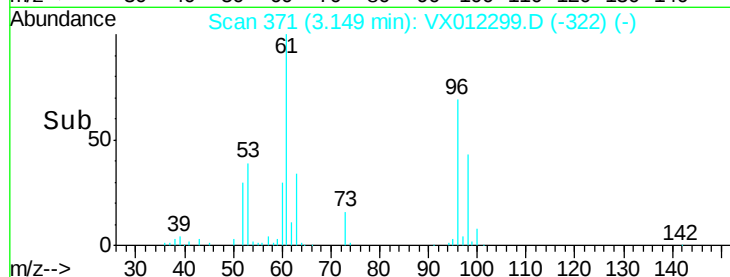
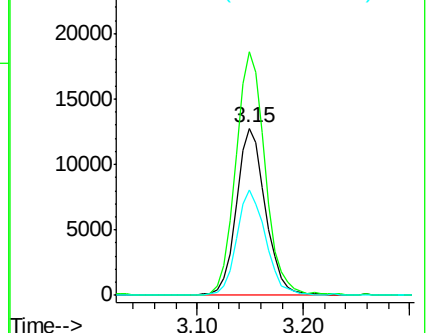
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Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 21.096 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX012299.D

Acq: 11 Sep 2019 13:45

Tgt Ion: 45 Resp: 93455

Ion Ratio Lower Upper

45 100

43 65.5 48.3 72.5

87 26.9 21.8 32.8

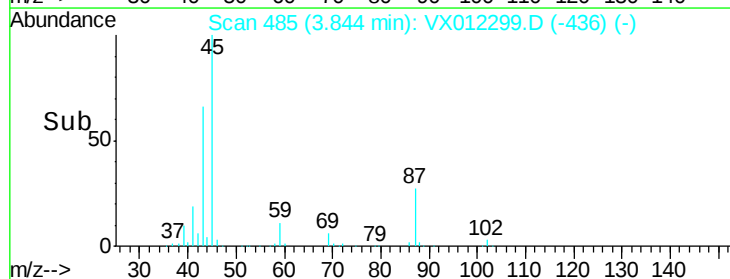
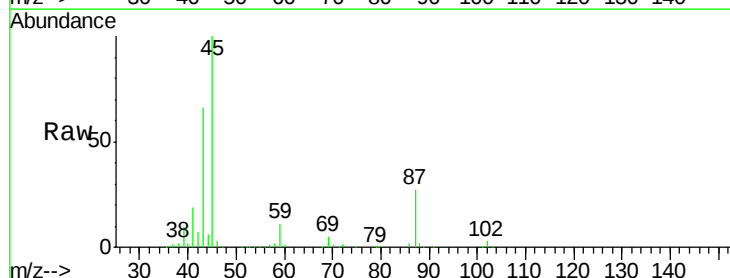
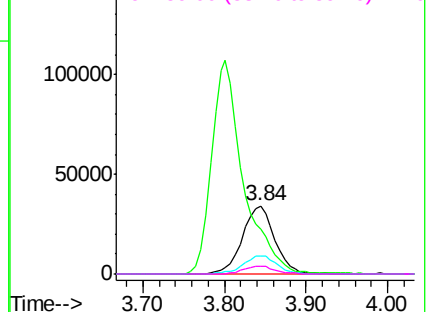
59 10.6 9.1 13.7

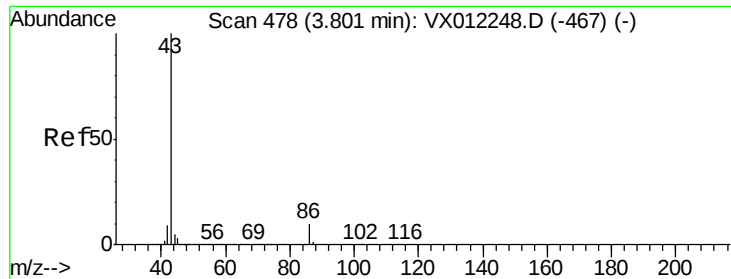
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





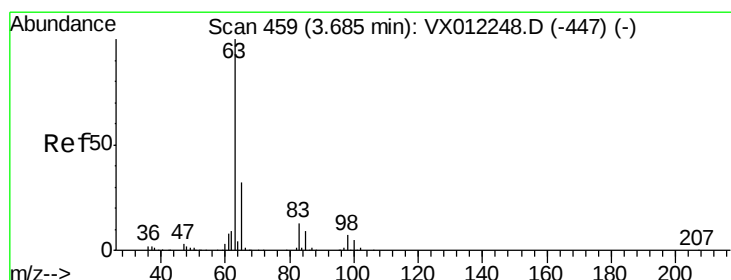
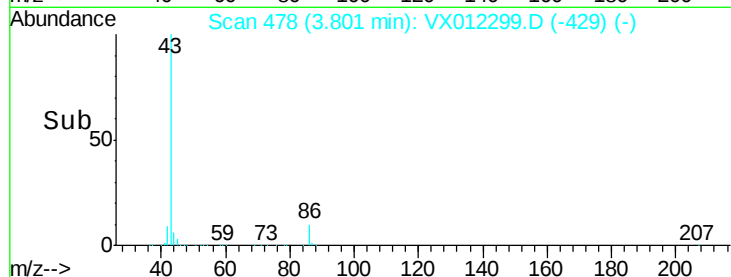
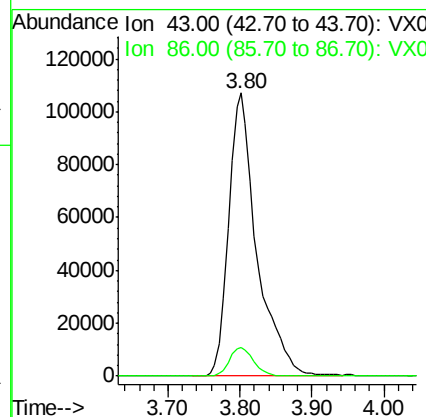
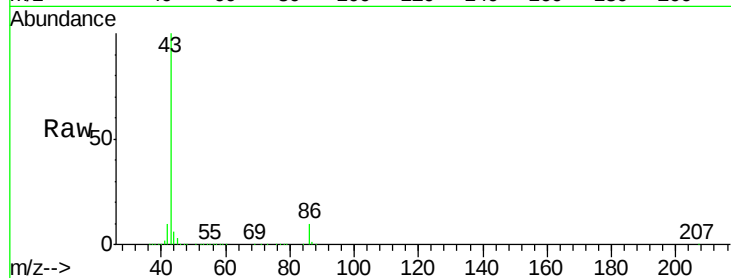
#23
 Vinyl Acetate
 Concen: 106.983 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. 0.00 min
 Lab File: VX012299.D
 Acq: 11 Sep 2019 13:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBS01

Tot Ion	43	Resp	290779
Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.3	12.5

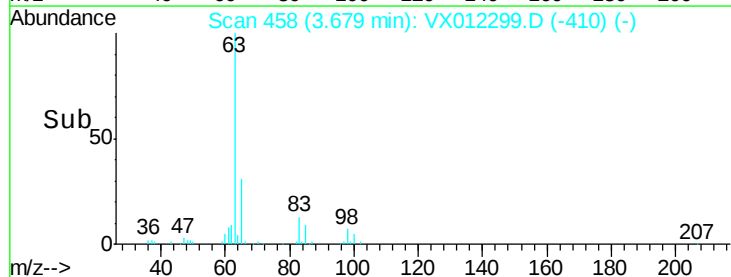
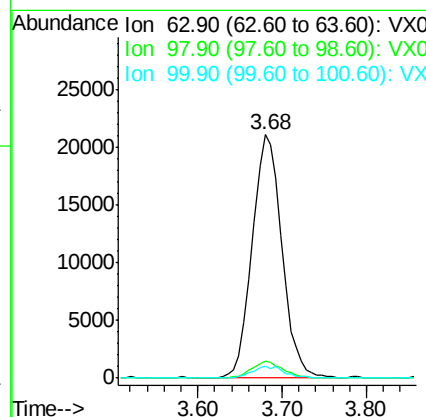
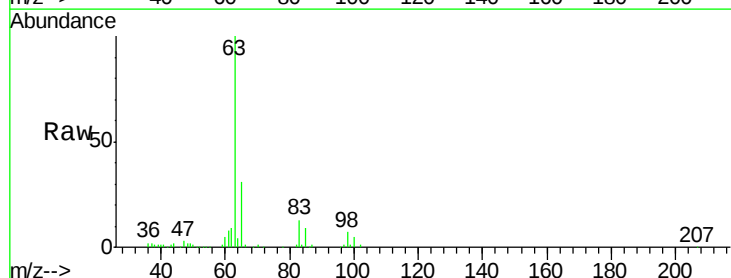
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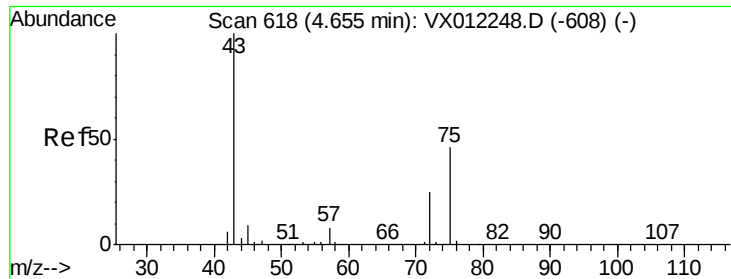
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#24
 1,1-Dichloroethane
 Concen: 21.324 ug/l
 RT: 3.68 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: VX012299.D
 Acq: 11 Sep 2019 13:45

Tgt Ion	63	Resp	50600
Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.4	10.1
100	4.8	2.4	7.2





#25

2-Butanone

Concen: 108.996 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX012299.D

Acq: 11 Sep 2019 13:45

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS01

Tot Ion: 43 Resp: 58554

Ion Ratio Lower Upper

43 100

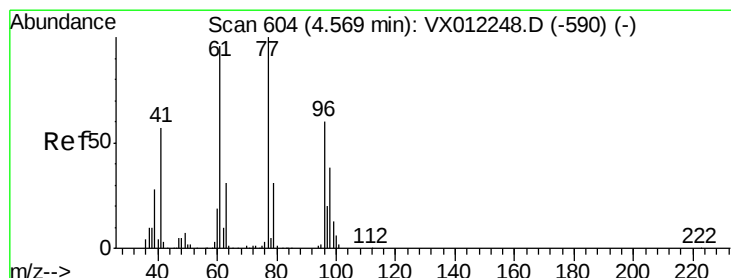
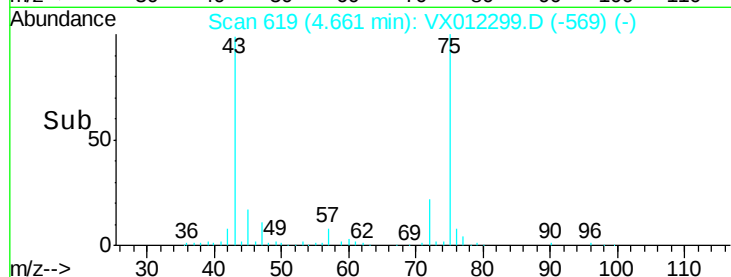
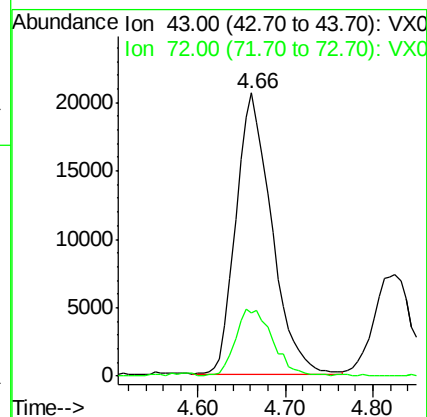
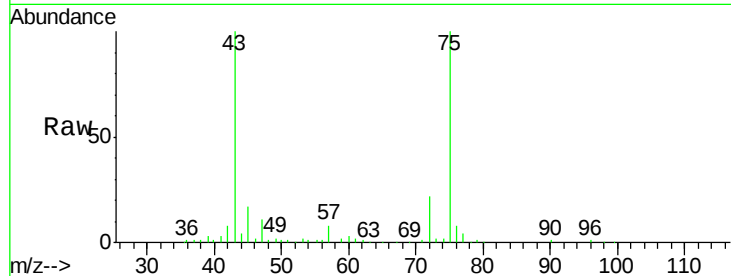
72 21.7 20.2 30.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 22.137 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012299.D

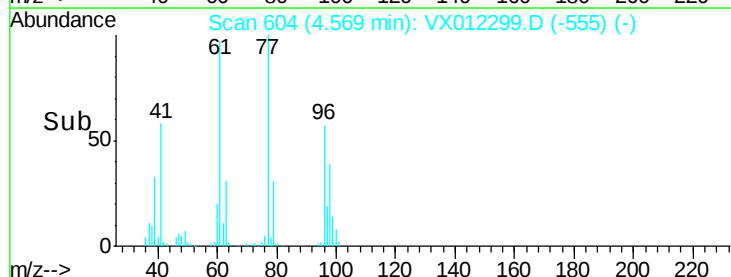
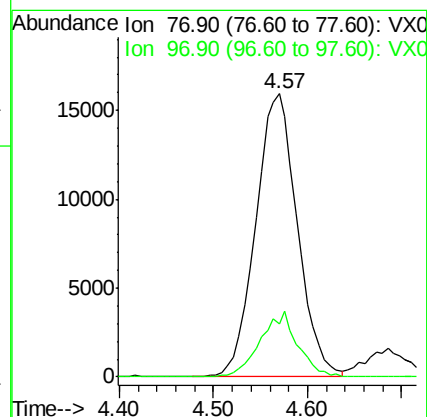
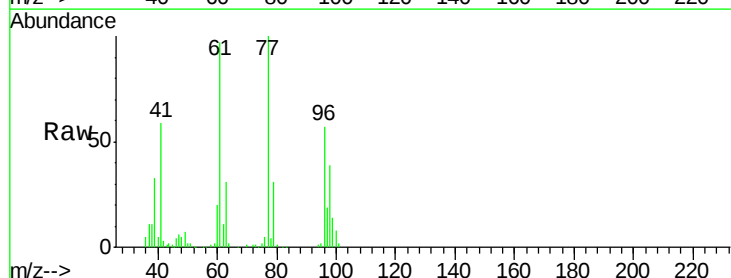
Acq: 11 Sep 2019 13:45

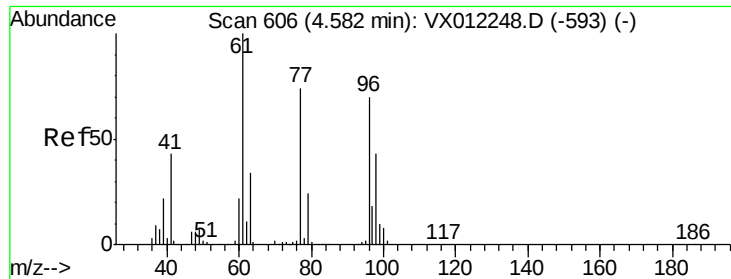
Tgt Ion: 77 Resp: 49317

Ion Ratio Lower Upper

77 100

97 20.7 10.7 32.1





#27

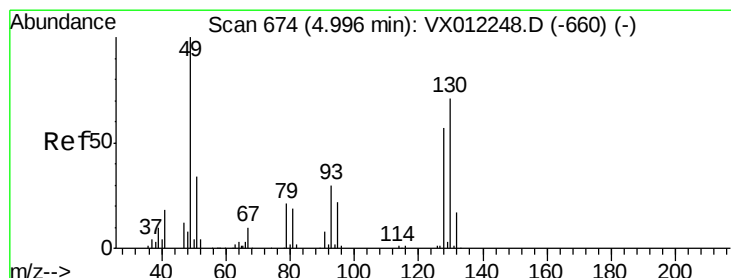
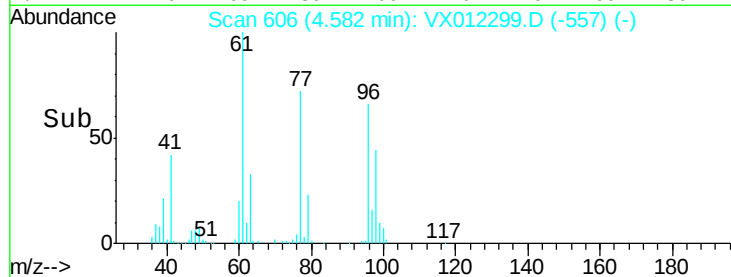
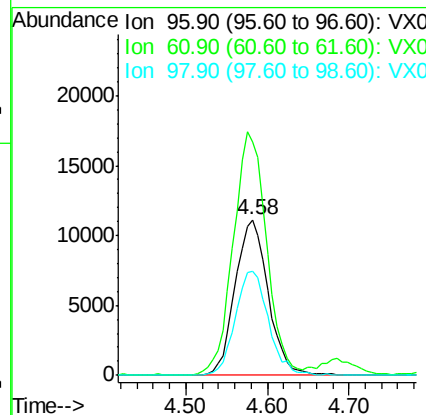
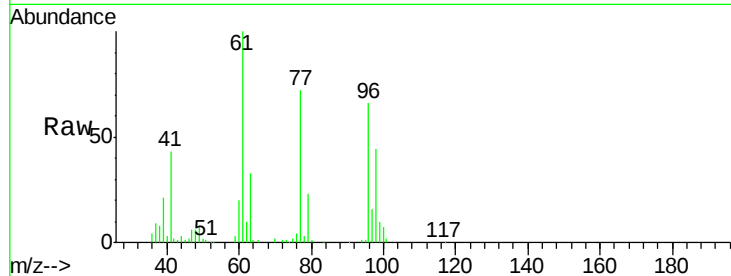
cis-1,2-Dichloroethene
 Concen: 21.306 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VX012299.D
 Acq: 11 Sep 2019 13:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.7	0.0	310.4
98	67.4	0.0	128.8

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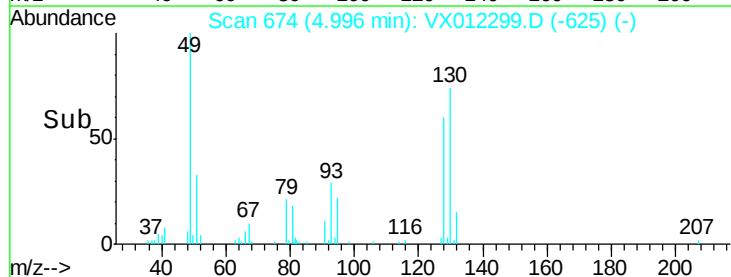
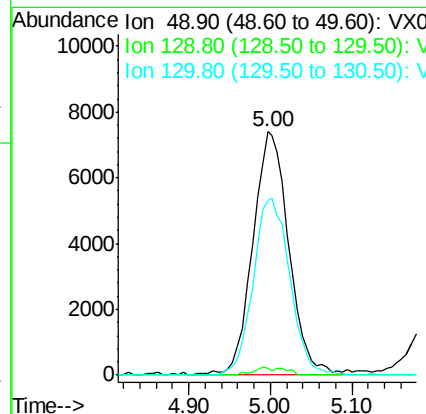
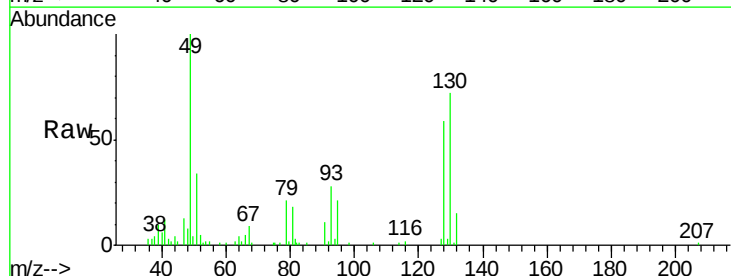
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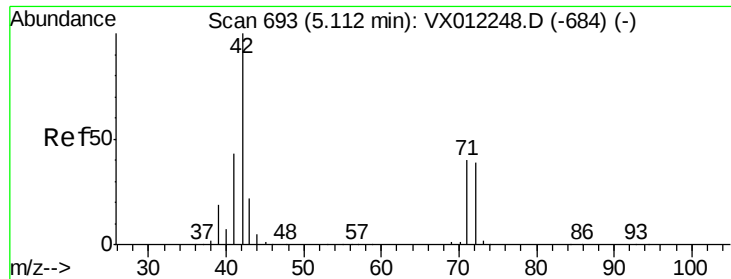


#28

Bromochloromethane
 Concen: 20.480 ug/l
 RT: 5.00 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VX012299.D
 Acq: 11 Sep 2019 13:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	5.2
130	73.5	60.1	90.1





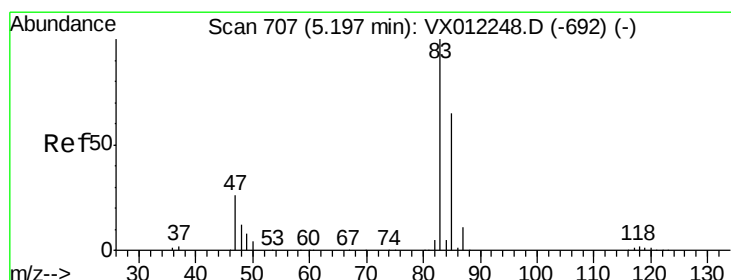
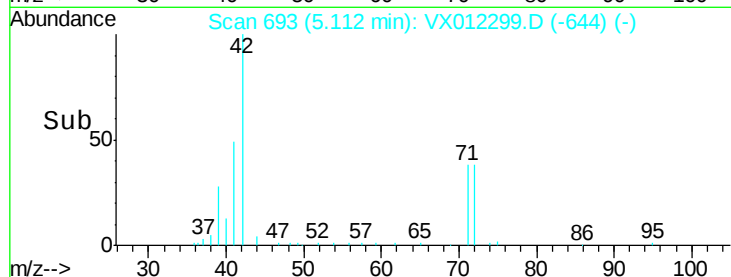
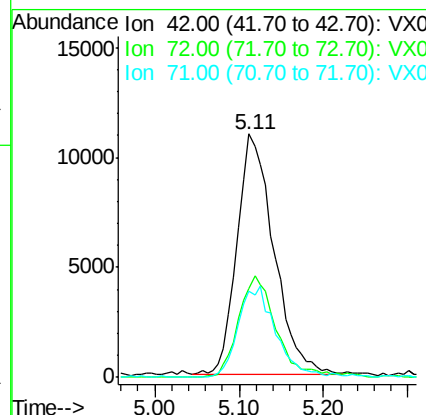
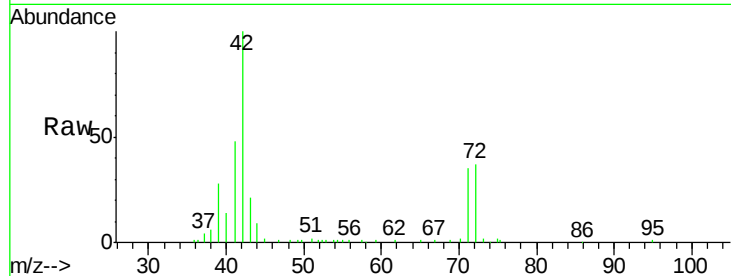
#29
Tetrahydrofuran
Concen: 112.659 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.00 min
Lab File: VX012299.D
Acq: 11 Sep 2019 13:45

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS01

Tot Ion:	42	Resp:	32654
Ion Ratio	Lower	Upper	
42	100		
72	43.5	35.2	52.8
71	38.2	32.5	48.7

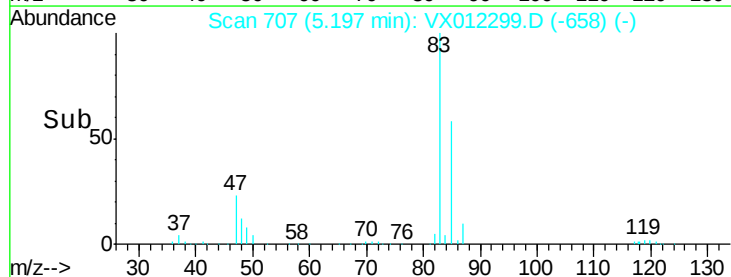
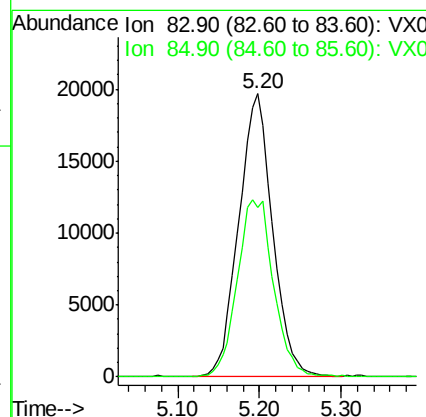
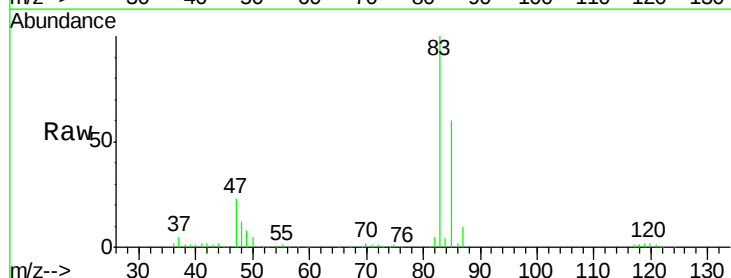
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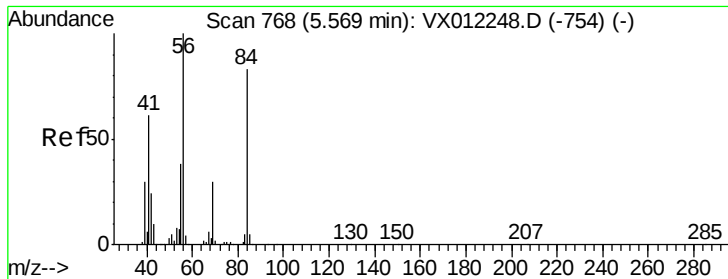
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#30
Chloroform
Concen: 21.187 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX012299.D
Acq: 11 Sep 2019 13:45

Tgt Ion:	83	Resp:	56691
Ion Ratio	Lower	Upper	
83	100		
85	59.7	52.3	78.5





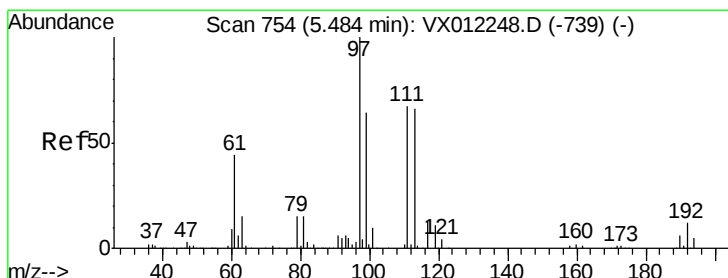
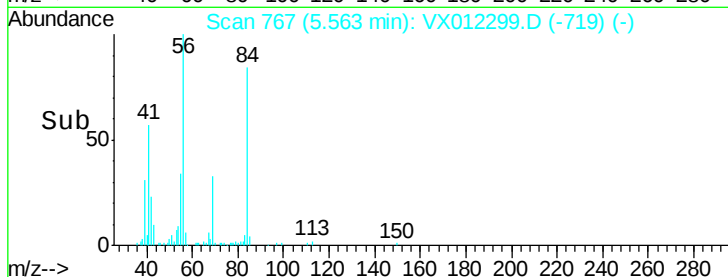
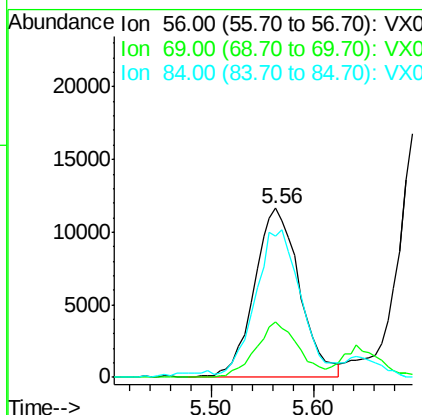
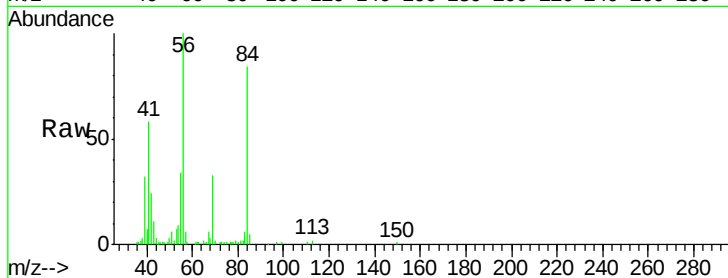
#31
Cyclohexane
Concen: 21.758 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX012299.D
Acq: 11 Sep 2019 13:45

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.1	23.8	35.6
84	81.5	66.6	100.0

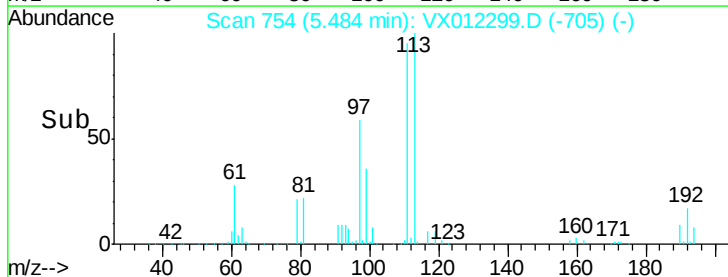
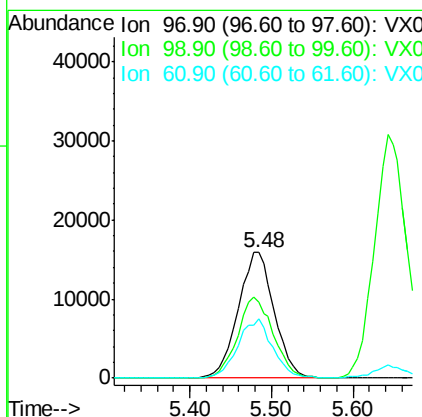
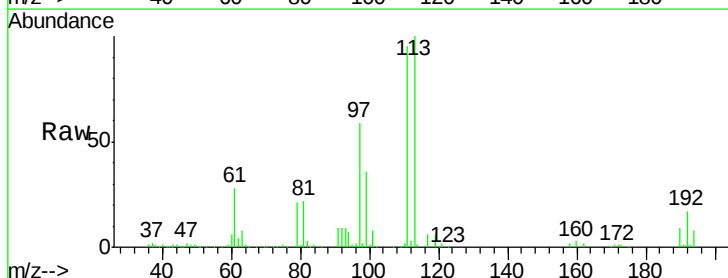
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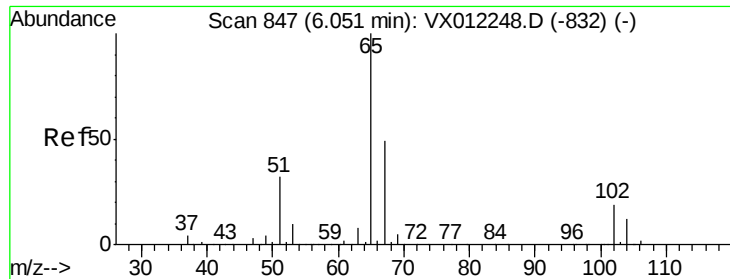
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#32
1,1,1-Trichloroethane
Concen: 21.114 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX012299.D
Acq: 11 Sep 2019 13:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.3	76.9
61	45.4	35.4	53.0





#33

1,2-Dichloroethane-d4

Concen: 53.755 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012299.D

Acq: 11 Sep 2019 13:45

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS01

Tot Ion: 65 Resp: 95425

Ion Ratio Lower Upper

65 100

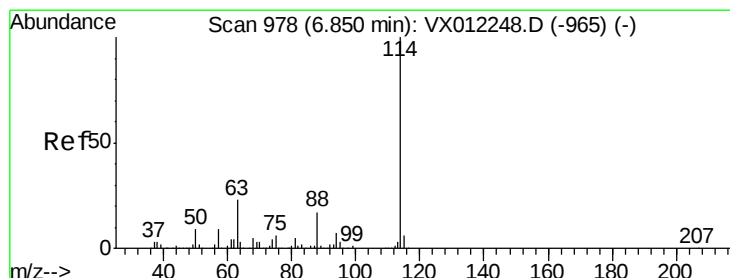
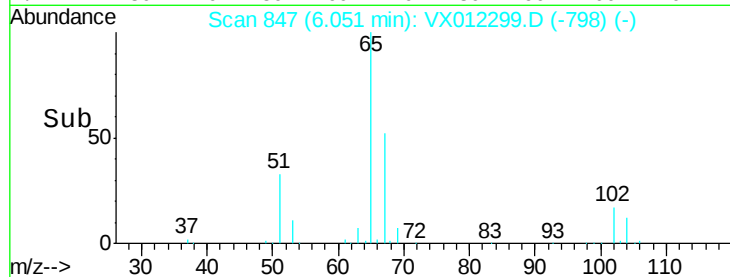
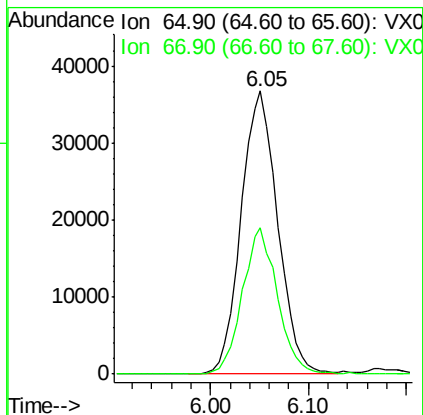
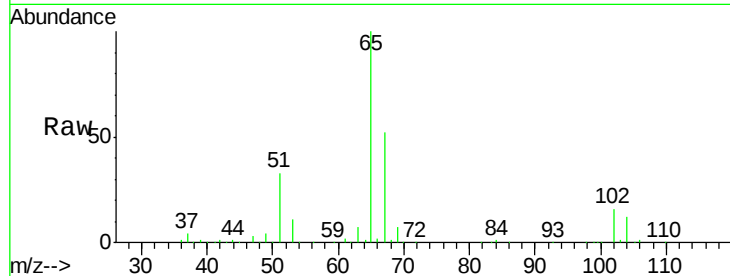
67 49.7 0.0 99.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012299.D

Acq: 11 Sep 2019 13:45

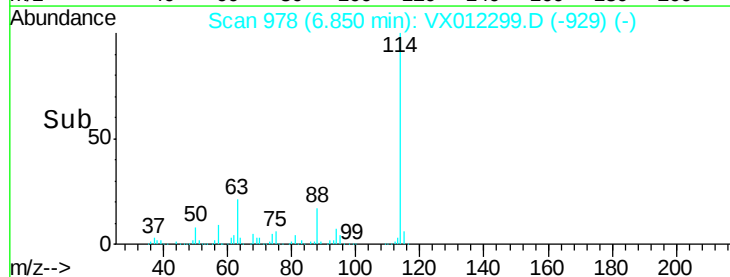
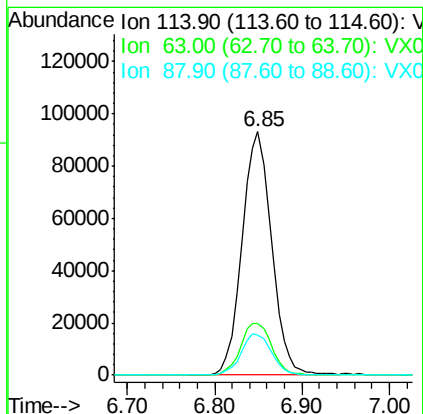
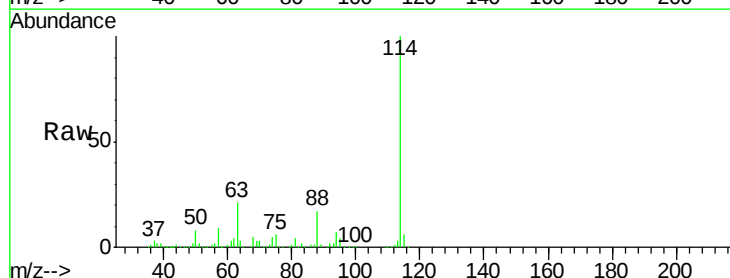
Tgt Ion: 114 Resp: 218549

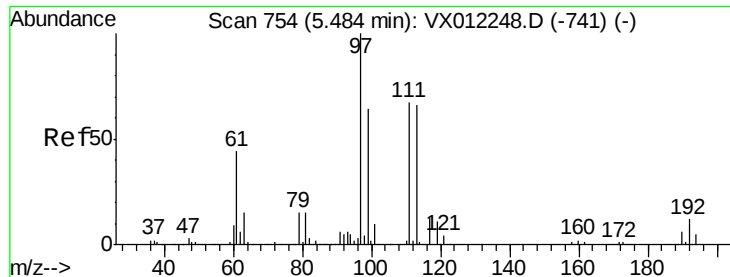
Ion Ratio Lower Upper

114 100

63 21.3 0.0 45.2

88 16.6 0.0 34.8





#35

Dibromofluoromethane

Concen: 53.400 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012299.D

Acq: 11 Sep 2019 13:45

Instrument :

MSVOA_X

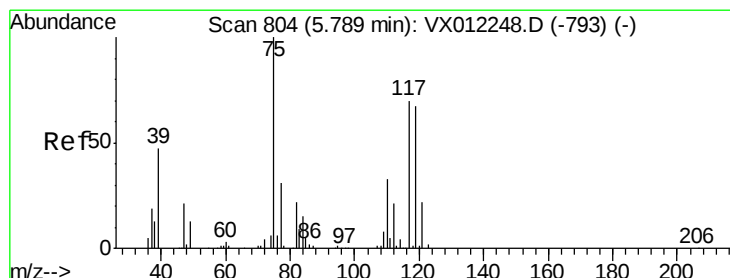
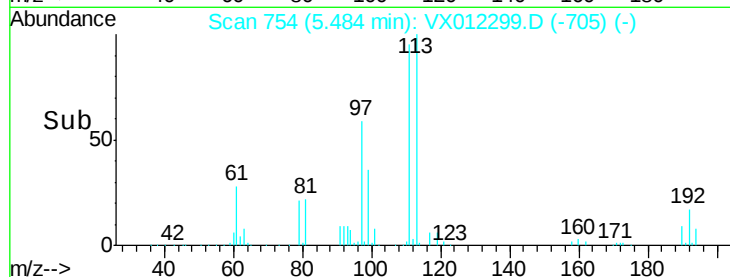
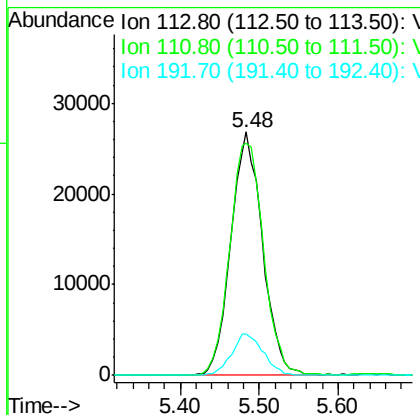
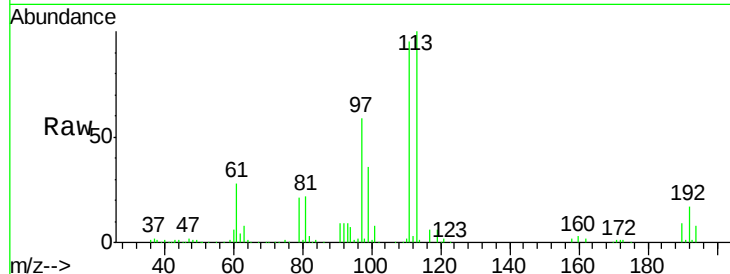
ClientSampleId :

VX0911SBS01

Tot Ion:	113	Resp:	74813
Ion	Ratio	Lower	Upper
113	100		
111	102.0	83.0	124.6
192	17.3	14.3	21.5

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#36

1,1-Dichloropropene

Concen: 22.216 ug/l

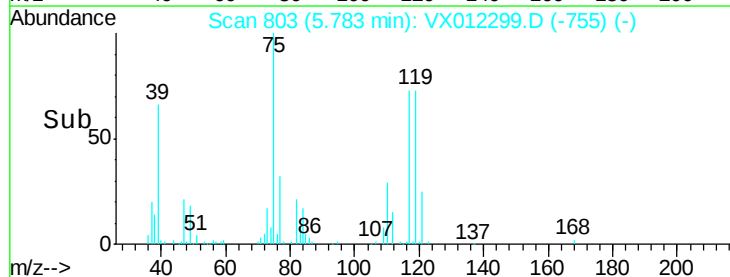
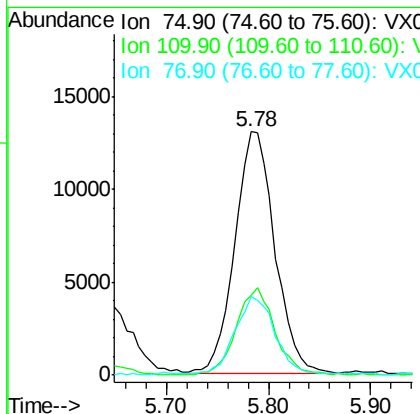
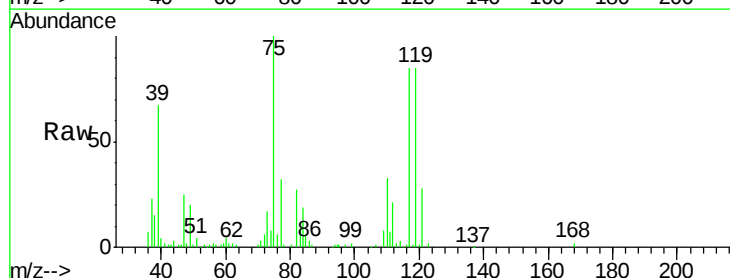
RT: 5.78 min Scan# 803

Delta R.T. -0.01 min

Lab File: VX012299.D

Acq: 11 Sep 2019 13:45

Tgt Ion:	75	Resp:	35403
Ion	Ratio	Lower	Upper
75	100		
110	35.1	16.8	50.4
77	31.4	24.5	36.7





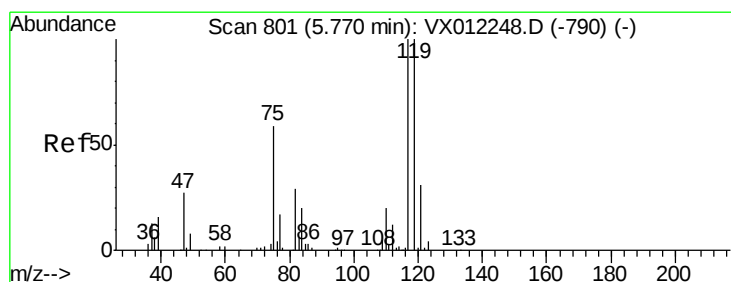
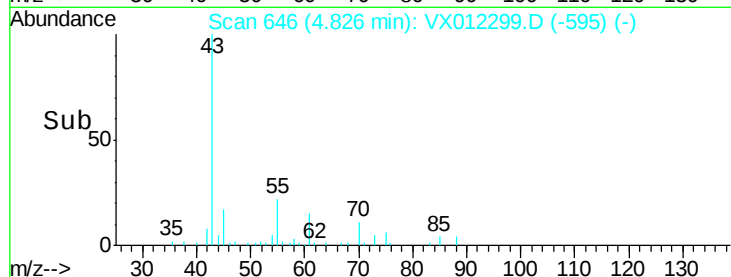
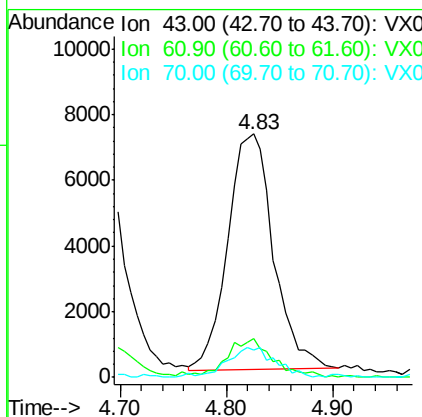
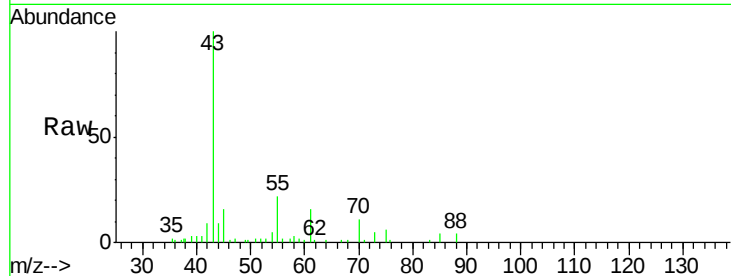
#37
Ethyl Acetate
Concen: 21.945 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.01 min
Lab File: VX012299.D
Acq: 11 Sep 2019 13:45

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.8	10.3	15.5#
70	13.2	9.1	13.7

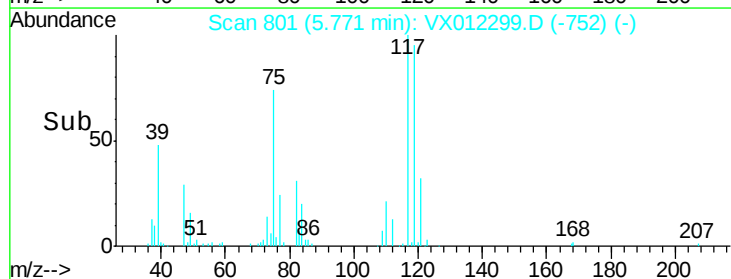
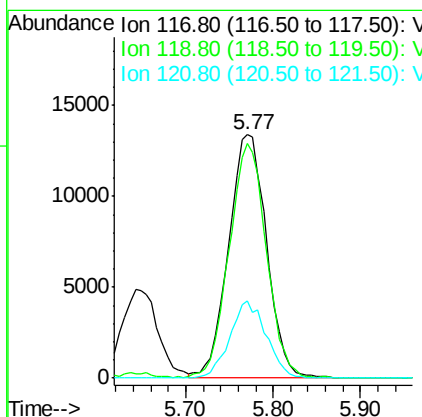
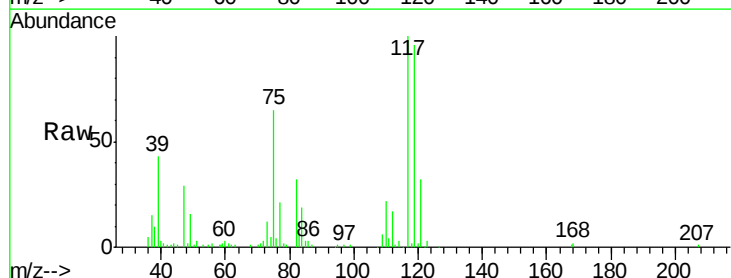
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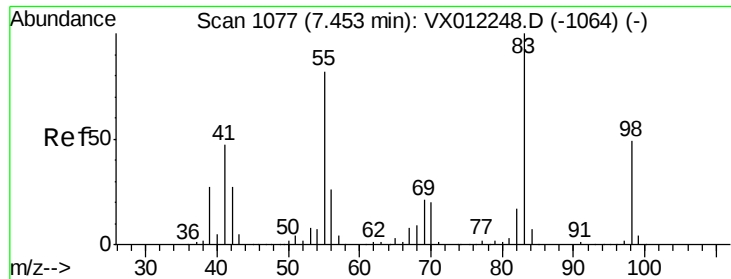
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#38
Carbon Tetrachloride
Concen: 21.667 ug/l
RT: 5.77 min Scan# 801
Delta R.T. 0.00 min
Lab File: VX012299.D
Acq: 11 Sep 2019 13:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	79.6	119.4
121	32.0	24.7	37.1





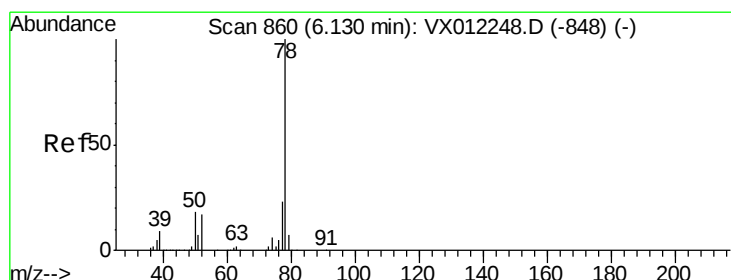
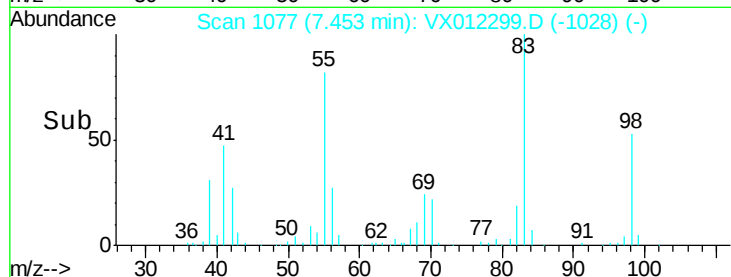
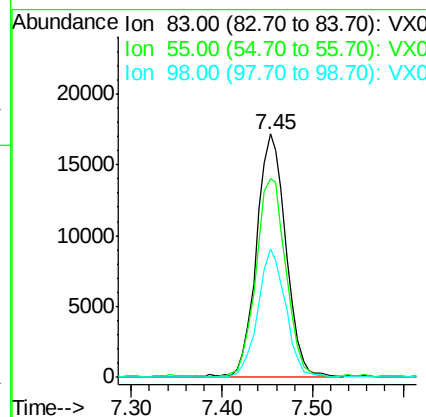
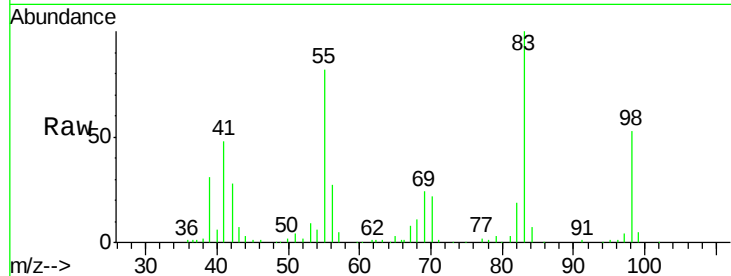
#39
Methvlcvclohexane
Concen: 22.079 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VX012299.D
Acq: 11 Sep 2019 13:45

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS01

Tot Ion	83.00	Resp:	38613
Ion	Ratio	Lower	Upper
83	100		
55	81.3	65.4	98.2
98	52.5	39.6	59.4

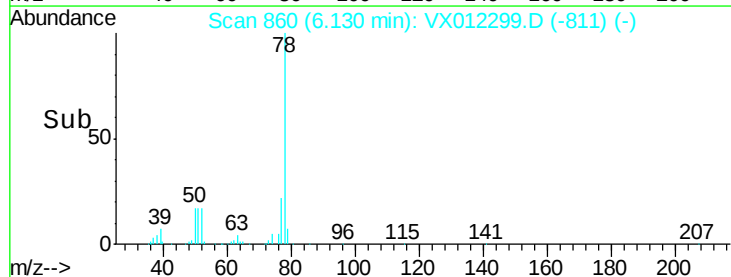
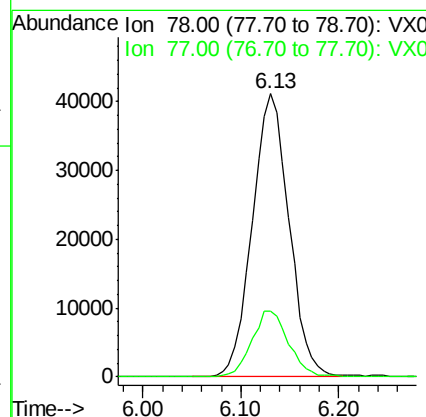
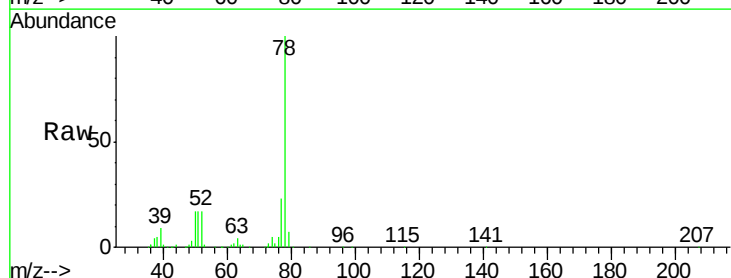
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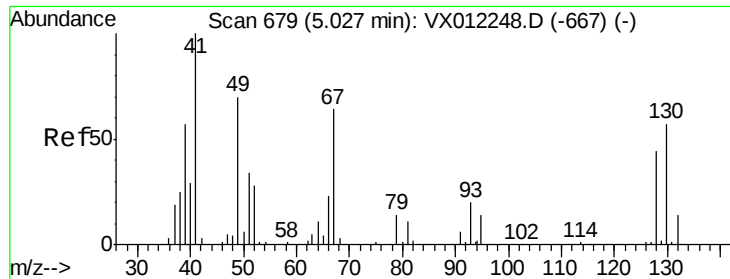
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#40
Benzene
Concen: 22.255 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX012299.D
Acq: 11 Sep 2019 13:45

Tgt Ion	78	Resp:	107340
Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.0	27.0





#41

Methacrylonitrile

Concen: 22.307 ug/l

RT: 5.03 min Scan# 679

Delta R.T. 0.00 min

Lab File: VX012299.D

Acq: 11 Sep 2019 13:45

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBSD01

Tot Ion: 41 Resp: 13547

Ion Ratio Lower Upper

41 100

39 59.6 49.0 73.4

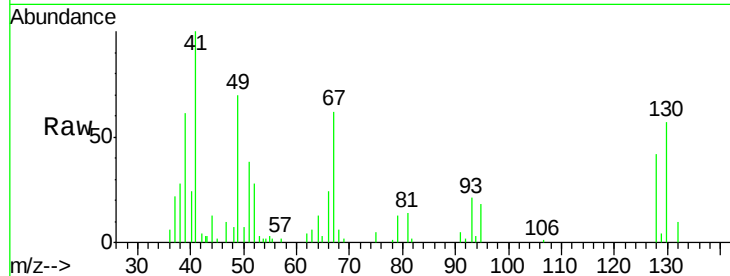
67 70.3 55.0 82.4

52 34.8 25.4 38.0

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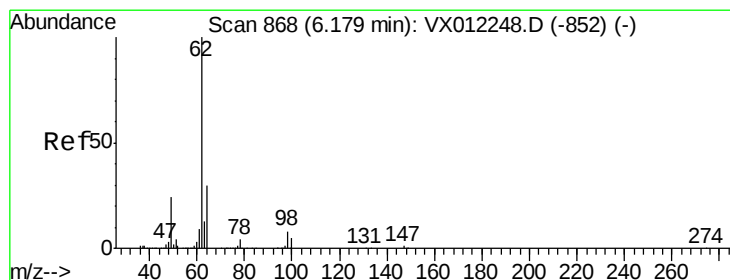
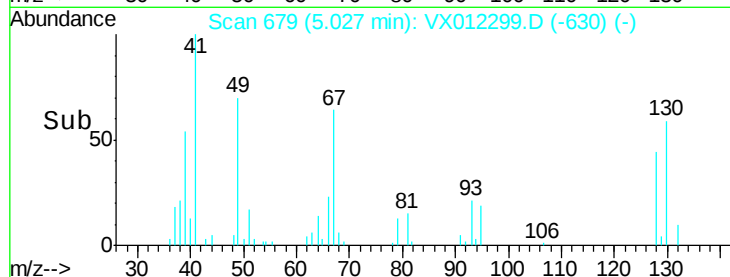
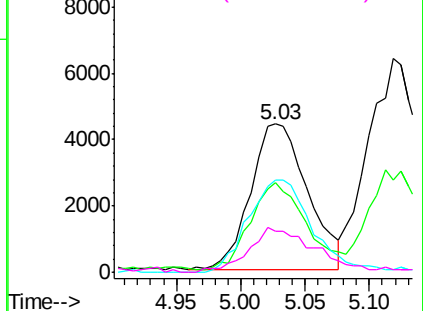


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 22.350 ug/l

RT: 6.18 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX012299.D

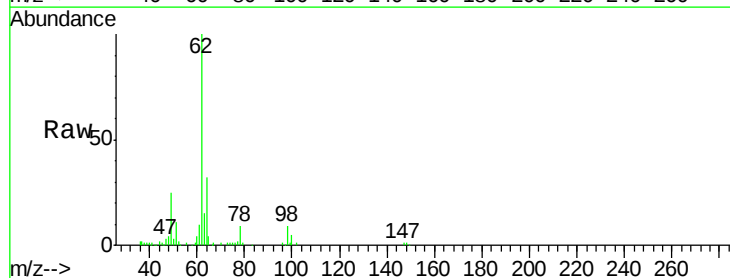
Acq: 11 Sep 2019 13:45

Tgt Ion: 62 Resp: 42605

Ion Ratio Lower Upper

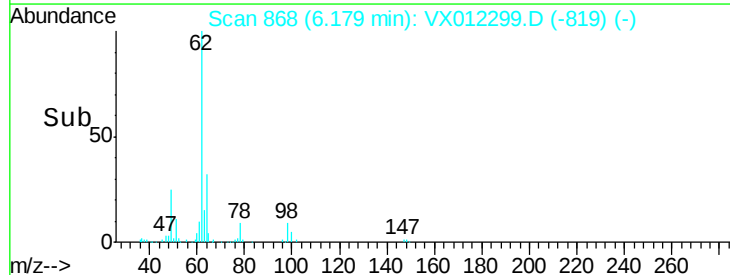
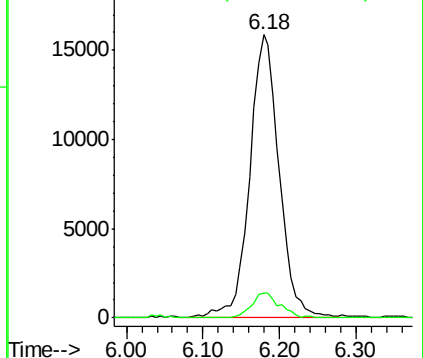
62 100

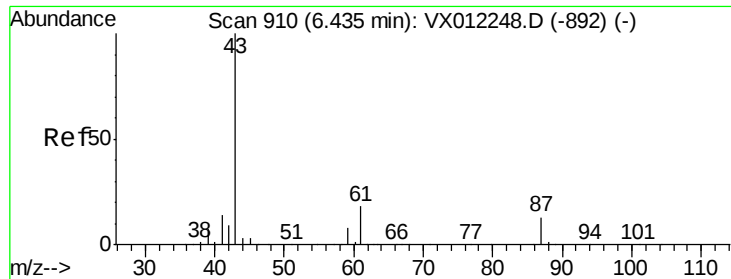
98 8.4 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 21.677 ug/l

RT: 6.44 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX012299.D

Acq: 11 Sep 2019 13:45

Instrument :

MSVOA_X

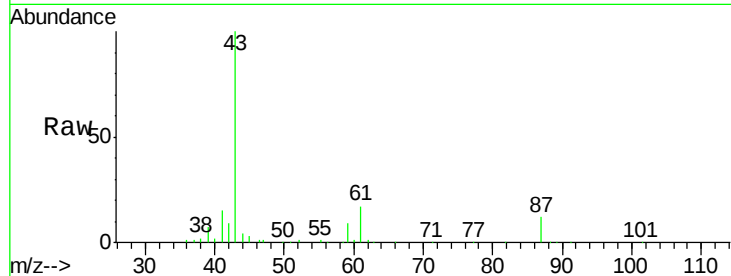
ClientSampleId :

VX0911SBS01

Tot Ion:	43	Resp:	45021
Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.4	23.2
87	13.2	10.5	15.7

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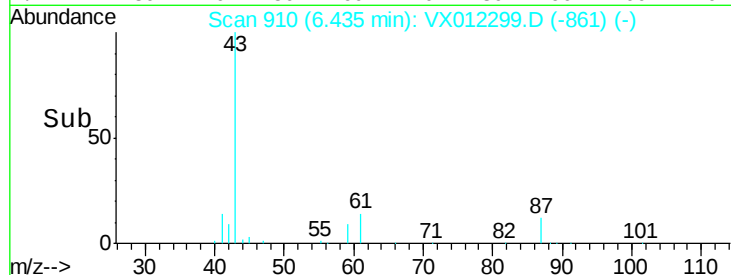


Abundance Ion 43.00 (42.70 to 43.70): VX012248.D (-892) (-)

Ion 61.00 (60.70 to 61.70): VX012248.D (-892) (-)

Ion 87.00 (86.70 to 87.70): VX012248.D (-892) (-)

Time-->



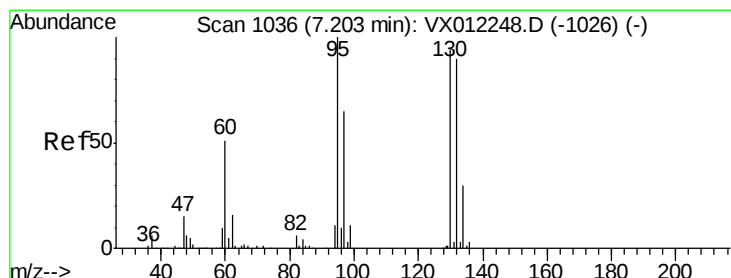
Abundance

Ion 43.00 (42.70 to 43.70): VX012299.D (-861) (-)

Ion 61.00 (60.70 to 61.70): VX012299.D (-861) (-)

Ion 87.00 (86.70 to 87.70): VX012299.D (-861) (-)

Time-->



#44

Trichloroethene

Concen: 22.261 ug/l

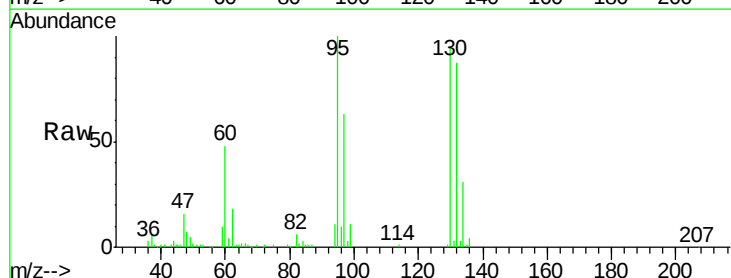
RT: 7.20 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VX012299.D

Acq: 11 Sep 2019 13:45

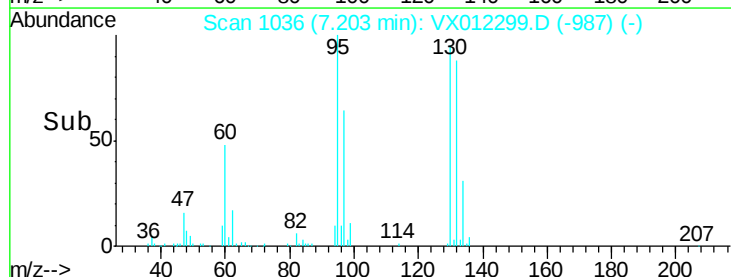
Tgt Ion:	130	Resp:	29057
Ion	Ratio	Lower	Upper
130	100		
95	105.5	0.0	212.0



Abundance Ion 129.80 (129.50 to 130.50): VX012248.D (-1026) (-)

Ion 94.90 (94.60 to 95.60): VX012248.D (-1026) (-)

Time-->

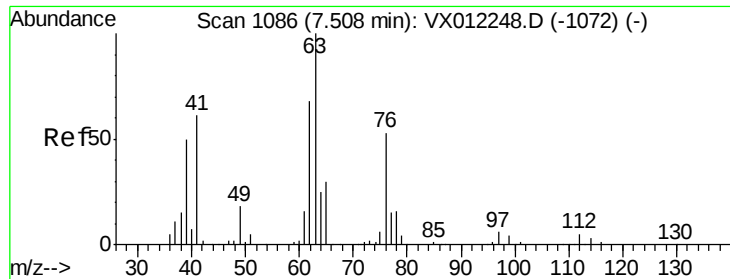


Abundance

Ion 129.80 (129.50 to 130.50): VX012299.D (-987) (-)

Ion 94.90 (94.60 to 95.60): VX012299.D (-987) (-)

Time-->



#45

1,2-Dichloropropane

Concen: 21.952 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX012299.D

Acq: 11 Sep 2019 13:45

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS01

Tot Ion: 63 Resp: 29307

Ion Ratio Lower Upper

63 100

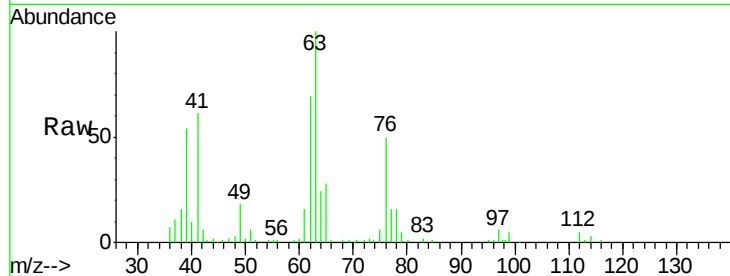
65 27.5 24.3 36.5

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

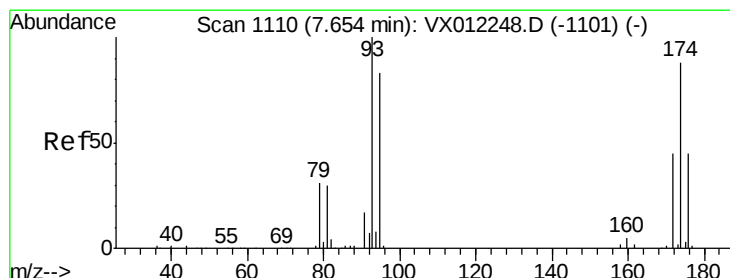
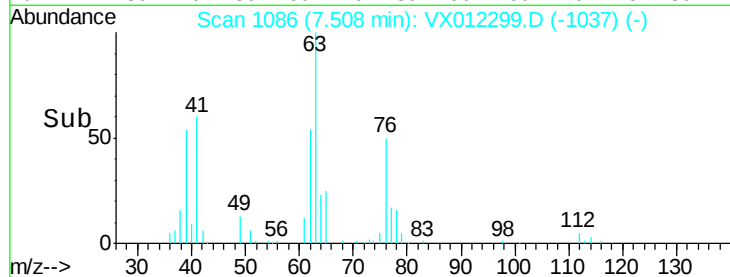
15000

10000

5000

0

Time-->



#46

Dibromomethane

Concen: 22.397 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX012299.D

Acq: 11 Sep 2019 13:45

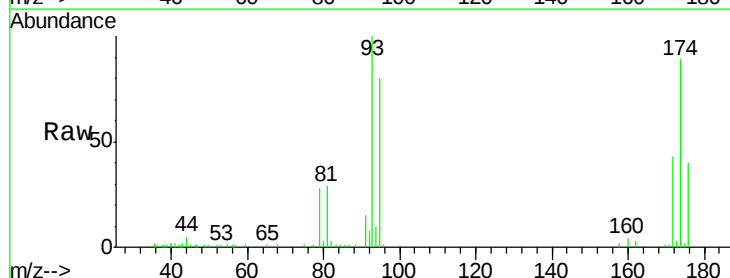
Tgt Ion: 93 Resp: 16342

Ion Ratio Lower Upper

93 100

95 84.1 65.7 98.5

174 89.5 71.0 106.4



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

12000

10000

8000

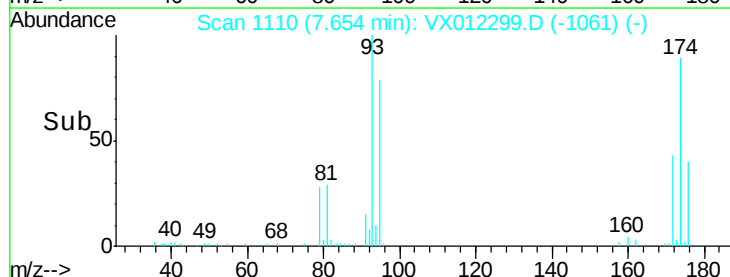
6000

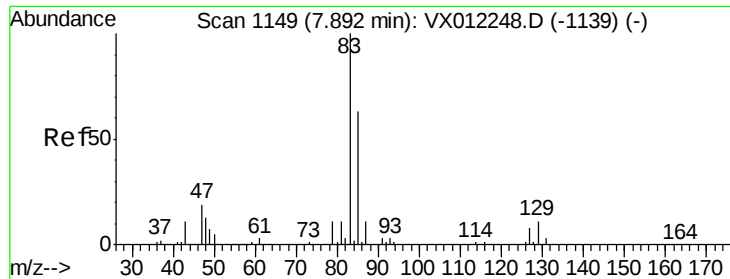
4000

2000

0

Time-->





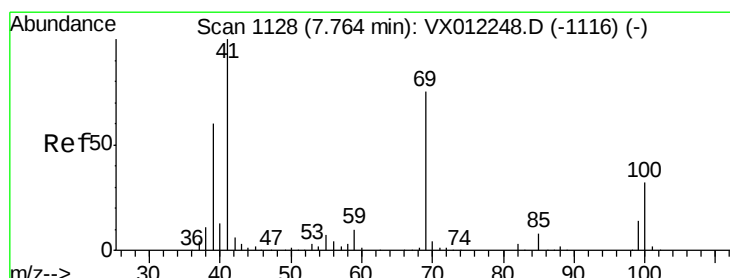
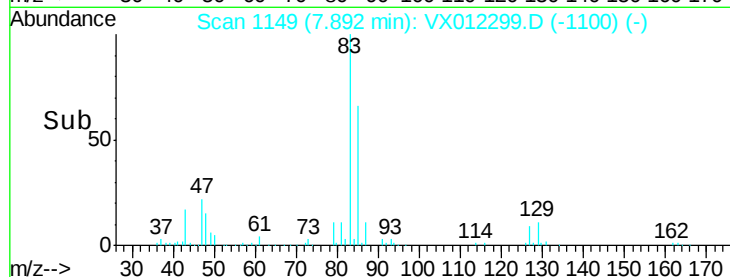
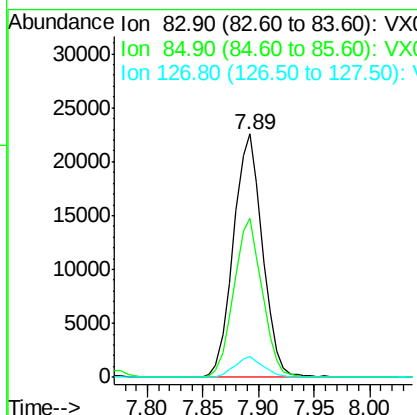
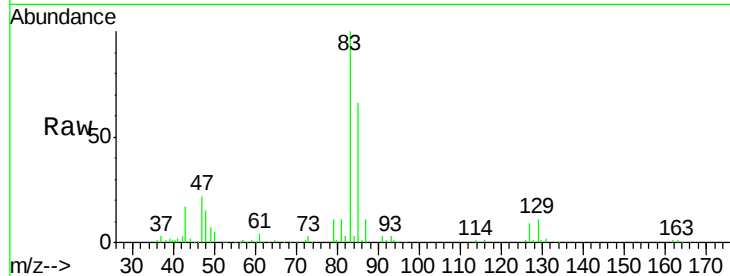
#47
Bromodichloromethane
Concen: 20.592 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. 0.00 min
Lab File: VX012299.D
Acq: 11 Sep 2019 13:45

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS01

Tot Ion	83	Resp	41002
Ion Ratio	100	Lower	Upper
83	100		
85	65.6	50.2	75.4
127	8.7	6.3	9.5

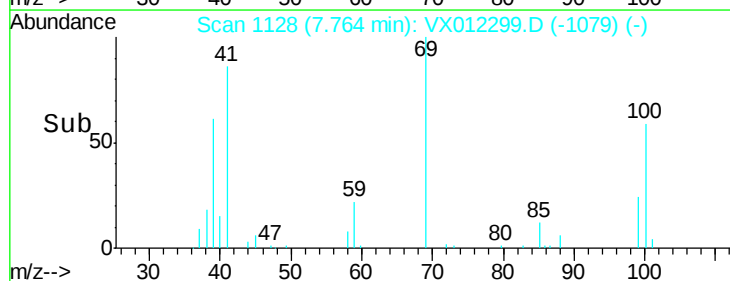
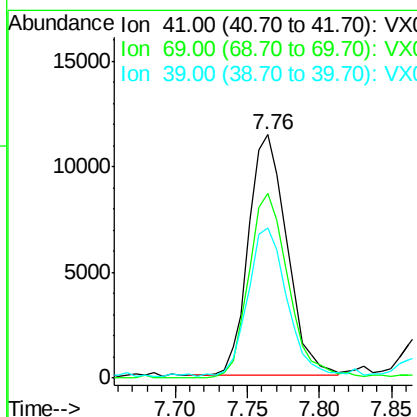
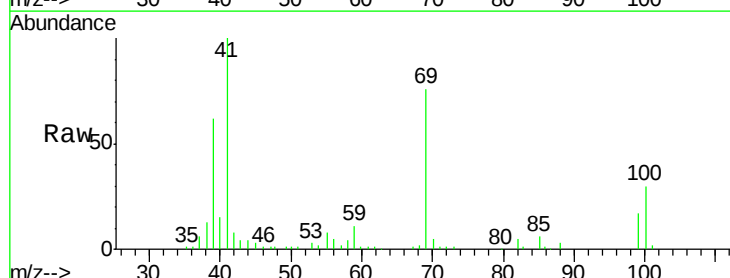
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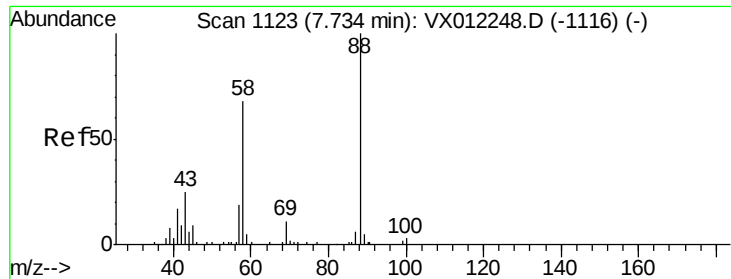
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#48
Methyl methacrylate
Concen: 21.211 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX012299.D
Acq: 11 Sep 2019 13:45

Tgt Ion	41	Resp	21086
Ion Ratio	100	Lower	Upper
41	100		
69	79.1	61.8	92.6
39	62.9	48.6	73.0





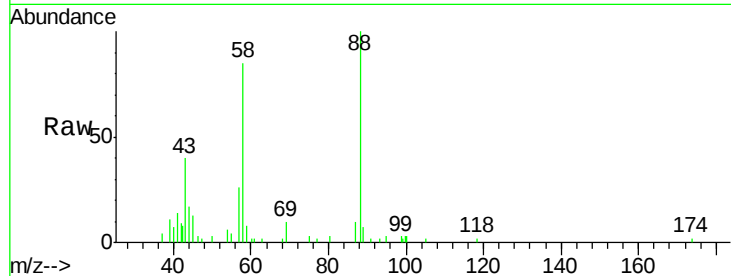
#49
1,4-Dioxane
Concen: 442.657 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012299.D
Acq: 11 Sep 2019 13:45

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	5938		
43	39.6		31.0	46.4
58	78.9		61.5	92.3

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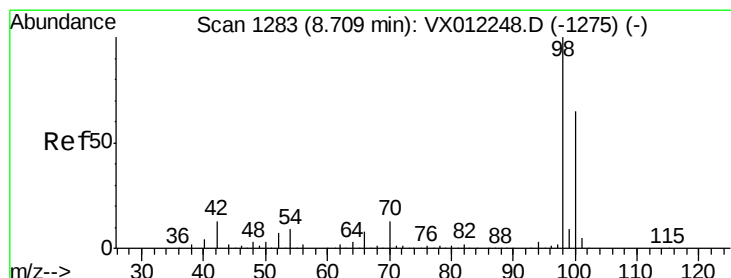
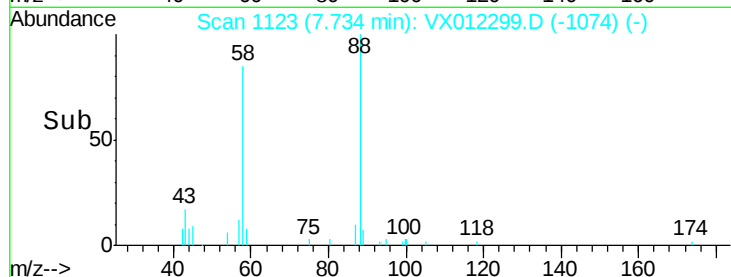
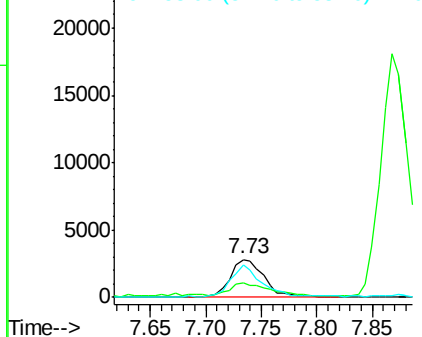


Abundance

Ion 88.00 (87.70 to 88.70): VX0

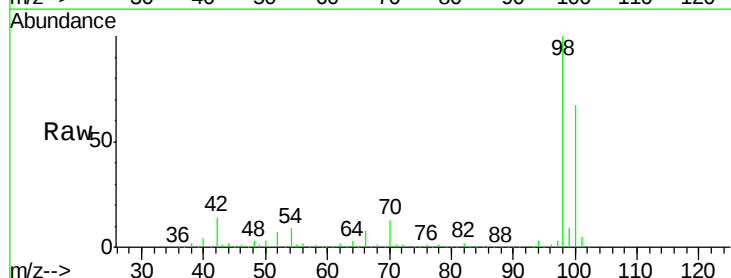
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 58.061 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012299.D
Acq: 11 Sep 2019 13:45

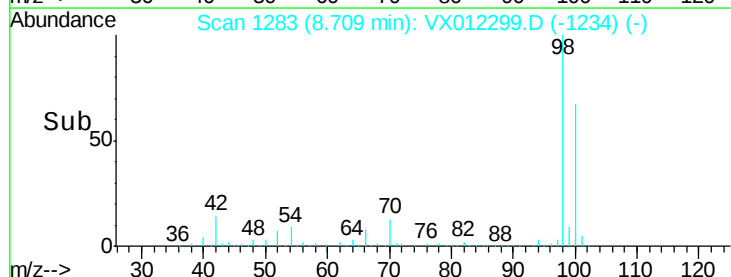
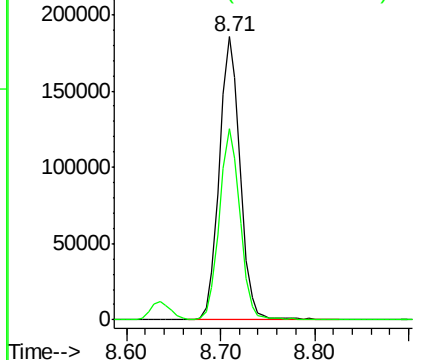
Tgt Ion	Ratio	Resp	Lower	Upper
98	100	285299		
100	67.6		54.1	81.1

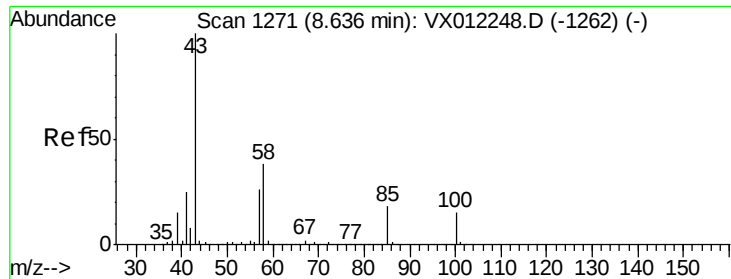


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 108.860 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012299.D

Acq: 11 Sep 2019 13:45

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS01

Tot Ion: 43 Resp: 119325

Ion Ratio Lower Upper

43 100

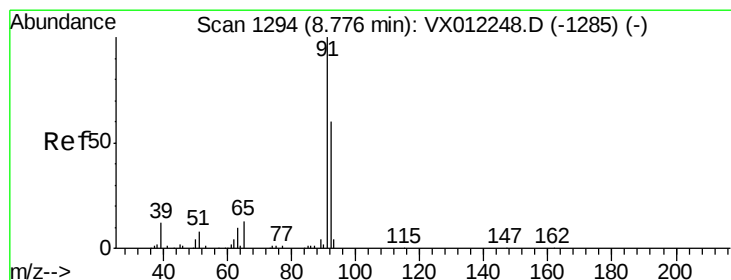
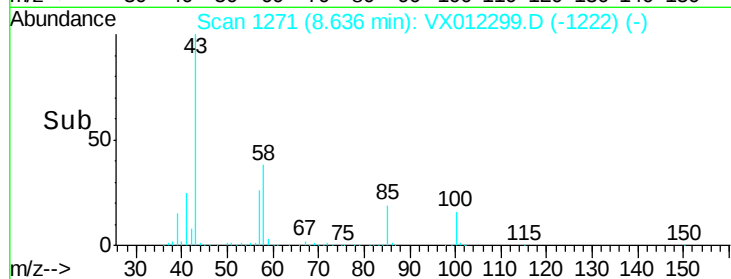
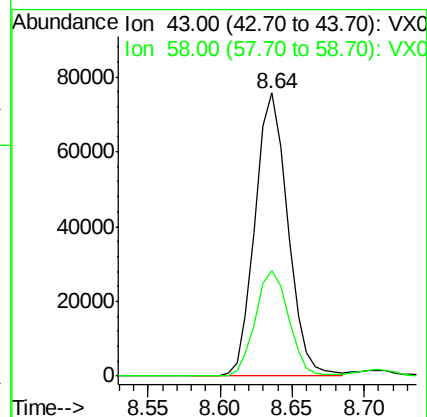
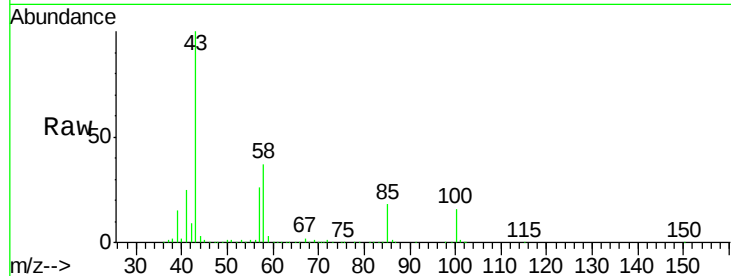
58 37.8 30.1 45.1

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#52

Toluene

Concen: 21.884 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX012299.D

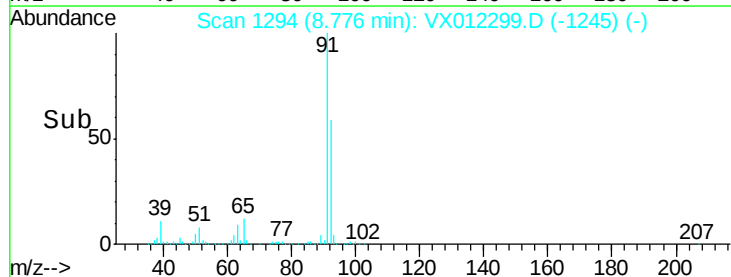
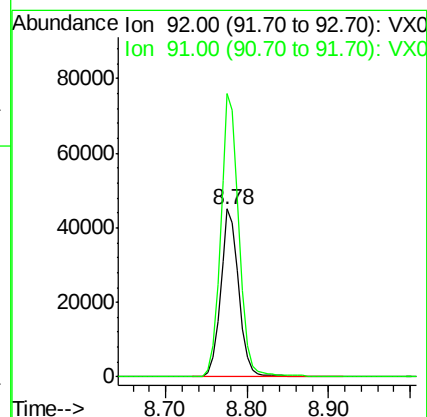
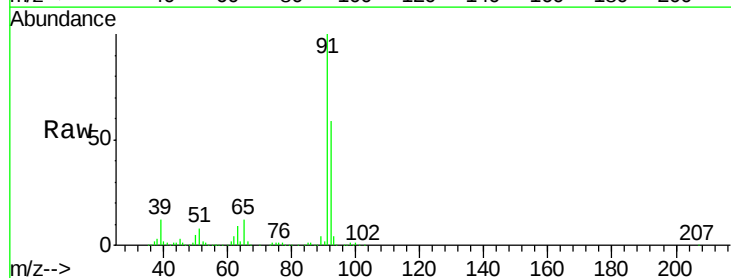
Acq: 11 Sep 2019 13:45

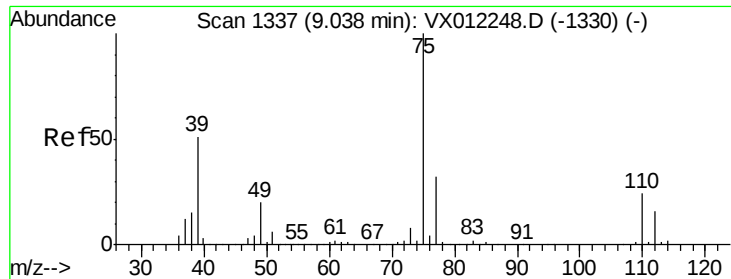
Tgt Ion: 92 Resp: 69716

Ion Ratio Lower Upper

92 100

91 170.5 133.6 200.4





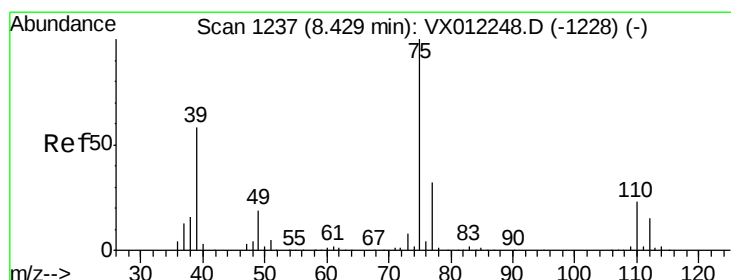
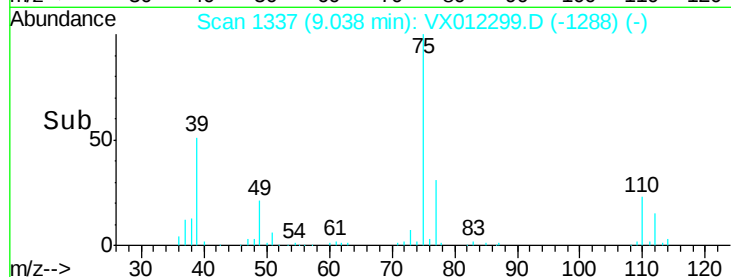
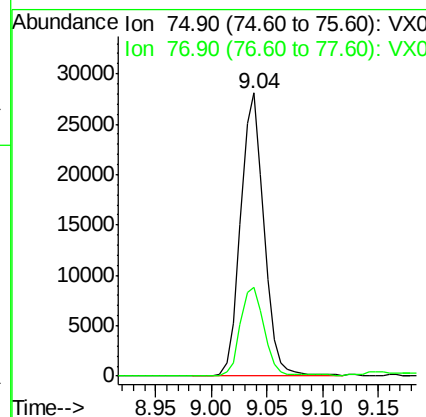
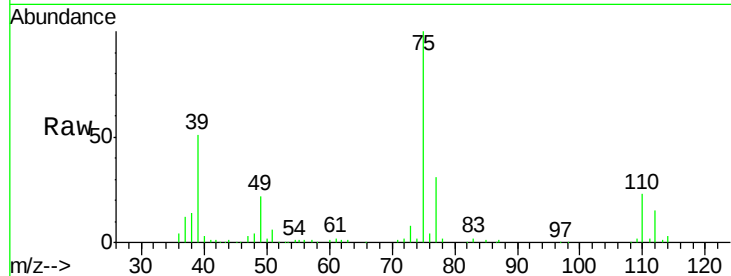
#53
t-1,3-Dichloropropene
Concen: 20.599 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX012299.D
Acq: 11 Sep 2019 13:45

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBSD01

Tot Ion: 75 Resp: 40938
Ion Ratio Lower Upper
75 100
77 31.0 25.8 38.6

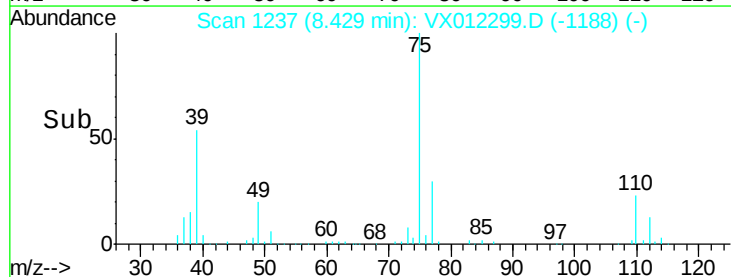
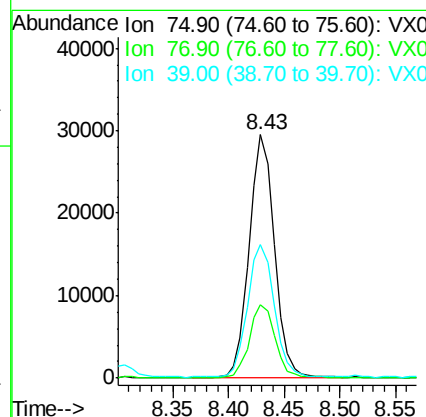
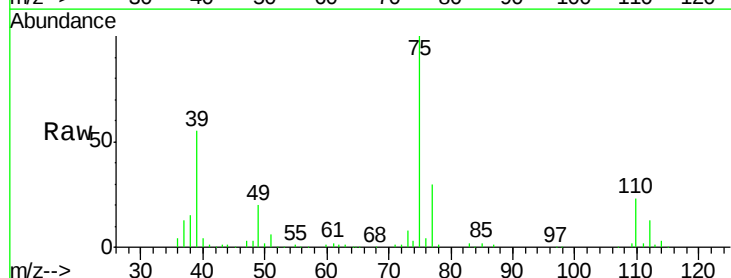
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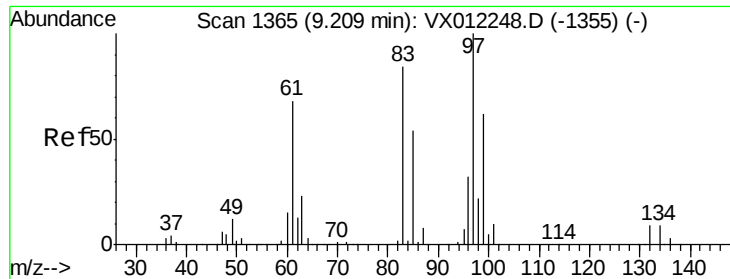
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#54
cis-1,3-Dichloropropene
Concen: 21.352 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX012299.D
Acq: 11 Sep 2019 13:45

Tgt Ion: 75 Resp: 47056
Ion Ratio Lower Upper
75 100
77 30.4 25.4 38.2
39 54.1 46.5 69.7





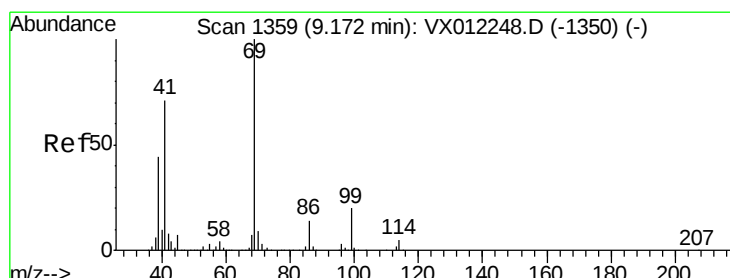
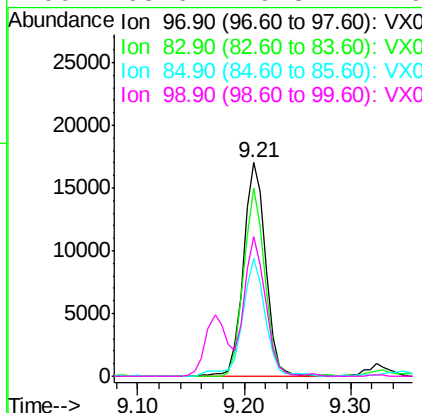
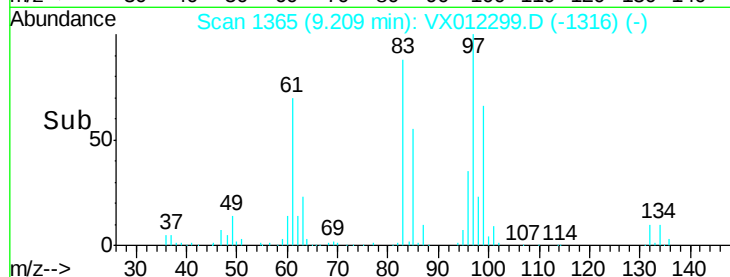
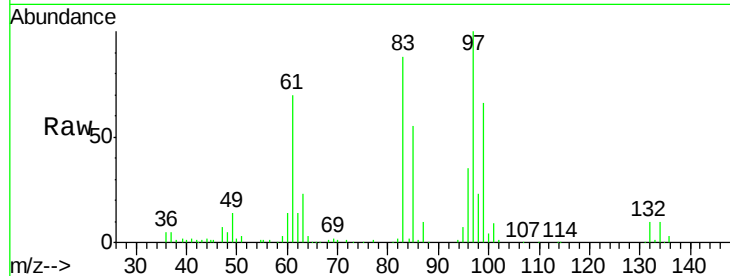
#55
 1,1,2-Trichloroethane
 Concen: 22.097 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012299.D
 Acq: 11 Sep 2019 13:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBS01

Tot Ion:	97	Resp:	24979
Ion	Ratio	Lower	Upper
97	100		
83	88.2	67.4	101.2
85	55.0	43.4	65.2
99	65.6	49.8	74.6

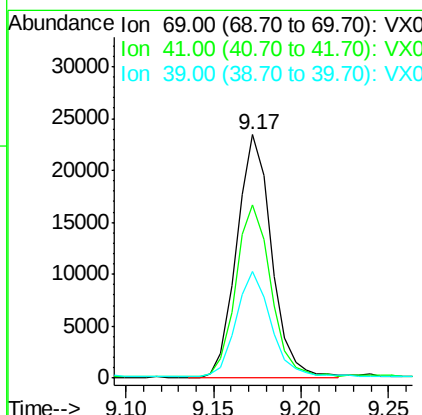
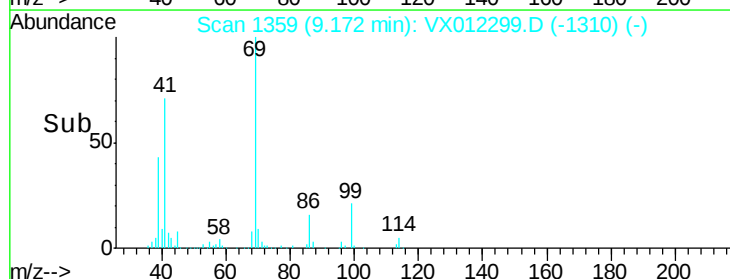
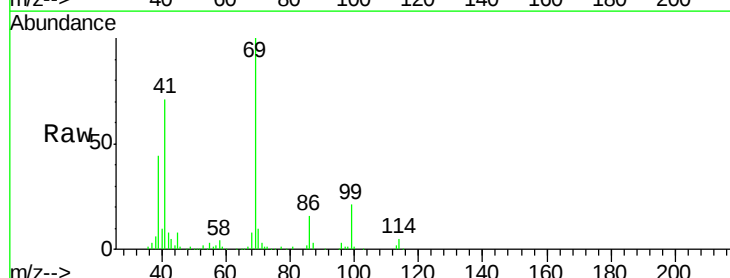
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#56
 Ethyl methacrylate
 Concen: 21.338 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012299.D
 Acq: 11 Sep 2019 13:45

Tgt Ion:	69	Resp:	32658
Ion	Ratio	Lower	Upper
69	100		
41	71.1	57.7	86.5
39	43.4	34.0	51.0





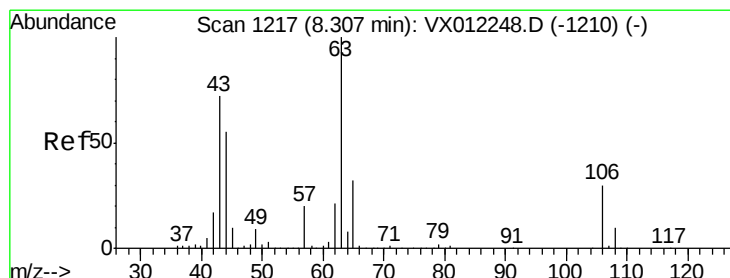
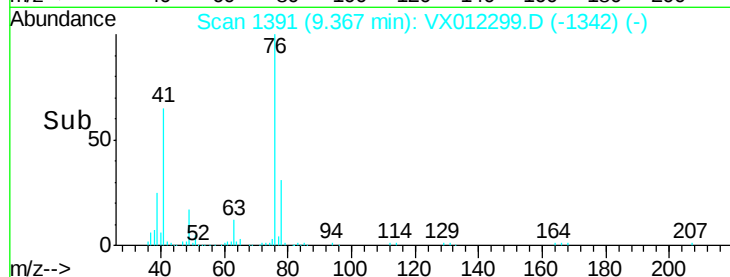
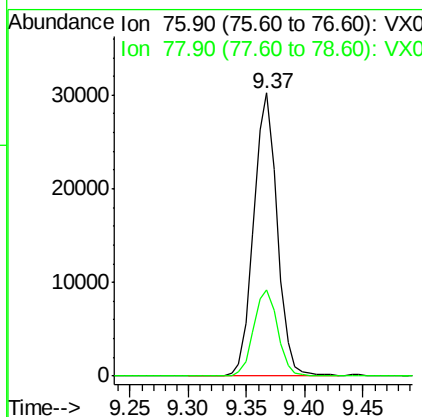
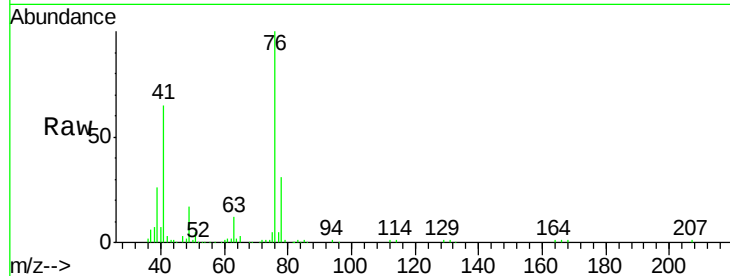
#57
 1,3-Dichloropropane
 Concen: 22.242 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX012299.D
 Acq: 11 Sep 2019 13:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.4	26.0	39.0

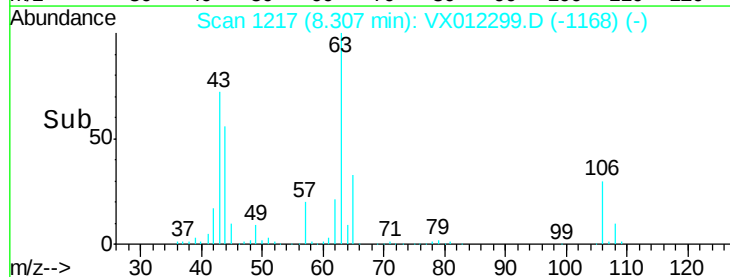
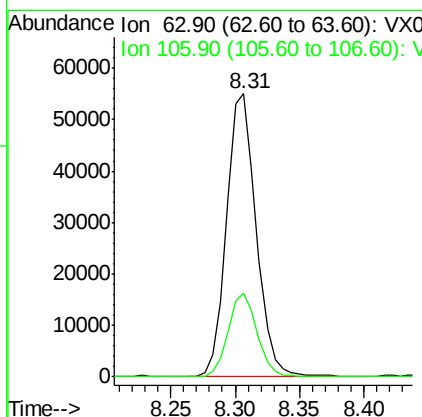
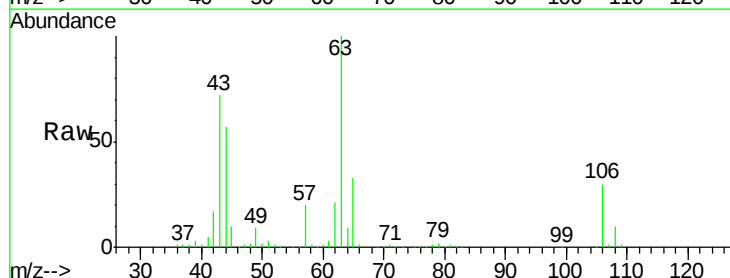
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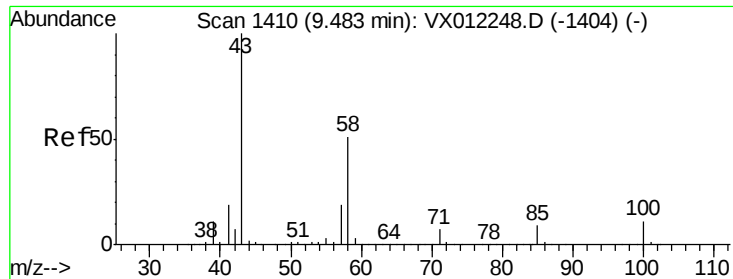
MMDadoda
 9/12/2019 9:26:33 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 113.063 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX012299.D
 Acq: 11 Sep 2019 13:45

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.1	23.4	35.2





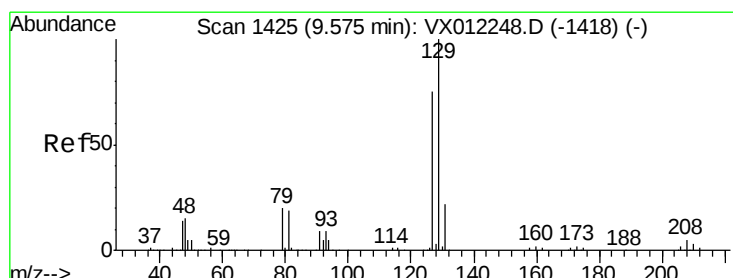
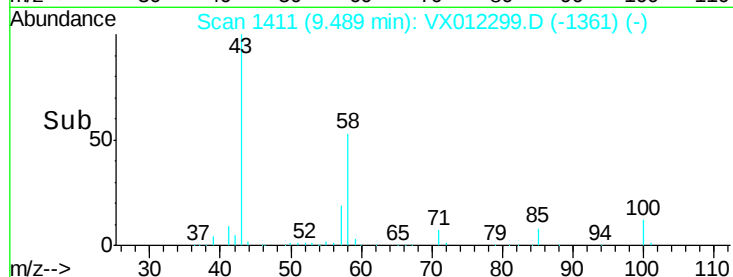
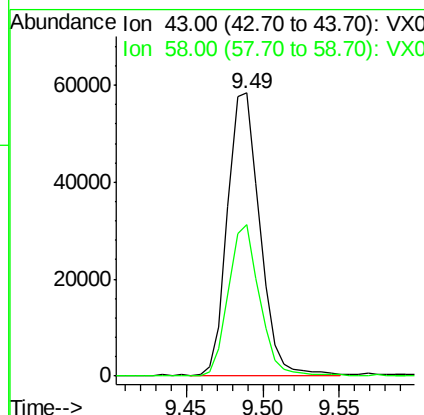
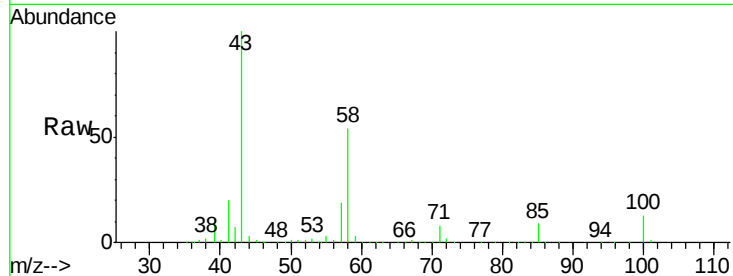
#59
2-Hexanone
Concen: 111.662 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX012299.D
Acq: 11 Sep 2019 13:45

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBSD01

Tot Ion: 43 Resp: 85103
Ion Ratio Lower Upper
43 100
58 52.5 25.8 77.3

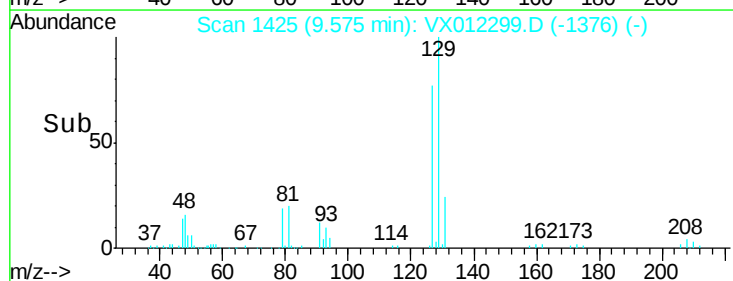
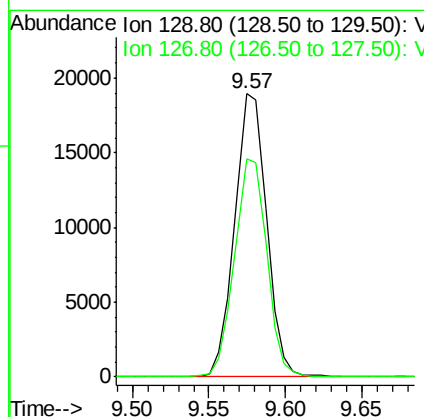
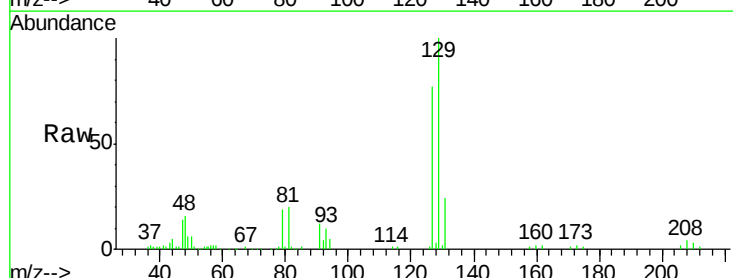
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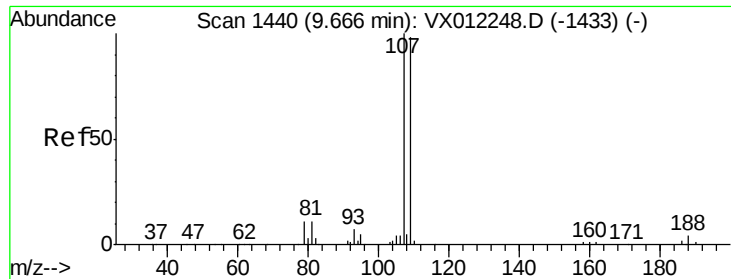
MMDadoda
9/12/2019 9:26:33 AM



#60
Dibromochloromethane
Concen: 20.784 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VX012299.D
Acq: 11 Sep 2019 13:45

Tgt Ion: 129 Resp: 27428
Ion Ratio Lower Upper
129 100
127 77.9 38.1 114.3





#61

1,2-Dibromoethane

Concen: 22.171 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012299.D

Acq: 11 Sep 2019 13:45

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS01

Tot Ion:107 Resp: 23329

Ion Ratio Lower Upper

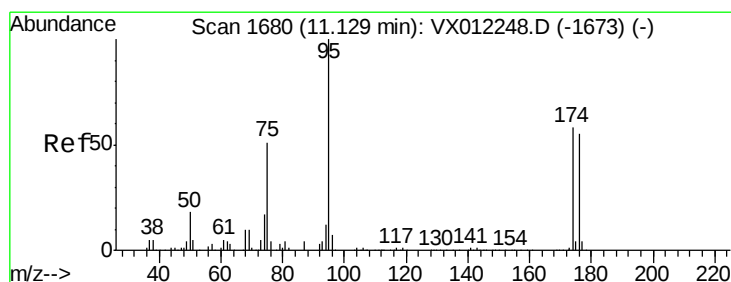
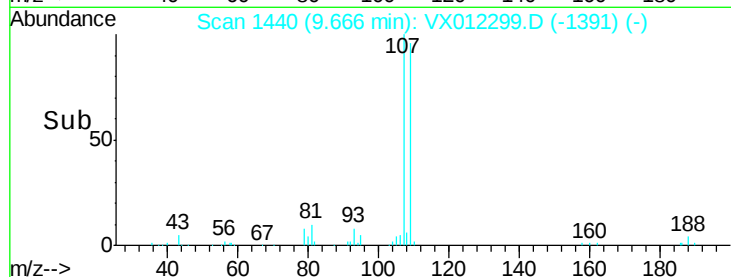
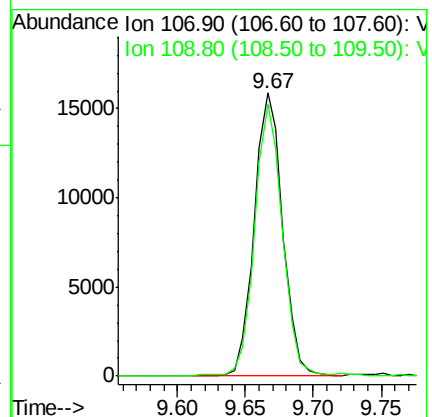
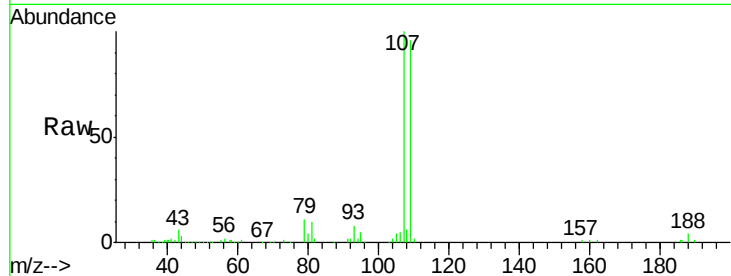
107 100

109 93.7 76.3 114.5

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9/12/2019 9:26:33 AM



#62

4-Bromofluorobenzene

Concen: 53.191 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012299.D

Acq: 11 Sep 2019 13:45

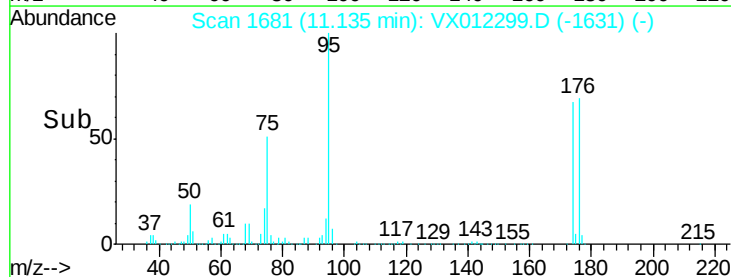
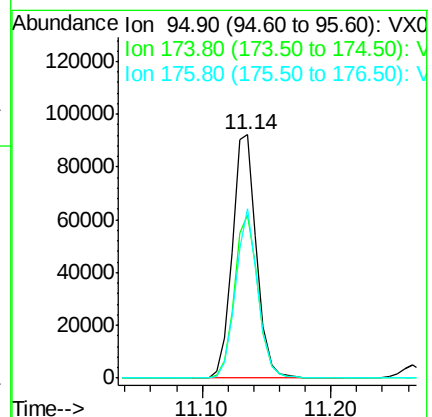
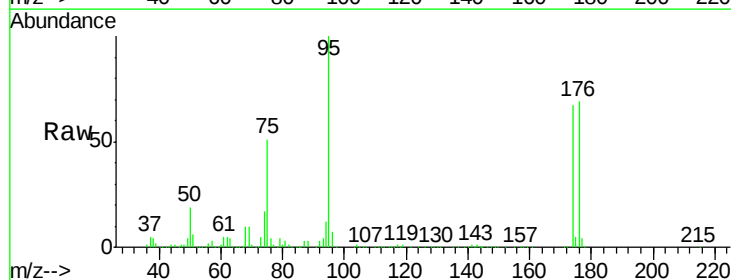
Tgt Ion: 95 Resp: 121171

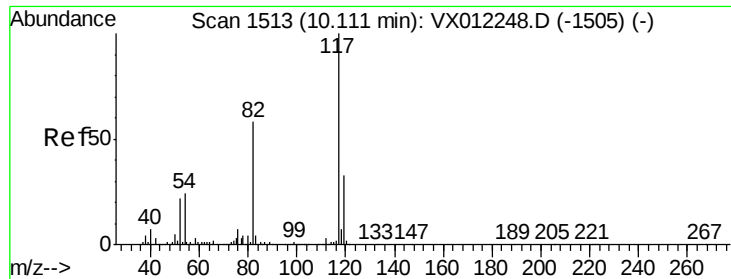
Ion Ratio Lower Upper

95 100

174 65.5 0.0 127.0

176 63.7 0.0 125.8





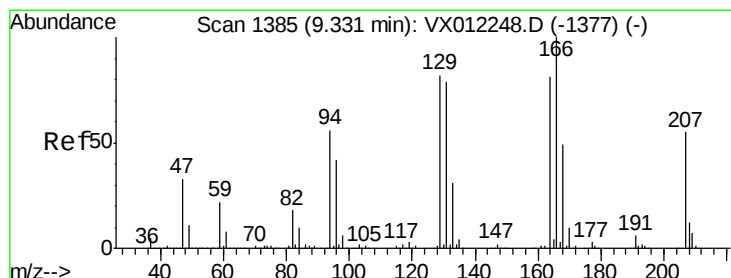
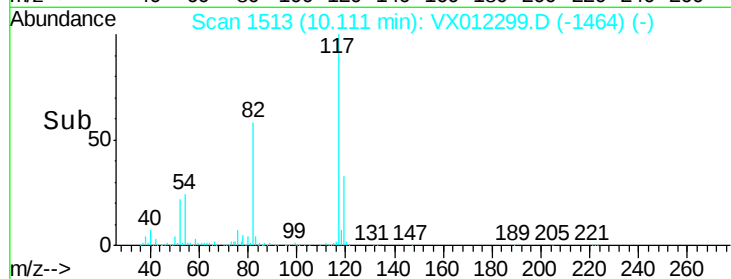
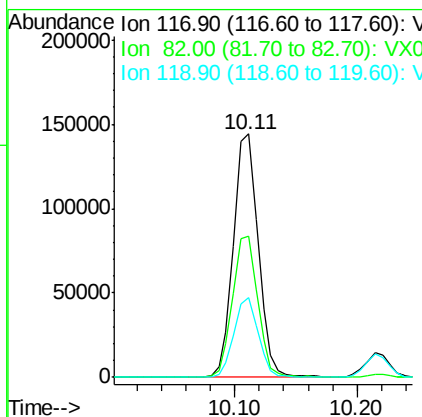
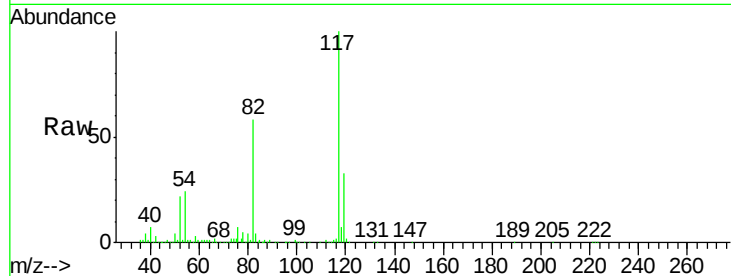
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012299.D
Acq: 11 Sep 2019 13:45

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.8	46.4	69.6
119	32.5	26.6	39.8

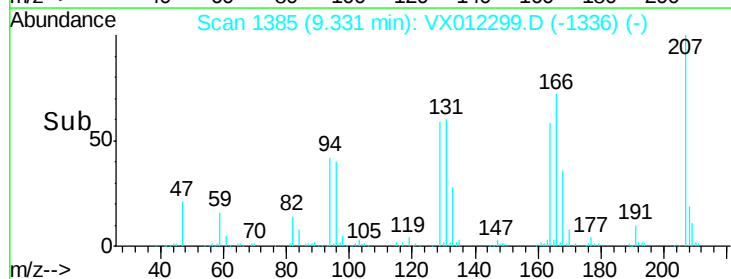
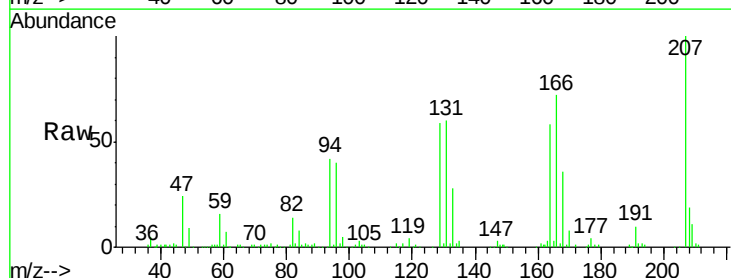
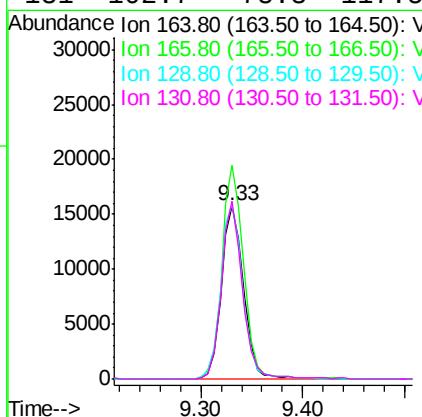
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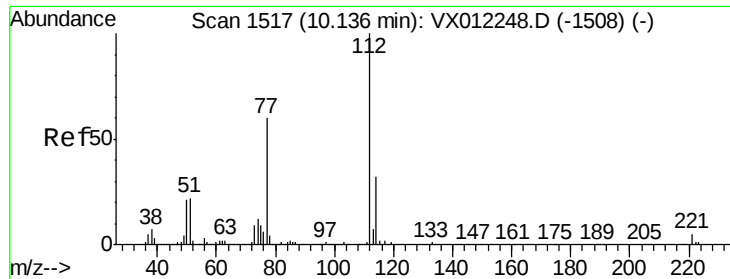
MMDadoda
9/12/2019 9:26:33 AM



#64
Tetrachloroethene
Concen: 22.155 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012299.D
Acq: 11 Sep 2019 13:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.6	99.4	149.0
129	100.7	81.8	122.8
131	102.7	78.3	117.5





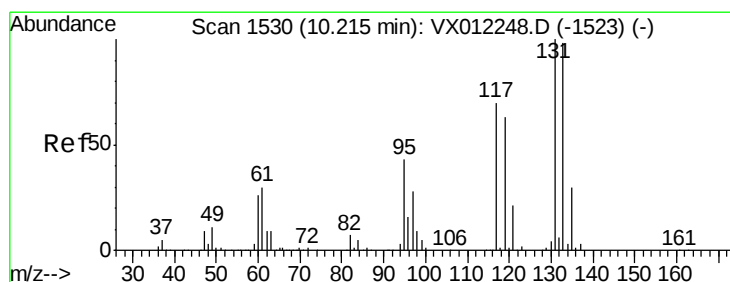
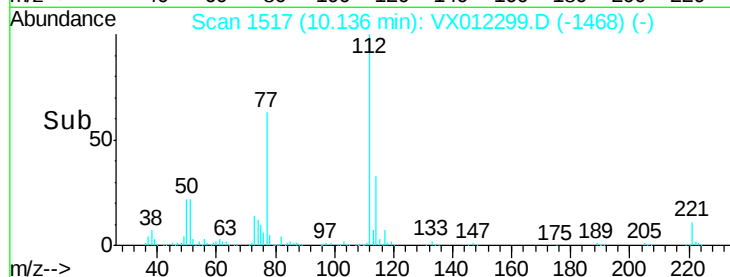
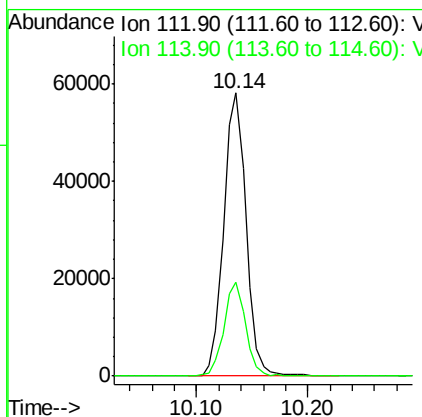
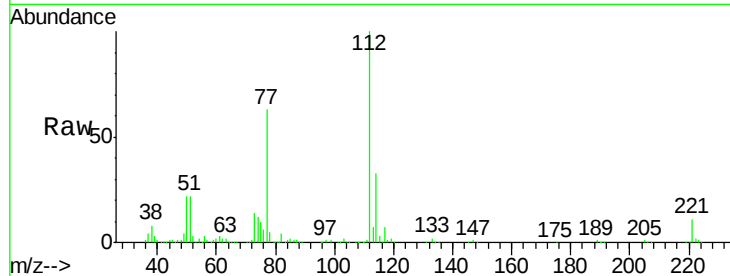
#65
Chlorobenzene
Concen: 21.812 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012299.D
Acq: 11 Sep 2019 13:45

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS01

Tot Ion:112 Resp: 80840
Ion Ratio Lower Upper
112 100
114 33.0 25.4 38.0

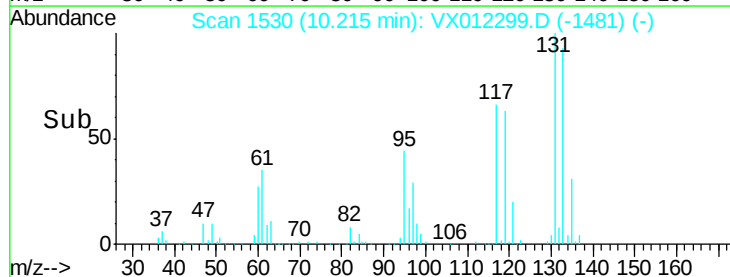
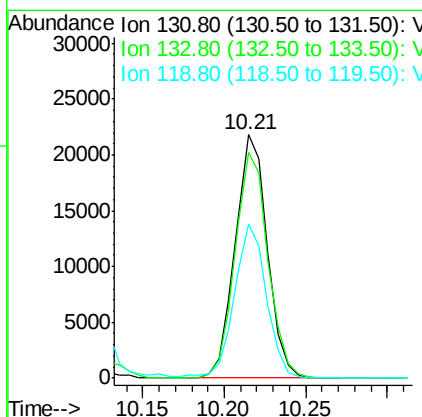
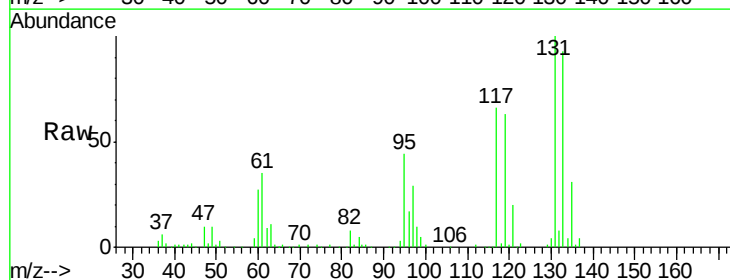
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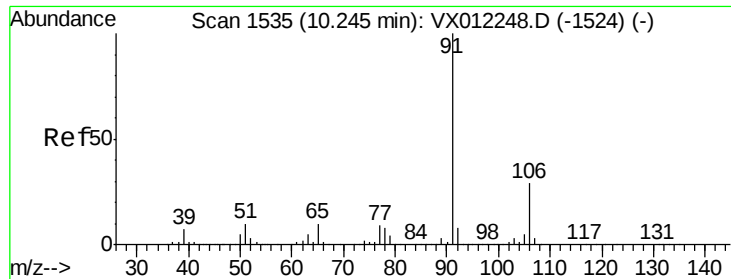
MMDadoda
9/12/2019 9:26:33 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.323 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX012299.D
Acq: 11 Sep 2019 13:45

Tgt Ion:131 Resp: 29791
Ion Ratio Lower Upper
131 100
133 95.0 48.0 144.2
119 63.2 31.6 95.0





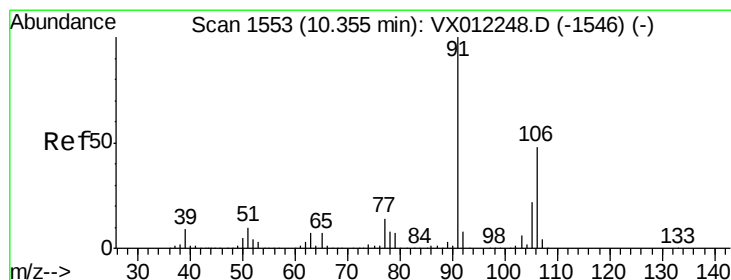
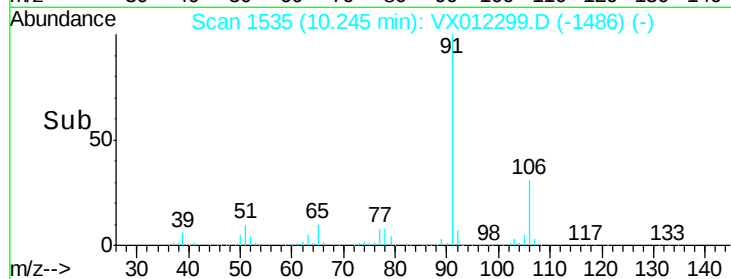
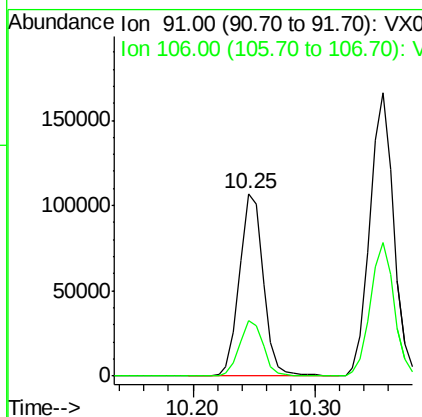
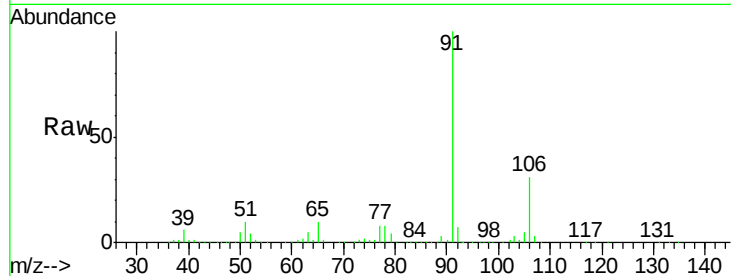
#67
Ethyl Benzene
Concen: 21.944 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012299.D
Acq: 11 Sep 2019 13:45

Instrument :
MSVOA_X
ClientSampled :
VX0911SBS01

Tot Ion: 91 Resp: 144649
Ion Ratio Lower Upper
91 100
106 30.6 23.1 34.7

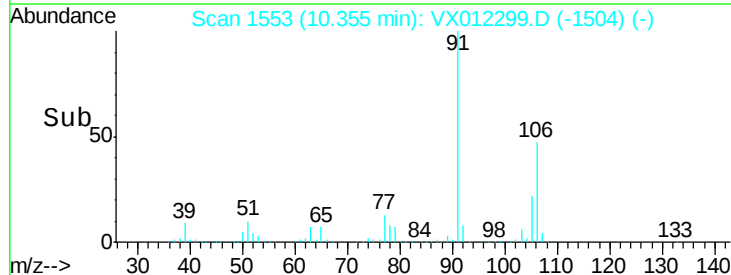
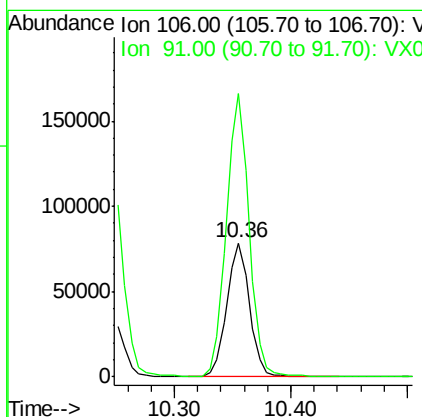
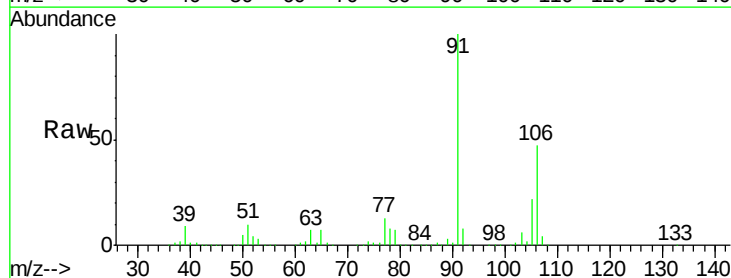
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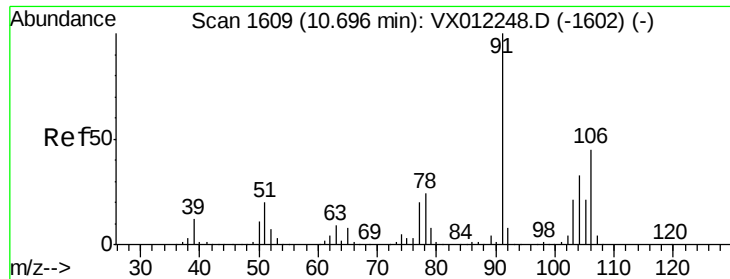
MMDadoda
9/12/2019 9:26:33 AM



#68
m/p-Xylenes
Concen: 44.000 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012299.D
Acq: 11 Sep 2019 13:45

Tgt Ion: 106 Resp: 106769
Ion Ratio Lower Upper
106 100
91 210.1 167.0 250.6





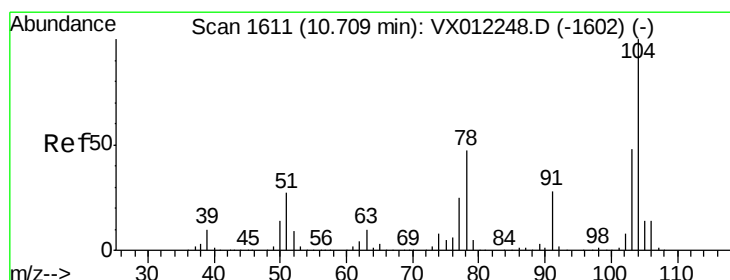
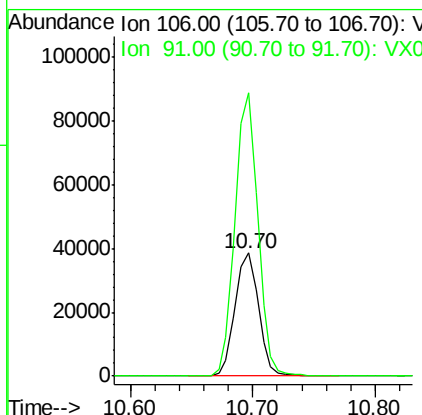
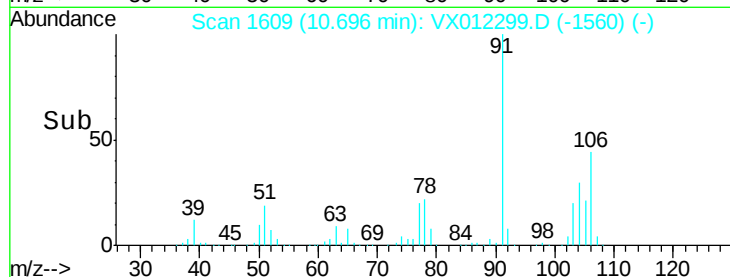
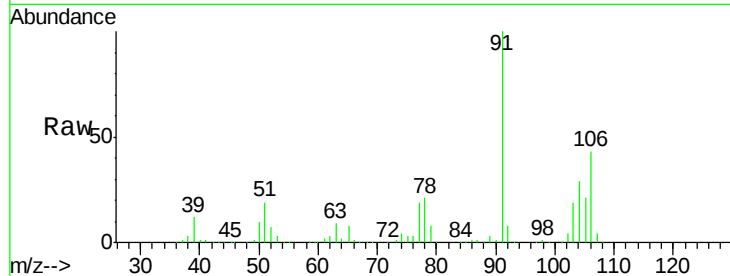
#69
o-Xylene
Concen: 21.545 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012299.D
Acq: 11 Sep 2019 13:45

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBSD01

Tot Ion:106 Resp: 51214
Ion Ratio Lower Upper
106 100
91 224.2 110.5 331.4

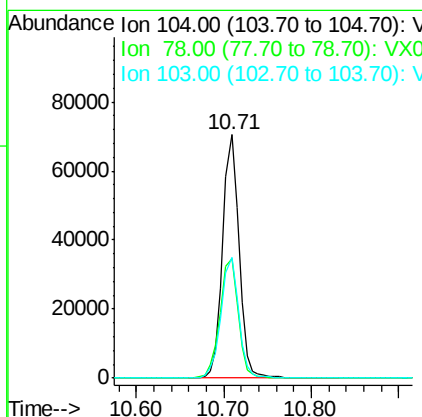
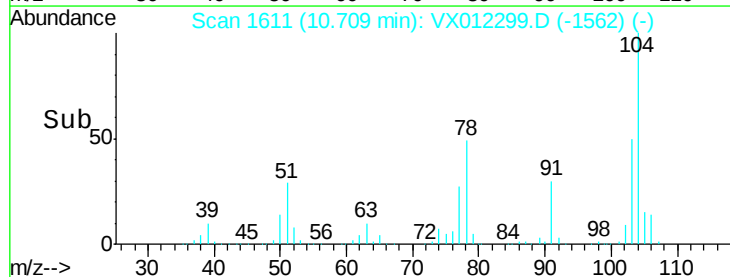
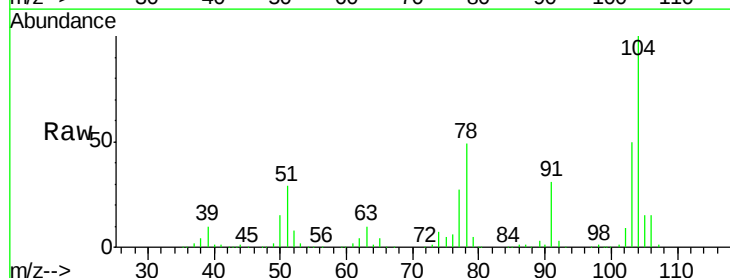
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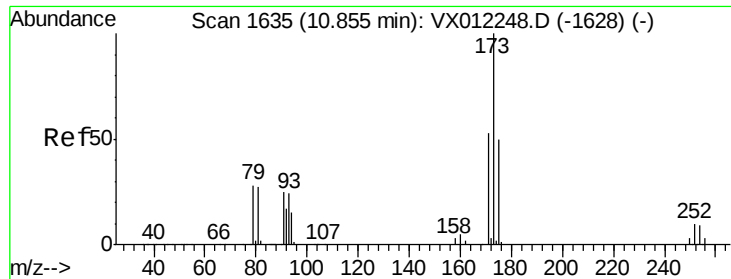
MMDadoda
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#70
Styrene
Concen: 21.679 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012299.D
Acq: 11 Sep 2019 13:45

Tgt Ion:104 Resp: 91392
Ion Ratio Lower Upper
104 100
78 54.9 44.2 66.2
103 53.9 42.5 63.7





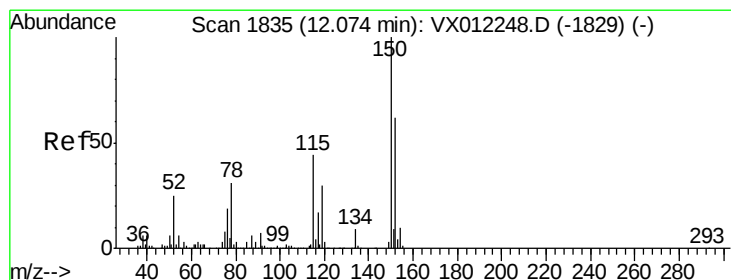
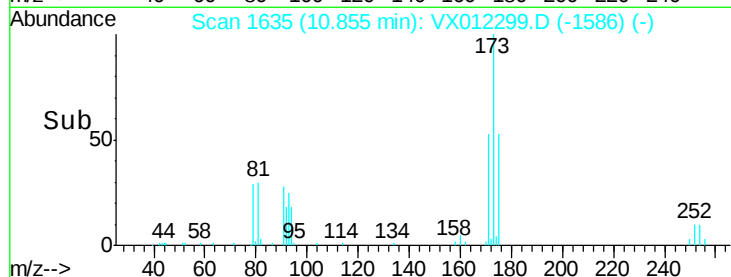
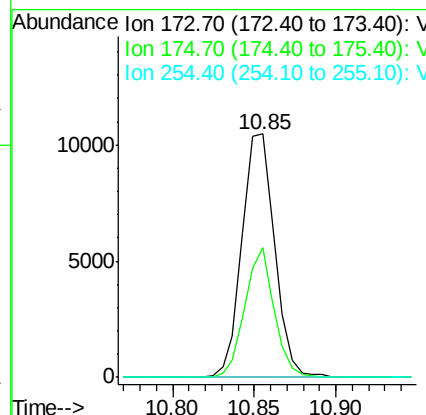
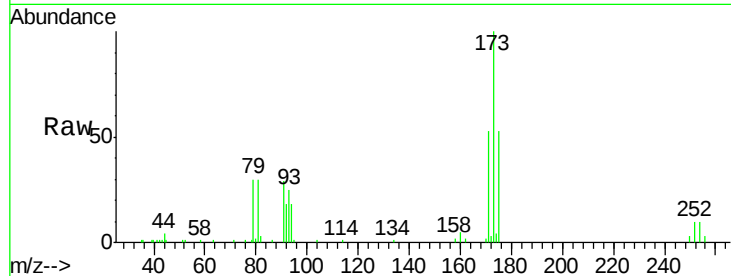
#71
Bromoform
Concen: 20.231 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX012299.D
Acq: 11 Sep 2019 13:45

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.5	73.5
254	0.0	0.2	0.4

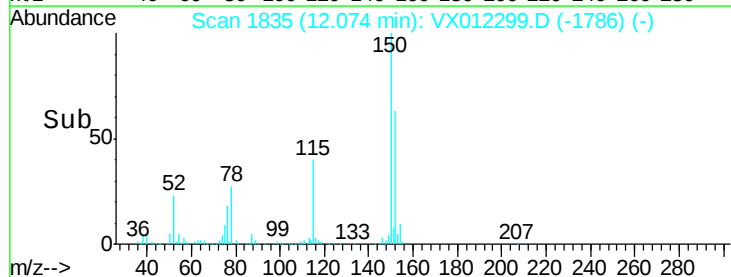
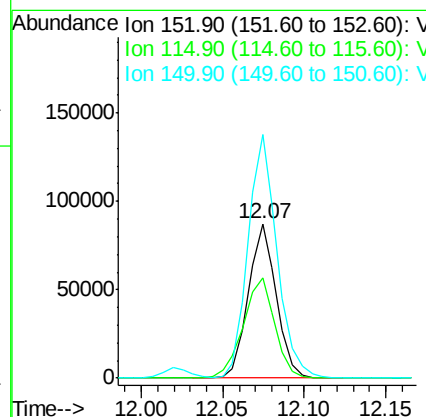
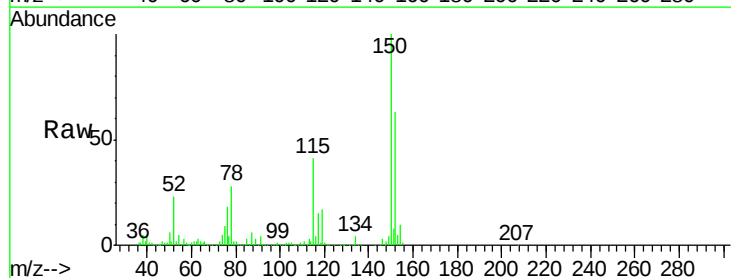
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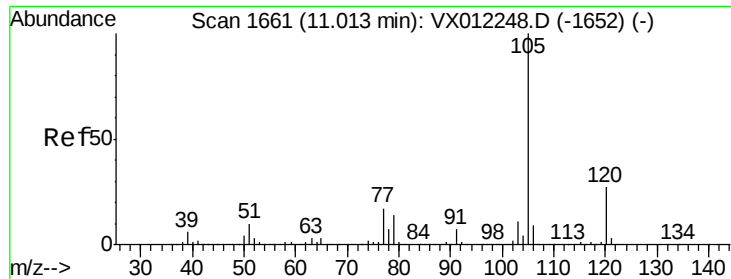
MMDadoda
9/12/2019 9:26:33 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012299.D
Acq: 11 Sep 2019 13:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	74.0	45.5	136.4
150	164.2	0.0	346.4





#73

Isopropylbenzene

Concen: 21.068 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012299.D

Acq: 11 Sep 2019 13:45

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS01

Tot Ion:105 Resp: 144075

Ion Ratio Lower Upper

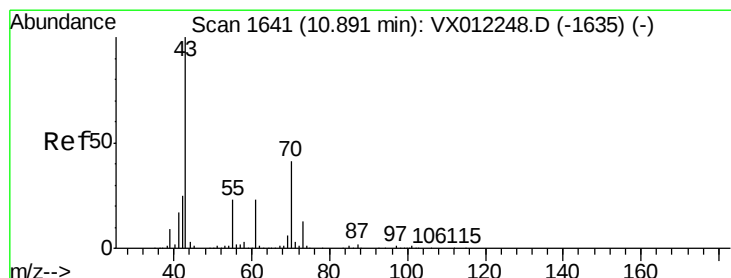
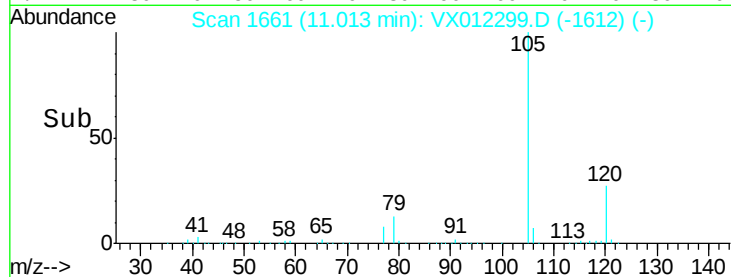
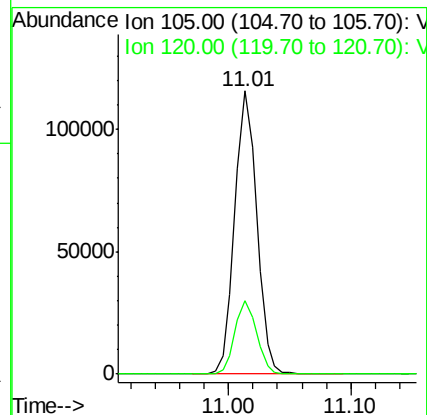
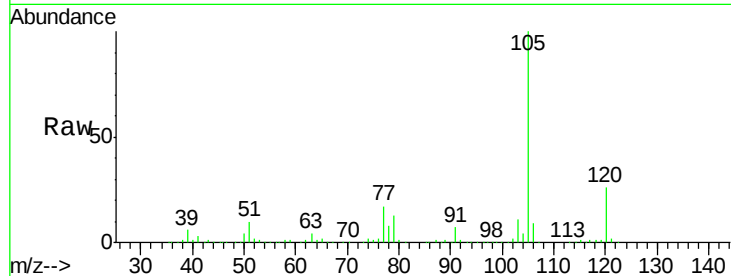
105 100

120 25.7 13.2 39.5

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#74

N-ethyl acetate

Concen: 20.653 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012299.D

Acq: 11 Sep 2019 13:45

Tgt Ion: 43 Resp: 41993

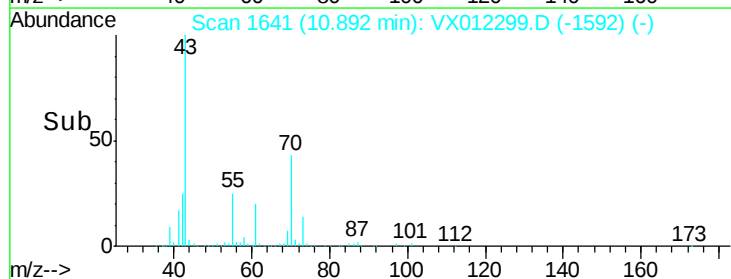
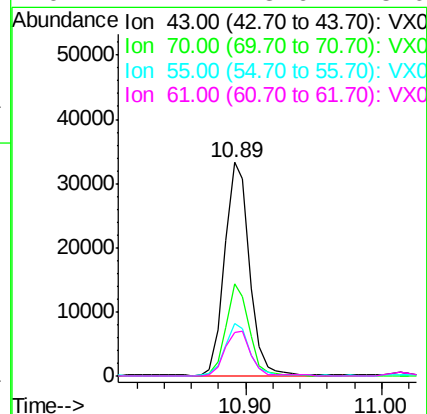
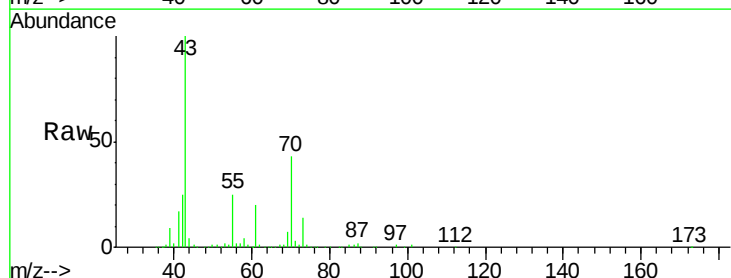
Ion Ratio Lower Upper

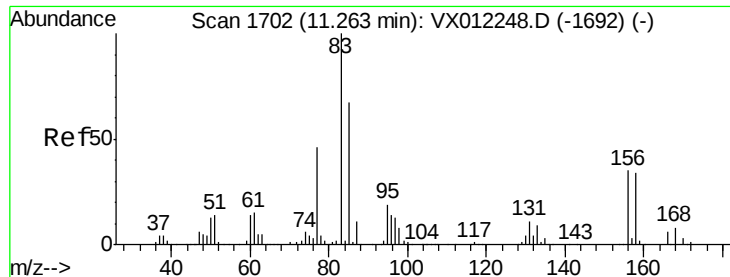
43 100

70 40.9 32.9 49.3

55 24.9 19.1 28.7

61 22.1 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.650 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012299.D

Acq: 11 Sep 2019 13:45

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBSD01

Tot Ion: 83 Resp: 31797

Ion Ratio Lower Upper

83 100

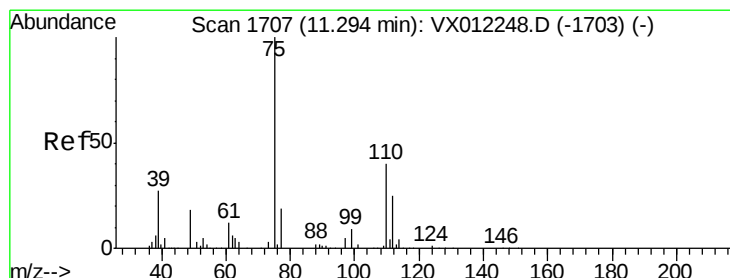
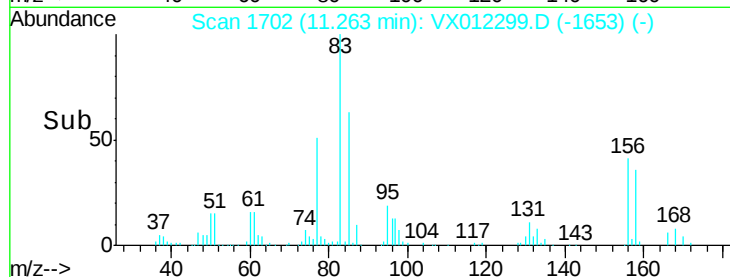
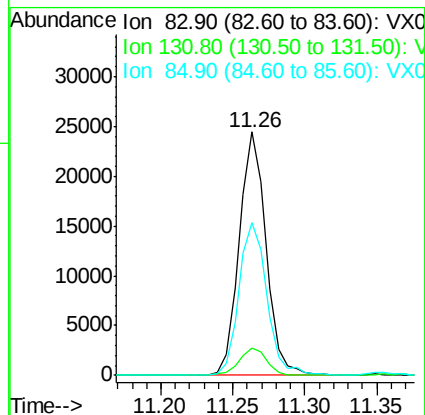
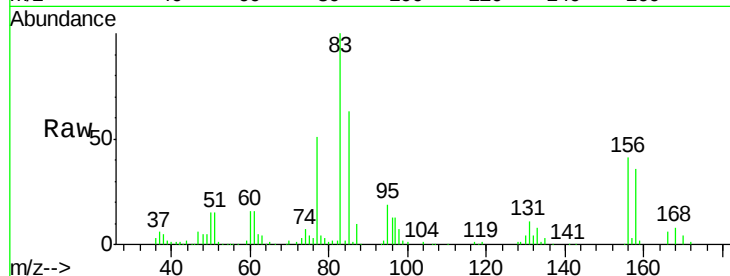
131 11.4 5.5 16.4

85 65.5 32.8 98.4

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#76

1,2,3-Trichloropropane

Concen: 20.557 ug/l m

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX012299.D

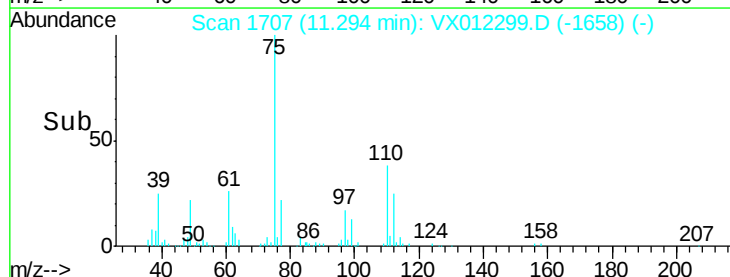
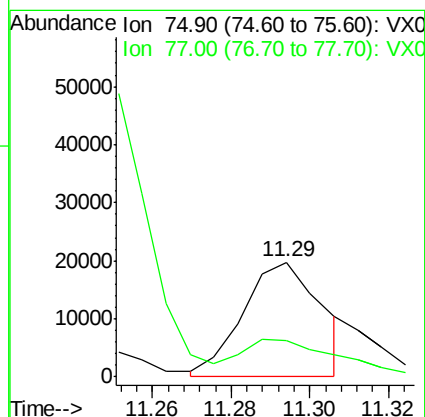
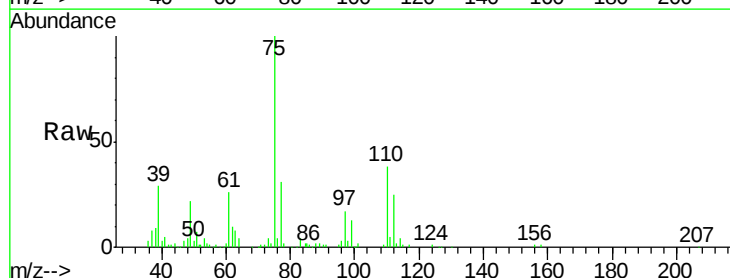
Acq: 11 Sep 2019 13:45

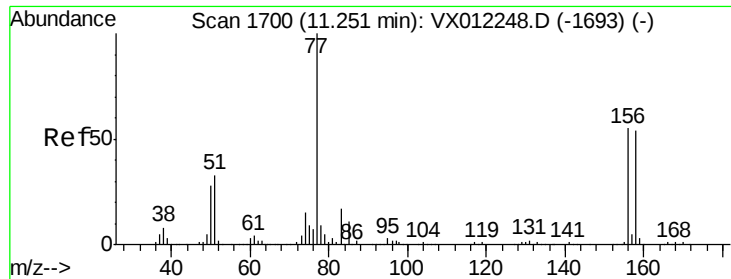
Tgt Ion: 75 Resp: 27432

Ion Ratio Lower Upper

75 100

77 40.6 19.7 59.0





#77

Bromobenzene

Concen: 21.782 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012299.D

Acq: 11 Sep 2019 13:45

Instrument :

MSVOA_X

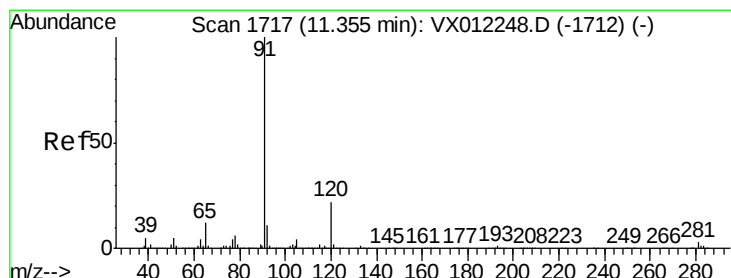
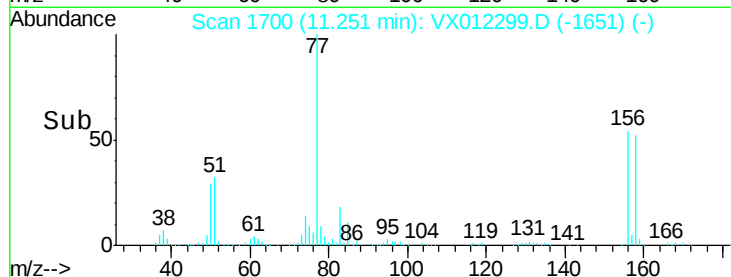
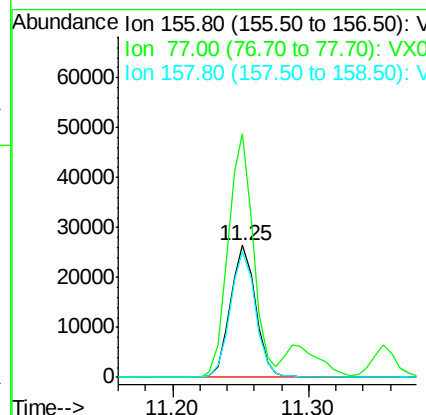
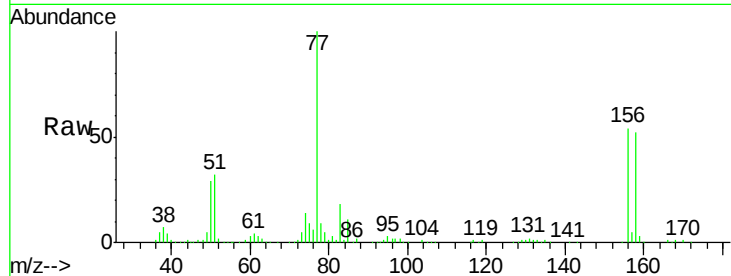
ClientSampleId :

VX0911SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	182.0		92.2	276.6	
158	95.1		48.8	146.3	

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#78

n-propylbenzene

Concen: 20.890 ug/l

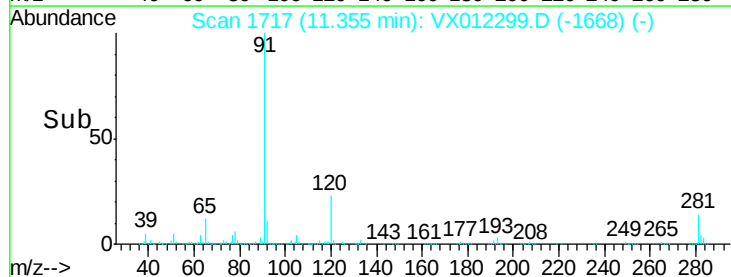
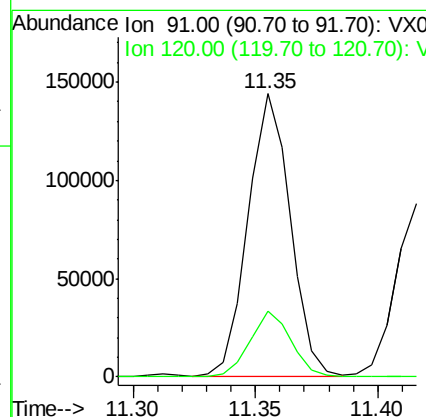
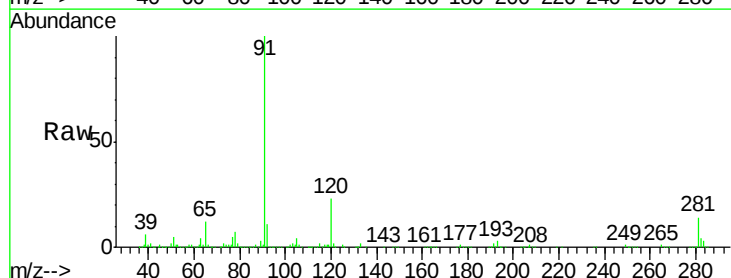
RT: 11.35 min Scan# 1717

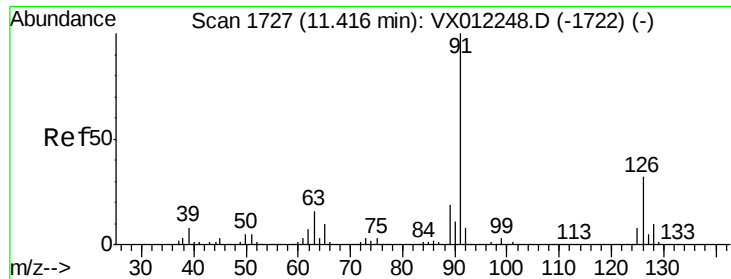
Delta R.T. 0.00 min

Lab File: VX012299.D

Acq: 11 Sep 2019 13:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	22.8		11.2	33.6	





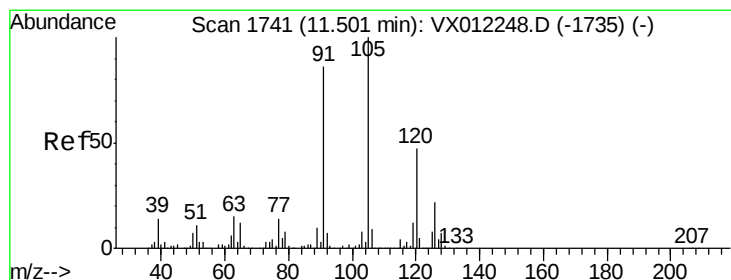
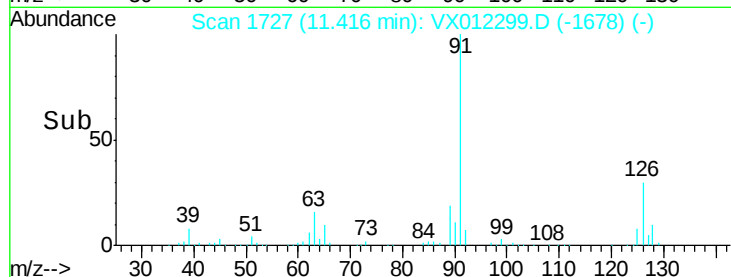
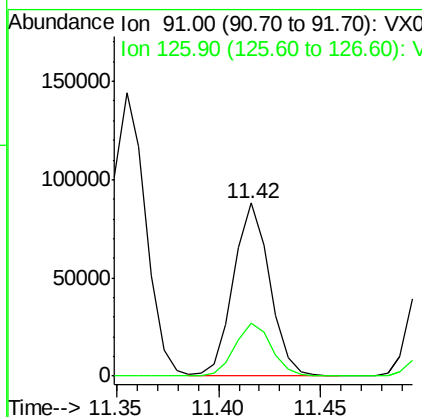
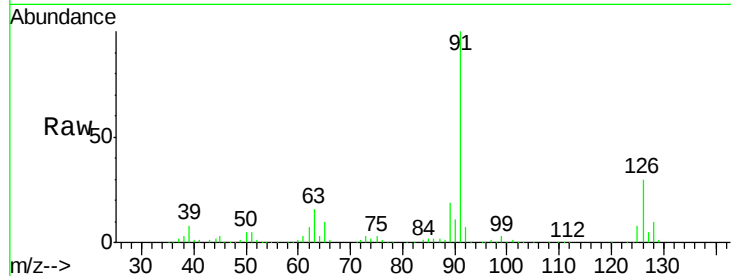
#79
2-Chlorotoluene
Concen: 21.066 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VX012299.D
Acq: 11 Sep 2019 13:45

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBSD01

Tot Ion: 91 Resp: 107783
Ion Ratio Lower Upper
91 100
126 31.2 15.9 47.7

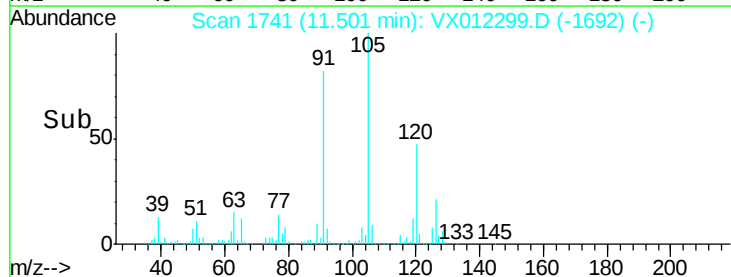
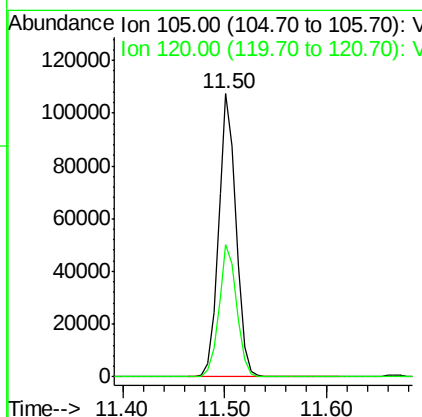
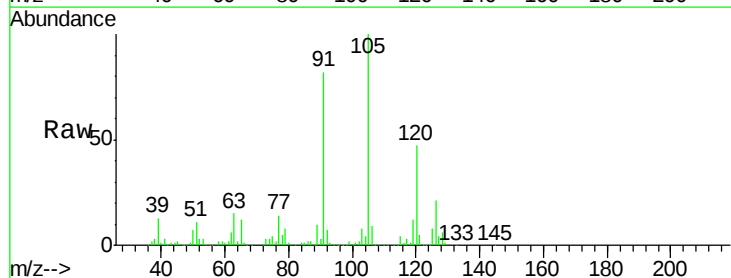
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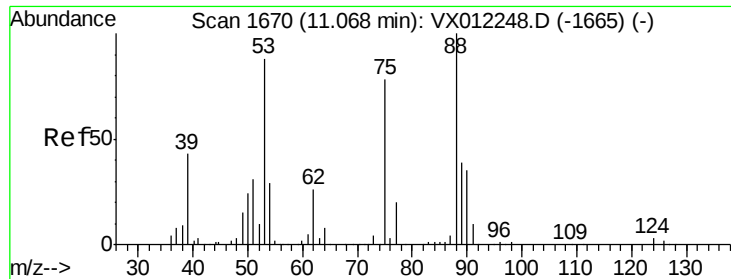
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#80
1,3,5-Trimethylbenzene
Concen: 21.017 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX012299.D
Acq: 11 Sep 2019 13:45

Tgt Ion: 105 Resp: 129247
Ion Ratio Lower Upper
105 100
120 47.3 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 18.551 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012299.D

Acq: 11 Sep 2019 13:45

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBSD01

Tot Ion: 75 Resp: 8262

Ion Ratio Lower Upper

75 100

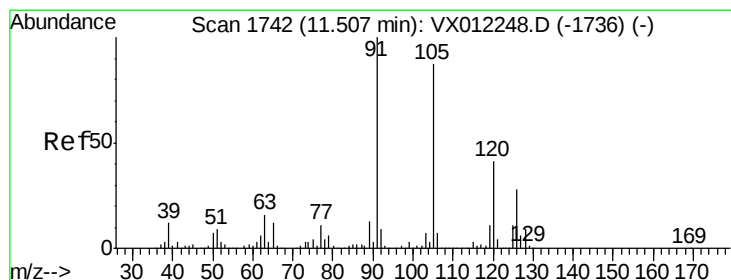
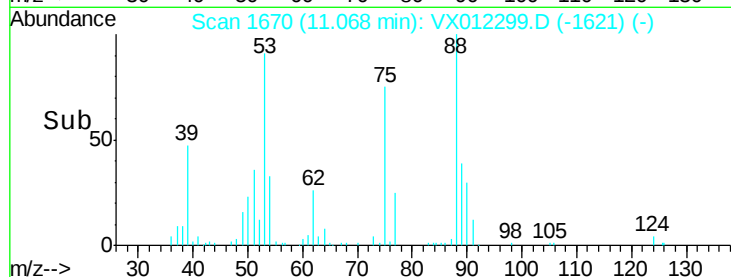
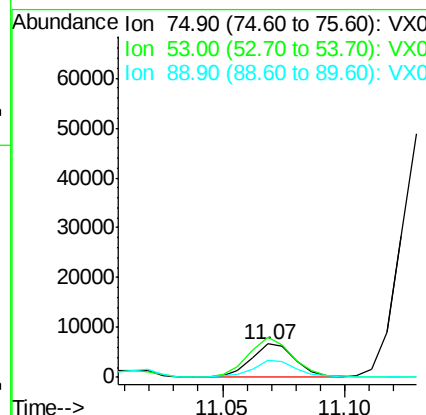
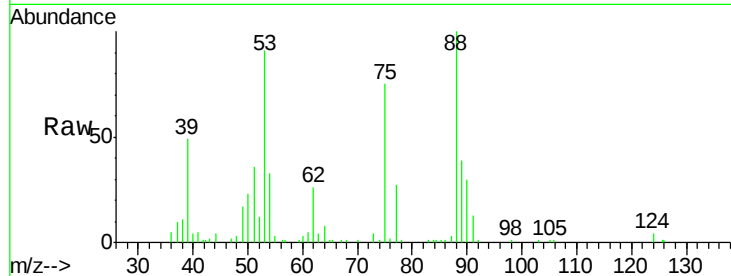
53 125.0 88.1 132.1

89 54.4 43.5 65.3

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#82

4-Chlorotoluene

Concen: 21.327 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX012299.D

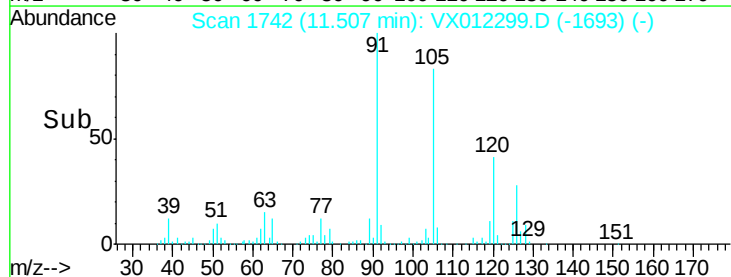
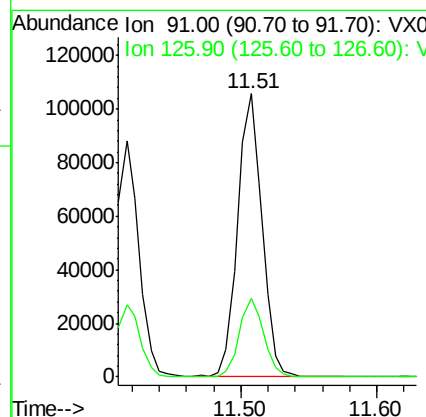
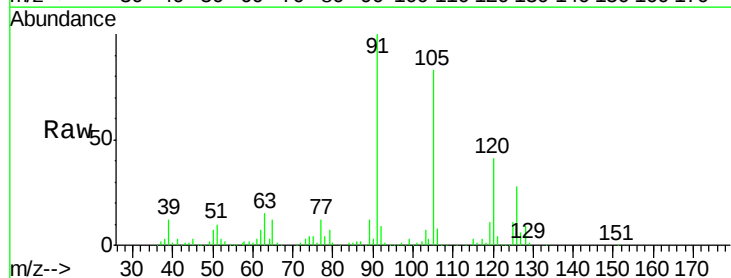
Acq: 11 Sep 2019 13:45

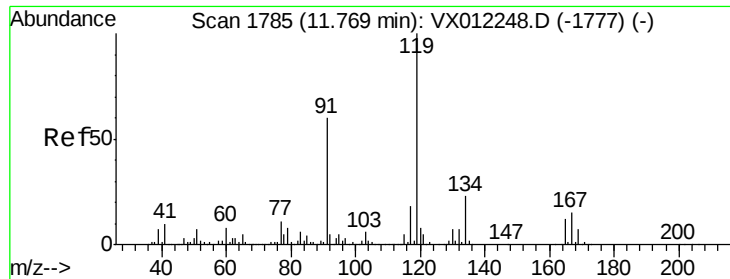
Tgt Ion: 91 Resp: 131135

Ion Ratio Lower Upper

91 100

126 27.9 14.0 42.0





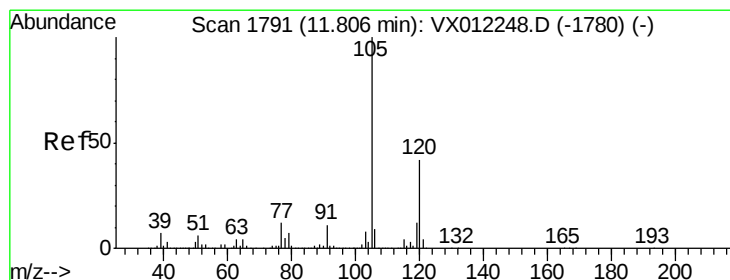
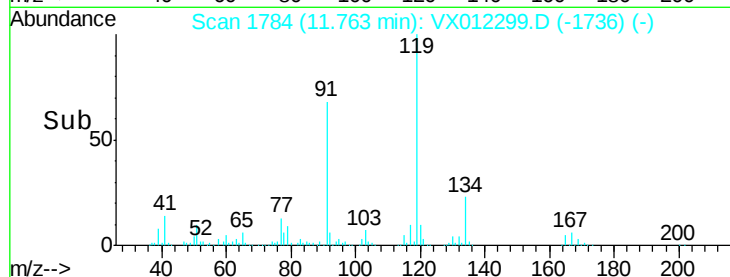
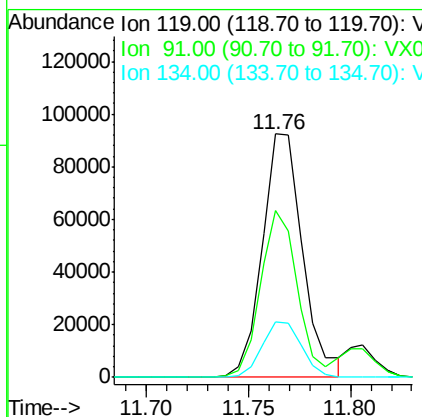
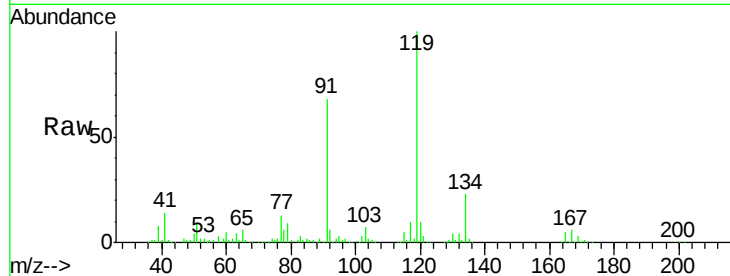
#83
tert-Butylbenzene
Concen: 21.381 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX012299.D
Acq: 11 Sep 2019 13:45

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	127677		
91	62.3	30.9	92.8	
134	22.3	11.2	33.6	

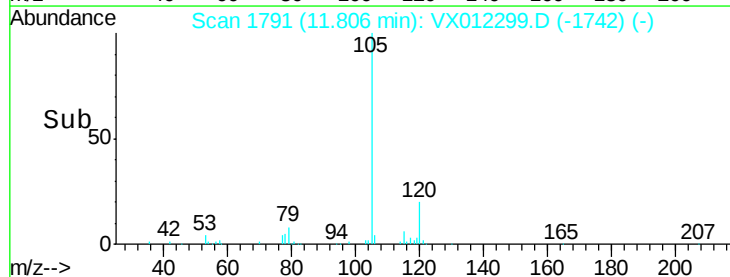
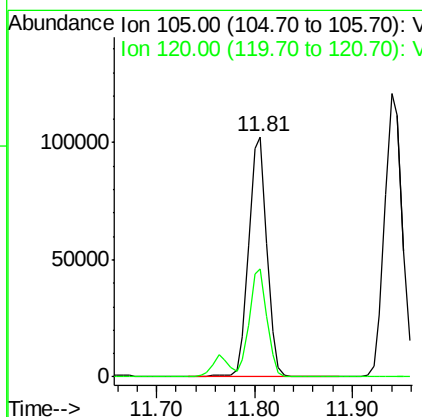
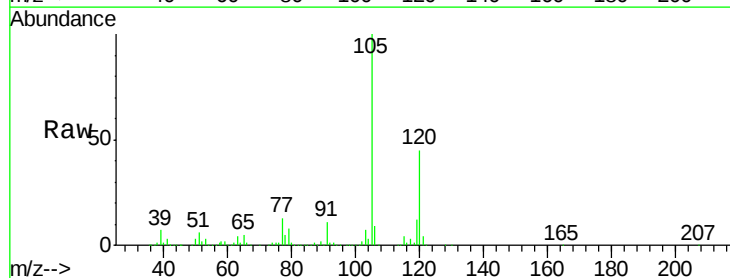
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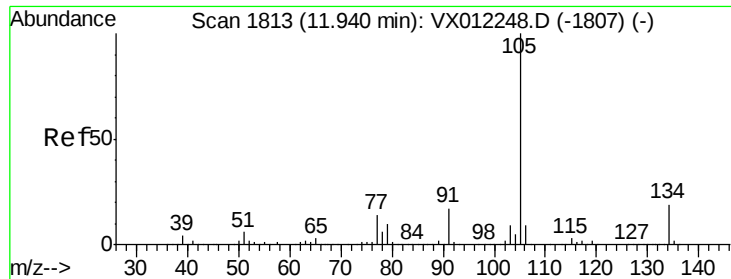
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#84
1,2,4-Trimethylbenzene
Concen: 20.829 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX012299.D
Acq: 11 Sep 2019 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	132416		
120	43.6	21.3	63.9	





#85

sec-Butylbenzene

Concen: 21.328 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012299.D

Acq: 11 Sep 2019 13:45

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBSD01

Tot Ion:105 Resp: 151966

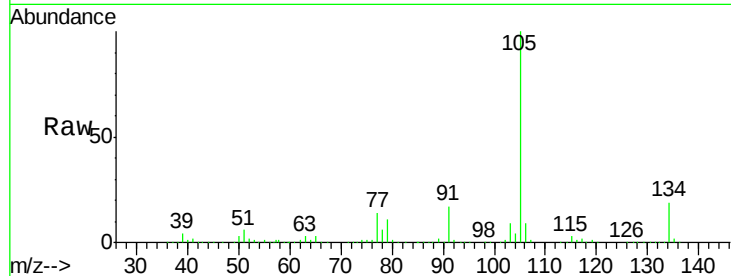
Ion Ratio Lower Upper

105 100

134 19.1 9.9 29.7

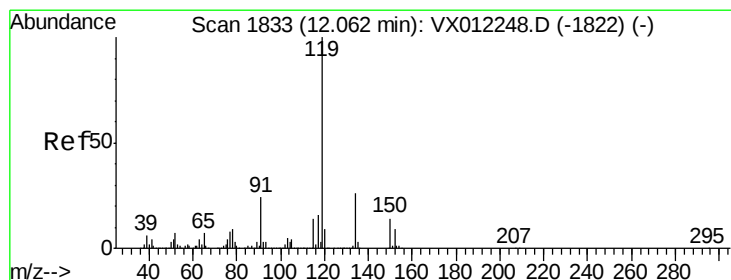
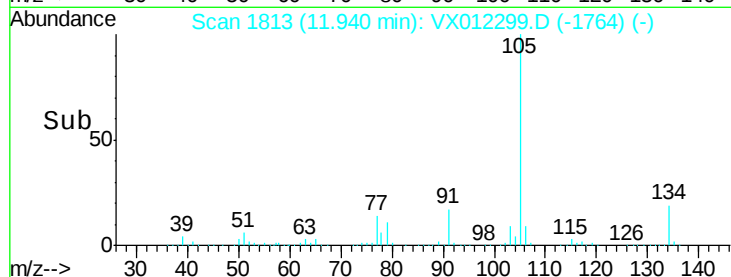
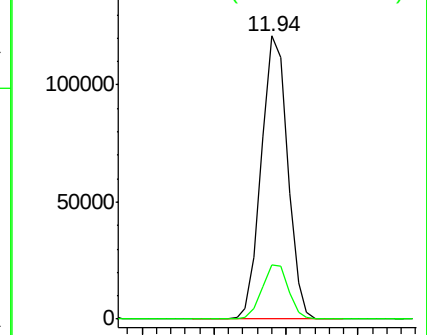
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.170 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012299.D

Acq: 11 Sep 2019 13:45

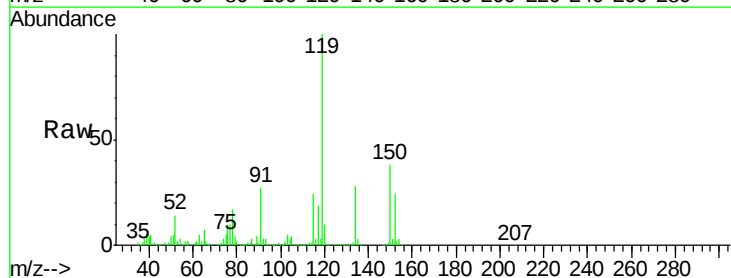
Tgt Ion:119 Resp: 139369

Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.7

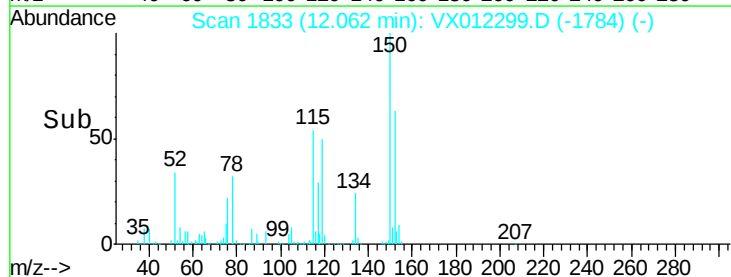
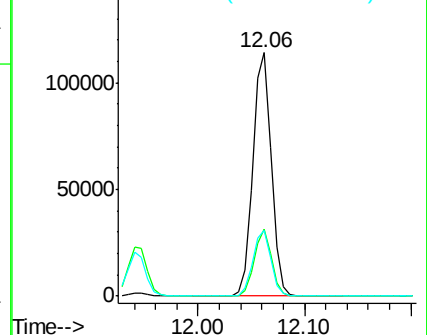
91 26.4 13.1 39.1

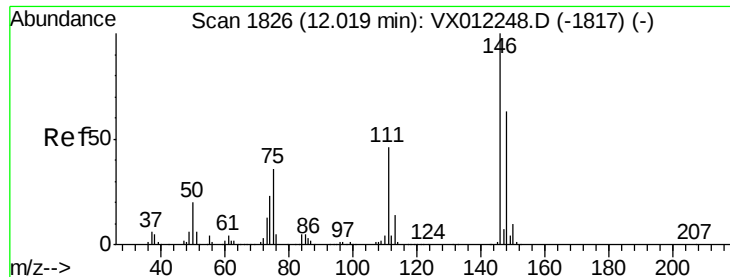


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





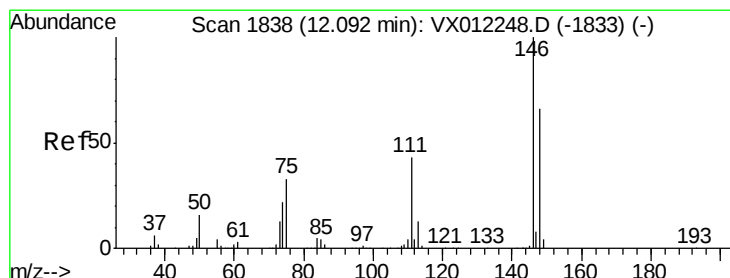
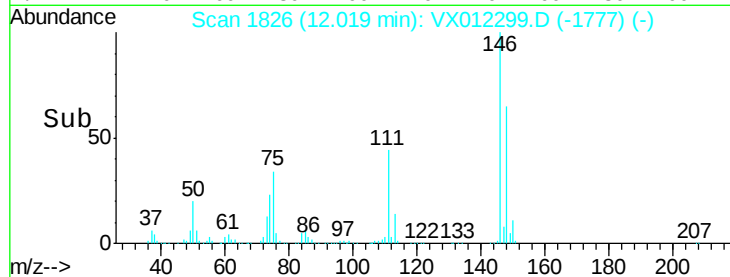
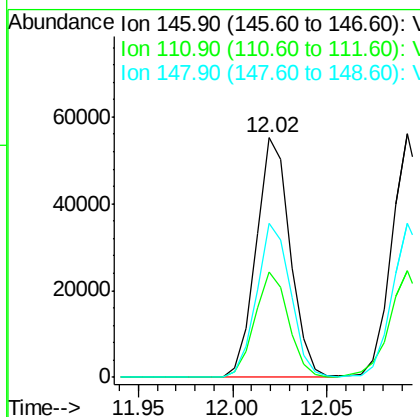
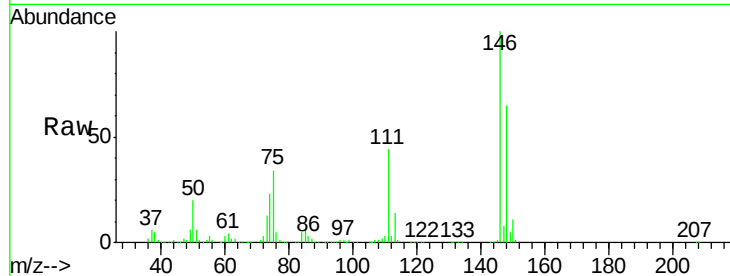
#87
 1,3-Dichlorobenzene
 Concen: 21.523 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012299.D
 Acq: 11 Sep 2019 13:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	22.3	66.8
148	64.3	31.5	94.5

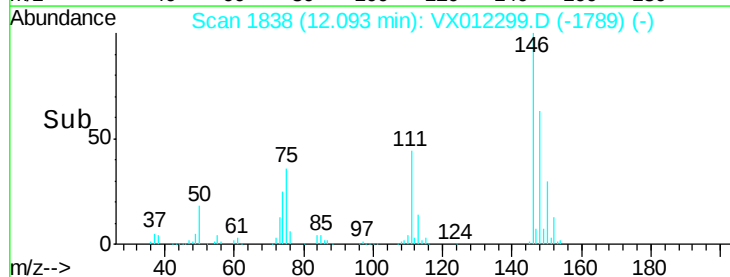
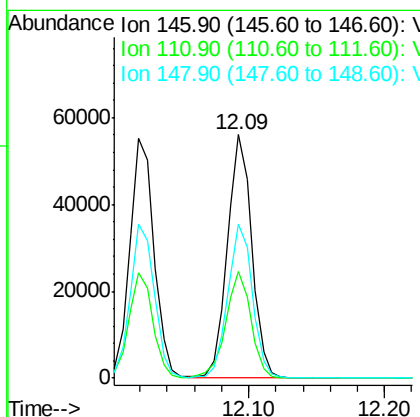
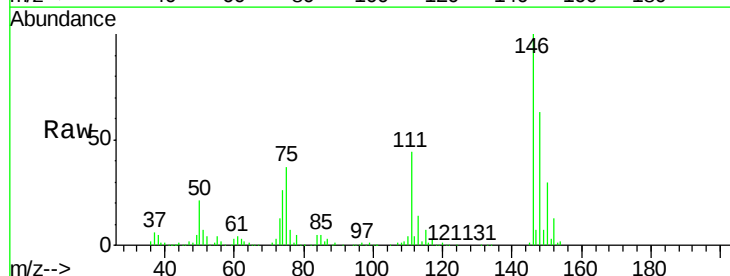
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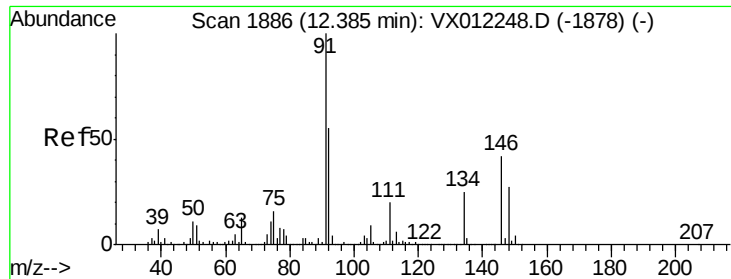
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#88
 1,4-Dichlorobenzene
 Concen: 21.504 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012299.D
 Acq: 11 Sep 2019 13:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.0	21.6	64.8
148	63.9	32.4	97.2





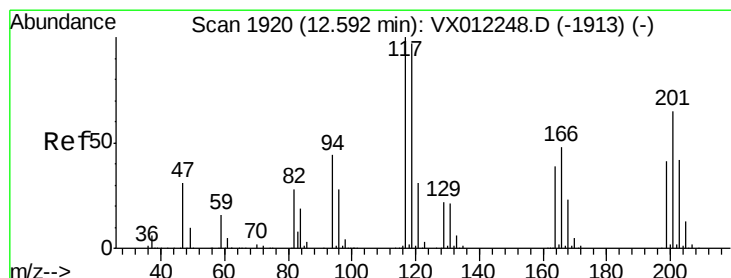
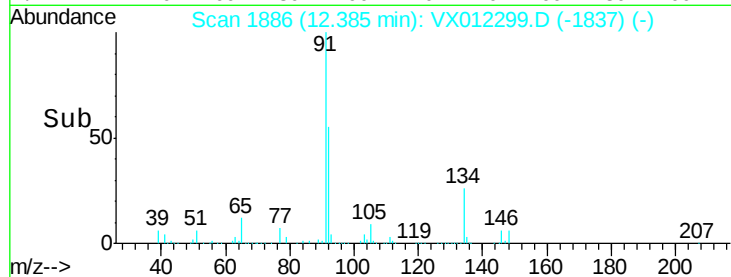
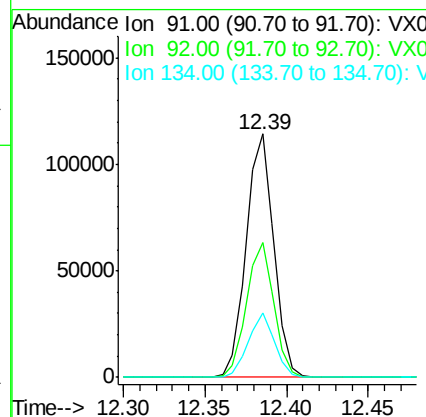
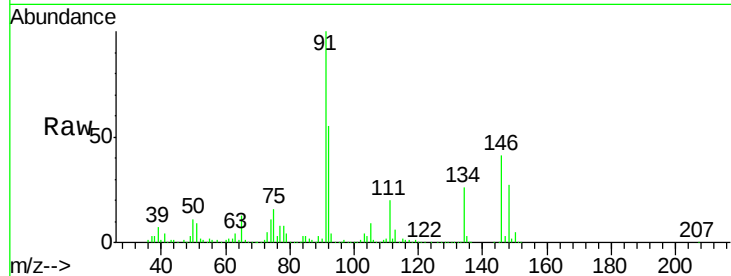
#89
n-Butylbenzene
Concen: 20.943 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012299.D
Acq: 11 Sep 2019 13:45

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.2	27.6	82.7
134	25.3	12.5	37.5

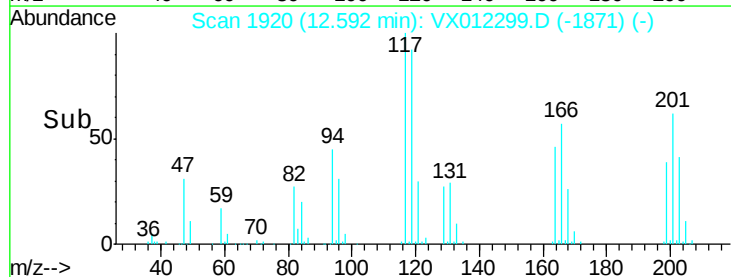
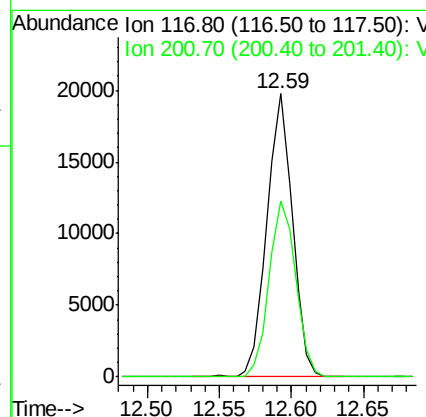
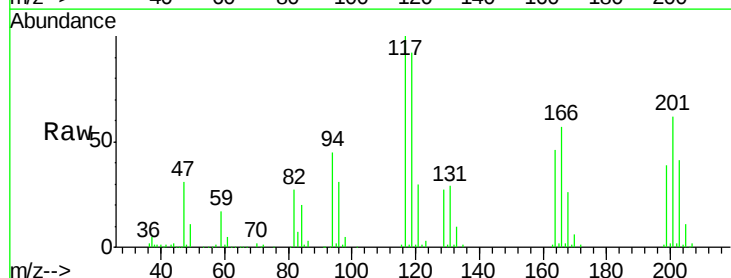
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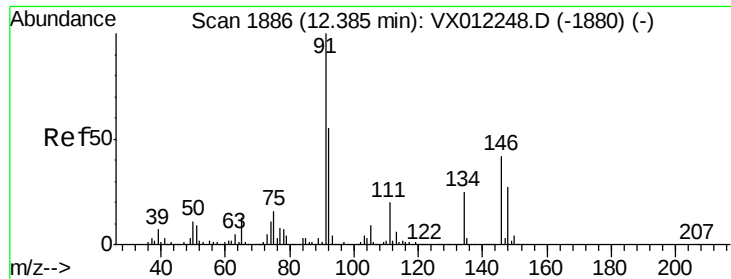
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#90
Hexachloroethane
Concen: 20.041 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012299.D
Acq: 11 Sep 2019 13:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.7	32.2	96.6





#91

1,2-Dichlorobenzene

Concen: 20.933 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012299.D

Acq: 11 Sep 2019 13:45

Instrument :

MSVOA_X

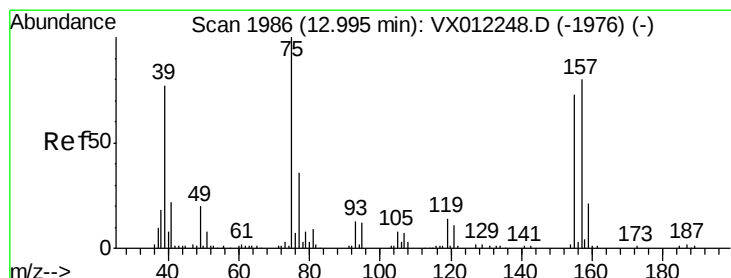
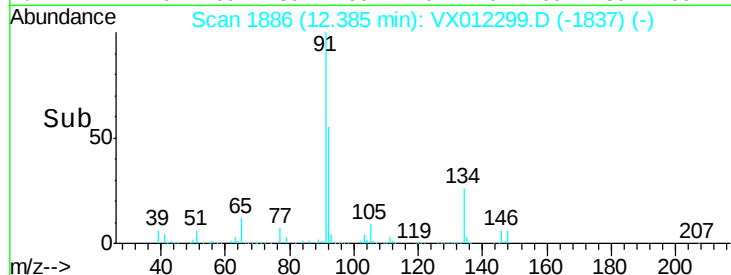
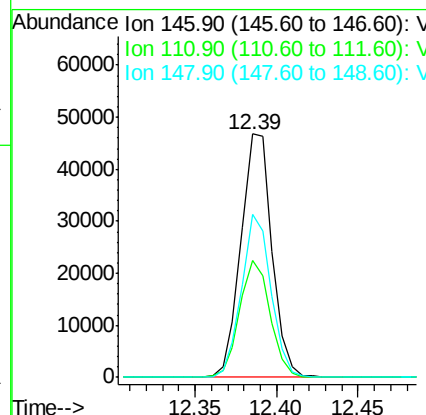
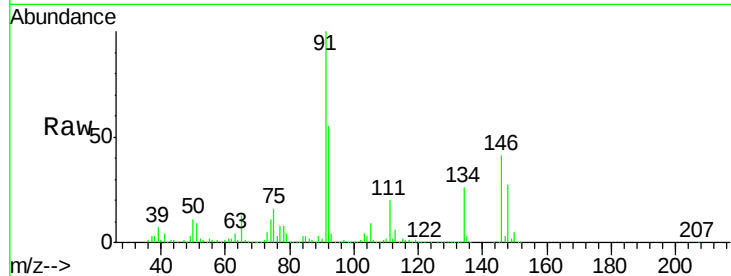
ClientSampleId :

VX0911SBS01

Tot Ion:	146	Resp:	62104
Ion Ratio	Lower	Upper	
146	100		
111	47.5	23.2	69.6
148	63.4	32.4	97.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.539 ug/l

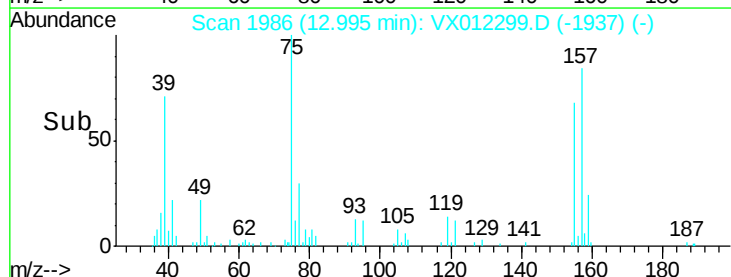
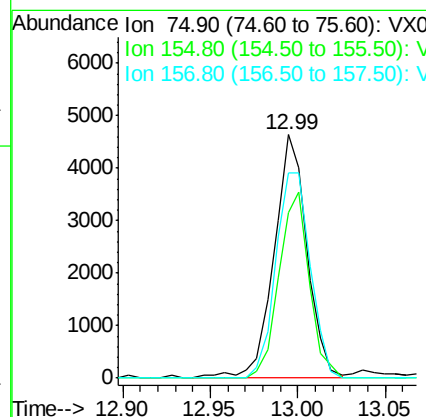
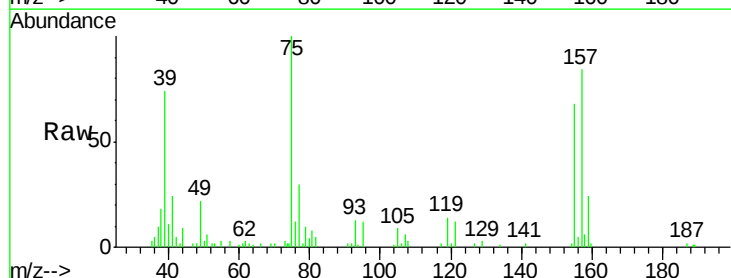
RT: 12.99 min Scan# 1986

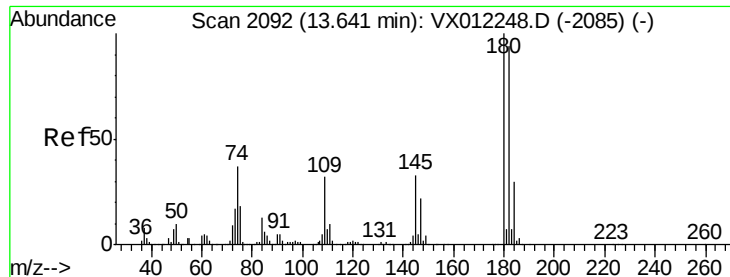
Delta R.T. 0.00 min

Lab File: VX012299.D

Acq: 11 Sep 2019 13:45

Tgt Ion:	75	Resp:	6157
Ion Ratio	Lower	Upper	
75	100		
155	69.5	35.3	105.7
157	87.9	43.2	129.6





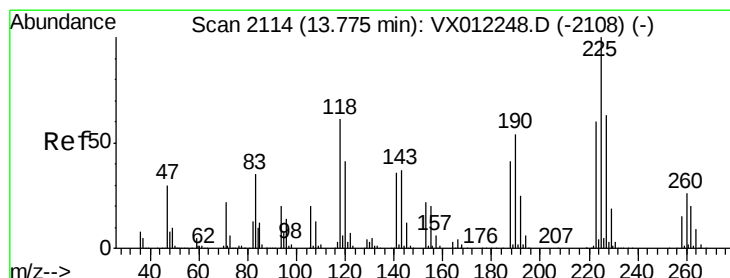
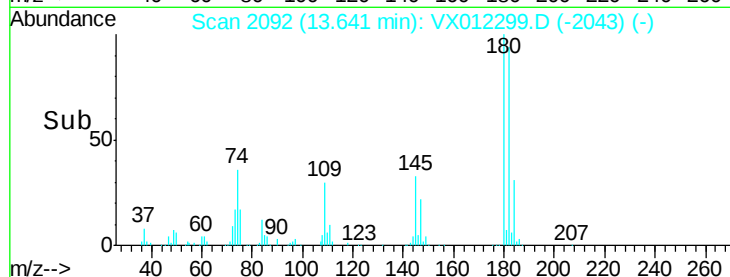
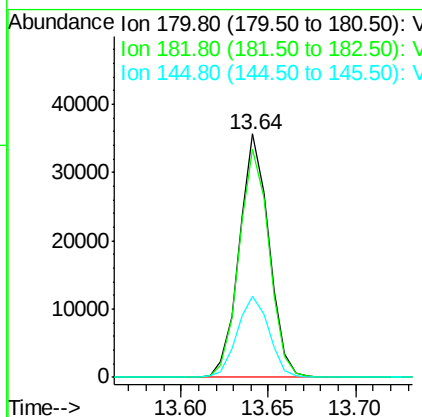
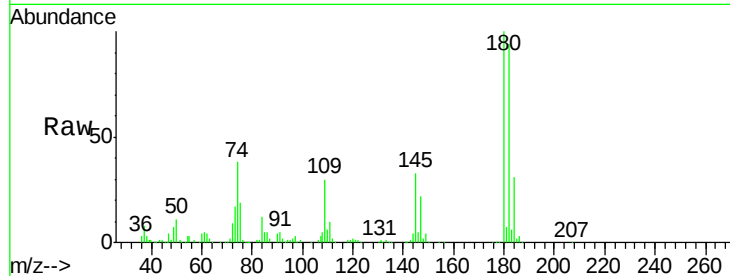
#93
 1,2,4-Trichlorobenzene
 Concen: 20.477 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012299.D
 Acq: 11 Sep 2019 13:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	41954		
182	95.3	46.9	140.8	
145	35.6	17.1	51.2	

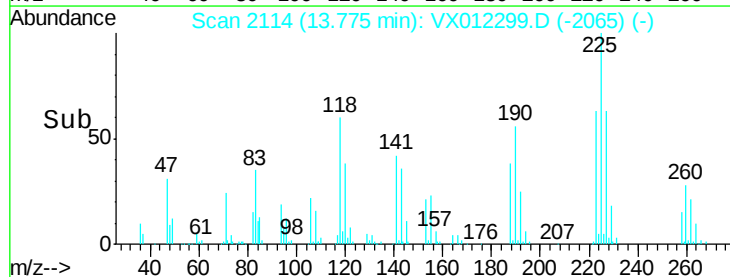
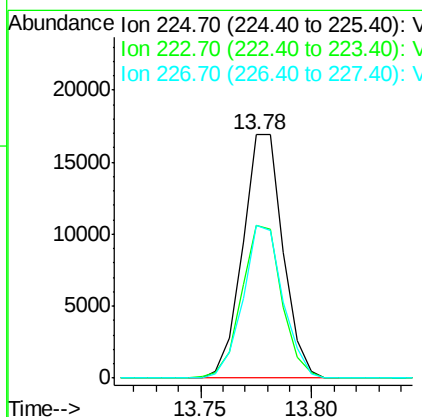
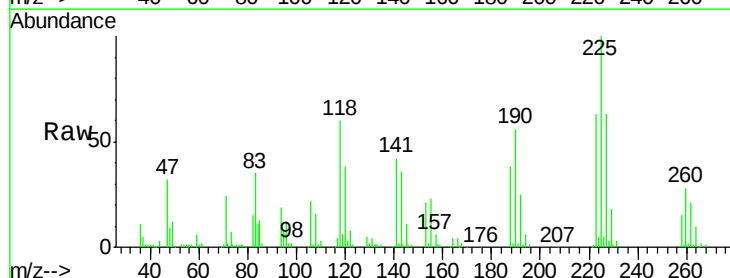
Manual Integrations
 APPROVED

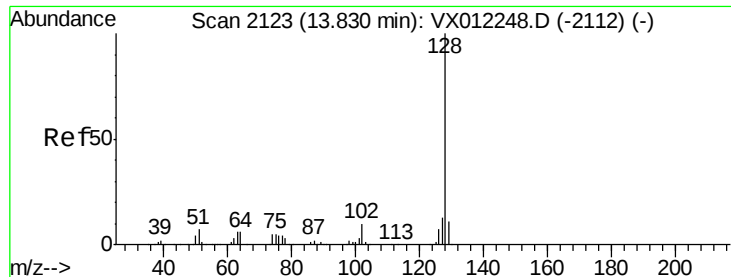
MMDadoda
 9/12/2019 9:26:33 AM



#94
 Hexachlorobutadiene
 Concen: 20.944 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX012299.D
 Acq: 11 Sep 2019 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	21348		
223	62.5	32.1	96.5	
227	61.9	32.5	97.5	





#95

Naphthalene

Concen: 20.823 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012299.D

Acq: 11 Sep 2019 13:45

Instrument :

MSVOA_X

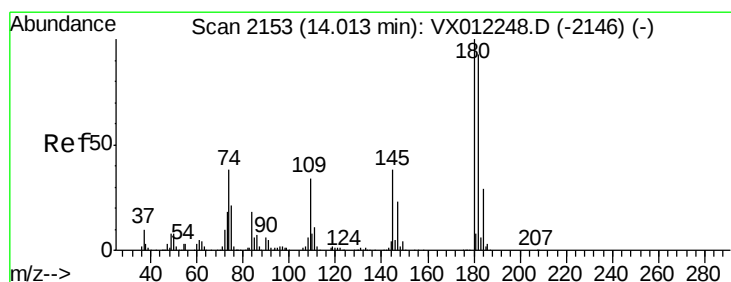
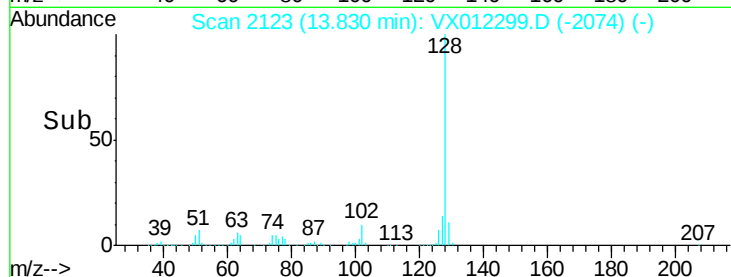
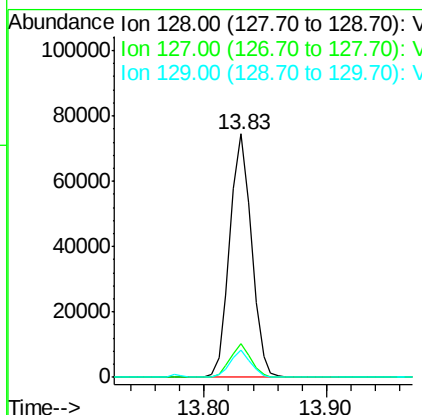
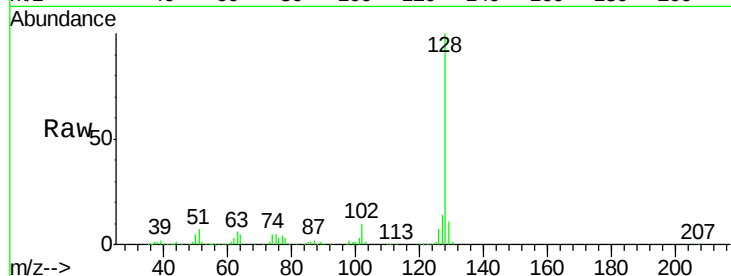
ClientSampleId :

VX0911SBSD01

Tot Ion:	128	Resp:	91557
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.2	15.2
129	10.5	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
9/12/2019 9:26:33 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.404 ug/l

RT: 14.02 min Scan# 2154

Delta R.T. 0.01 min

Lab File: VX012299.D

Acq: 11 Sep 2019 13:45

Tgt Ion:	180	Resp:	38802
Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.0	141.0
145	37.0	18.6	55.8

