

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091219\
 Data File : VX012344.D
 Acq On : 12 Sep 2019 12:41
 Operator : SY/SP
 Sample : VX0912SBS01
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 10:12:03 AM

Quant Time: Sep 12 14:00:00 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	5.64	168	141055	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	246839	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	226667	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	115720	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	93887	47.08	ug/l	0.00
Spiked Amount						
			Recovery	=	94.16%	
35) Dibromofluoromethane	5.48	113	72088	45.56	ug/l	0.00
Spiked Amount						
			Recovery	=	91.12%	
50) Toluene-d8	8.71	98	281396	50.70	ug/l	0.00
Spiked Amount						
			Recovery	=	101.40%	
62) 4-Bromofluorobenzene	11.14	95	117809	45.79	ug/l	0.00
Spiked Amount						
			Recovery	=	91.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	23529	20.403	ug/l	96
3) Chloromethane	1.31	50	21988	21.152	ug/l	98
4) Vinyl Chloride	1.39	62	21654	21.009	ug/l	97
5) Bromomethane	1.62	94	10083	21.495	ug/l	100
6) Chloroethane	1.70	64	14102	20.461	ug/l	99
7) Trichlorofluoromethane	1.91	101	38347	20.557	ug/l	100
8) Diethyl Ether	2.17	74	13029	20.469	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.36	101	25844	20.556	ug/l	97
10) Methyl Iodide	2.50	142	16184	13.525	ug/l	97
11) Tert butyl alcohol	3.03	59	16173m	69.712	ug/l	
12) 1,1-Dichloroethene	2.36	96	22459	21.042	ug/l	93
13) Acrolein	2.28	56	9311	89.316	ug/l	96
14) Allyl chloride	2.71	41	41643	19.137	ug/l	99
15) Acrylonitrile	3.13	53	41208	104.728	ug/l	97
16) Acetone	2.43	43	42980	91.041	ug/l	96
17) Carbon Disulfide	2.55	76	41133	18.352	ug/l	97
18) Methyl Acetate	2.76	43	20284	20.442	ug/l	97
19) Methyl tert-butyl Ether	3.18	73	85152	20.202	ug/l	98
20) Methylene Chloride	2.84	84	31412	19.732	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	25647	20.140	ug/l	96
22) Diisopropyl ether	3.84	45	98024	19.697	ug/l	99
23) Vinyl Acetate	3.80	43	303197	99.298	ug/l	100
24) 1,1-Dichloroethane	3.68	63	53136	19.933	ug/l	98
25) 2-Butanone	4.66	43	60304	99.923	ug/l	100
26) 2,2-Dichloropropane	4.57	77	46815	18.706	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	32883	20.001	ug/l	100
28) Bromochloromethane	5.00	49	22972	18.374	ug/l	98
29) Tetrahydrofuran	5.12	42	35562	109.214	ug/l	98
30) Chloroform	5.19	83	58966	19.616	ug/l	99
31) Cyclohexane	5.56	56	36971	19.966	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	50552	19.585	ug/l	98
36) 1,1-Dichloropropene	5.78	75	36644	20.359	ug/l	96
37) Ethyl Acetate	4.82	43	23136	20.794	ug/l #	96
38) Carbon Tetrachloride	5.77	117	40931	19.383	ug/l	98

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 Misc : 5.00g/5.0mL/MSVOA X/SOIL
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Instrument :
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 ClientSampleID :
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Manual Integrations
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MMDadoda
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Quant Time: Sep 12 14:00:00 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	38983	19.736	ug/l	99
40) Benzene	6.13	78	111646	20.495	ug/l	98
41) Methacrylonitrile	5.03	41	14968	21.822	ug/l	96
42) 1,2-Dichloroethane	6.18	62	43962	20.419	ug/l	99
43) Isopropyl Acetate	6.43	43	48752	20.783	ug/l	99
44) Trichloroethene	7.20	130	30377	20.605	ug/l	95
45) 1,2-Dichloropropane	7.50	63	31125	20.642	ug/l	96
46) Dibromomethane	7.65	93	17097	20.746	ug/l	97
47) Bromodichloromethane	7.89	83	43155	19.189	ug/l	90
48) Methyl methacrylate	7.76	41	23048	20.527	ug/l	99
49) 1,4-Dioxane	7.73	88	6671	440.305	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	128785	104.025	ug/l	99
52) Toluene	8.78	92	72206	20.068	ug/l	95
53) t-1,3-Dichloropropene	9.04	75	43266	19.275	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	47738	19.179	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	26575	20.815	ug/l	98
56) Ethyl methacrylate	9.17	69	35163	20.341	ug/l	97
57) 1,3-Dichloropropane	9.37	76	45778	20.994	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	90173	101.777	ug/l	99
59) 2-Hexanone	9.49	43	89502	103.975	ug/l	99
60) Dibromochloromethane	9.58	129	28851	19.357	ug/l	97
61) 1,2-Dibromoethane	9.67	107	24115	20.291	ug/l	100
64) Tetrachloroethene	9.33	164	25145	20.976	ug/l	96
65) Chlorobenzene	10.14	112	84756	20.464	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	31162	19.960	ug/l	97
67) Ethyl Benzene	10.25	91	148112	20.107	ug/l	99
68) m/p-Xylenes	10.35	106	111414	41.088	ug/l	99
69) o-Xylene	10.70	106	53883	20.285	ug/l	99
70) Styrene	10.71	104	96347	20.452	ug/l	99
71) Bromoform	10.85	173	15995	19.757	ug/l #	98
73) Isopropylbenzene	11.01	105	151040	19.826	ug/l	98
74) N-amyl acetate	10.89	43	43273	19.104	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	33351	20.384	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	29654m	19.948	ug/l	
77) Bromobenzene	11.25	156	36091	20.577	ug/l	97
78) n-propylbenzene	11.35	91	179610	19.523	ug/l	100
79) 2-Chlorotoluene	11.42	91	110583	19.402	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	134039	19.565	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	8126	16.378	ug/l	92
82) 4-Chlorotoluene	11.51	91	134204	19.592	ug/l	100
83) tert-Butylbenzene	11.77	119	130613	19.634	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	137512	19.416	ug/l	98
85) sec-Butylbenzene	11.94	105	153621	19.354	ug/l	99
86) p-Isopropyltoluene	12.06	119	141680	19.318	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	73055	20.447	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	72616	20.099	ug/l	99
89) n-Butylbenzene	12.39	91	139562	19.415	ug/l	98
90) Hexachloroethane	12.59	117	24020	17.781	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	66424	20.097	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	5992	17.942	ug/l	93

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ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBSD01

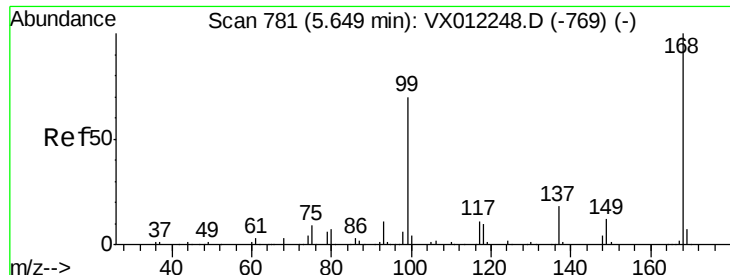
Manual Integrations
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9/13/2019 10:12:03 AM

Quant Time: Sep 12 14:00:00 2019
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	13.64	180	45079	19.750	ug/l	98
94) Hexachlorobutadiene	13.78	225	23264	20.488	ug/l	99
95) Naphthalene	13.83	128	97290	19.862	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	40621	20.114	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX012344.D

Acq: 12 Sep 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS01

Tot Ion:168 Resp: 141055

Ion Ratio Lower Upper

168 100

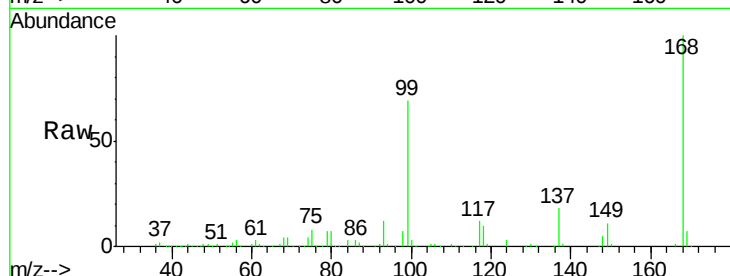
99 69.1 55.8 83.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

50000

40000

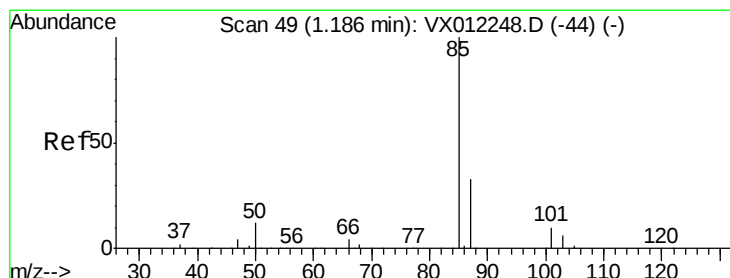
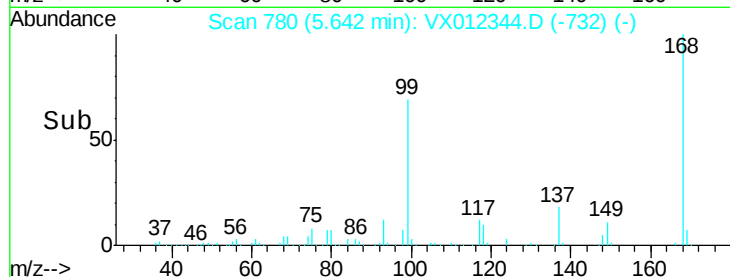
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 20.403 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012344.D

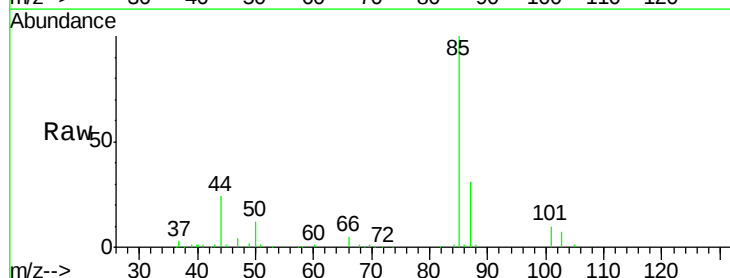
Acq: 12 Sep 2019 12:41

Tgt Ion: 85 Resp: 23529

Ion Ratio Lower Upper

85 100

87 31.2 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

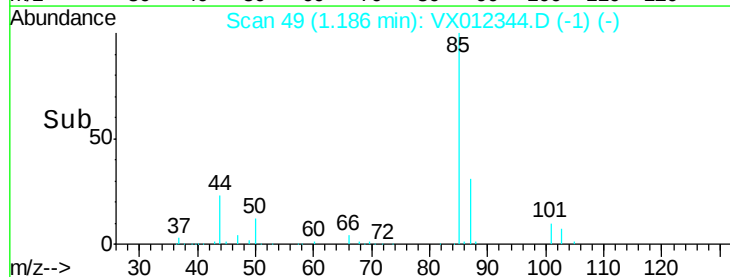
15000

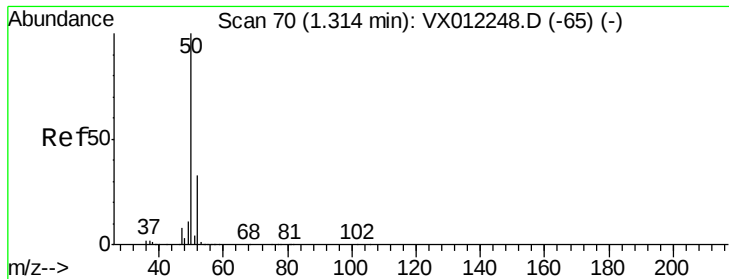
10000

5000

0

Time--> 1.10 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 21.152 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012344.D

Acq: 12 Sep 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS01

Tot Ion: 50 Resp: 21988

Ion Ratio Lower Upper

50 100

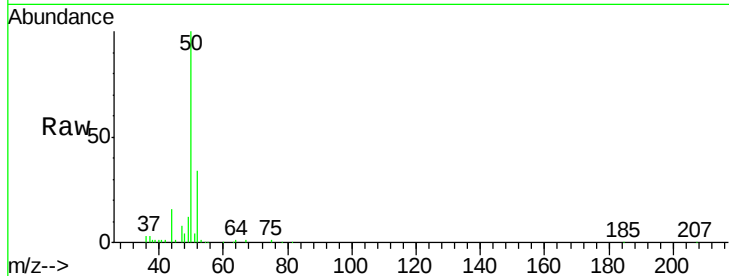
52 34.3 26.7 40.1

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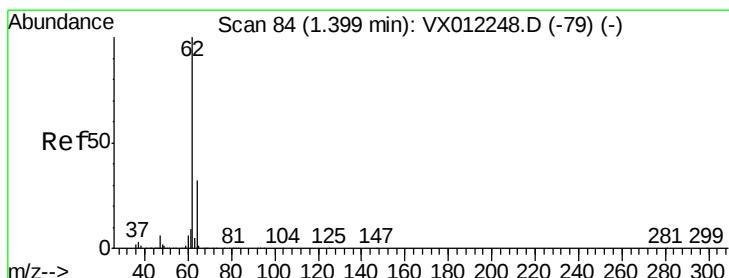
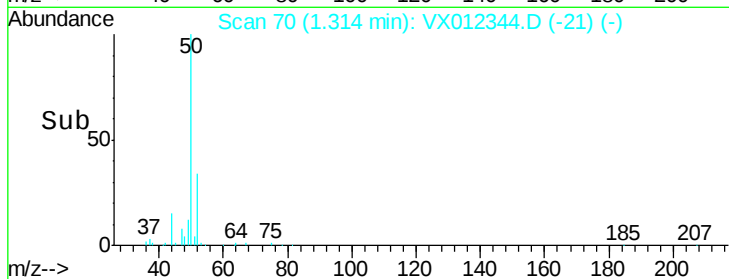
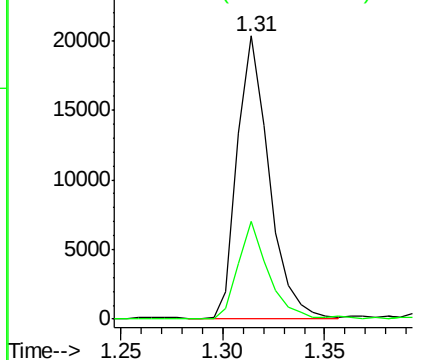
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 21.009 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.01 min

Lab File: VX012344.D

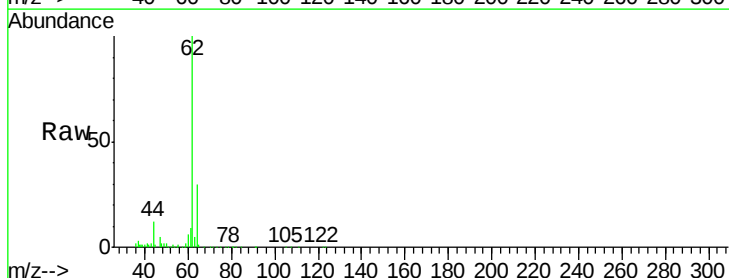
Acq: 12 Sep 2019 12:41

Tgt Ion: 62 Resp: 21654

Ion Ratio Lower Upper

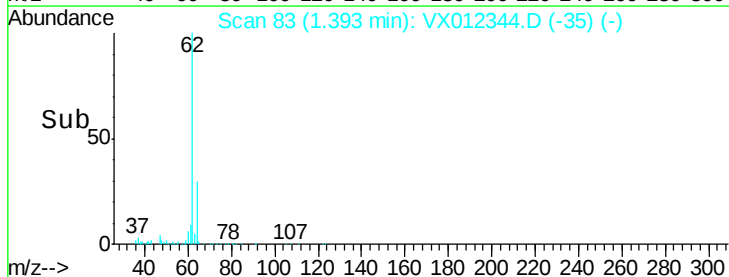
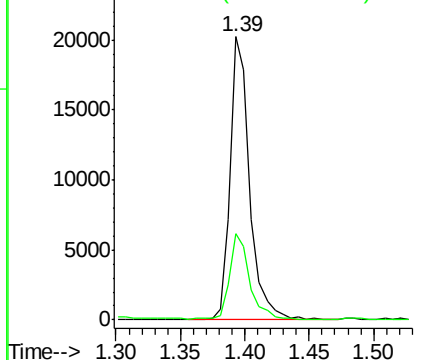
62 100

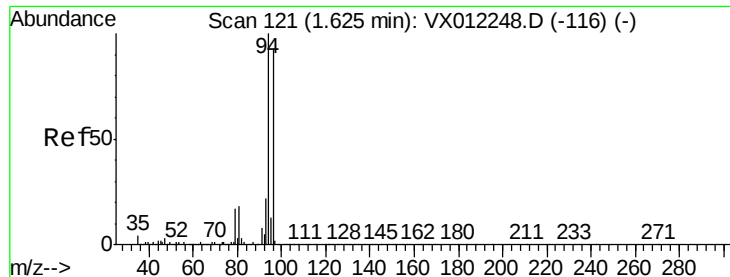
64 30.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 21.495 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012344.D

Acq: 12 Sep 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS01

Tot Ion: 94 Resp: 10083

Ion Ratio Lower Upper

94 100

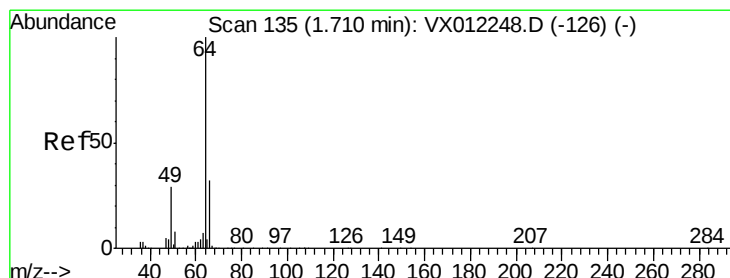
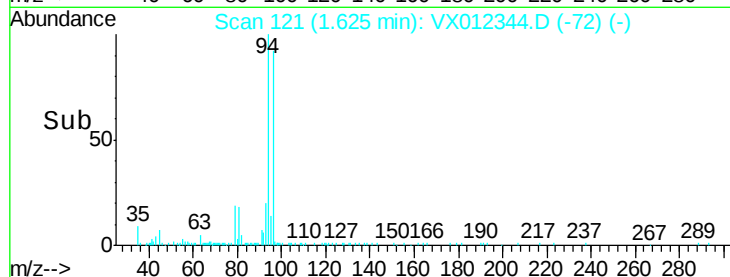
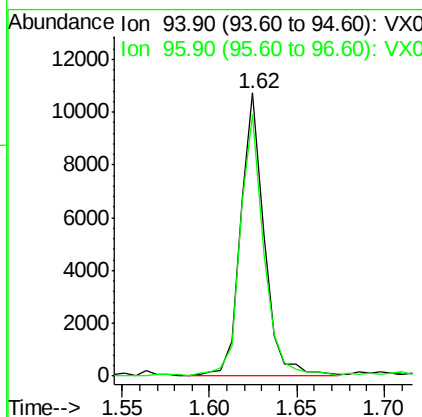
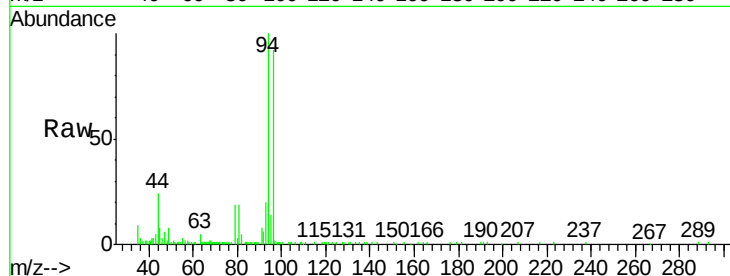
96 92.5 74.0 111.0

Manual Integrations

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#6

Chloroethane

Concen: 20.461 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012344.D

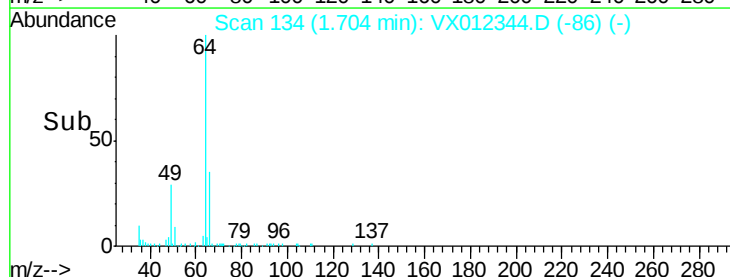
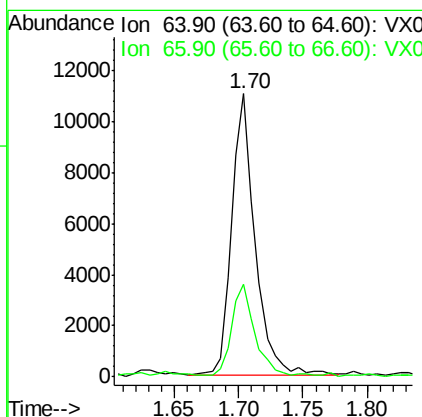
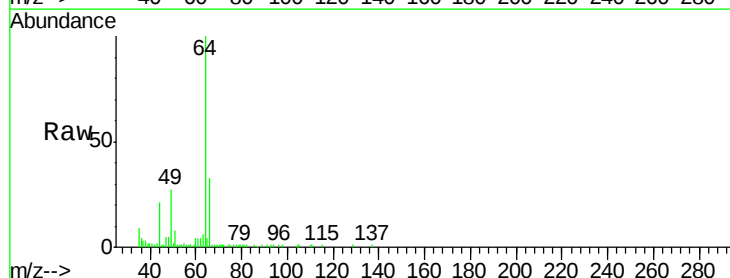
Acq: 12 Sep 2019 12:41

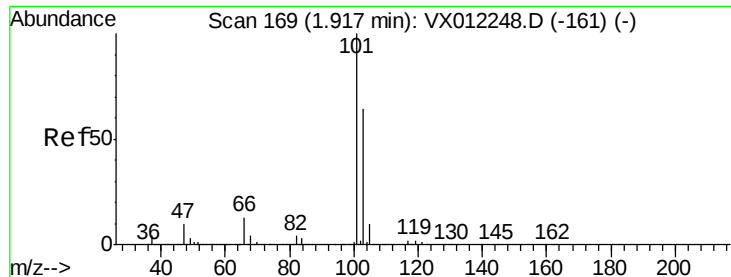
Tgt Ion: 64 Resp: 14102

Ion Ratio Lower Upper

64 100

66 32.9 25.8 38.6





#7

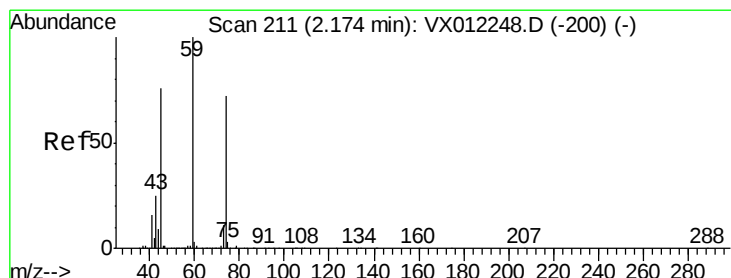
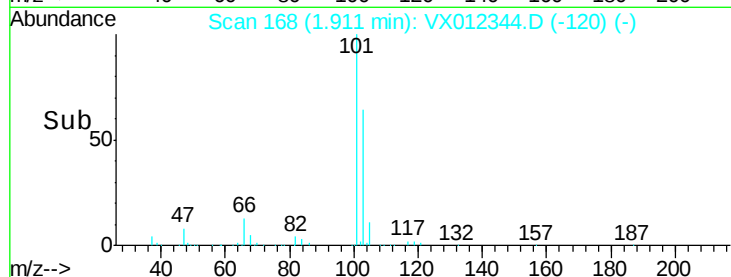
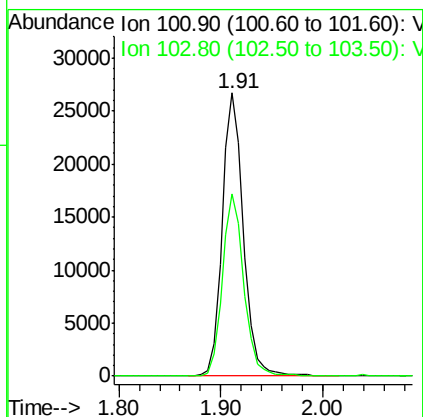
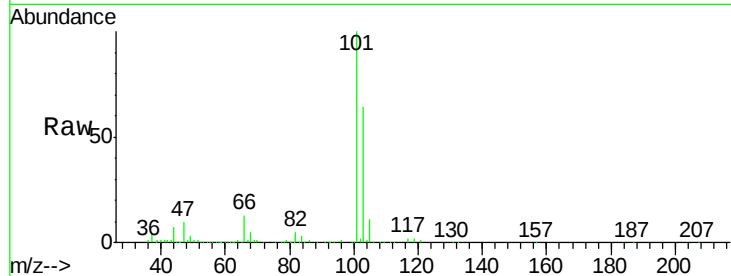
Trichlorofluoromethane
Concen: 20.557 ug/l
RT: 1.91 min Scan# 168
Delta R.T. -0.01 min
Lab File: VX012344.D
Acq: 12 Sep 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.4	77.2

Manual Integrations
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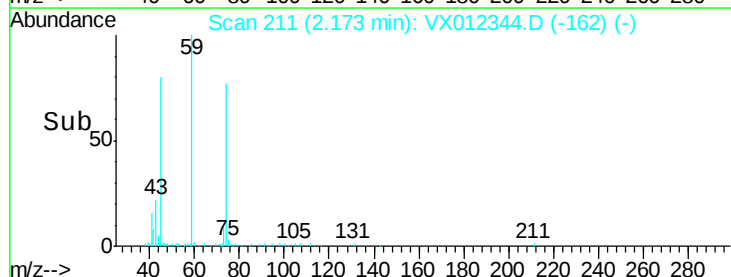
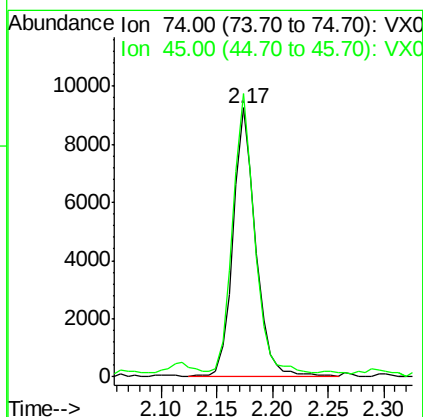
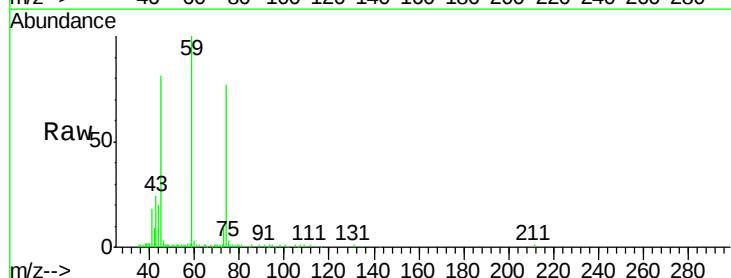
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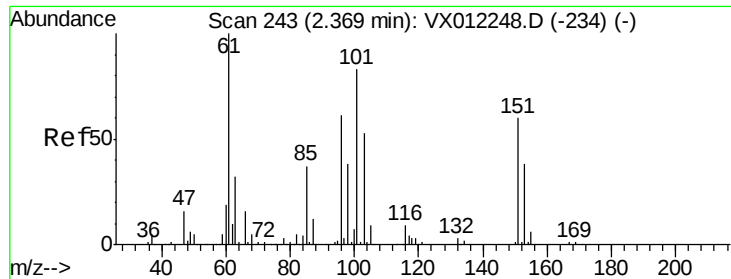


#8

Diethyl Ether
Concen: 20.469 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX012344.D
Acq: 12 Sep 2019 12:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.6	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.556 ug/l

RT: 2.36 min Scan# 242

Delta R.T. -0.01 min

Lab File: VX012344.D

Acq: 12 Sep 2019 12:41

Instrument :

MSVOA_X

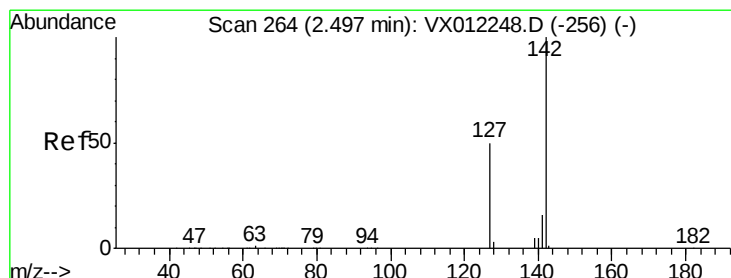
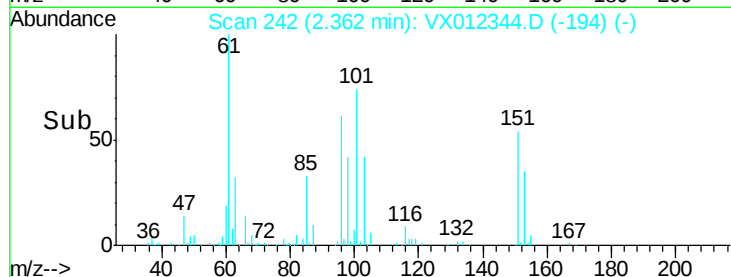
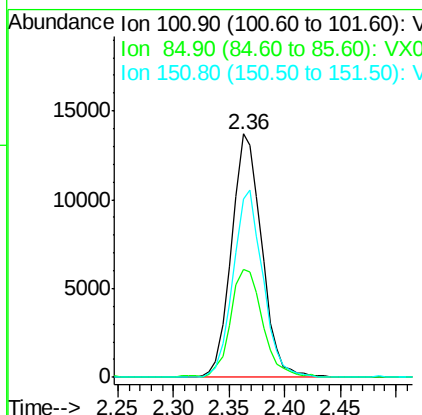
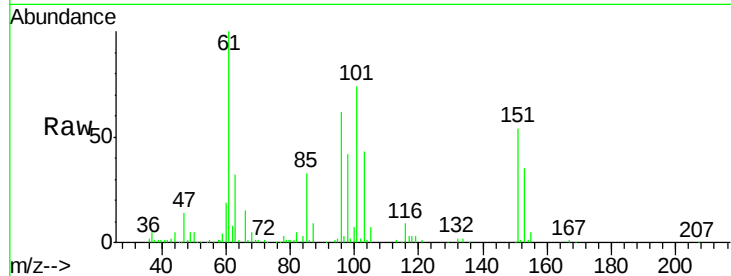
ClientSampleId :

VX0912SBS01

Tot Ion:	101	Resp:	25844
Ion Ratio	Lower	Upper	
101	100		
85	47.4	37.0	55.6
151	75.9	58.6	87.8

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#10

Methyl Iodide

Concen: 13.525 ug/l

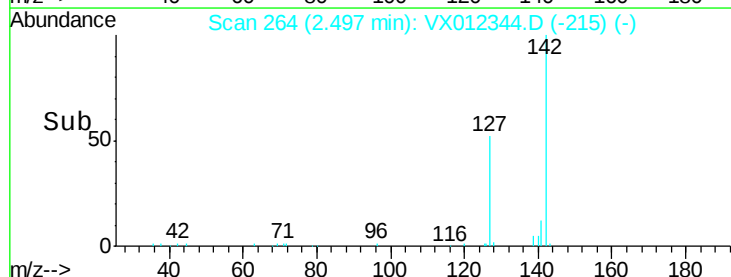
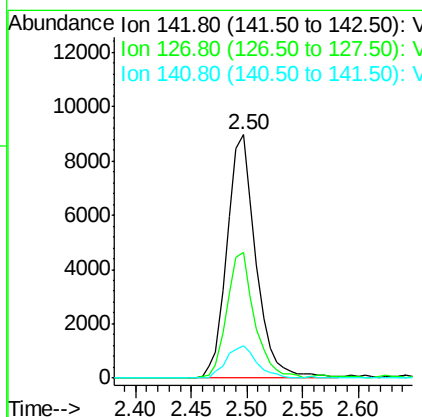
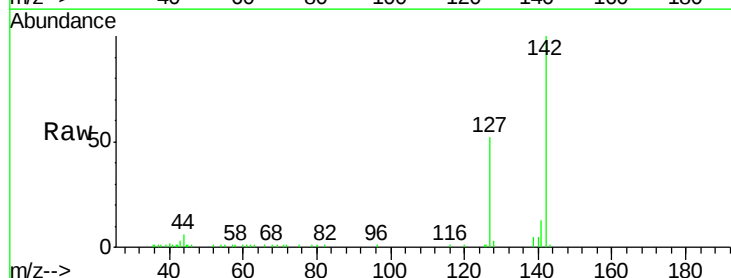
RT: 2.50 min Scan# 264

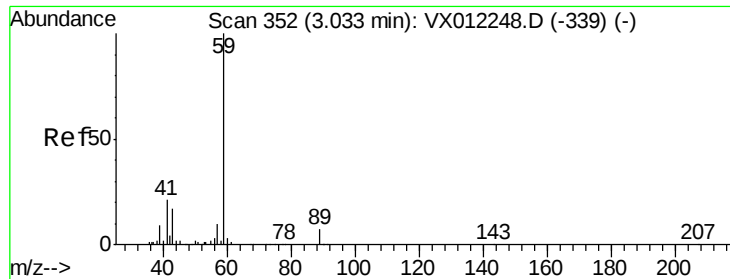
Delta R.T. -0.00 min

Lab File: VX012344.D

Acq: 12 Sep 2019 12:41

Tgt Ion:	142	Resp:	16184
Ion Ratio	Lower	Upper	
142	100		
127	49.1	40.6	61.0
141	13.6	12.0	18.0





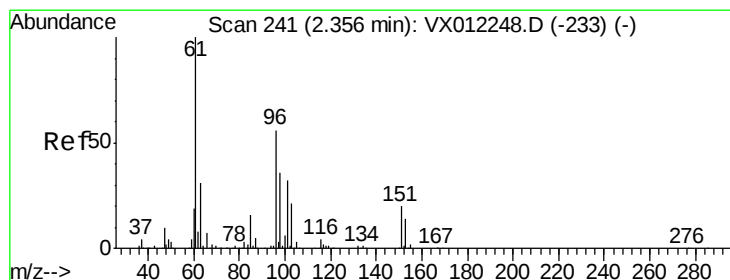
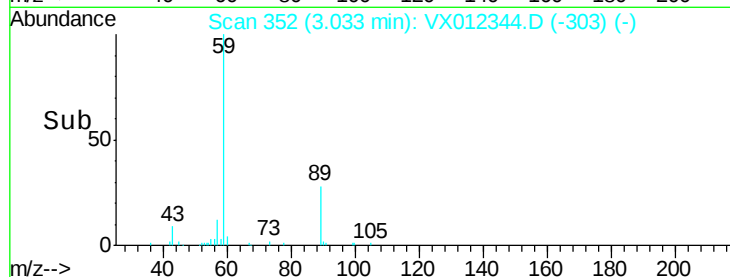
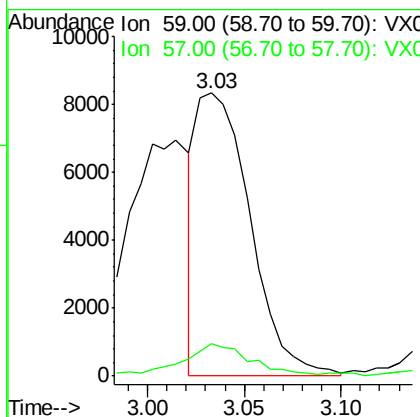
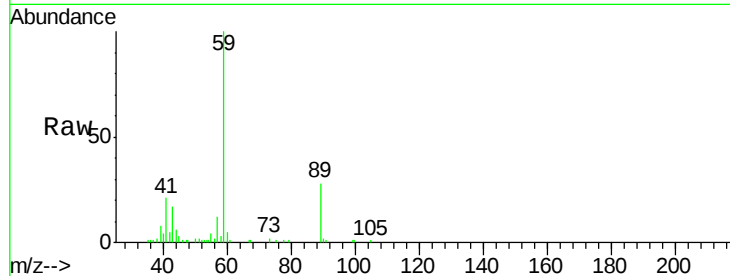
#11
Tert butyl alcohol
Concen: 69.712 ug/l m
RT: 3.03 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX012344.D
Acq: 12 Sep 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS01

Tot Ion: 59 Resp: 16173
Ion Ratio Lower Upper
59 100
57 12.6 7.8 11.6#

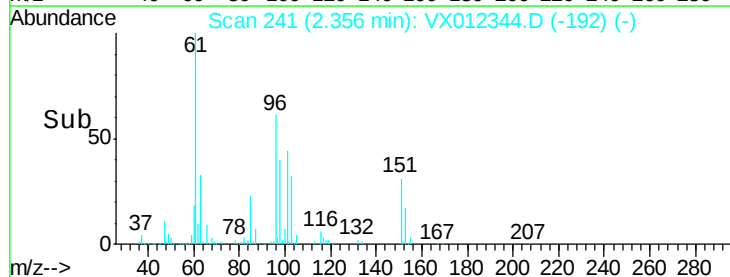
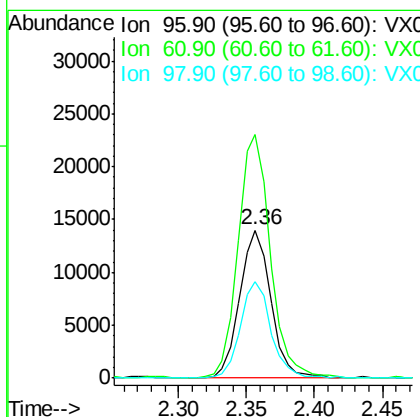
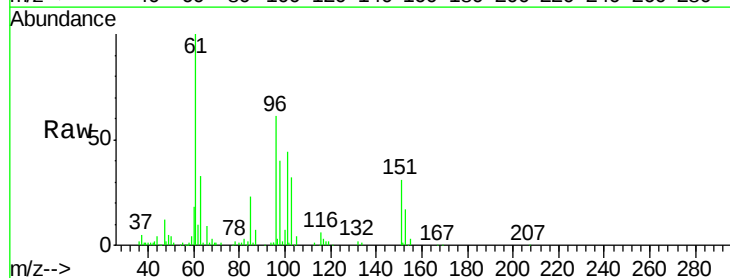
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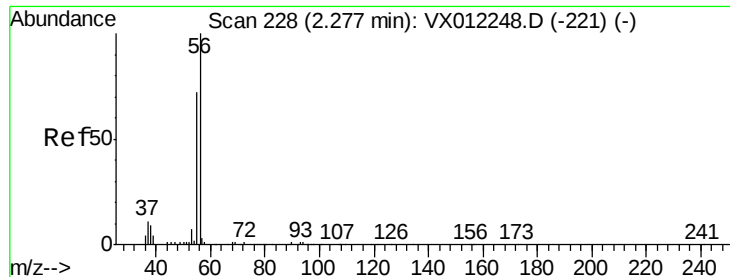
MMDadoda
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#12
1,1-Dichloroethene
Concen: 21.042 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.00 min
Lab File: VX012344.D
Acq: 12 Sep 2019 12:41

Tgt Ion: 96 Resp: 22459
Ion Ratio Lower Upper
96 100
61 164.3 142.2 213.2
98 65.3 51.3 76.9





#13

Acrolein

Concen: 89.316 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.00 min

Lab File: VX012344.D

Acq: 12 Sep 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS01

Tot Ion: 56 Resp: 9311

Ion Ratio Lower Upper

56 100

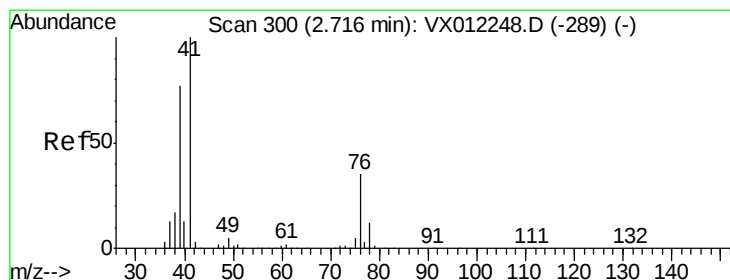
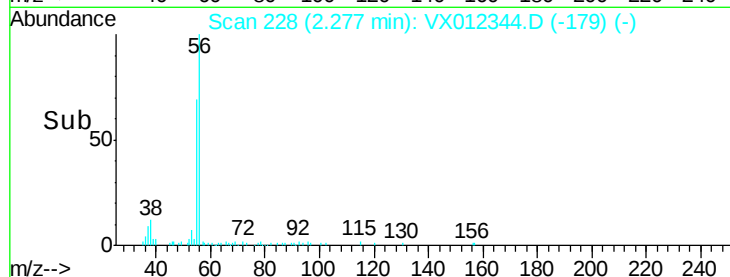
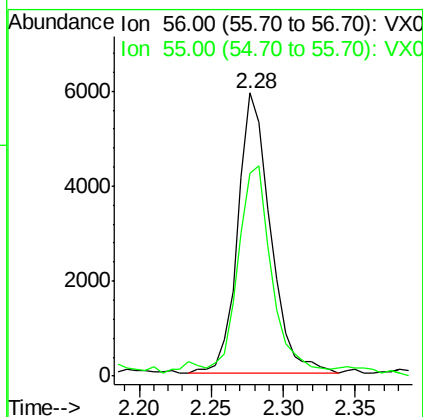
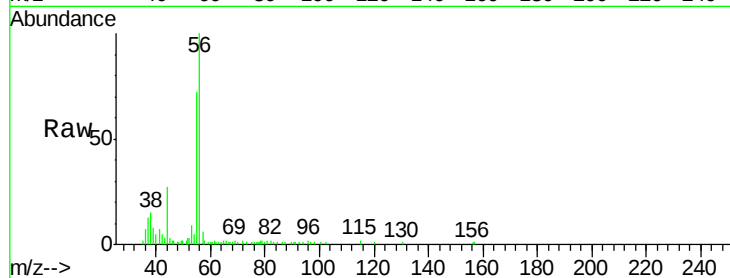
55 71.2 59.8 89.6

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#14

Allyl chloride

Concen: 19.137 ug/l

RT: 2.71 min Scan# 299

Delta R.T. -0.01 min

Lab File: VX012344.D

Acq: 12 Sep 2019 12:41

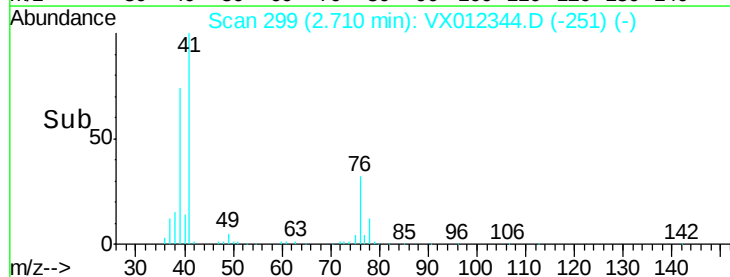
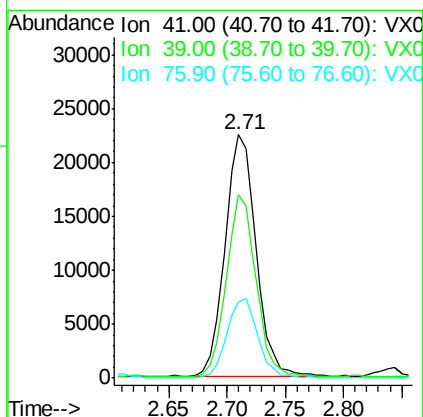
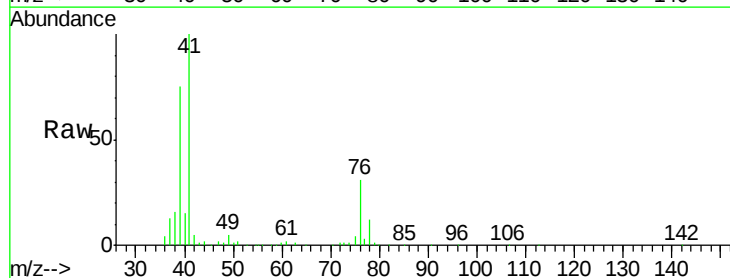
Tgt Ion: 41 Resp: 41643

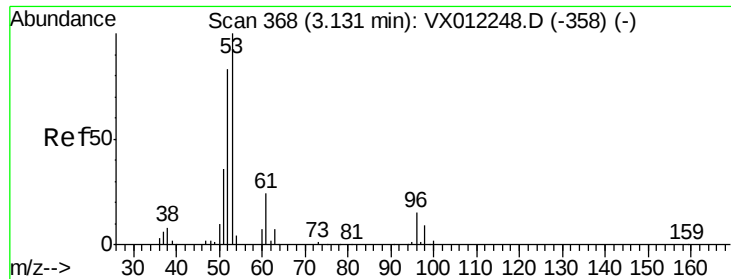
Ion Ratio Lower Upper

41 100

39 72.0 58.6 87.8

76 33.3 26.3 39.5





#15

Acrylonitrile

Concen: 104.728 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX012344.D

Acq: 12 Sep 2019 12:41

Instrument :

MSVOA_X

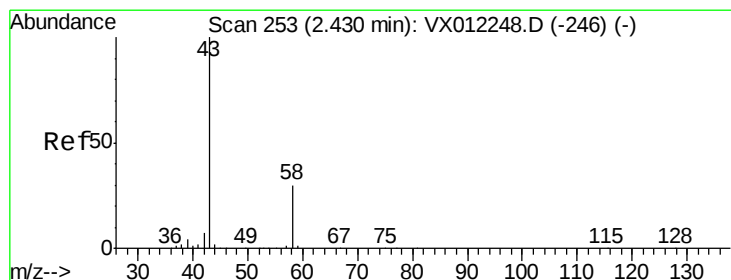
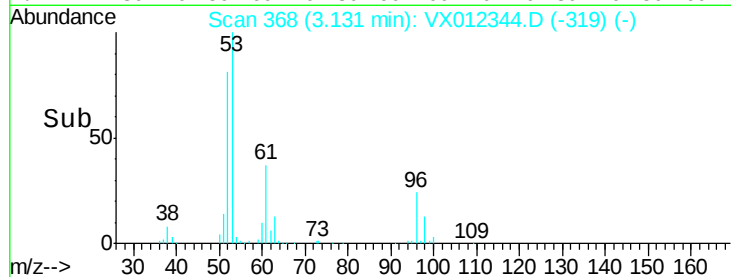
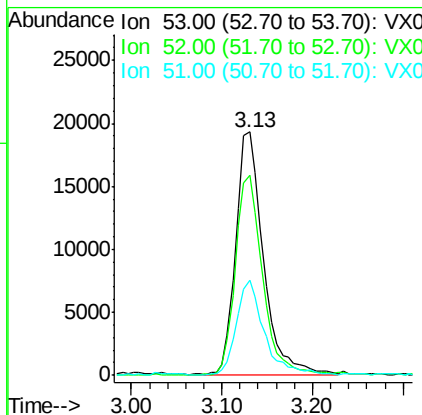
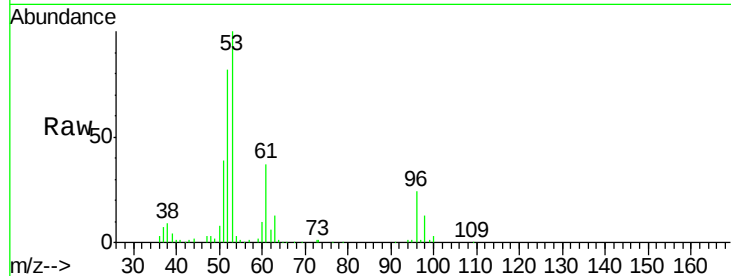
ClientSampleId :

VX0912SBS01

Tot Ion:	53	Resp:	41208
Ion	Ratio	Lower	Upper
53	100		
52	80.8	66.8	100.2
51	39.6	30.7	46.1

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#16

Acetone

Concen: 91.041 ug/l

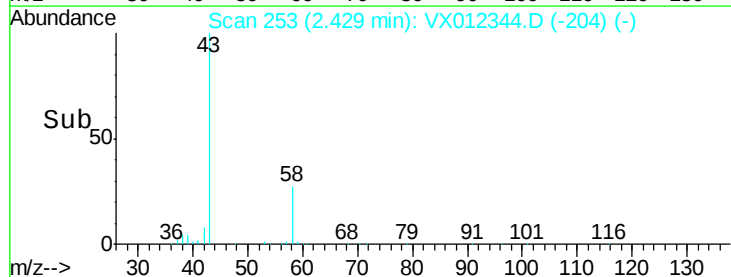
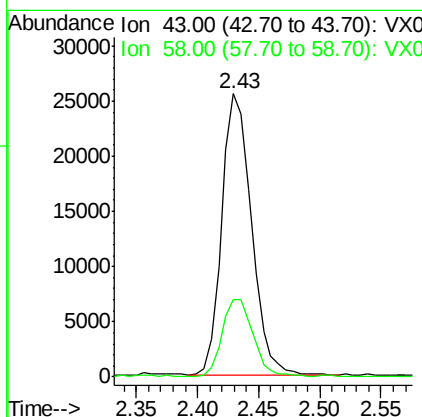
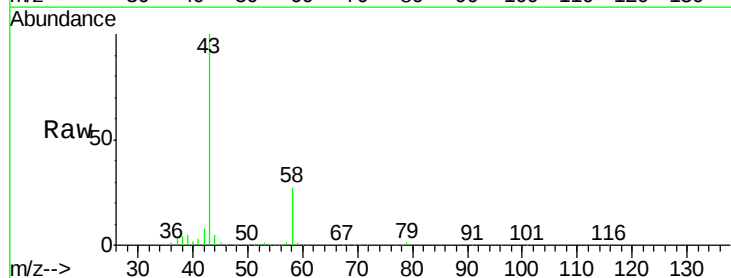
RT: 2.43 min Scan# 253

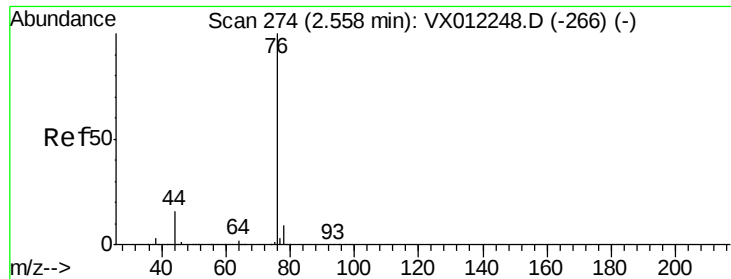
Delta R.T. -0.00 min

Lab File: VX012344.D

Acq: 12 Sep 2019 12:41

Tgt Ion:	43	Resp:	42980
Ion	Ratio	Lower	Upper
43	100		
58	27.3	23.6	35.4





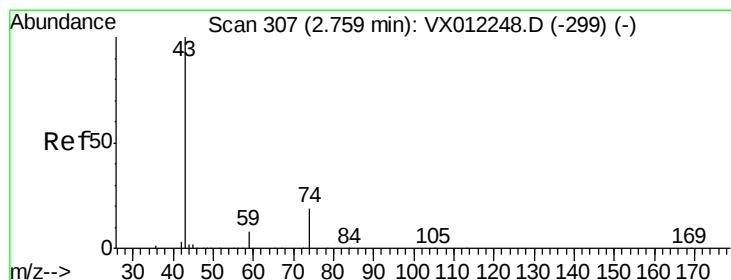
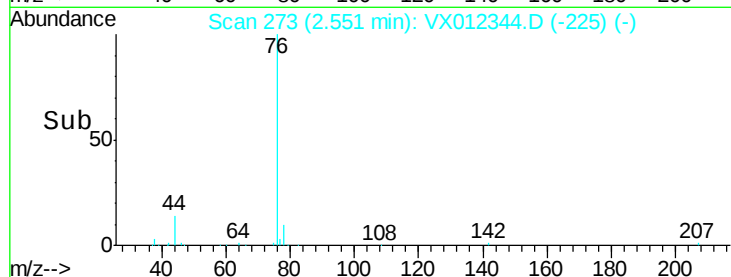
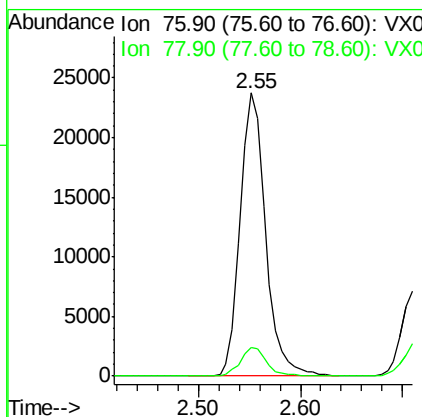
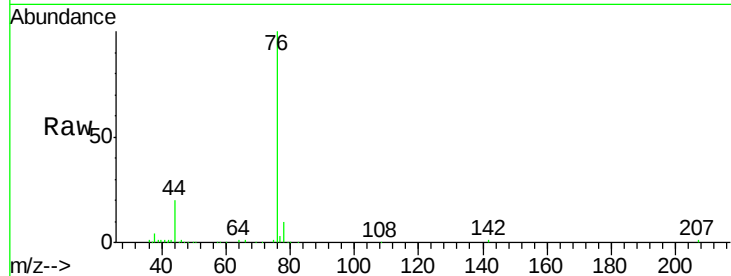
#17
Carbon Disulfide
Concen: 18.352 ug/l
RT: 2.55 min Scan# 273
Delta R.T. -0.01 min
Lab File: VX012344.D
Acq: 12 Sep 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.3	7.4	11.2

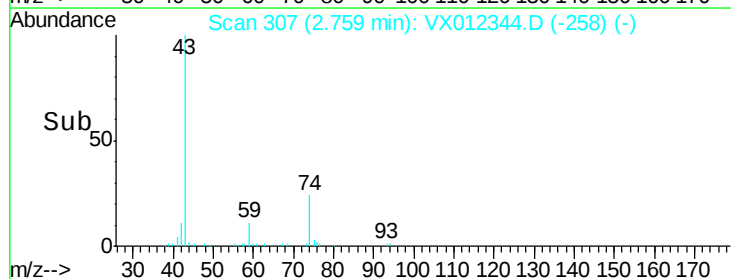
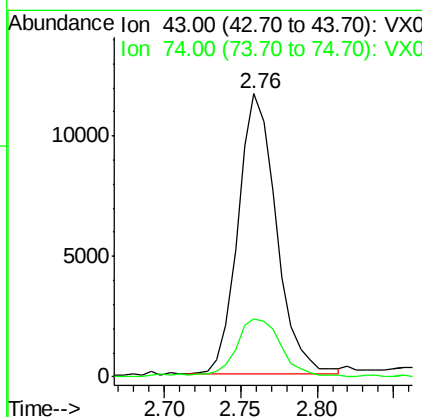
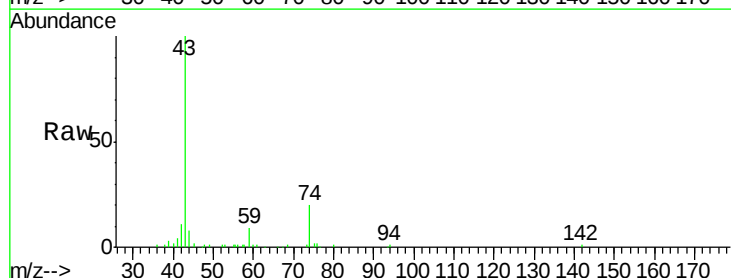
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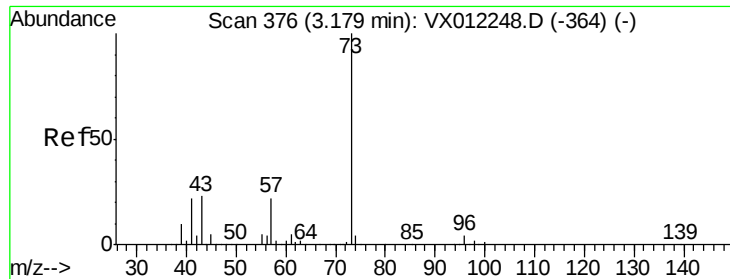
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#18
Methyl Acetate
Concen: 20.442 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.00 min
Lab File: VX012344.D
Acq: 12 Sep 2019 12:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	18.3	27.5





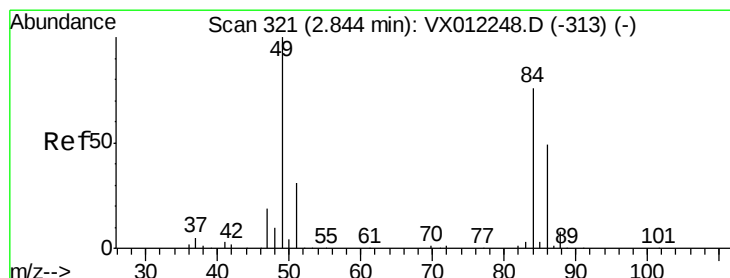
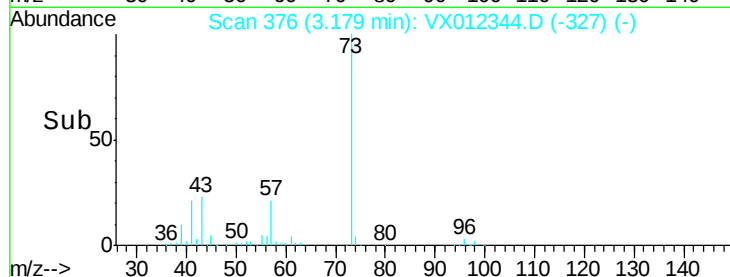
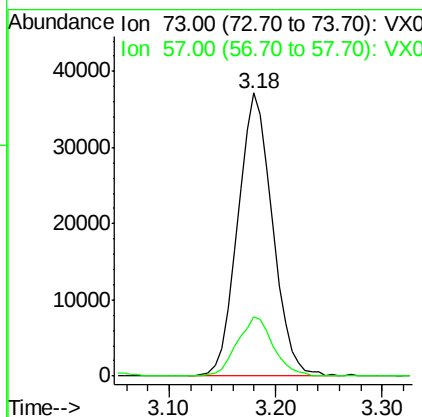
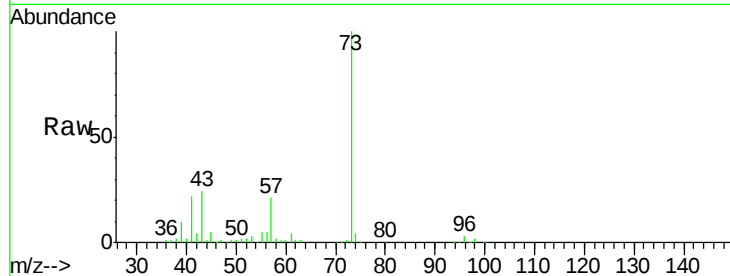
#19
Methvl tert-butvl Ether
Concen: 20.202 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX012344.D
Acq: 12 Sep 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS01

Tot Ion: 73 Resp: 85152
Ion Ratio Lower Upper
73 100
57 21.0 17.7 26.5

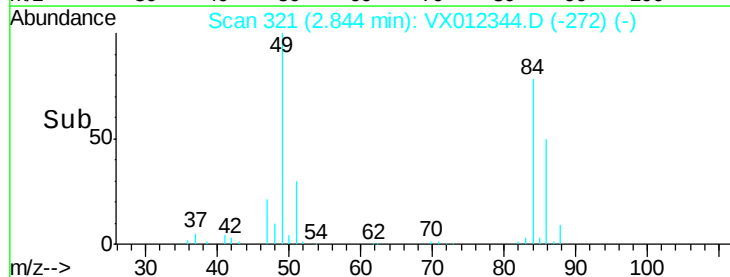
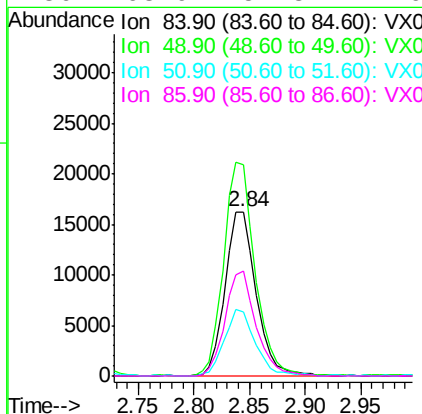
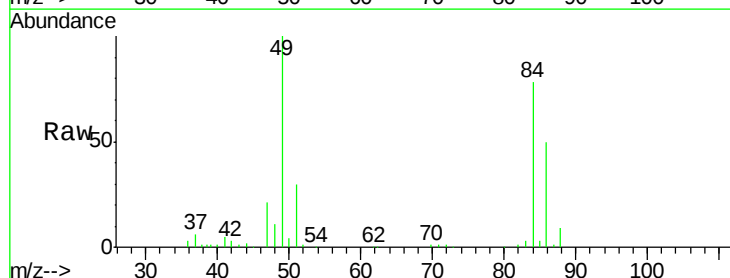
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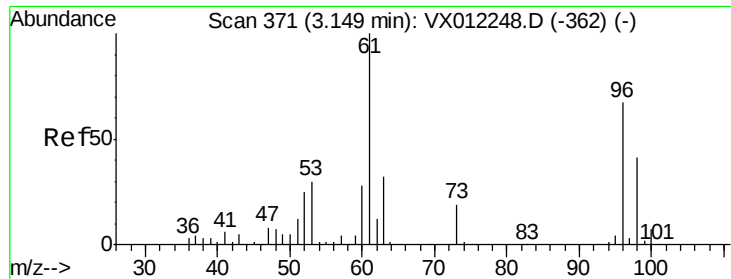
MMDadoda
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#20
Methylene Chloride
Concen: 19.732 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012344.D
Acq: 12 Sep 2019 12:41

Tgt Ion: 84 Resp: 31412
Ion Ratio Lower Upper
84 100
49 128.4 105.0 157.6
51 38.8 32.6 48.8
86 63.9 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 20.140 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX012344.D

Acq: 12 Sep 2019 12:41

Instrument :

MSVOA_X

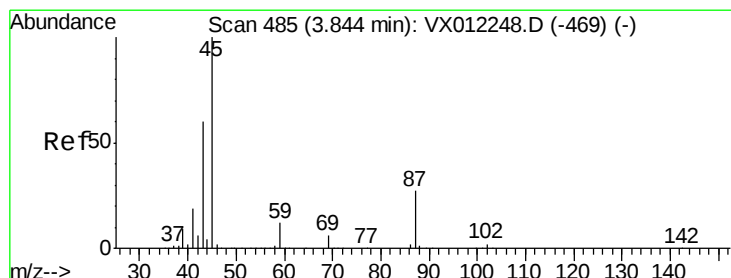
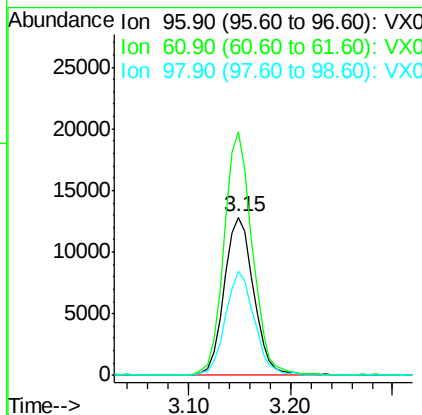
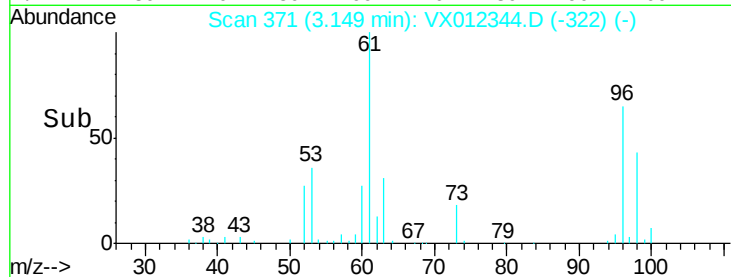
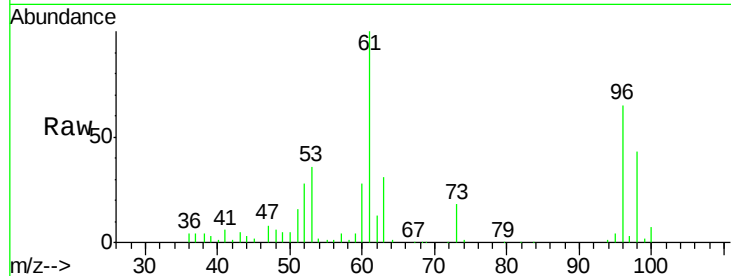
ClientSampleId :

VX0912SBS01

Tot Ion:	96	Resp:	25647
Ion	Ratio	Lower	Upper
96	100		
61	153.8	119.4	179.2
98	65.4	48.4	72.6

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#22

Diisopropyl ether

Concen: 19.697 ug/l

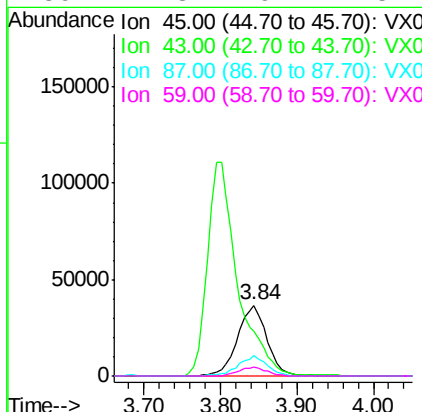
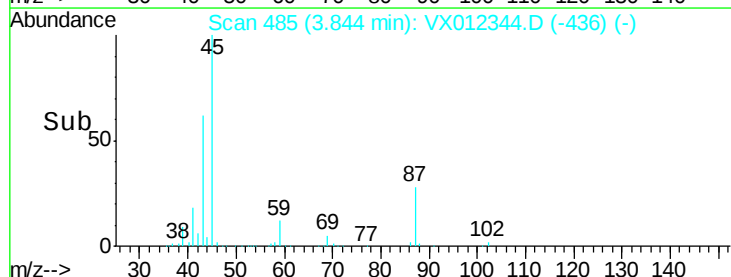
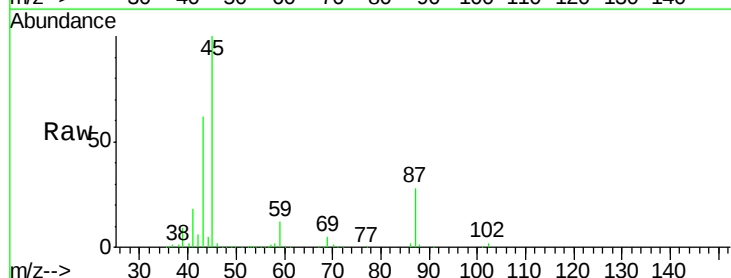
RT: 3.84 min Scan# 485

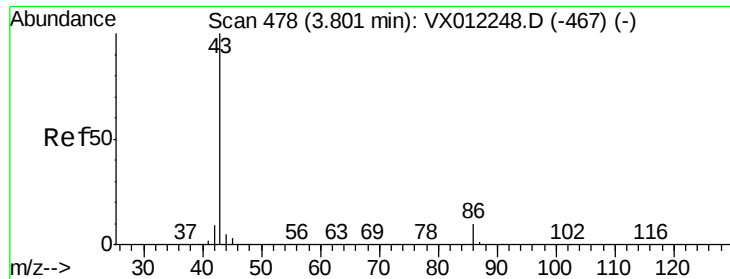
Delta R.T. -0.00 min

Lab File: VX012344.D

Acq: 12 Sep 2019 12:41

Tgt Ion:	45	Resp:	98024
Ion	Ratio	Lower	Upper
45	100		
43	61.5	48.3	72.5
87	27.8	21.8	32.8
59	12.3	9.1	13.7





#23

Vinyl Acetate

Concen: 99.298 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX012344.D

Acq: 12 Sep 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBSD01

Tot Ion: 43 Resp: 303197

Ion Ratio Lower Upper

43 100

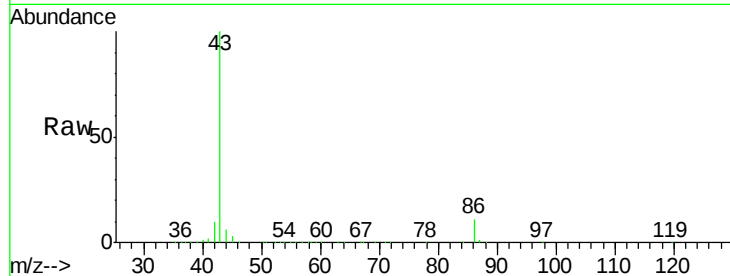
86 10.6 8.3 12.5

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.80

120000

100000

80000

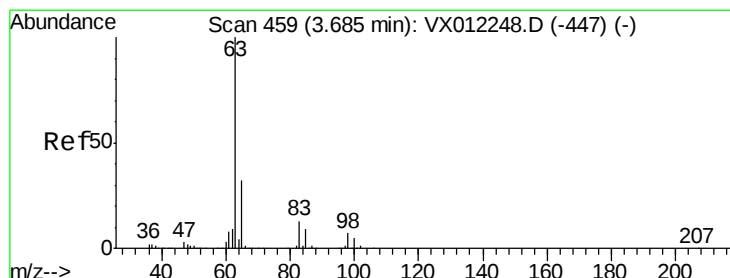
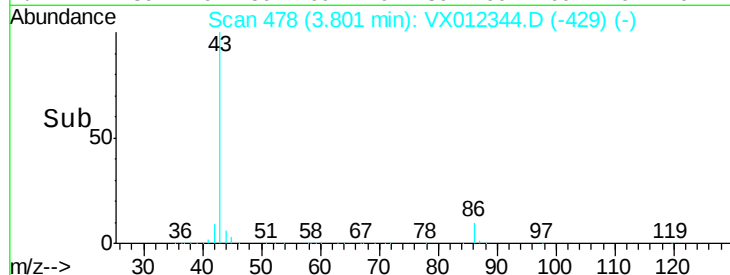
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.933 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX012344.D

Acq: 12 Sep 2019 12:41

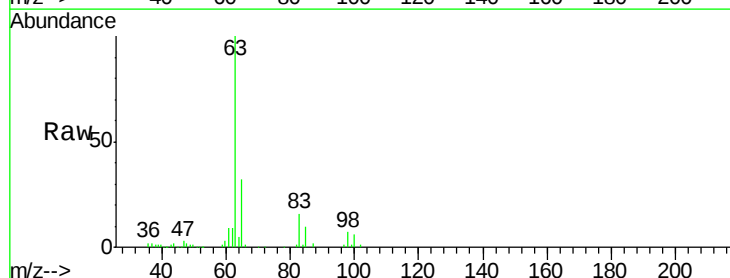
Tgt Ion: 63 Resp: 53136

Ion Ratio Lower Upper

63 100

98 7.4 3.4 10.1

100 5.5 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.68

30000

25000

20000

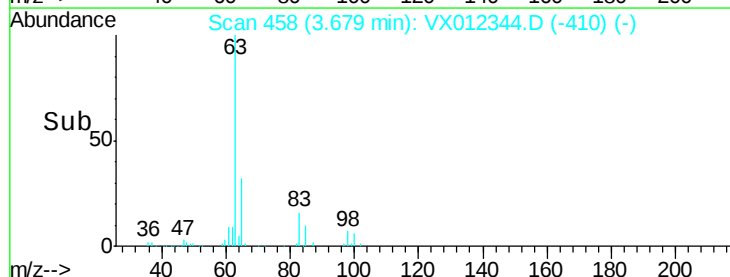
15000

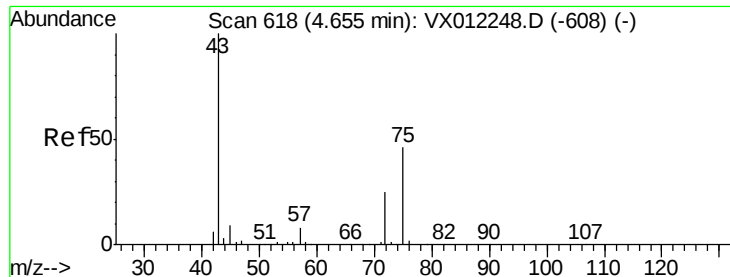
10000

5000

0

Time-->





#25

2-Butanone

Concen: 99.923 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX012344.D

Acq: 12 Sep 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS01

Tot Ion: 43 Resp: 60304

Ion Ratio Lower Upper

43 100

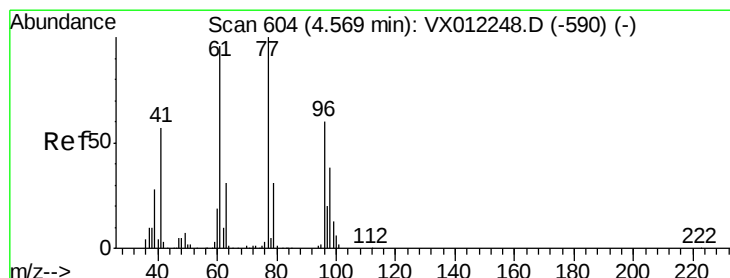
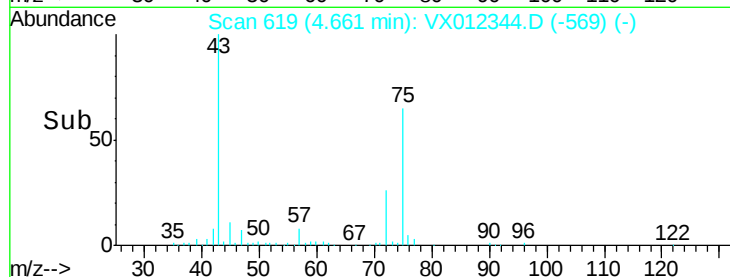
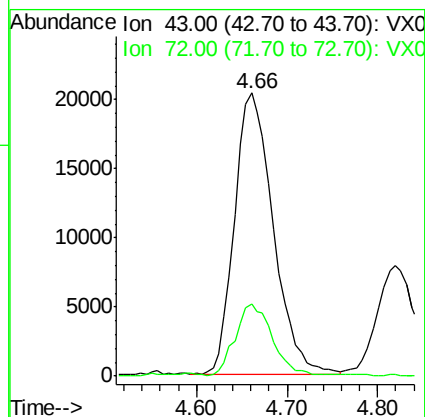
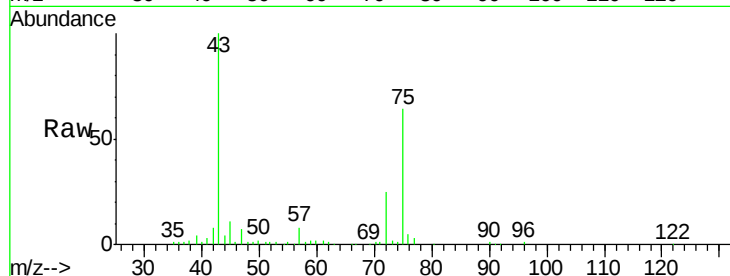
72 25.0 20.2 30.2

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 18.706 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX012344.D

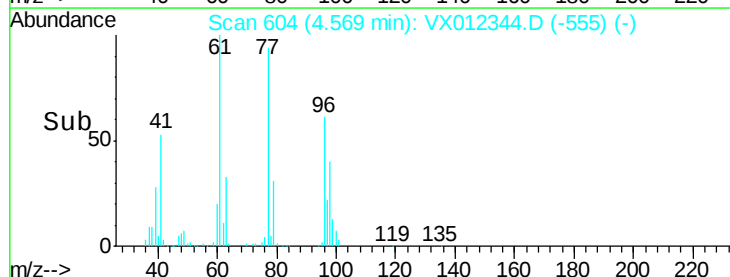
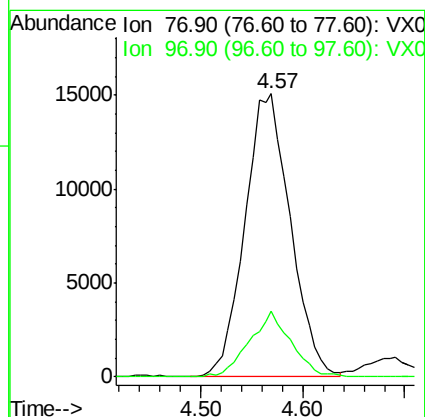
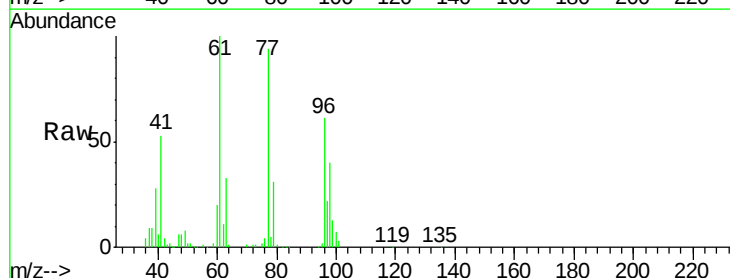
Acq: 12 Sep 2019 12:41

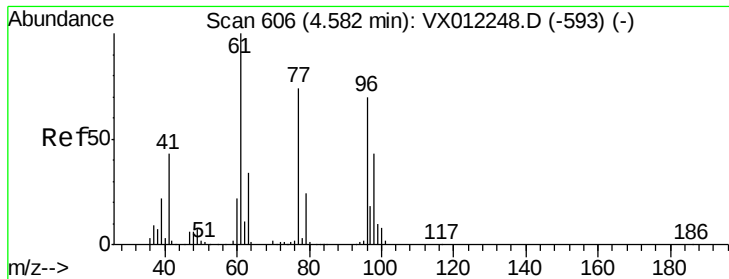
Tgt Ion: 77 Resp: 46815

Ion Ratio Lower Upper

77 100

97 21.2 10.7 32.1





#27

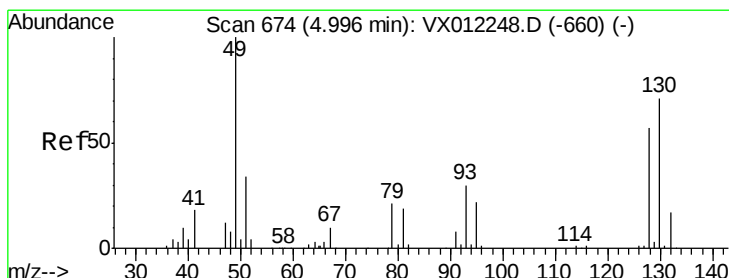
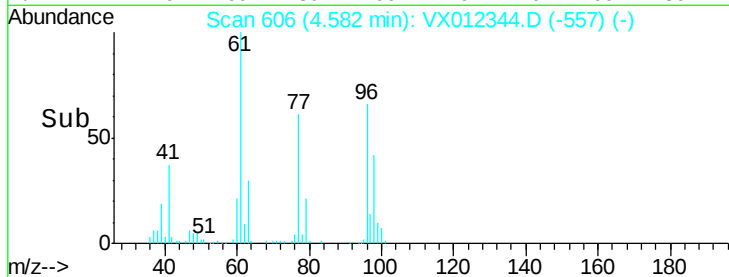
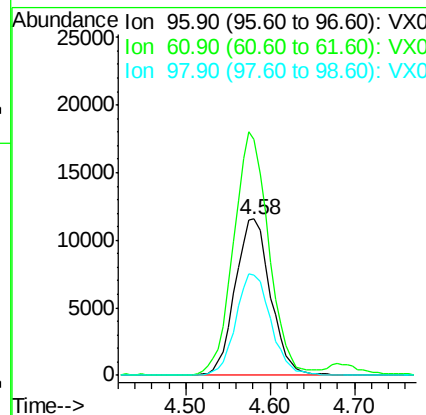
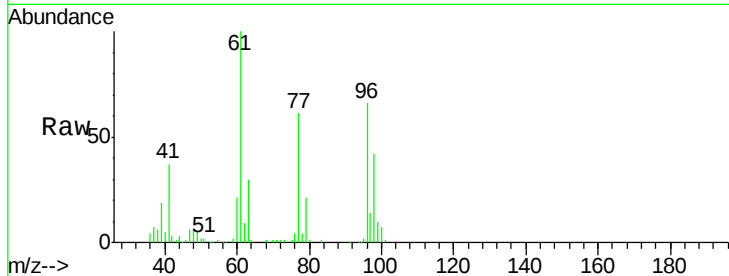
cis-1,2-Dichloroethene
Concen: 20.001 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX012344.D
Acq: 12 Sep 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	155.1	0.0	310.4	
98	63.9	0.0	128.8	

Manual Integrations
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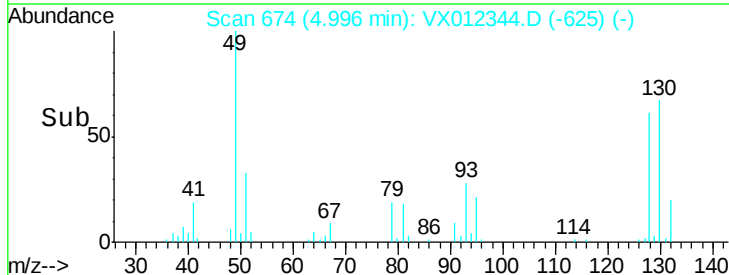
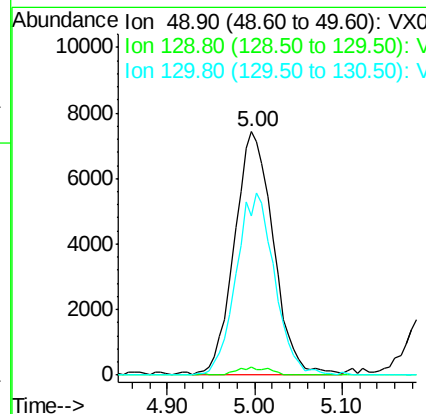
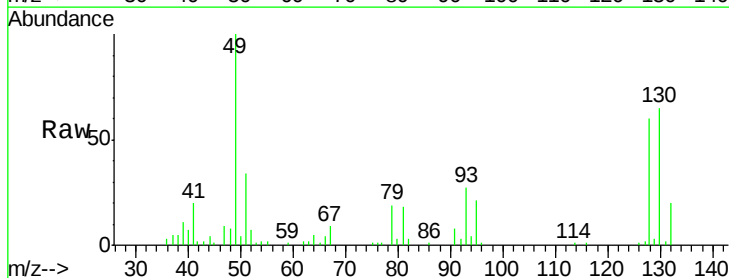
MMDadoda
9/13/2019 10:12:03 AM

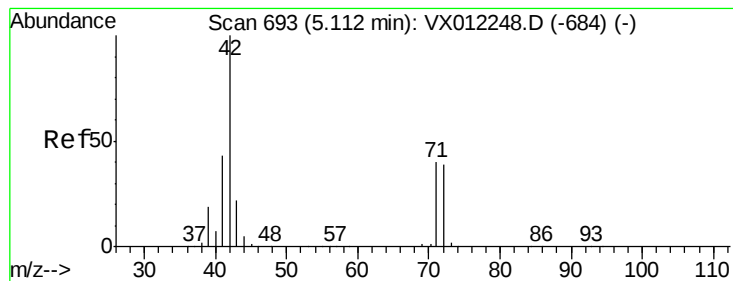


#28

Bromochloromethane
Concen: 18.374 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.00 min
Lab File: VX012344.D
Acq: 12 Sep 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.5	0.0	5.2	
130	73.6	60.1	90.1	





#29

Tetrahydrofuran

Concen: 109.214 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.01 min

Lab File: VX012344.D

Acq: 12 Sep 2019 12:41

Instrument :

MSVOA_X

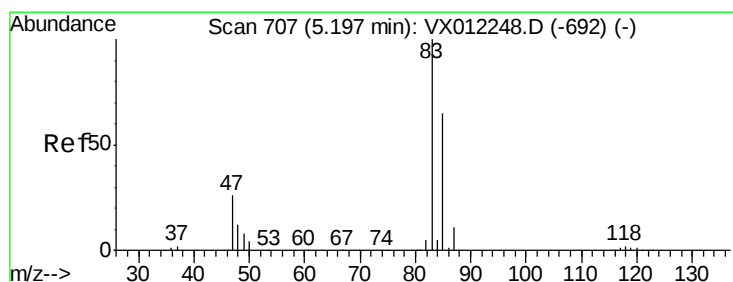
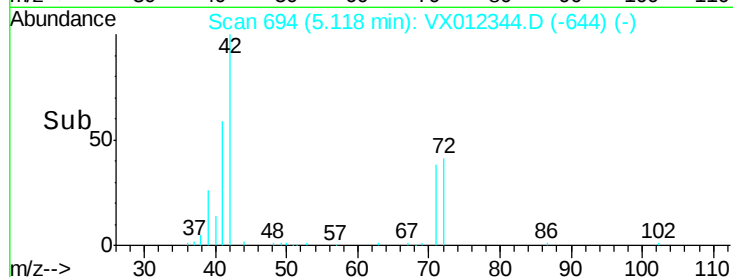
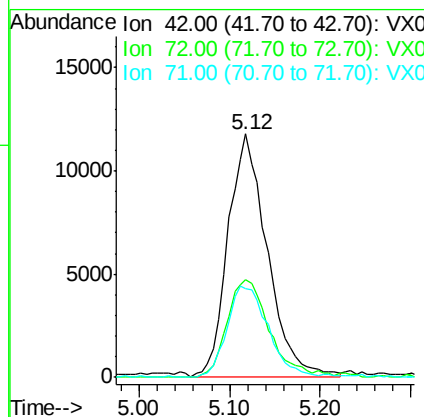
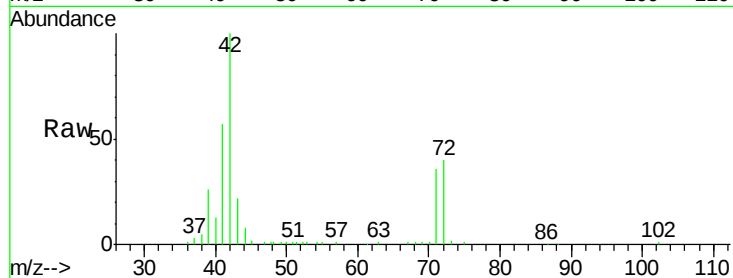
ClientSampleId :

VX0912SBS01

Tot Ion:	42	Resp:	35562
Ion Ratio	Lower	Upper	
42	100		
72	43.1	35.2	52.8
71	38.9	32.5	48.7

Manual Integrations
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#30

Chloroform

Concen: 19.616 ug/l

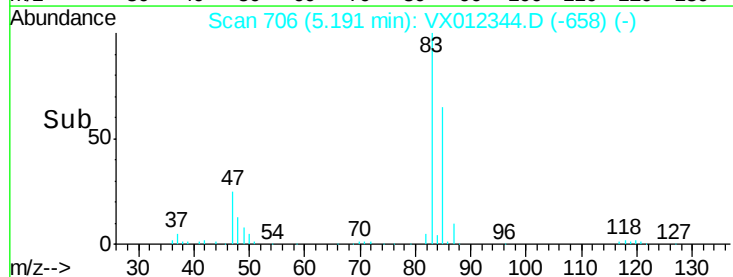
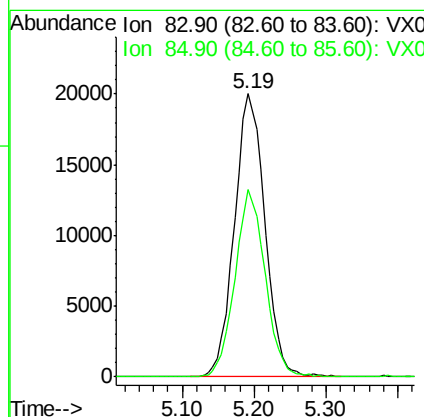
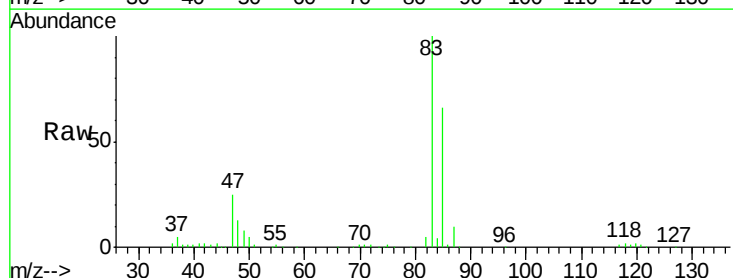
RT: 5.19 min Scan# 706

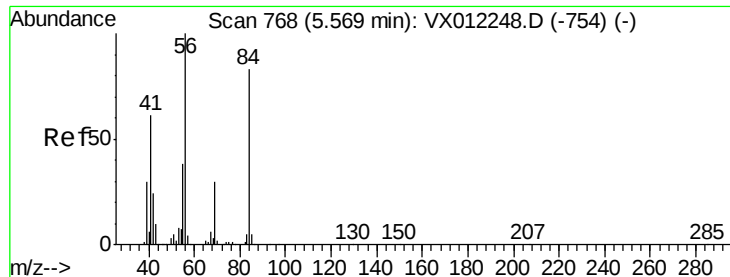
Delta R.T. -0.01 min

Lab File: VX012344.D

Acq: 12 Sep 2019 12:41

Tgt Ion:	83	Resp:	58966
Ion Ratio	Lower	Upper	
83	100		
85	66.3	52.3	78.5





#31

Cyclohexane

Concen: 19.966 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX012344.D

Acq: 12 Sep 2019 12:41

Instrument :

MSVOA_X

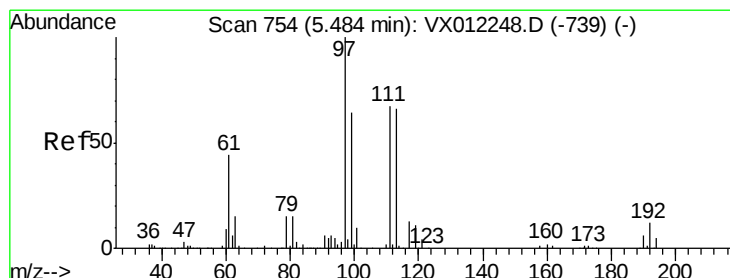
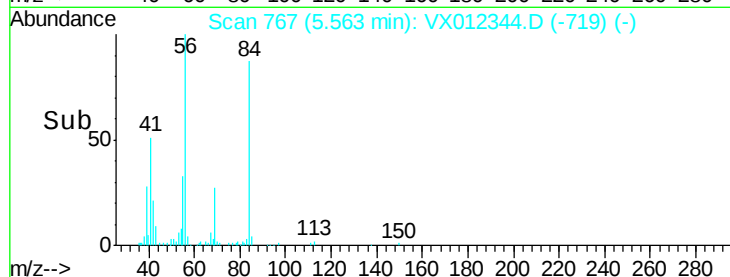
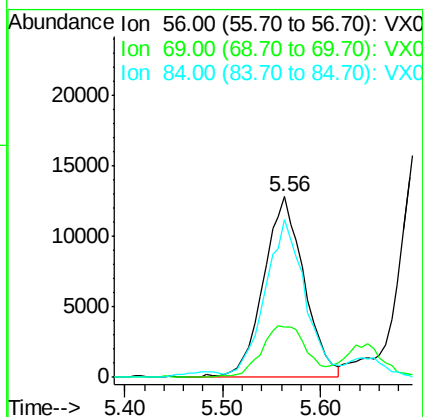
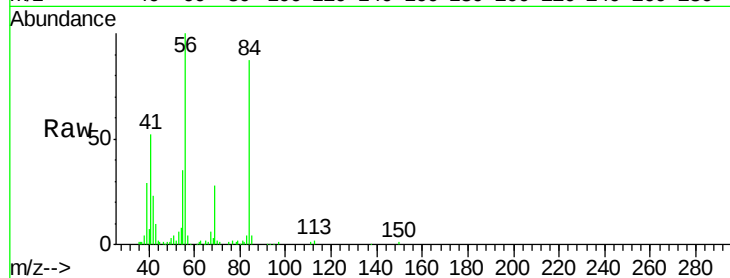
ClientSampleId :

VX0912SBS01

Tot Ion:	56	Resp:	36971
Ion	Ratio	Lower	Upper
56	100		
69	27.2	23.8	35.6
84	84.9	66.6	100.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.585 ug/l

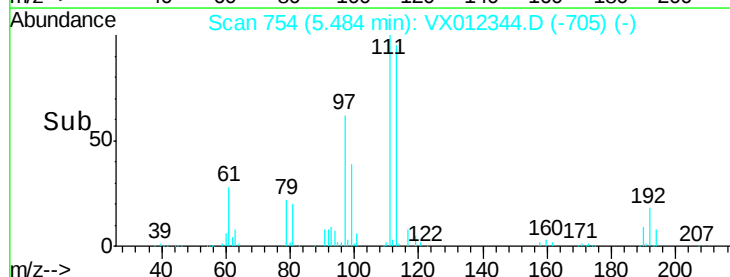
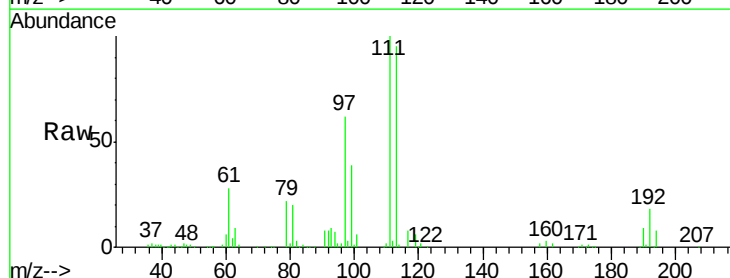
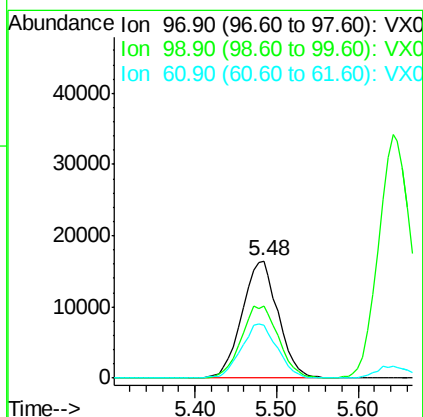
RT: 5.48 min Scan# 754

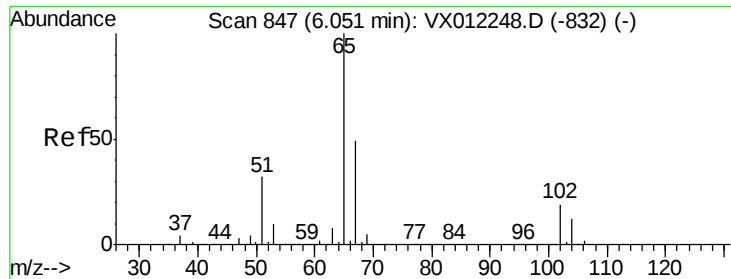
Delta R.T. -0.00 min

Lab File: VX012344.D

Acq: 12 Sep 2019 12:41

Tgt Ion:	97	Resp:	50552
Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.3	76.9
61	46.6	35.4	53.0





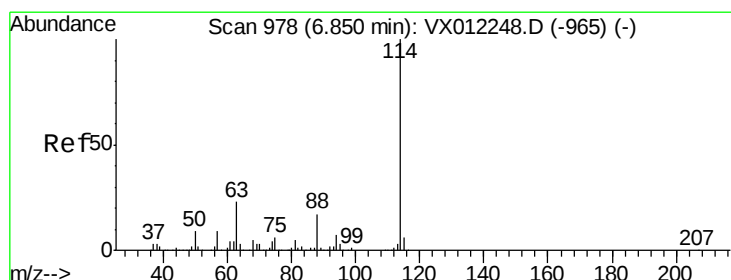
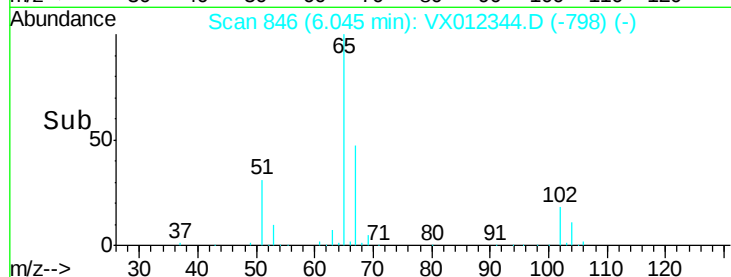
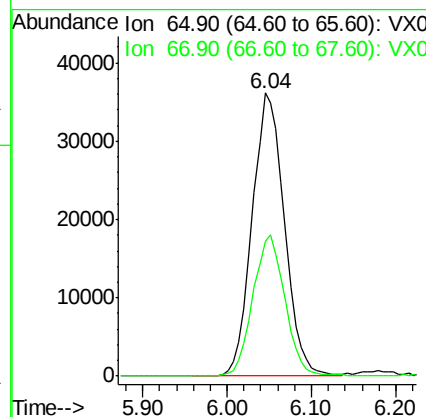
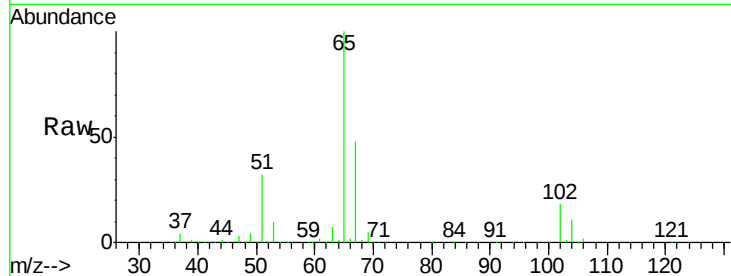
#33
 1,2-Dichloroethane-d4
 Concen: 47.079 ug/l
 RT: 6.04 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: VX012344.D
 Acq: 12 Sep 2019 12:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	93887		
67	49.5	0.0	99.8	

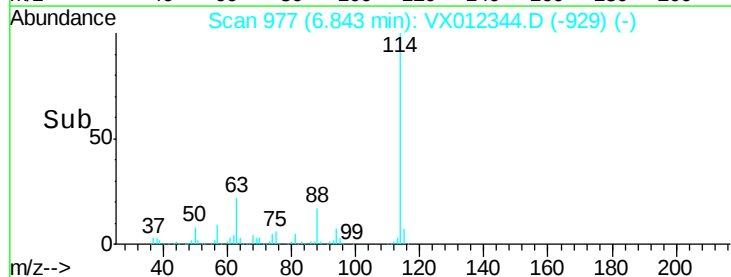
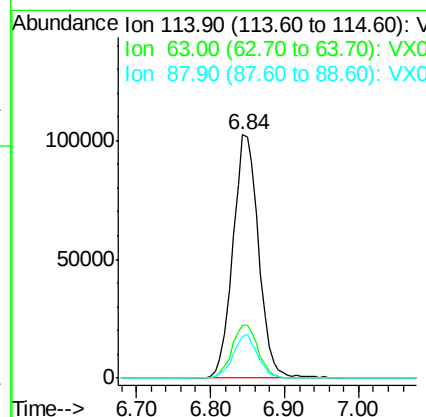
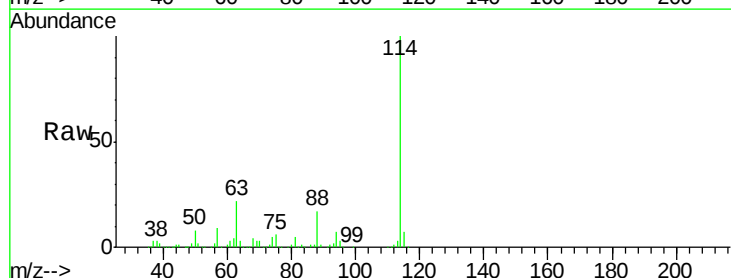
Manual Integrations
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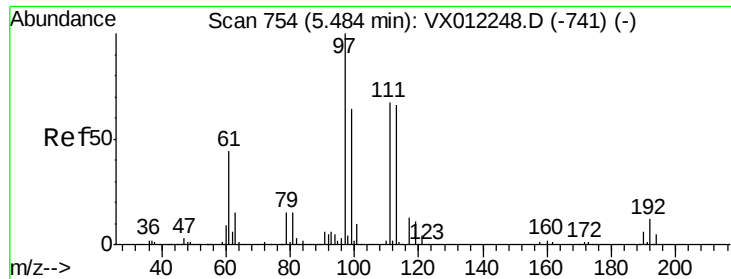
MMDadoda
 9/13/2019 10:12:03 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VX012344.D
 Acq: 12 Sep 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	246839		
63	21.8	0.0	45.2	
88	17.0	0.0	34.8	





#35

Dibromofluoromethane

Concen: 45.558 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012344.D

Acq: 12 Sep 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS01

Tot Ion:113 Resp: 72088

Ion Ratio Lower Upper

113 100

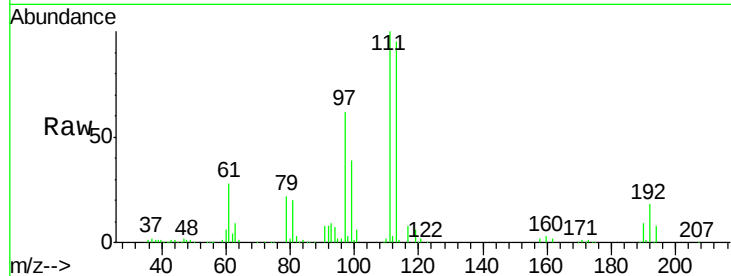
111 104.4 83.0 124.6

192 18.0 14.3 21.5

Manual Integrations
APPROVED

MMDadoda

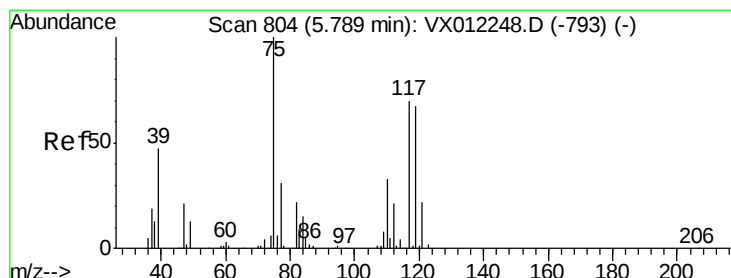
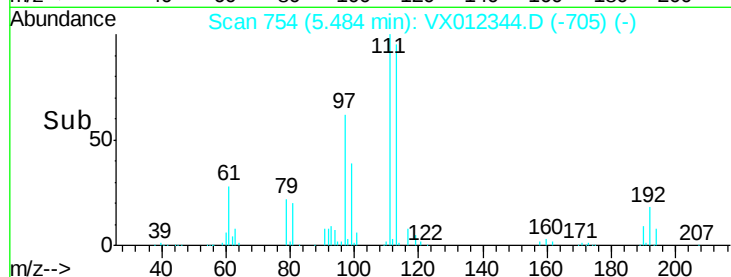
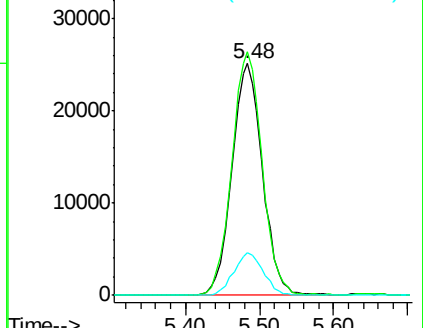
9/13/2019 10:12:03 AM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.359 ug/l

RT: 5.78 min Scan# 803

Delta R.T. -0.01 min

Lab File: VX012344.D

Acq: 12 Sep 2019 12:41

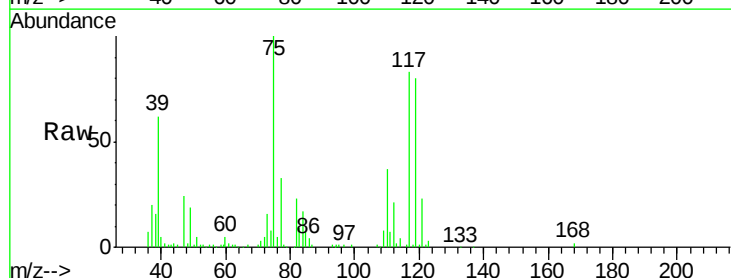
Tgt Ion: 75 Resp: 36644

Ion Ratio Lower Upper

75 100

110 36.4 16.8 50.4

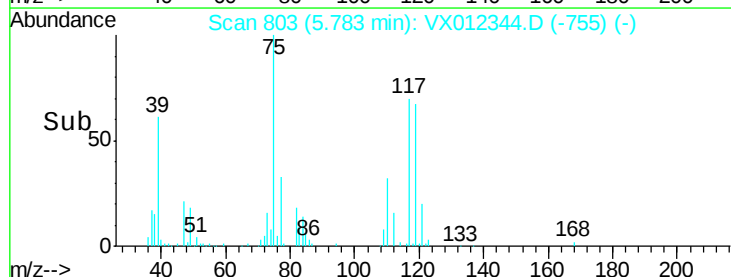
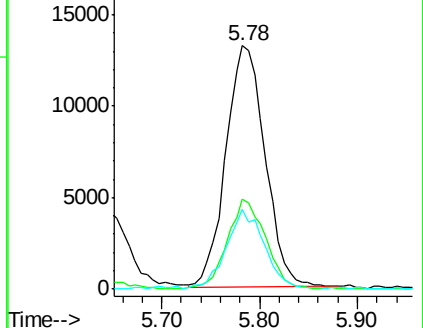
77 32.3 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





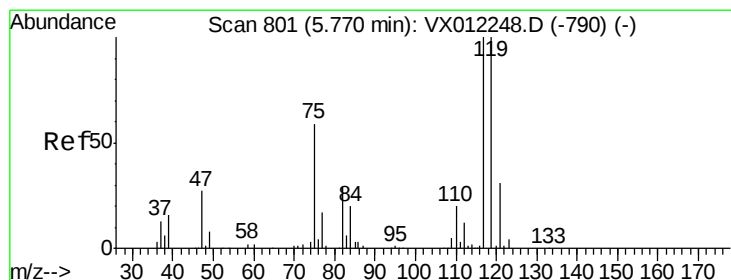
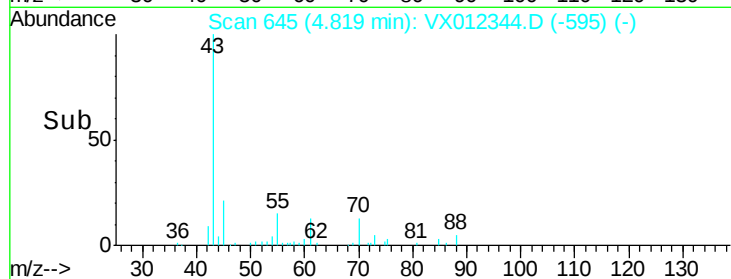
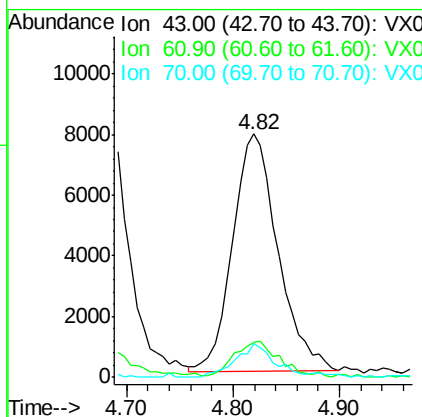
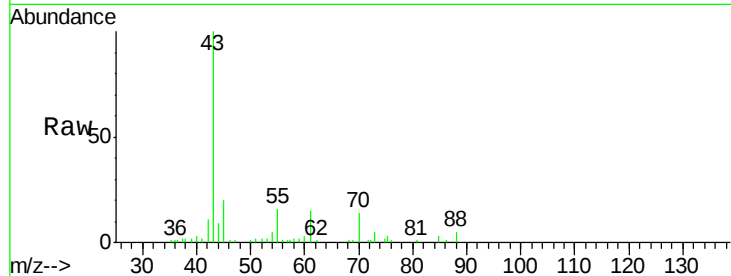
#37
Ethyl Acetate
Concen: 20.794 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.01 min
Lab File: VX012344.D
Acq: 12 Sep 2019 12:41

Instrument :
MSVOA_X
ClientSampleID :
VX0912SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	10.3	15.5
70	12.1	9.1	13.7

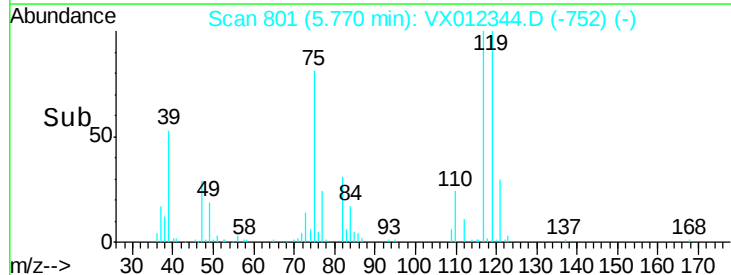
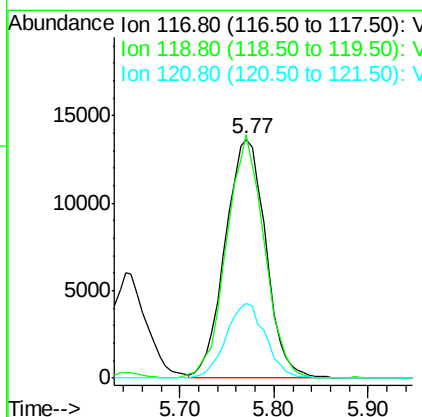
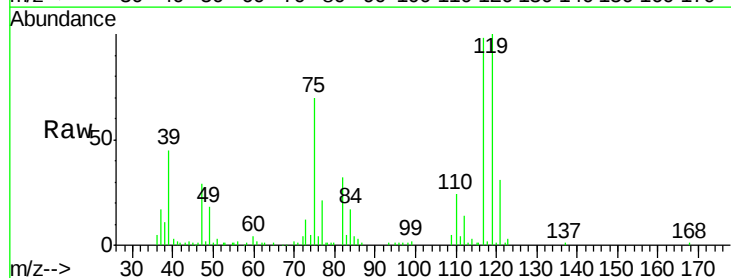
Manual Integrations
APPROVED

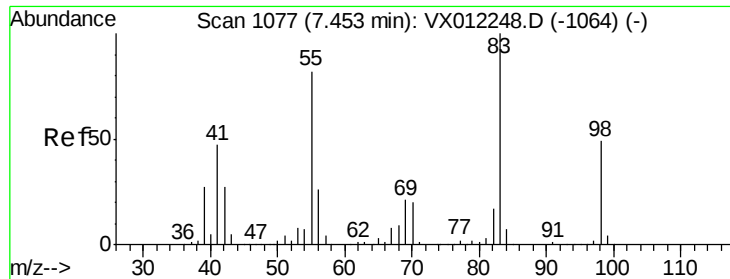
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.383 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX012344.D
Acq: 12 Sep 2019 12:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.9	79.6	119.4
121	31.4	24.7	37.1





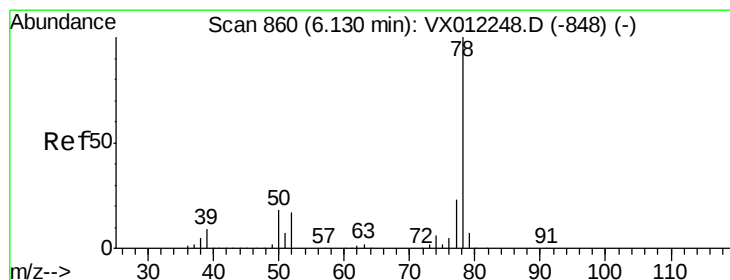
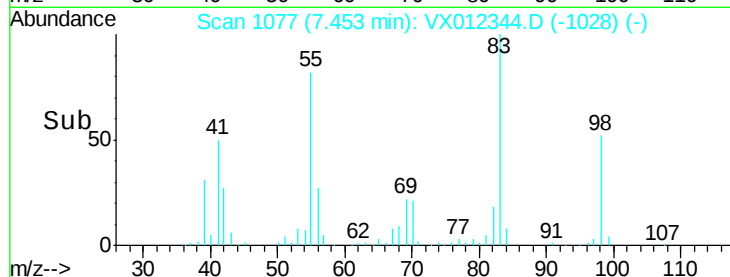
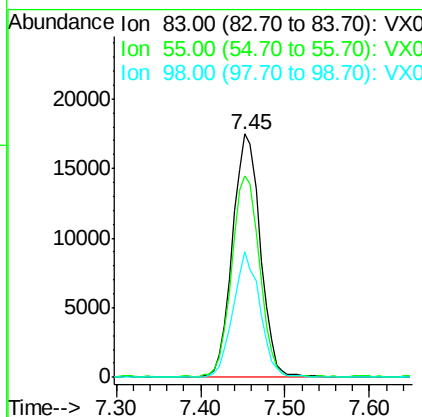
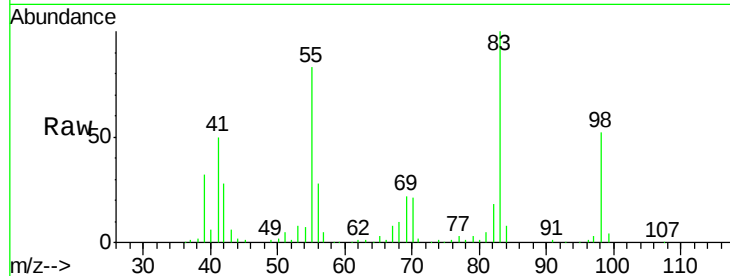
#39
Methylvlcvclohexane
Concen: 19.736 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX012344.D
Acq: 12 Sep 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.2	65.4	98.2
98	51.5	39.6	59.4

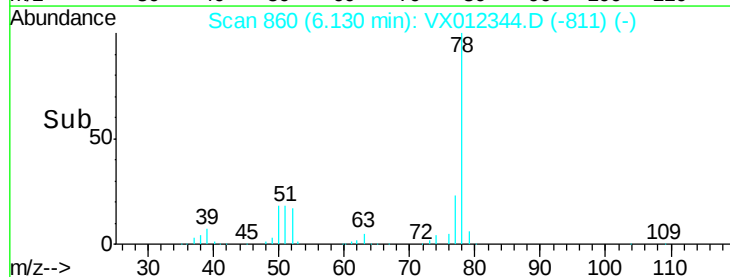
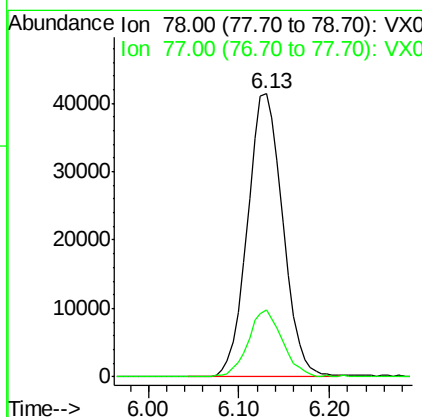
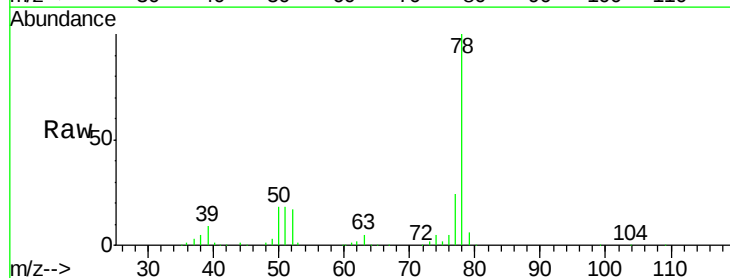
Manual Integrations
APPROVED

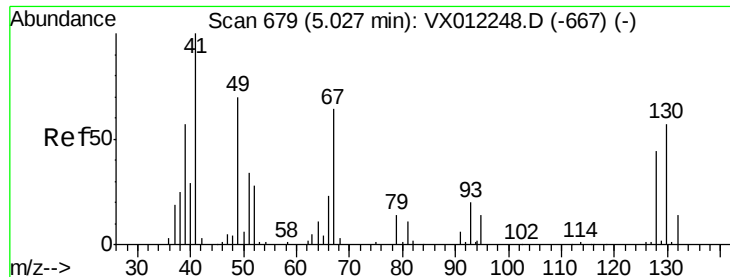
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#40
Benzene
Concen: 20.495 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012344.D
Acq: 12 Sep 2019 12:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.0	27.0





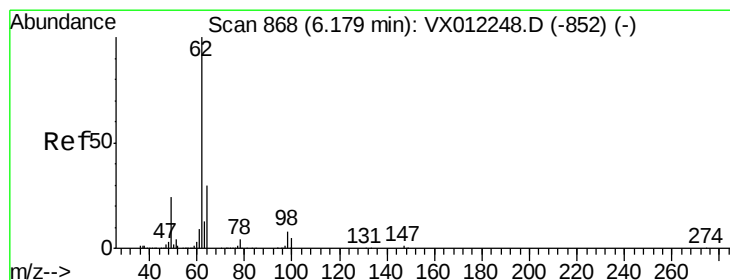
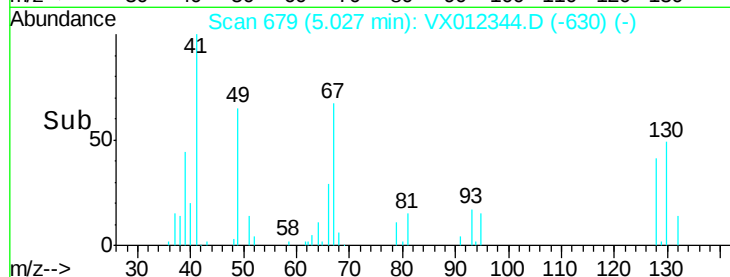
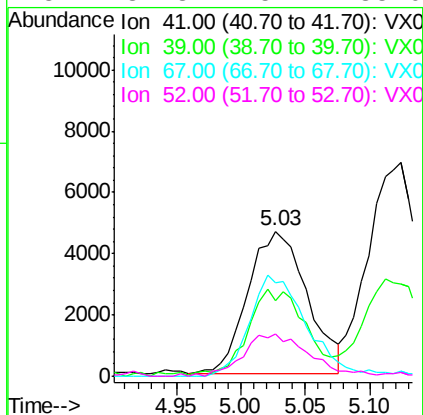
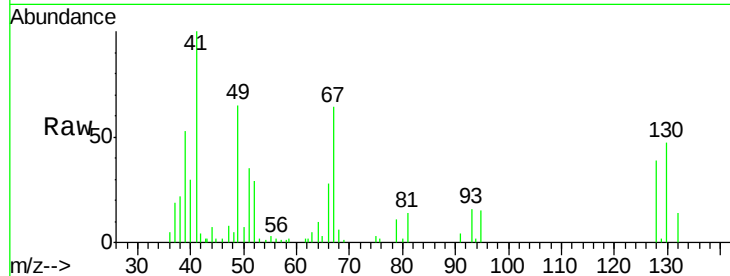
#41
Methacrylonitrile
Concen: 21.822 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.00 min
Lab File: VX012344.D
Acq: 12 Sep 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS01

Tot Ion:	41	Resp:	14968
Ion	Ratio	Lower	Upper
41	100		
39	56.8	49.0	73.4
67	66.2	55.0	82.4
52	32.3	25.4	38.0

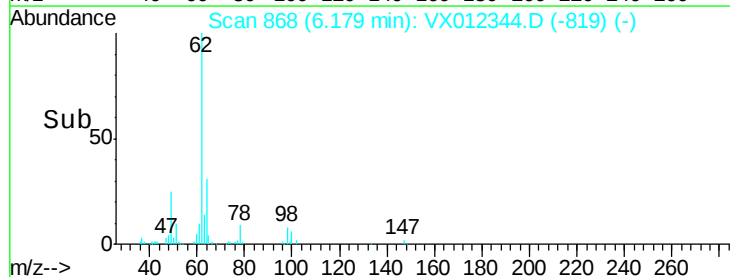
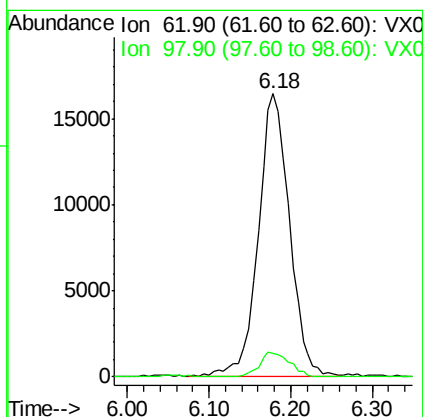
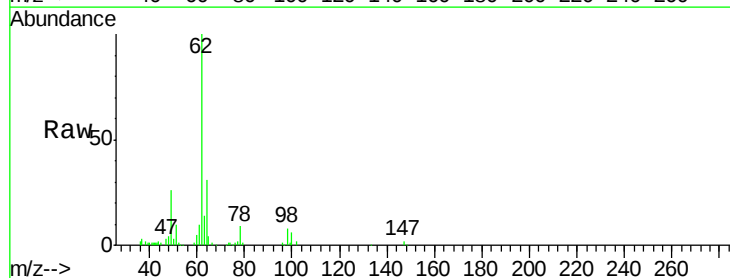
Manual Integrations
APPROVED

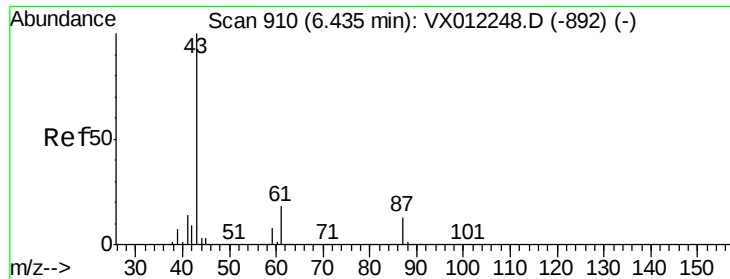
MMDadoda
9/13/2019 10:12:03 AM



#42
1,2-Dichloroethane
Concen: 20.419 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX012344.D
Acq: 12 Sep 2019 12:41

Tgt Ion:	62	Resp:	43962
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.2





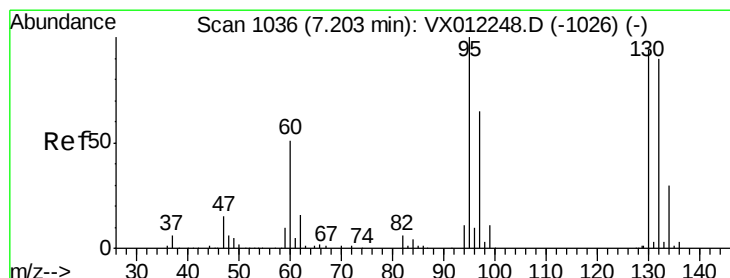
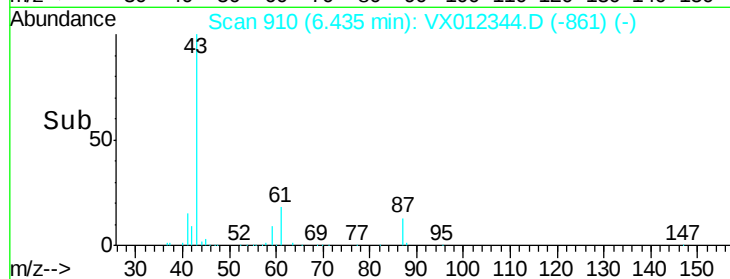
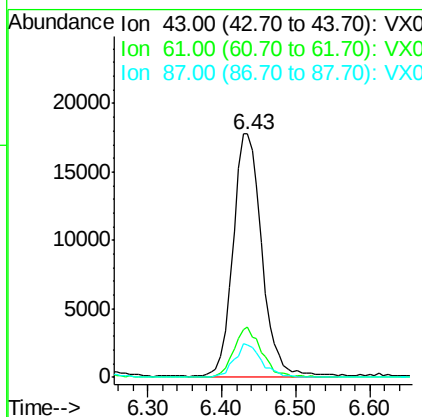
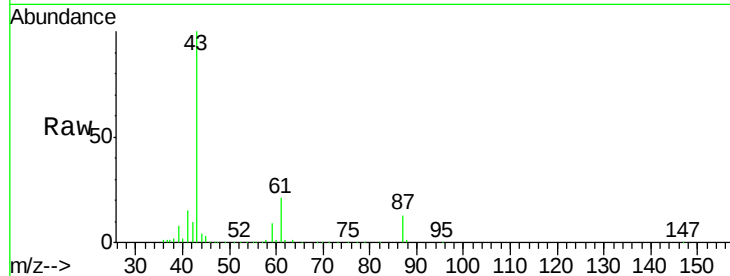
#43
Isopropyl Acetate
Concen: 20.783 ug/l
RT: 6.43 min Scan# 910
Delta R.T. -0.00 min
Lab File: VX012344.D
Acq: 12 Sep 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.4	23.2
87	12.8	10.5	15.7

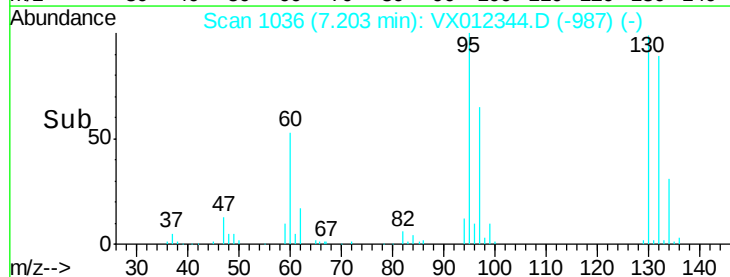
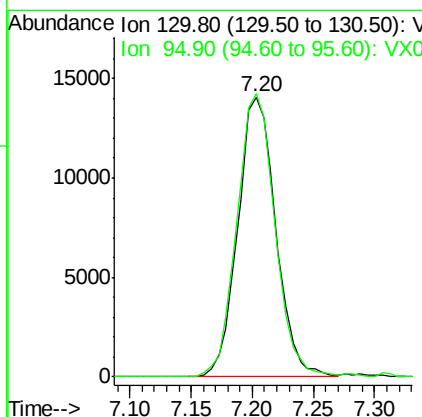
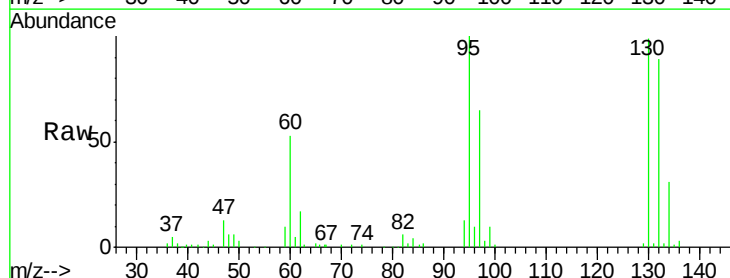
Manual Integrations
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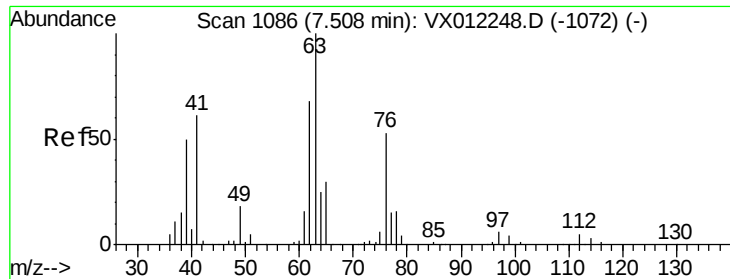
MMDadoda
9/13/2019 10:12:03 AM



#44
Trichloroethene
Concen: 20.605 ug/l
RT: 7.20 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VX012344.D
Acq: 12 Sep 2019 12:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	212.0





#45

1,2-Dichloropropane

Concen: 20.642 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX012344.D

Acq: 12 Sep 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS01

Tot Ion: 63 Resp: 31125

Ion Ratio Lower Upper

63 100

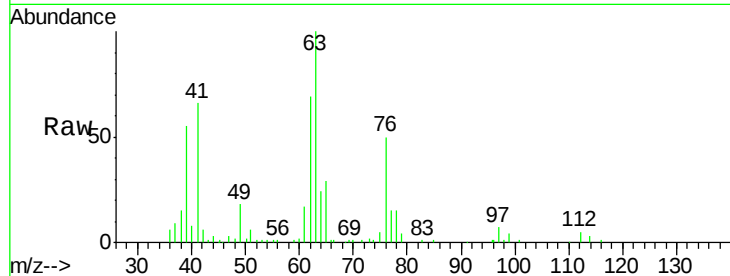
65 28.4 24.3 36.5

Manual Integrations

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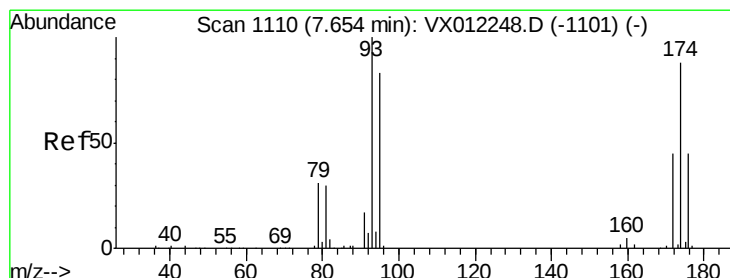
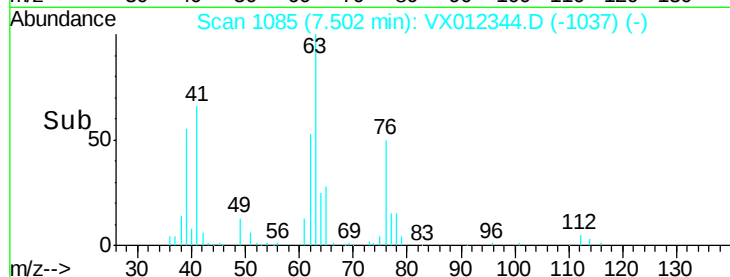
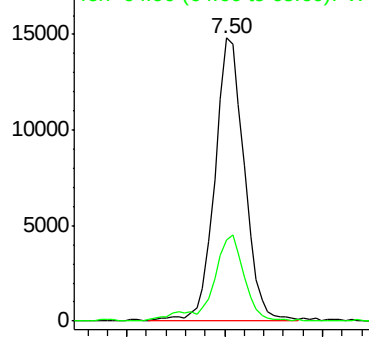
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 20.746 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX012344.D

Acq: 12 Sep 2019 12:41

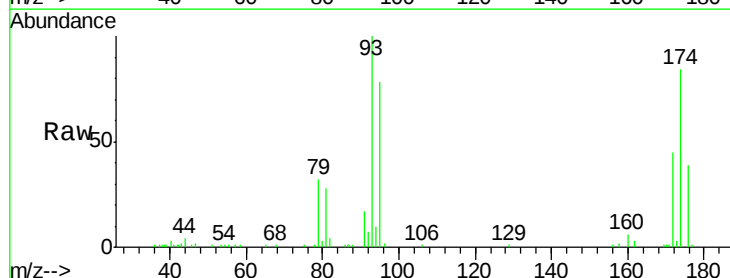
Tgt Ion: 93 Resp: 17097

Ion Ratio Lower Upper

93 100

95 83.5 65.7 98.5

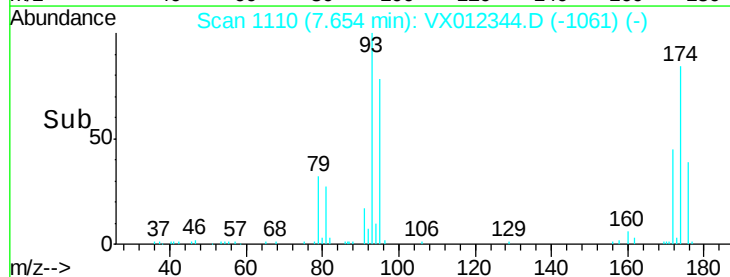
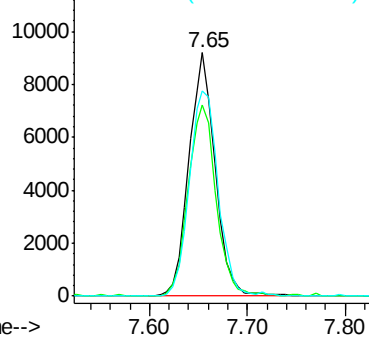
174 92.6 71.0 106.4

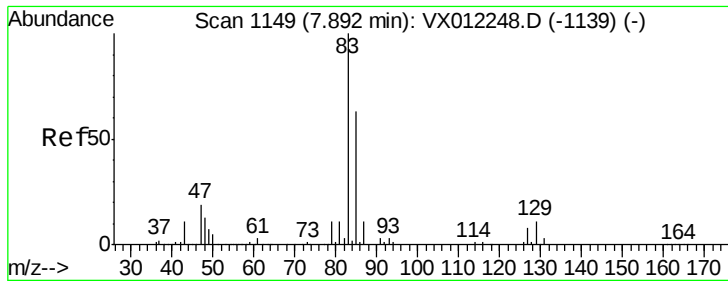


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.189 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX012344.D

Acq: 12 Sep 2019 12:41

Instrument :

MSVOA_X

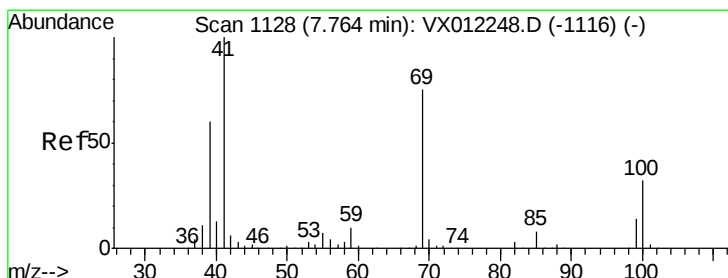
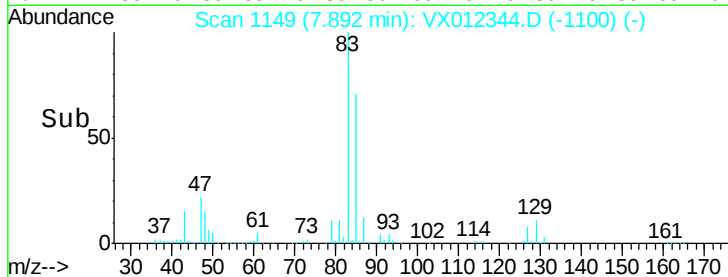
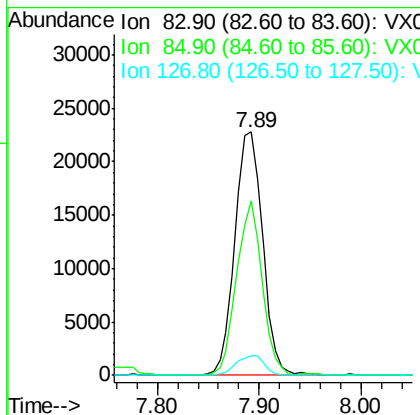
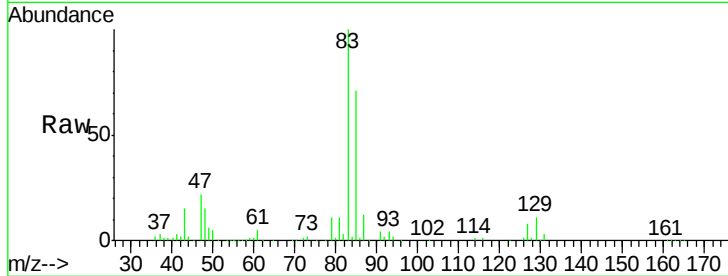
ClientSampleId :

VX0912SBS01

Tot Ion:	83	Resp:	43155
Ion	Ratio	Lower	Upper
83	100		
85	71.4	50.2	75.4
127	8.1	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.527 ug/l

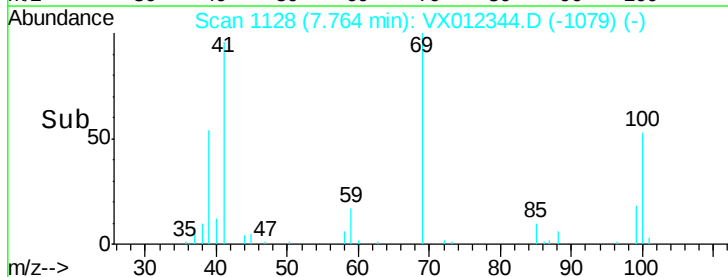
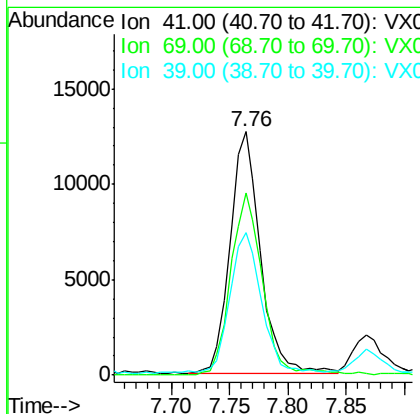
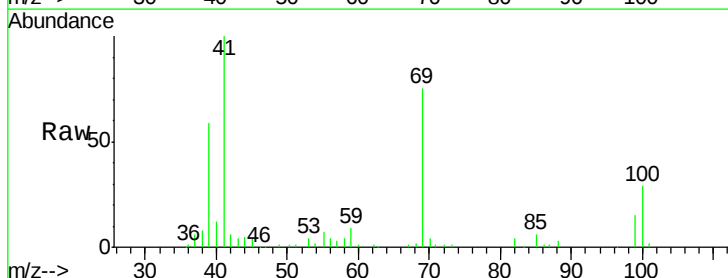
RT: 7.76 min Scan# 1128

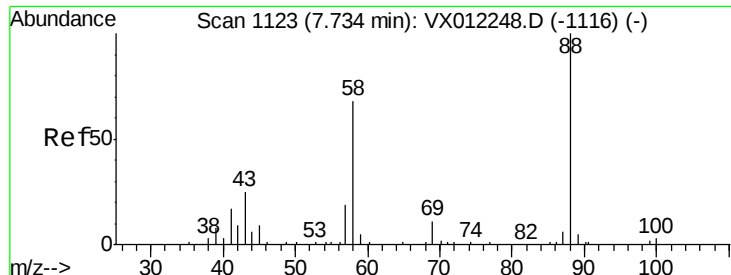
Delta R.T. -0.00 min

Lab File: VX012344.D

Acq: 12 Sep 2019 12:41

Tgt Ion:	41	Resp:	23048
Ion	Ratio	Lower	Upper
41	100		
69	79.0	61.8	92.6
39	61.0	48.6	73.0





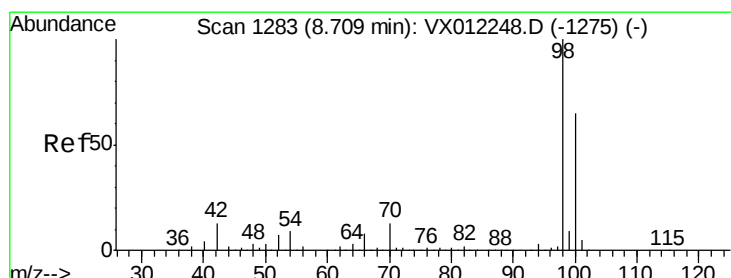
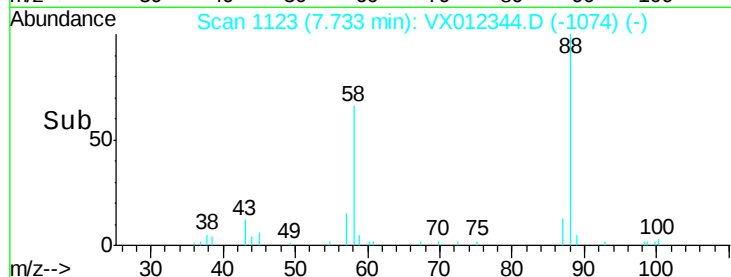
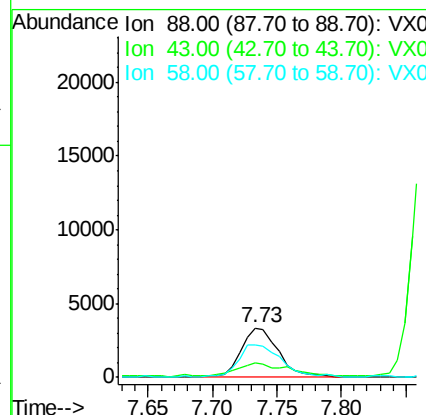
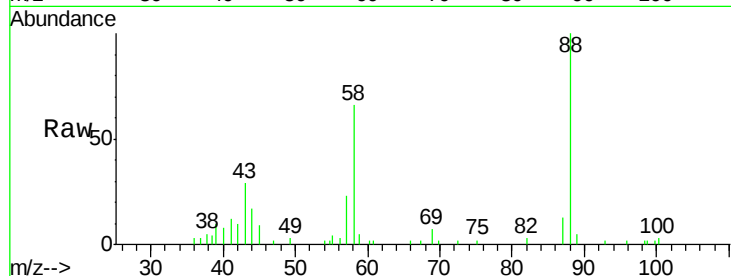
#49
1,4-Dioxane
Concen: 440.305 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX012344.D
Acq: 12 Sep 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.5	31.0	46.4
58	78.6	61.5	92.3

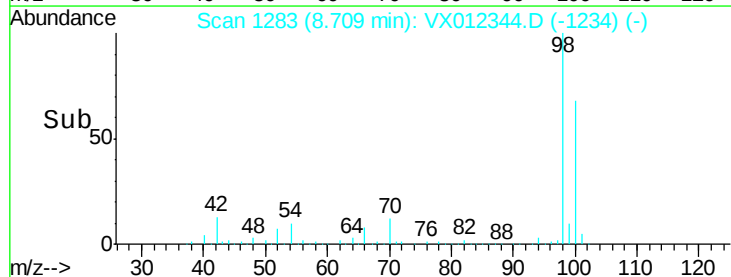
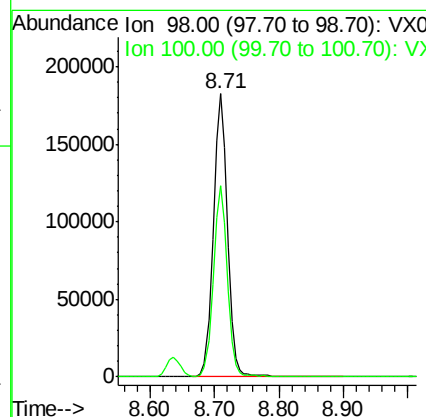
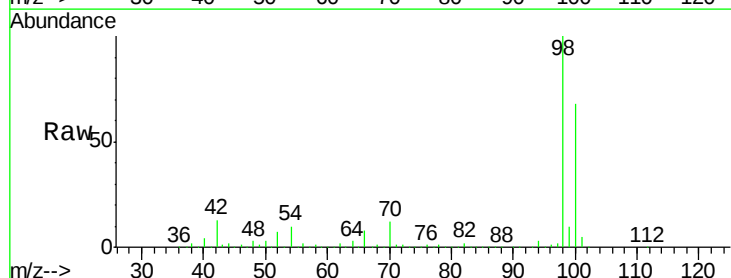
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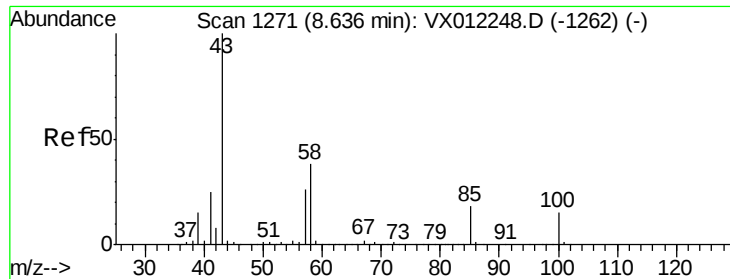
MMDadoda
9/13/2019 10:12:03 AM



#50
Toluene-d8
Concen: 50.703 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012344.D
Acq: 12 Sep 2019 12:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	54.1	81.1





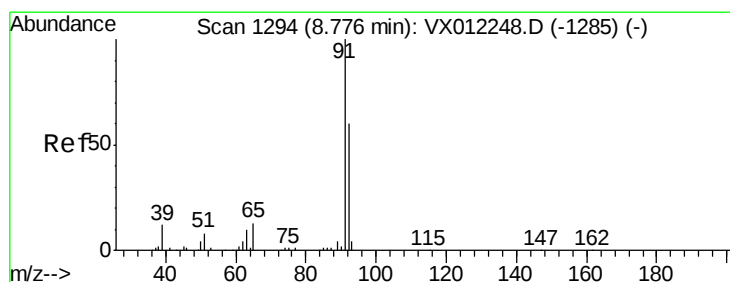
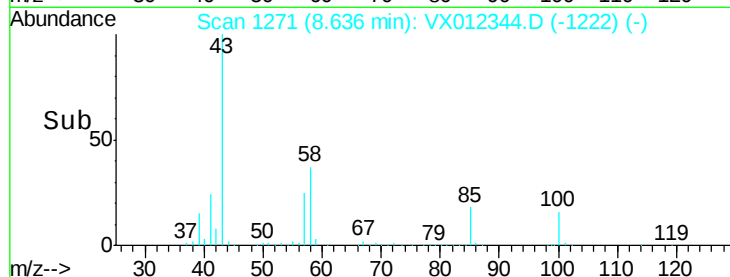
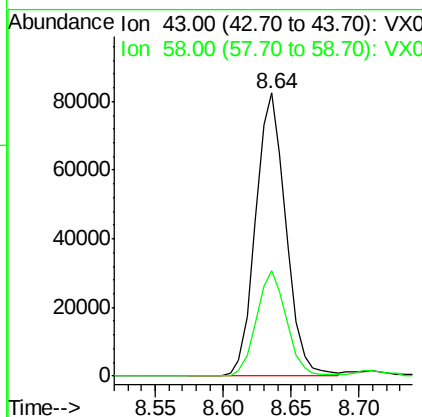
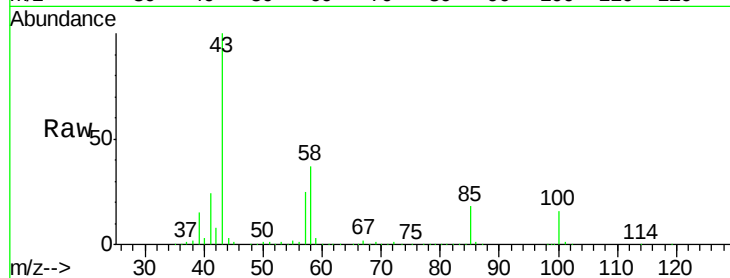
#51
4-Methyl-2-Pentanone
Concen: 104.025 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX012344.D
Acq: 12 Sep 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS01

Tot Ion	43	58	Ratio	Lower	Upper
Resp:	128785				
Ion	43	58	100	30.1	45.1

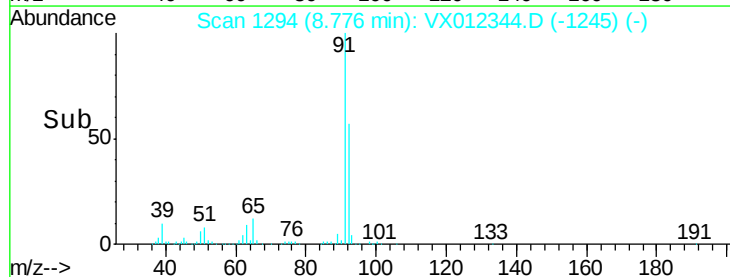
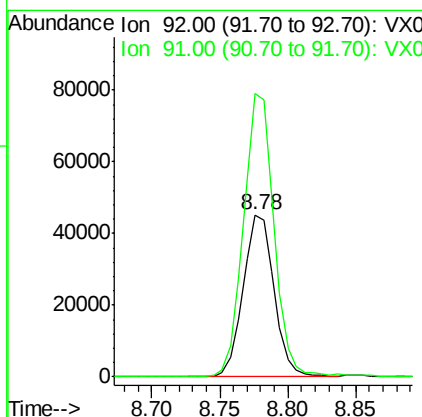
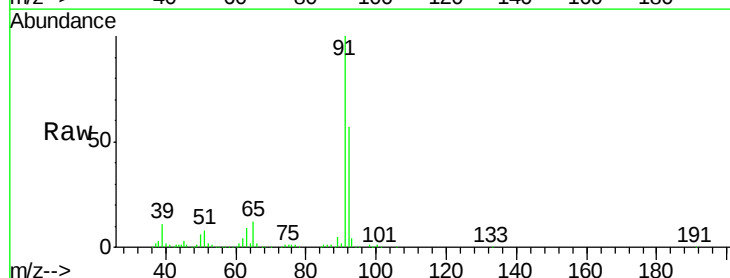
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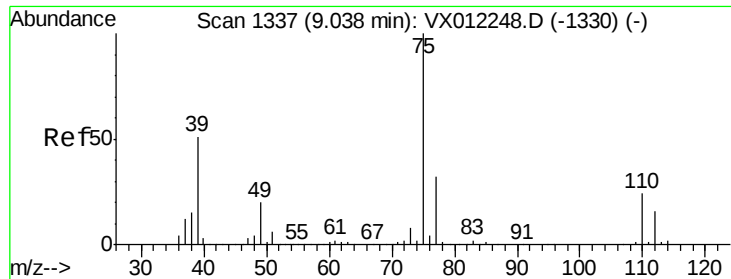
MMDadoda
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#52
Toluene
Concen: 20.068 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX012344.D
Acq: 12 Sep 2019 12:41

Tgt Ion	92	91	Ratio	Lower	Upper
Resp:	72206				
Ion	92	91	100	133.6	200.4





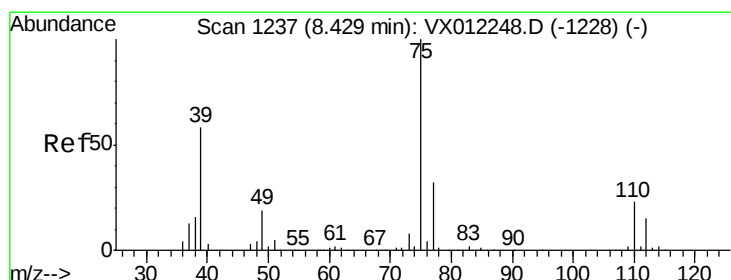
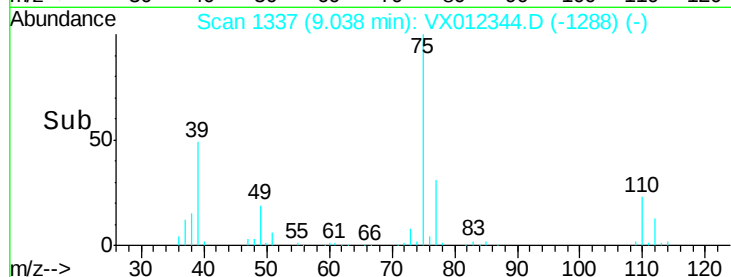
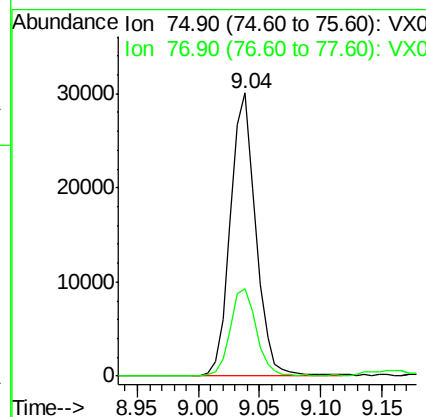
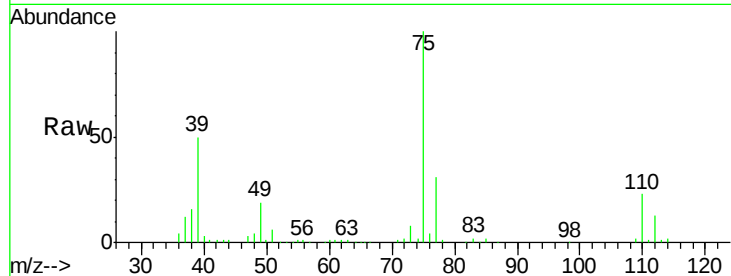
#53
t-1,3-Dichloropropene
Concen: 19.275 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX012344.D
Acq: 12 Sep 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS01

Tot Ion: 75 Resp: 43266
Ion Ratio Lower Upper
75 100
77 30.9 25.8 38.6

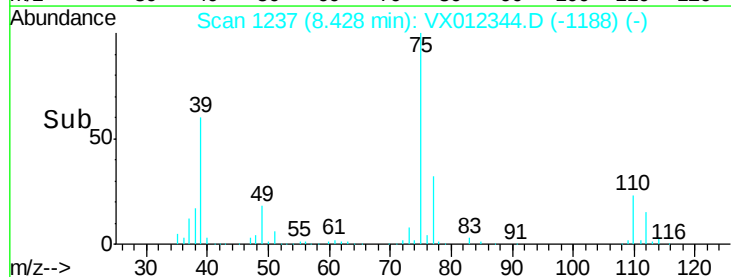
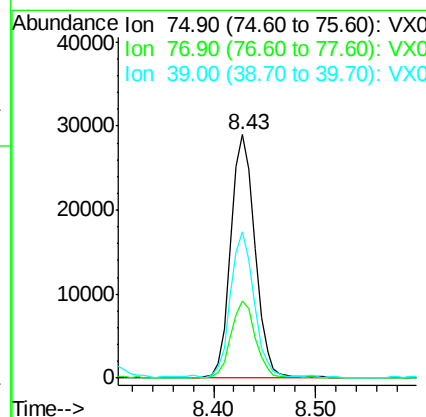
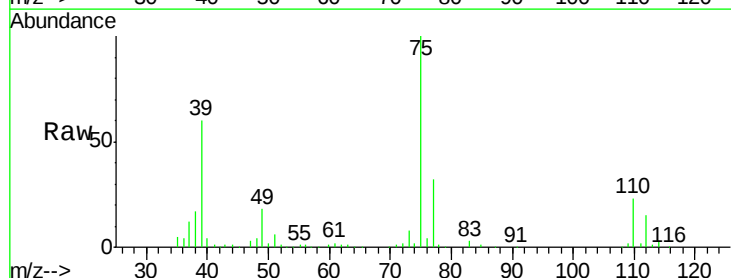
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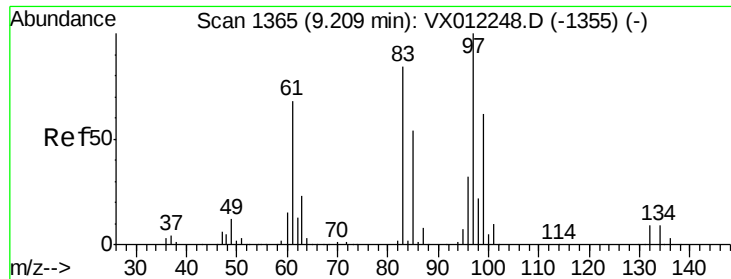
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#54
cis-1,3-Dichloropropene
Concen: 19.179 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX012344.D
Acq: 12 Sep 2019 12:41

Tgt Ion: 75 Resp: 47738
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.2
39 59.6 46.5 69.7





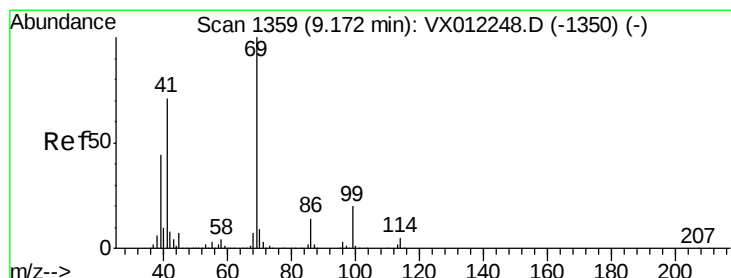
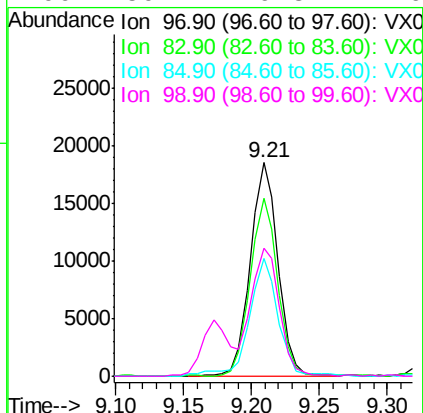
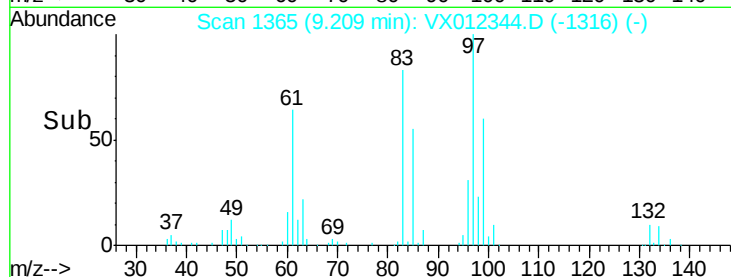
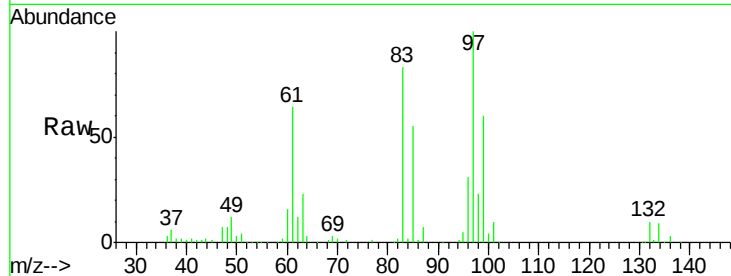
#55
 1,1,2-Trichloroethane
 Concen: 20.815 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012344.D
 Acq: 12 Sep 2019 12:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912SBS01

Tot Ion:	97	Resp:	26575
Ion	Ratio	Lower	Upper
97	100		
83	83.1	67.4	101.2
85	54.8	43.4	65.2
99	59.7	49.8	74.6

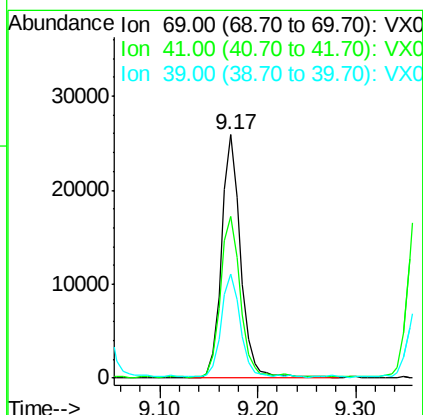
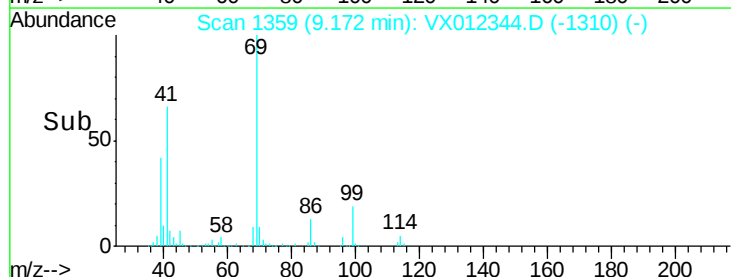
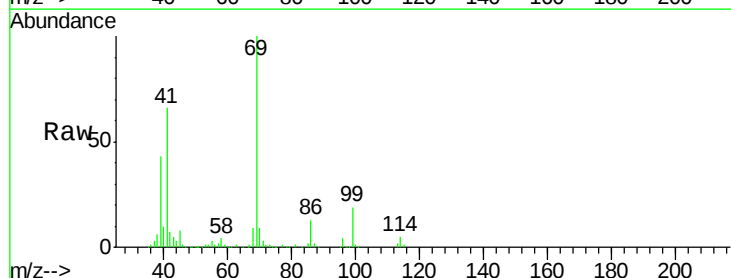
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#56
 Ethyl methacrylate
 Concen: 20.341 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012344.D
 Acq: 12 Sep 2019 12:41

Tgt Ion:	69	Resp:	35163
Ion	Ratio	Lower	Upper
69	100		
41	68.3	57.7	86.5
39	41.7	34.0	51.0





#57

1,3-Dichloropropane

Concen: 20.994 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX012344.D

Acq: 12 Sep 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS01

Tot Ion: 76 Resp: 45778

Ion Ratio Lower Upper

76 100

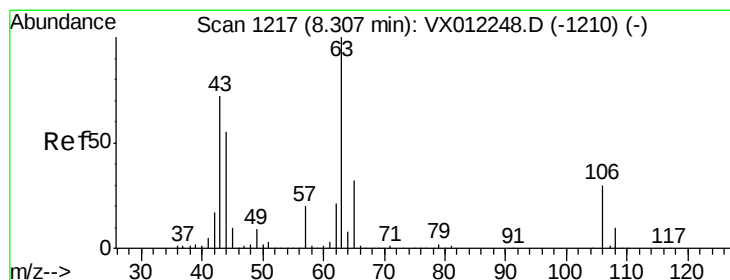
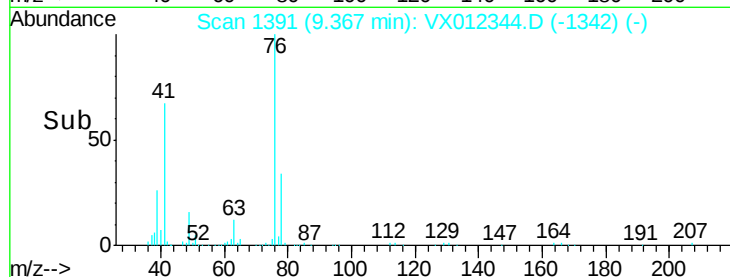
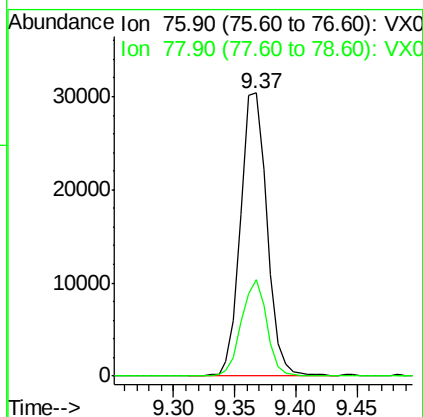
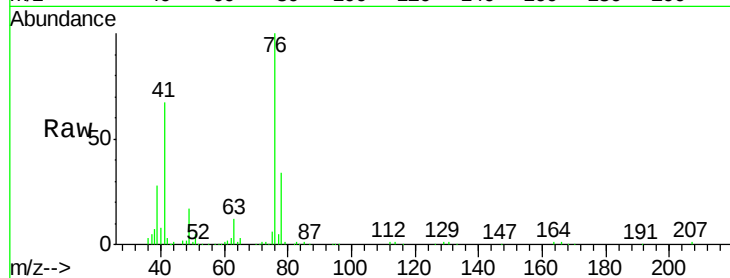
78 32.3 26.0 39.0

Manual Integrations

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MMDadoda

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#58

2-Chloroethyl Vinyl ether

Concen: 101.777 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX012344.D

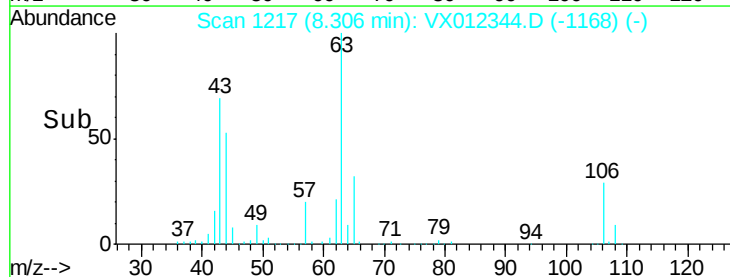
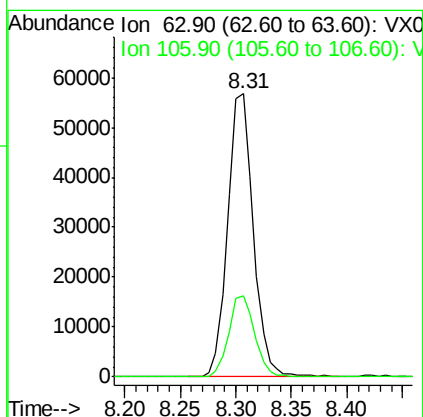
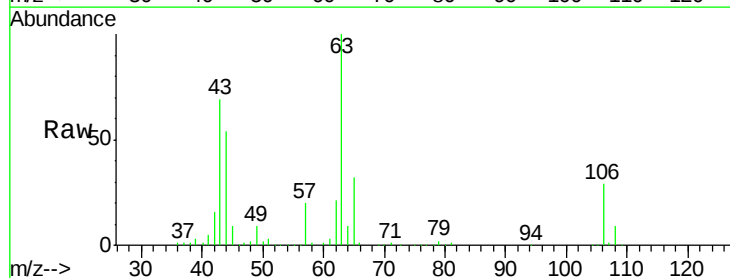
Acq: 12 Sep 2019 12:41

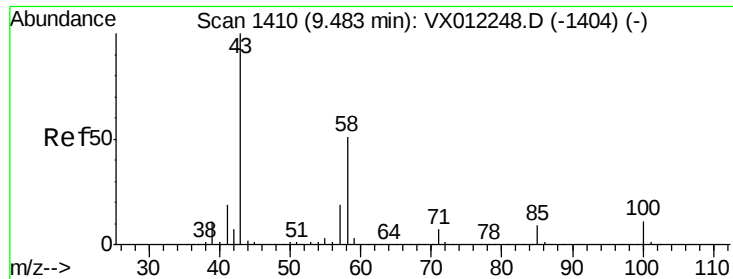
Tgt Ion: 63 Resp: 90173

Ion Ratio Lower Upper

63 100

106 29.0 23.4 35.2





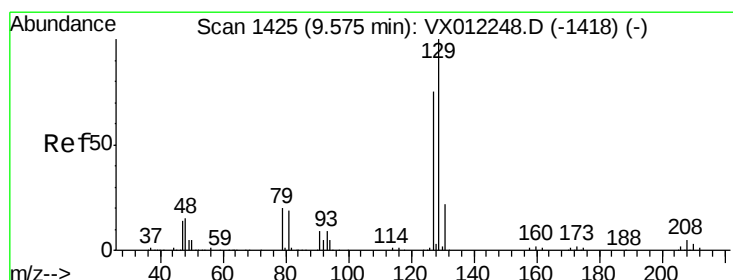
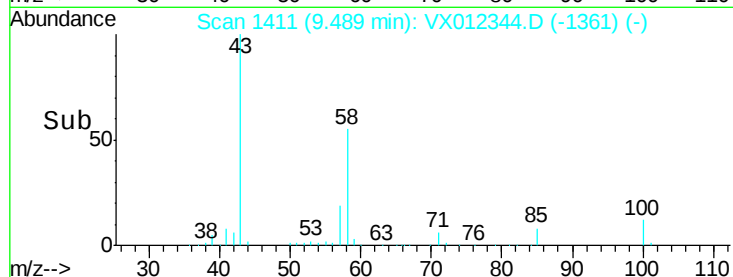
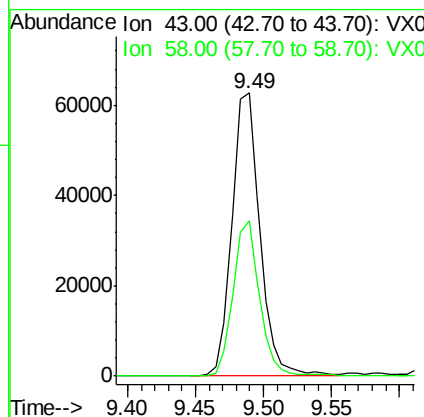
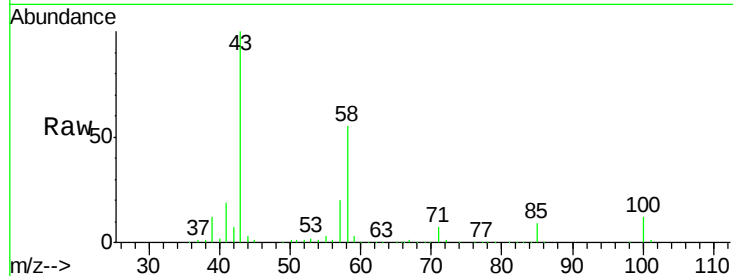
#59
2-Hexanone
Concen: 103.975 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX012344.D
Acq: 12 Sep 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS01

Tot Ion: 43 Resp: 89502
Ion Ratio Lower Upper
43 100
58 52.5 25.8 77.3

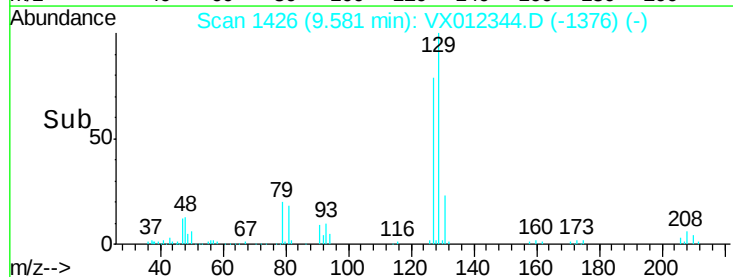
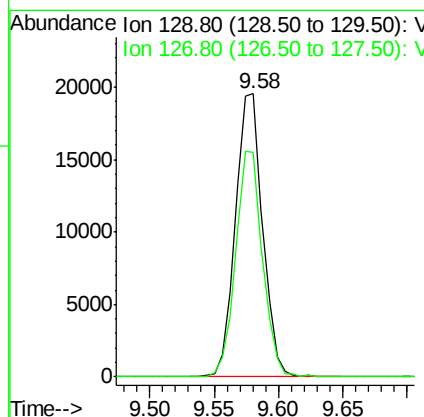
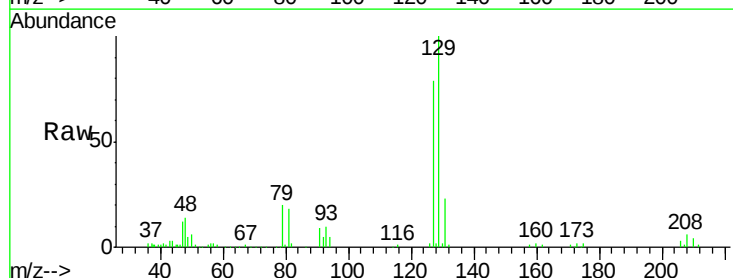
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APPROVED

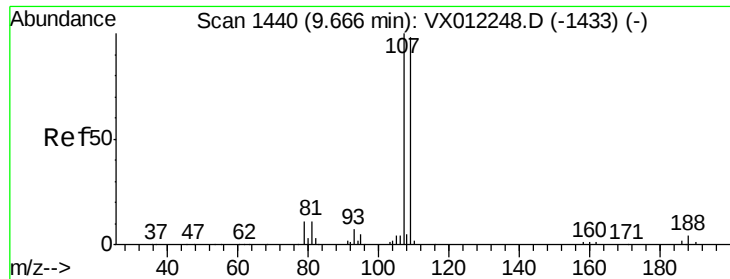
MMDadoda
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#60
Dibromochloromethane
Concen: 19.357 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.01 min
Lab File: VX012344.D
Acq: 12 Sep 2019 12:41

Tgt Ion: 129 Resp: 28851
Ion Ratio Lower Upper
129 100
127 78.8 38.1 114.3





#61

1,2-Dibromoethane

Concen: 20.291 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012344.D

Acq: 12 Sep 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS01

Tot Ion:107 Resp: 24115

Ion Ratio Lower Upper

107 100

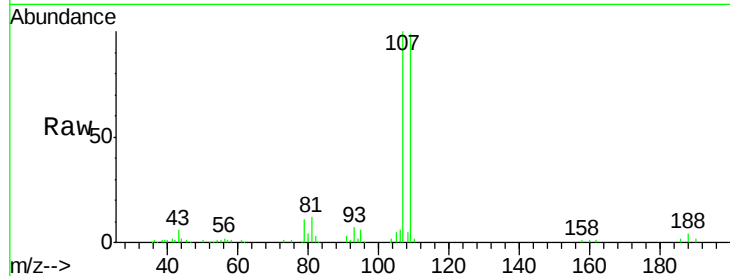
109 95.7 76.3 114.5

Manual Integrations

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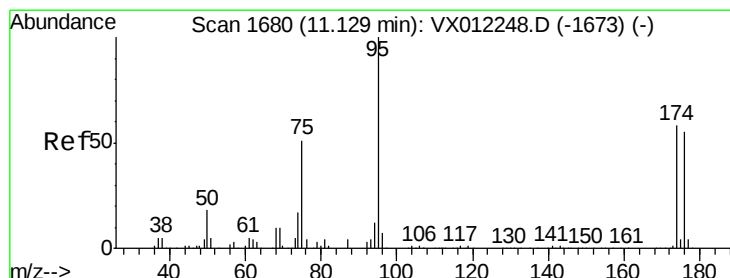
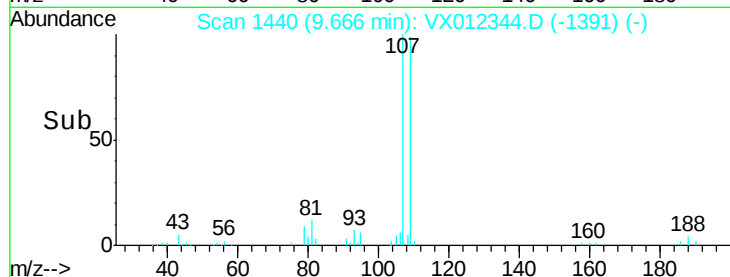
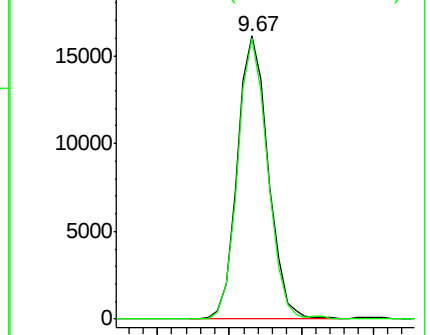
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.788 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012344.D

Acq: 12 Sep 2019 12:41

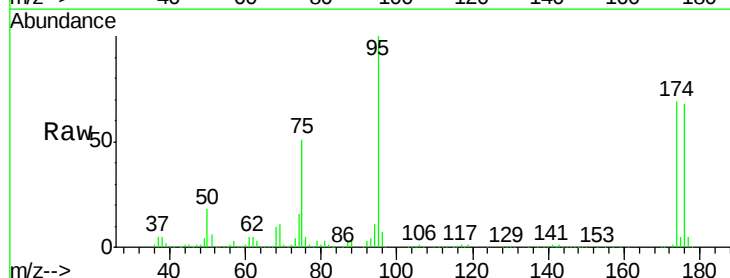
Tgt Ion: 95 Resp: 117809

Ion Ratio Lower Upper

95 100

174 68.2 0.0 127.0

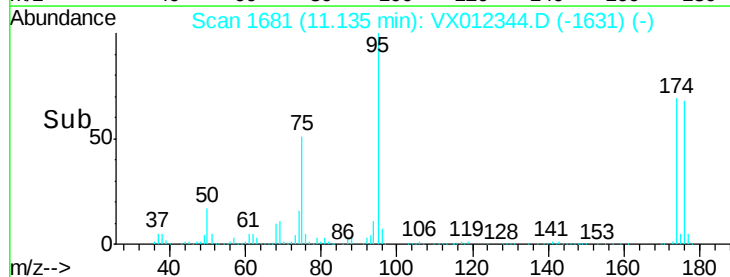
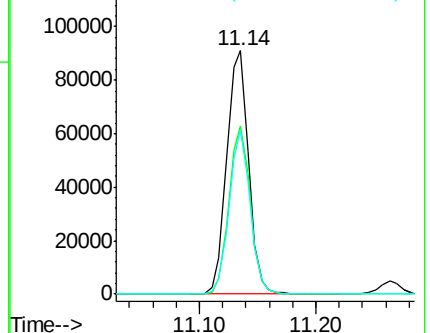
176 65.1 0.0 125.8

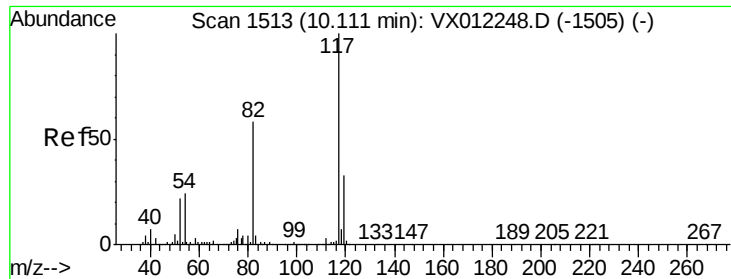


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012344.D

Acq: 12 Sep 2019 12:41

Instrument :

MSVOA_X

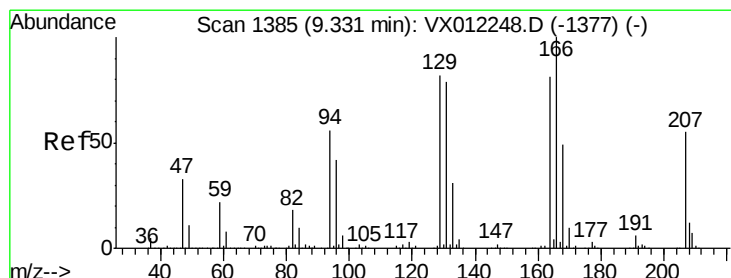
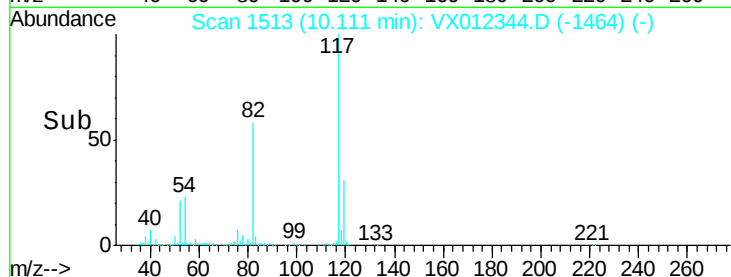
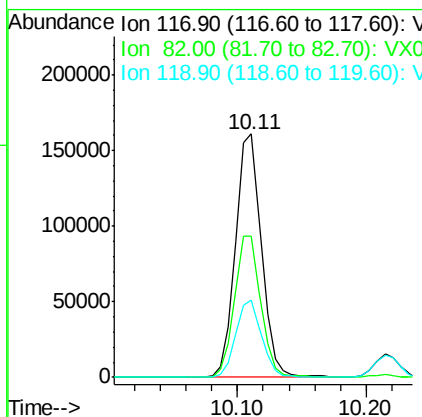
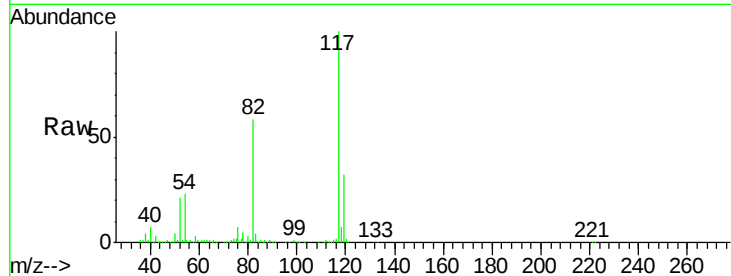
ClientSampleId :

VX0912SBS01

Tot Ion:	117	Resp:	226667
Ion Ratio		Lower	Upper
117	100		
82	57.8	46.4	69.6
119	31.5	26.6	39.8

Manual Integrations
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#64

Tetrachloroethene

Concen: 20.976 ug/l

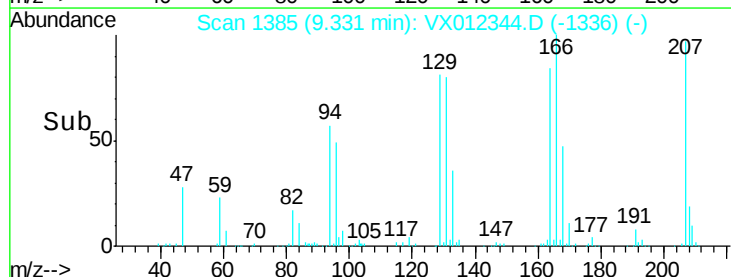
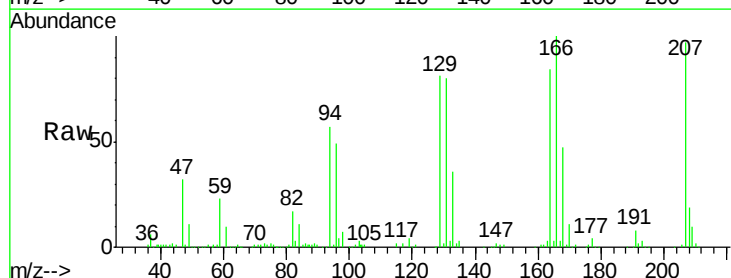
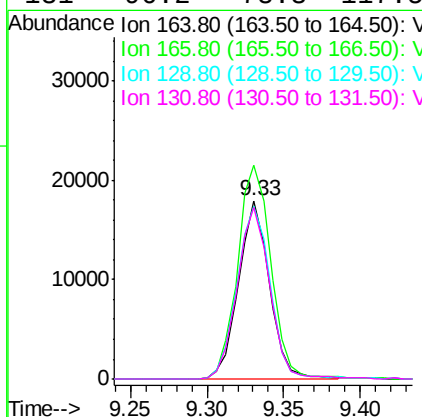
RT: 9.33 min Scan# 1385

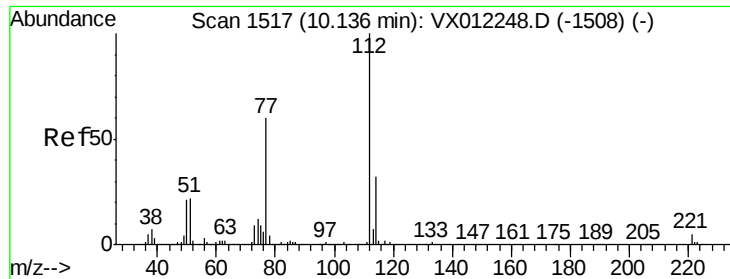
Delta R.T. -0.00 min

Lab File: VX012344.D

Acq: 12 Sep 2019 12:41

Tgt Ion:	164	Resp:	25145
Ion Ratio		Lower	Upper
164	100		
166	119.7	99.4	149.0
129	97.0	81.8	122.8
131	96.2	78.3	117.5





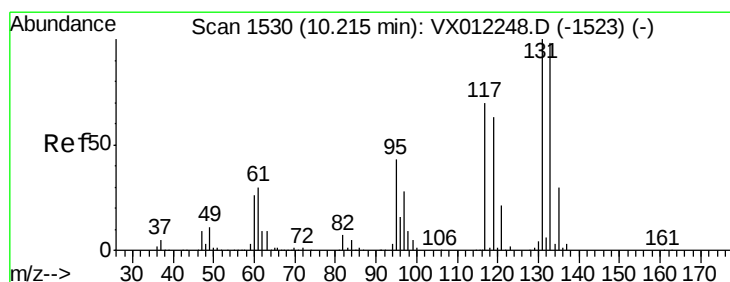
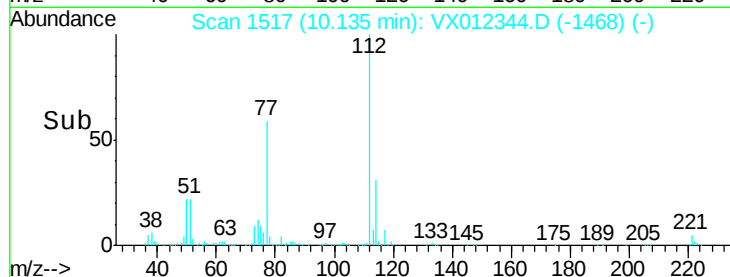
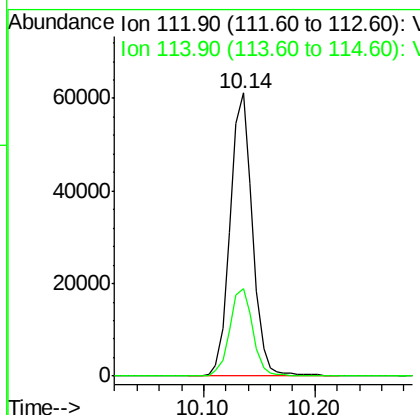
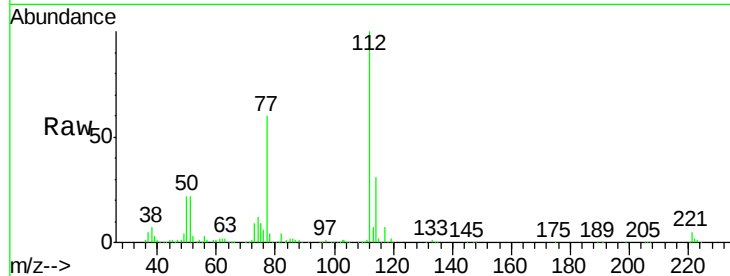
#65
Chlorobenzene
Concen: 20.464 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012344.D
Acq: 12 Sep 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS01

Tot Ion:112 Resp: 84756
Ion Ratio Lower Upper
112 100
114 31.1 25.4 38.0

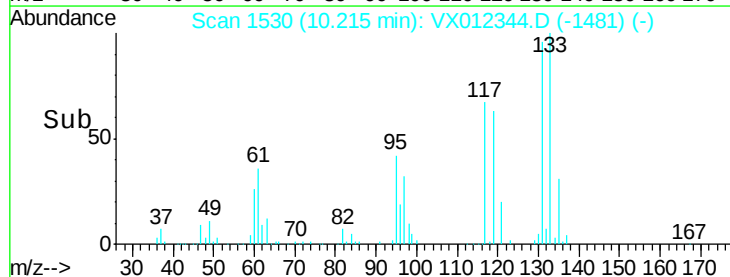
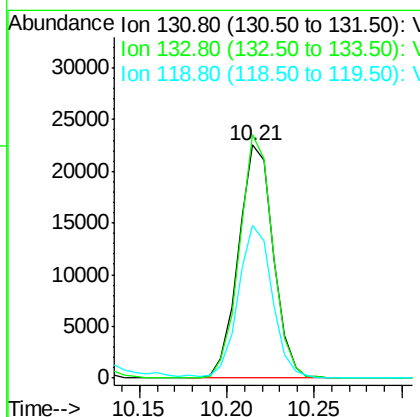
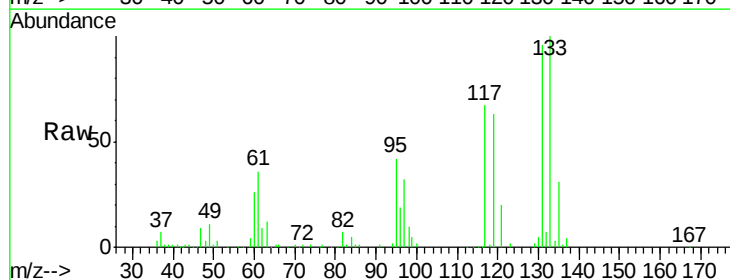
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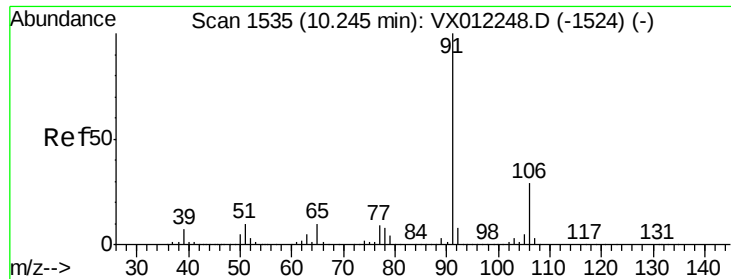
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.960 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX012344.D
Acq: 12 Sep 2019 12:41

Tgt Ion:131 Resp: 31162
Ion Ratio Lower Upper
131 100
133 99.6 48.0 144.2
119 64.4 31.6 95.0





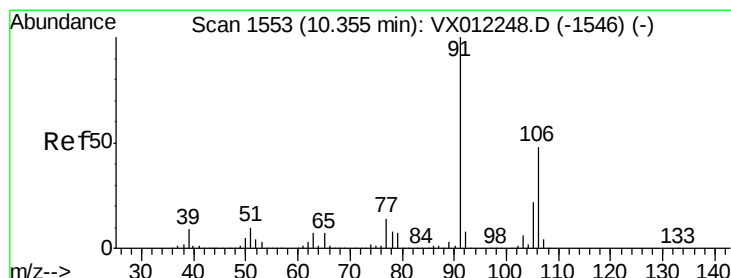
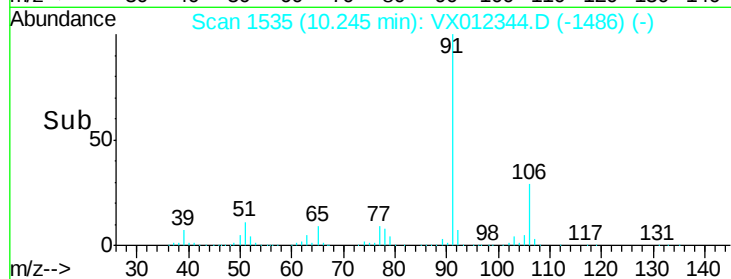
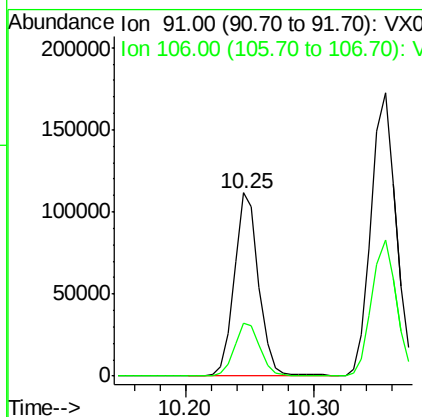
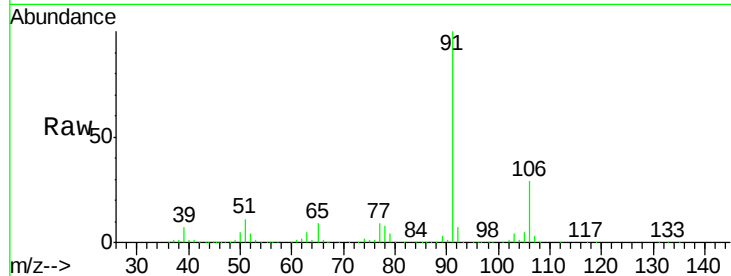
#67
Ethyl Benzene
Concen: 20.107 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012344.D
Acq: 12 Sep 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS01

Tot Ion: 91 Resp: 148112
Ion Ratio Lower Upper
91 100
106 29.2 23.1 34.7

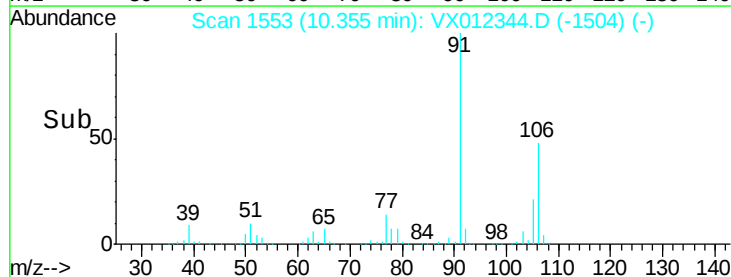
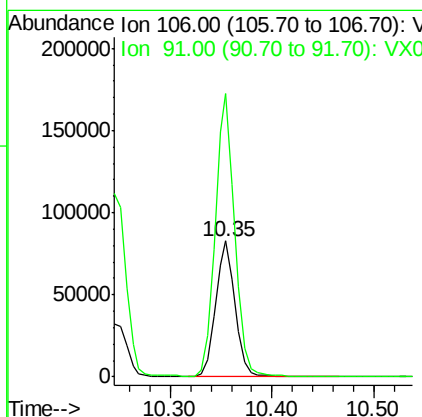
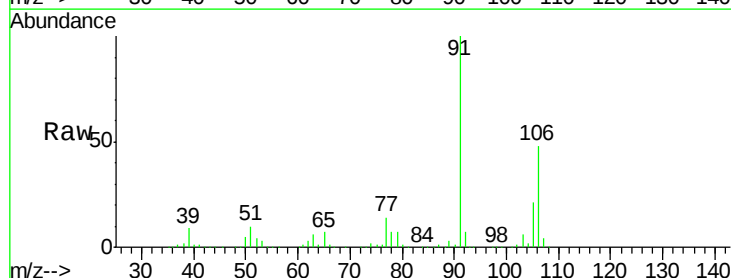
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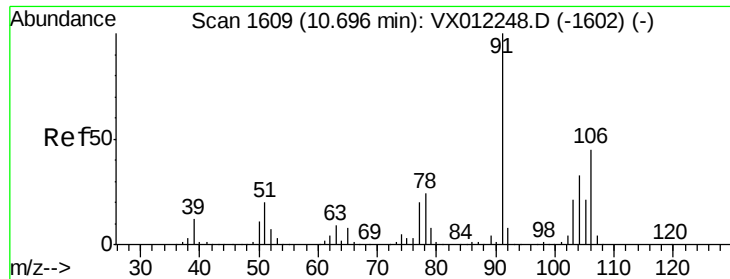
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#68
m/p-Xylenes
Concen: 41.088 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012344.D
Acq: 12 Sep 2019 12:41

Tgt Ion: 106 Resp: 111414
Ion Ratio Lower Upper
106 100
91 207.5 167.0 250.6





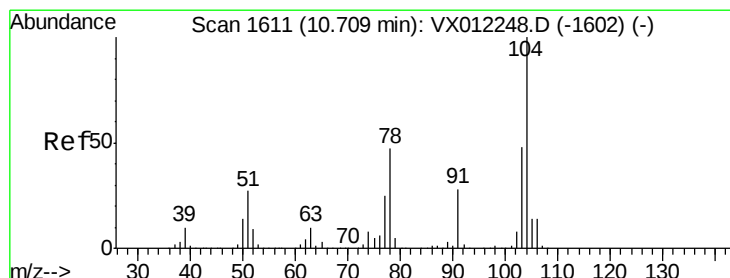
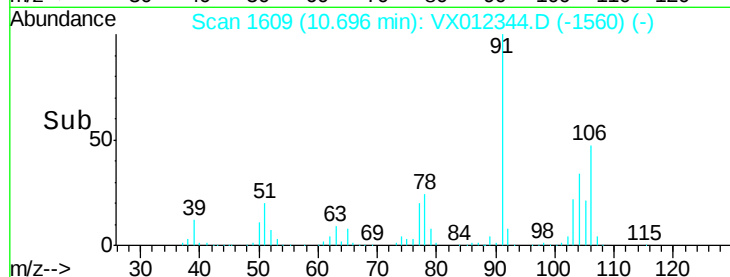
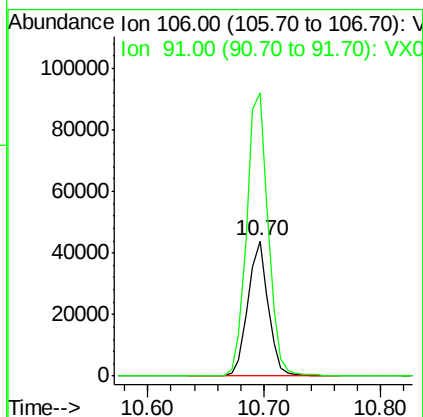
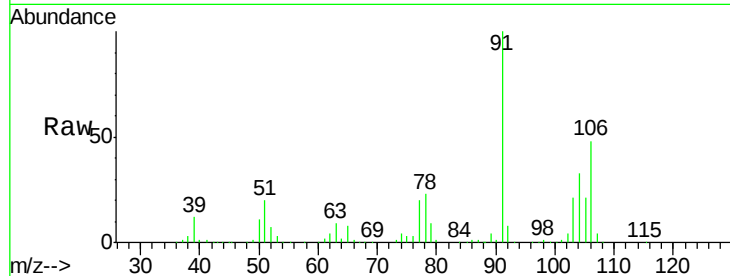
#69
o-Xylene
Concen: 20.285 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012344.D
Acq: 12 Sep 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS01

Tot Ion:106 Resp: 53883
Ion Ratio Lower Upper
106 100
91 222.0 110.5 331.4

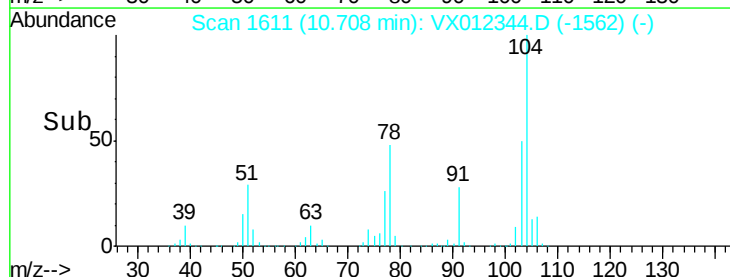
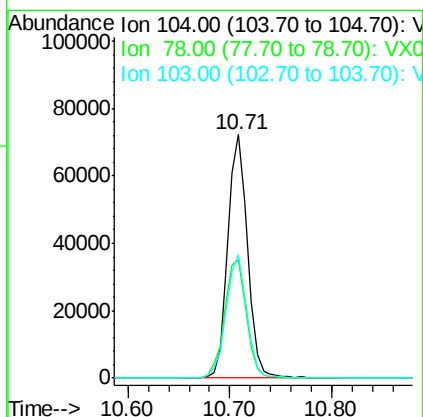
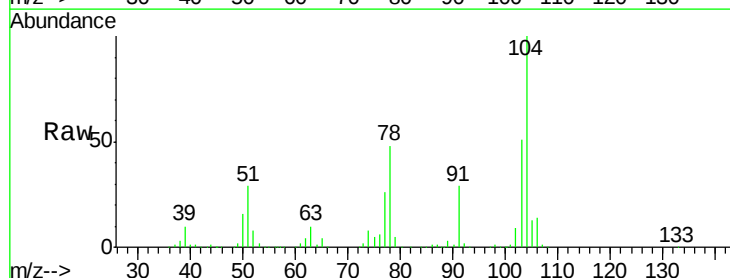
Manual Integrations
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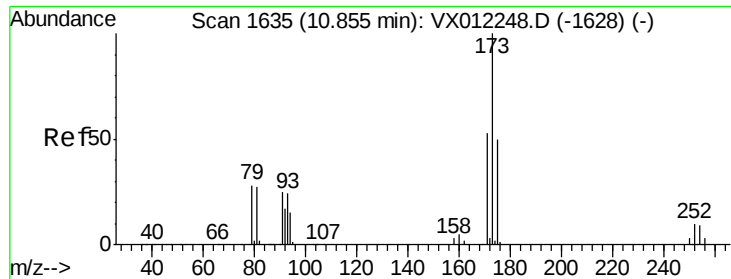
MMDadoda
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#70
Styrene
Concen: 20.452 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012344.D
Acq: 12 Sep 2019 12:41

Tgt Ion:104 Resp: 96347
Ion Ratio Lower Upper
104 100
78 54.4 44.2 66.2
103 53.4 42.5 63.7





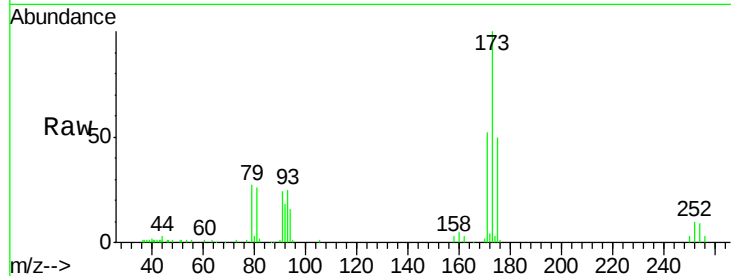
#71
Bromoform
Concen: 19.757 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VX012344.D
Acq: 12 Sep 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.3	24.5	73.5
254	0.0	0.2	0.4

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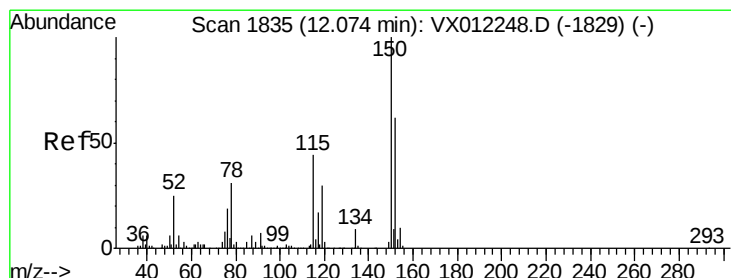
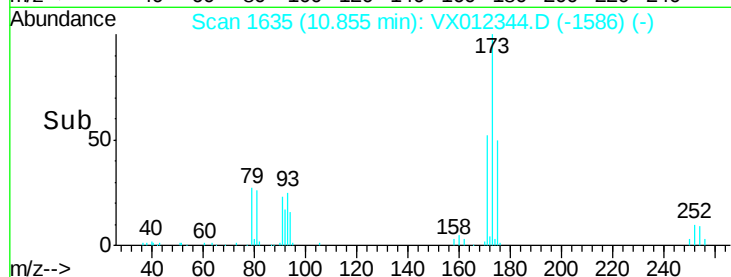
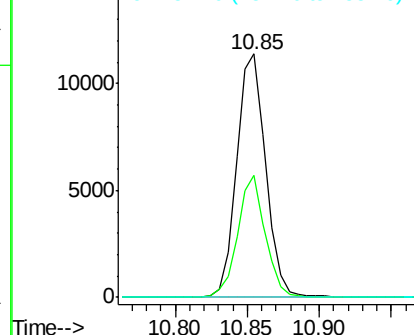


Abundance

Ion 172.70 (172.40 to 173.40): V

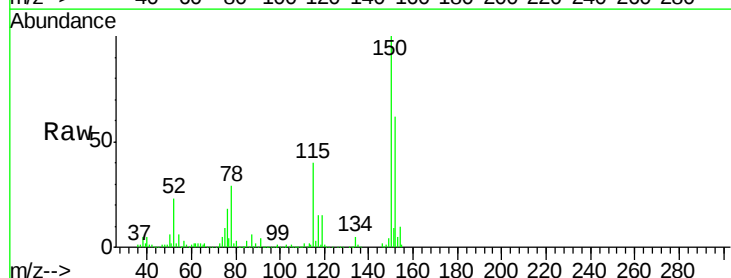
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012344.D
Acq: 12 Sep 2019 12:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	73.3	45.5	136.4
150	162.2	0.0	346.4

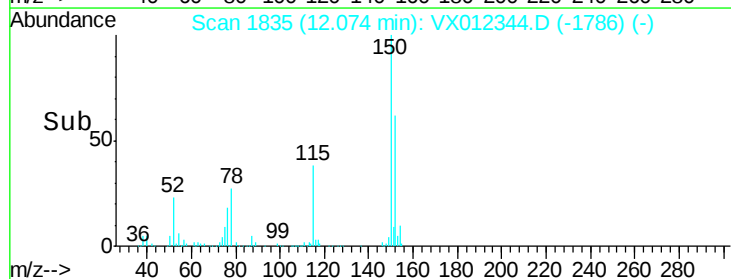
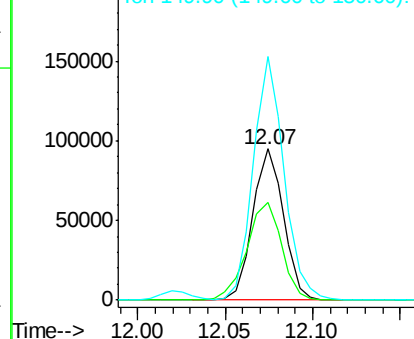


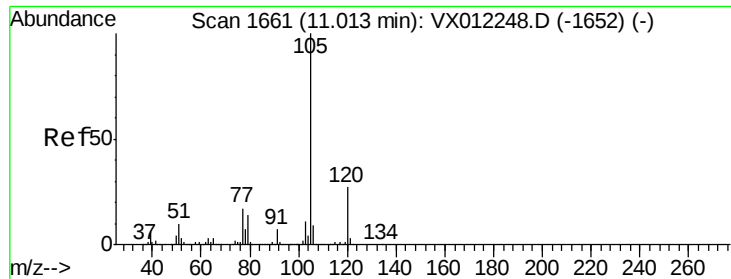
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.826 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012344.D

Acq: 12 Sep 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS01

Tot Ion:105 Resp: 151040

Ion Ratio Lower Upper

105 100

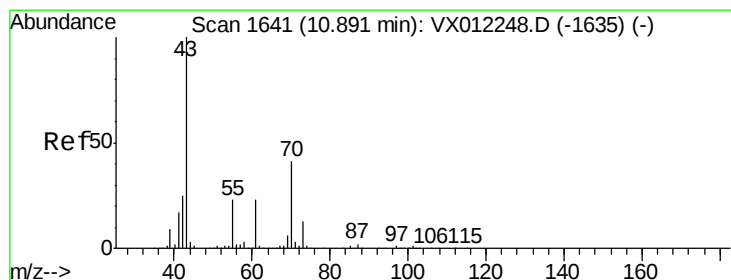
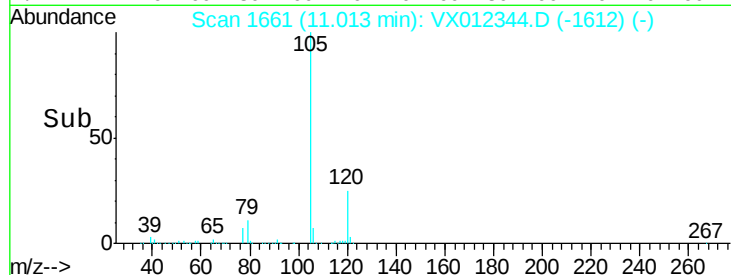
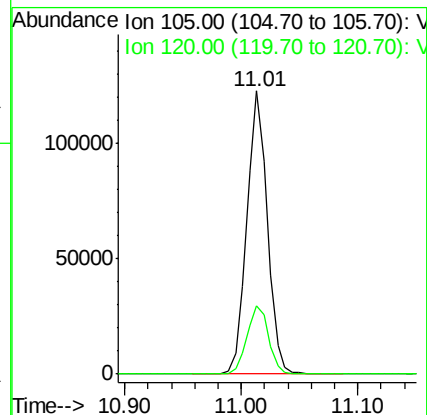
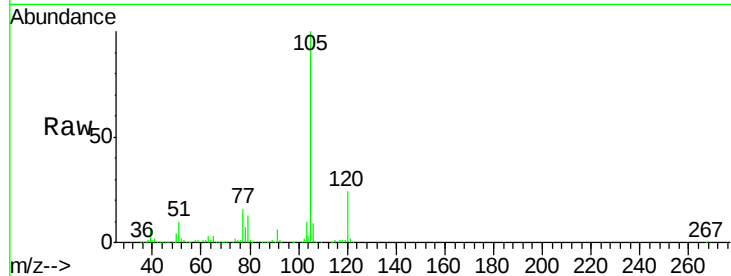
120 25.4 13.2 39.5

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.104 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012344.D

Acq: 12 Sep 2019 12:41

Tgt Ion: 43 Resp: 43273

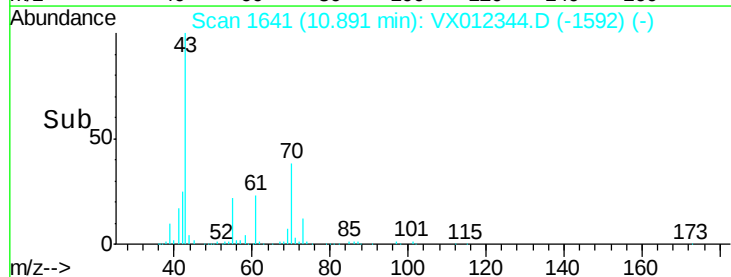
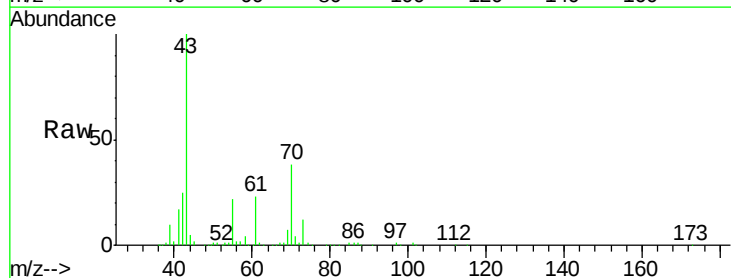
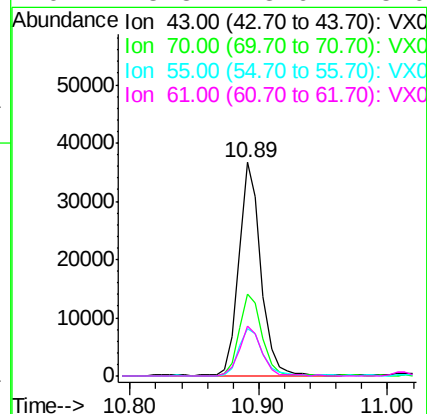
Ion Ratio Lower Upper

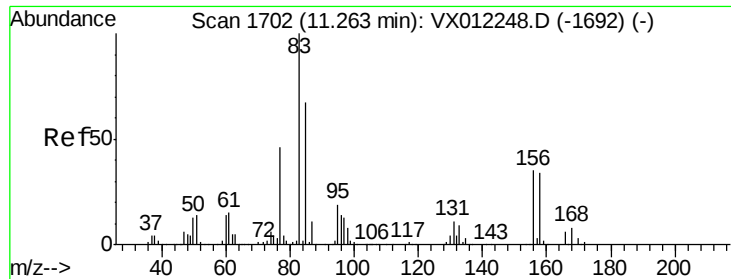
43 100

70 40.4 32.9 49.3

55 24.3 19.1 28.7

61 23.8 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.384 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012344.D

Acq: 12 Sep 2019 12:41

Instrument :

MSVOA_X

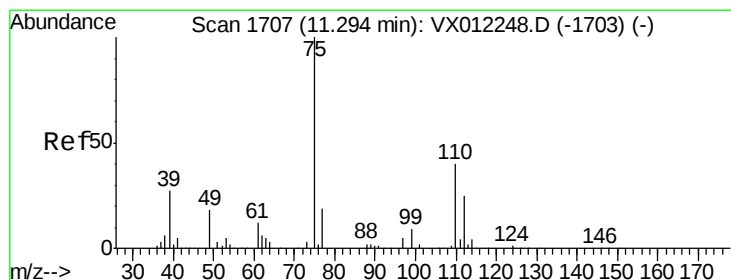
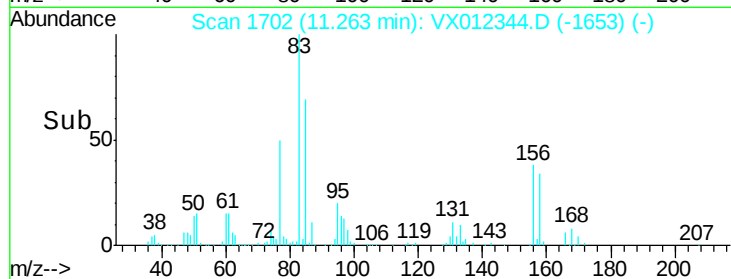
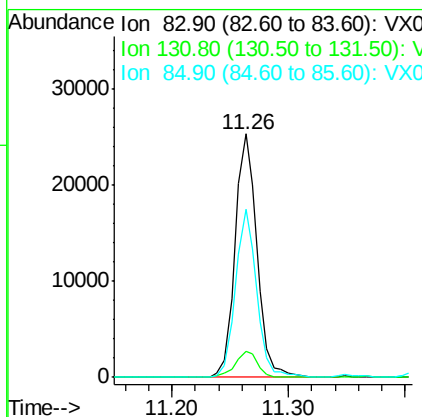
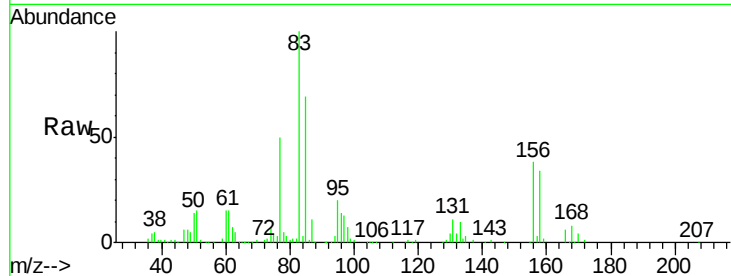
ClientSampleId :

VX0912SBS01

Tot Ion:	83	Resp:	33351
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.5	16.4
85	66.6	32.8	98.4

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#76

1,2,3-Trichloropropane

Concen: 19.948 ug/l m

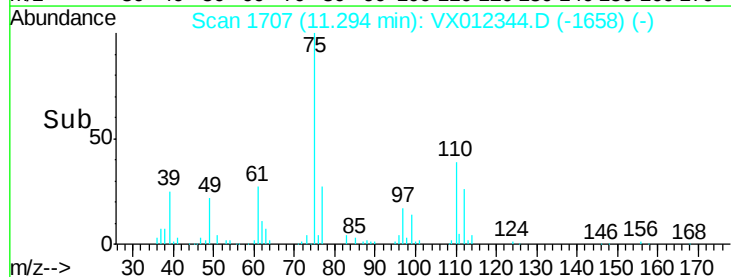
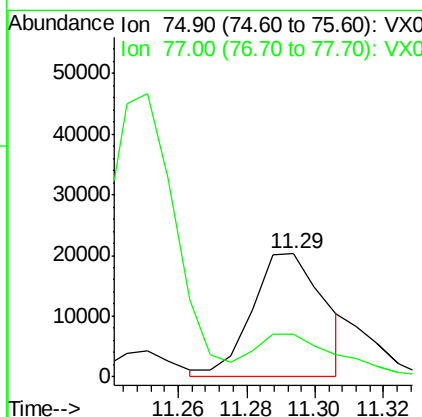
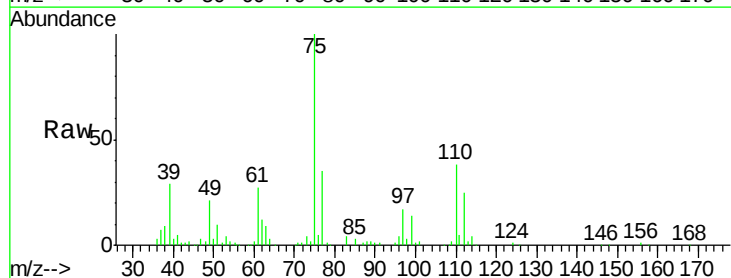
RT: 11.29 min Scan# 1707

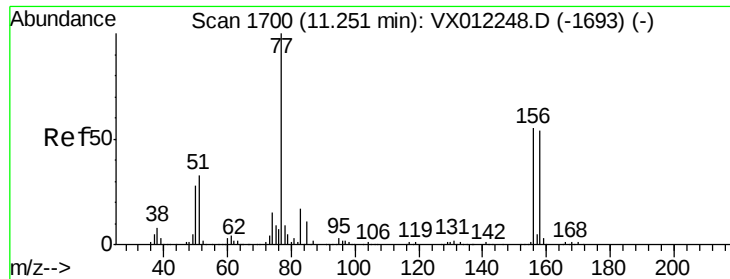
Delta R.T. -0.00 min

Lab File: VX012344.D

Acq: 12 Sep 2019 12:41

Tgt Ion:	75	Resp:	29654
Ion Ratio	Lower	Upper	
75	100		
77	40.5	19.7	59.0





#77

Bromobenzene

Concen: 20.577 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012344.D

Acq: 12 Sep 2019 12:41

Instrument :

MSVOA_X

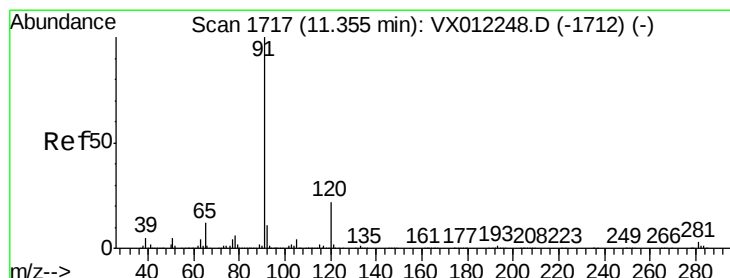
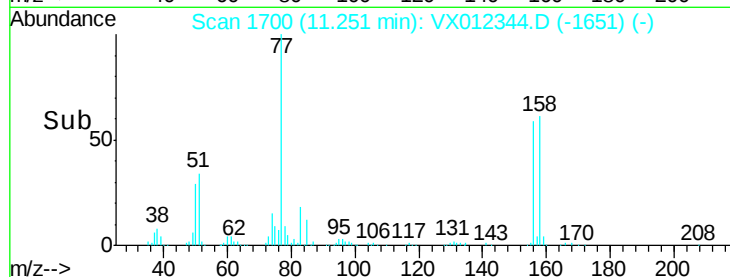
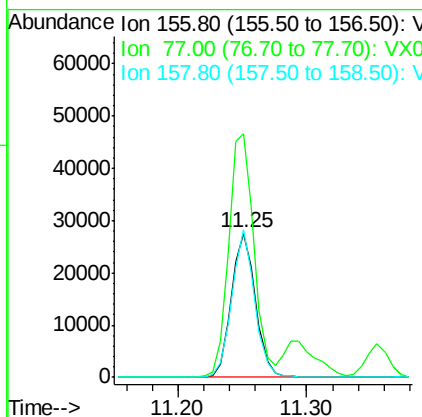
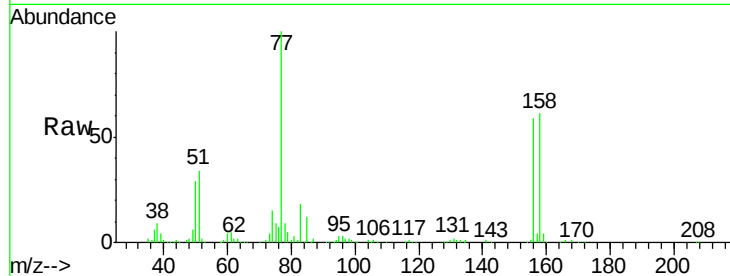
ClientSampleId :

VX0912SBS01

Tot Ion:	156	Resp:	36091
Ion Ratio	Lower	Upper	
156	100		
77	177.6	92.2	276.6
158	97.8	48.8	146.3

Manual Integrations
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#78

n-propylbenzene

Concen: 19.523 ug/l

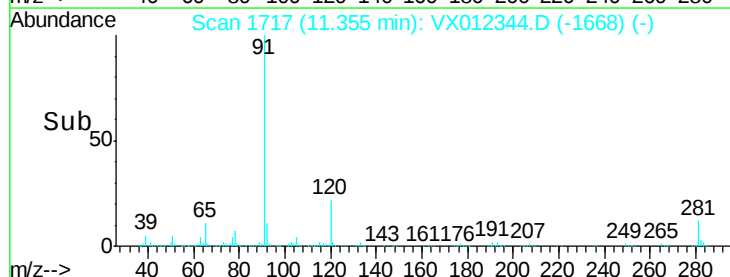
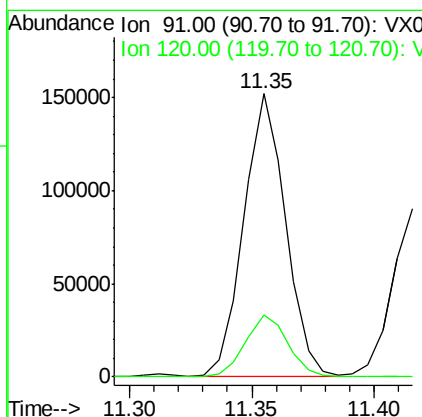
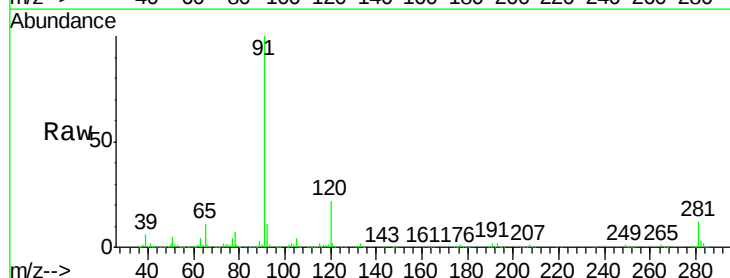
RT: 11.35 min Scan# 1717

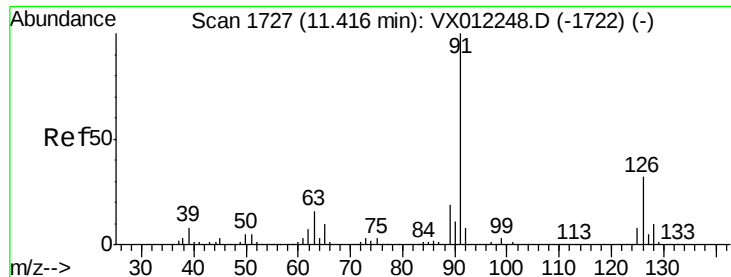
Delta R.T. -0.00 min

Lab File: VX012344.D

Acq: 12 Sep 2019 12:41

Tgt Ion:	91	Resp:	179610
Ion Ratio	Lower	Upper	
91	100		
120	22.5	11.2	33.6





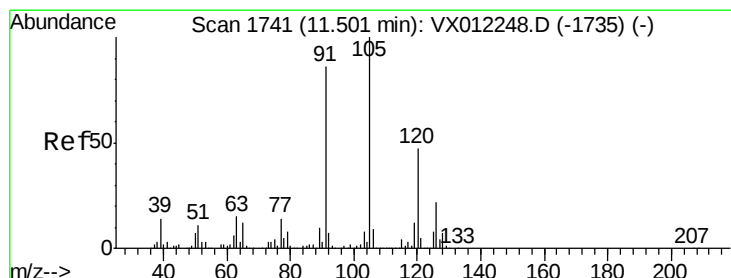
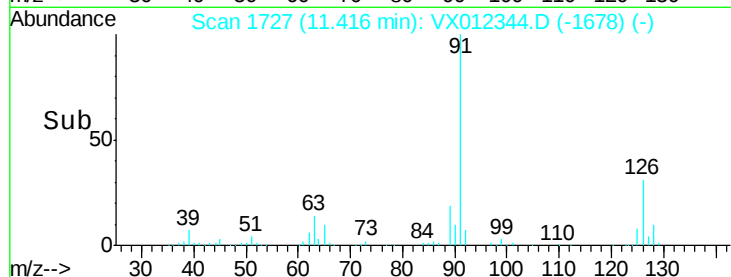
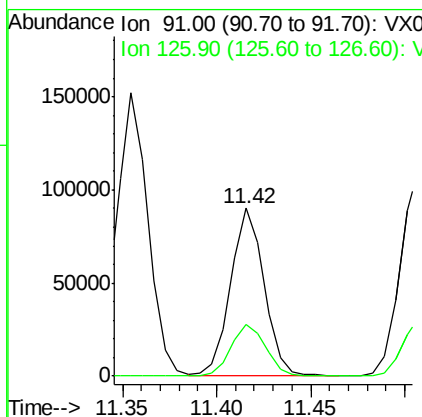
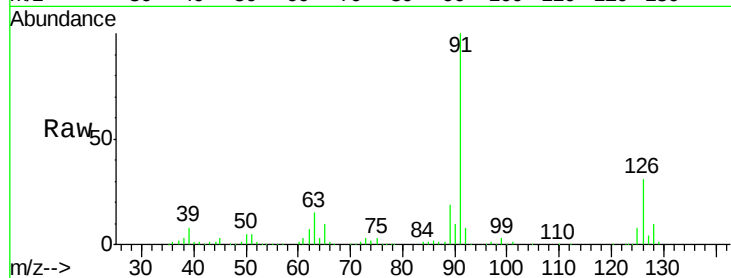
#79
 2-Chlorotoluene
 Concen: 19.402 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: VX012344.D
 Acq: 12 Sep 2019 12:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912SBS01

Tot Ion: 91 Resp: 110583
 Ion Ratio Lower Upper
 91 100
 126 32.1 15.9 47.7

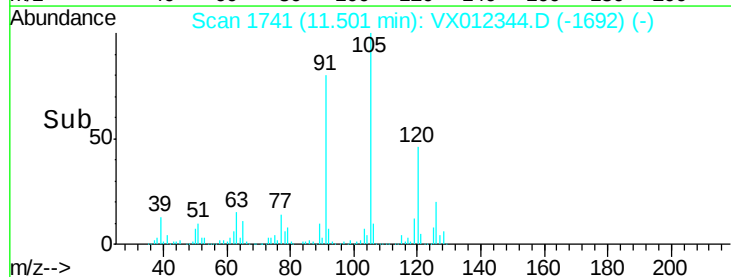
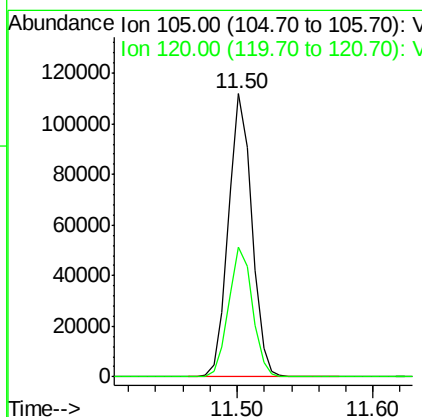
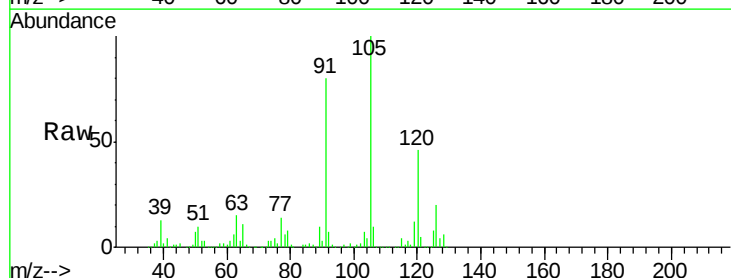
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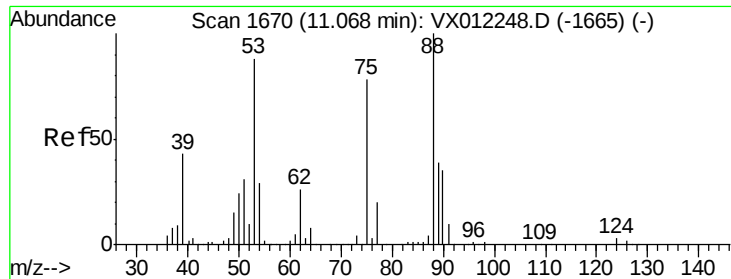
MMDadoda
 9/13/2019 10:12:03 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.565 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX012344.D
 Acq: 12 Sep 2019 12:41

Tgt Ion: 105 Resp: 134039
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.7 71.1





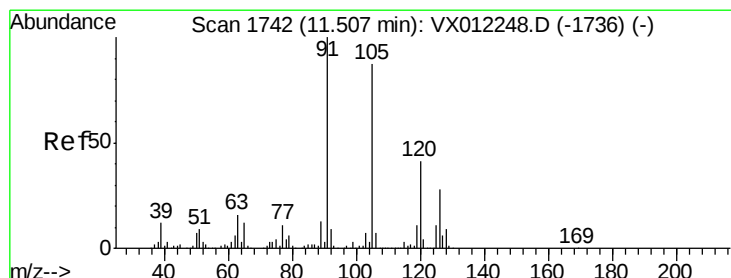
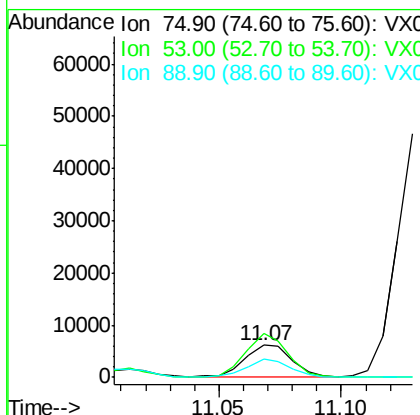
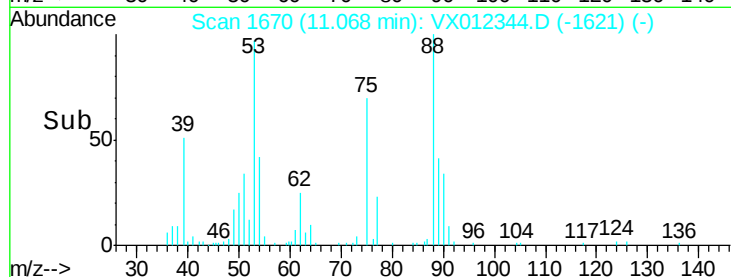
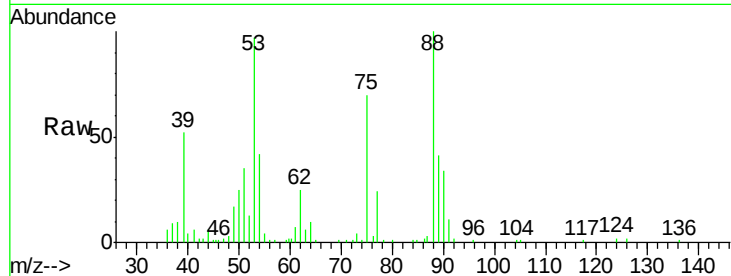
#81
trans-1,4-Dichloro-2-butene
Concen: 16.378 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX012344.D
Acq: 12 Sep 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	122.0	88.1	132.1
89	54.0	43.5	65.3

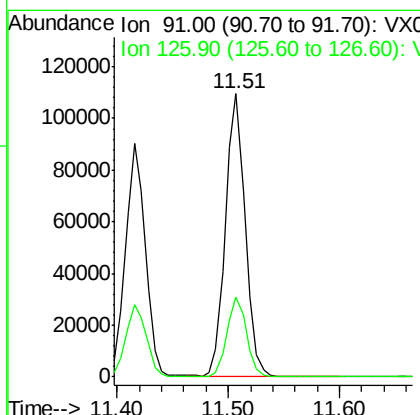
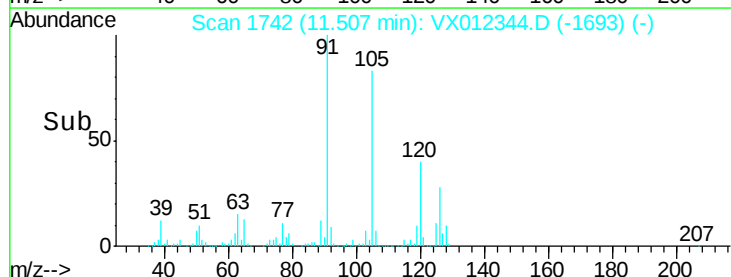
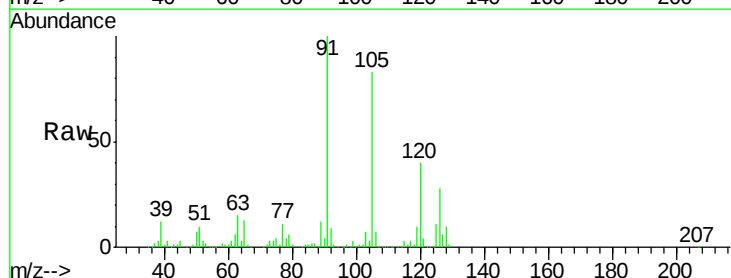
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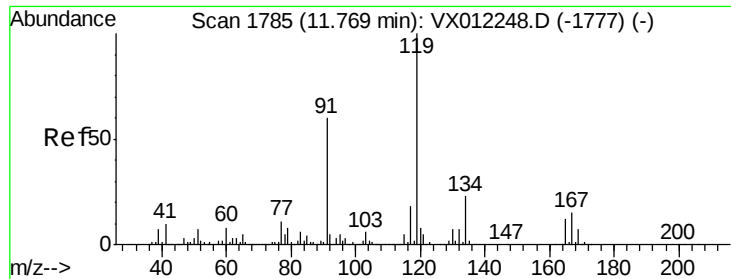
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#82
4-Chlorotoluene
Concen: 19.592 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX012344.D
Acq: 12 Sep 2019 12:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.1	14.0	42.0





#83

tert-Butylbenzene

Concen: 19.634 ug/l

RT: 11.77 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VX012344.D

Acq: 12 Sep 2019 12:41

Instrument :

MSVOA_X

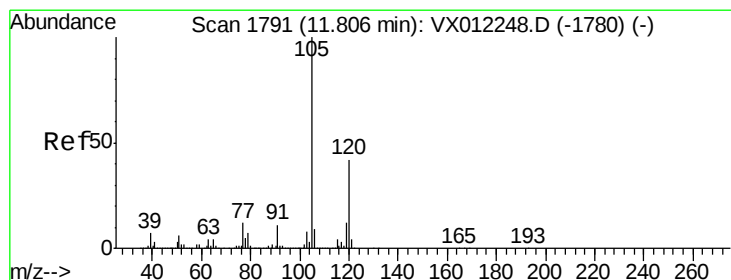
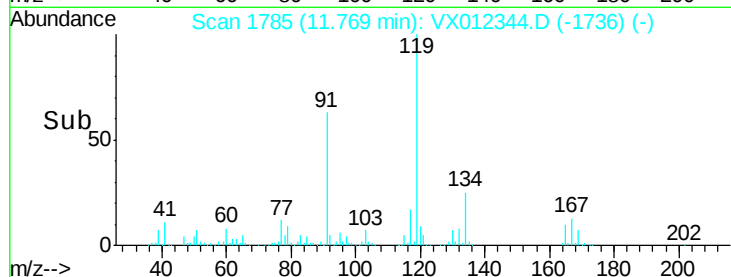
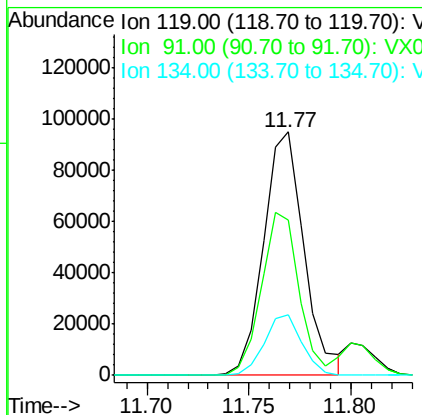
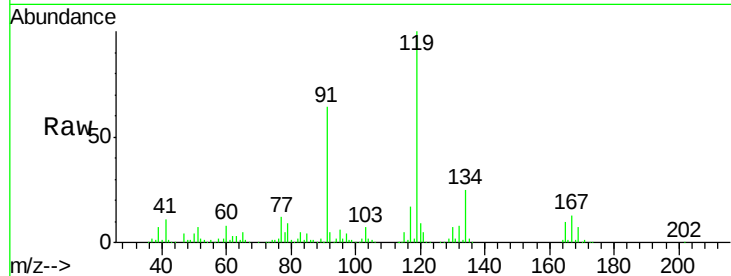
ClientSampleId :

VX0912SBSD01

Tot Ion:	119	Resp:	130613
Ion Ratio	Lower	Upper	
119	100		
91	62.4	30.9	92.8
134	23.4	11.2	33.6

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 19.416 ug/l

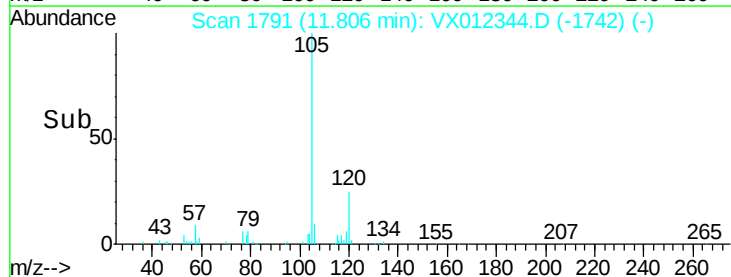
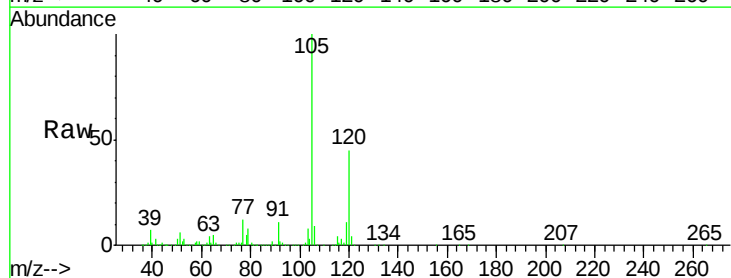
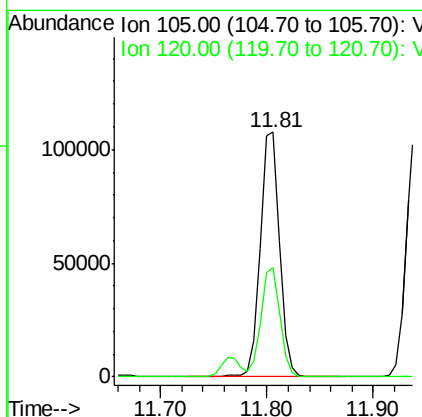
RT: 11.81 min Scan# 1791

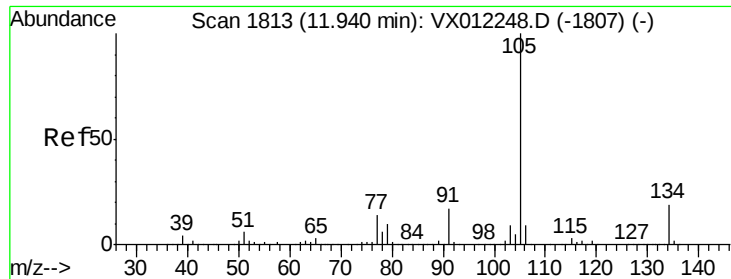
Delta R.T. -0.00 min

Lab File: VX012344.D

Acq: 12 Sep 2019 12:41

Tgt Ion:	105	Resp:	137512
Ion Ratio	Lower	Upper	
105	100		
120	43.8	21.3	63.9





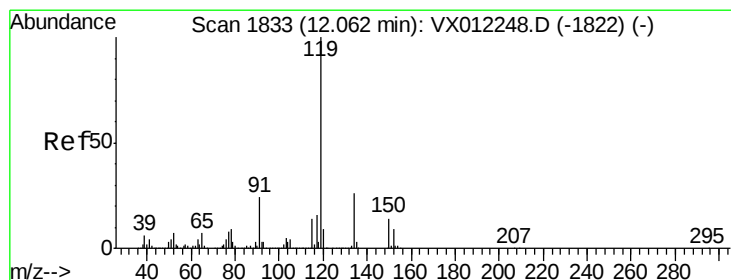
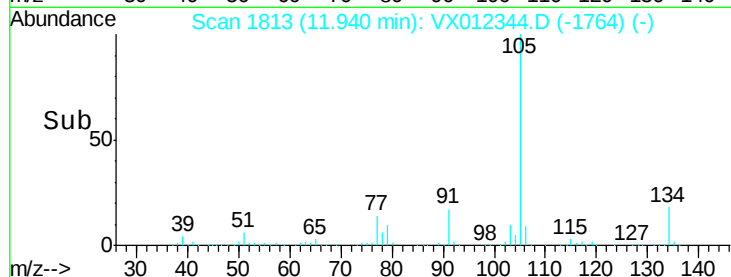
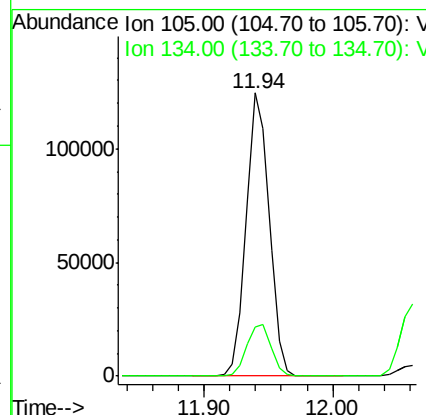
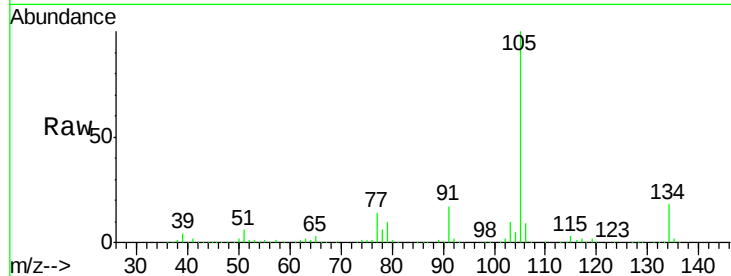
#85
 sec-Butylbenzene
 Concen: 19.354 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX012344.D
 Acq: 12 Sep 2019 12:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	153621		
134	19.1	9.9	29.7	

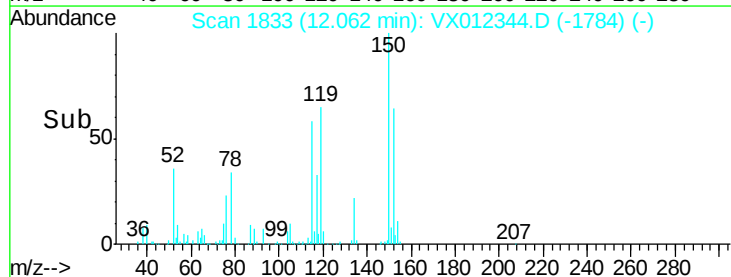
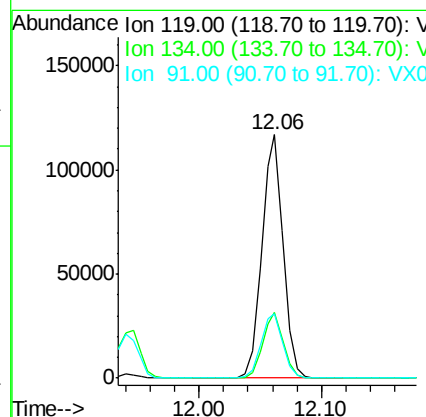
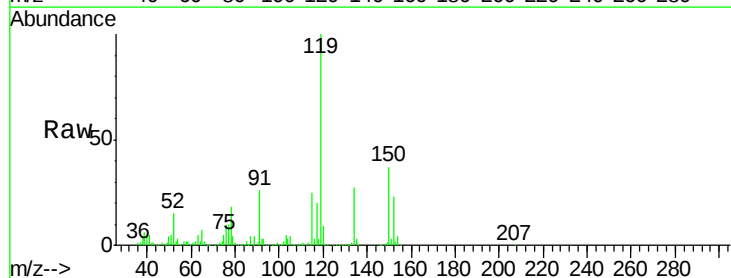
Manual Integrations
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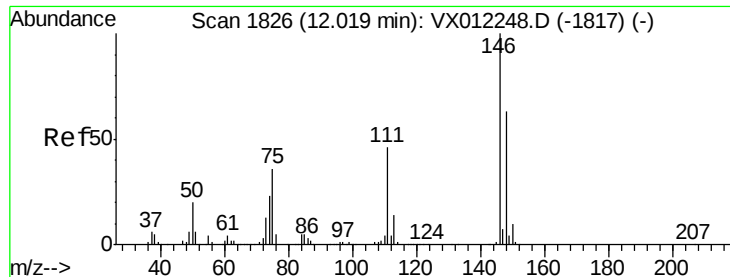
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 9/13/2019 10:12:03 AM



#86
 p-Isopropyltoluene
 Concen: 19.318 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX012344.D
 Acq: 12 Sep 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	141680		
134	26.3	12.9	38.7	
91	27.4	13.1	39.1	





#87

1,3-Dichlorobenzene

Concen: 20.447 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VX012344.D

Acq: 12 Sep 2019 12:41

Instrument :

MSVOA_X

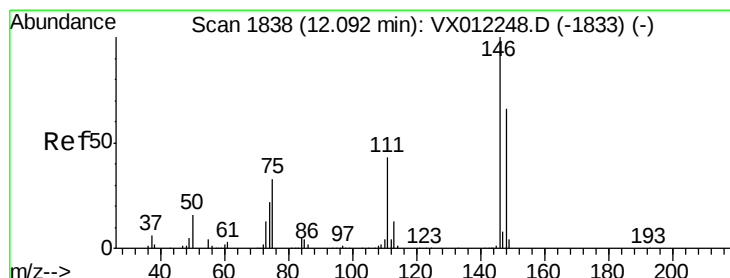
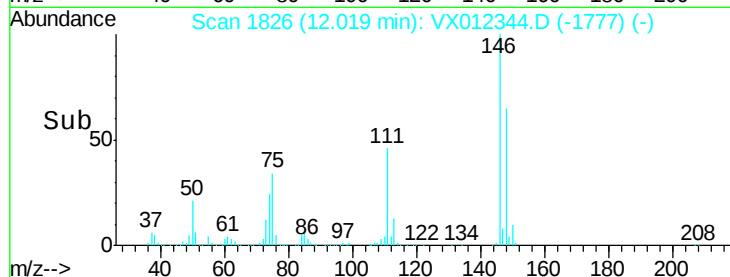
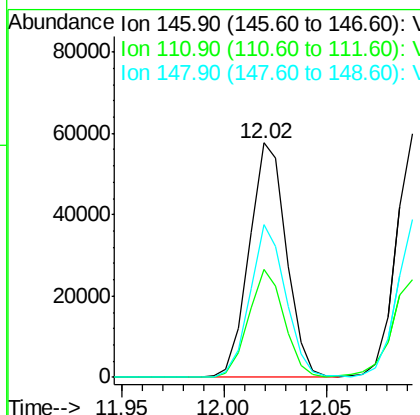
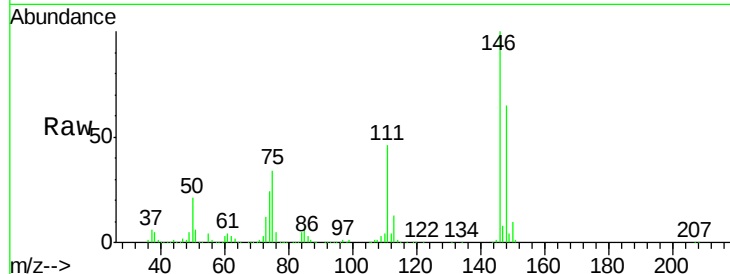
ClientSampleId :

VX0912SBSD01

Tot Ion:	146	Resp:	73055
Ion Ratio	Lower	Upper	
146	100		
111	44.4	22.3	66.8
148	62.7	31.5	94.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.099 ug/l

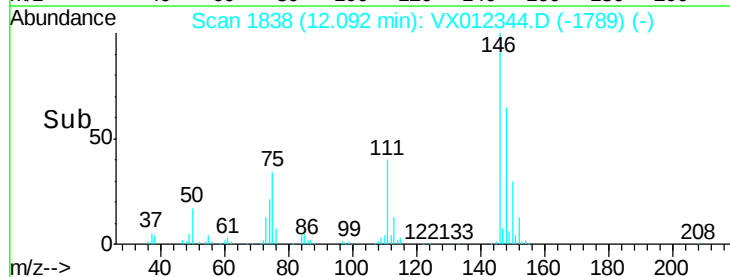
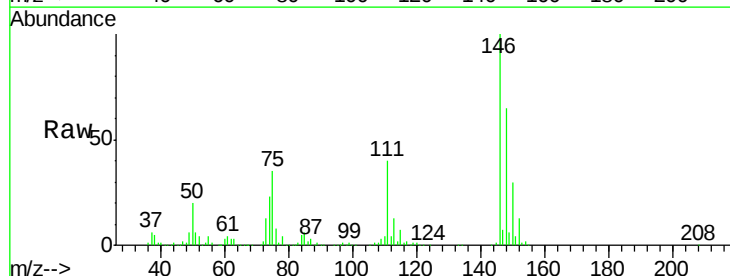
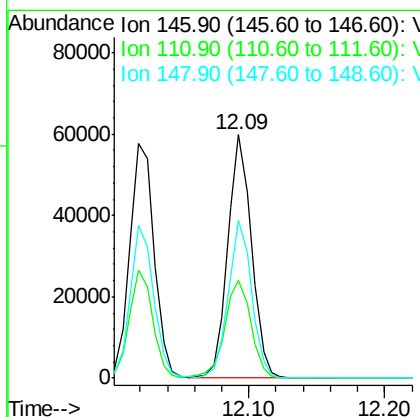
RT: 12.09 min Scan# 1838

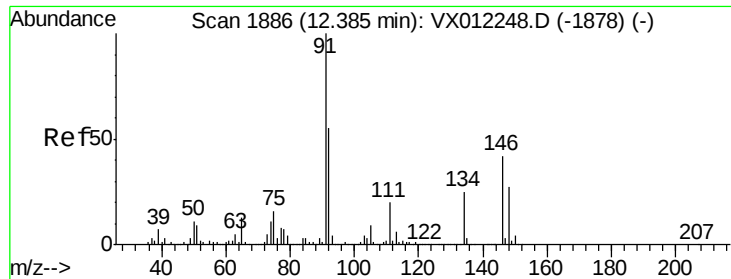
Delta R.T. -0.00 min

Lab File: VX012344.D

Acq: 12 Sep 2019 12:41

Tgt Ion:	146	Resp:	72616
Ion Ratio	Lower	Upper	
146	100		
111	44.5	21.6	64.8
148	63.9	32.4	97.2





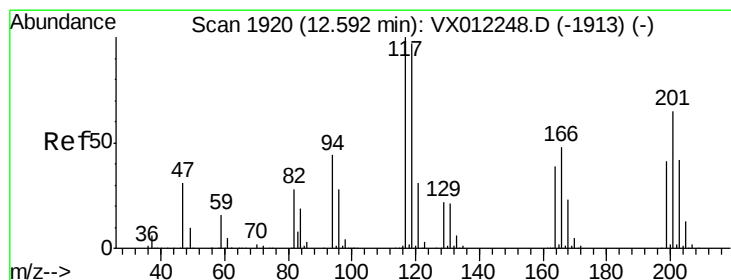
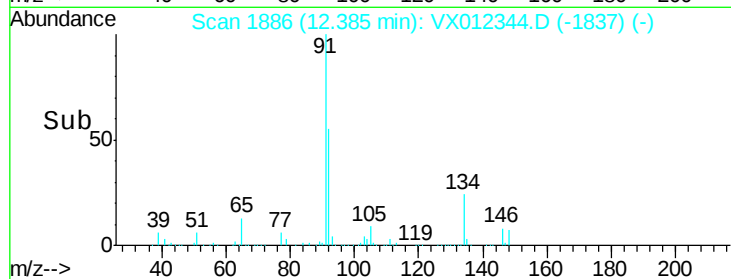
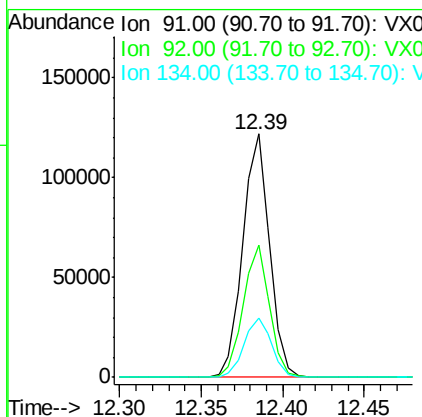
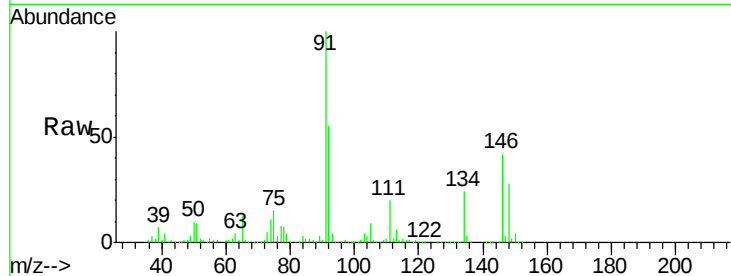
#89
n-Butylbenzene
Concen: 19.415 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012344.D
Acq: 12 Sep 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	139562		
92	53.7		27.6	82.7
134	25.3		12.5	37.5

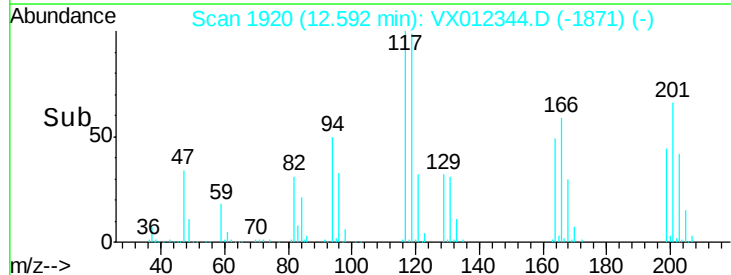
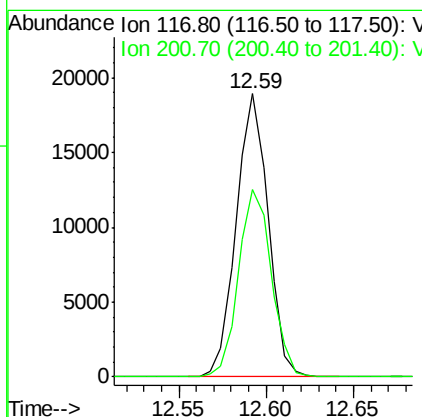
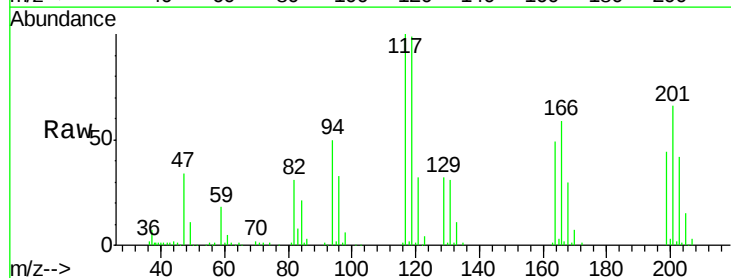
Manual Integrations
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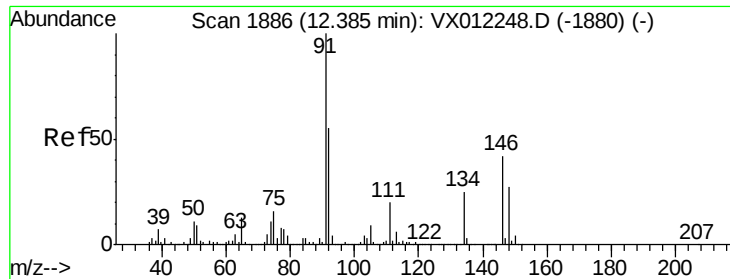
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#90
Hexachloroethane
Concen: 17.781 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012344.D
Acq: 12 Sep 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	24020		
201	68.2		32.2	96.6





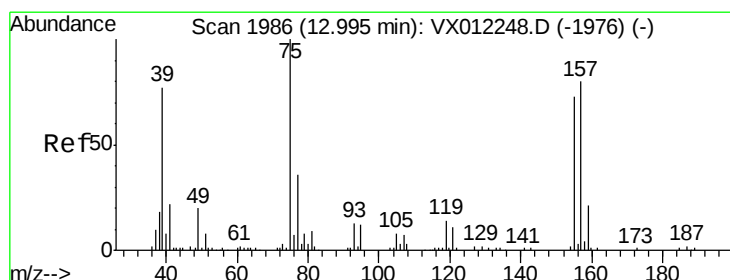
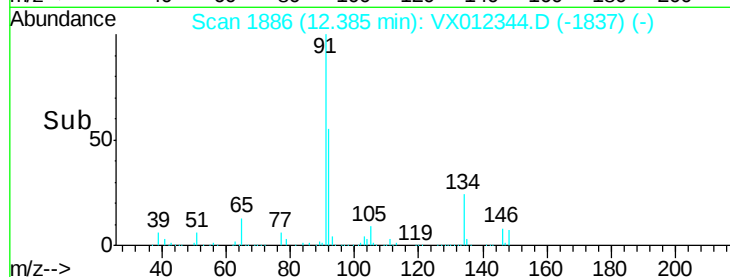
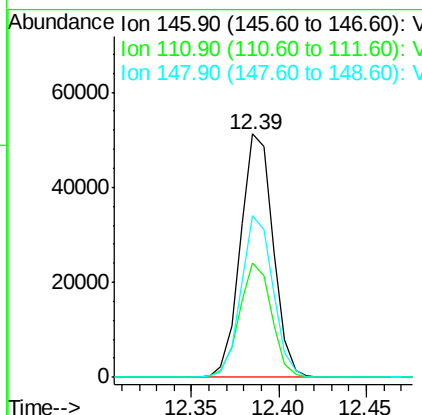
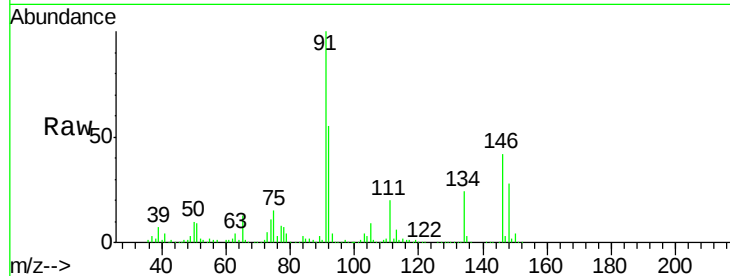
#91
 1,2-Dichlorobenzene
 Concen: 20.097 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012344.D
 Acq: 12 Sep 2019 12:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.4	23.2	69.6
148	65.0	32.4	97.0

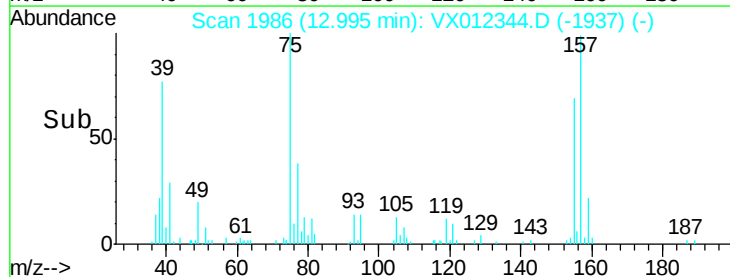
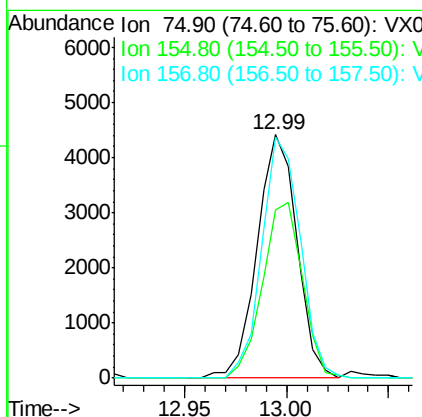
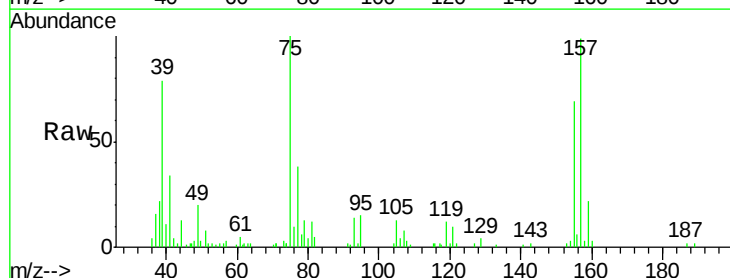
Manual Integrations
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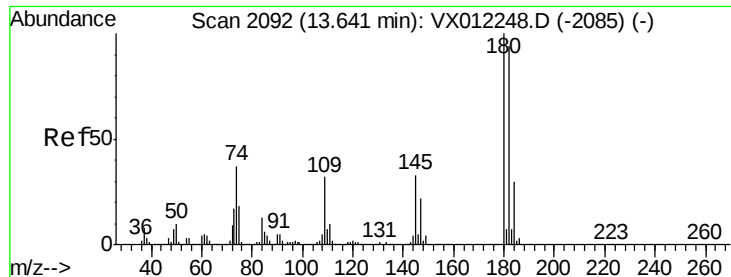
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.942 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012344.D
 Acq: 12 Sep 2019 12:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.7	35.3	105.7
157	95.9	43.2	129.6





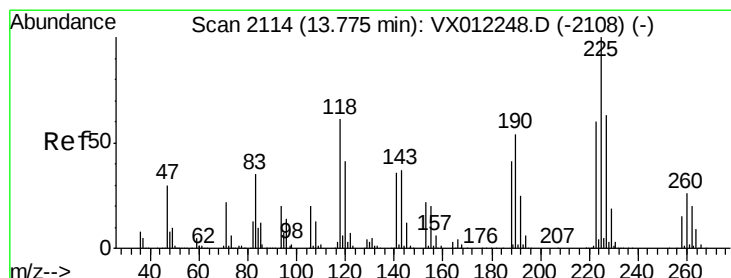
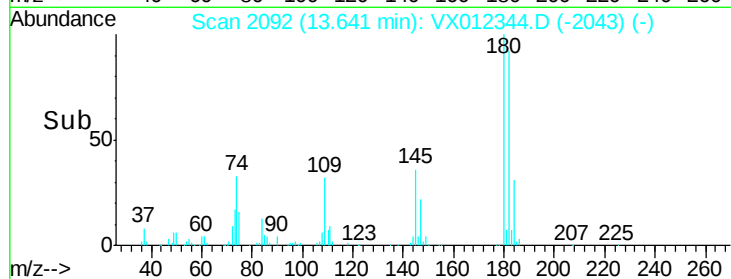
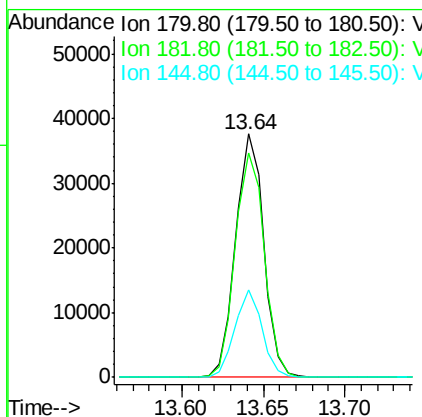
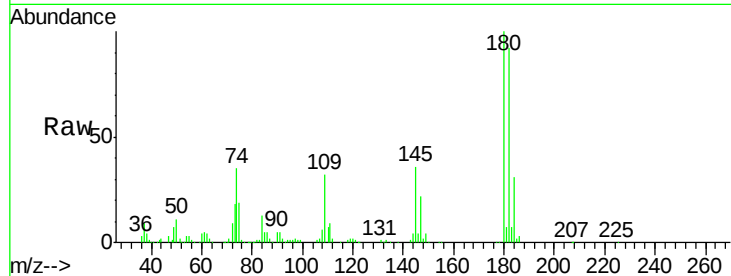
#93
 1,2,4-Trichlorobenzene
 Concen: 19.750 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012344.D
 Acq: 12 Sep 2019 12:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	46.9	140.8
145	34.8	17.1	51.2

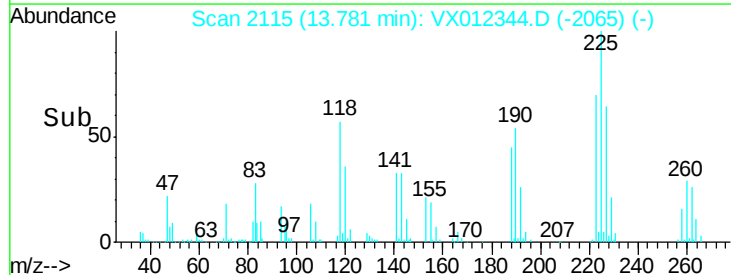
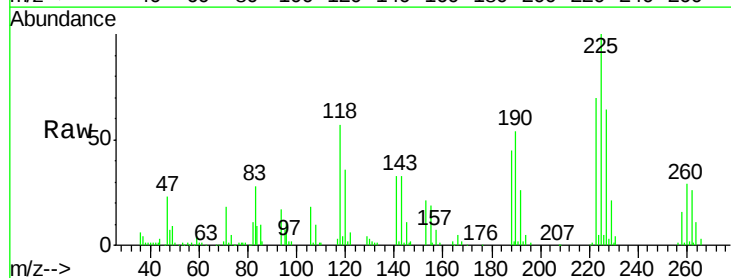
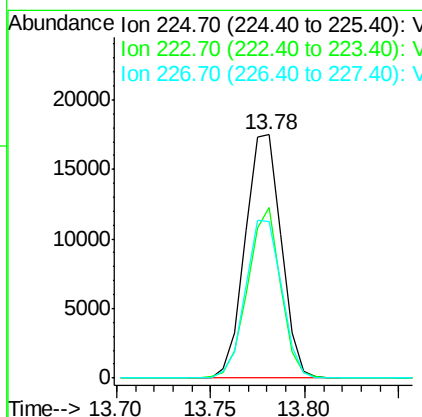
Manual Integrations
 APPROVED

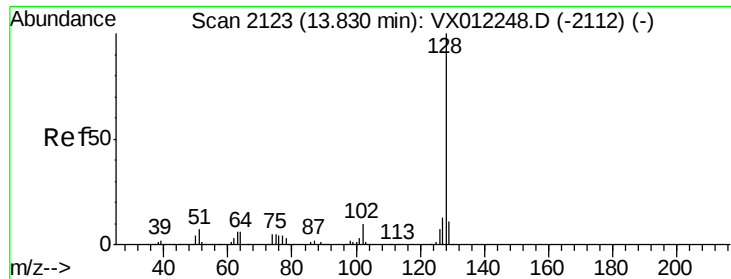
MMDadoda
 9/13/2019 10:12:03 AM



#94
 Hexachlorobutadiene
 Concen: 20.488 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.01 min
 Lab File: VX012344.D
 Acq: 12 Sep 2019 12:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	32.1	96.5
227	64.6	32.5	97.5





#95

Naphthalene

Concen: 19.862 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX012344.D

Acq: 12 Sep 2019 12:41

Instrument :

MSVOA_X

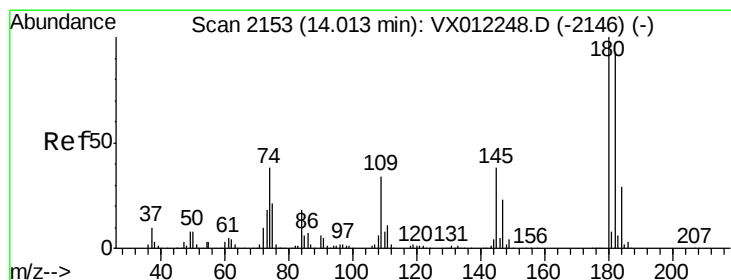
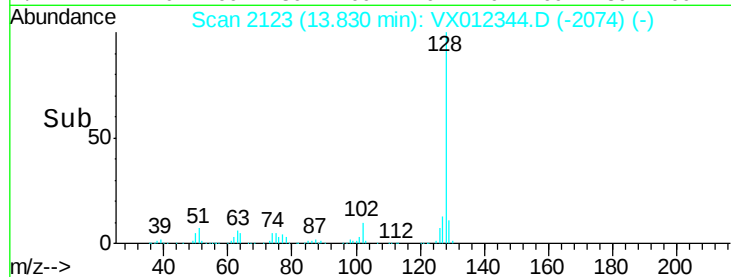
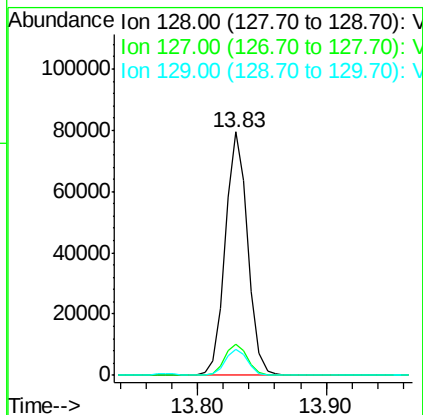
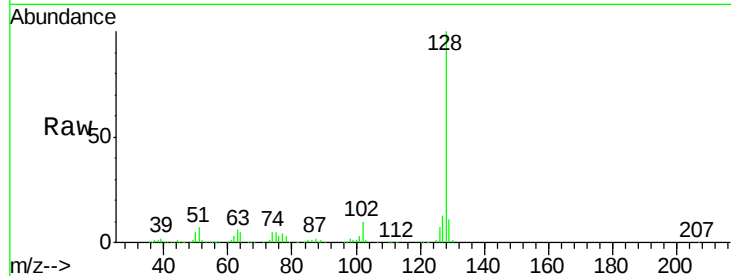
ClientSampleId :

VX0912SBS01

Tot Ion:	128	Resp:	97290
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	11.0	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
9/13/2019 10:12:03 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.114 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VX012344.D

Acq: 12 Sep 2019 12:41

Tgt Ion:	180	Resp:	40621
Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.0	141.0
145	38.0	18.6	55.8

