

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091119\
 Data File : VX012297.D
 Acq On : 11 Sep 2019 12:49
 Operator : SY/SP
 Sample : VX0911SBSD01
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 9:26:28 AM

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	104370	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	182149	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	166244	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	84953	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	82595	55.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.94%	
35) Dibromofluoromethane	5.48	113	61884	53.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.00%	
50) Toluene-d8	8.71	98	240863	58.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.62%	
62) 4-Bromofluorobenzene	11.14	95	101952	53.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	20402	23.909	ug/l	96
3) Chloromethane	1.31	50	18295	23.785	ug/l	93
4) Vinyl Chloride	1.40	62	17965	23.556	ug/l	96
5) Bromomethane	1.62	94	8480	25.130	ug/l	100
6) Chloroethane	1.70	64	10930	21.432	ug/l	98
7) Trichlorofluoromethane	1.91	101	31842	23.070	ug/l	98
8) Diethyl Ether	2.17	74	10962	23.275	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	22989	24.713	ug/l	98
10) Methyl Iodide	2.50	142	13559	15.314	ug/l	100
11) Tert butyl alcohol	3.03	59	18162m	110.769	ug/l	
12) 1,1-Dichloroethene	2.36	96	18649	23.613	ug/l	95
13) Acrolein	2.28	56	9745	126.336	ug/l	98
14) Allyl chloride	2.71	41	34669	21.532	ug/l	98
15) Acrylonitrile	3.13	53	38609	132.612	ug/l	98
16) Acetone	2.43	43	44147	126.382	ug/l	96
17) Carbon Disulfide	2.55	76	36384	21.939	ug/l	98
18) Methyl Acetate	2.76	43	19295	26.280	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	70551	22.621	ug/l	99
20) Methylene Chloride	2.84	84	24941	21.377	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	21374	22.684	ug/l	94
22) Diisopropyl ether	3.84	45	77550	21.060	ug/l	94
23) Vinyl Acetate	3.80	43	262929	116.377	ug/l	99
24) 1,1-Dichloroethane	3.68	63	43726	22.168	ug/l	99
25) 2-Butanone	4.65	43	59010	132.147	ug/l	95
26) 2,2-Dichloropropane	4.57	77	39941	21.568	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	26649	21.907	ug/l	99
28) Bromochloromethane	5.00	49	19460	21.036	ug/l #	99
29) Tetrahydrofuran	5.12	42	32618	135.382	ug/l	99
30) Chloroform	5.20	83	48468	21.791	ug/l	96
31) Cyclohexane	5.56	56	31594	23.059	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	41748	21.859	ug/l	99
36) 1,1-Dichloropropene	5.78	75	29711	22.370	ug/l	93
37) Ethyl Acetate	4.82	43	21883	26.653	ug/l	100
38) Carbon Tetrachloride	5.77	117	34746	22.298	ug/l	96

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	34272	23.513	ug/l	98
40) Benzene	6.13	78	89524	22.271	ug/l	98
41) Methacrylonitrile	5.03	41	12753	25.196	ug/l	97
42) 1,2-Dichloroethane	6.18	62	36992	23.284	ug/l	99
43) Isopropyl Acetate	6.43	43	42615	24.619	ug/l	99
44) Trichloroethene	7.20	130	25171	23.138	ug/l	96
45) 1,2-Dichloropropane	7.51	63	24825	22.311	ug/l	94
46) Dibromomethane	7.65	93	14059	23.119	ug/l	98
47) Bromodichloromethane	7.89	83	34447	20.757	ug/l	92
48) Methyl methacrylate	7.76	41	20461	24.695	ug/l	99
49) 1,4-Dioxane	7.74	88	5907	528.343	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	120827	132.258	ug/l	99
52) Toluene	8.78	92	59500	22.409	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	34854	21.042	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	39262	21.376	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	22544	23.929	ug/l	99
56) Ethyl methacrylate	9.17	69	29832	23.386	ug/l	98
57) 1,3-Dichloropropane	9.37	76	37529	23.323	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	78905	120.688	ug/l	100
59) 2-Hexanone	9.48	43	86679	136.457	ug/l	98
60) Dibromochloromethane	9.57	129	23347	21.227	ug/l	97
61) 1,2-Dibromoethane	9.67	107	20893	23.824	ug/l	99
64) Tetrachloroethene	9.33	164	19921	22.658	ug/l	97
65) Chlorobenzene	10.14	112	68269	22.475	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	23630	20.636	ug/l	97
67) Ethyl Benzene	10.25	91	120774	22.355	ug/l	98
68) m/p-Xylenes	10.35	106	91269	45.893	ug/l	98
69) o-Xylene	10.70	106	43890	22.528	ug/l	100
70) Styrene	10.71	104	75381	21.817	ug/l	100
71) Bromoform	10.85	173	13495	22.727	ug/l #	97
73) Isopropylbenzene	11.01	105	121526	21.729	ug/l	99
74) N-amyl acetate	10.89	43	38759	23.308	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	29463	24.530	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	27184m	24.909	ug/l	
77) Bromobenzene	11.25	156	28097	21.821	ug/l	98
78) n-propylbenzene	11.35	91	144119	21.339	ug/l	99
79) 2-Chlorotoluene	11.42	91	89585	21.410	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	110653	22.001	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	7452	20.459	ug/l	87
82) 4-Chlorotoluene	11.51	91	108154	21.508	ug/l	100
83) tert-Butylbenzene	11.76	119	105258	21.553	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	110844	21.319	ug/l	99
85) sec-Butylbenzene	11.94	105	124156	21.307	ug/l	99
86) p-Isopropyltoluene	12.06	119	115454	21.444	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	56991	21.727	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	59229	22.331	ug/l	98
89) n-Butylbenzene	12.39	91	116765	22.127	ug/l	98
90) Hexachloroethane	12.59	117	19352	19.514	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	52863	21.787	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	6207	25.317	ug/l	96

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VX0911SBSD01

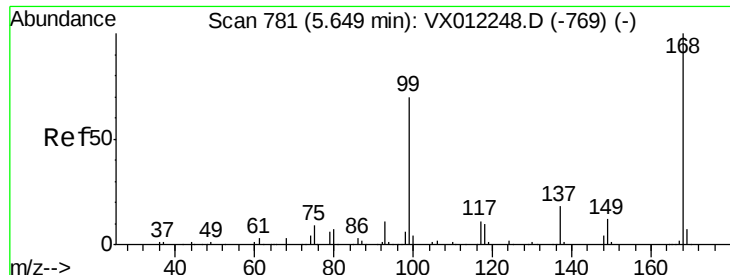
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Sep 10 12:55:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	37005	22.084	ug/l	98
94) Hexachlorobutadiene	13.78	225	18787	22.537	ug/l	96
95) Naphthalene	13.83	128	84820	23.588	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	31802	21.450	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012297.D

Acq: 11 Sep 2019 12:49

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS01

Tot Ion:168 Resp: 104370

Ion Ratio Lower Upper

168 100

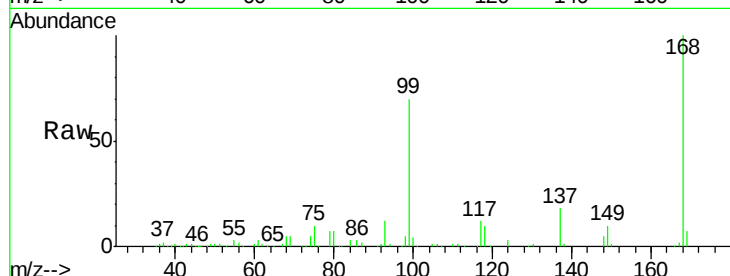
99 69.3 55.8 83.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

40000

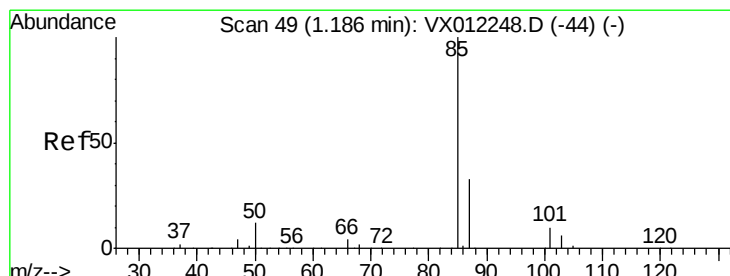
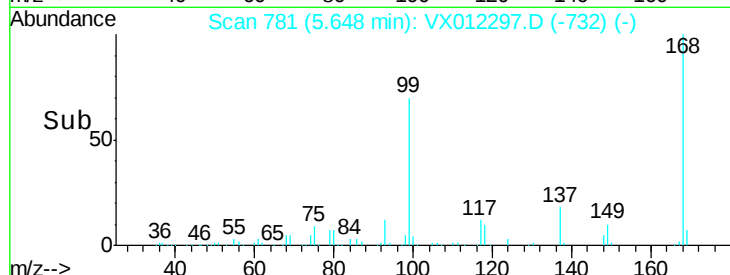
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 23.909 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012297.D

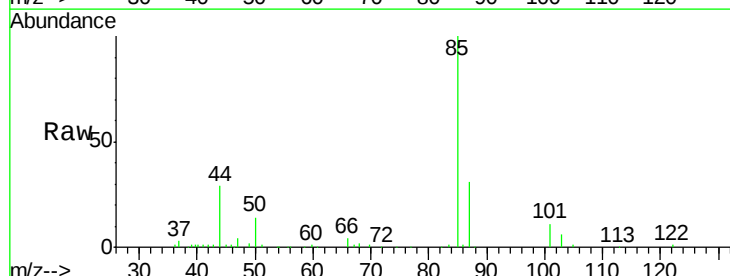
Acq: 11 Sep 2019 12:49

Tgt Ion: 85 Resp: 20402

Ion Ratio Lower Upper

85 100

87 31.1 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

20000

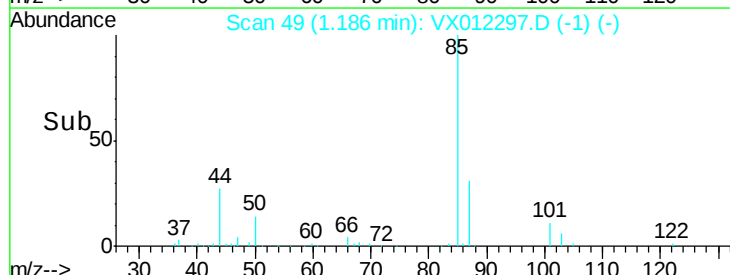
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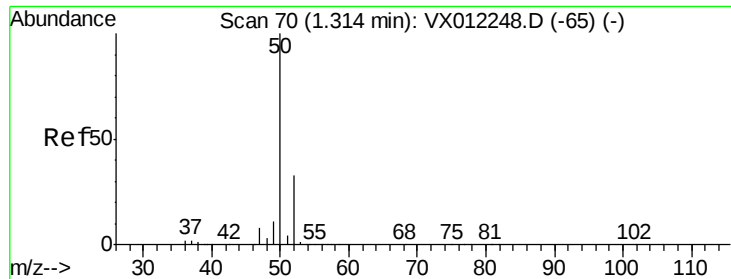
10000

5000

0

Time-->





#3

Chloromethane

Concen: 23.785 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012297.D

Acq: 11 Sep 2019 12:49

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS01

Tot Ion: 50 Resp: 18295

Ion Ratio Lower Upper

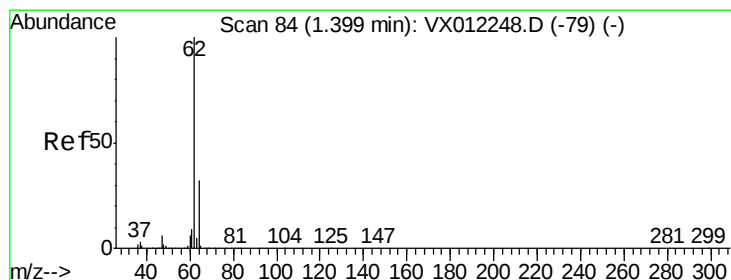
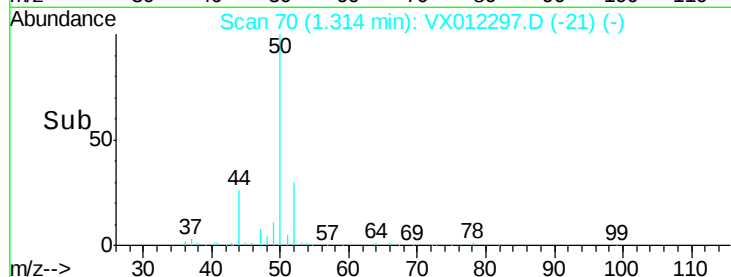
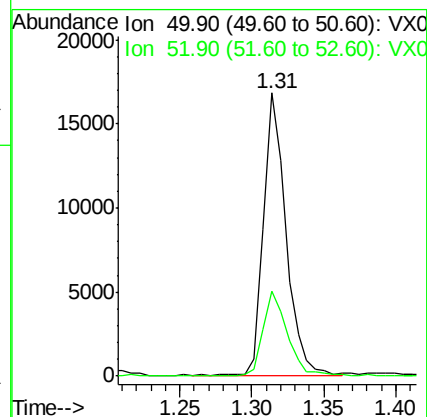
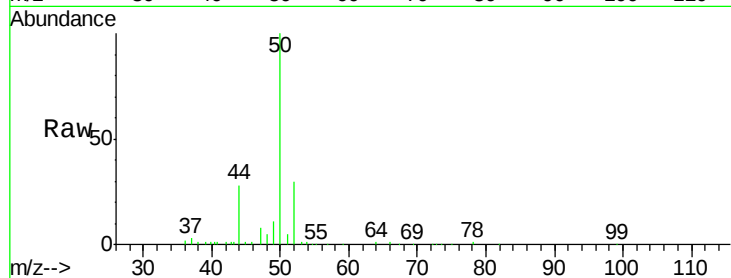
50 100

52 29.5 26.7 40.1

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#4

Vinyl Chloride

Concen: 23.556 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX012297.D

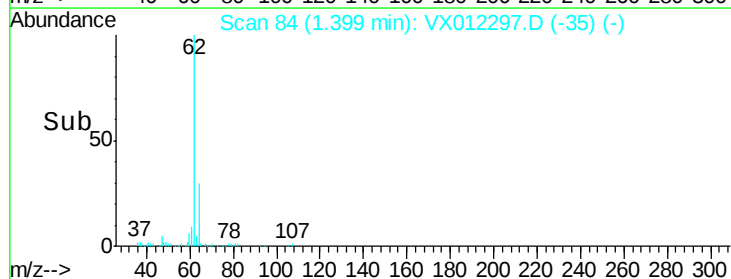
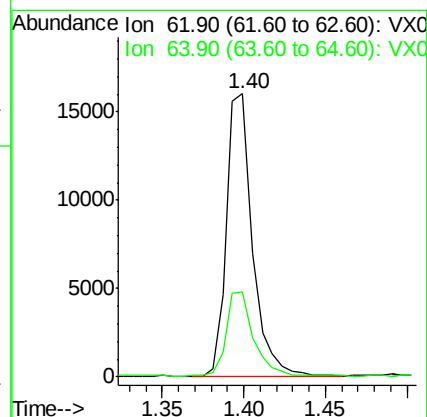
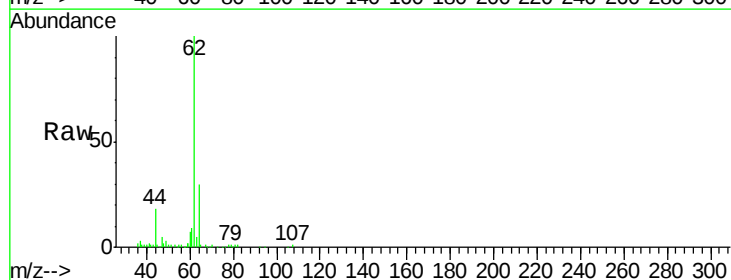
Acq: 11 Sep 2019 12:49

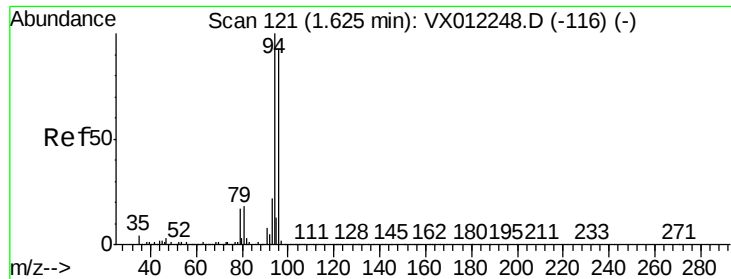
Tgt Ion: 62 Resp: 17965

Ion Ratio Lower Upper

62 100

64 29.4 25.5 38.3





#5

Bromomethane

Concen: 25.130 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012297.D

Acq: 11 Sep 2019 12:49

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS01

Tot Ion: 94 Resp: 8480

Ion Ratio Lower Upper

94 100

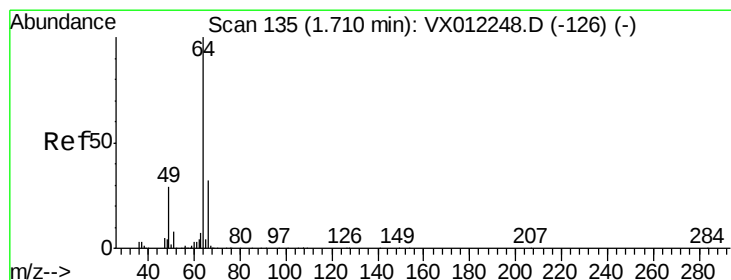
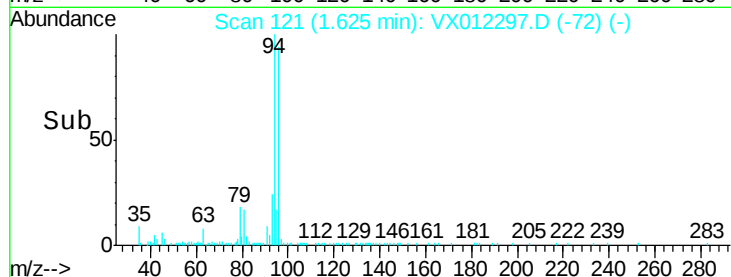
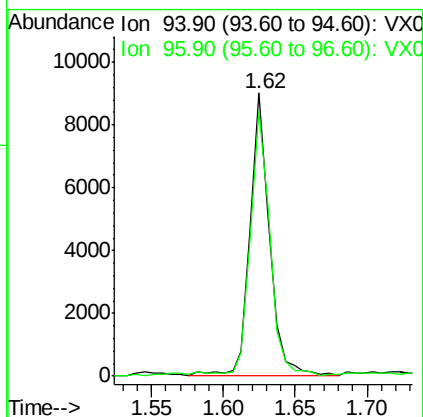
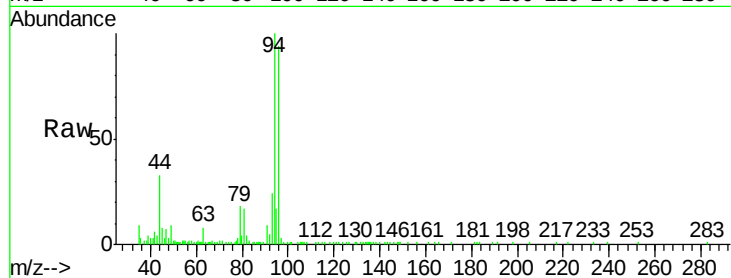
96 92.9 74.0 111.0

Manual Integrations

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#6

Chloroethane

Concen: 21.432 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012297.D

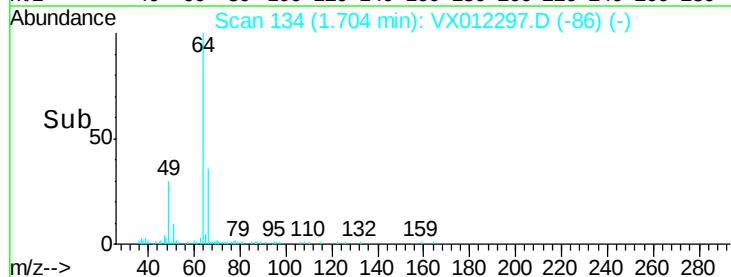
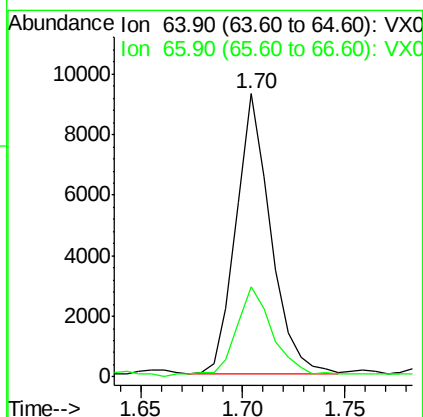
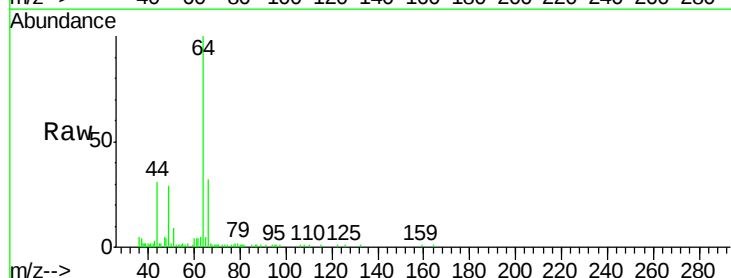
Acq: 11 Sep 2019 12:49

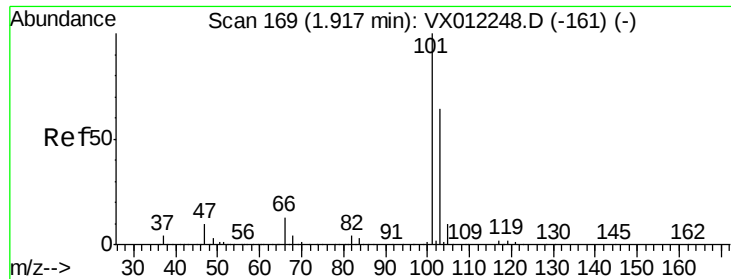
Tgt Ion: 64 Resp: 10930

Ion Ratio Lower Upper

64 100

66 31.3 25.8 38.6





#7

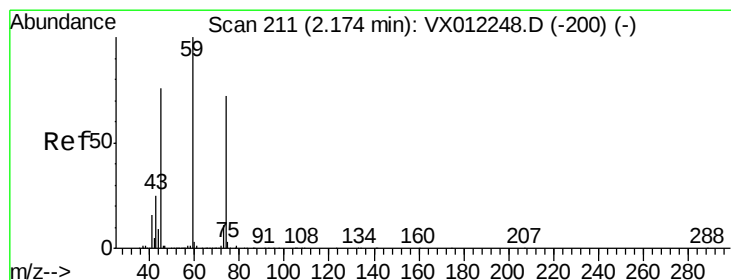
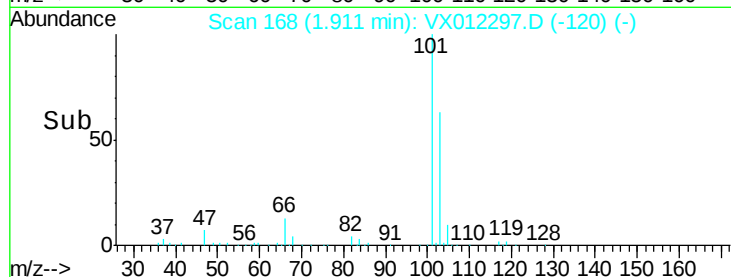
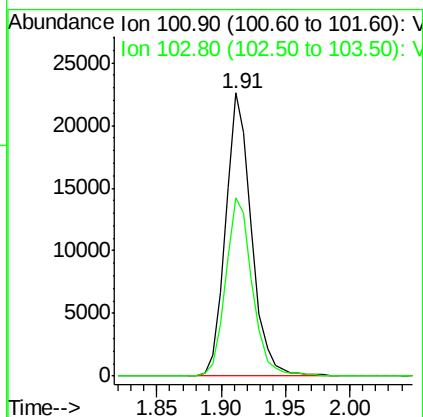
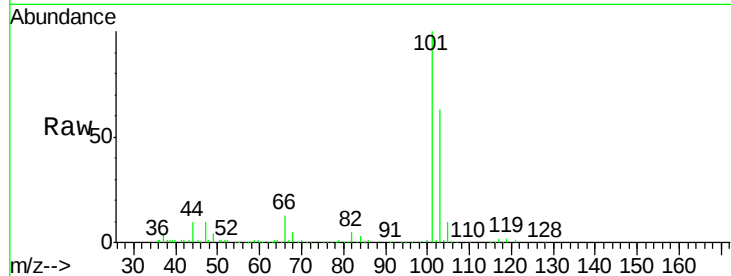
Trichlorofluoromethane
Concen: 23.070 ug/l
RT: 1.91 min Scan# 168
Delta R.T. -0.01 min
Lab File: VX012297.D
Acq: 11 Sep 2019 12:49

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBSD01

Tot Ion:101 Resp: 31842
Ion Ratio Lower Upper
101 100
103 62.9 51.4 77.2

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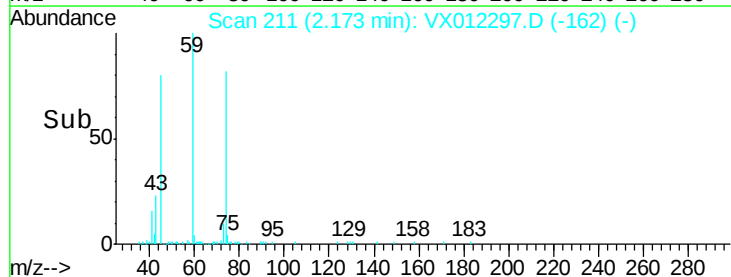
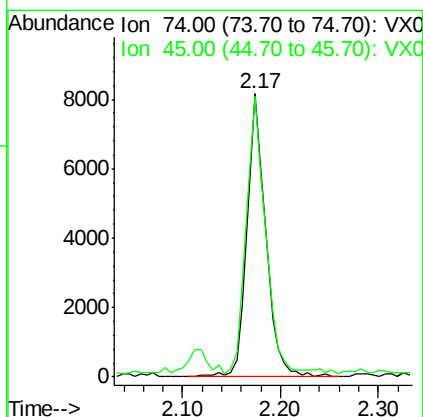
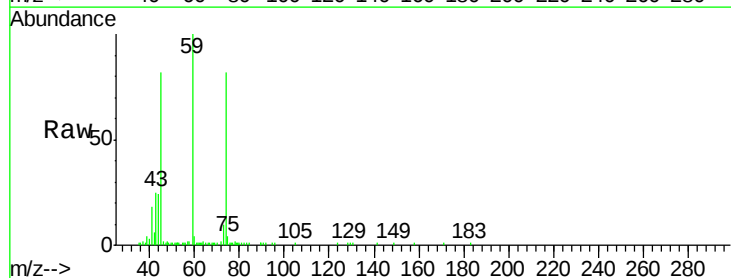
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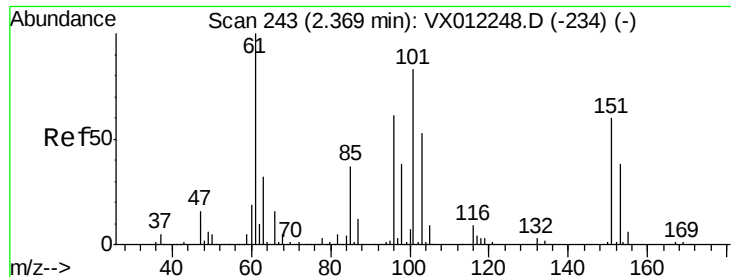


#8

Diethyl Ether
Concen: 23.275 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX012297.D
Acq: 11 Sep 2019 12:49

Tgt Ion: 74 Resp: 10962
Ion Ratio Lower Upper
74 100
45 99.5 51.3 153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.713 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012297.D

Acq: 11 Sep 2019 12:49

Instrument :

MSVOA_X

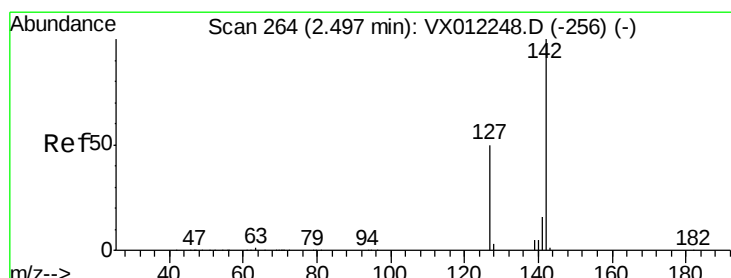
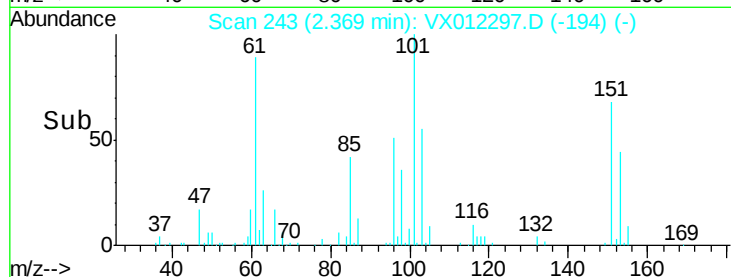
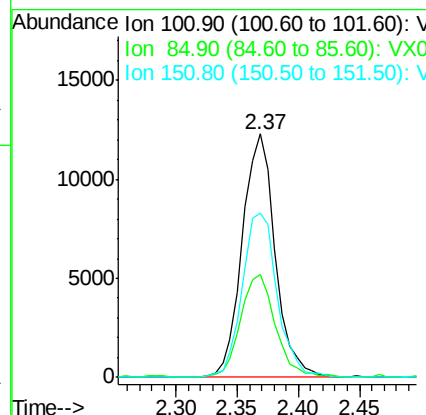
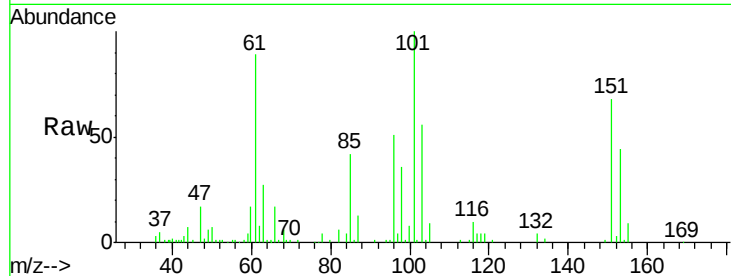
ClientSampleId :

VX0911SBSD01

Tot Ion:	101	Resp:	22989
Ion Ratio	Lower	Upper	
101	100		
85	44.7	37.0	55.6
151	71.8	58.6	87.8

Manual Integrations
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9/12/2019 9:26:28 AM



#10

Methyl Iodide

Concen: 15.314 ug/l

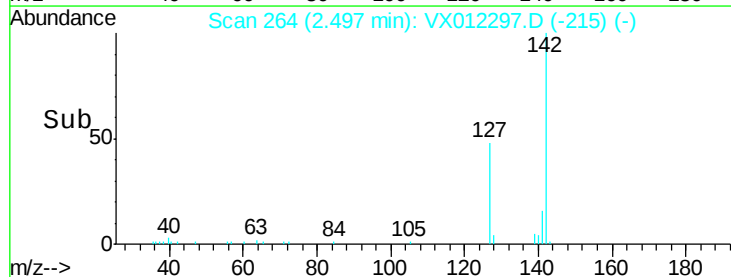
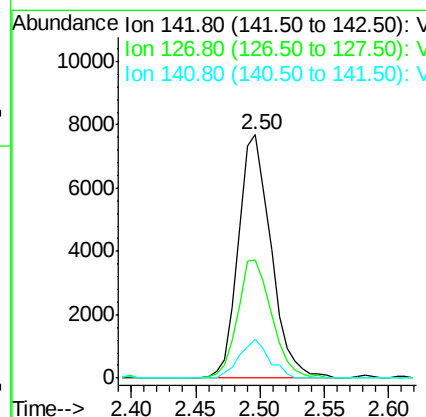
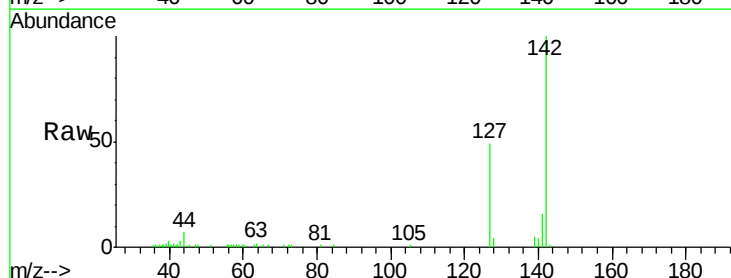
RT: 2.50 min Scan# 264

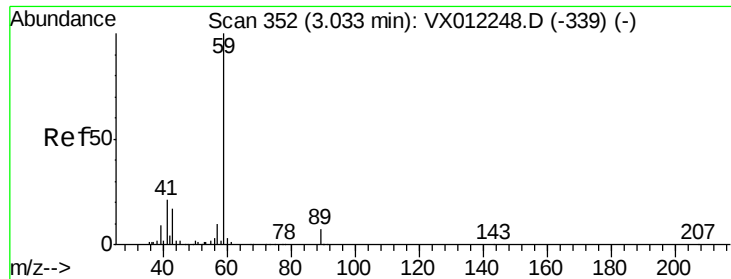
Delta R.T. -0.00 min

Lab File: VX012297.D

Acq: 11 Sep 2019 12:49

Tgt Ion:	142	Resp:	13559
Ion Ratio	Lower	Upper	
142	100		
127	50.6	40.6	61.0
141	14.5	12.0	18.0





#11

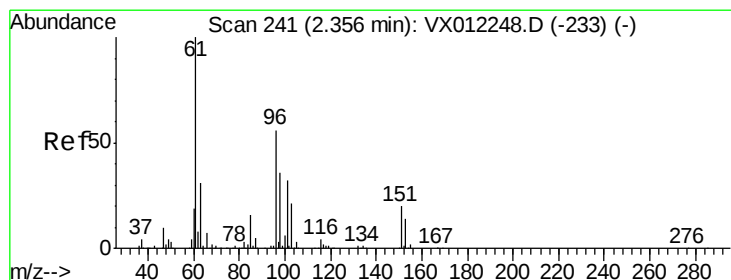
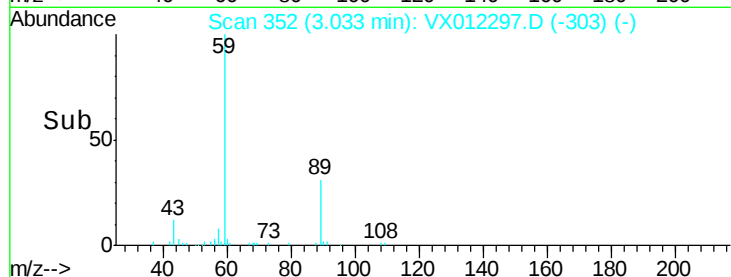
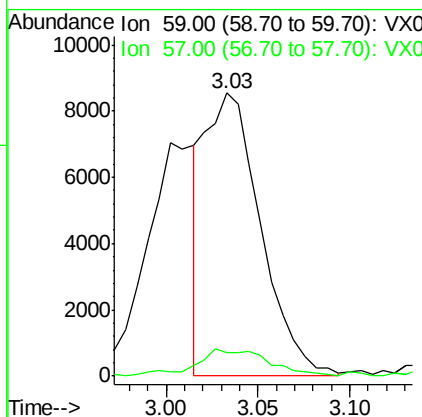
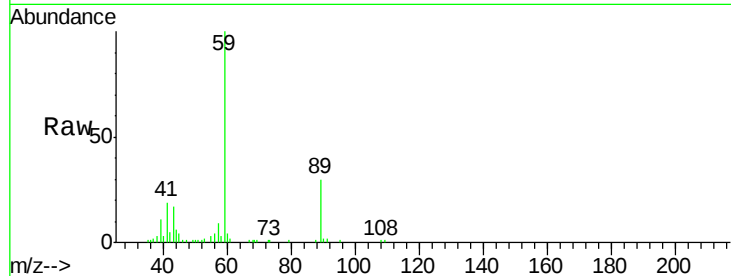
Tert butyl alcohol
 Concen: 110.769 ug/l m
 RT: 3.03 min Scan# 352
 Delta R.T. 0.00 min
 Lab File: VX012297.D
 Acq: 11 Sep 2019 12:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100			
57	12.5		7.8	11.6#

Manual Integrations
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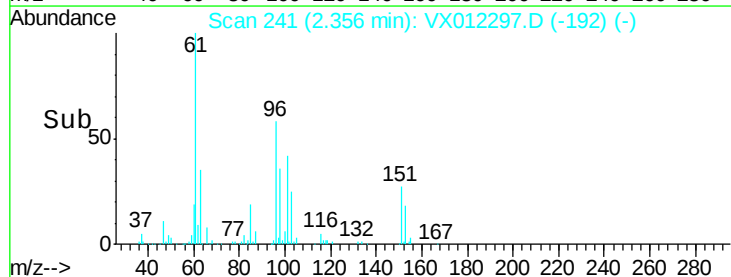
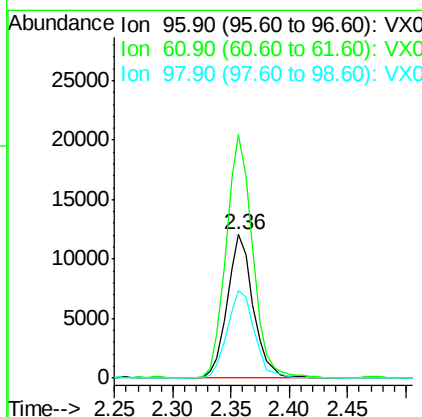
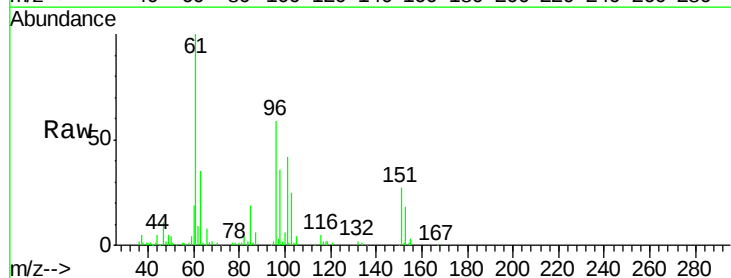
MMDadoda
 9/12/2019 9:26:28 AM

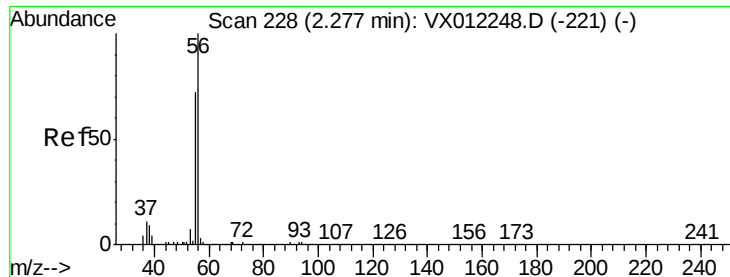


#12

1,1-Dichloroethene
 Concen: 23.613 ug/l
 RT: 2.36 min Scan# 241
 Delta R.T. -0.00 min
 Lab File: VX012297.D
 Acq: 11 Sep 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	170.0		142.2	213.2
98	61.3		51.3	76.9





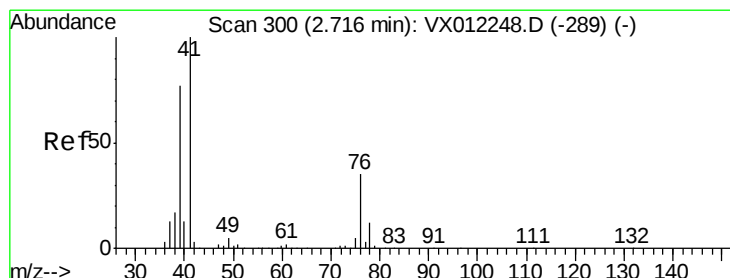
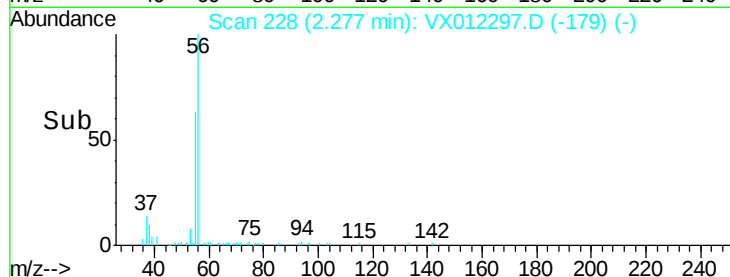
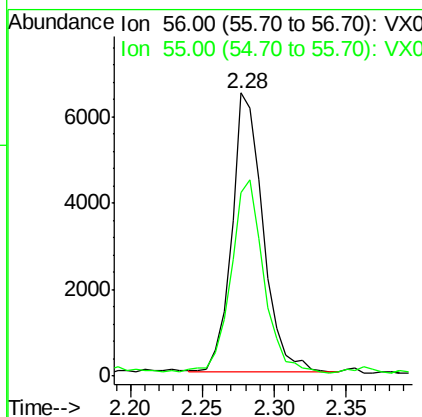
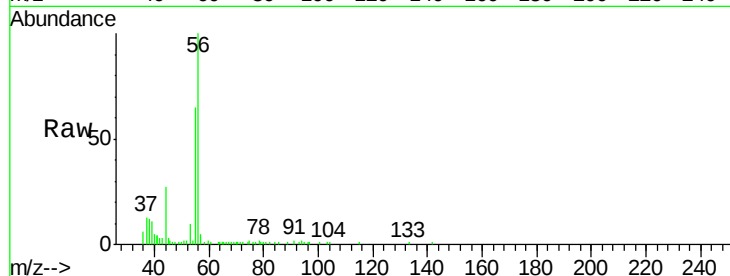
#13
Acrolein
Concen: 126.336 ug/l
RT: 2.28 min Scan# 228
Delta R.T. -0.00 min
Lab File: VX012297.D
Acq: 11 Sep 2019 12:49

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	73.0	59.8	89.6

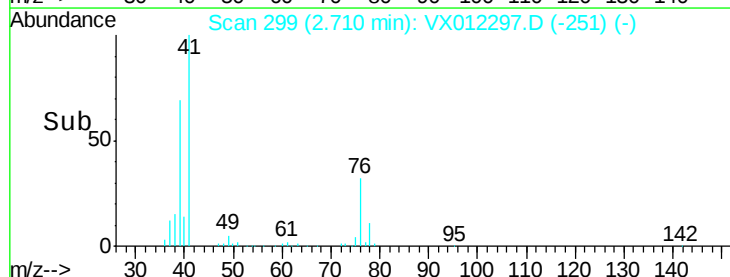
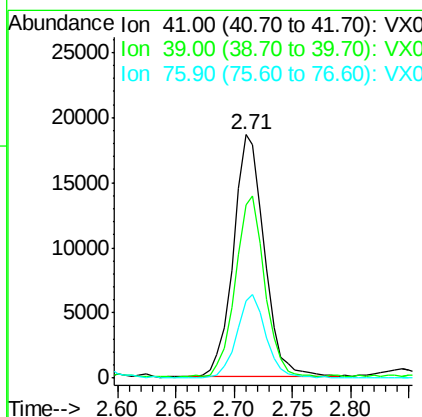
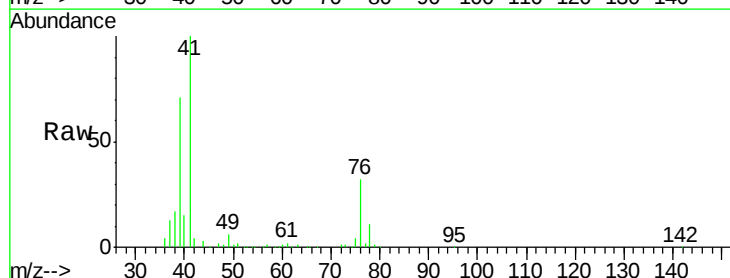
Manual Integrations
APPROVED

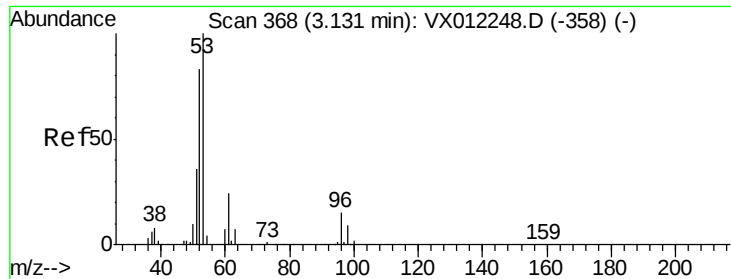
MMDadoda
9/12/2019 9:26:28 AM



#14
Allyl chloride
Concen: 21.532 ug/l
RT: 2.71 min Scan# 299
Delta R.T. -0.01 min
Lab File: VX012297.D
Acq: 11 Sep 2019 12:49

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	71.2	58.6	87.8
76	76	32.6	26.3	39.5





#15

Acrylonitrile

Concen: 132.612 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX012297.D

Acq: 11 Sep 2019 12:49

Instrument :

MSVOA_X

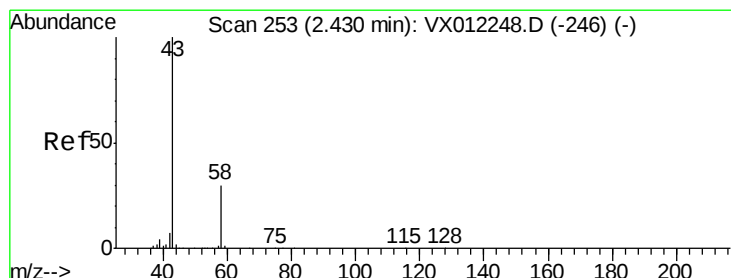
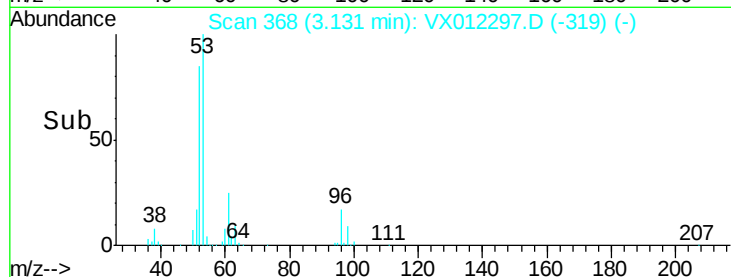
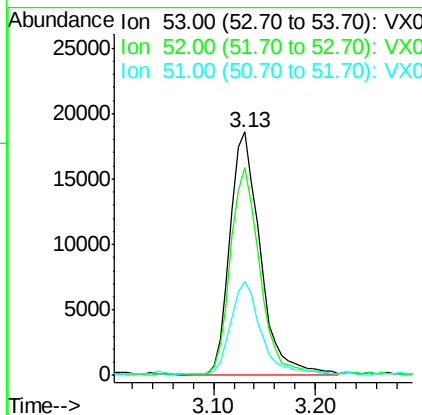
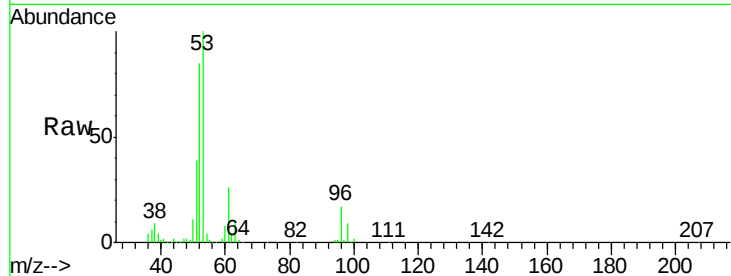
ClientSampleId :

VX0911SBS01

Tot Ion:	53	Resp:	38609
Ion	Ratio	Lower	Upper
53	100		
52	81.0	66.8	100.2
51	38.1	30.7	46.1

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#16

Acetone

Concen: 126.382 ug/l

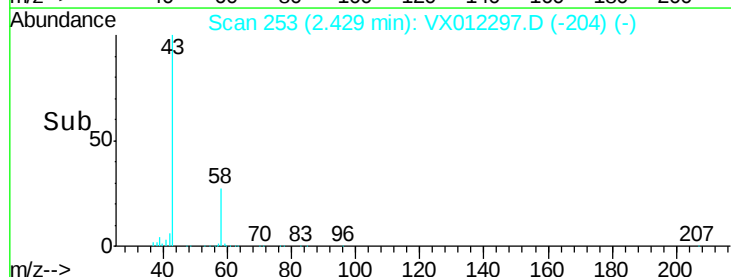
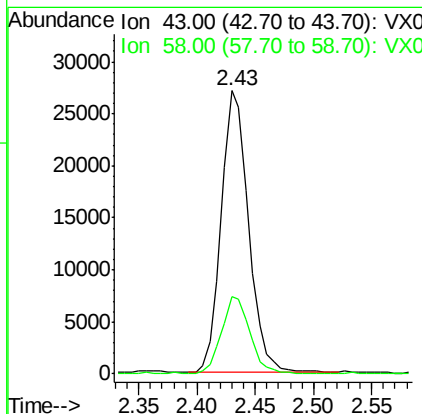
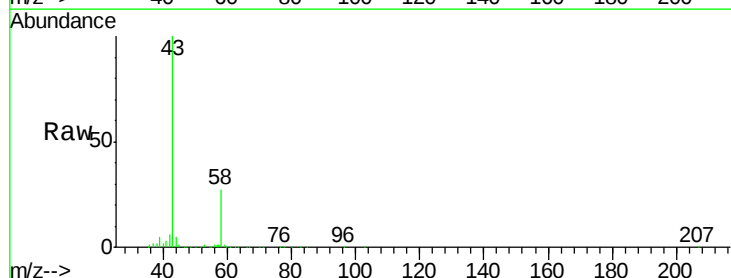
RT: 2.43 min Scan# 253

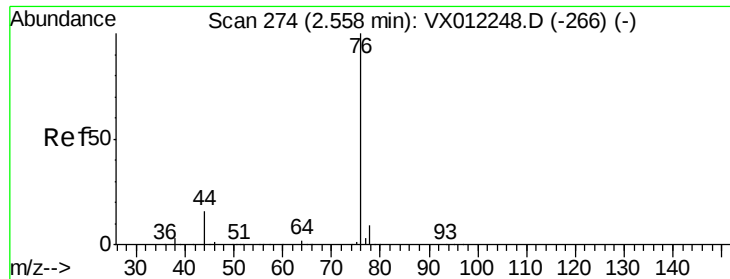
Delta R.T. -0.00 min

Lab File: VX012297.D

Acq: 11 Sep 2019 12:49

Tgt Ion:	43	Resp:	44147
Ion	Ratio	Lower	Upper
43	100		
58	27.6	23.6	35.4





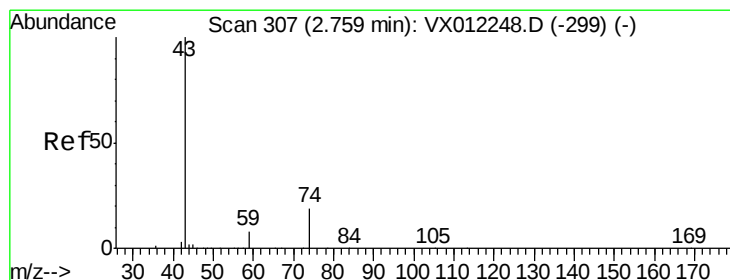
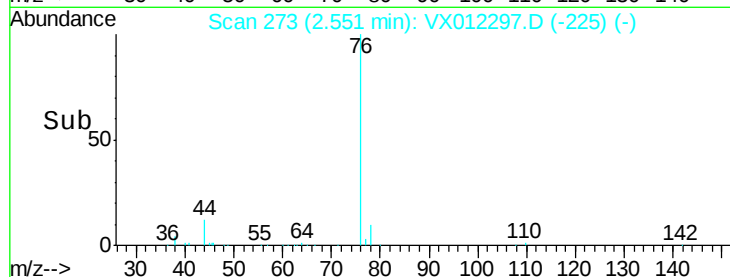
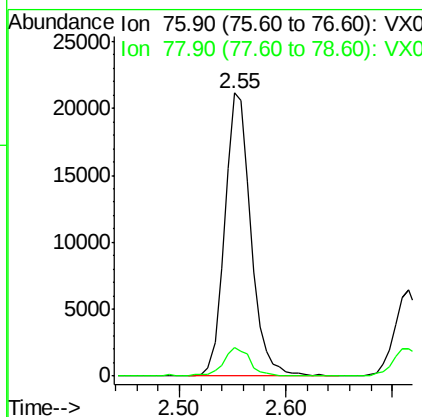
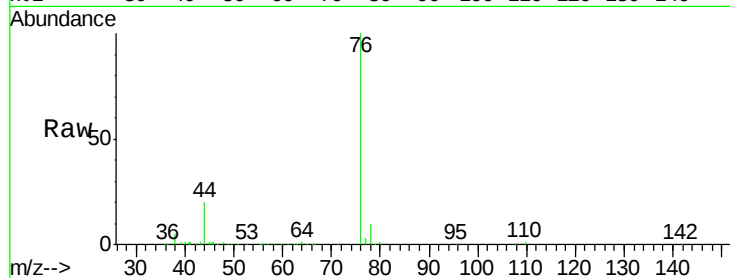
#17
Carbon Disulfide
Concen: 21.939 ug/l
RT: 2.55 min Scan# 273
Delta R.T. -0.01 min
Lab File: VX012297.D
Acq: 11 Sep 2019 12:49

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.0	7.4	11.2

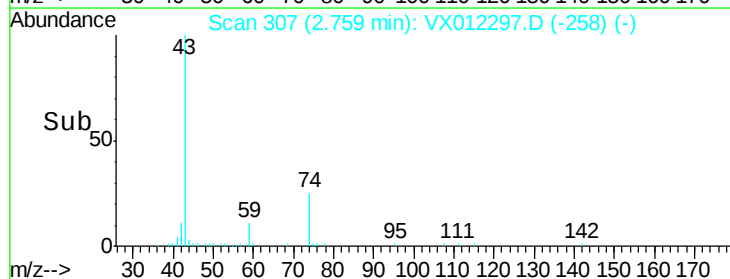
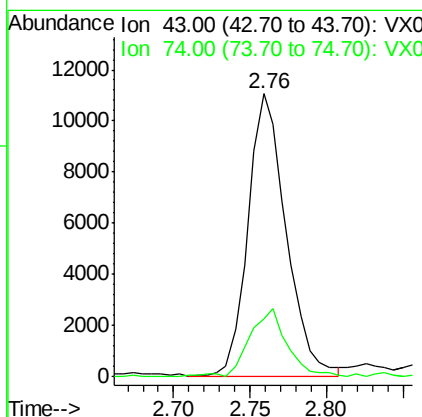
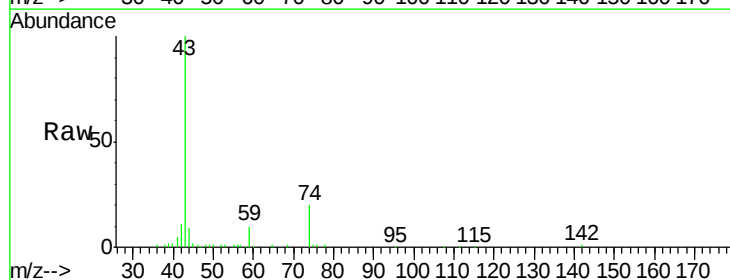
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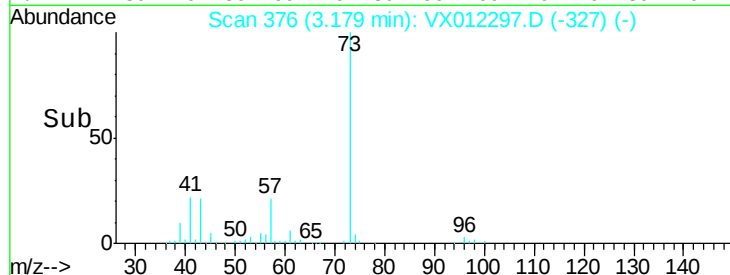
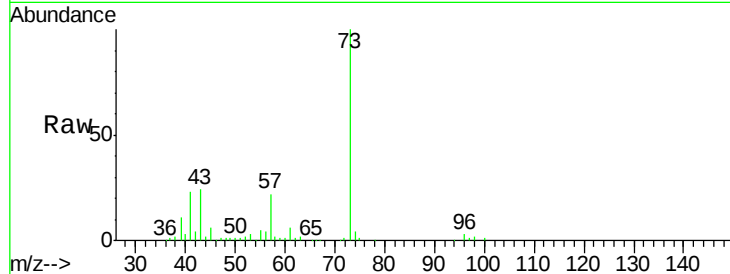
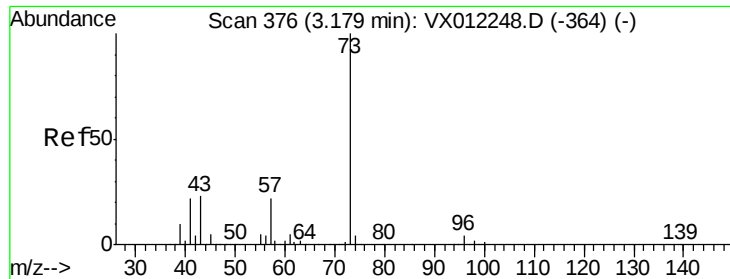
MMDadoda
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#18
Methyl Acetate
Concen: 26.280 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.00 min
Lab File: VX012297.D
Acq: 11 Sep 2019 12:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	18.3	27.5





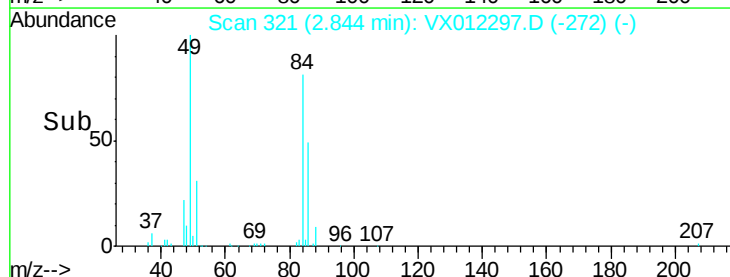
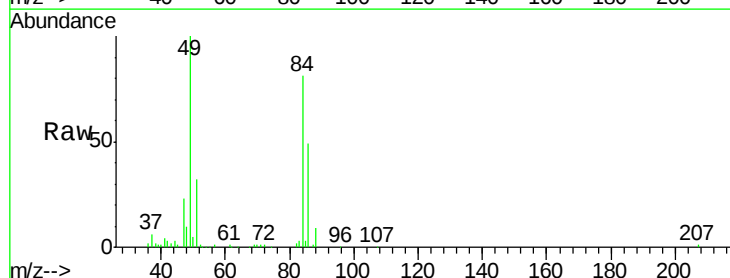
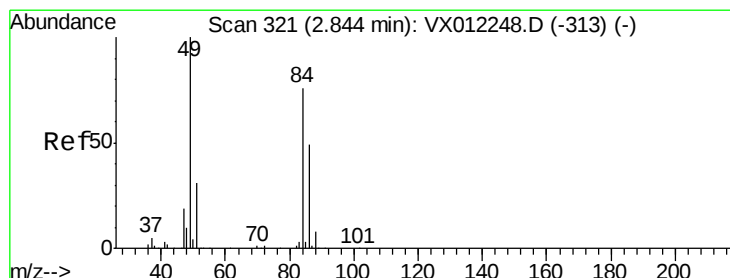
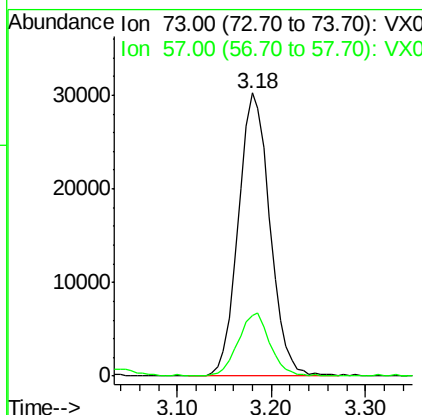
#19
Methyl tert-butyl Ether
Concen: 22.621 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX012297.D
Acq: 11 Sep 2019 12:49

Tot Ion: 73 Resp: 70551
Ion Ratio Lower Upper
73 100
57 21.6 17.7 26.5

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBSD01

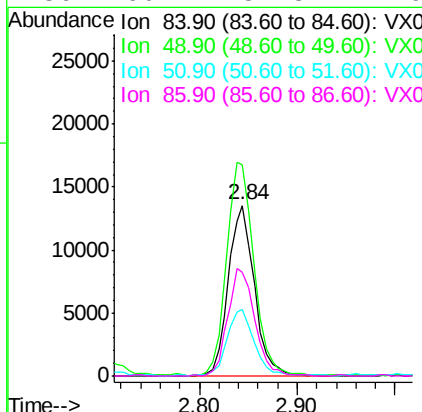
Manual Integrations
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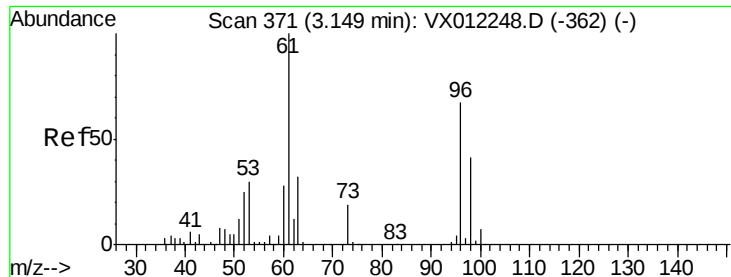
MMDadoda
9/12/2019 9:26:28 AM



#20
Methylene Chloride
Concen: 21.377 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012297.D
Acq: 11 Sep 2019 12:49

Tgt Ion: 84 Resp: 24941
Ion Ratio Lower Upper
84 100
49 123.7 105.0 157.6
51 39.3 32.6 48.8
86 60.7 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 22.684 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX012297.D

Acq: 11 Sep 2019 12:49

Instrument :

MSVOA_X

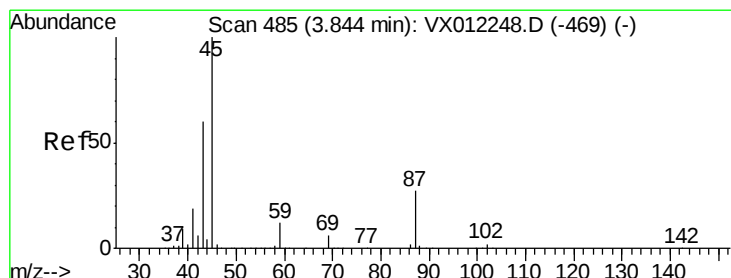
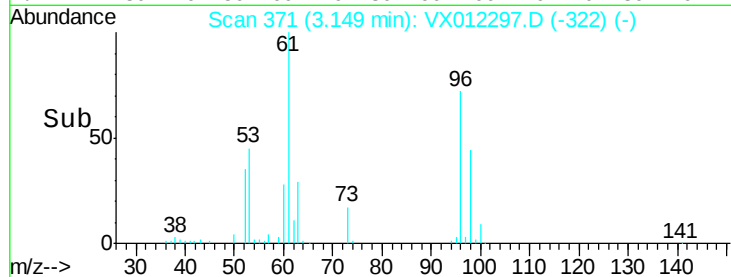
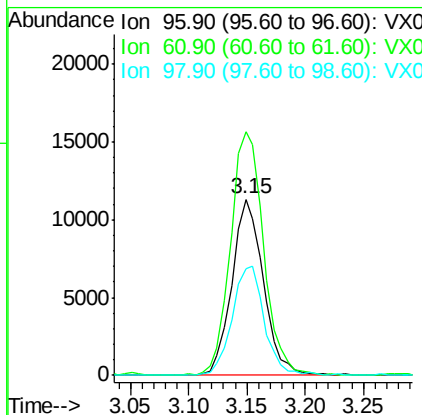
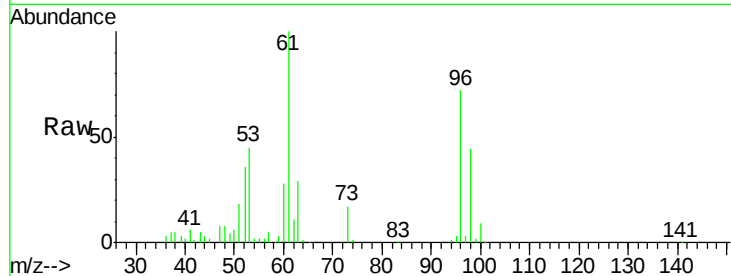
ClientSampleId :

VX0911SBS01

Tot Ion:	96	Resp:	21374
Ion	Ratio	Lower	Upper
96	100		
61	137.9	119.4	179.2
98	60.3	48.4	72.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.060 ug/l

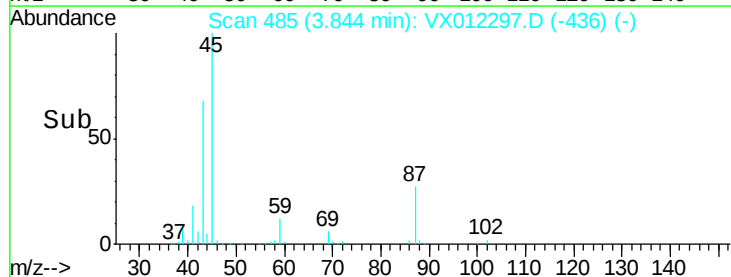
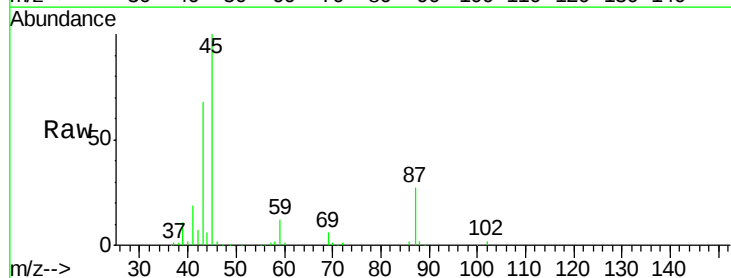
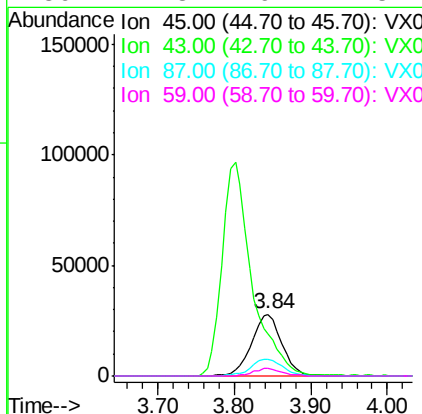
RT: 3.84 min Scan# 485

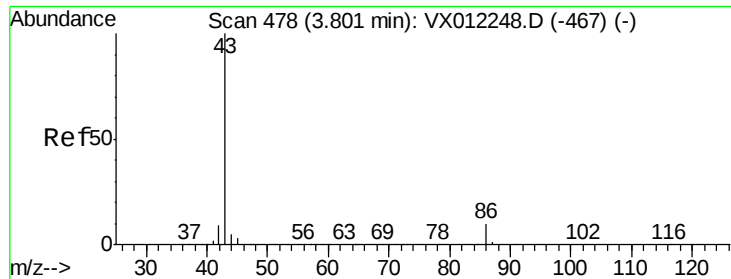
Delta R.T. -0.00 min

Lab File: VX012297.D

Acq: 11 Sep 2019 12:49

Tgt Ion:	45	Resp:	77550
Ion	Ratio	Lower	Upper
45	100		
43	67.7	48.3	72.5
87	26.9	21.8	32.8
59	11.8	9.1	13.7





#23

Vinyl Acetate

Concen: 116.377 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX012297.D

Acq: 11 Sep 2019 12:49

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBSD01

Tot Ion: 43 Resp: 262929

Ion Ratio Lower Upper

43 100

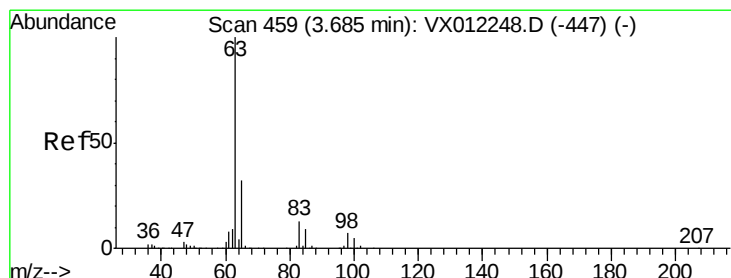
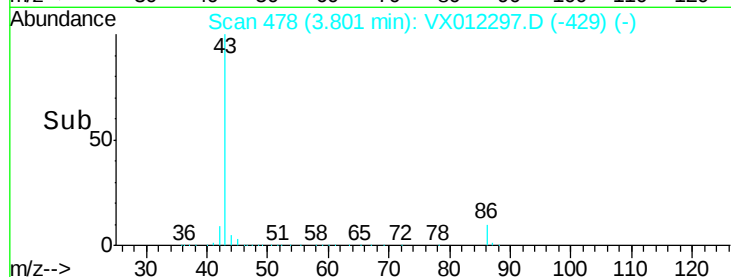
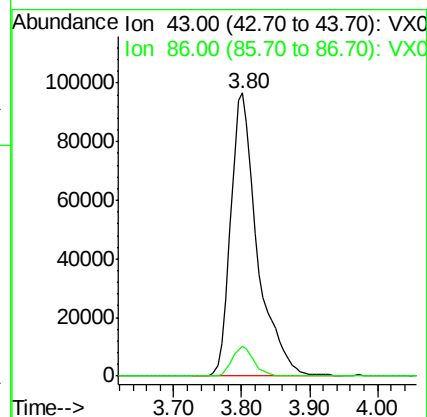
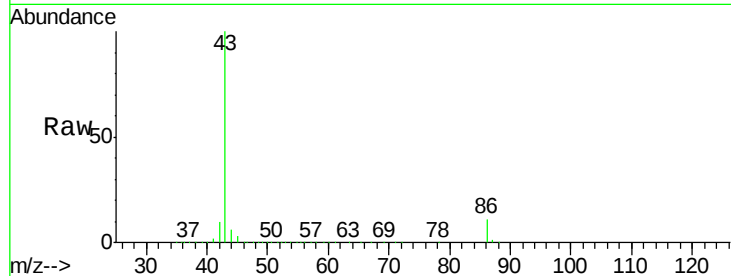
86 10.7 8.3 12.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 22.168 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX012297.D

Acq: 11 Sep 2019 12:49

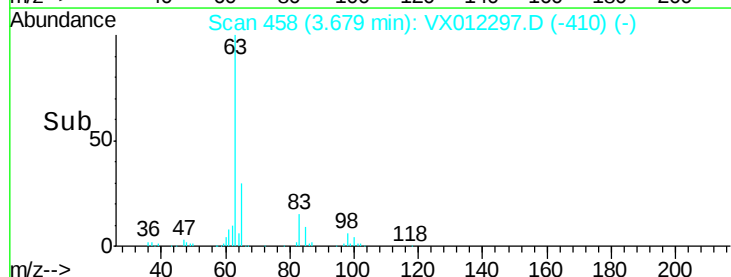
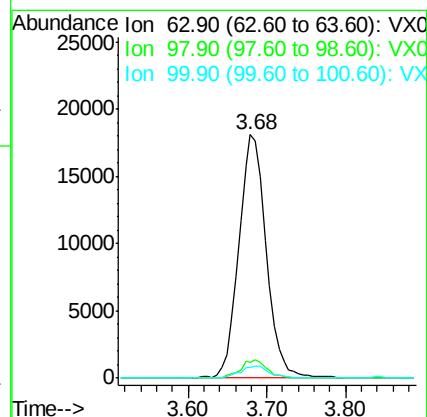
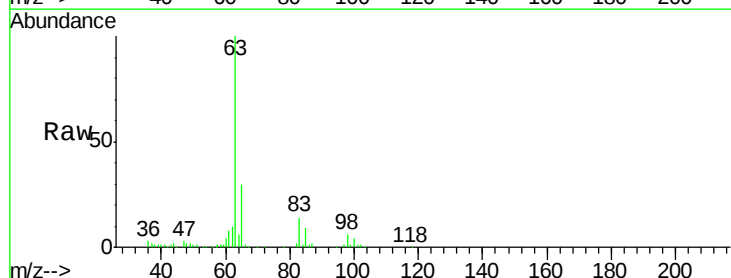
Tgt Ion: 63 Resp: 43726

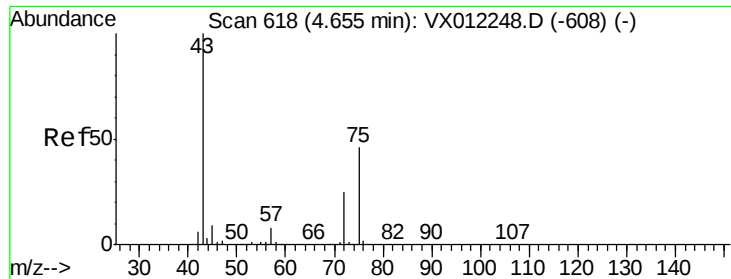
Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.1

100 4.4 2.4 7.2





#25

2-Butanone

Concen: 132.147 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX012297.D

Acq: 11 Sep 2019 12:49

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS01

Tot Ion: 43 Resp: 59010

Ion Ratio Lower Upper

43 100

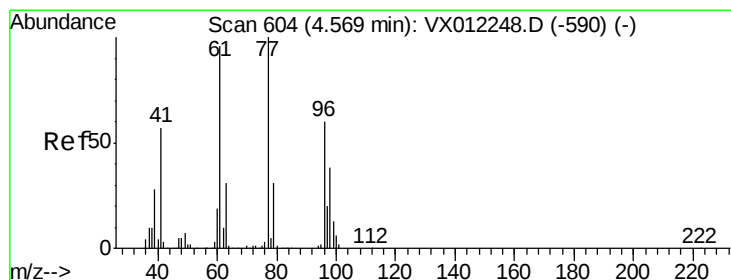
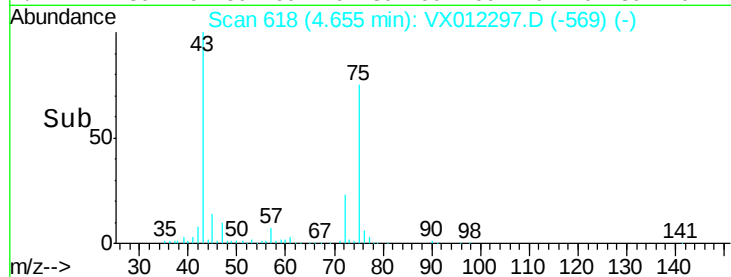
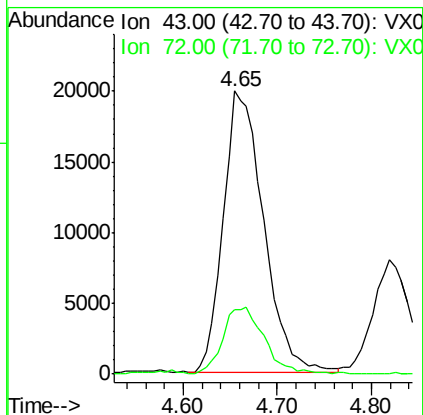
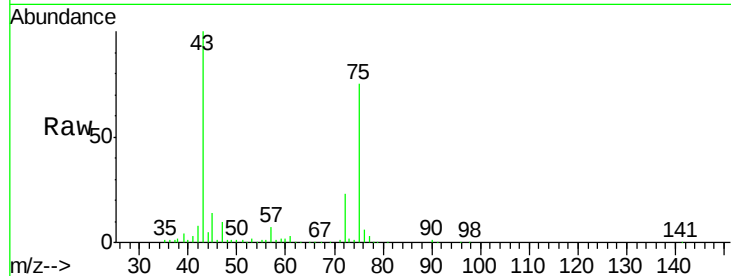
72 22.8 20.2 30.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.568 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX012297.D

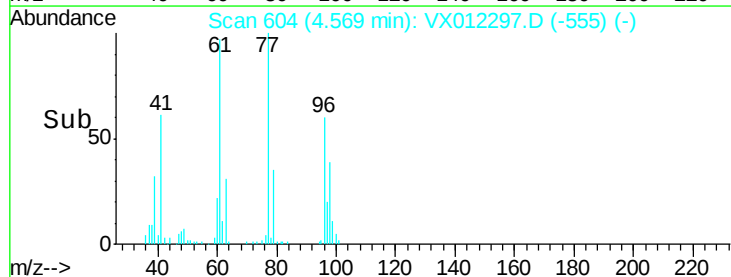
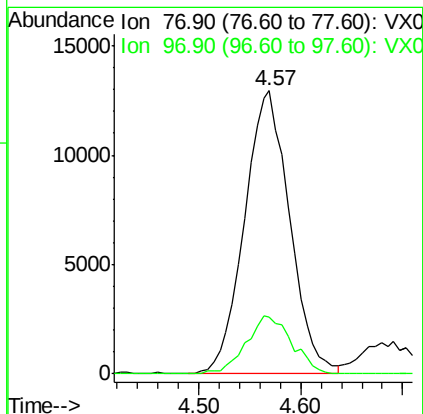
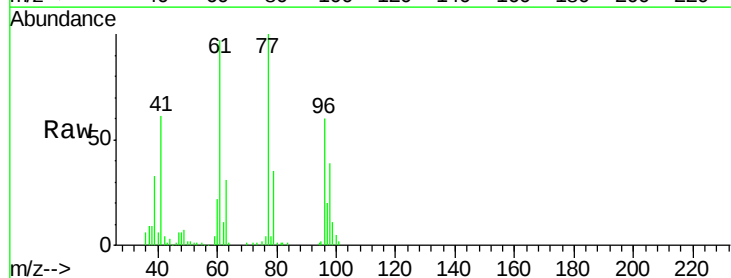
Acq: 11 Sep 2019 12:49

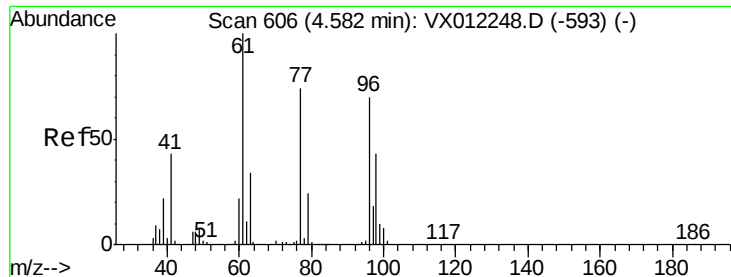
Tgt Ion: 77 Resp: 39941

Ion Ratio Lower Upper

77 100

97 20.7 10.7 32.1





#27

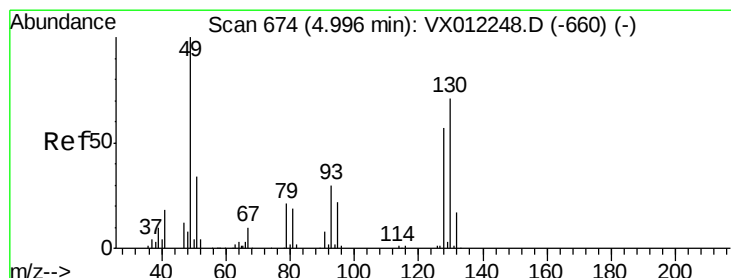
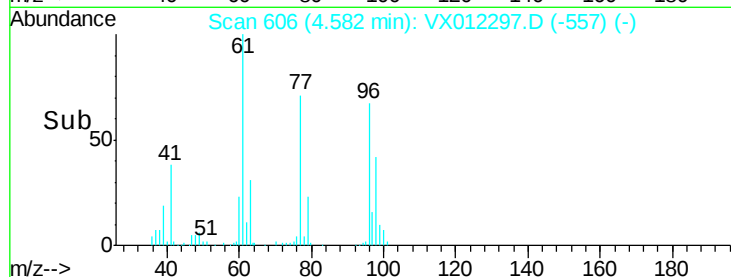
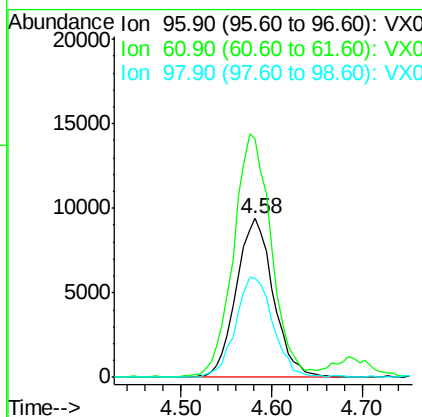
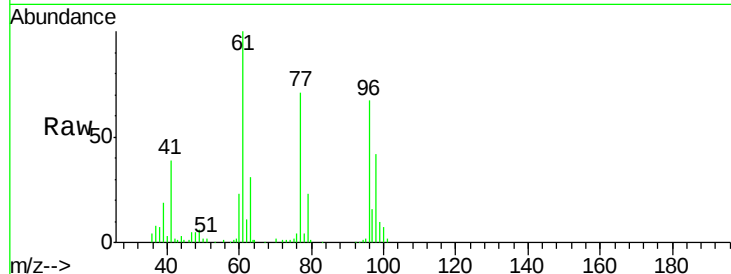
cis-1,2-Dichloroethene
 Concen: 21.907 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VX012297.D
 Acq: 11 Sep 2019 12:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	26649		
61	157.1		0.0	310.4
98	64.0		0.0	128.8

Manual Integrations
 APPROVED

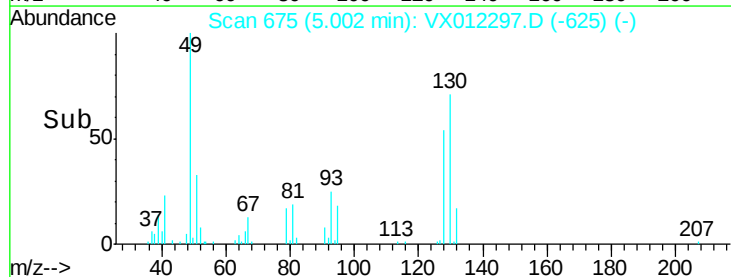
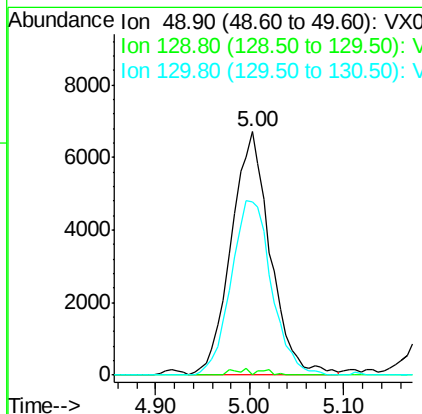
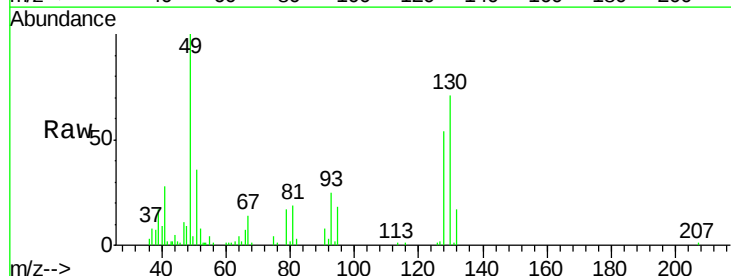
MMDadoda
 9/12/2019 9:26:28 AM

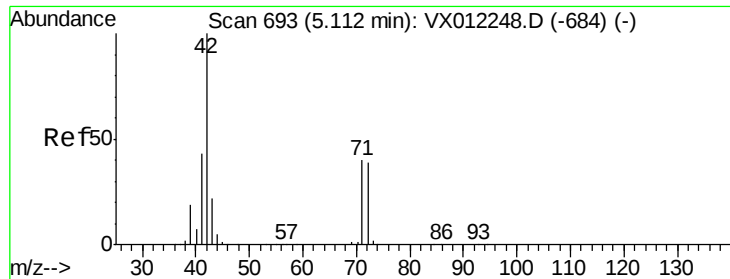


#28

Bromochloromethane
 Concen: 21.036 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. 0.01 min
 Lab File: VX012297.D
 Acq: 11 Sep 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	19460		
129	0.0		0.0	5.2
130	74.1		60.1	90.1





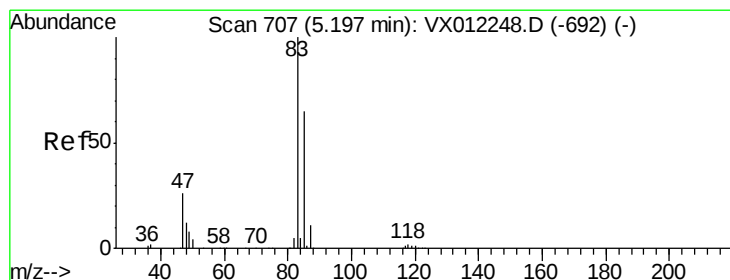
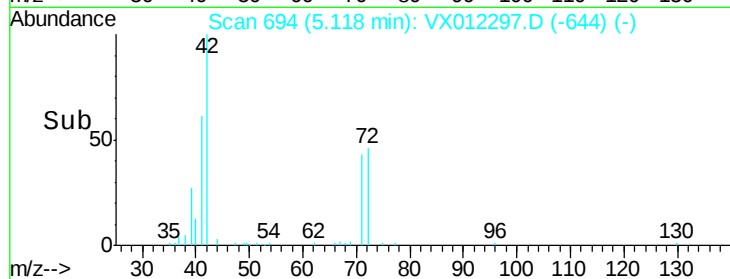
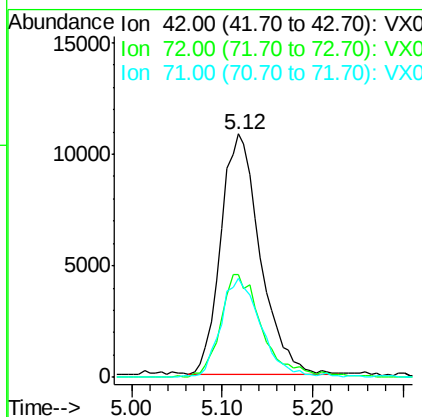
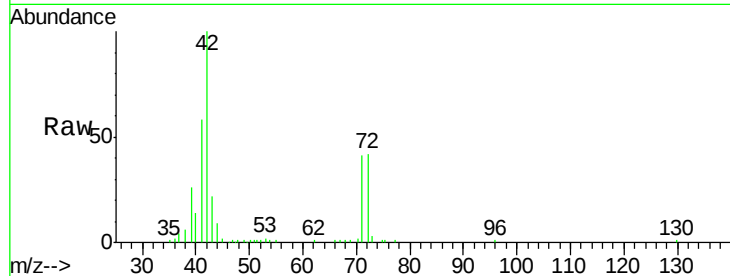
#29
Tetrahydrofuran
Concen: 135.382 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012297.D
Acq: 11 Sep 2019 12:49

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.2	35.2	52.8
71	41.7	32.5	48.7

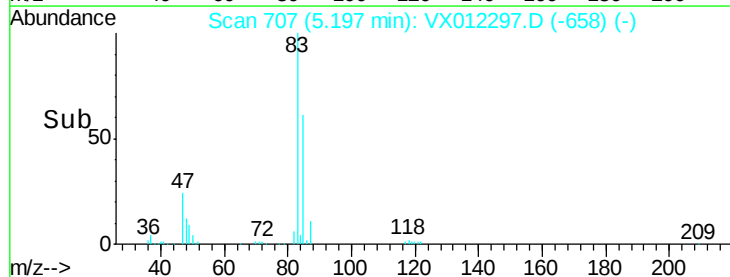
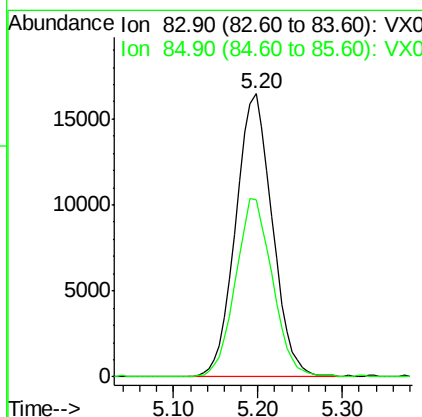
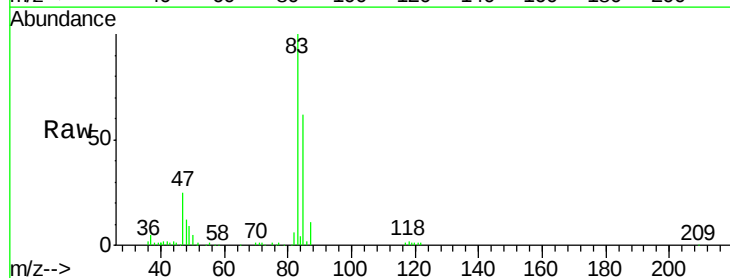
Manual Integrations
APPROVED

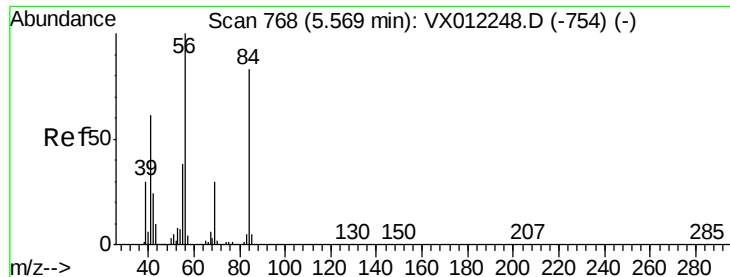
MMDadoda
9/12/2019 9:26:28 AM



#30
Chloroform
Concen: 21.791 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.00 min
Lab File: VX012297.D
Acq: 11 Sep 2019 12:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.3	78.5





#31

Cyclohexane

Concen: 23.059 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX012297.D

Acq: 11 Sep 2019 12:49

Instrument :

MSVOA_X

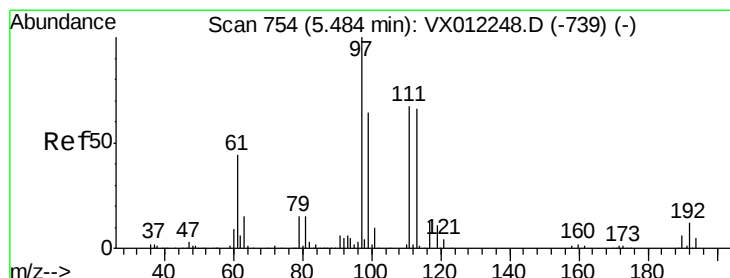
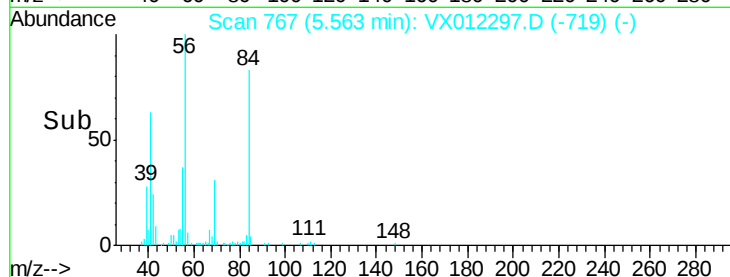
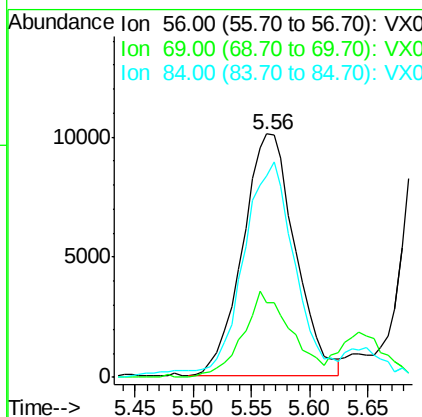
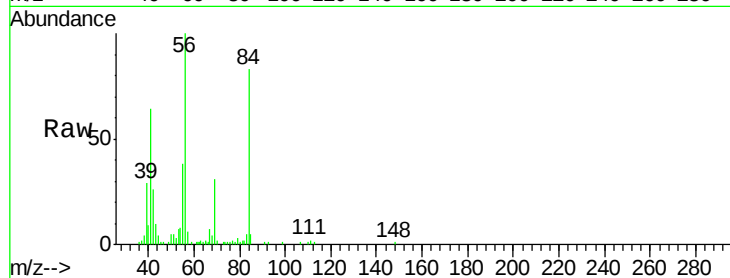
ClientSampleId :

VX0911SBS01

Tot Ion:	56	Resp:	31594
Ion	Ratio	Lower	Upper
56	100		
69	30.8	23.8	35.6
84	80.6	66.6	100.0

Manual Integrations
APPROVED

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9/12/2019 9:26:28 AM



#32

1,1,1-Trichloroethane

Concen: 21.859 ug/l

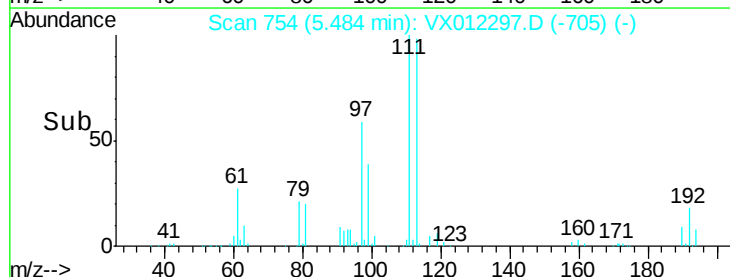
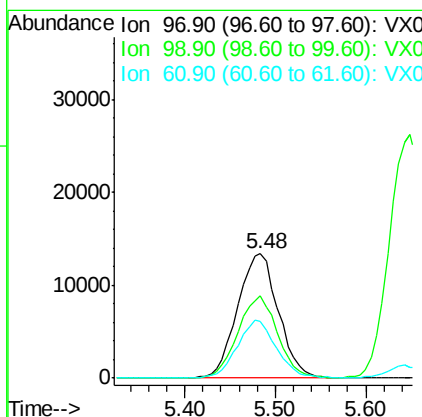
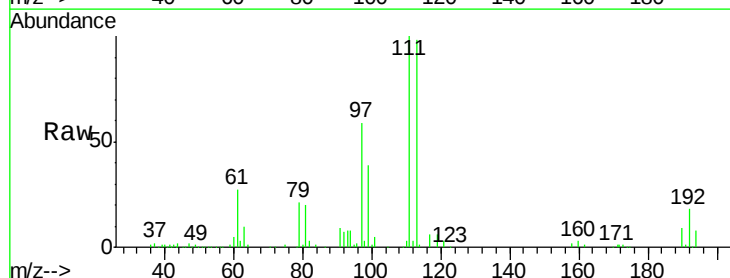
RT: 5.48 min Scan# 754

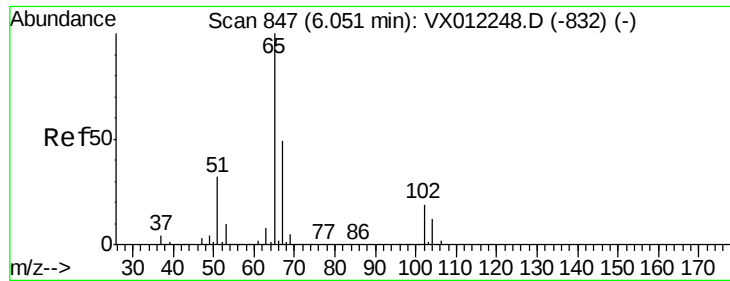
Delta R.T. -0.00 min

Lab File: VX012297.D

Acq: 11 Sep 2019 12:49

Tgt Ion:	97	Resp:	41748
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.3	76.9
61	45.2	35.4	53.0





#33

1,2-Dichloroethane-d4

Concen: 55.974 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012297.D

Acq: 11 Sep 2019 12:49

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBSD01

Tot Ion: 65 Resp: 82595

Ion Ratio Lower Upper

65 100

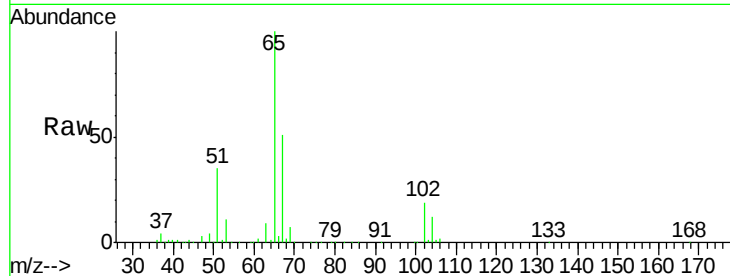
67 50.4 0.0 99.8

Manual Integrations

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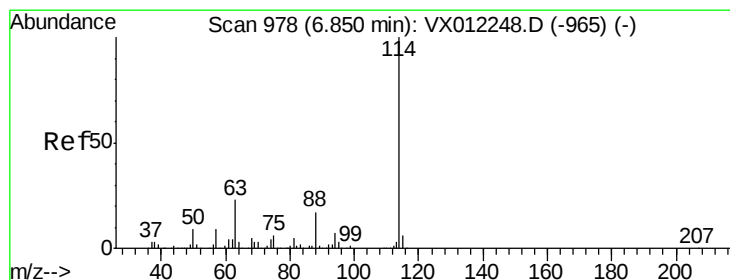
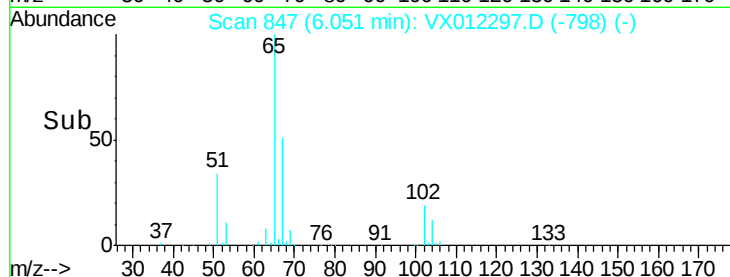
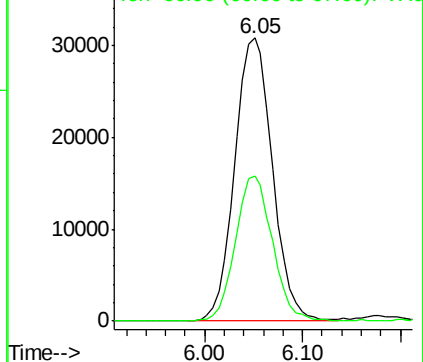
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012297.D

Acq: 11 Sep 2019 12:49

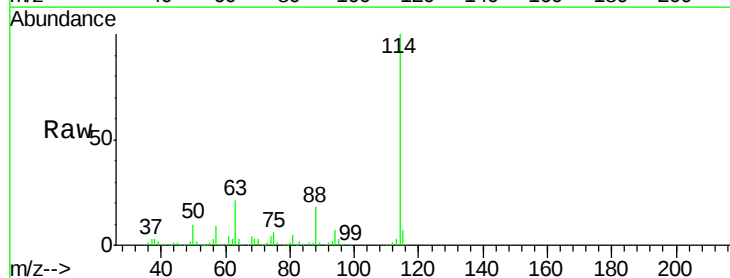
Tgt Ion: 114 Resp: 182149

Ion Ratio Lower Upper

114 100

63 21.3 0.0 45.2

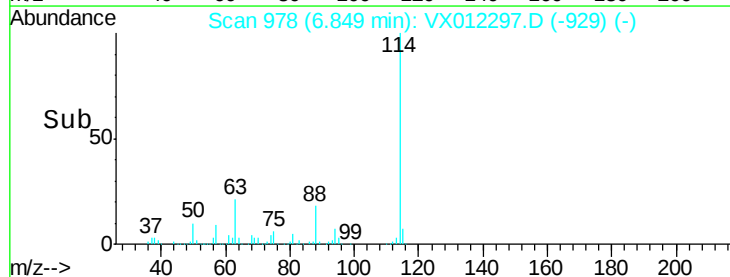
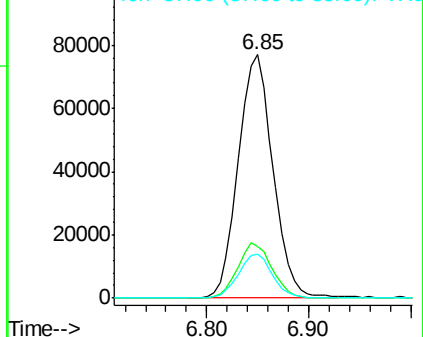
88 18.1 0.0 34.8

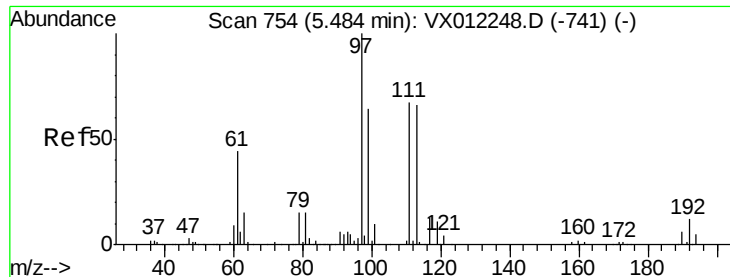


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 52.998 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012297.D

Acq: 11 Sep 2019 12:49

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS01

Tot Ion:113 Resp: 61884

Ion Ratio Lower Upper

113 100

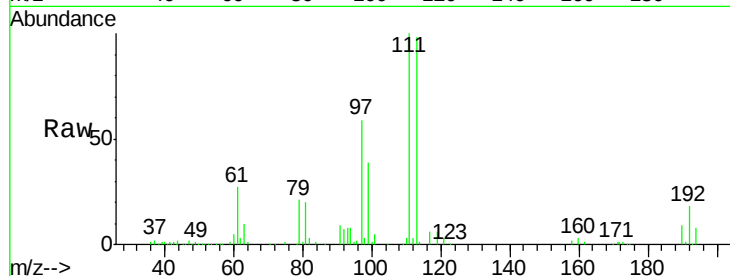
111 104.7 83.0 124.6

192 17.2 14.3 21.5

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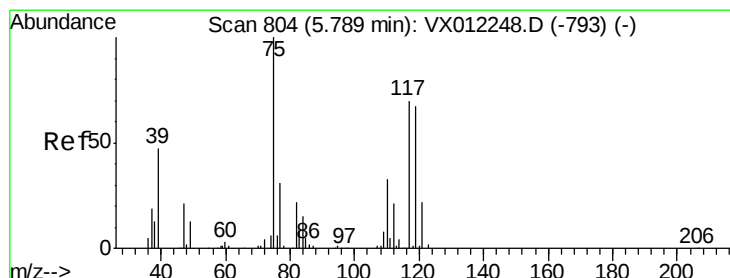
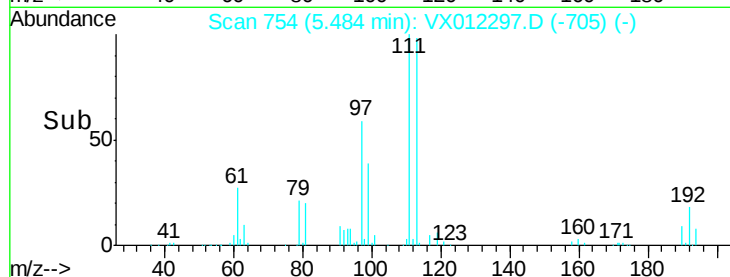
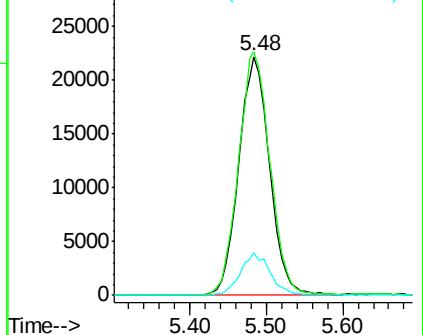
9/12/2019 9:26:28 AM



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: 22.370 ug/l

RT: 5.78 min Scan# 803

Delta R.T. -0.01 min

Lab File: VX012297.D

Acq: 11 Sep 2019 12:49

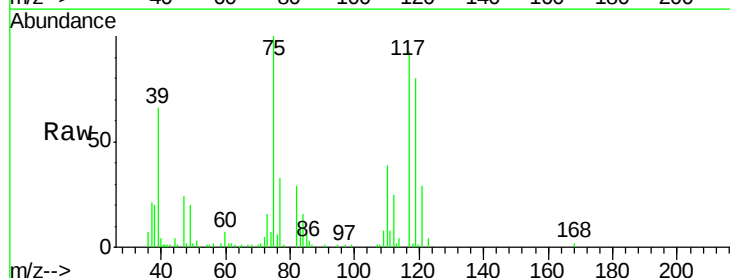
Tgt Ion: 75 Resp: 29711

Ion Ratio Lower Upper

75 100

110 37.1 16.8 50.4

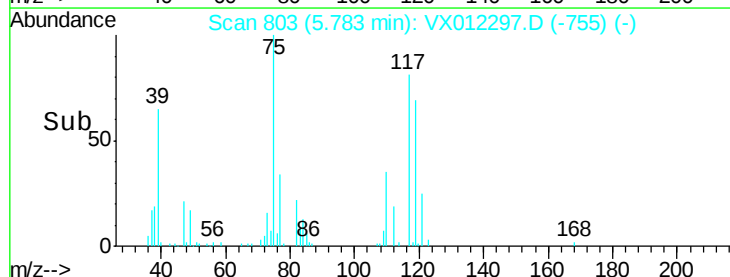
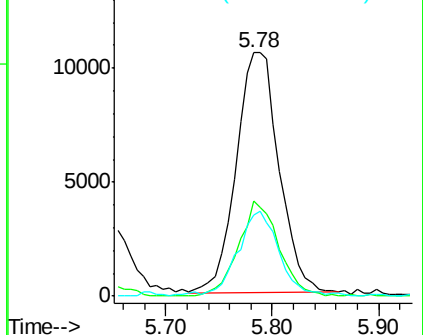
77 34.7 24.5 36.7



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





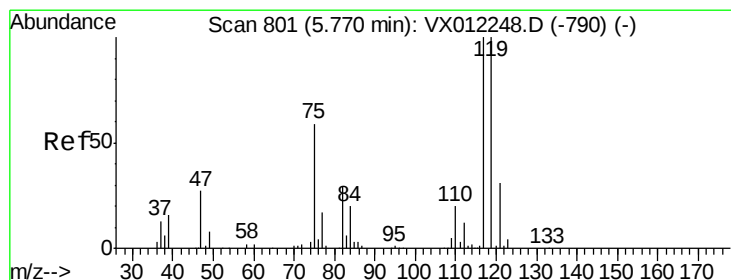
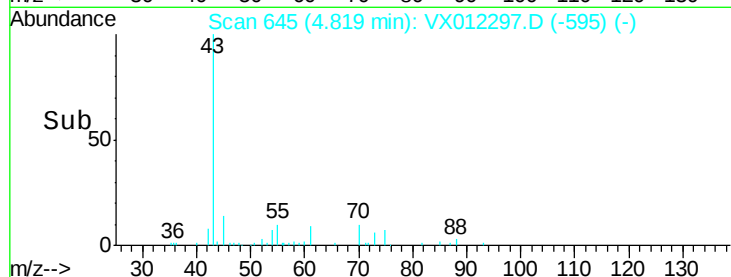
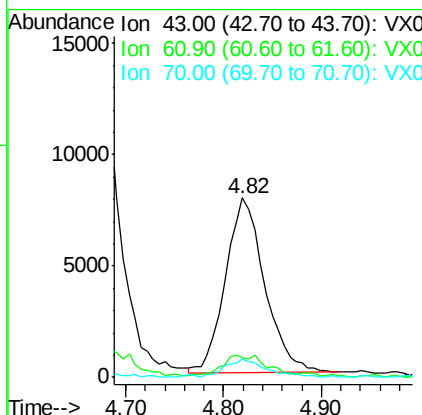
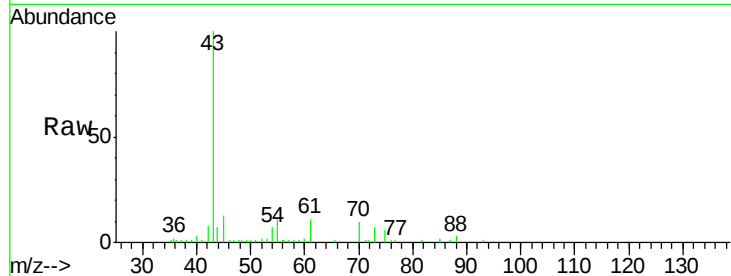
#37
Ethyl Acetate
Concen: 26.653 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.01 min
Lab File: VX012297.D
Acq: 11 Sep 2019 12:49

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.3	15.5
70	11.2	9.1	13.7

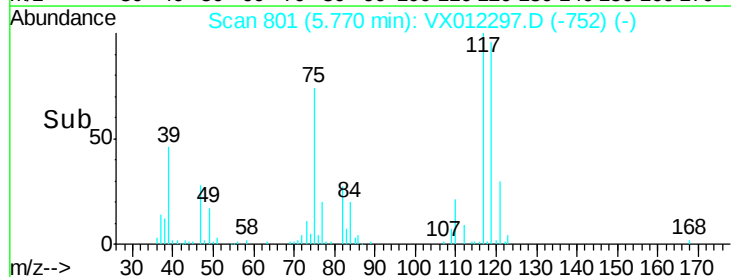
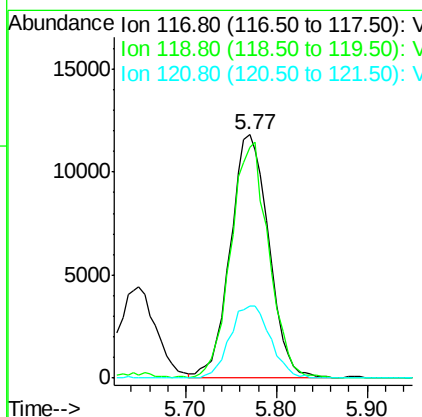
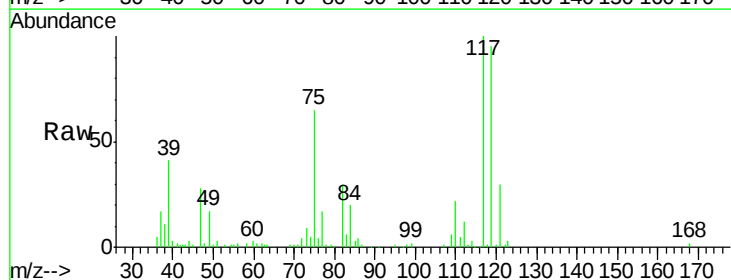
Manual Integrations
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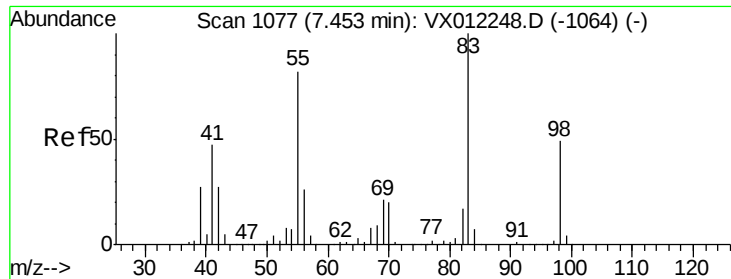
MMDadoda
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#38
Carbon Tetrachloride
Concen: 22.298 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX012297.D
Acq: 11 Sep 2019 12:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	79.6	119.4
121	29.6	24.7	37.1





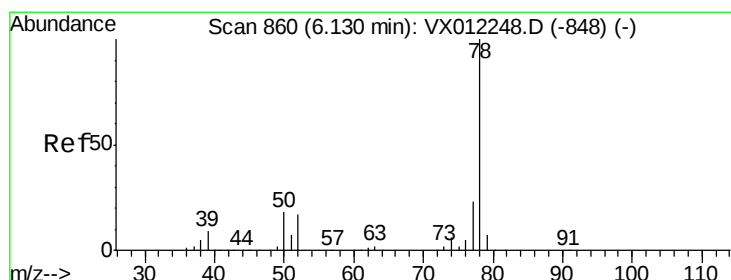
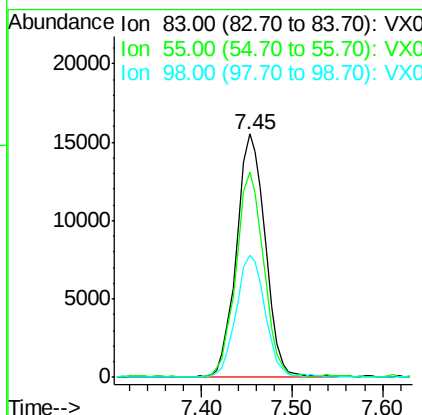
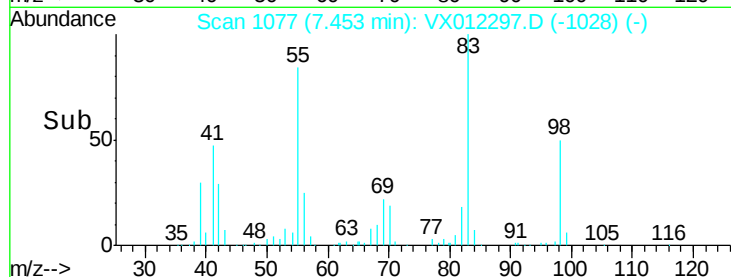
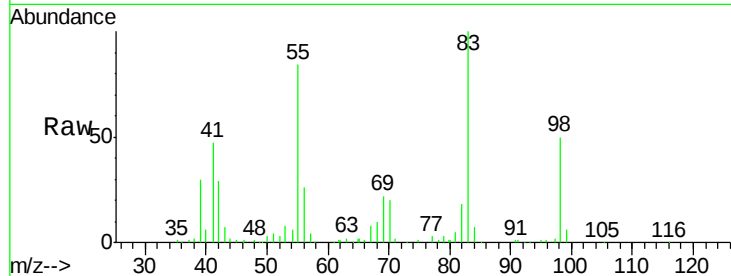
#39
Methylvlcvclohexane
Concen: 23.513 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX012297.D
Acq: 11 Sep 2019 12:49

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	84.1	65.4	98.2	
98	50.2	39.6	59.4	

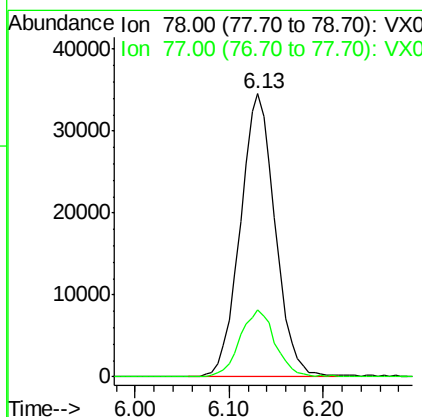
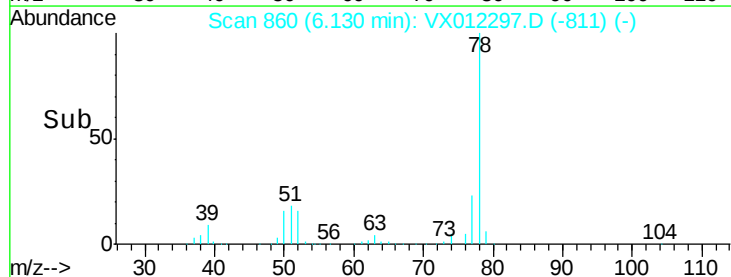
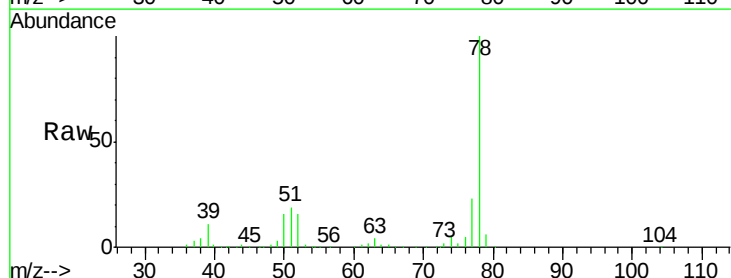
Manual Integrations
APPROVED

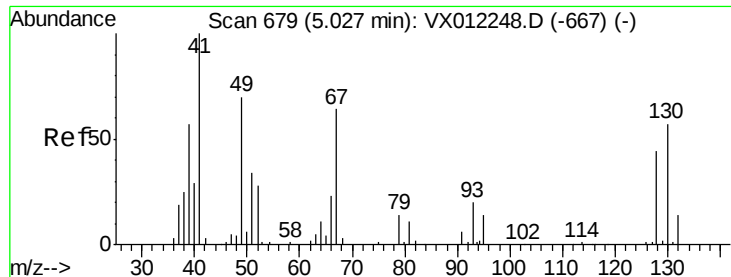
MMDadoda
9/12/2019 9:26:28 AM



#40
Benzene
Concen: 22.271 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012297.D
Acq: 11 Sep 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.5	18.0	27.0	





#41

Methacrylonitrile

Concen: 25.196 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.00 min

Lab File: VX012297.D

Acq: 11 Sep 2019 12:49

Instrument :

MSVOA_X

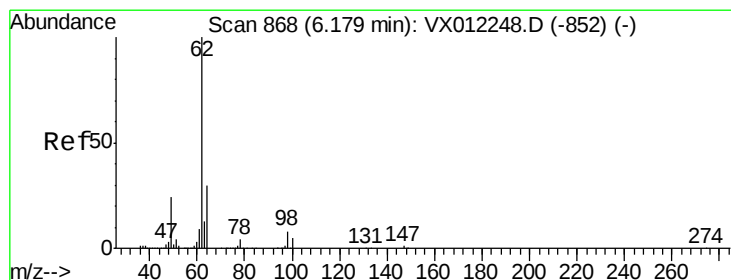
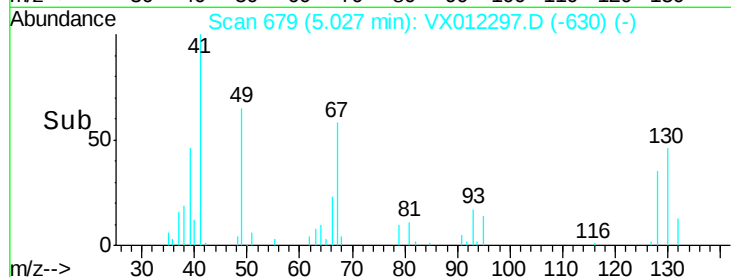
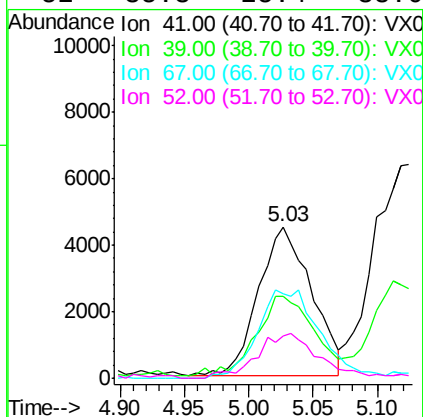
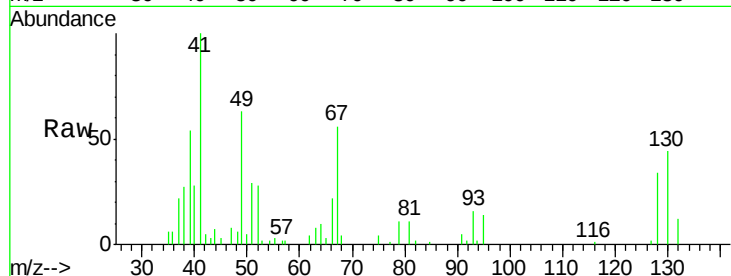
ClientSampleId :

VX0911SBSD01

Tot Ion:	41	Resp:	12753
Ion	Ratio	Lower	Upper
41	100		
39	57.7	49.0	73.4
67	69.3	55.0	82.4
52	35.3	25.4	38.0

Manual Integrations
APPROVED

MMDadoda
9/12/2019 9:26:28 AM



#42

1,2-Dichloroethane

Concen: 23.284 ug/l

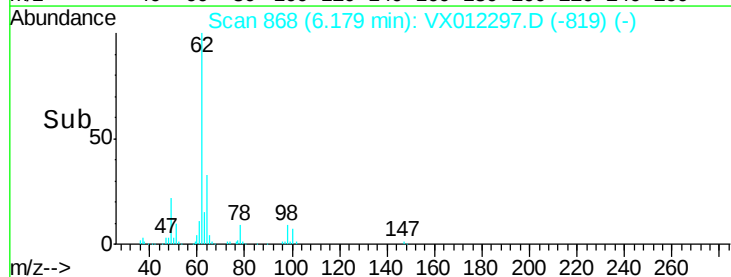
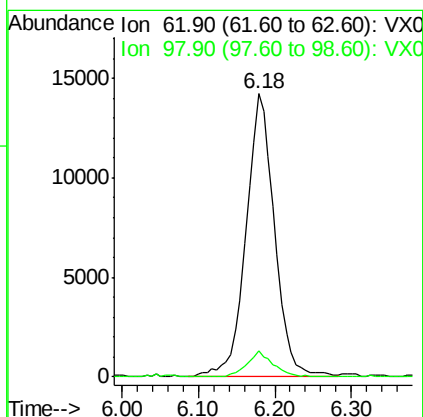
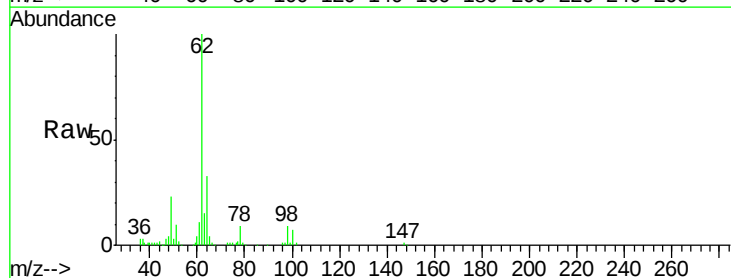
RT: 6.18 min Scan# 868

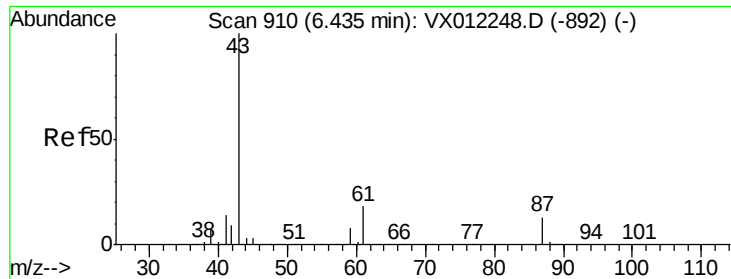
Delta R.T. -0.00 min

Lab File: VX012297.D

Acq: 11 Sep 2019 12:49

Tgt Ion:	62	Resp:	36992
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.2





#43

Isopropyl Acetate

Concen: 24.619 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX012297.D

Acq: 11 Sep 2019 12:49

Instrument :

MSVOA_X

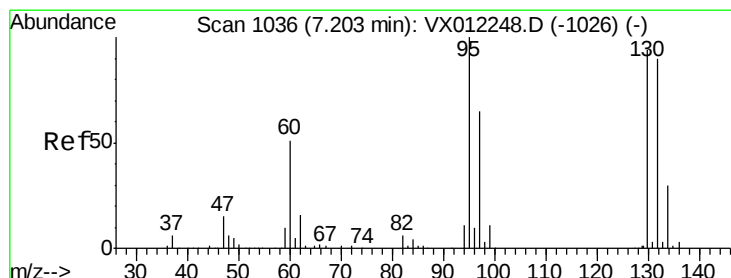
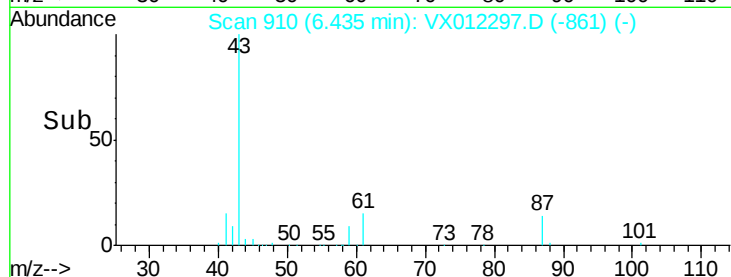
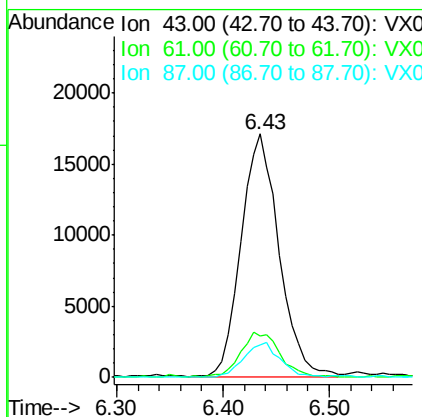
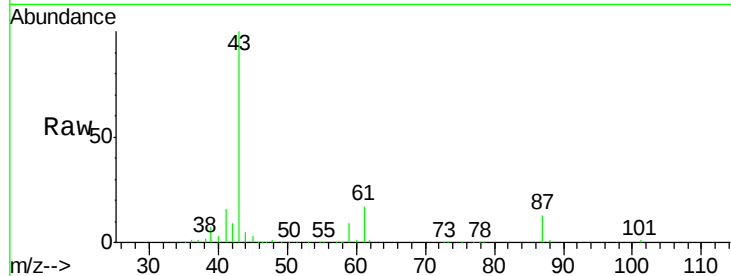
ClientSampleId :

VX0911SBS01

Tot Ion:	43	Resp:	42615
Ion	Ratio	Lower	Upper
43	100		
61	19.7	15.4	23.2
87	13.8	10.5	15.7

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#44

Trichloroethene

Concen: 23.138 ug/l

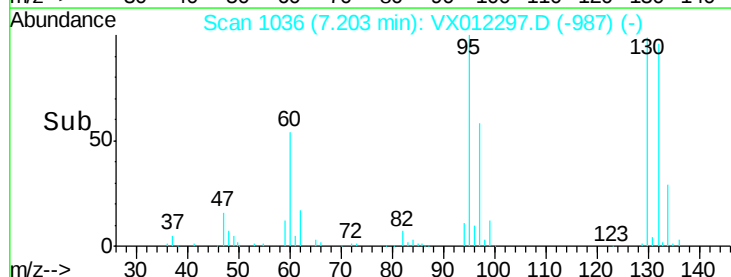
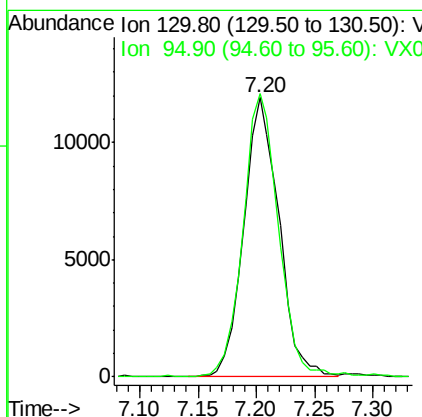
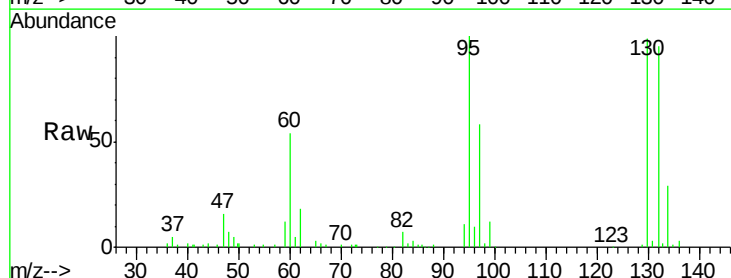
RT: 7.20 min Scan# 1036

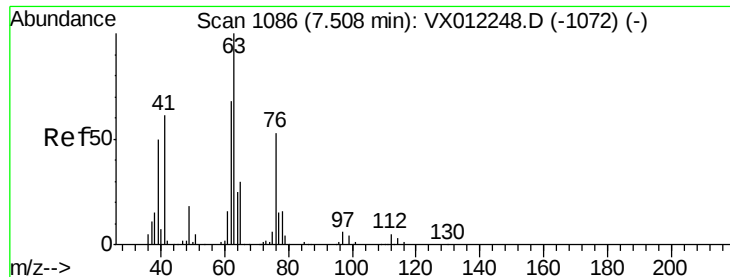
Delta R.T. -0.00 min

Lab File: VX012297.D

Acq: 11 Sep 2019 12:49

Tgt Ion:	130	Resp:	25171
Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	212.0





#45

1,2-Dichloropropane

Concen: 22.311 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX012297.D

Acq: 11 Sep 2019 12:49

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS01

Tot Ion: 63 Resp: 24825

Ion Ratio Lower Upper

63 100

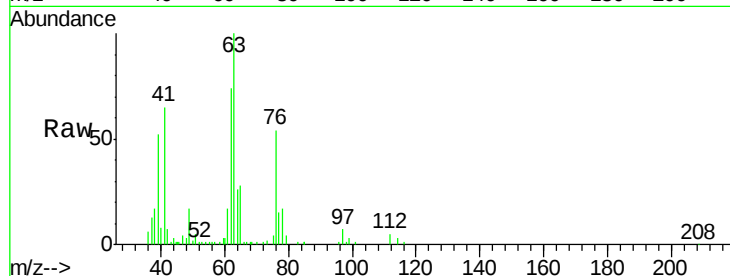
65 27.1 24.3 36.5

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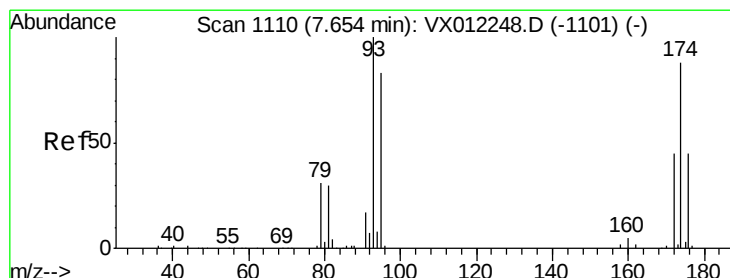
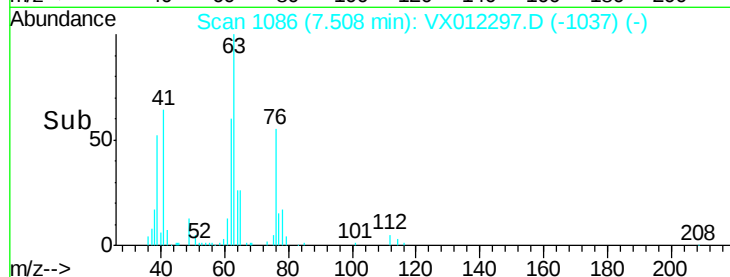
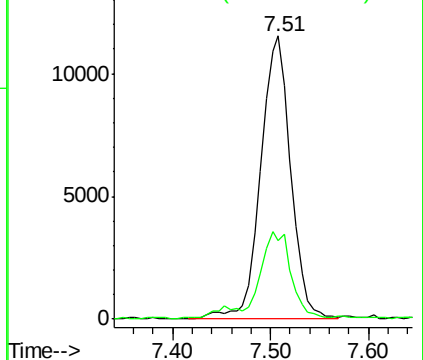
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 23.119 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX012297.D

Acq: 11 Sep 2019 12:49

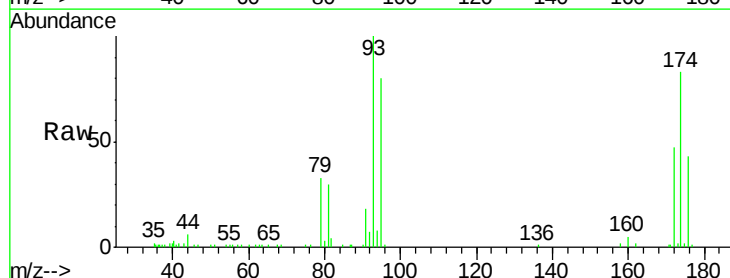
Tgt Ion: 93 Resp: 14059

Ion Ratio Lower Upper

93 100

95 81.6 65.7 98.5

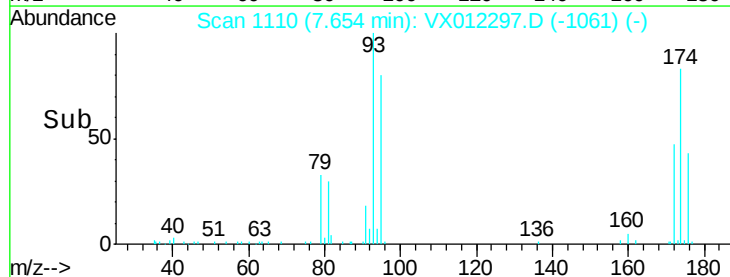
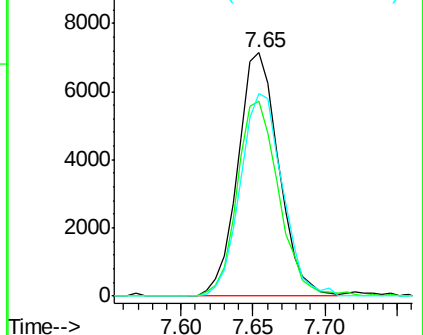
174 85.5 71.0 106.4

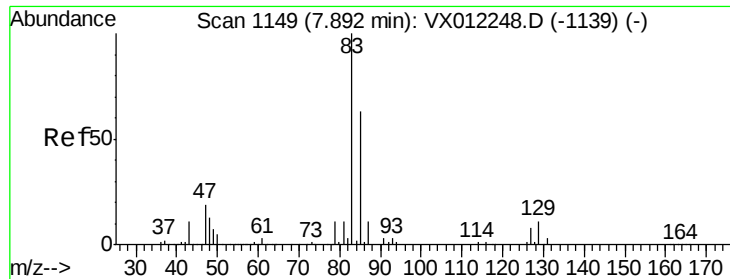


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





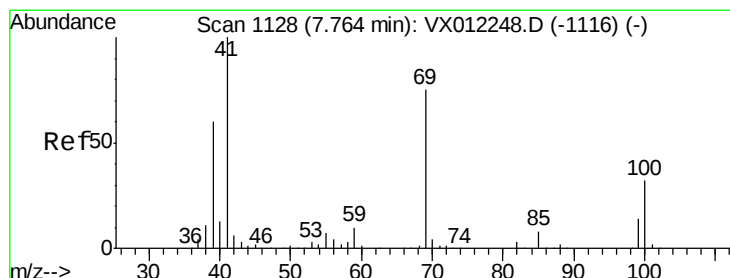
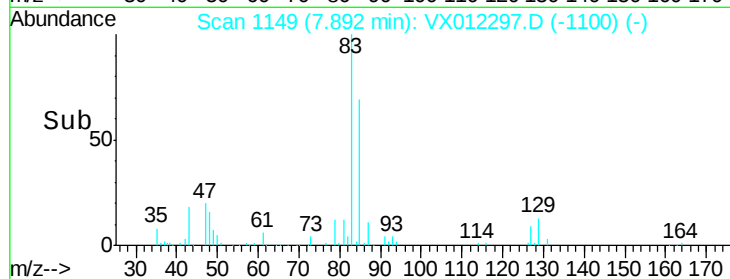
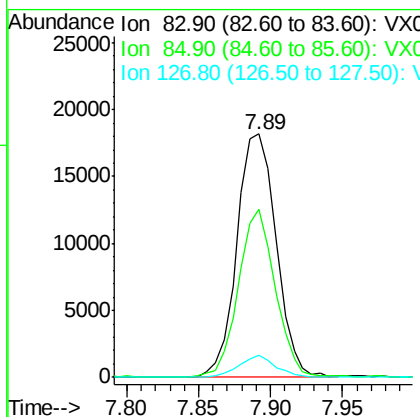
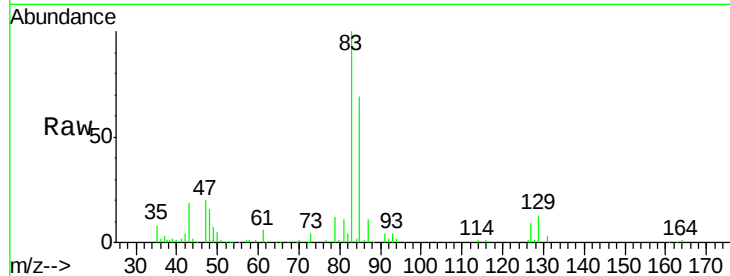
#47
Bromodichloromethane
Concen: 20.757 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. -0.00 min
Lab File: VX012297.D
Acq: 11 Sep 2019 12:49

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS01

Tot Ion	83	Resp	34447
Ion Ratio	100	Lower	Upper
83	100		
85	69.1	50.2	75.4
127	9.2	6.3	9.5

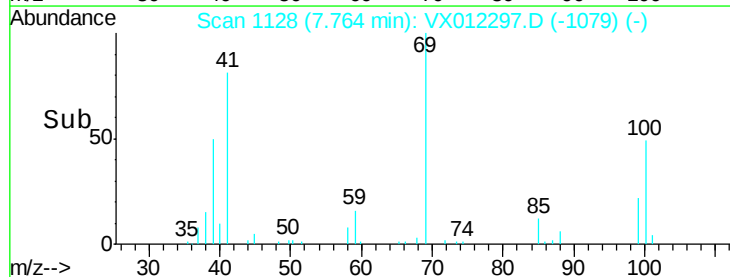
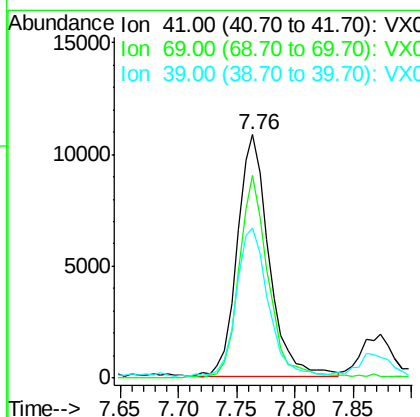
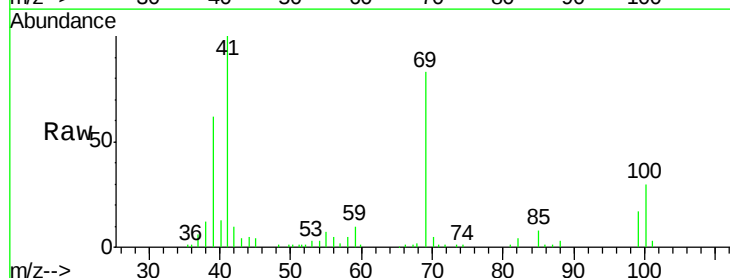
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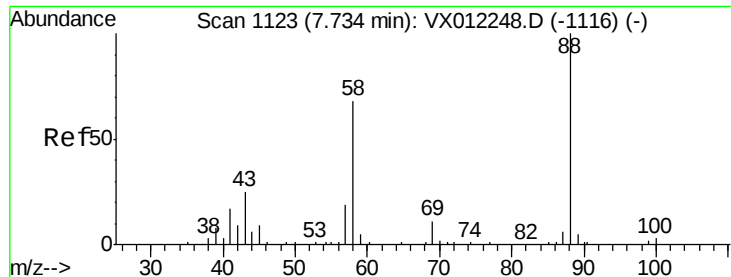
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#48
Methyl methacrylate
Concen: 24.695 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX012297.D
Acq: 11 Sep 2019 12:49

Tgt Ion	41	Resp	20461
Ion Ratio	100	Lower	Upper
41	100		
69	78.4	61.8	92.6
39	61.0	48.6	73.0





#49

1,4-Dioxane

Concen: 528.343 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX012297.D

Acq: 11 Sep 2019 12:49

Instrument :

MSVOA_X

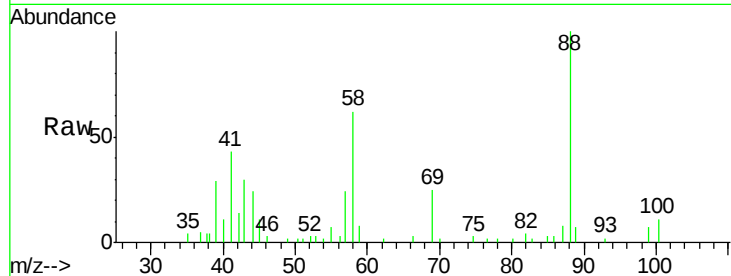
ClientSampled :

VX0911SBS01

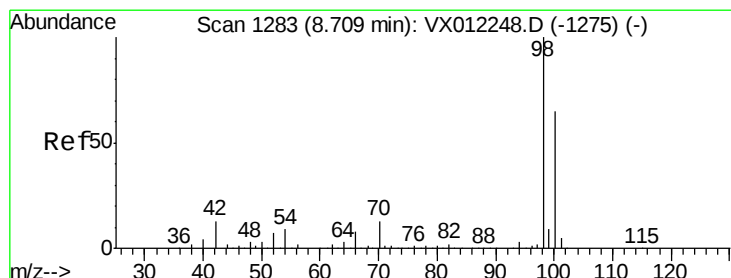
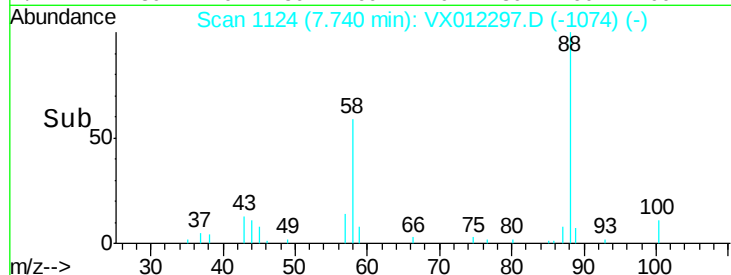
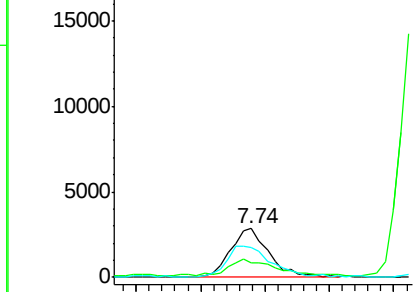
Tot Ion:	88	Resp:	5907
Ion	Ratio	Lower	Upper
88	100		
43	44.1	31.0	46.4
58	75.2	61.5	92.3

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Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 58.813 ug/l

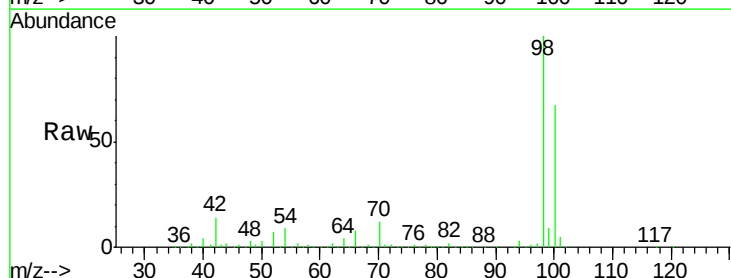
RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

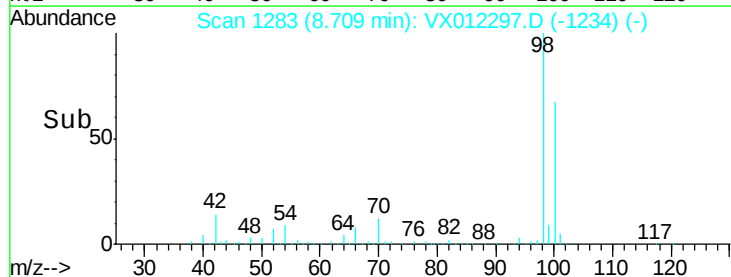
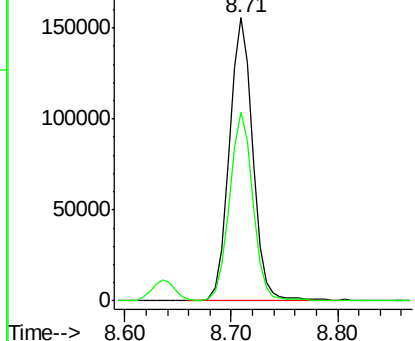
Lab File: VX012297.D

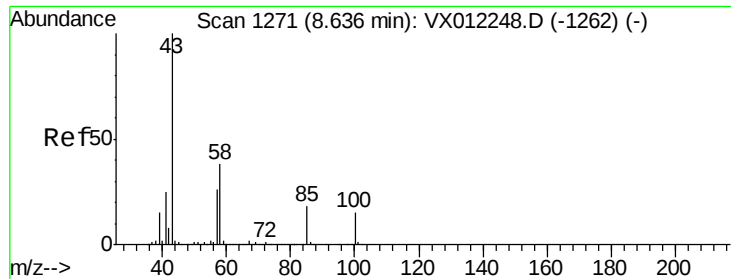
Acq: 11 Sep 2019 12:49

Tgt Ion:	98	Resp:	240863
Ion	Ratio	Lower	Upper
98	100		
100	66.2	54.1	81.1



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





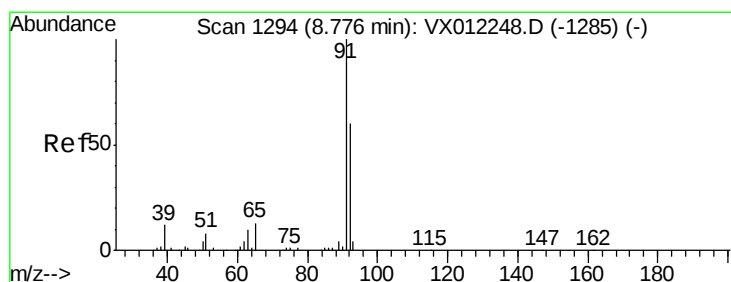
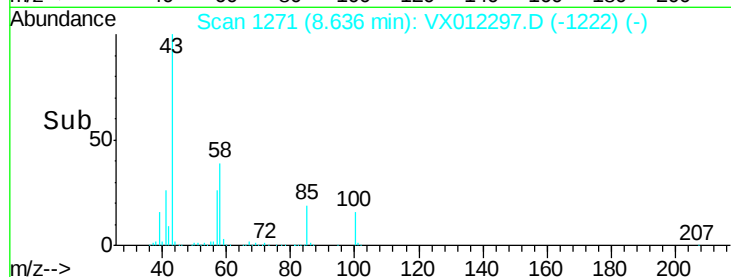
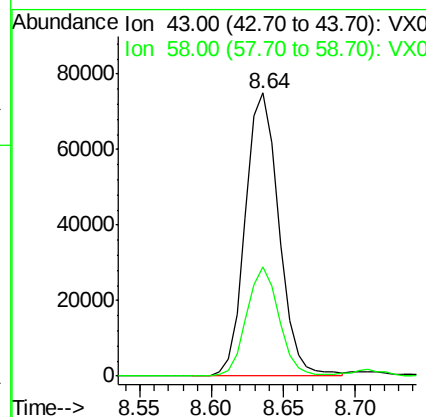
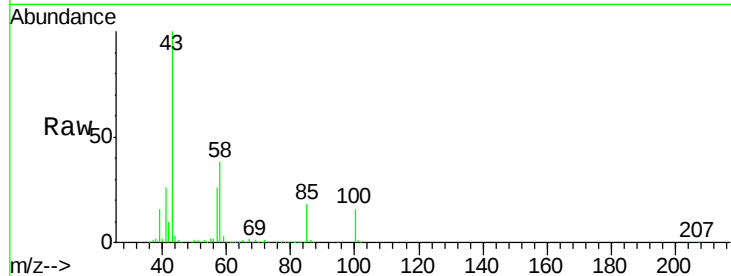
#51
4-Methyl-2-Pentanone
Concen: 132.258 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX012297.D
Acq: 11 Sep 2019 12:49

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.2	30.1	45.1

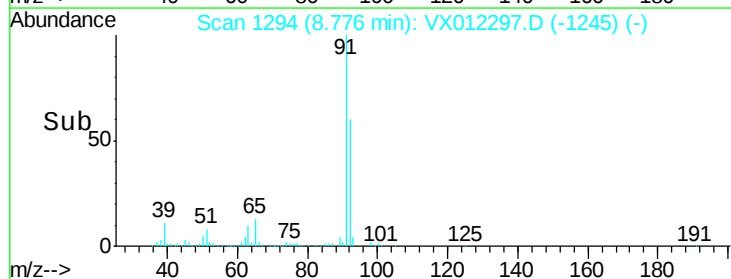
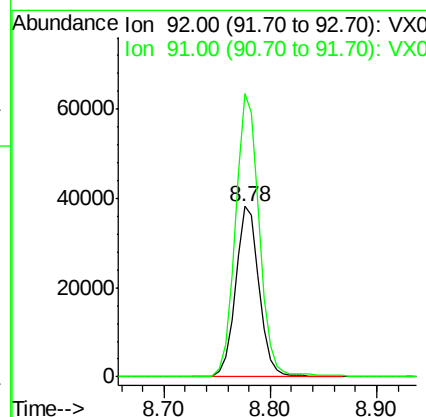
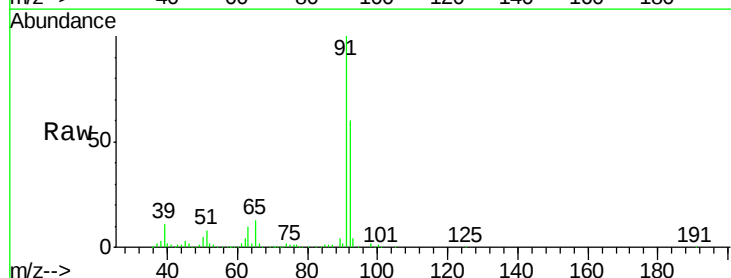
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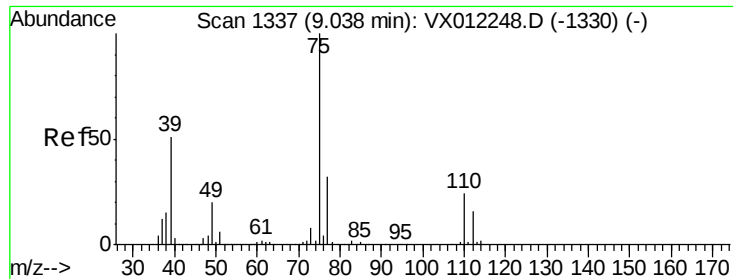
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#52
Toluene
Concen: 22.409 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX012297.D
Acq: 11 Sep 2019 12:49

Tgt Ion	Ratio	Lower	Upper
92	100		
91	168.5	133.6	200.4





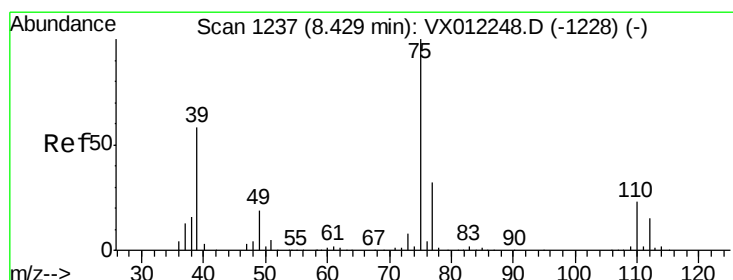
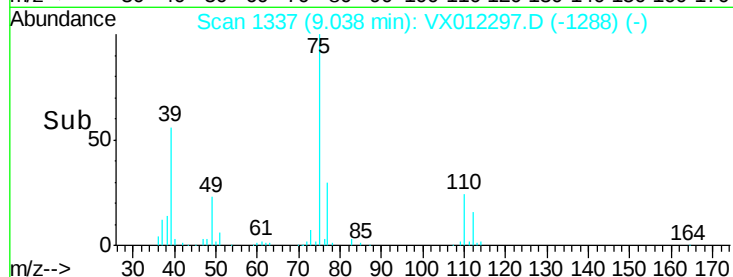
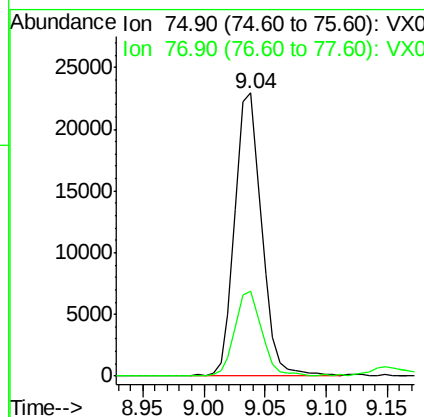
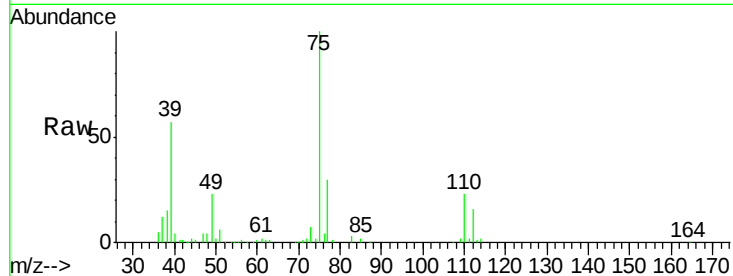
#53
t-1,3-Dichloropropene
Concen: 21.042 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX012297.D
Acq: 11 Sep 2019 12:49

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBSD01

Tot Ion: 75 Resp: 34854
Ion Ratio Lower Upper
75 100
77 29.9 25.8 38.6

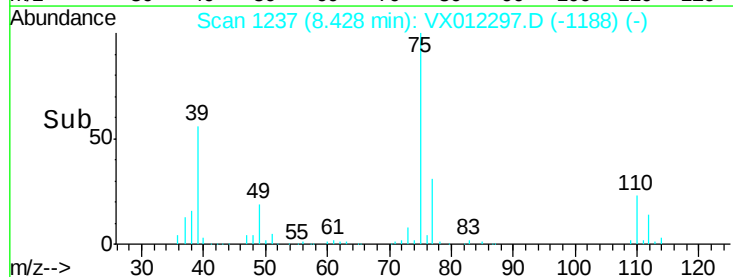
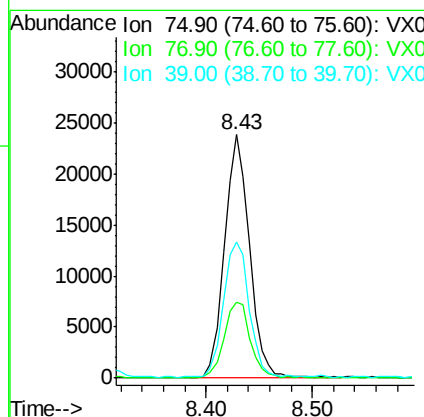
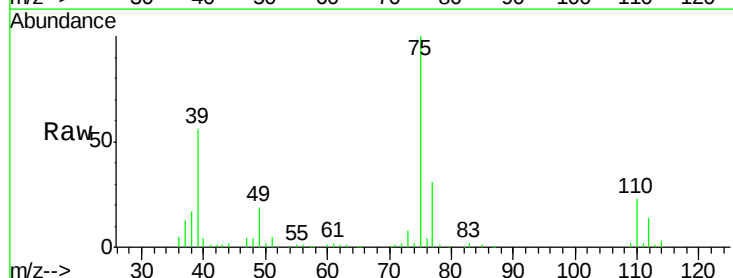
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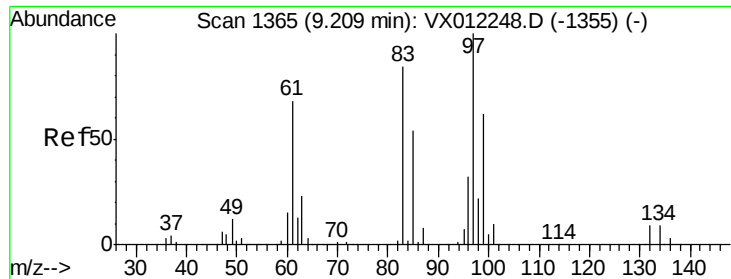
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#54
cis-1,3-Dichloropropene
Concen: 21.376 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX012297.D
Acq: 11 Sep 2019 12:49

Tgt Ion: 75 Resp: 39262
Ion Ratio Lower Upper
75 100
77 31.1 25.4 38.2
39 55.3 46.5 69.7





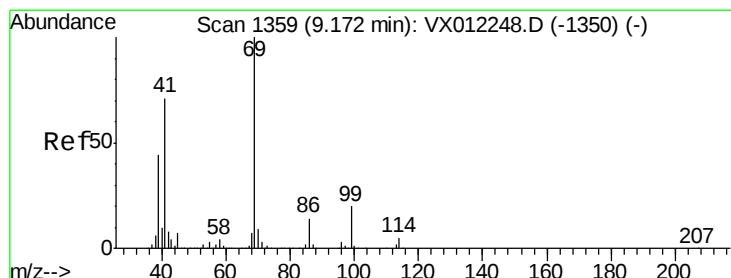
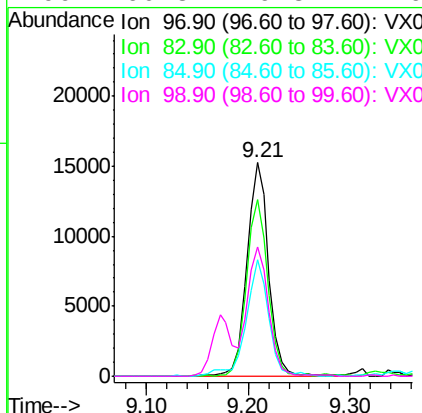
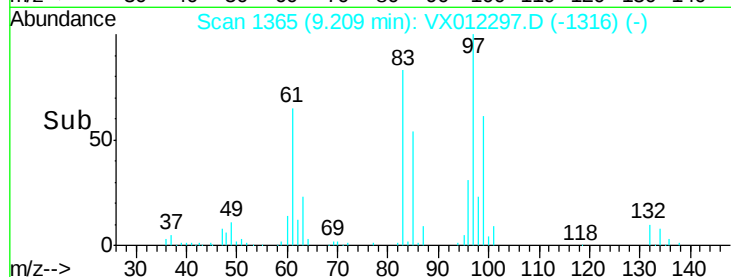
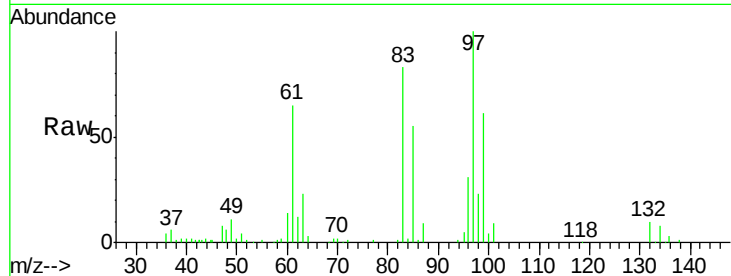
#55
 1,1,2-Trichloroethane
 Concen: 23.929 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012297.D
 Acq: 11 Sep 2019 12:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBS01

Tot Ion:	97	Resp:	22544
Ion	Ratio	Lower	Upper
97	100		
83	82.7	67.4	101.2
85	54.6	43.4	65.2
99	60.8	49.8	74.6

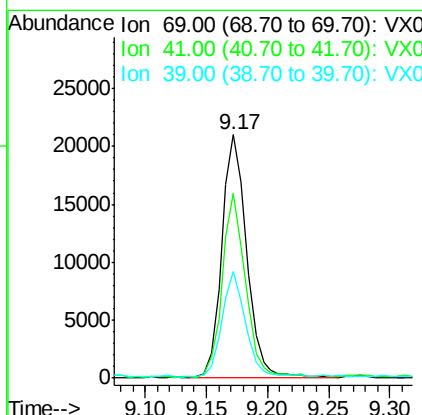
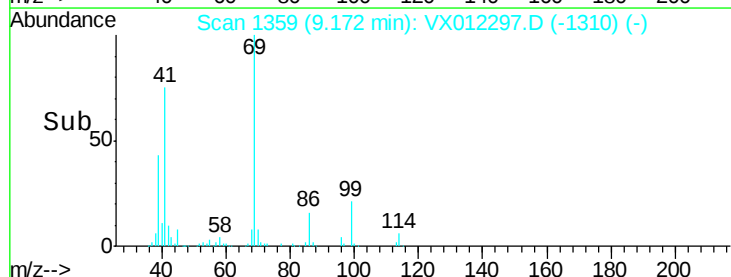
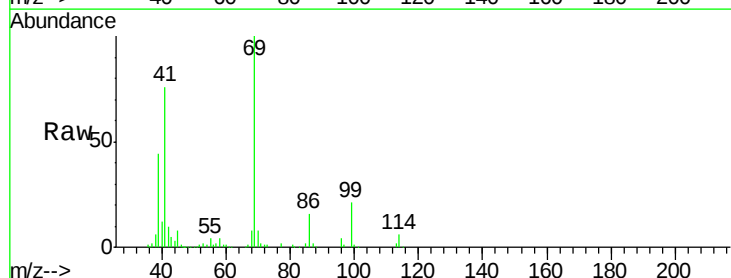
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#56
 Ethyl methacrylate
 Concen: 23.386 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012297.D
 Acq: 11 Sep 2019 12:49

Tgt Ion:	69	Resp:	29832
Ion	Ratio	Lower	Upper
69	100		
41	70.4	57.7	86.5
39	41.1	34.0	51.0





#57

1,3-Dichloropropane

Concen: 23.323 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX012297.D

Acq: 11 Sep 2019 12:49

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS01

Tot Ion: 76 Resp: 37529

Ion Ratio Lower Upper

76 100

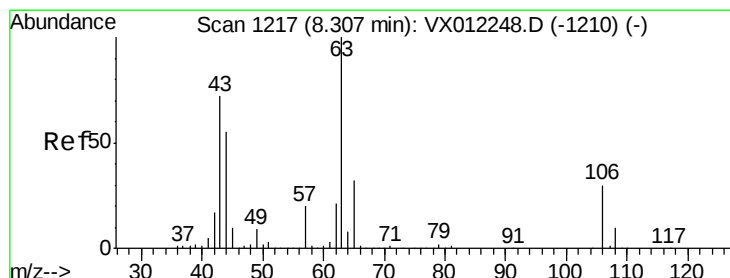
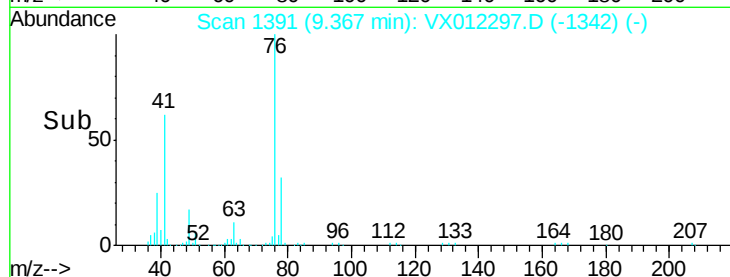
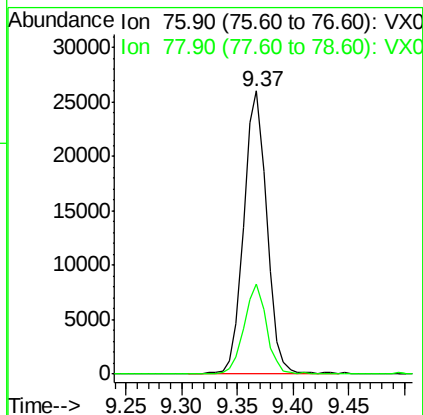
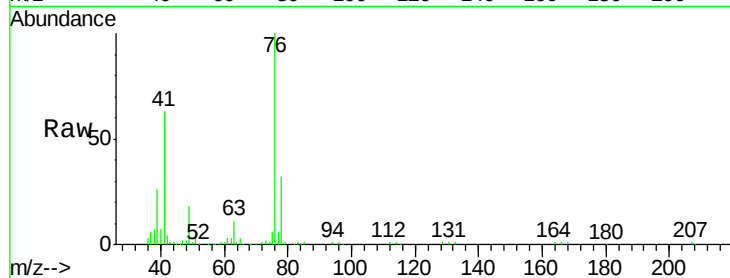
78 31.2 26.0 39.0

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 120.688 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX012297.D

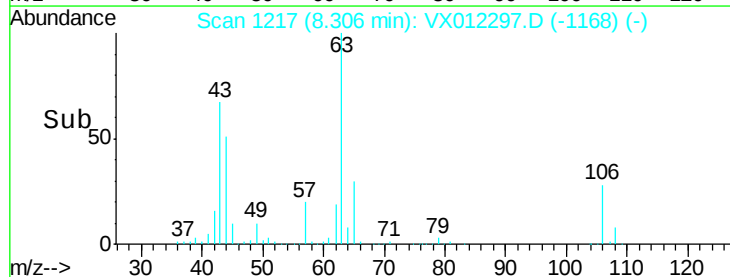
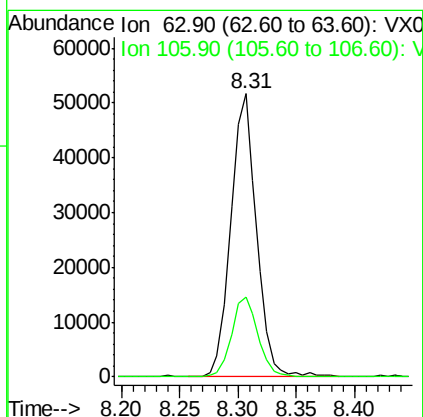
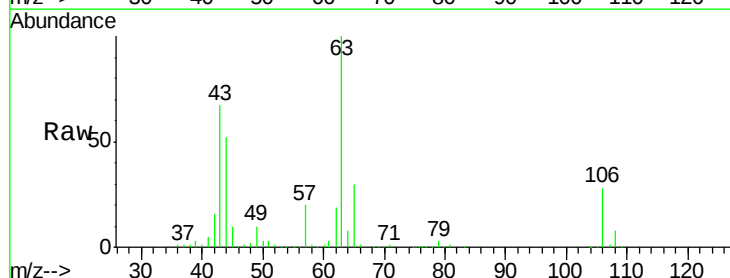
Acq: 11 Sep 2019 12:49

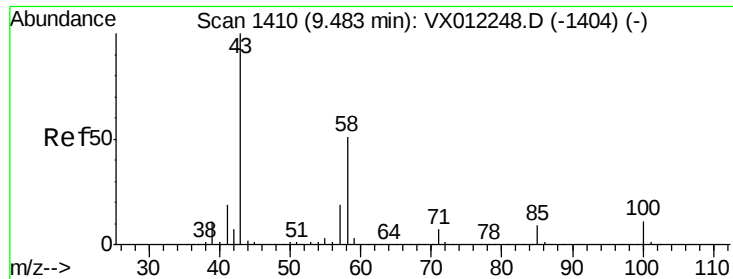
Tgt Ion: 63 Resp: 78905

Ion Ratio Lower Upper

63 100

106 29.3 23.4 35.2





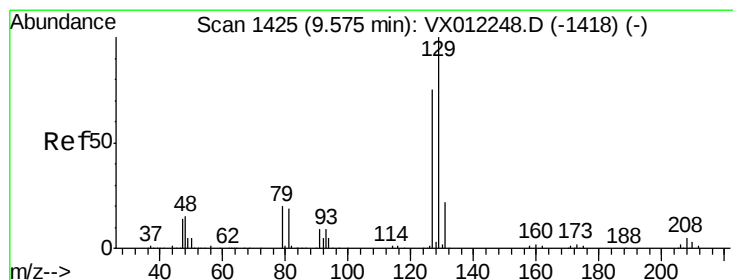
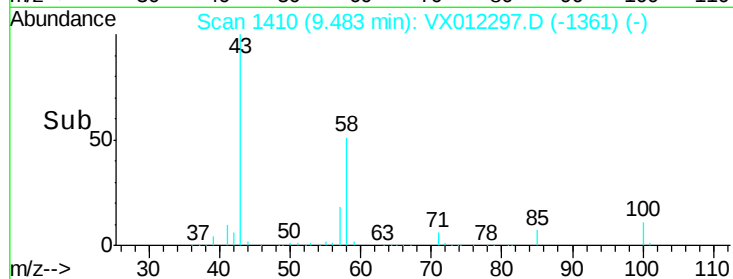
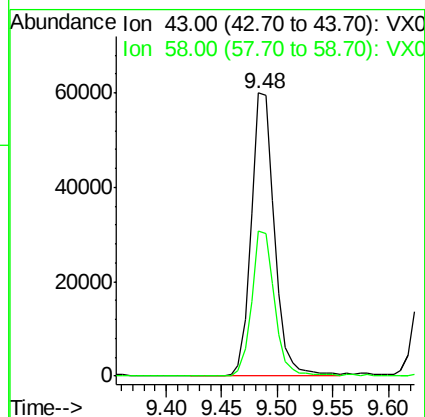
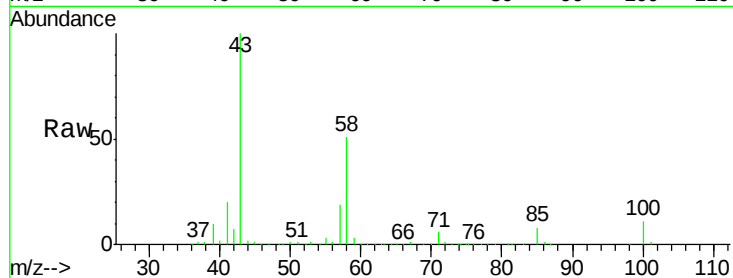
#59
2-Hexanone
Concen: 136.457 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX012297.D
Acq: 11 Sep 2019 12:49

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBSD01

Tot Ion: 43 Resp: 86679
Ion Ratio Lower Upper
43 100
58 50.2 25.8 77.3

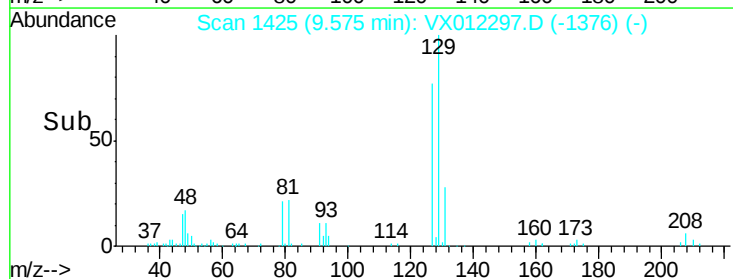
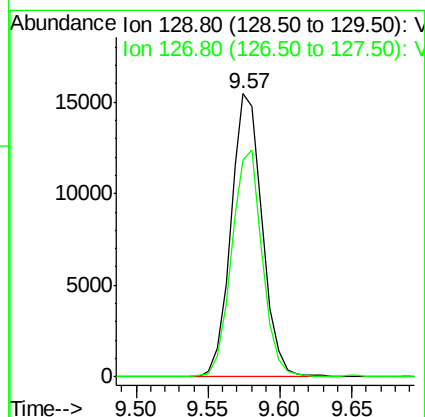
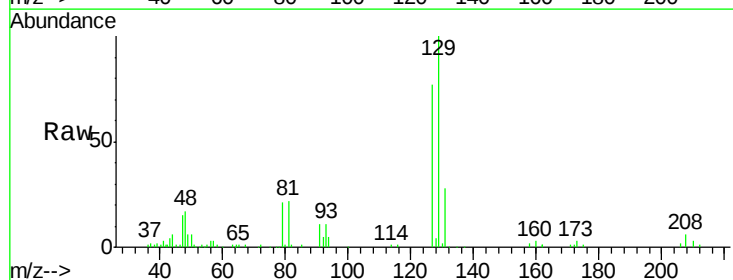
Manual Integrations
APPROVED

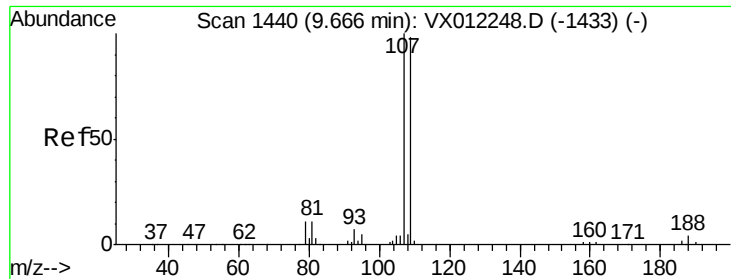
MMDadoda
9/12/2019 9:26:28 AM



#60
Dibromochloromethane
Concen: 21.227 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX012297.D
Acq: 11 Sep 2019 12:49

Tgt Ion: 129 Resp: 23347
Ion Ratio Lower Upper
129 100
127 78.5 38.1 114.3





#61

1,2-Dibromoethane

Concen: 23.824 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012297.D

Acq: 11 Sep 2019 12:49

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS01

Tot Ion: 107 Resp: 20893

Ion Ratio Lower Upper

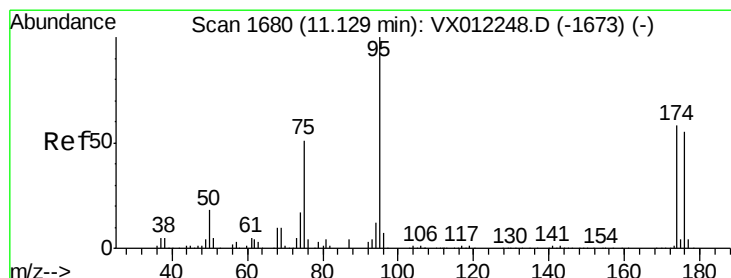
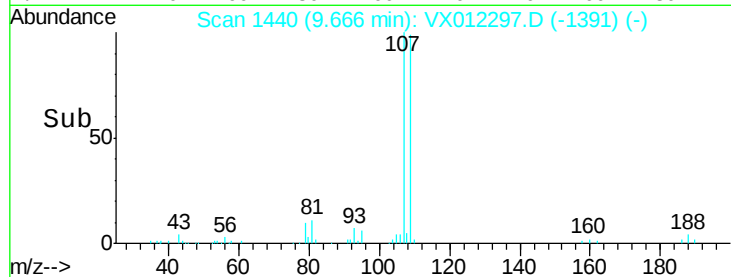
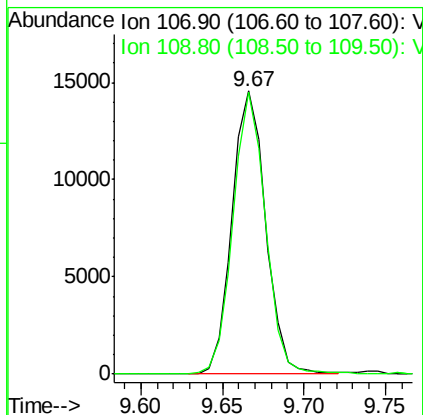
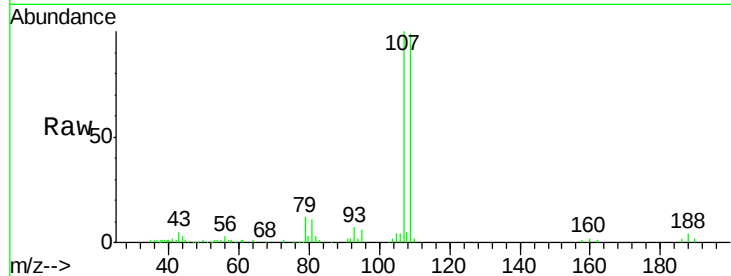
107 100

109 96.2 76.3 114.5

Manual Integrations
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MMDadoda

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#62

4-Bromofluorobenzene

Concen: 53.698 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012297.D

Acq: 11 Sep 2019 12:49

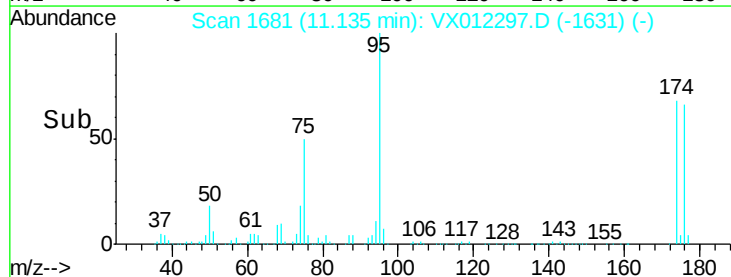
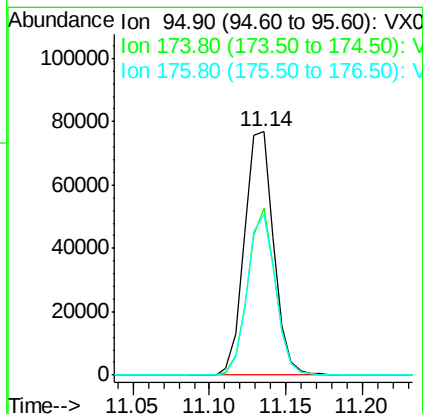
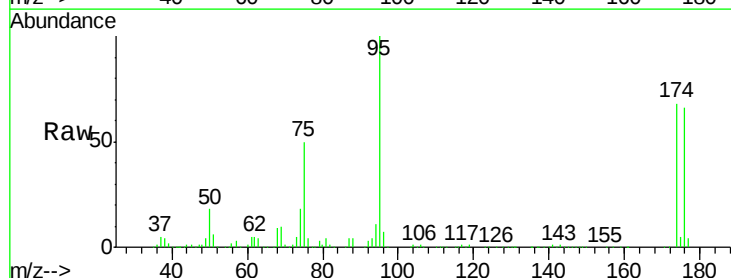
Tgt Ion: 95 Resp: 101952

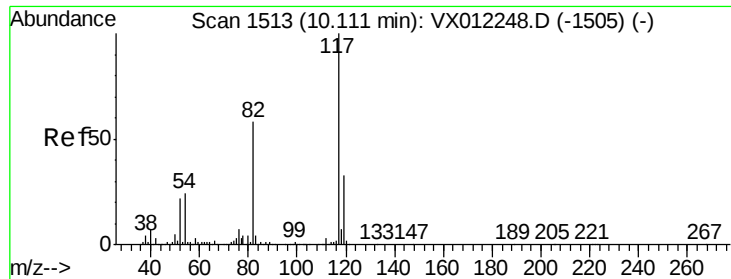
Ion Ratio Lower Upper

95 100

174 64.9 0.0 127.0

176 64.1 0.0 125.8





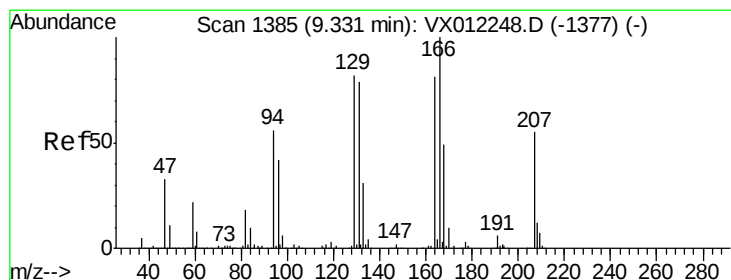
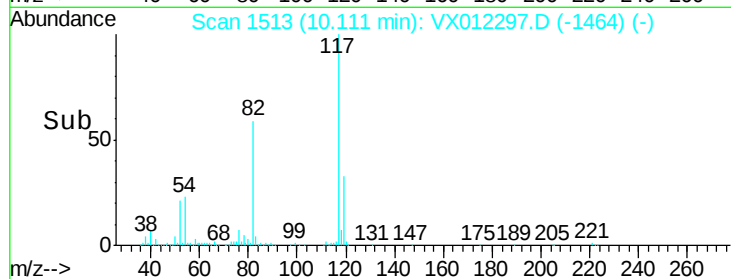
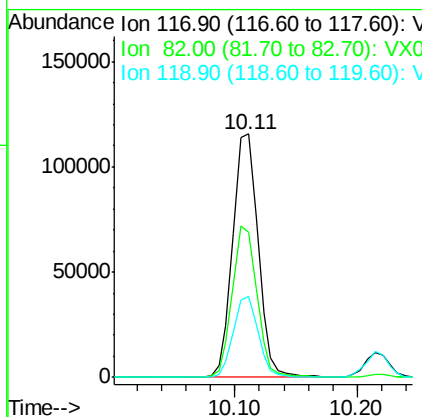
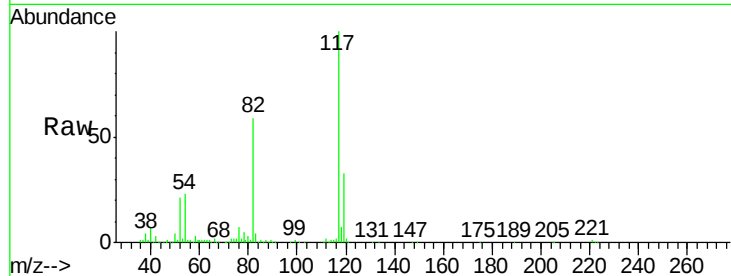
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012297.D
Acq: 11 Sep 2019 12:49

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	166244		
82	59.4	46.4	69.6	
119	33.2	26.6	39.8	

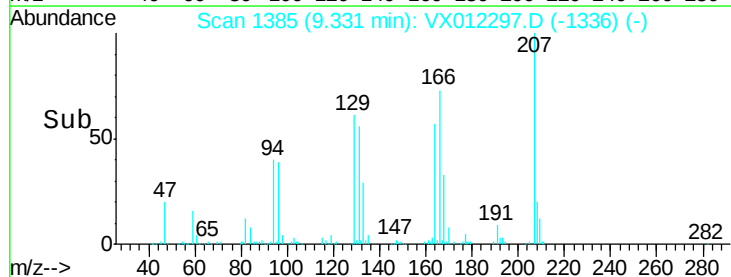
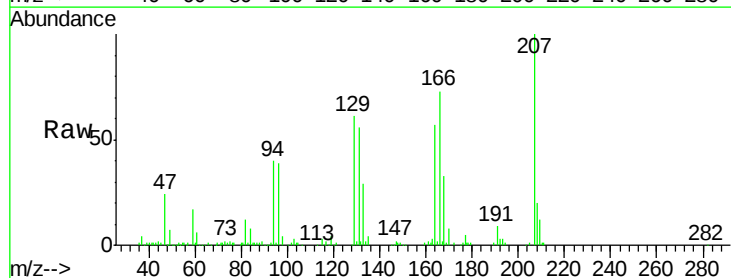
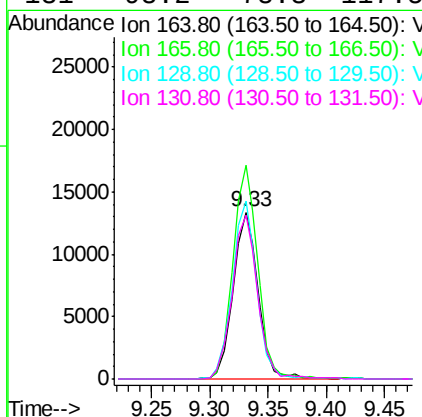
Manual Integrations
APPROVED

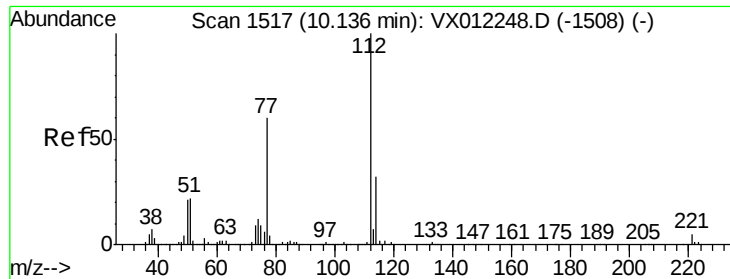
MMDadoda
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#64
Tetrachloroethene
Concen: 22.658 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012297.D
Acq: 11 Sep 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	19921		
166	127.9	99.4	149.0	
129	106.5	81.8	122.8	
131	98.2	78.3	117.5	





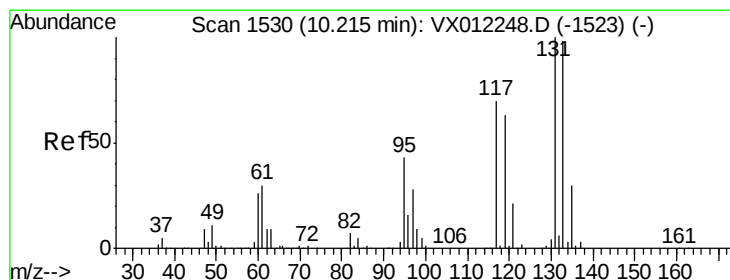
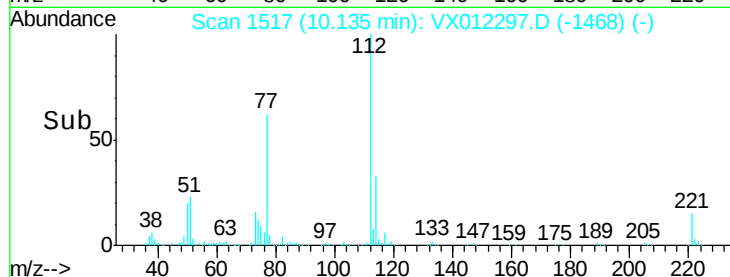
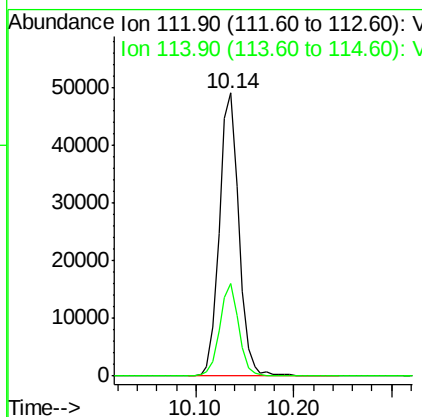
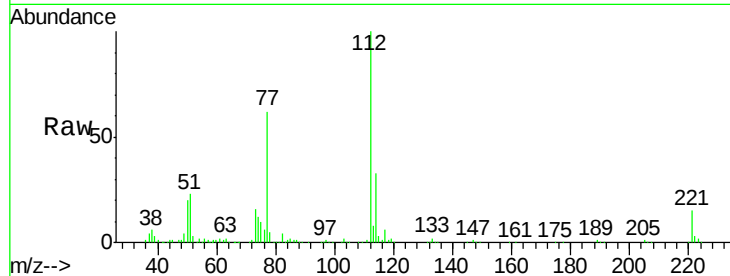
#65
Chlorobenzene
Concen: 22.475 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012297.D
Acq: 11 Sep 2019 12:49

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS01

Tot Ion:112 Resp: 68269
Ion Ratio Lower Upper
112 100
114 32.5 25.4 38.0

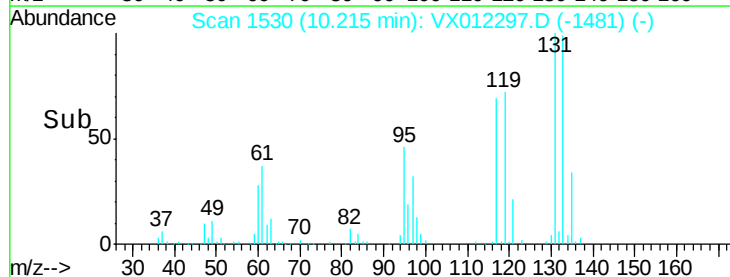
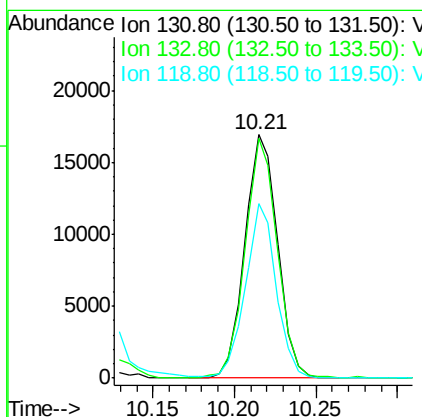
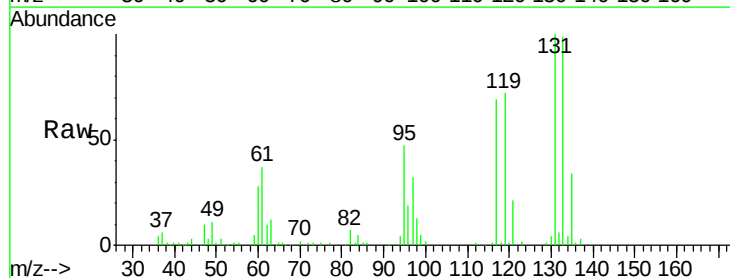
Manual Integrations
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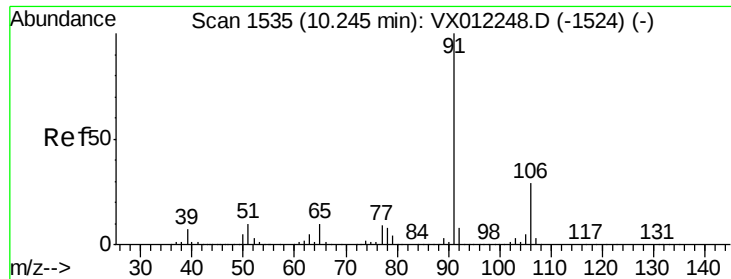
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.636 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX012297.D
Acq: 11 Sep 2019 12:49

Tgt Ion:131 Resp: 23630
Ion Ratio Lower Upper
131 100
133 96.8 48.0 144.2
119 68.2 31.6 95.0





#67

Ethyl Benzene

Concen: 22.355 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX012297.D

Acq: 11 Sep 2019 12:49

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS01

Tot Ion: 91 Resp: 120774

Ion Ratio Lower Upper

91 100

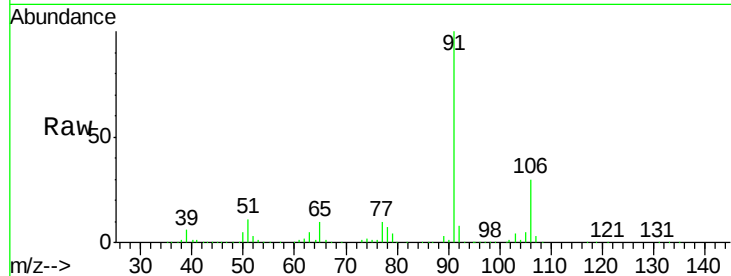
106 29.7 23.1 34.7

Manual Integrations

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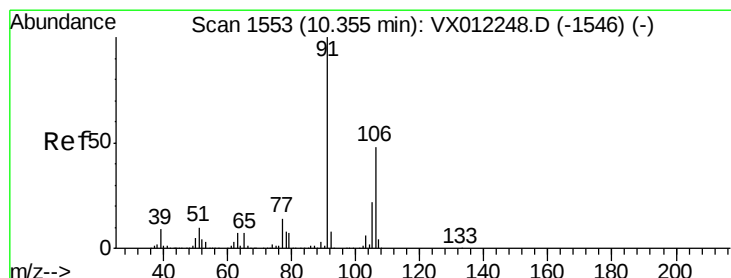
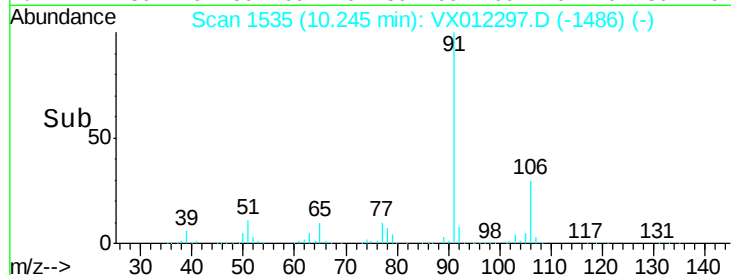
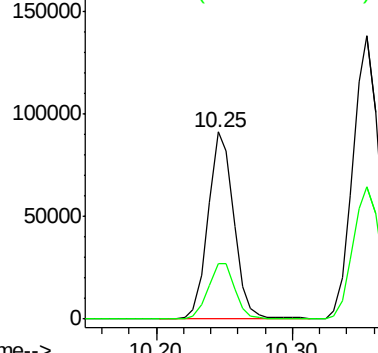
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 45.893 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX012297.D

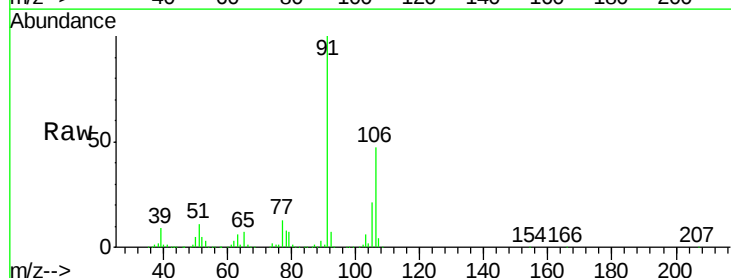
Acq: 11 Sep 2019 12:49

Tgt Ion: 106 Resp: 91269

Ion Ratio Lower Upper

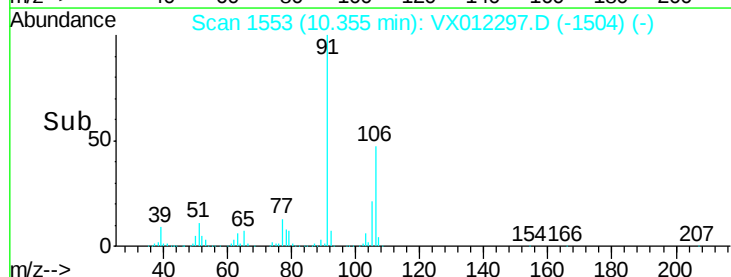
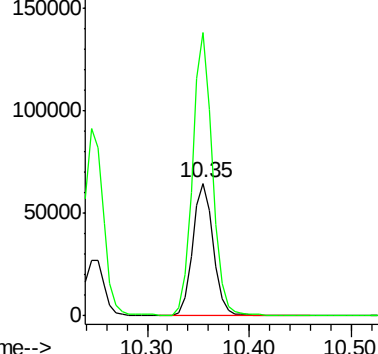
106 100

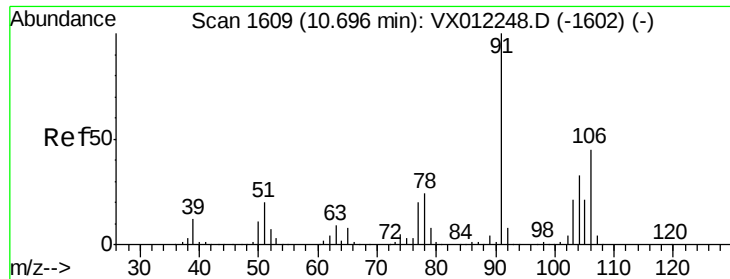
91 205.1 167.0 250.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





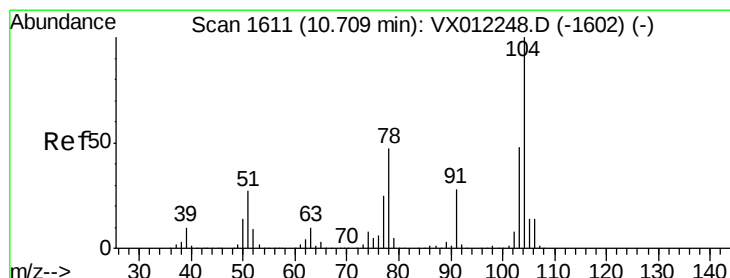
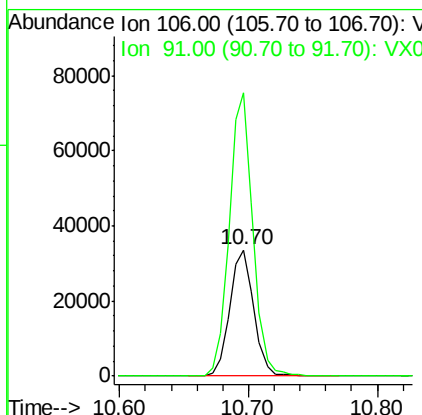
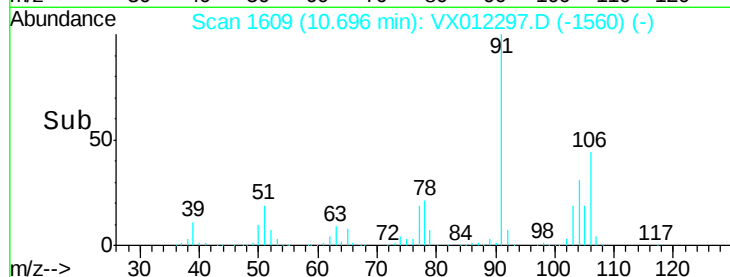
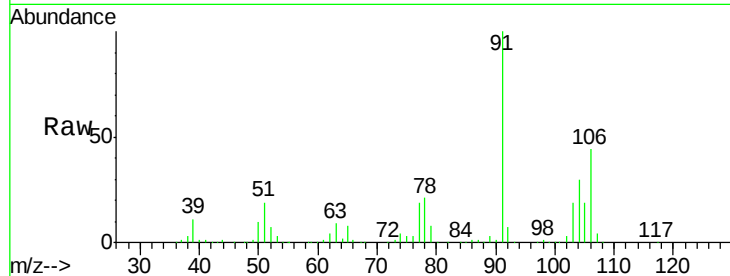
#69
o-Xylene
Concen: 22.528 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012297.D
Acq: 11 Sep 2019 12:49

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBSD01

Tot Ion:106 Resp: 43890
Ion Ratio Lower Upper
106 100
91 220.5 110.5 331.4

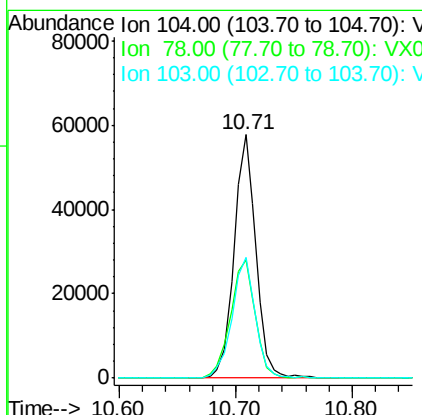
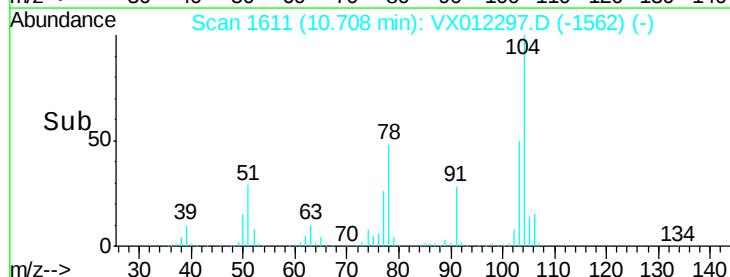
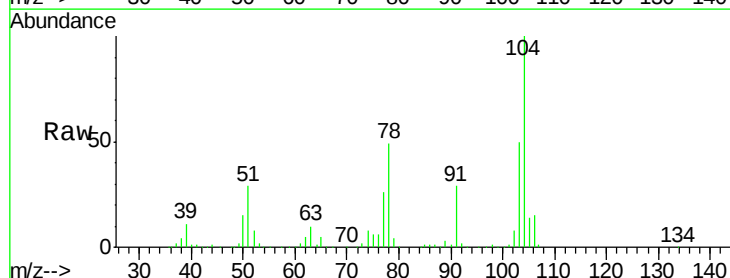
Manual Integrations
APPROVED

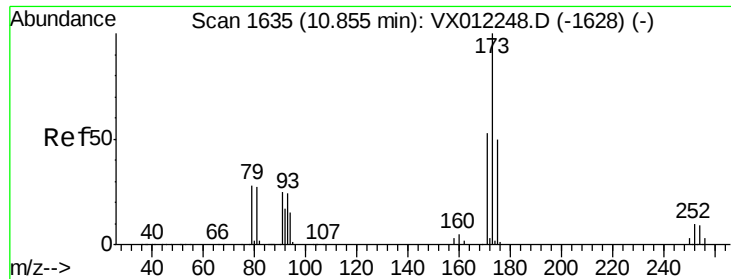
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#70
Styrene
Concen: 21.817 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012297.D
Acq: 11 Sep 2019 12:49

Tgt Ion:104 Resp: 75381
Ion Ratio Lower Upper
104 100
78 55.0 44.2 66.2
103 53.2 42.5 63.7





#71

Bromoform

Concen: 22.727 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012297.D

Acq: 11 Sep 2019 12:49

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS01

Tot Ion:173 Resp: 13495

Ion Ratio Lower Upper

173 100

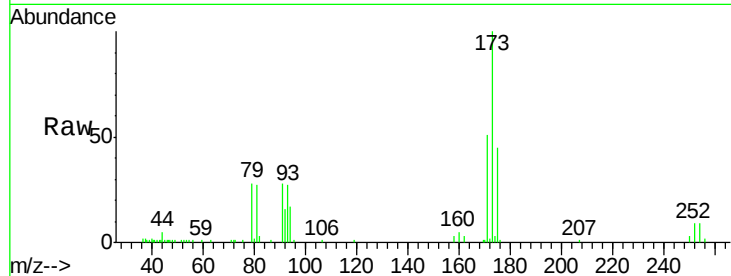
175 47.0 24.5 73.5

254 0.0 0.2 0.4#

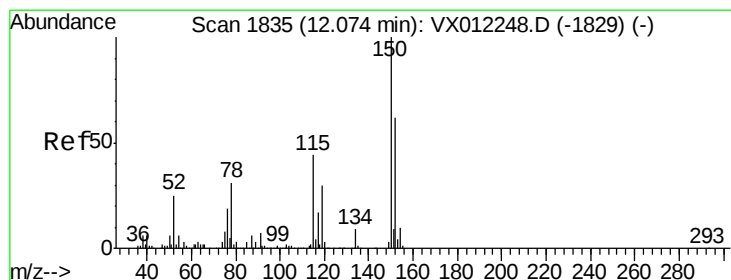
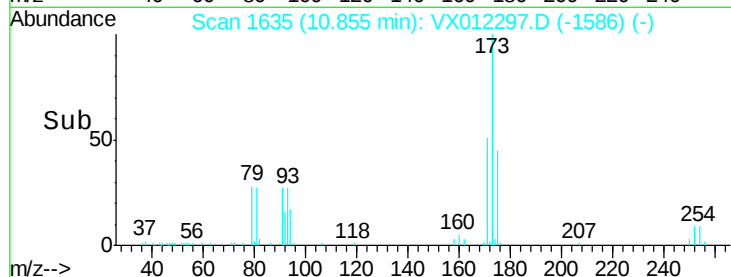
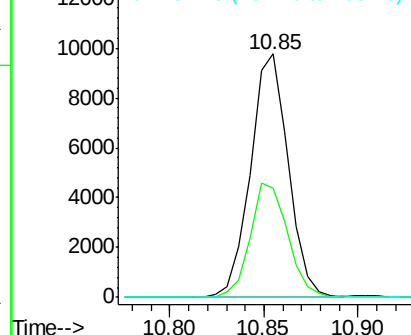
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012297.D

Acq: 11 Sep 2019 12:49

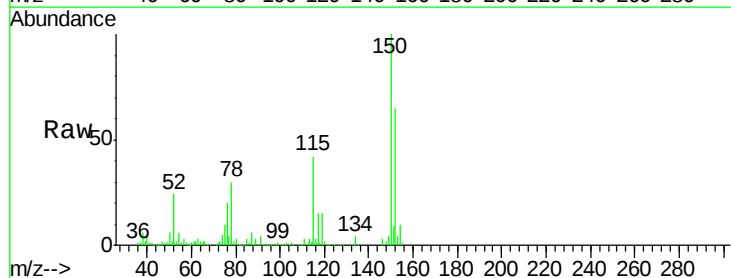
Tgt Ion:152 Resp: 84953

Ion Ratio Lower Upper

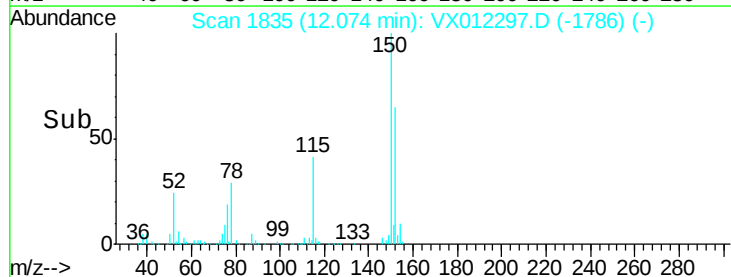
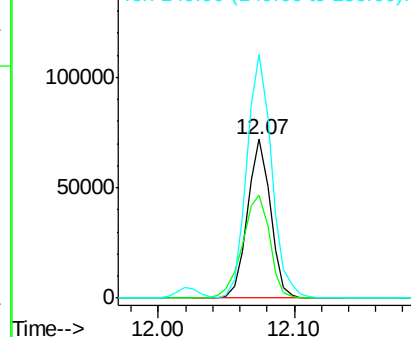
152 100

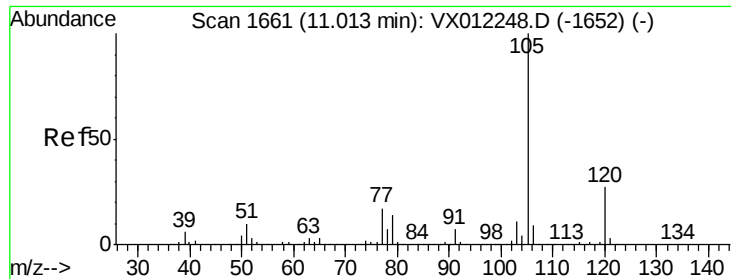
115 76.6 45.5 136.4

150 165.8 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: 21.729 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012297.D

Acq: 11 Sep 2019 12:49

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS01

Tot Ion:105 Resp: 121526

Ion Ratio Lower Upper

105 100

120 25.6

13.2

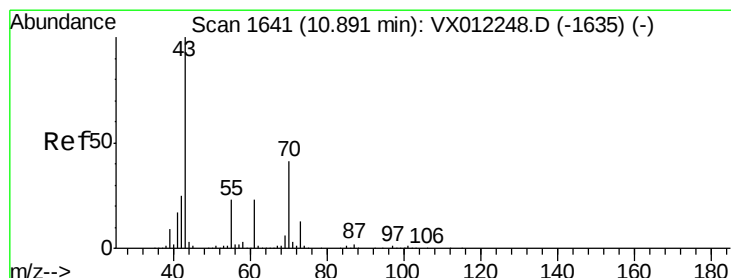
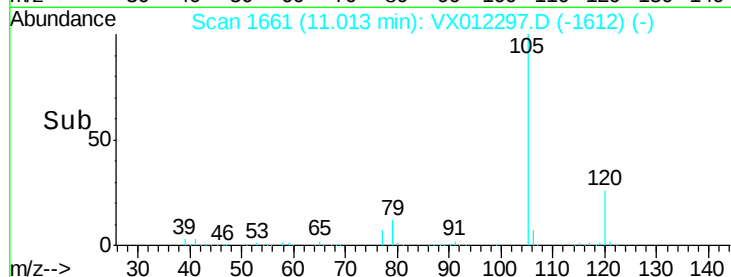
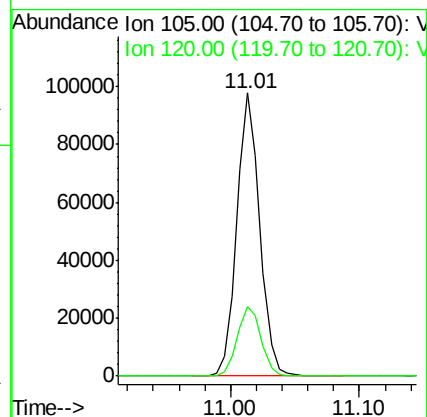
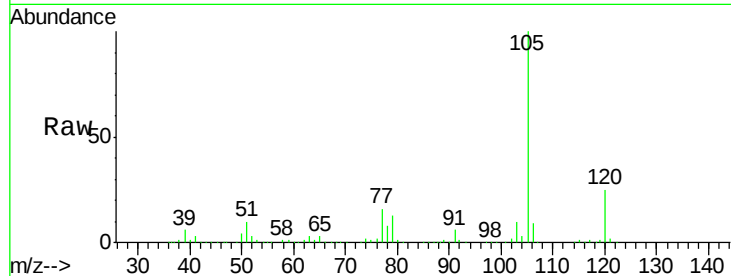
39.5

Manual Integrations

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#74

N-ethyl acetate

Concen: 23.308 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012297.D

Acq: 11 Sep 2019 12:49

Tgt Ion: 43 Resp: 38759

Ion Ratio Lower Upper

43 100

70 40.5

32.9

49.3

55 24.8

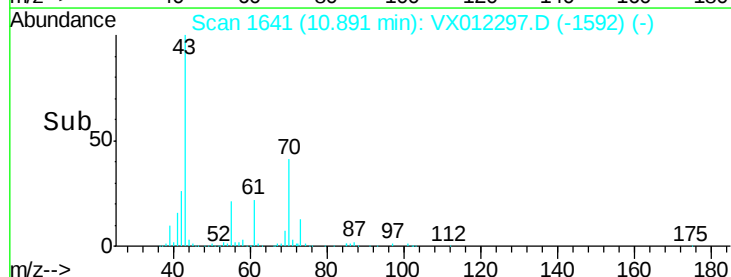
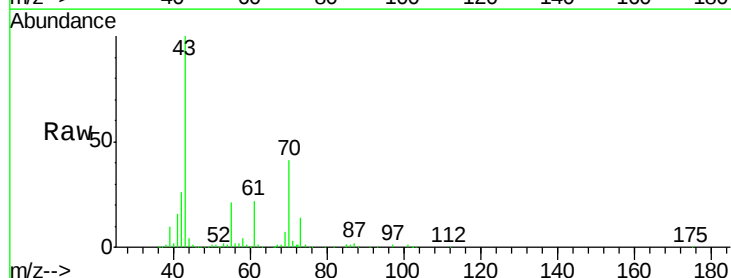
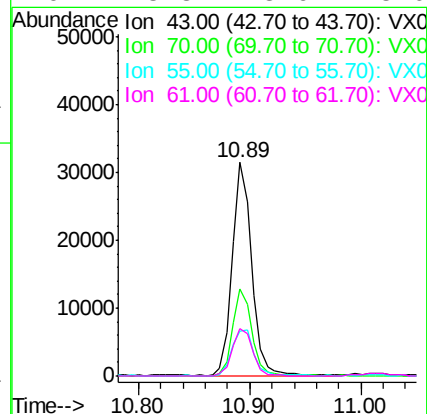
19.1

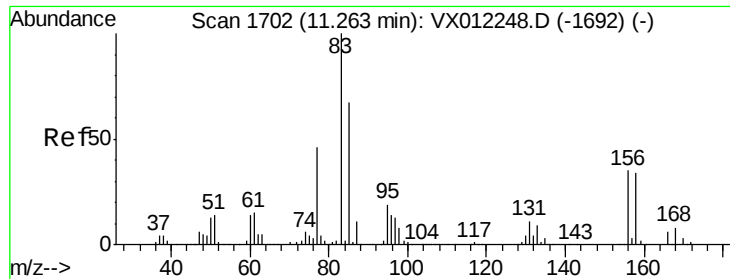
28.7

61 23.3

18.6

28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 24.530 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012297.D

Acq: 11 Sep 2019 12:49

Instrument :

MSVOA_X

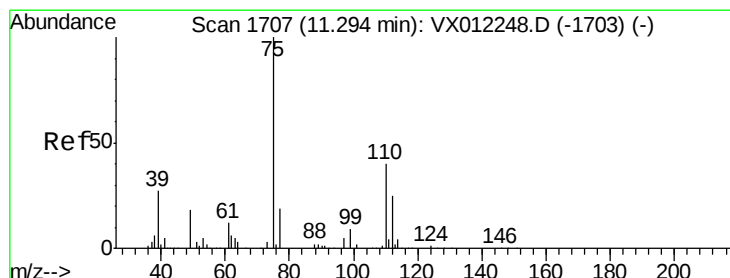
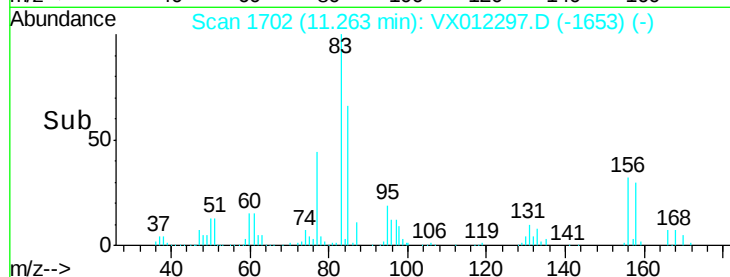
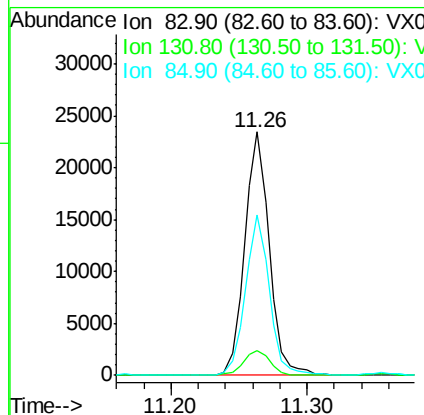
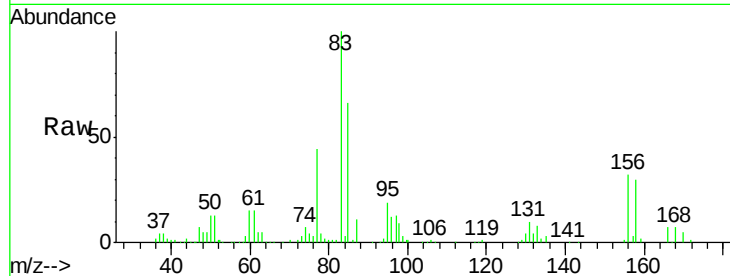
ClientSampleId :

VX0911SBS01

Tot Ion:	83	Resp:	29463
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.5	16.4
85	64.6	32.8	98.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 24.909 ug/l m

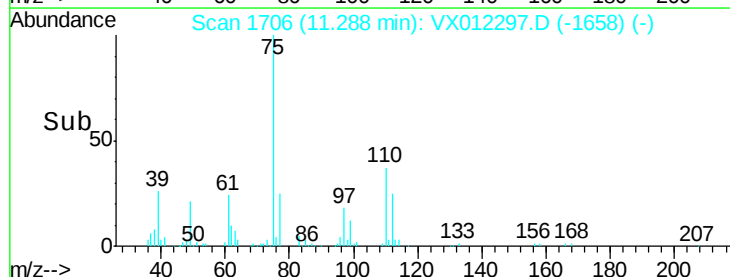
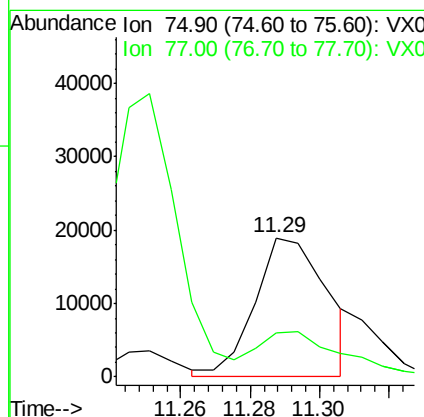
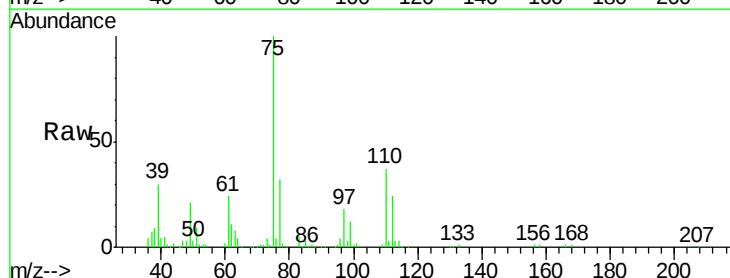
RT: 11.29 min Scan# 1706

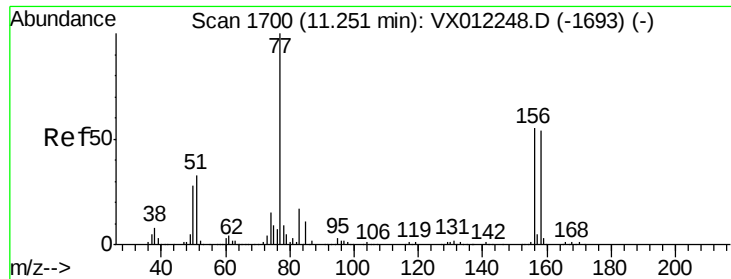
Delta R.T. -0.01 min

Lab File: VX012297.D

Acq: 11 Sep 2019 12:49

Tgt Ion:	75	Resp:	27184
Ion Ratio	Lower	Upper	
75	100		
77	37.9	19.7	59.0





#77

Bromobenzene

Concen: 21.821 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012297.D

Acq: 11 Sep 2019 12:49

Instrument :

MSVOA_X

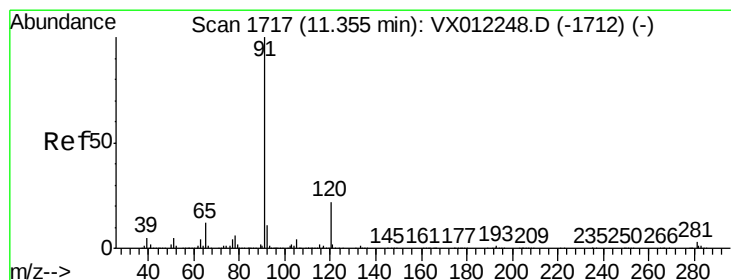
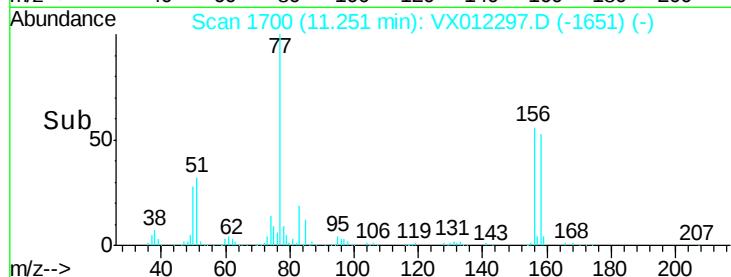
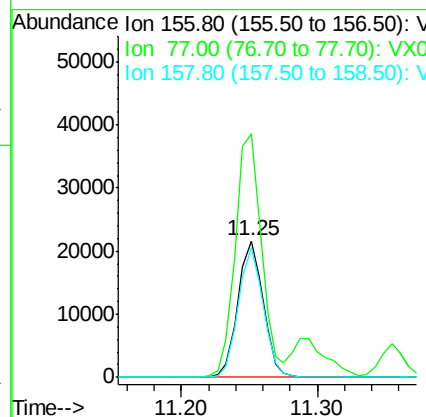
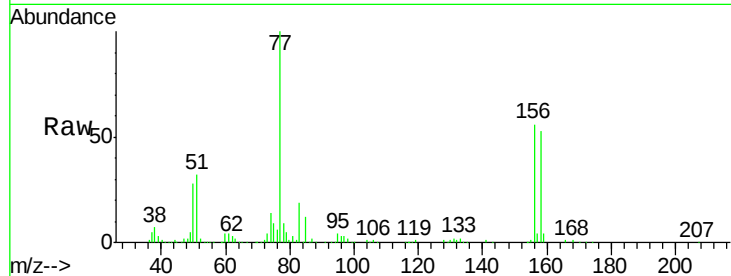
ClientSampleId :

VX0911SBS01

Tot Ion:	156	Resp:	28097
Ion Ratio	Lower	Upper	
156	100		
77	186.3	92.2	276.6
158	94.0	48.8	146.3

Manual Integrations
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#78

n-propylbenzene

Concen: 21.339 ug/l

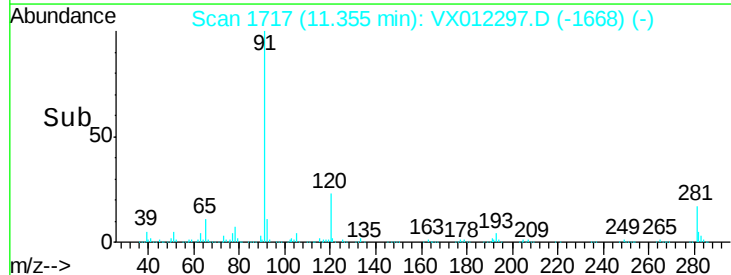
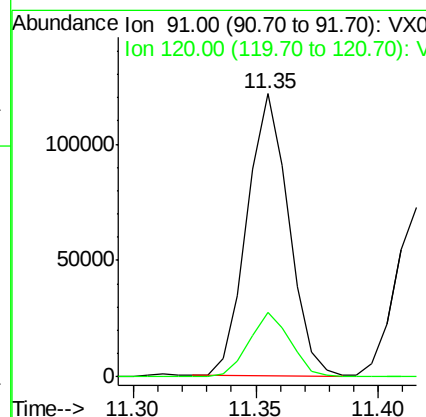
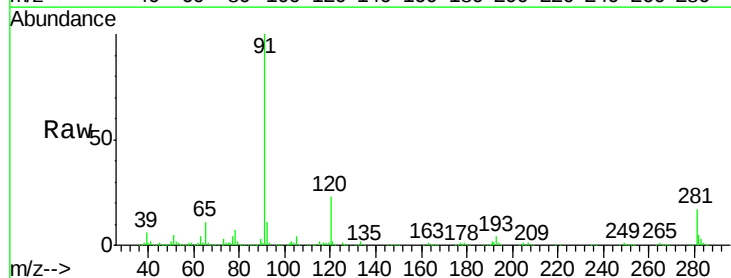
RT: 11.35 min Scan# 1717

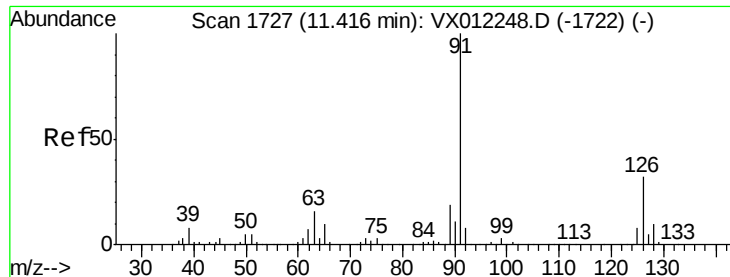
Delta R.T. -0.00 min

Lab File: VX012297.D

Acq: 11 Sep 2019 12:49

Tgt Ion:	91	Resp:	144119
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.2	33.6





#79

2-Chlorotoluene

Concen: 21.410 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012297.D

Acq: 11 Sep 2019 12:49

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBSD01

Tot Ion: 91 Resp: 89585

Ion Ratio Lower Upper

91 100

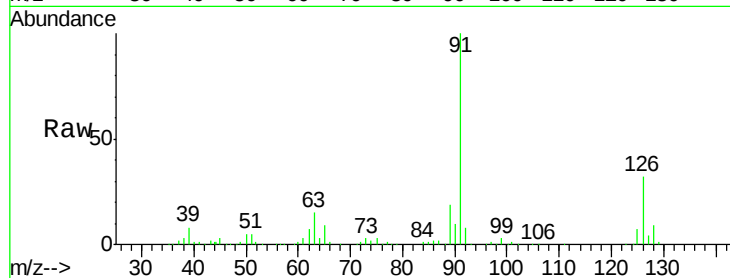
126 32.0 15.9 47.7

Manual Integrations

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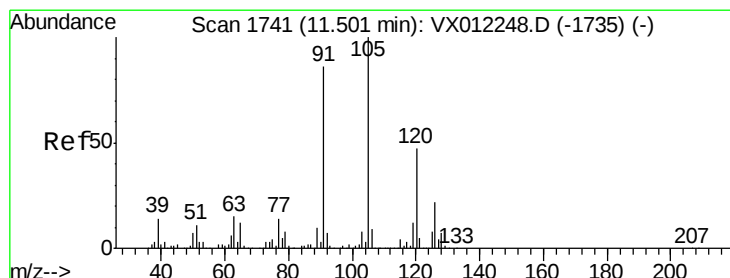
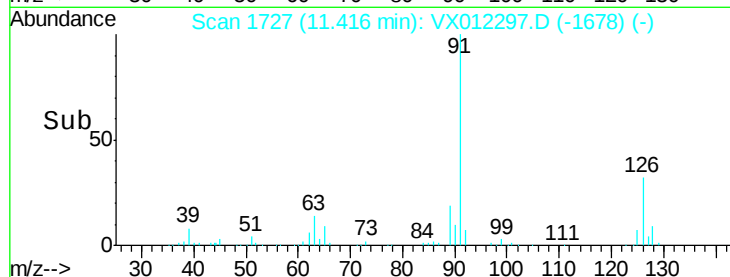
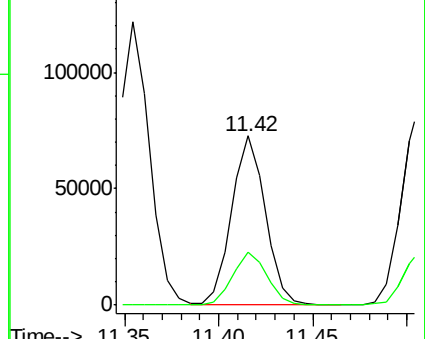
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 22.001 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012297.D

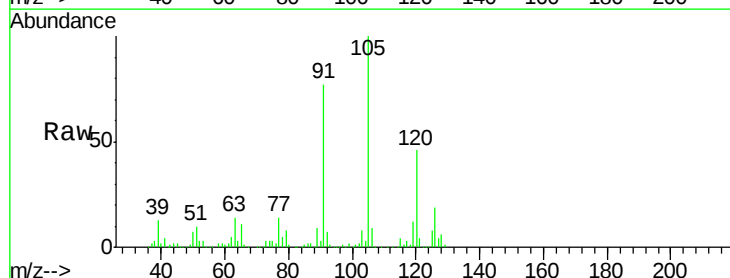
Acq: 11 Sep 2019 12:49

Tgt Ion:105 Resp: 110653

Ion Ratio Lower Upper

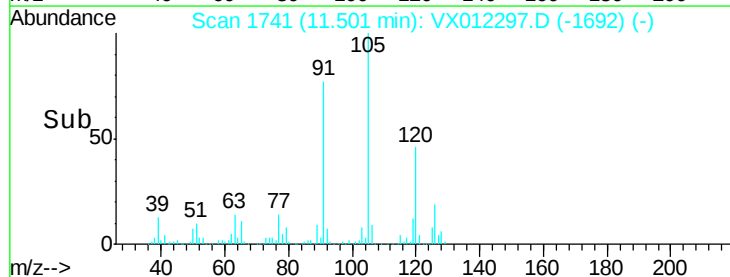
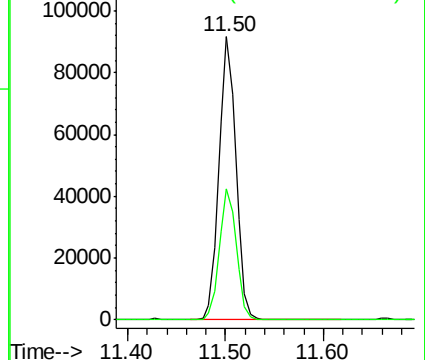
105 100

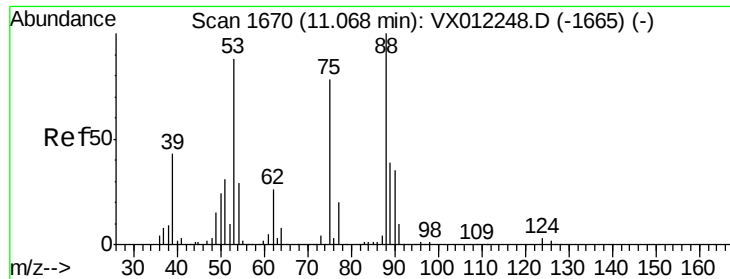
120 46.4 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.459 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX012297.D

Acq: 11 Sep 2019 12:49

Instrument :

MSVOA_X

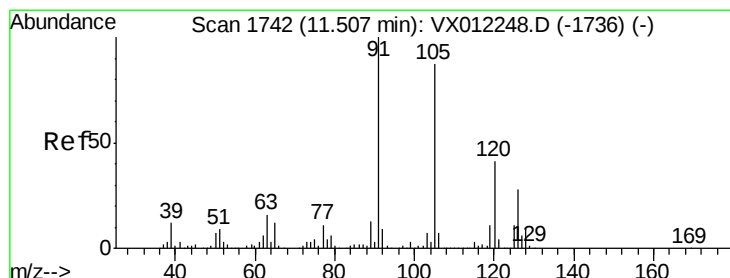
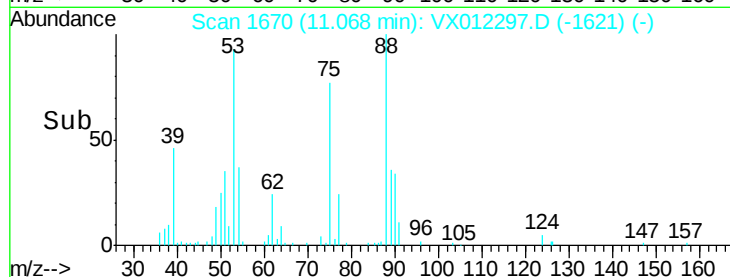
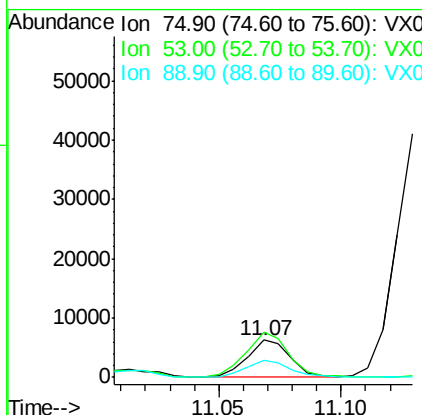
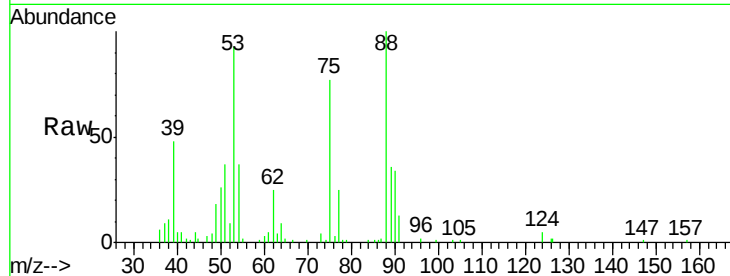
ClientSampleId :

VX0911SBSD01

Tot Ion:	75	Resp:	7452
Ion	Ratio	Lower	Upper
75	100		
53	126.9	88.1	132.1
89	49.4	43.5	65.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.508 ug/l

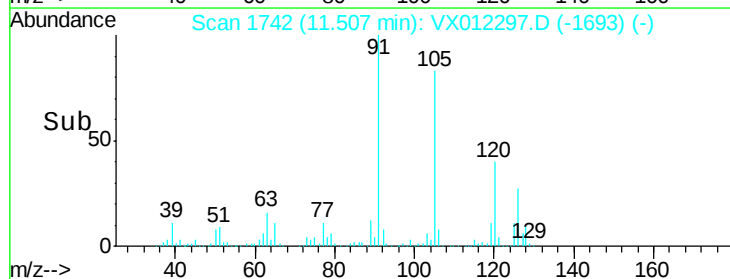
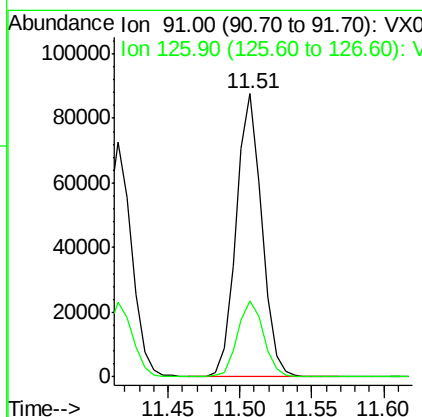
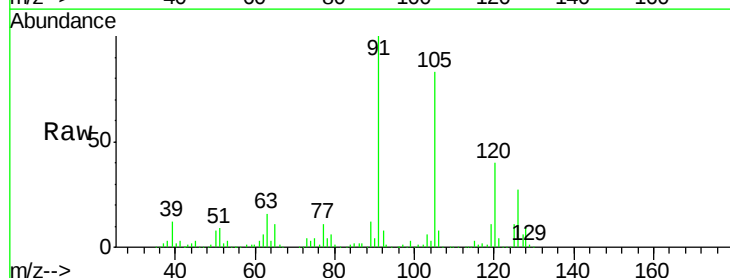
RT: 11.51 min Scan# 1742

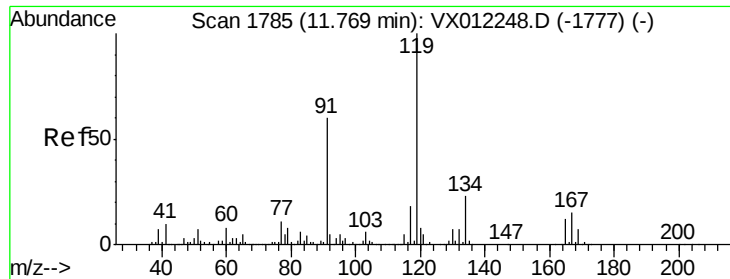
Delta R.T. -0.00 min

Lab File: VX012297.D

Acq: 11 Sep 2019 12:49

Tgt Ion:	91	Resp:	108154
Ion	Ratio	Lower	Upper
91	100		
126	27.9	14.0	42.0





#83

tert-Butylbenzene

Concen: 21.553 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VX012297.D

Acq: 11 Sep 2019 12:49

Instrument :

MSVOA_X

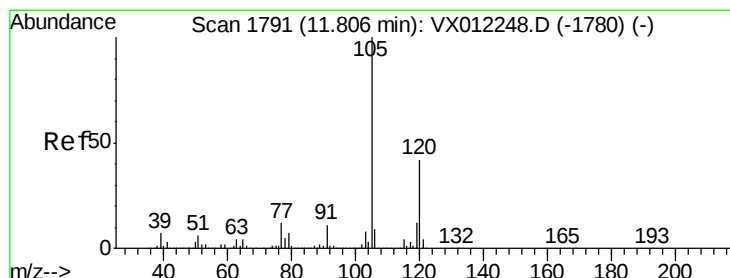
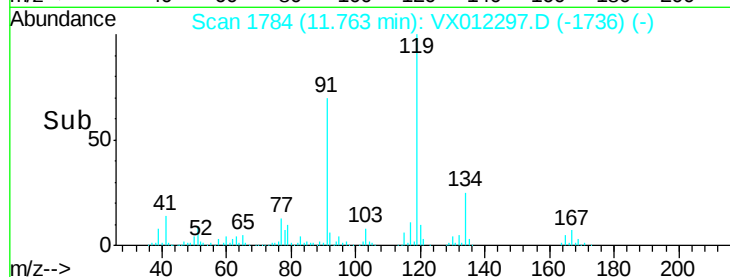
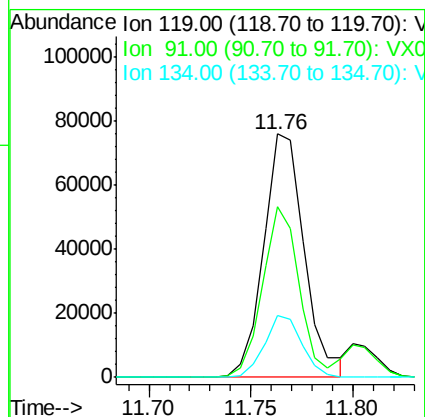
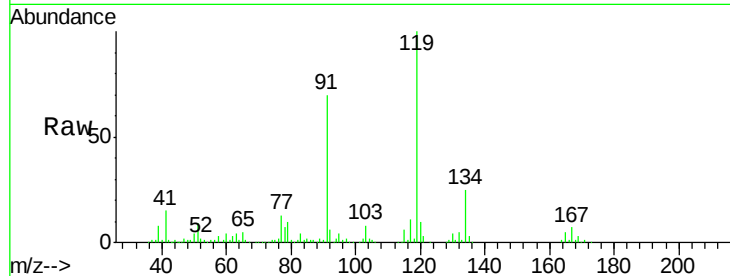
ClientSampleId :

VX0911SBS01

Tot Ion:	119	Resp:	105258
Ion Ratio	Lower	Upper	
119	100		
91	63.1	30.9	92.8
134	23.5	11.2	33.6

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 21.319 ug/l

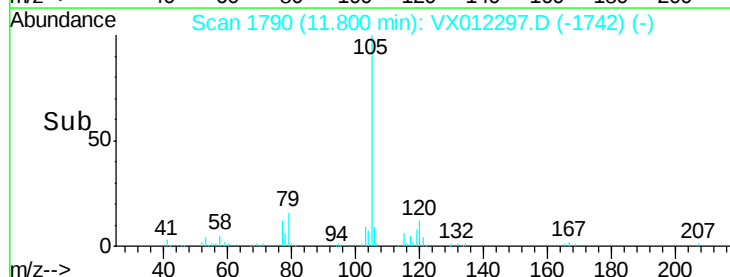
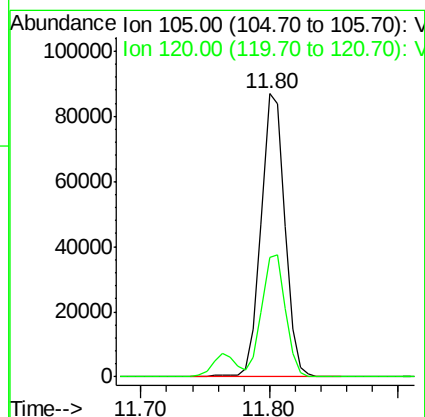
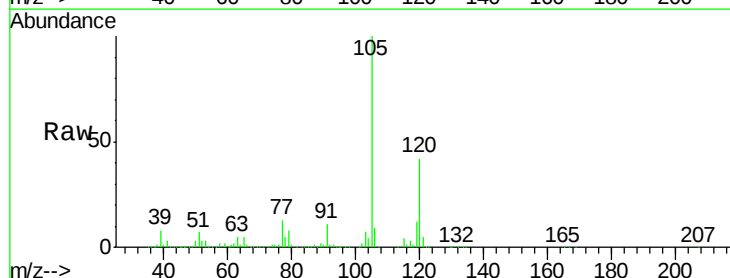
RT: 11.80 min Scan# 1790

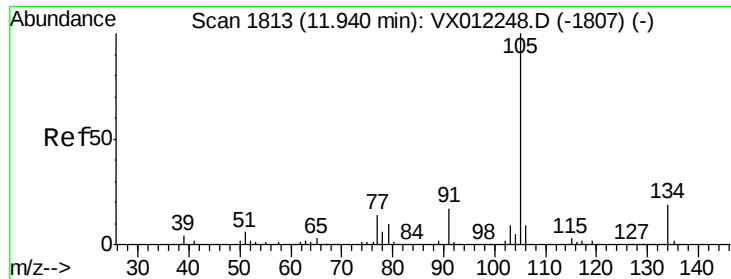
Delta R.T. -0.01 min

Lab File: VX012297.D

Acq: 11 Sep 2019 12:49

Tgt Ion:	105	Resp:	110844
Ion Ratio	Lower	Upper	
105	100		
120	43.0	21.3	63.9





#85

sec-Butylbenzene

Concen: 21.307 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012297.D

Acq: 11 Sep 2019 12:49

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS01

Tot Ion:105 Resp: 124156

Ion Ratio Lower Upper

105 100

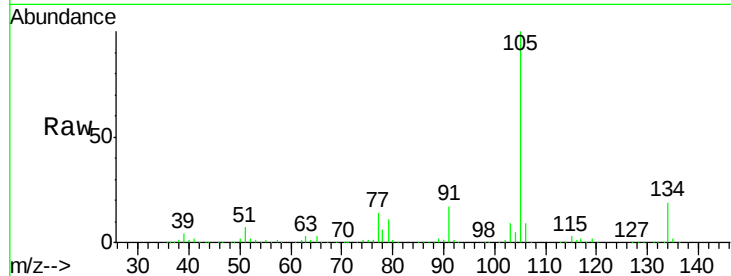
134 20.0 9.9 29.7

Manual Integrations

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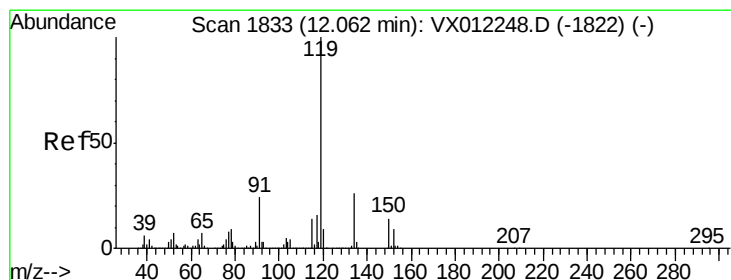
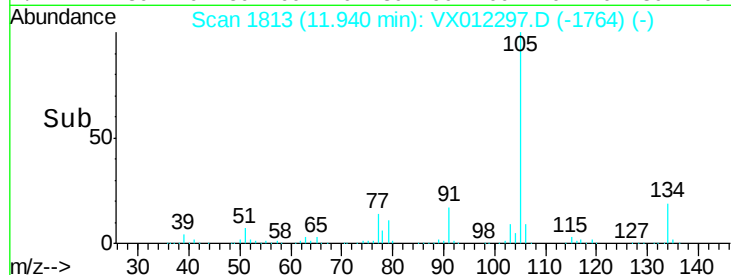
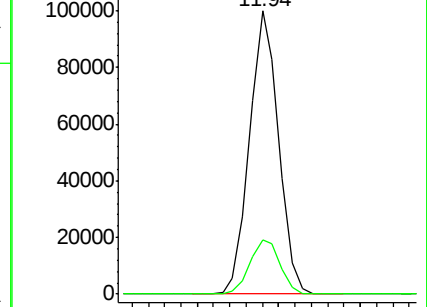
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.444 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012297.D

Acq: 11 Sep 2019 12:49

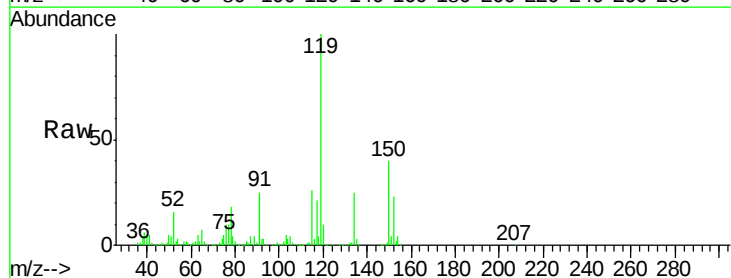
Tgt Ion:119 Resp: 115454

Ion Ratio Lower Upper

119 100

134 25.5 12.9 38.7

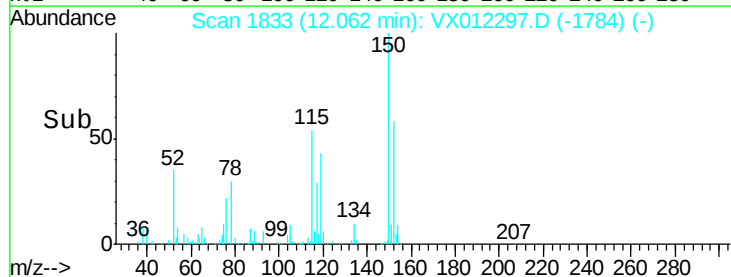
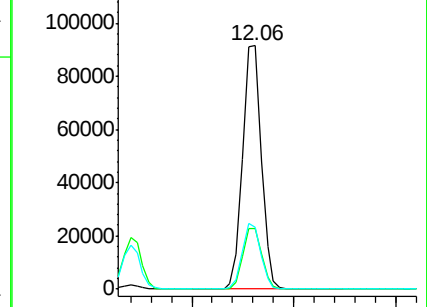
91 26.6 13.1 39.1

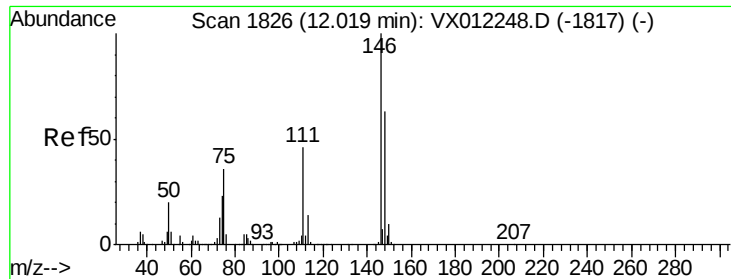


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





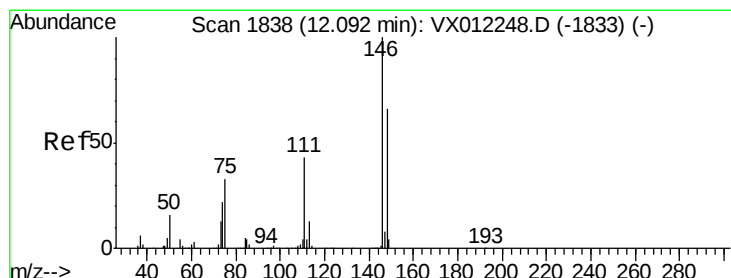
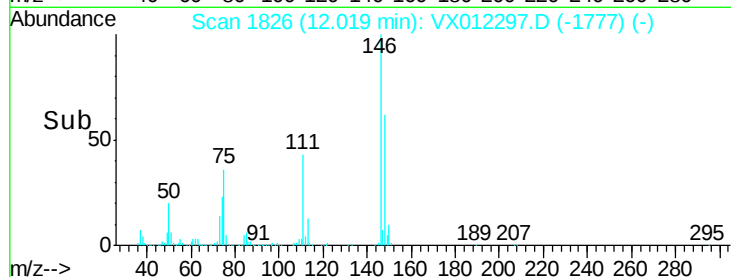
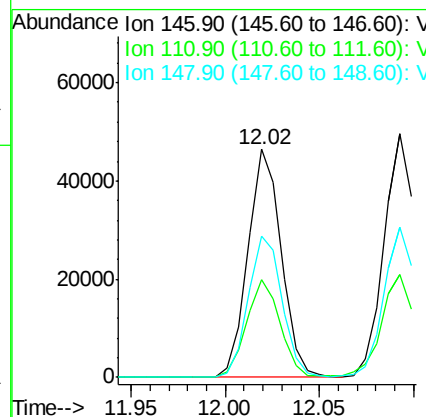
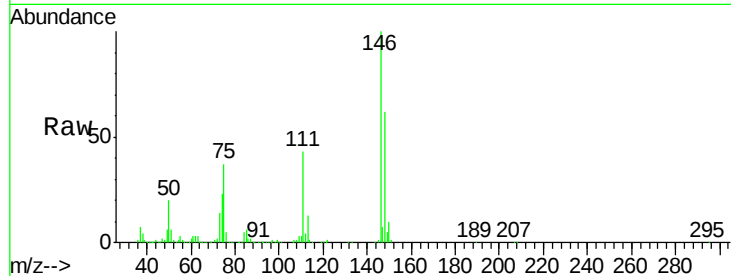
#87
 1,3-Dichlorobenzene
 Concen: 21.727 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012297.D
 Acq: 11 Sep 2019 12:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	22.3	66.8
148	63.0	31.5	94.5

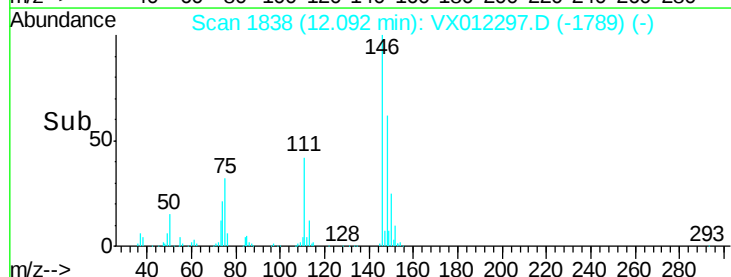
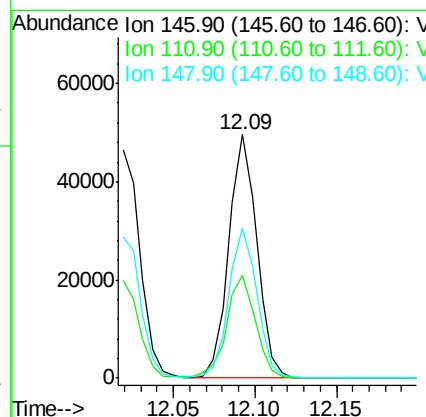
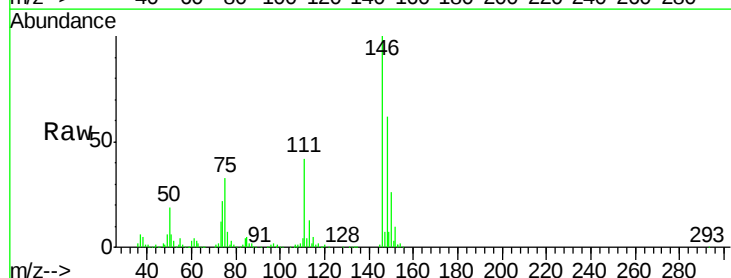
Manual Integrations
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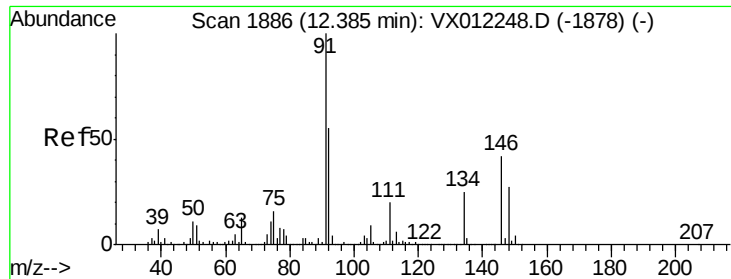
MMDadoda
 9/12/2019 9:26:28 AM



#88
 1,4-Dichlorobenzene
 Concen: 22.331 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012297.D
 Acq: 11 Sep 2019 12:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.6	64.8
148	62.3	32.4	97.2





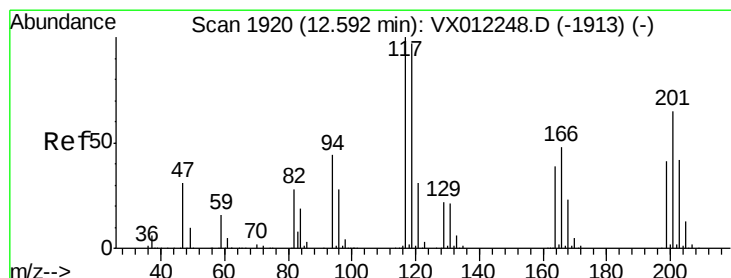
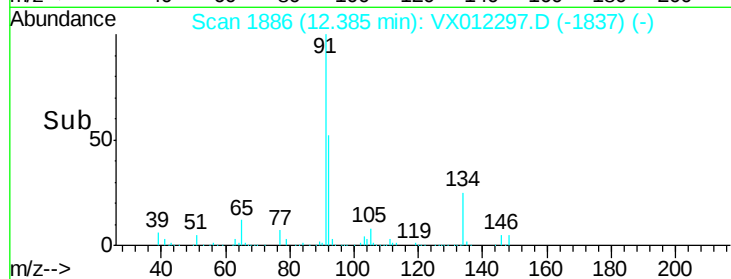
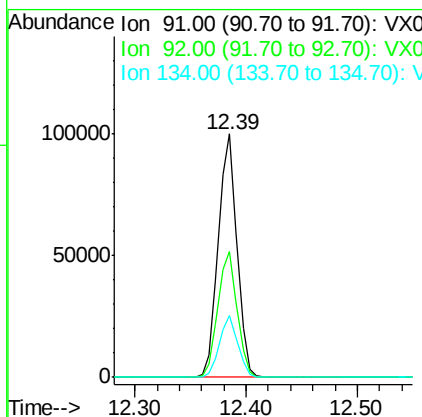
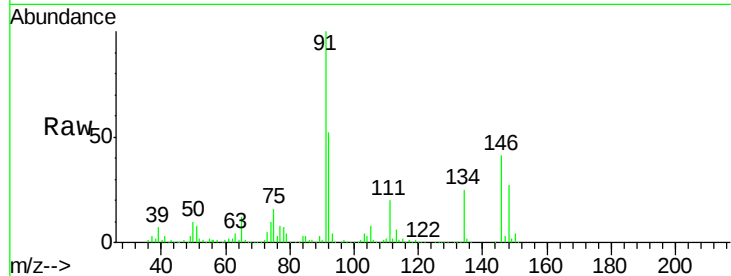
#89
n-Butylbenzene
Concen: 22.127 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012297.D
Acq: 11 Sep 2019 12:49

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	116765		
92	52.9		27.6	82.7
134	24.8		12.5	37.5

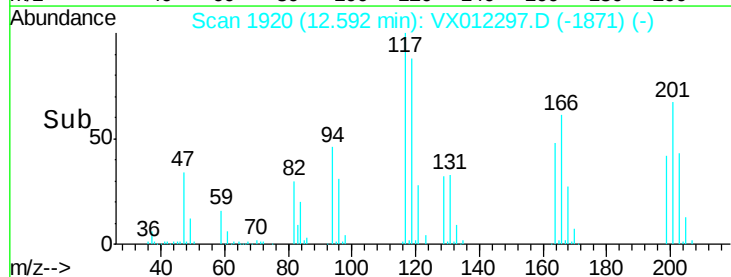
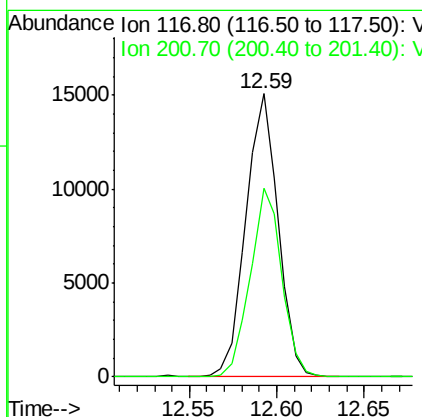
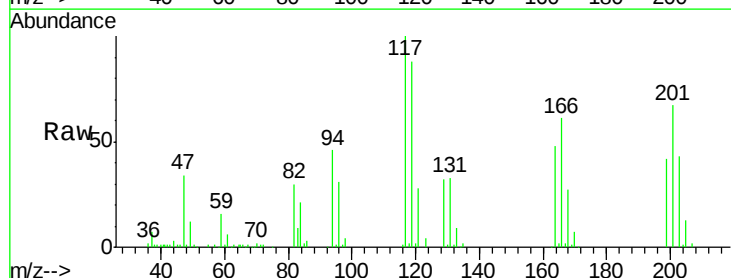
Manual Integrations
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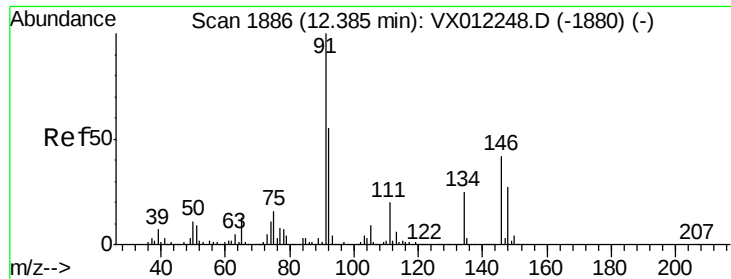
MMDadoda
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#90
Hexachloroethane
Concen: 19.514 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012297.D
Acq: 11 Sep 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	19352		
201	65.2		32.2	96.6





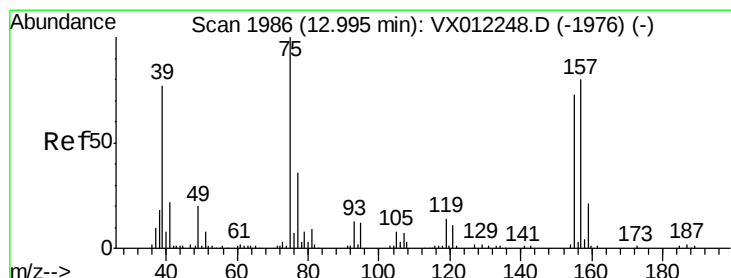
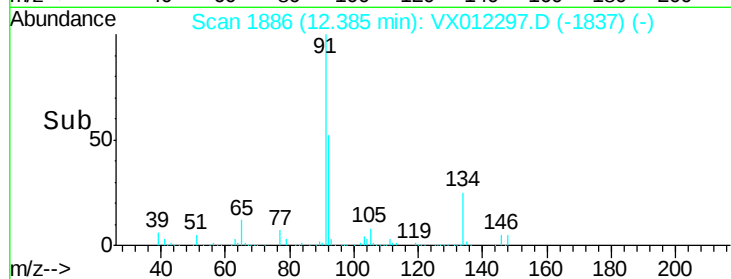
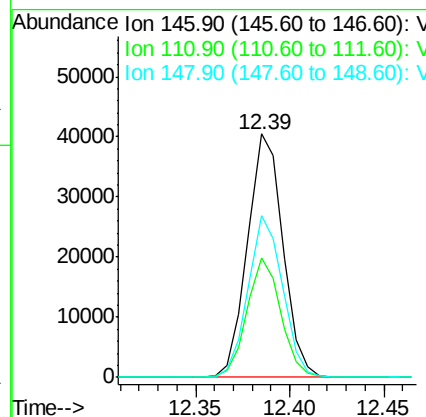
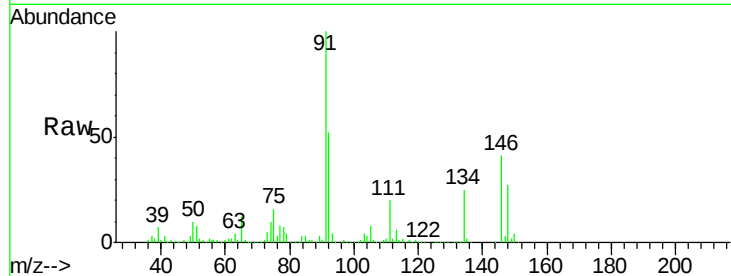
#91
 1,2-Dichlorobenzene
 Concen: 21.787 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012297.D
 Acq: 11 Sep 2019 12:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.3	23.2	69.6
148	64.7	32.4	97.0

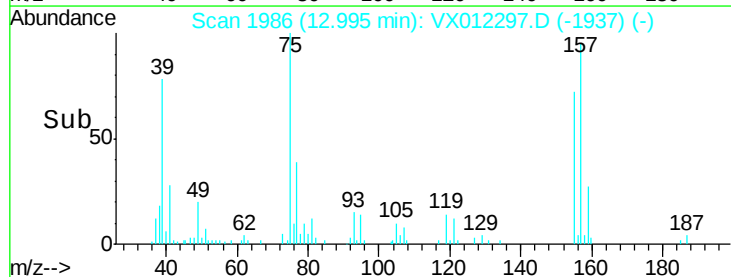
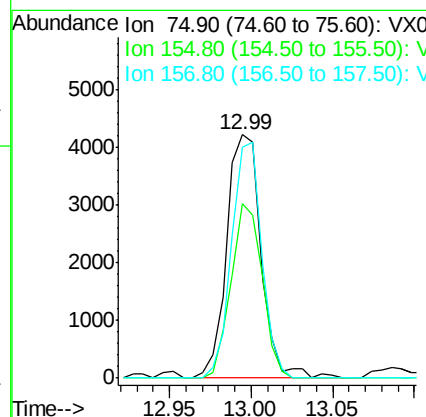
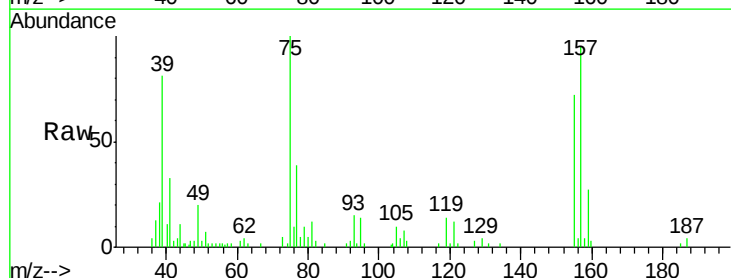
Manual Integrations
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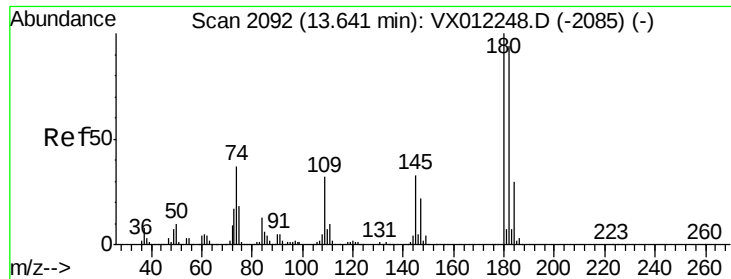
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 25.317 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012297.D
 Acq: 11 Sep 2019 12:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	64.7	35.3	105.7
157	84.2	43.2	129.6





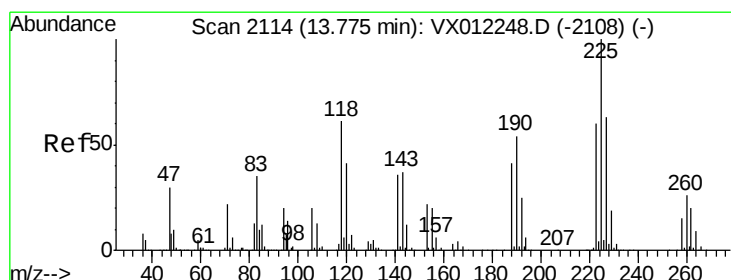
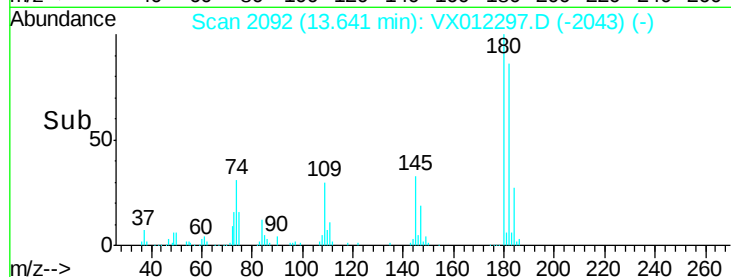
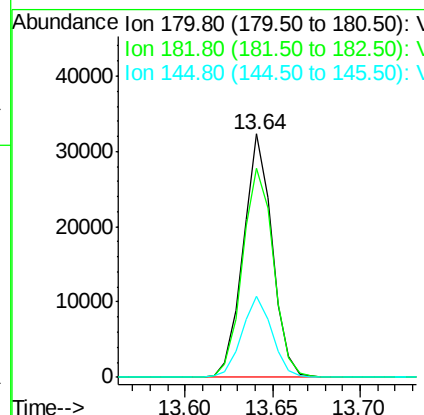
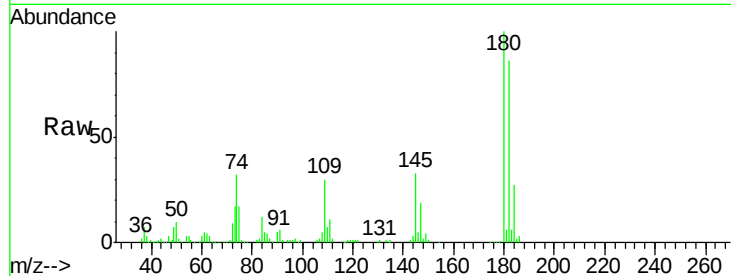
#93
 1,2,4-Trichlorobenzene
 Concen: 22.084 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012297.D
 Acq: 11 Sep 2019 12:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	37005		
182	92.0	46.9	140.8	
145	34.8	17.1	51.2	

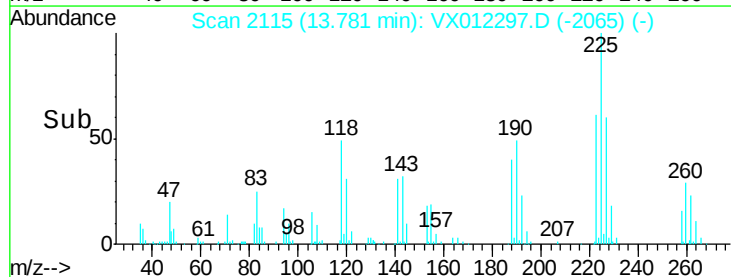
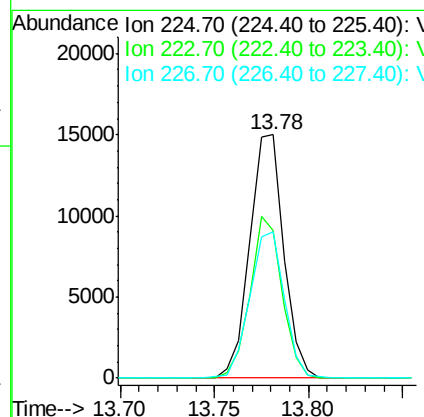
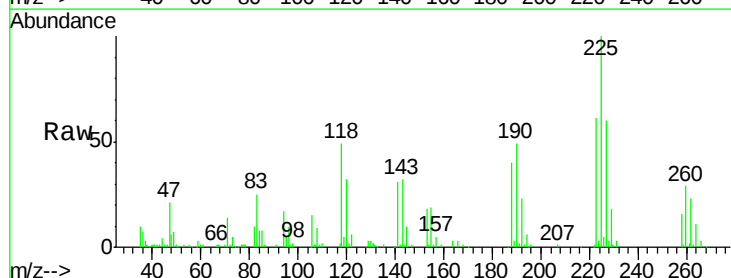
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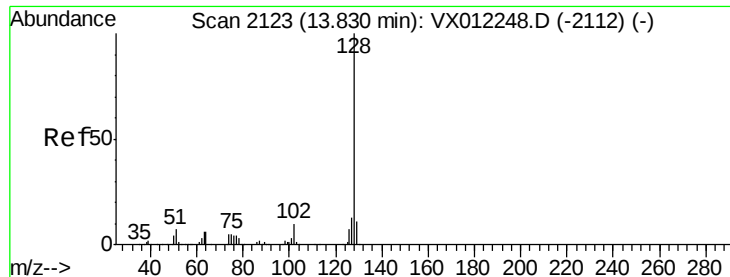
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#94
 Hexachlorobutadiene
 Concen: 22.537 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.01 min
 Lab File: VX012297.D
 Acq: 11 Sep 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	18787		
223	62.3	32.1	96.5	
227	60.6	32.5	97.5	





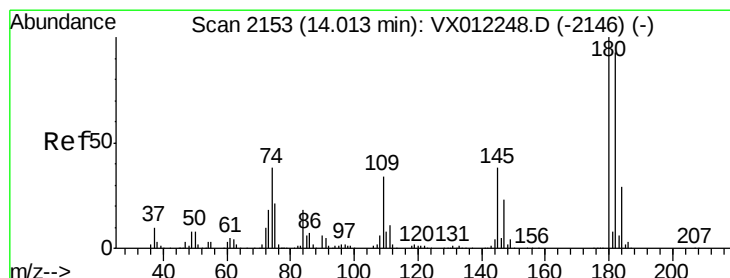
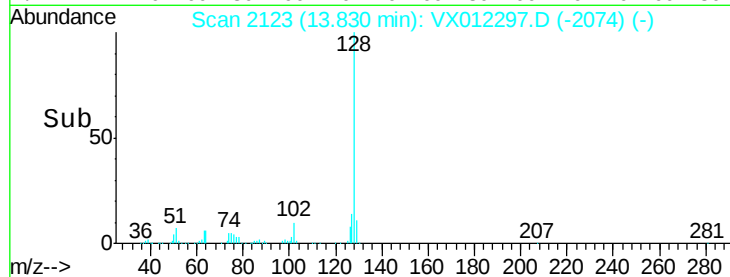
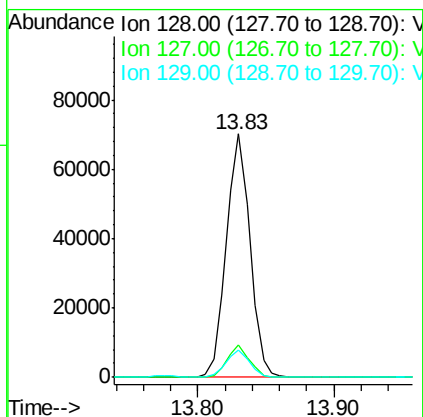
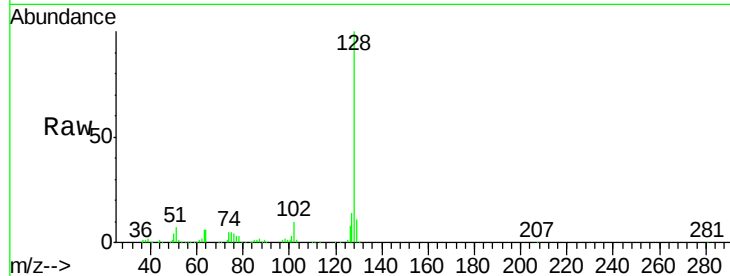
#95
Naphthalene
Concen: 23.588 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012297.D
Acq: 11 Sep 2019 12:49

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBSD01

Tot Ion:	128	Resp:	84820
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.2
129	11.2	8.9	13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.450 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX012297.D
Acq: 11 Sep 2019 12:49

Tgt Ion:	180	Resp:	31802
Ion Ratio	Lower	Upper	
180	100		
182	97.8	47.0	141.0
145	38.8	18.6	55.8

