

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091119\
 Data File : VX012293.D
 Acq On : 11 Sep 2019 10:56
 Operator : SY/SP
 Sample : VX0911SBS01
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 9:26:25 AM

Quant Time: Sep 12 05:57:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	141596	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	245607	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	225017	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	111371	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	94269	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	
35) Dibromofluoromethane	5.48	113	74579	47.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.74%	
50) Toluene-d8	8.71	98	284773	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
62) 4-Bromofluorobenzene	11.14	95	119434	46.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	25631	22.140	ug/l	99
3) Chloromethane	1.31	50	23072	22.110	ug/l	97
4) Vinyl Chloride	1.39	62	22745	21.983	ug/l	100
5) Bromomethane	1.62	94	10447	22.350	ug/l	99
6) Chloroethane	1.70	64	14509	20.971	ug/l	97
7) Trichlorofluoromethane	1.91	101	41243	22.025	ug/l	99
8) Diethyl Ether	2.17	74	13275	20.775	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	28350	22.463	ug/l	99
10) Methyl Iodide	2.50	142	20084	16.720	ug/l	99
11) Tert butyl alcohol	3.02	59	35450	163.575	ug/l #	93
12) 1,1-Dichloroethene	2.36	96	24577	22.938	ug/l	96
13) Acrolein	2.28	56	10483	100.174	ug/l	98
14) Allyl chloride	2.71	41	46198	21.149	ug/l	99
15) Acrylonitrile	3.13	53	42016	106.374	ug/l	98
16) Acetone	2.43	43	51191	108.019	ug/l	96
17) Carbon Disulfide	2.55	76	46883	20.837	ug/l	96
18) Methyl Acetate	2.76	43	20177	20.256	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	87306	20.634	ug/l	96
20) Methylene Chloride	2.84	84	33103	20.853	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	28133	22.008	ug/l	96
22) Diisopropyl ether	3.84	45	102890	20.595	ug/l	93
23) Vinyl Acetate	3.80	43	317975	103.740	ug/l	99
24) 1,1-Dichloroethane	3.68	63	57528	21.498	ug/l	98
25) 2-Butanone	4.65	43	62560	103.265	ug/l	98
26) 2,2-Dichloropropane	4.57	77	54874	21.842	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	35468	21.491	ug/l	98
28) Bromochloromethane	5.00	49	22788	18.157	ug/l	100
29) Tetrahydrofuran	5.12	42	33982	103.963	ug/l	98
30) Chloroform	5.20	83	63007	20.880	ug/l	93
31) Cyclohexane	5.56	56	41127	22.125	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	55404	21.383	ug/l	98
36) 1,1-Dichloropropene	5.78	75	40119	22.402	ug/l	98
37) Ethyl Acetate	4.82	43	23527	21.252	ug/l #	95
38) Carbon Tetrachloride	5.77	117	45480	21.645	ug/l	94

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Quant Time: Sep 12 05:57:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	44486	22.635	ug/l	97
40) Benzene	6.13	78	118640	21.888	ug/l	97
41) Methacrylonitrile	5.03	41	13850	20.294	ug/l	95
42) 1,2-Dichloroethane	6.18	62	46534	21.722	ug/l	100
43) Isopropyl Acetate	6.43	43	48581	20.814	ug/l	100
44) Trichloroethene	7.20	130	32016	21.826	ug/l	98
45) 1,2-Dichloropropane	7.51	63	32326	21.546	ug/l	99
46) Dibromomethane	7.65	93	17792	21.698	ug/l	99
47) Bromodichloromethane	7.89	83	45555	20.358	ug/l	95
48) Methyl methacrylate	7.76	41	23313	20.867	ug/l	99
49) 1,4-Dioxane	7.73	88	6056	401.718	ug/l #	93
51) 4-Methyl-2-Pentanone	8.64	43	127367	103.396	ug/l	100
52) Toluene	8.78	92	80134	22.383	ug/l	98
53) t-1,3-Dichloropropene	9.03	75	46713	20.915	ug/l	95
54) cis-1,3-Dichloropropene	8.43	75	52606	21.241	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	27133	21.359	ug/l	98
56) Ethyl methacrylate	9.17	69	35083	20.397	ug/l	98
57) 1,3-Dichloropropane	9.37	76	46930	21.630	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	86534	98.159	ug/l	99
59) 2-Hexanone	9.48	43	91089	106.349	ug/l	99
60) Dibromochloromethane	9.57	129	30527	20.584	ug/l	97
61) 1,2-Dibromoethane	9.67	107	25143	21.262	ug/l	99
64) Tetrachloroethene	9.33	164	26636	22.382	ug/l	96
65) Chlorobenzene	10.14	112	88722	21.579	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	32919	21.240	ug/l	99
67) Ethyl Benzene	10.25	91	158547	21.682	ug/l	95
68) m/p-Xylenes	10.35	106	118856	44.154	ug/l	99
69) o-Xylene	10.70	106	56893	21.575	ug/l	99
70) Styrene	10.71	104	100193	21.424	ug/l	99
71) Bromoform	10.85	173	16315	20.300	ug/l #	99
73) Isopropylbenzene	11.01	105	157650	21.502	ug/l	100
74) N-amyl acetate	10.89	43	43271	19.849	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	33281	21.136	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	29417m	20.561	ug/l	
77) Bromobenzene	11.25	156	35750	21.178	ug/l	99
78) n-propylbenzene	11.35	91	195163	22.043	ug/l	100
79) 2-Chlorotoluene	11.42	91	117046	21.337	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	144536	21.921	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	8803	18.435	ug/l	91
82) 4-Chlorotoluene	11.51	91	142090	21.554	ug/l	98
83) tert-Butylbenzene	11.76	119	139022	21.714	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	146373	21.475	ug/l	98
85) sec-Butylbenzene	11.94	105	167806	21.967	ug/l	99
86) p-Isopropyltoluene	12.06	119	155521	22.033	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	73547	21.388	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	73703	21.197	ug/l	99
89) n-Butylbenzene	12.38	91	150030	21.686	ug/l	99
90) Hexachloroethane	12.59	117	26297	20.227	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	68103	21.410	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	6659	20.718	ug/l	96

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MSVOA_X
ClientSampleId :
VX0911SBS01

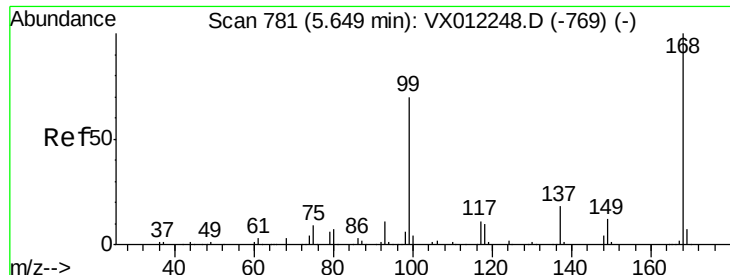
Manual Integrations
APPROVED

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9/12/2019 9:26:25 AM

Quant Time: Sep 12 05:57:25 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 12:55:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	44894	20.437	ug/l	98
94) Hexachlorobutadiene	13.78	225	23830	21.806	ug/l	96
95) Naphthalene	13.83	128	93712	19.879	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	40122	20.643	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX012293.D

Acq: 11 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS01

Tot Ion:168 Resp: 141596

Ion Ratio Lower Upper

168 100

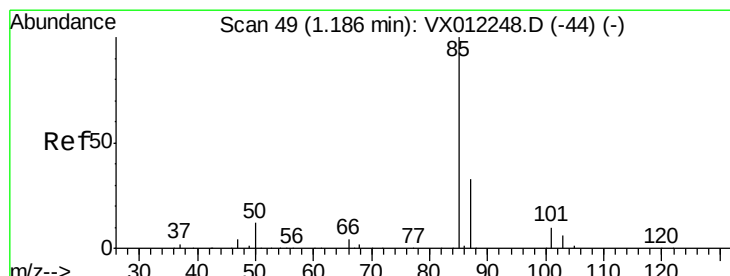
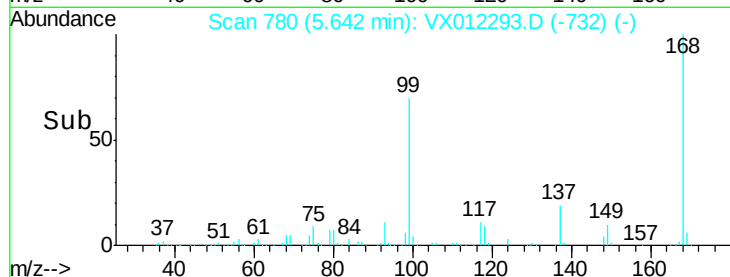
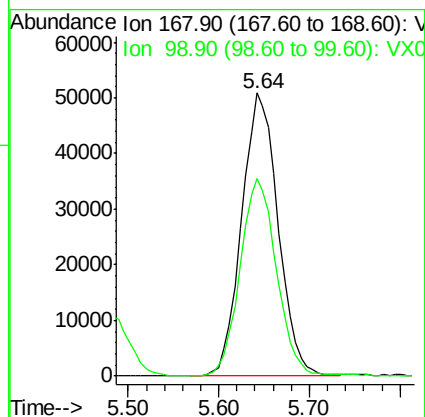
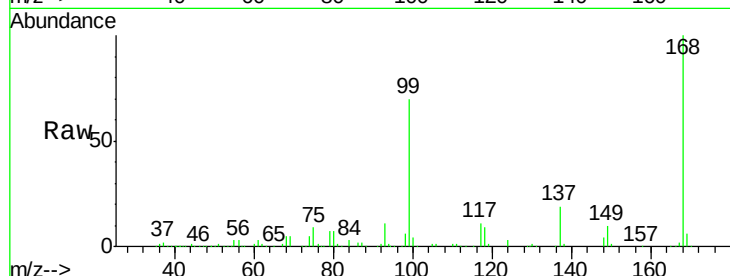
99 69.7 55.8 83.6

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 22.140 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012293.D

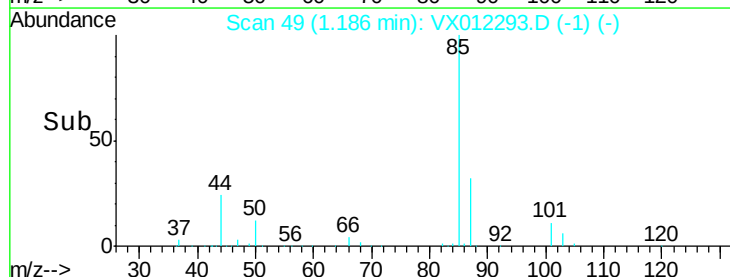
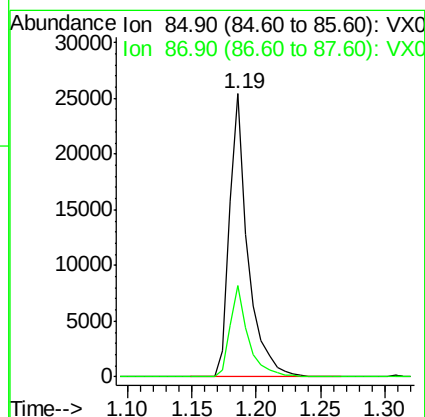
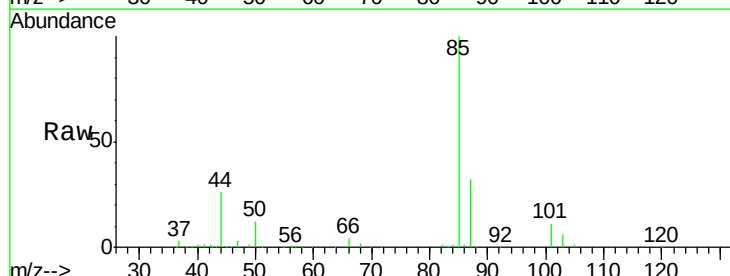
Acq: 11 Sep 2019 10:56

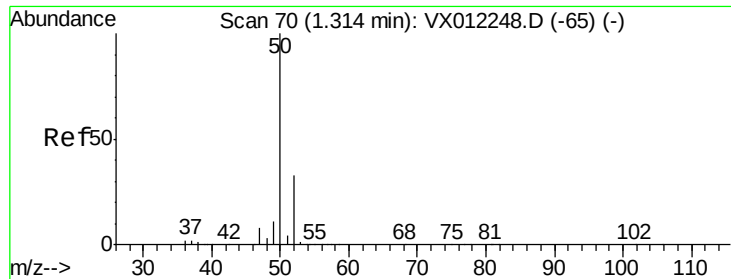
Tgt Ion: 85 Resp: 25631

Ion Ratio Lower Upper

85 100

87 32.5 16.7 50.0





#3

Chloromethane

Concen: 22.110 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012293.D

Acq: 11 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS01

Tot Ion: 50 Resp: 23072

Ion Ratio Lower Upper

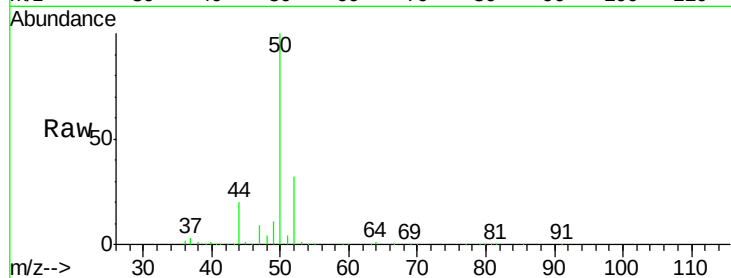
50 100

52 31.9 26.7 40.1

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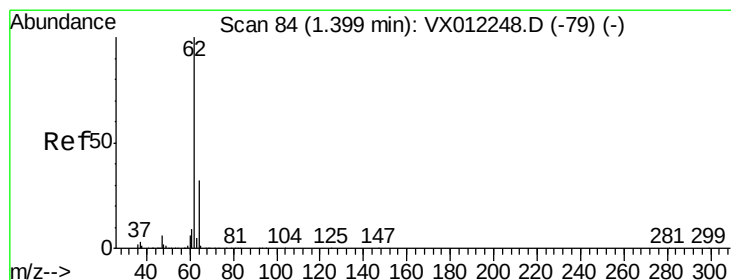
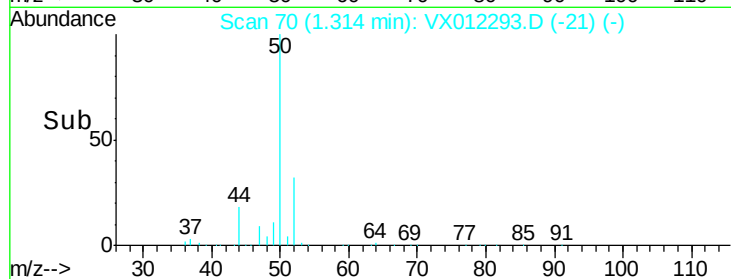
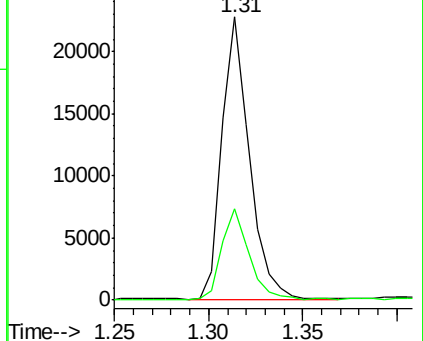
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 21.983 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.01 min

Lab File: VX012293.D

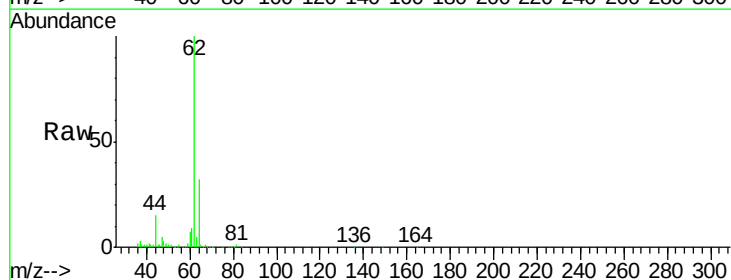
Acq: 11 Sep 2019 10:56

Tgt Ion: 62 Resp: 22745

Ion Ratio Lower Upper

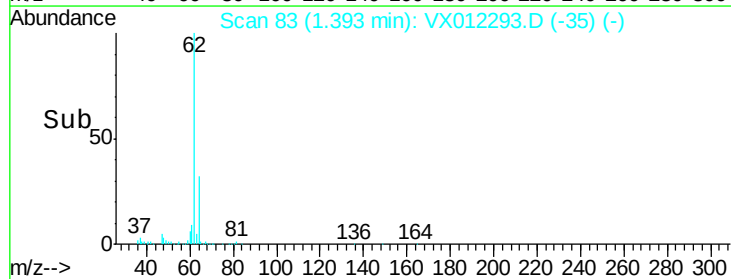
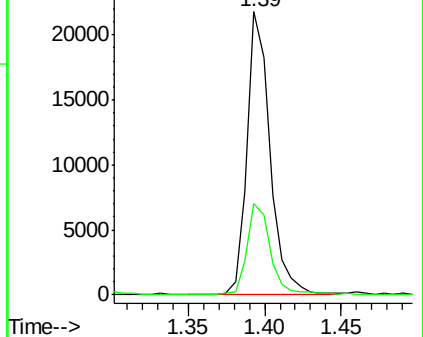
62 100

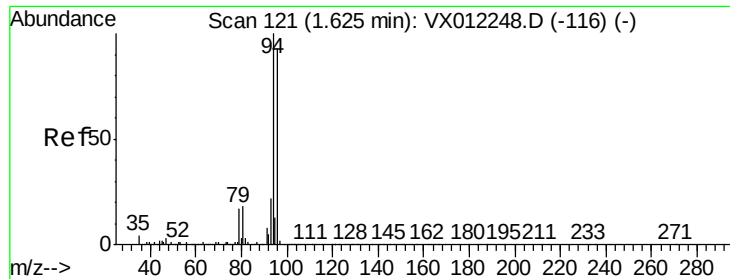
64 32.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 22.350 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012293.D

Acq: 11 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS01

Tot Ion: 94 Resp: 10447

Ion Ratio Lower Upper

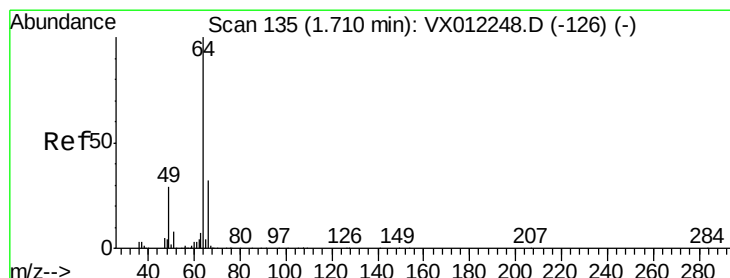
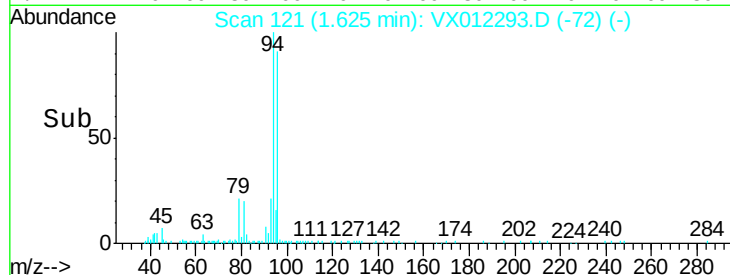
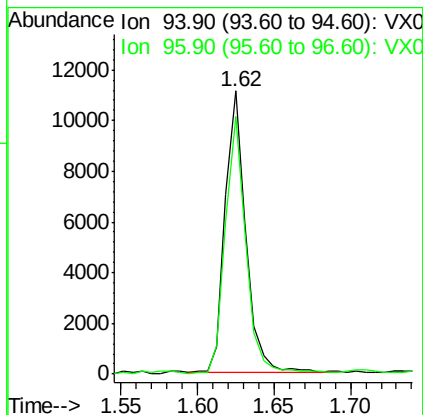
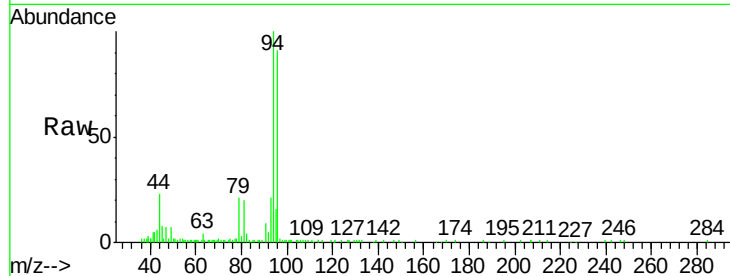
94 100

96 91.7 74.0 111.0

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#6

Chloroethane

Concen: 20.971 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012293.D

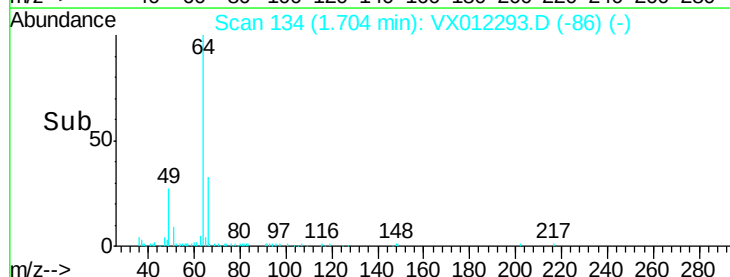
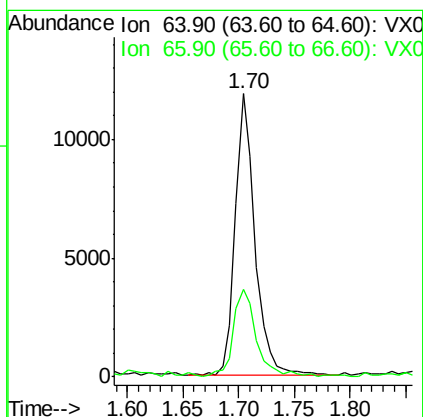
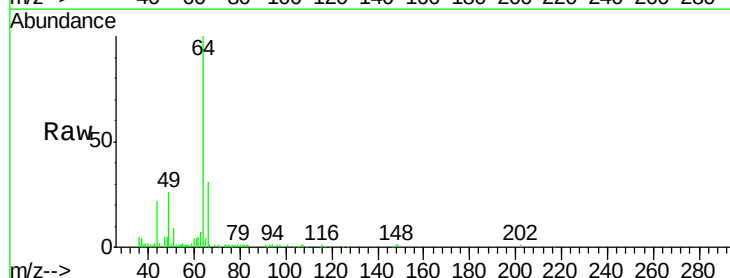
Acq: 11 Sep 2019 10:56

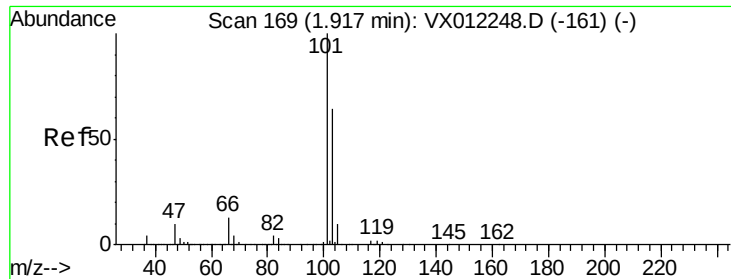
Tgt Ion: 64 Resp: 14509

Ion Ratio Lower Upper

64 100

66 30.5 25.8 38.6





#7

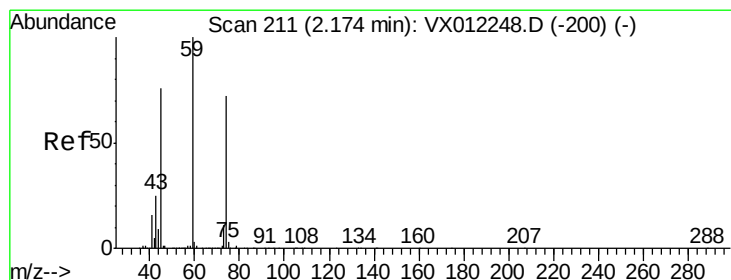
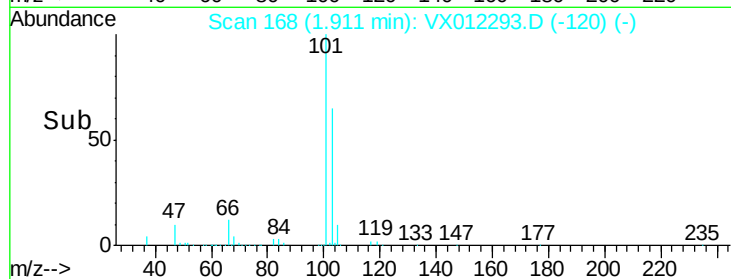
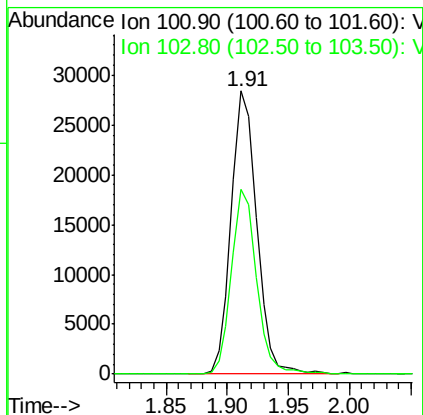
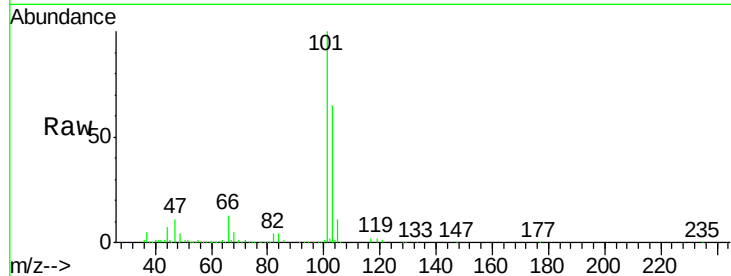
Trichlorofluoromethane
Concen: 22.025 ug/l
RT: 1.91 min Scan# 168
Delta R.T. -0.01 min
Lab File: VX012293.D
Acq: 11 Sep 2019 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	41243		
103	65.1	51.4	77.2	

Manual Integrations
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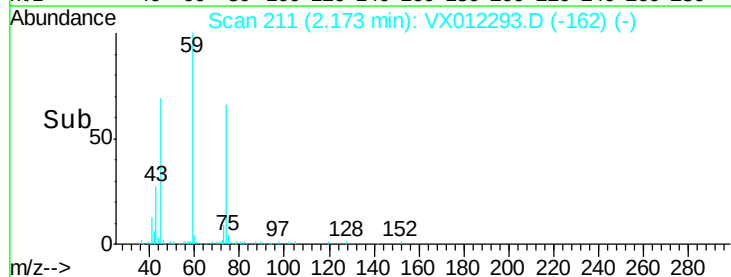
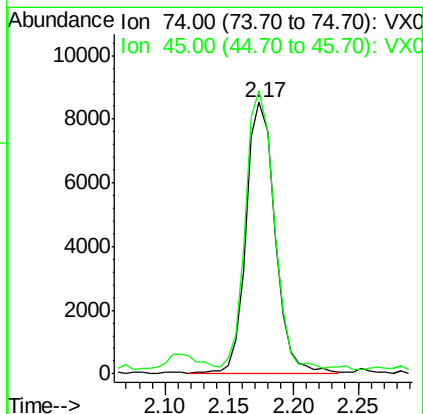
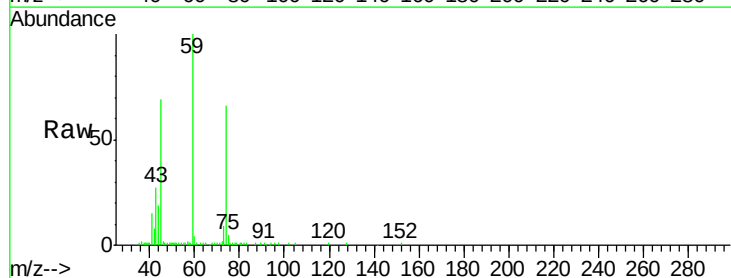
MMDadoda
9/12/2019 9:26:25 AM

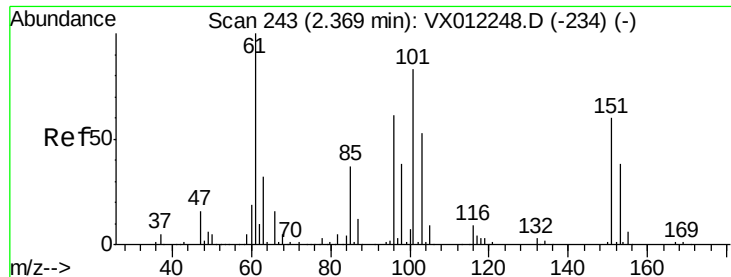


#8

Diethyl Ether
Concen: 20.775 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX012293.D
Acq: 11 Sep 2019 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	13275		
45	99.3	51.3	153.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.463 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012293.D

Acq: 11 Sep 2019 10:56

Instrument :

MSVOA_X

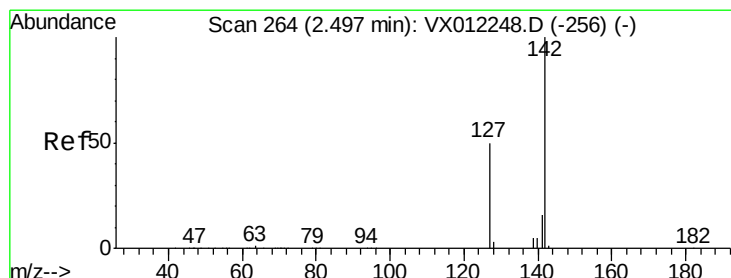
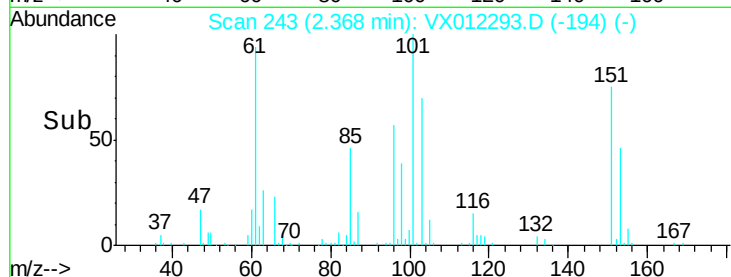
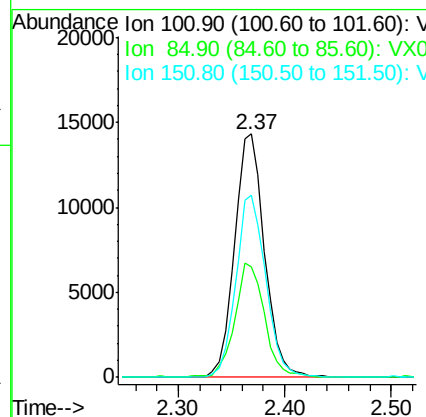
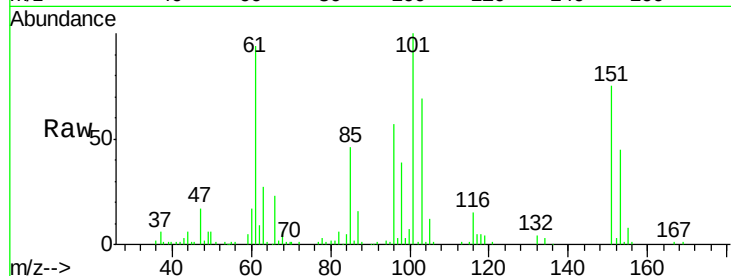
ClientSampleId :

VX0911SBS01

Tot Ion:	101	Resp:	28350
Ion Ratio	Lower	Upper	
101	100		
85	46.6	37.0	55.6
151	74.5	58.6	87.8

Manual Integrations
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#10

Methyl Iodide

Concen: 16.720 ug/l

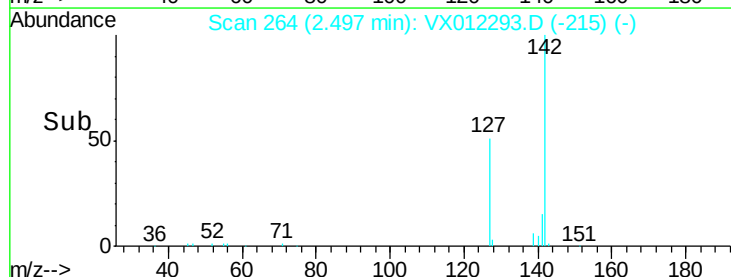
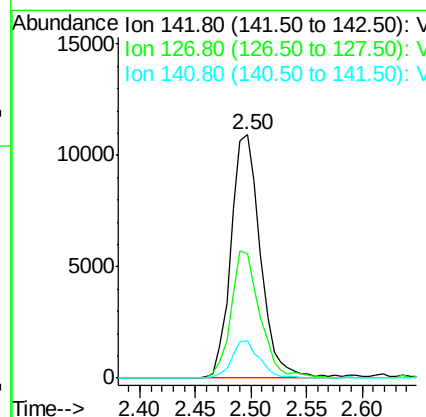
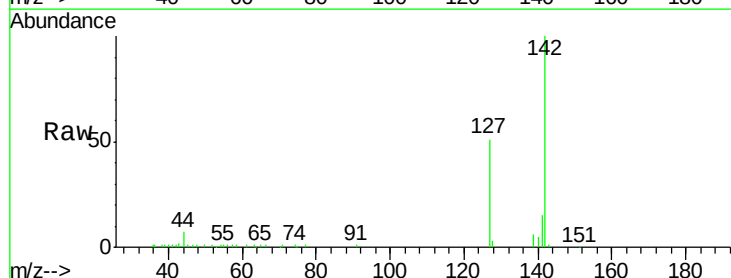
RT: 2.50 min Scan# 264

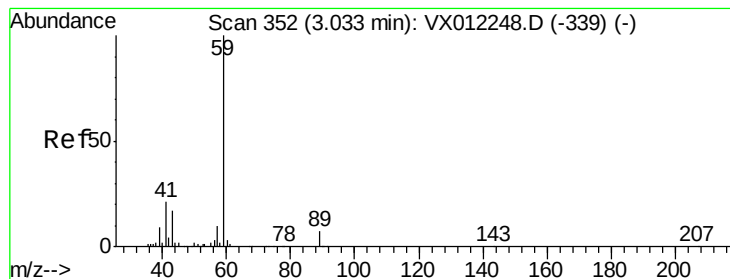
Delta R.T. -0.00 min

Lab File: VX012293.D

Acq: 11 Sep 2019 10:56

Tgt Ion:	142	Resp:	20084
Ion Ratio	Lower	Upper	
142	100		
127	51.5	40.6	61.0
141	14.5	12.0	18.0





#11

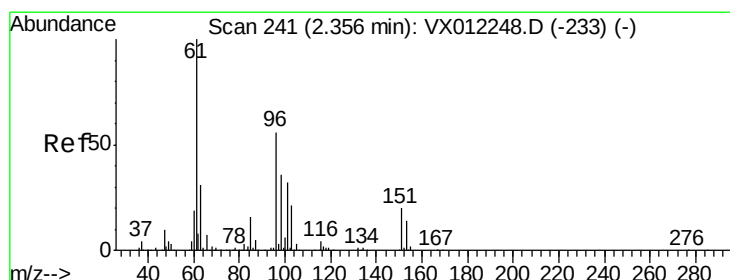
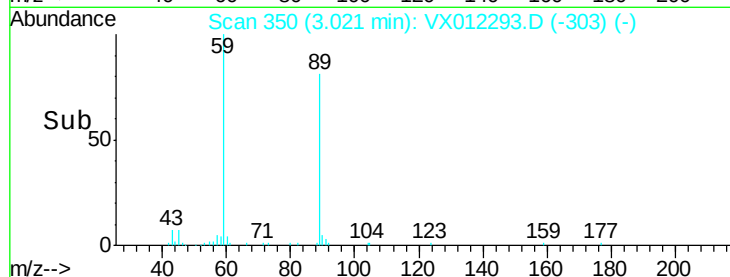
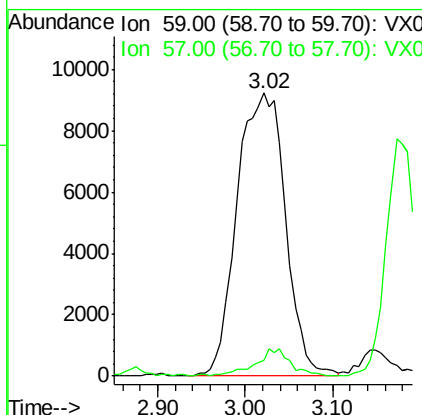
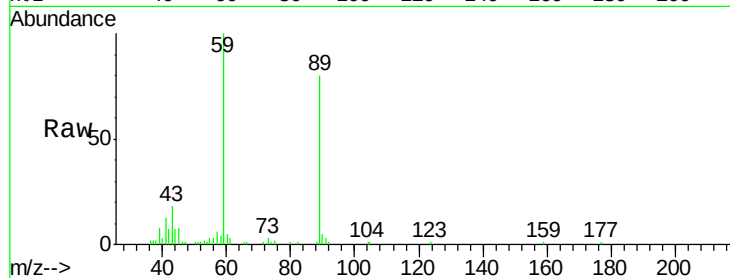
Tert butyl alcohol
Concen: 163.575 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX012293.D
Acq: 11 Sep 2019 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	35450		
57	7.1		7.8	11.6#

Manual Integrations
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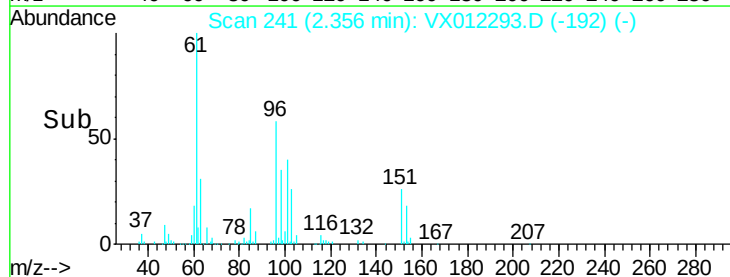
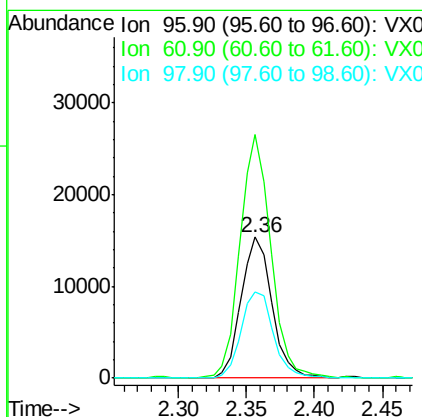
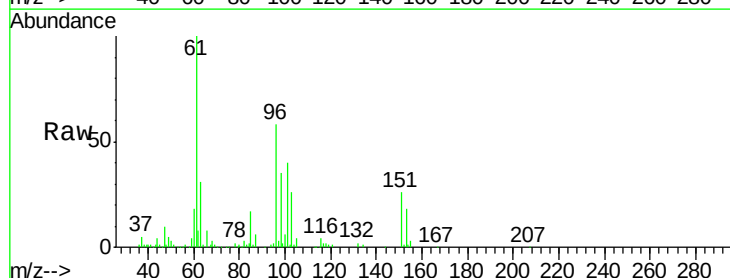
MMDadoda
9/12/2019 9:26:25 AM

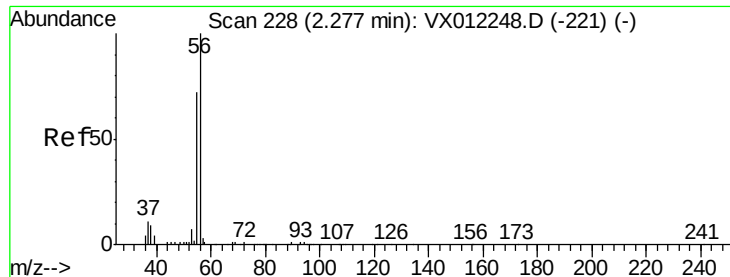


#12

1,1-Dichloroethene
Concen: 22.938 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.00 min
Lab File: VX012293.D
Acq: 11 Sep 2019 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	24577		
61	172.2		142.2	213.2
98	61.0		51.3	76.9





#13

Acrolein

Concen: 100.174 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.00 min

Lab File: VX012293.D

Acq: 11 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS01

Tot Ion: 56 Resp: 10483

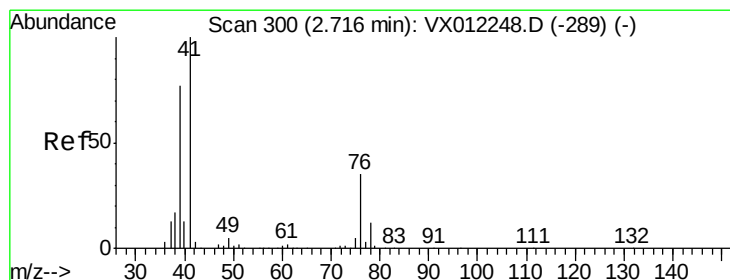
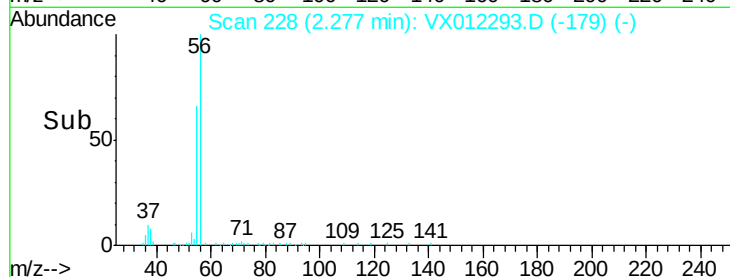
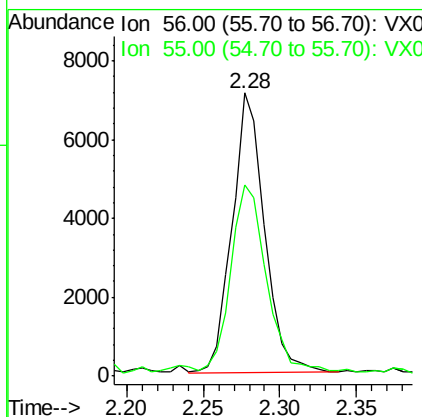
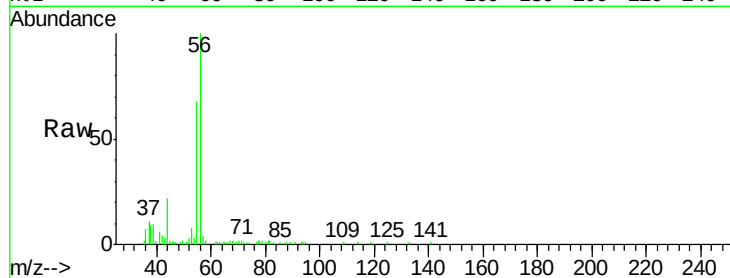
Ion Ratio Lower Upper

56 100

55 73.3 59.8 89.6

Manual Integrations
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#14

Allyl chloride

Concen: 21.149 ug/l

RT: 2.71 min Scan# 299

Delta R.T. -0.01 min

Lab File: VX012293.D

Acq: 11 Sep 2019 10:56

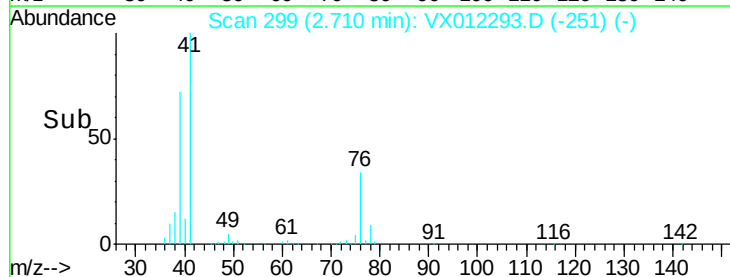
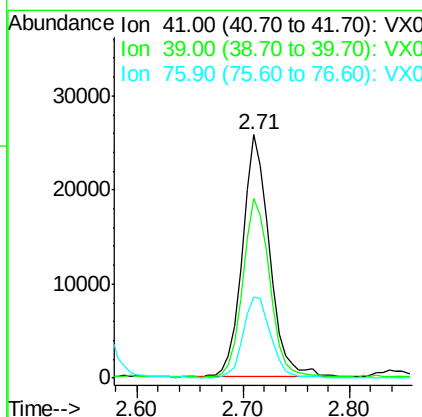
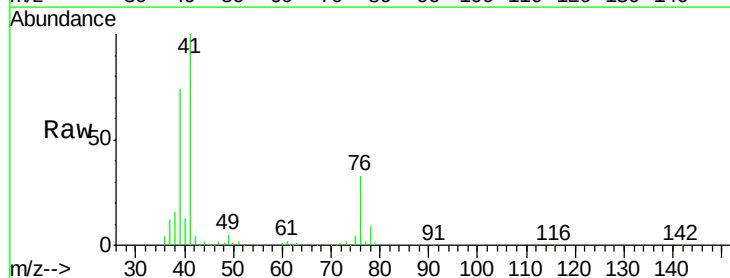
Tgt Ion: 41 Resp: 46198

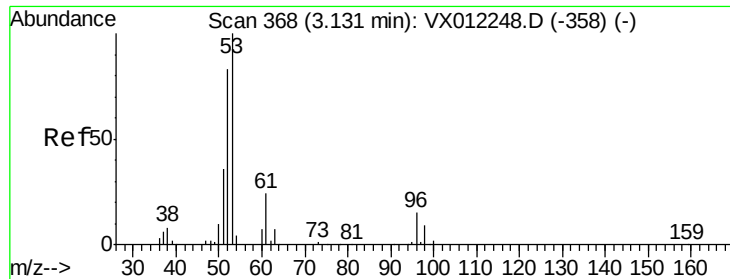
Ion Ratio Lower Upper

41 100

39 73.6 58.6 87.8

76 34.1 26.3 39.5





#15

Acrylonitrile

Concen: 106.374 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX012293.D

Acq: 11 Sep 2019 10:56

Instrument :

MSVOA_X

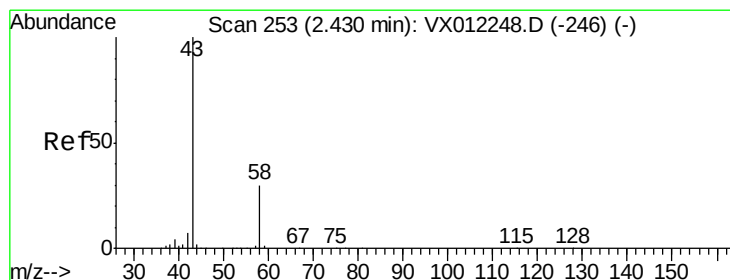
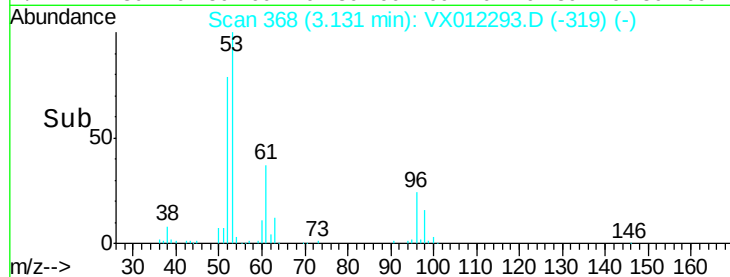
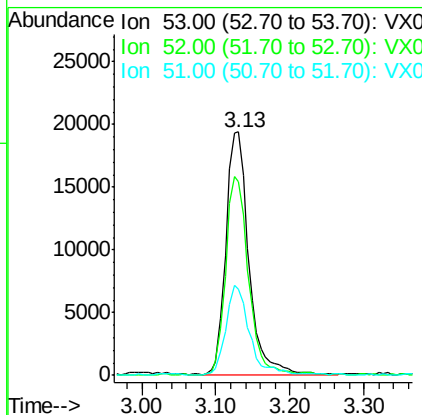
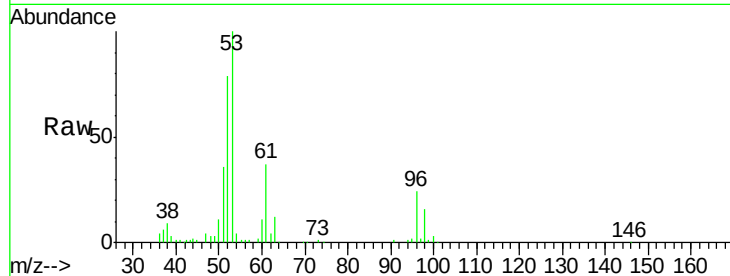
ClientSampleId :

VX0911SBS01

Tot Ion:	53	Resp:	42016
Ion	Ratio	Lower	Upper
53	100		
52	80.8	66.8	100.2
51	38.6	30.7	46.1

Manual Integrations
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#16

Acetone

Concen: 108.019 ug/l

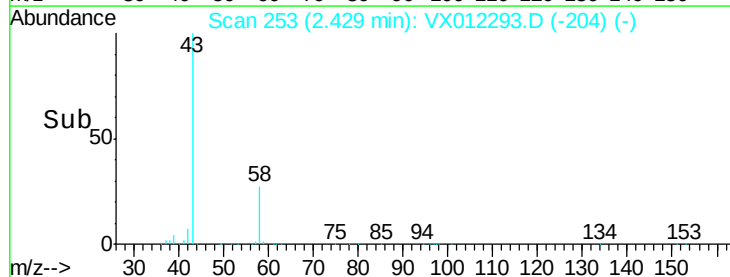
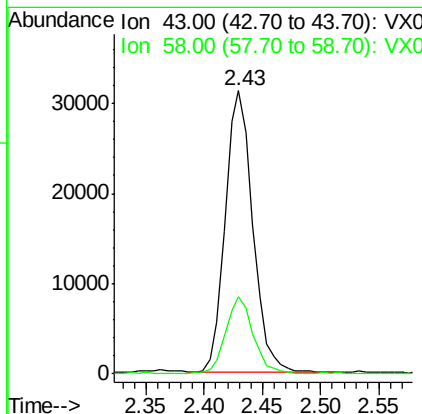
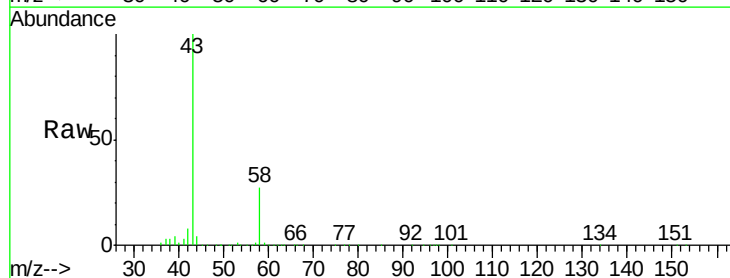
RT: 2.43 min Scan# 253

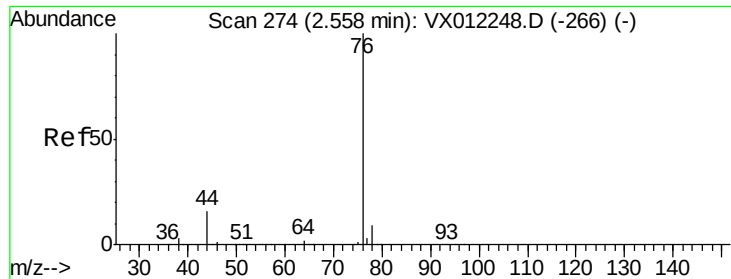
Delta R.T. -0.00 min

Lab File: VX012293.D

Acq: 11 Sep 2019 10:56

Tgt Ion:	43	Resp:	51191
Ion	Ratio	Lower	Upper
43	100		
58	27.1	23.6	35.4





#17

Carbon Disulfide

Concen: 20.837 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.01 min

Lab File: VX012293.D

Acq: 11 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS01

Tot Ion: 76 Resp: 46883

Ion Ratio Lower Upper

76 100

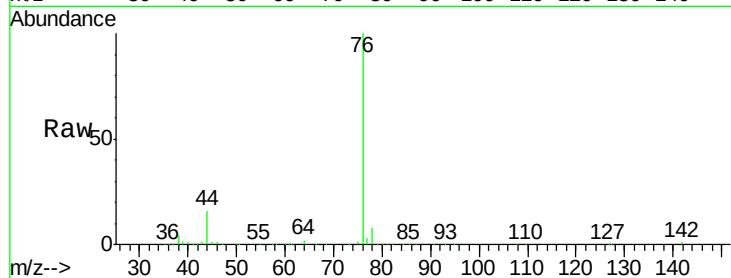
78 8.0 7.4 11.2

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

30000

25000

20000

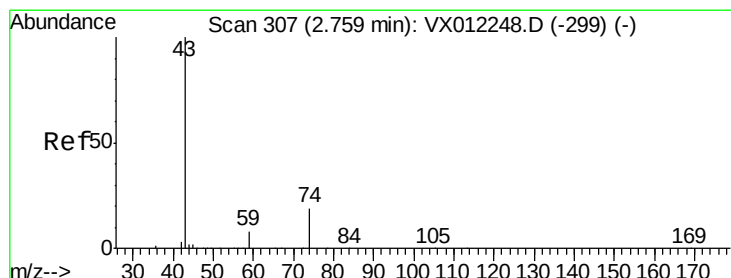
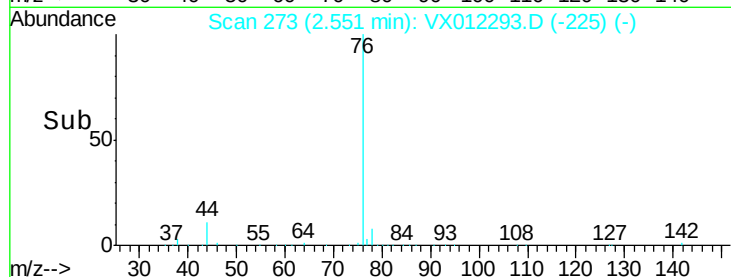
15000

10000

5000

0

Time--> 2.45 2.50 2.55 2.60 2.65



#18

Methyl Acetate

Concen: 20.256 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.00 min

Lab File: VX012293.D

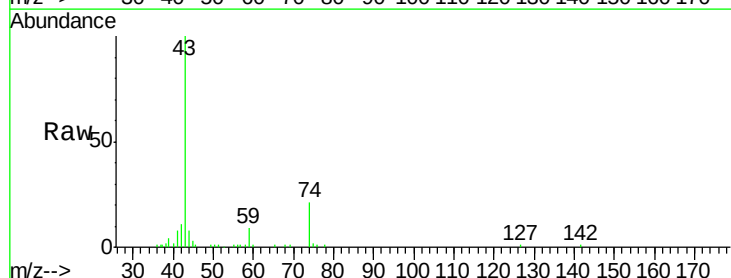
Acq: 11 Sep 2019 10:56

Tgt Ion: 43 Resp: 20177

Ion Ratio Lower Upper

43 100

74 22.4 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

12000

10000

8000

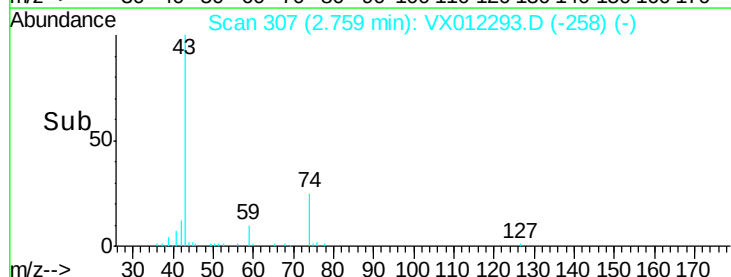
6000

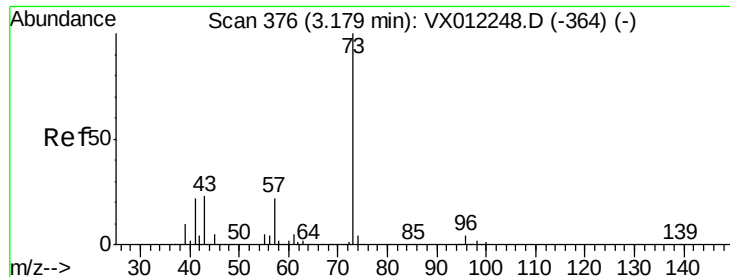
4000

2000

0

Time--> 2.70 2.75 2.80





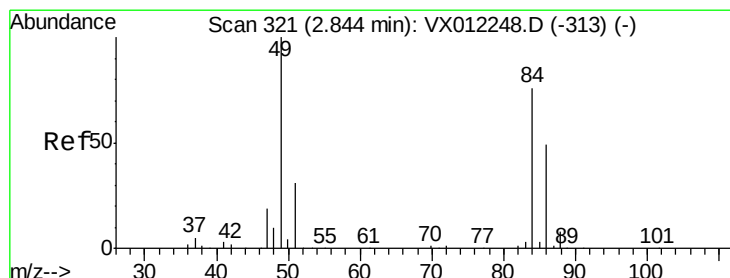
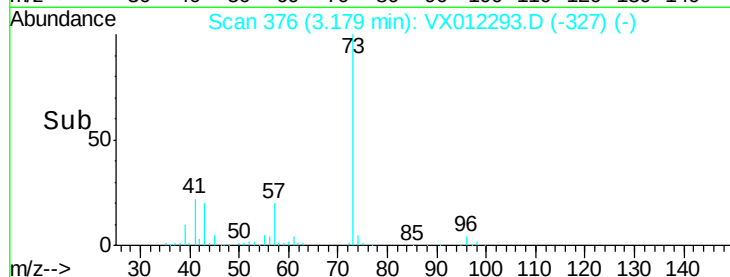
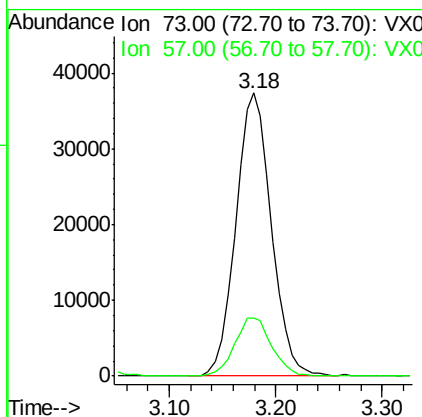
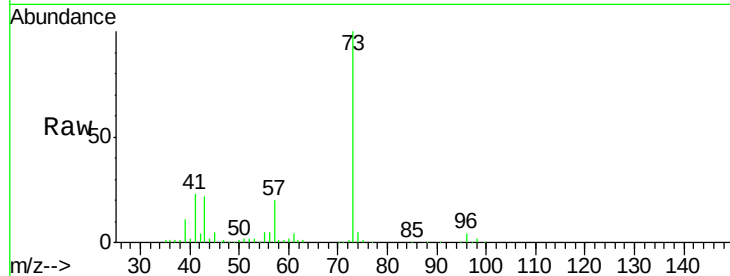
#19
Methyl tert-butyl Ether
Concen: 20.634 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX012293.D
Acq: 11 Sep 2019 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS01

Tot Ion: 73 Resp: 87306
Ion Ratio Lower Upper
73 100
57 20.3 17.7 26.5

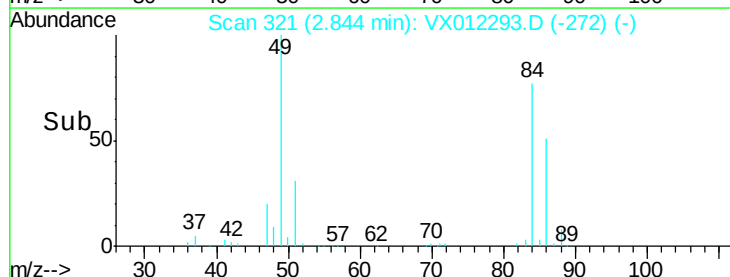
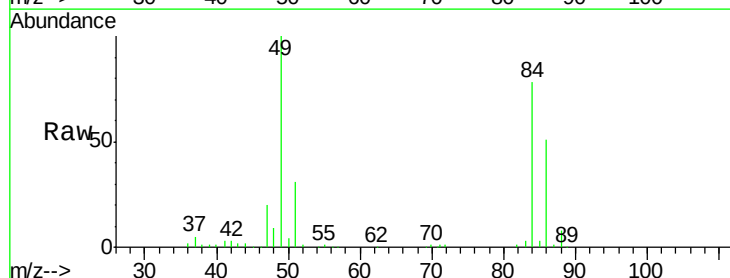
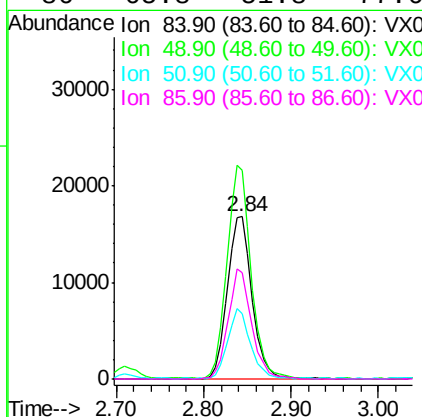
Manual Integrations
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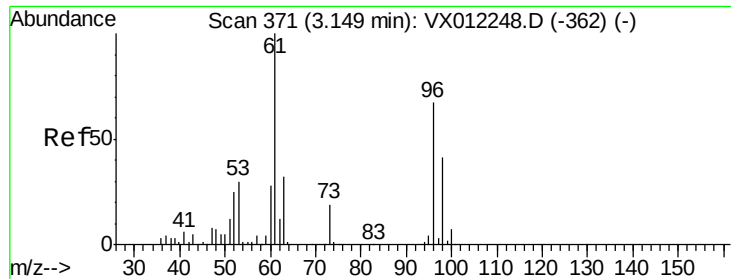
MMDadoda
9/12/2019 9:26:25 AM



#20
Methylene Chloride
Concen: 20.853 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012293.D
Acq: 11 Sep 2019 10:56

Tgt Ion: 84 Resp: 33103
Ion Ratio Lower Upper
84 100
49 128.3 105.0 157.6
51 40.1 32.6 48.8
86 65.8 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 22.008 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX012293.D

Acq: 11 Sep 2019 10:56

Instrument :

MSVOA_X

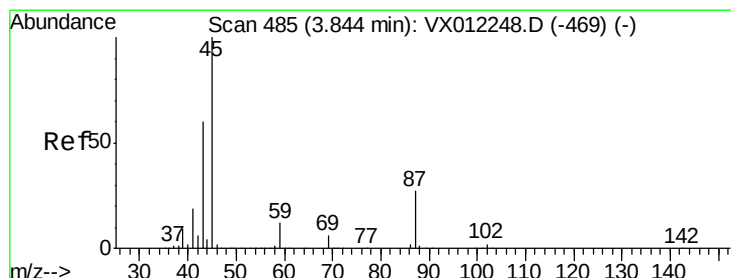
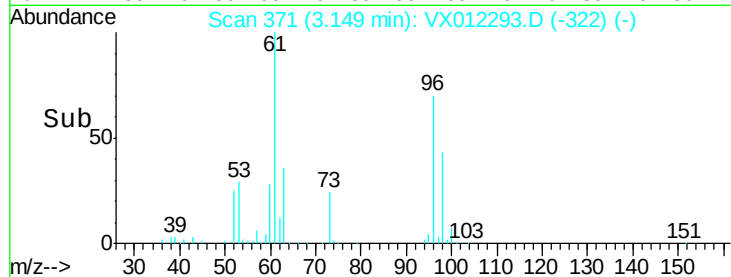
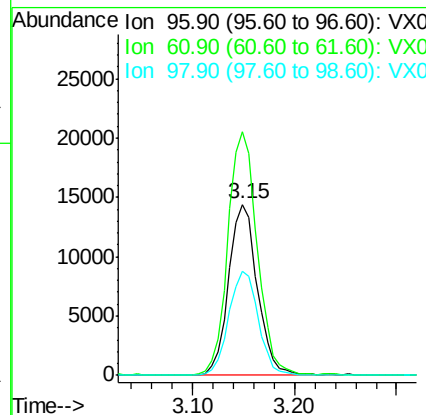
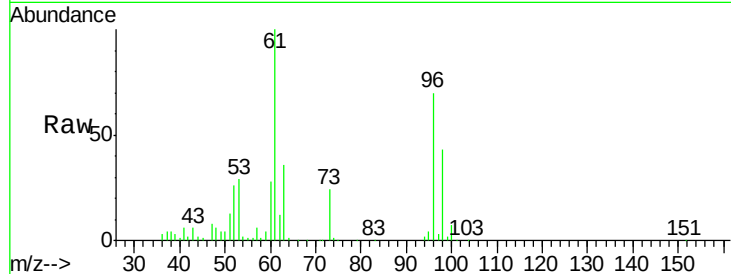
ClientSampleId :

VX0911SBS01

Tot Ion:	96	Resp:	28133
Ion	Ratio	Lower	Upper
96	100		
61	142.2	119.4	179.2
98	60.7	48.4	72.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.595 ug/l

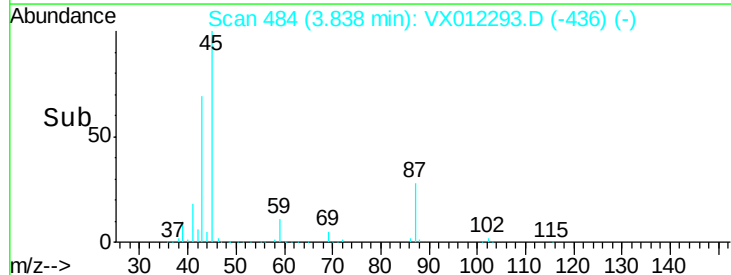
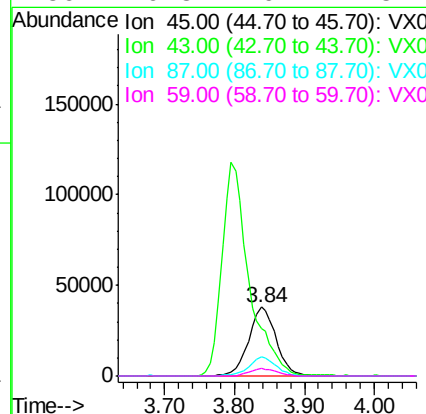
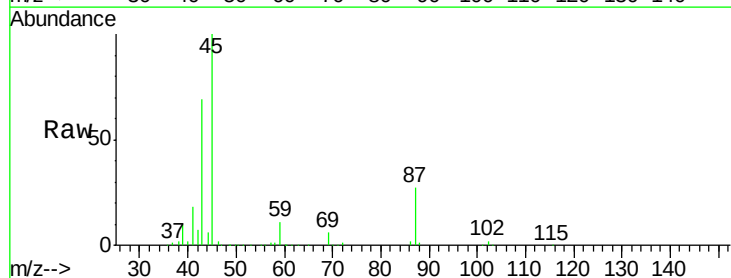
RT: 3.84 min Scan# 484

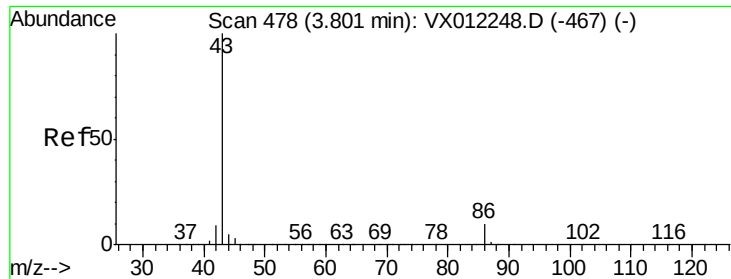
Delta R.T. -0.01 min

Lab File: VX012293.D

Acq: 11 Sep 2019 10:56

Tgt Ion:	45	Resp:	102890
Ion	Ratio	Lower	Upper
45	100		
43	69.3	48.3	72.5
87	27.5	21.8	32.8
59	10.8	9.1	13.7





#23

Vinyl Acetate

Concen: 103.740 ug/l

RT: 3.80 min Scan# 477

Delta R.T. -0.01 min

Lab File: VX012293.D

Acq: 11 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS01

Tot Ion: 43 Resp: 317975

Ion Ratio Lower Upper

43 100

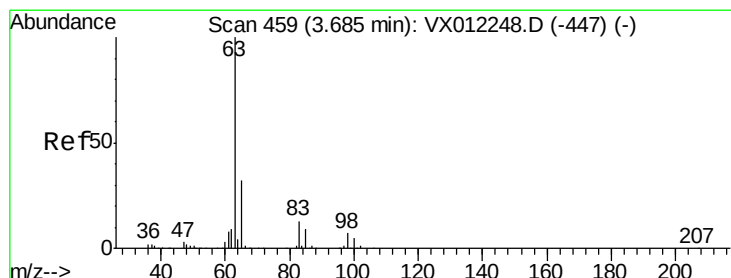
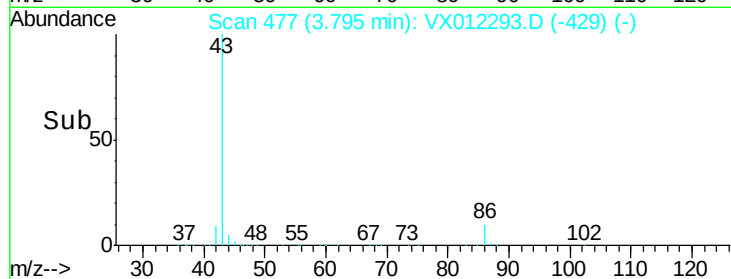
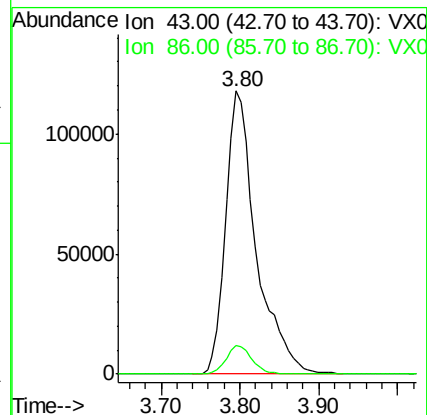
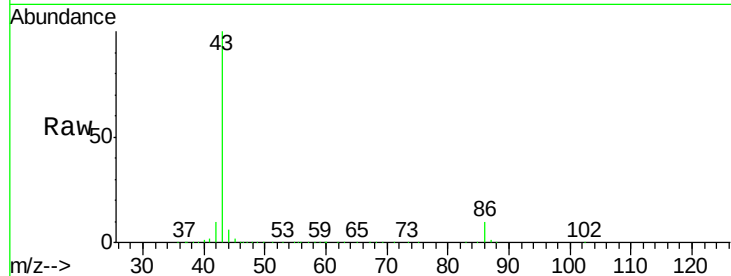
86 9.9 8.3 12.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.498 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX012293.D

Acq: 11 Sep 2019 10:56

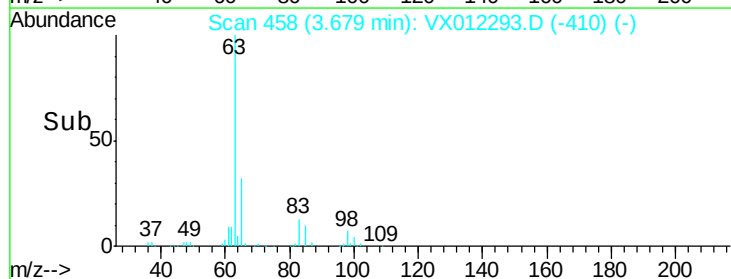
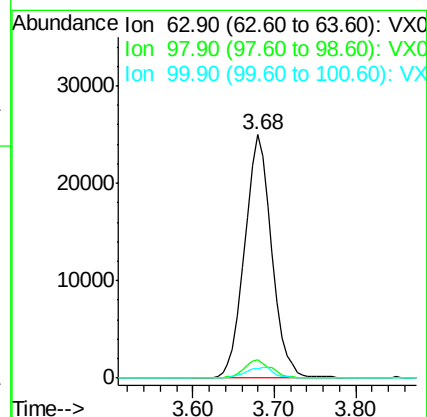
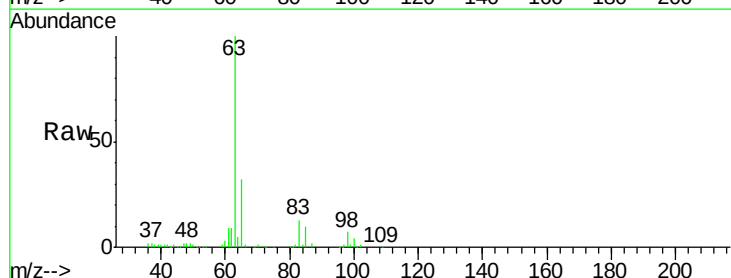
Tgt Ion: 63 Resp: 57528

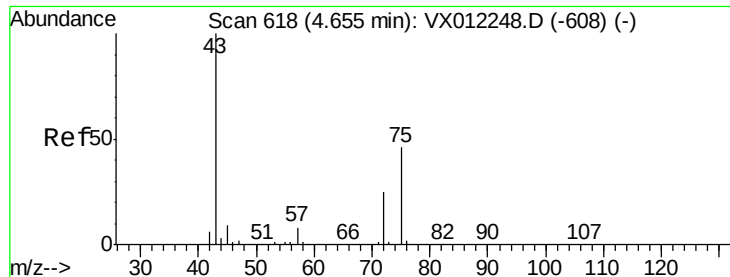
Ion Ratio Lower Upper

63 100

98 7.3 3.4 10.1

100 3.7 2.4 7.2





#25

2-Butanone

Concen: 103.265 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX012293.D

Acq: 11 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS01

Tot Ion: 43 Resp: 62560

Ion Ratio Lower Upper

43 100

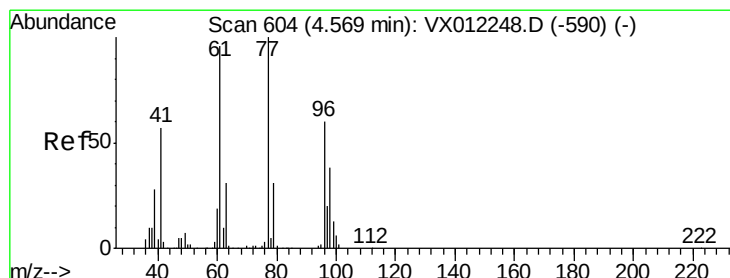
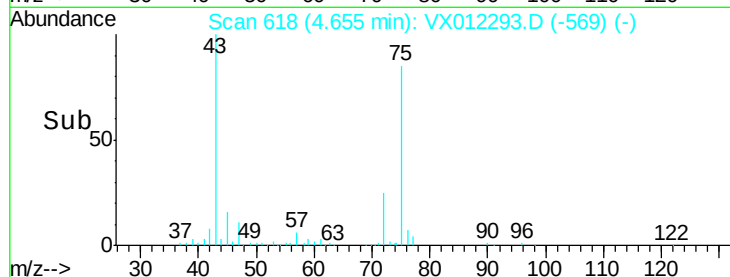
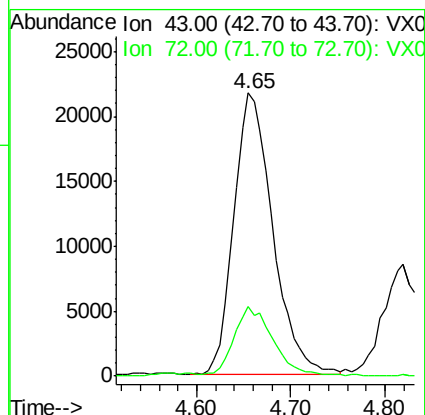
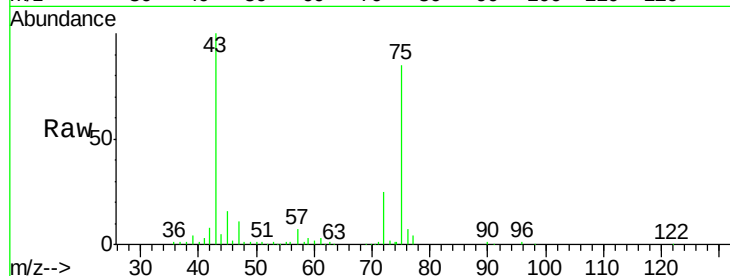
72 24.2 20.2 30.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.842 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX012293.D

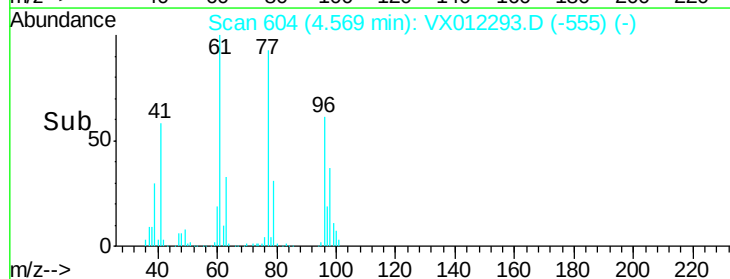
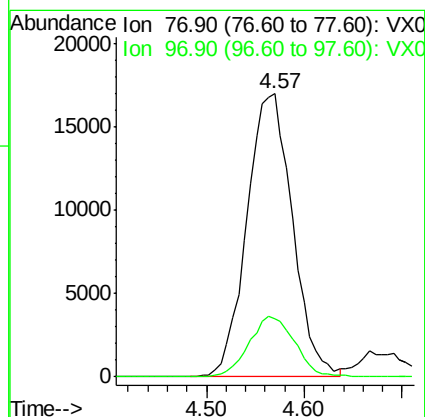
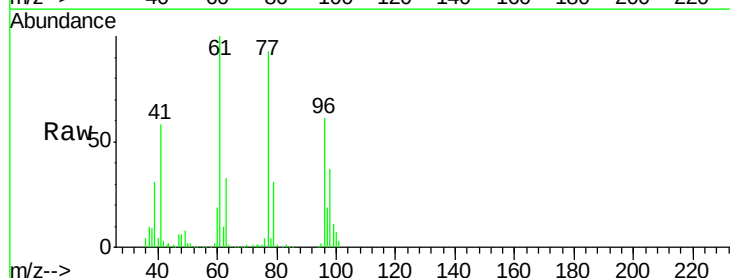
Acq: 11 Sep 2019 10:56

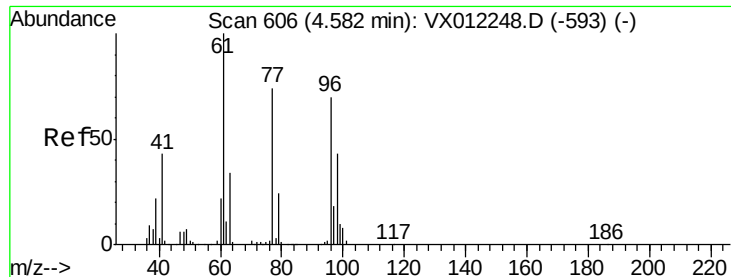
Tgt Ion: 77 Resp: 54874

Ion Ratio Lower Upper

77 100

97 21.4 10.7 32.1





#27

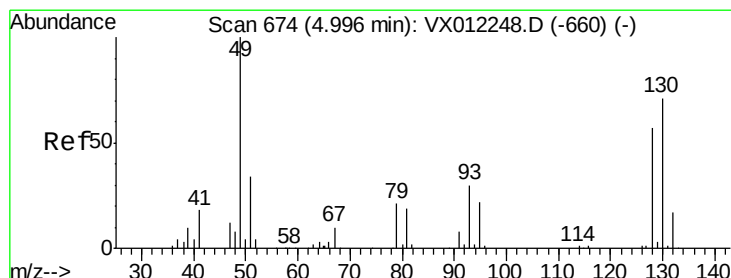
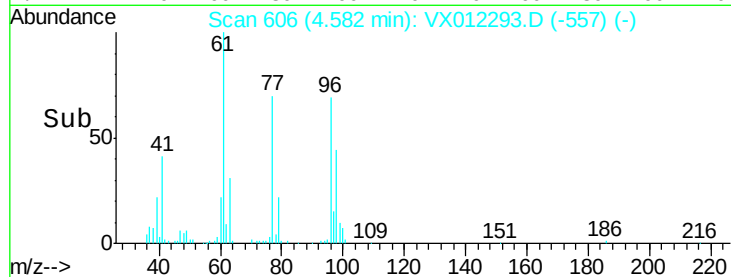
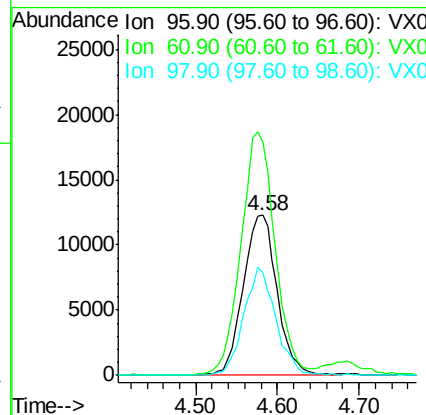
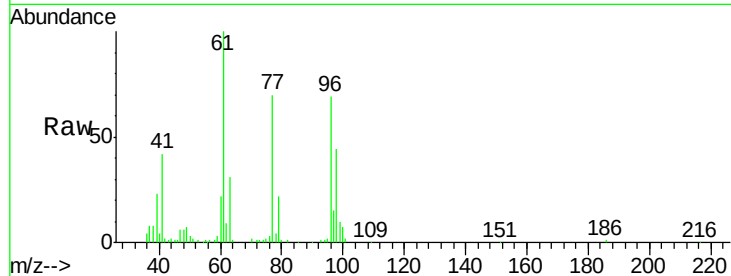
cis-1,2-Dichloroethene
Concen: 21.491 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX012293.D
Acq: 11 Sep 2019 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.4	0.0	310.4
98	63.3	0.0	128.8

Manual Integrations
APPROVED

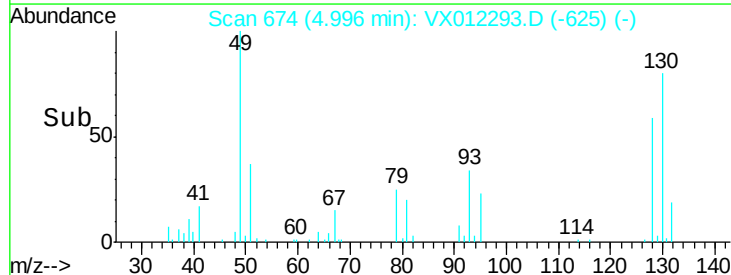
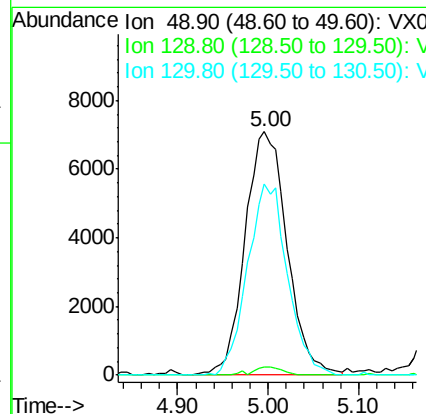
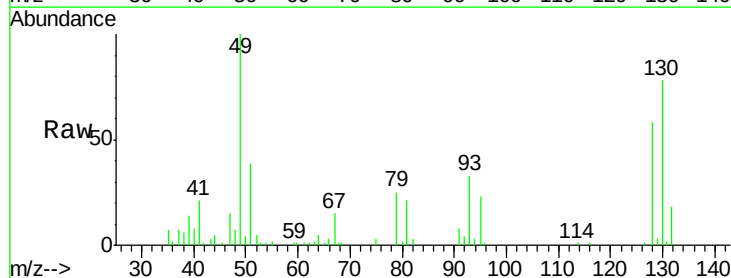
MMDadoda
9/12/2019 9:26:25 AM

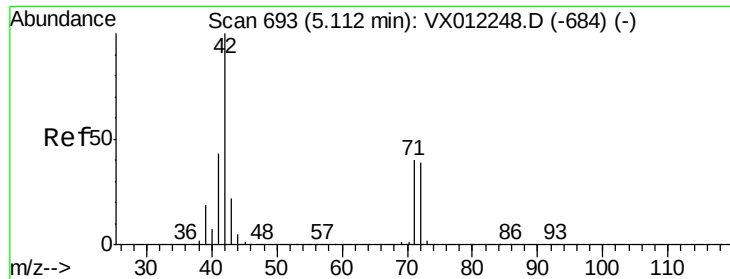


#28

Bromochloromethane
Concen: 18.157 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.00 min
Lab File: VX012293.D
Acq: 11 Sep 2019 10:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	5.2
130	74.8	60.1	90.1





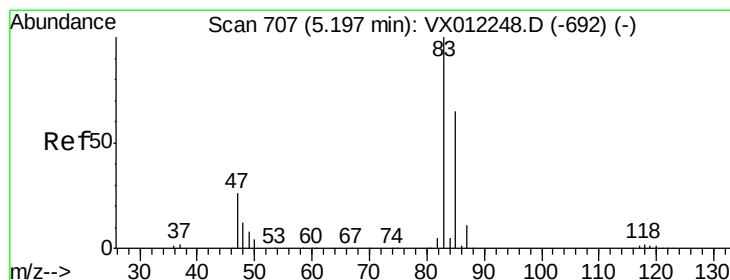
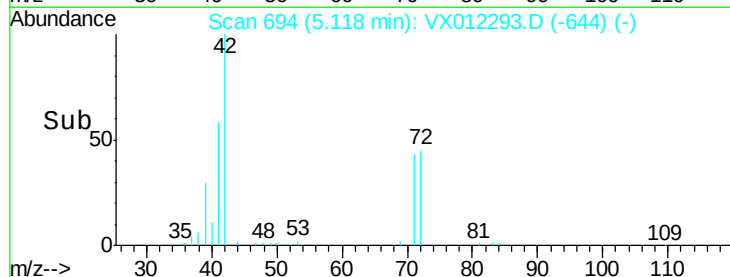
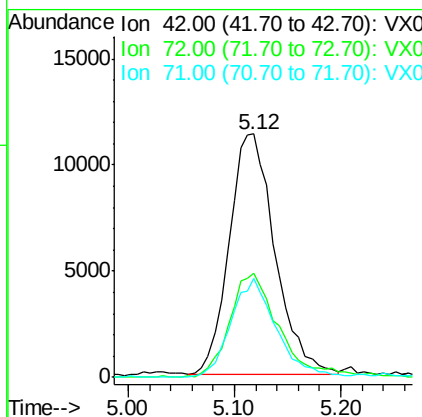
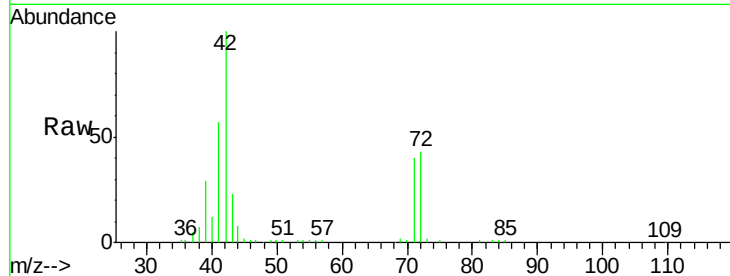
#29
Tetrahydrofuran
Concen: 103.963 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012293.D
Acq: 11 Sep 2019 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS01

Tot Ion:	42	Resp:	33982
Ion	Ratio	Lower	Upper
42	100		
72	46.3	35.2	52.8
71	40.9	32.5	48.7

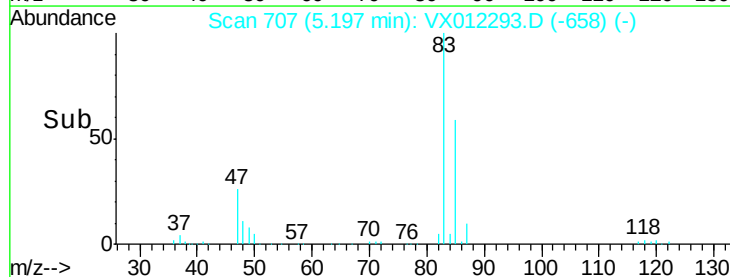
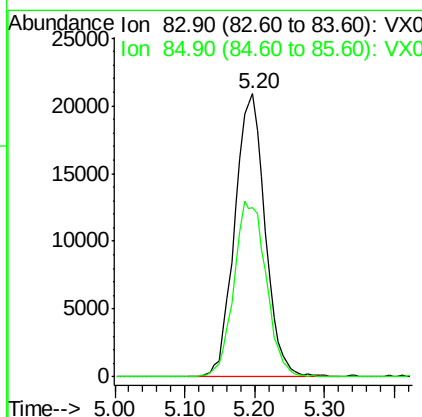
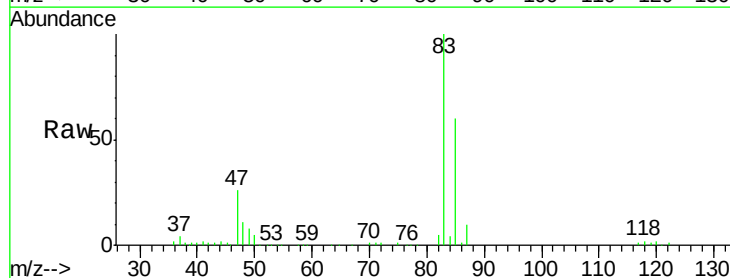
Manual Integrations
APPROVED

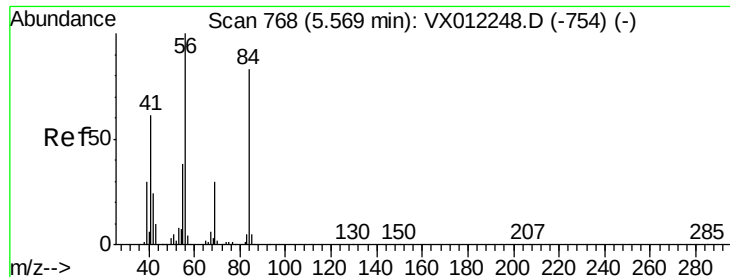
MMDadoda
9/12/2019 9:26:25 AM



#30
Chloroform
Concen: 20.880 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.00 min
Lab File: VX012293.D
Acq: 11 Sep 2019 10:56

Tgt Ion:	83	Resp:	63007
Ion	Ratio	Lower	Upper
83	100		
85	59.8	52.3	78.5





#31

Cyclohexane

Concen: 22.125 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX012293.D

Acq: 11 Sep 2019 10:56

Instrument :

MSVOA_X

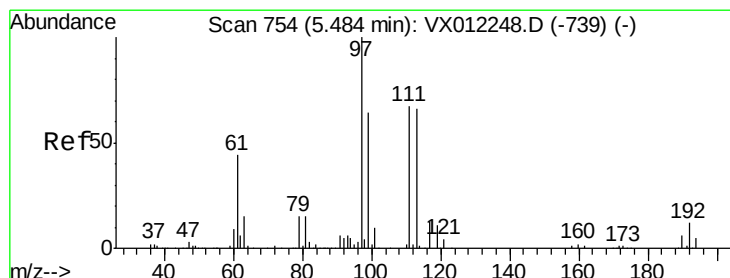
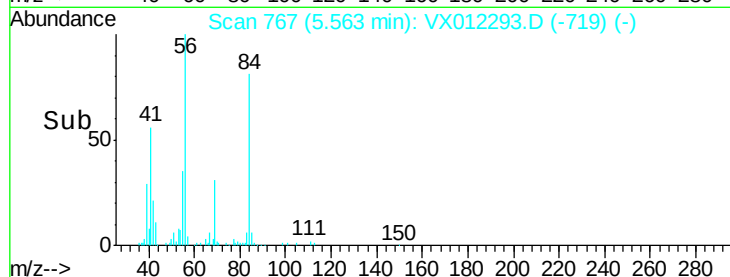
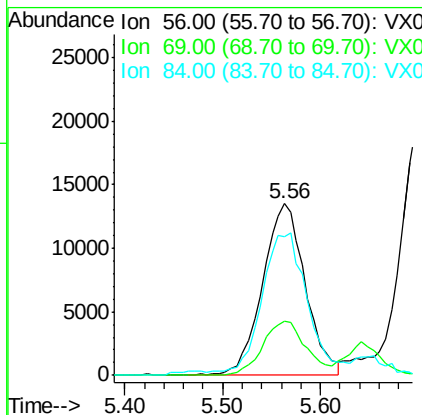
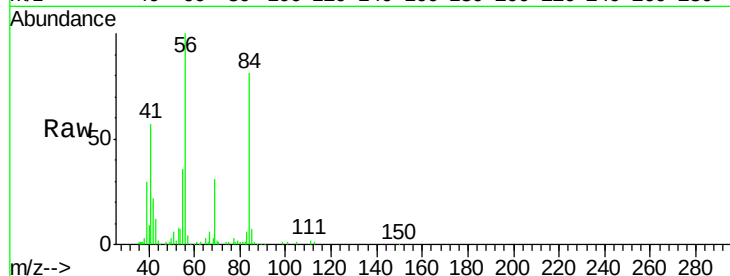
ClientSampleId :

VX0911SBS01

Tot Ion:	56	Resp:	41127
Ion	Ratio	Lower	Upper
56	100		
69	30.9	23.8	35.6
84	78.7	66.6	100.0

Manual Integrations
APPROVED

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9/12/2019 9:26:25 AM



#32

1,1,1-Trichloroethane

Concen: 21.383 ug/l

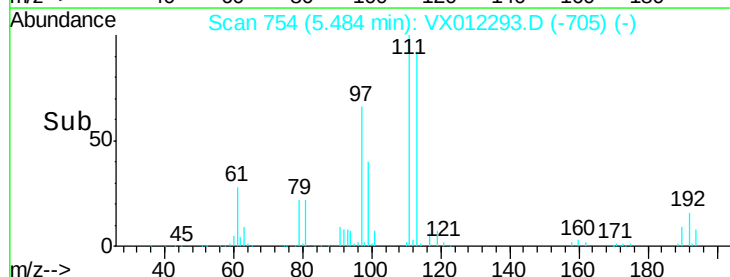
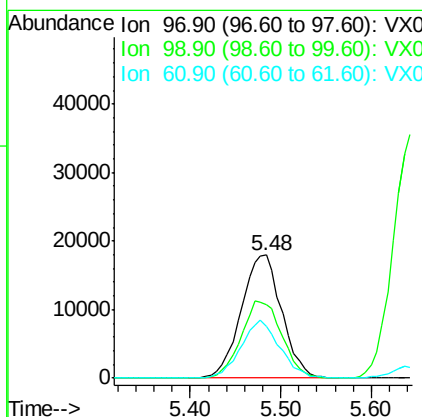
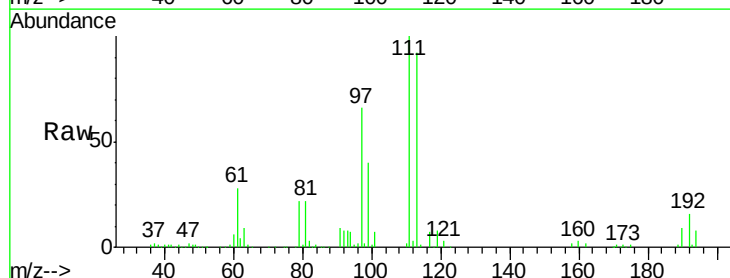
RT: 5.48 min Scan# 754

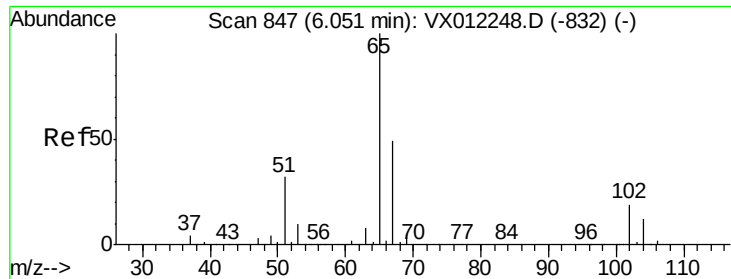
Delta R.T. -0.00 min

Lab File: VX012293.D

Acq: 11 Sep 2019 10:56

Tgt Ion:	97	Resp:	55404
Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.3	76.9
61	45.4	35.4	53.0





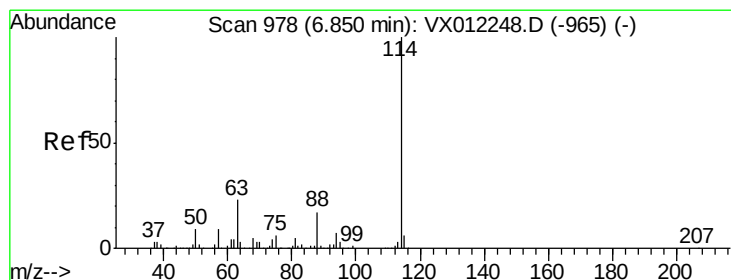
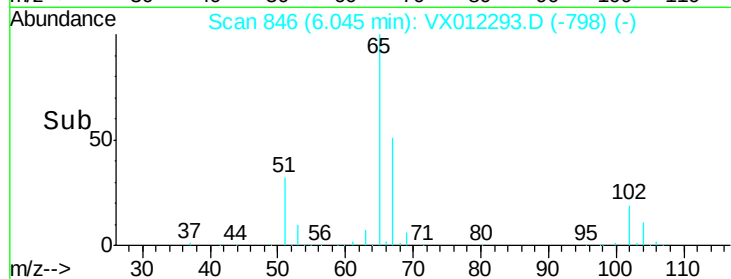
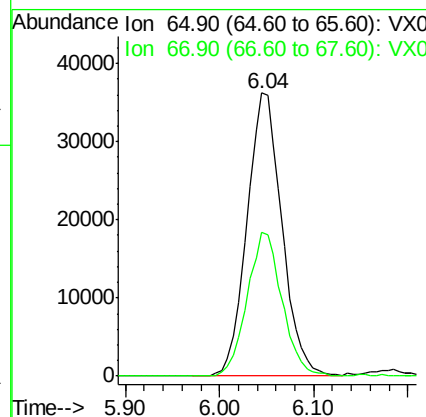
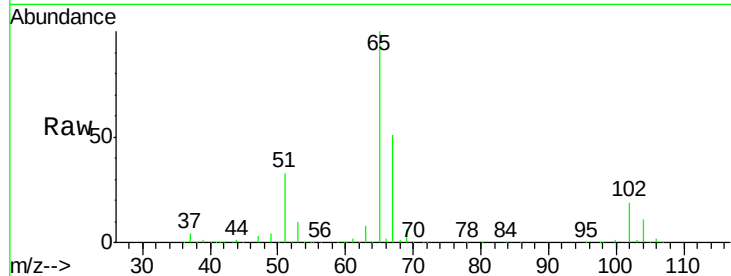
#33
 1,2-Dichloroethane-d4
 Concen: 47.090 ug/l
 RT: 6.04 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: VX012293.D
 Acq: 11 Sep 2019 10:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	99.8

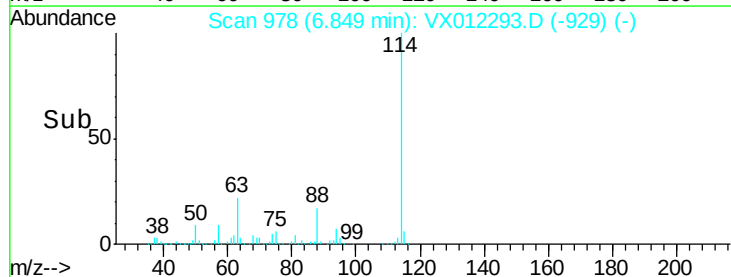
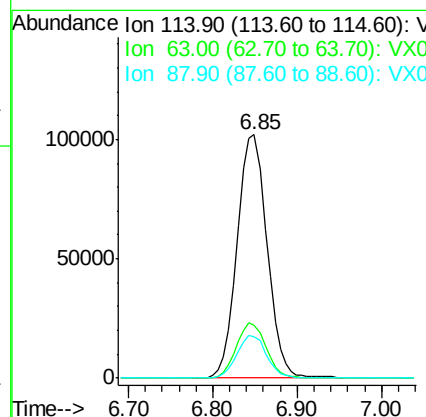
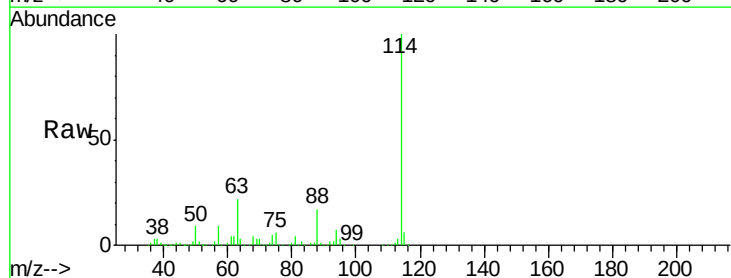
Manual Integrations
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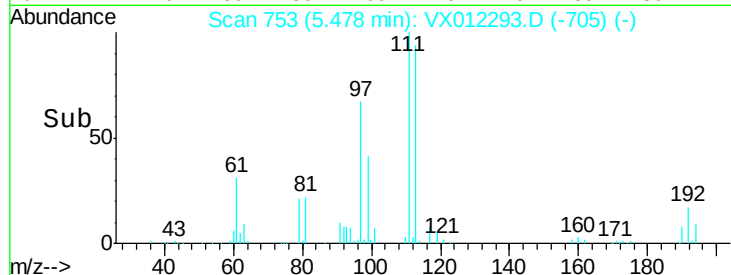
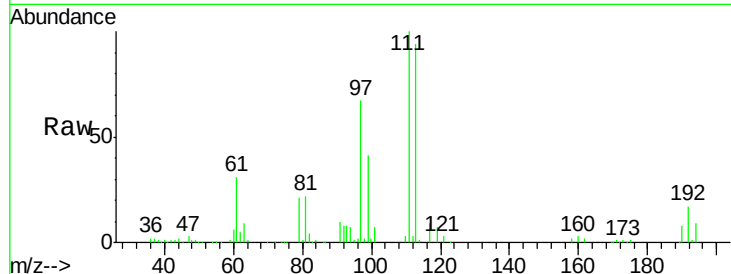
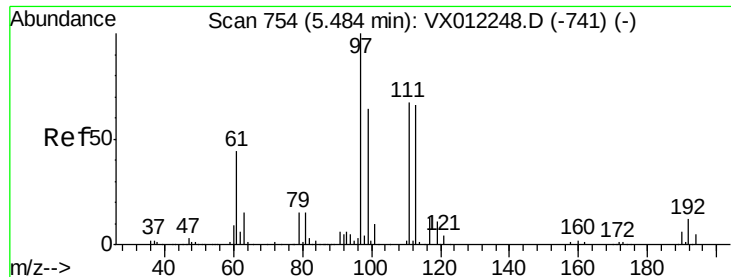
MMDadoda
 9/12/2019 9:26:25 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012293.D
 Acq: 11 Sep 2019 10:56

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	45.2
88	16.9	0.0	34.8





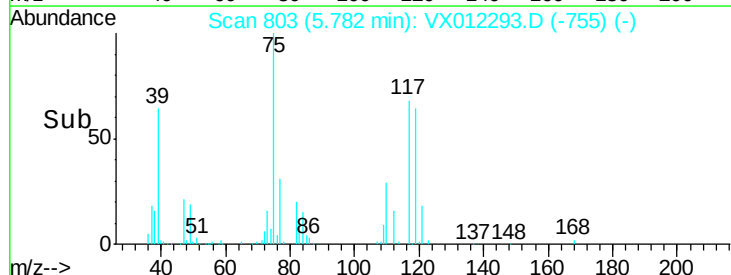
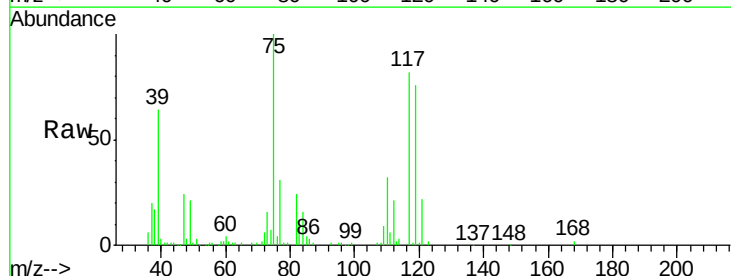
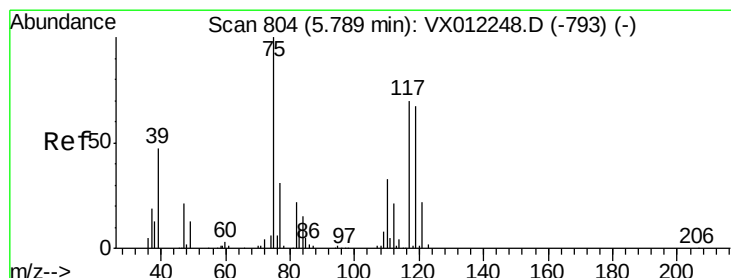
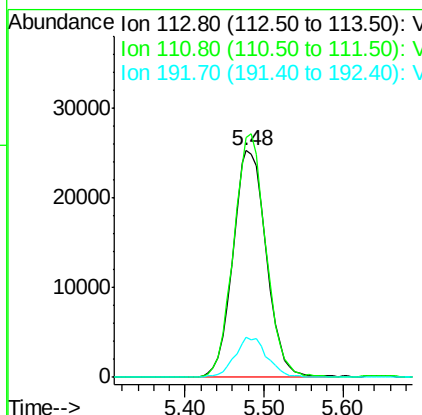
#35
Dibromofluoromethane
Concen: 47.368 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.01 min
Lab File: VX012293.D
Acq: 11 Sep 2019 10:56

Tot Ion	Ratio	Resp	Lower	Upper
113	100	74579		
111	103.4	83.0	124.6	
192	17.1	14.3	21.5	

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS01

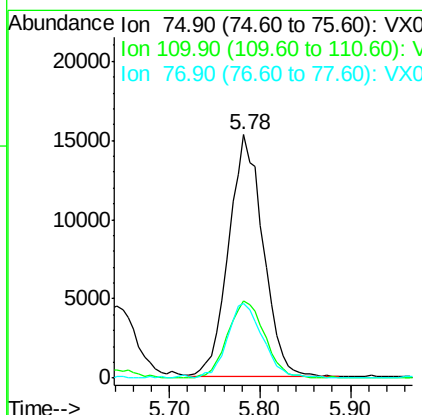
Manual Integrations
APPROVED

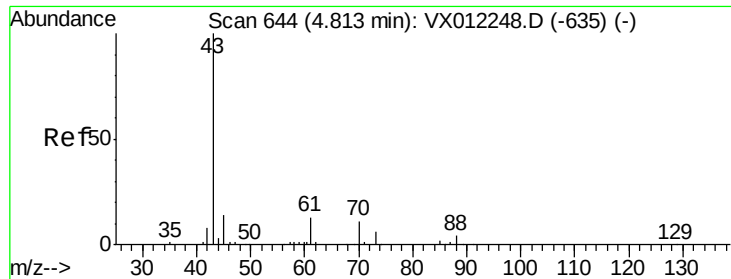
MMDadoda
9/12/2019 9:26:25 AM



#36
1,1-Dichloropropene
Concen: 22.402 ug/l
RT: 5.78 min Scan# 803
Delta R.T. -0.01 min
Lab File: VX012293.D
Acq: 11 Sep 2019 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	40119		
110	34.4	16.8	50.4	
77	32.0	24.5	36.7	





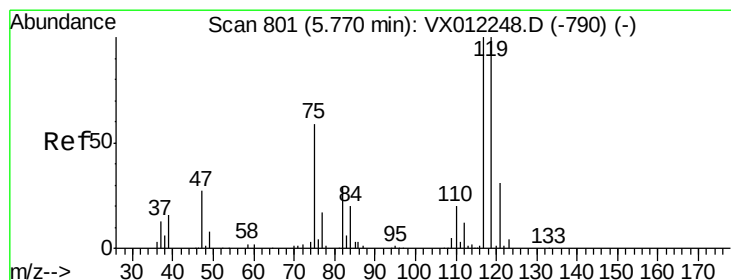
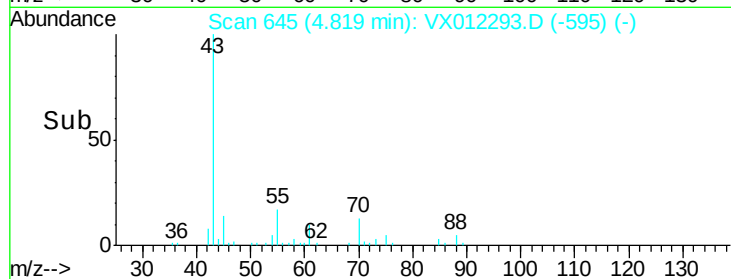
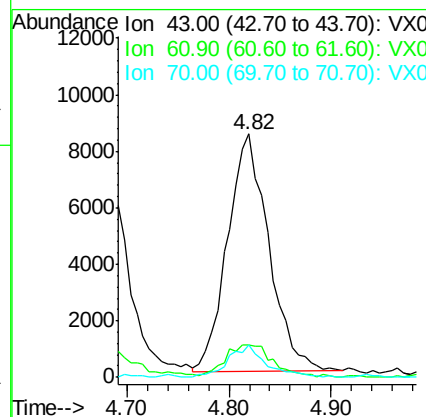
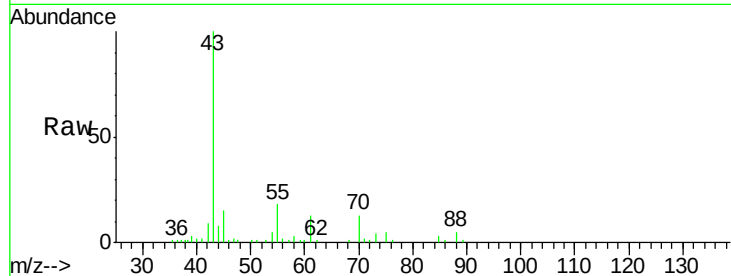
#37
Ethyl Acetate
Concen: 21.252 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.01 min
Lab File: VX012293.D
Acq: 11 Sep 2019 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	10.3	15.5
70	12.6	9.1	13.7

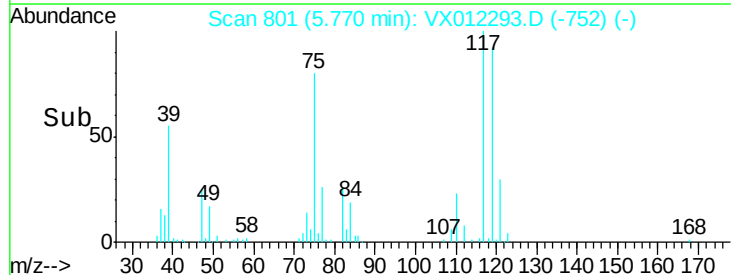
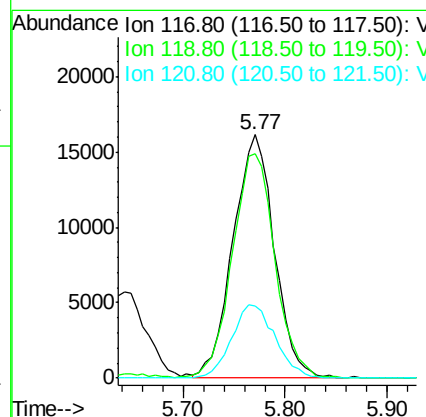
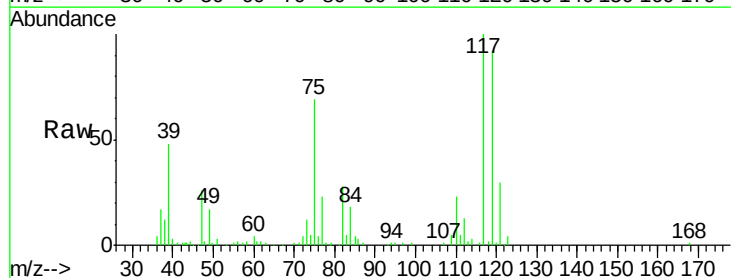
Manual Integrations
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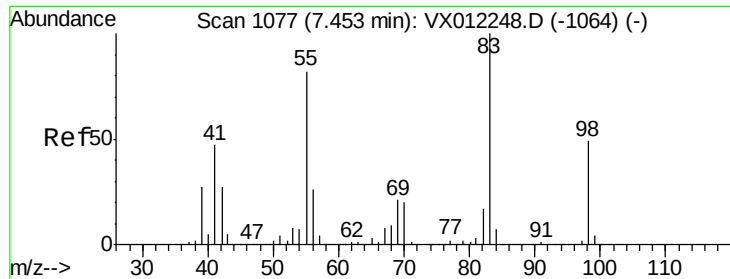
MMDadoda
9/12/2019 9:26:25 AM



#38
Carbon Tetrachloride
Concen: 21.645 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX012293.D
Acq: 11 Sep 2019 10:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.4	79.6	119.4
121	29.6	24.7	37.1





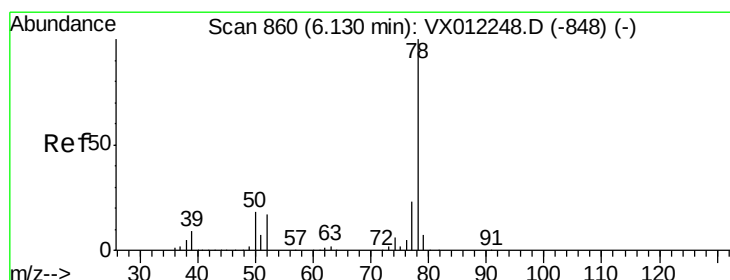
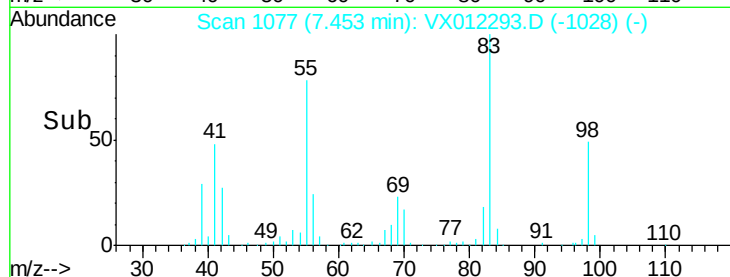
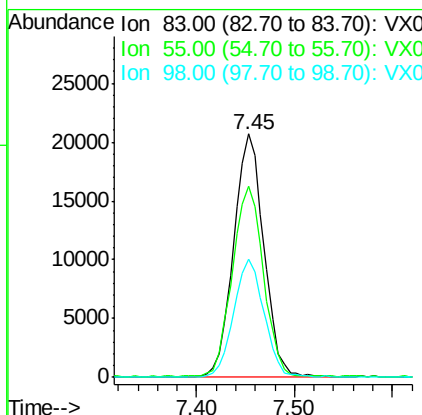
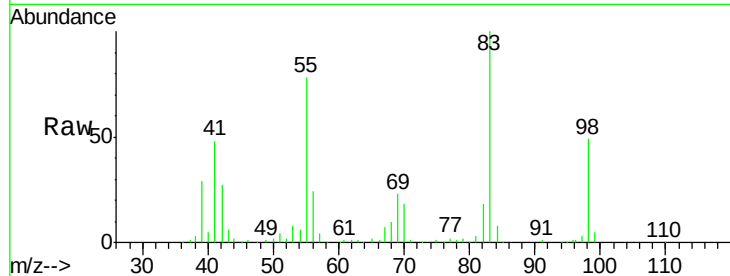
#39
Methylvlcyclohexane
Concen: 22.635 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX012293.D
Acq: 11 Sep 2019 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS01

Tot Ion	83	Resp	44486
Ion Ratio	Lower	Upper	
83	100		
55	78.0	65.4	98.2
98	48.7	39.6	59.4

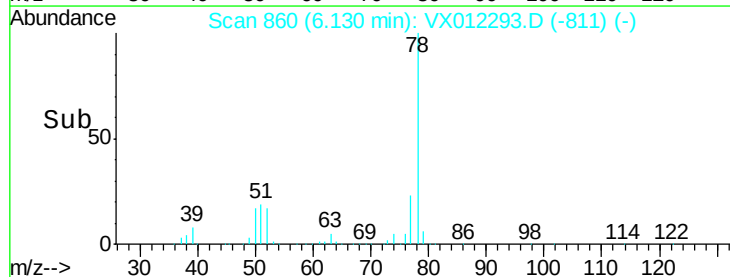
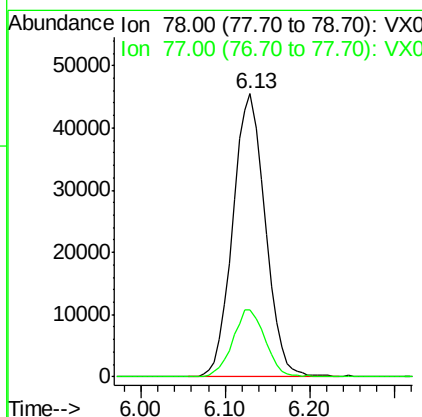
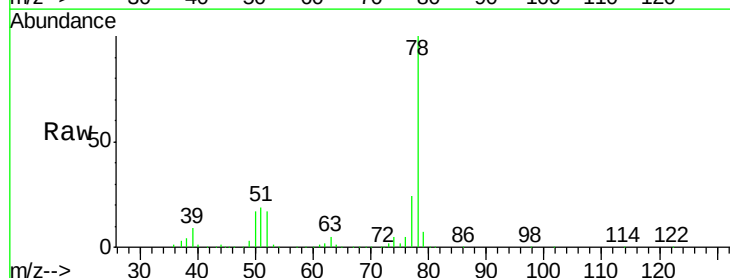
Manual Integrations
APPROVED

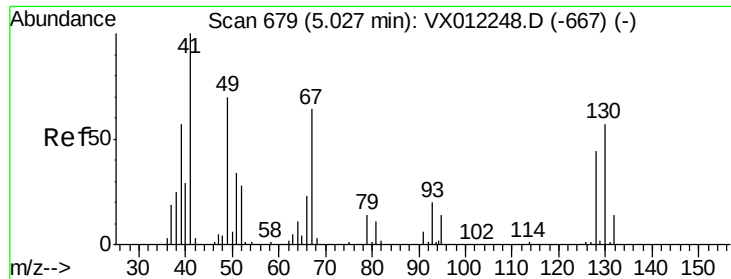
MMDadoda
9/12/2019 9:26:25 AM



#40
Benzene
Concen: 21.888 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012293.D
Acq: 11 Sep 2019 10:56

Tgt Ion	78	Resp	118640
Ion Ratio	Lower	Upper	
78	100		
77	23.8	18.0	27.0





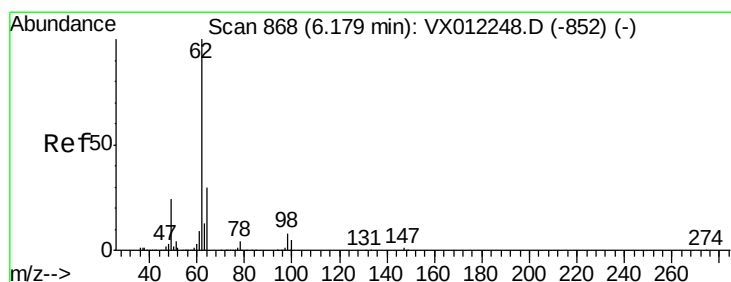
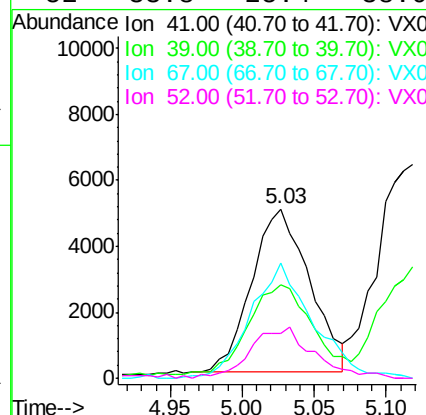
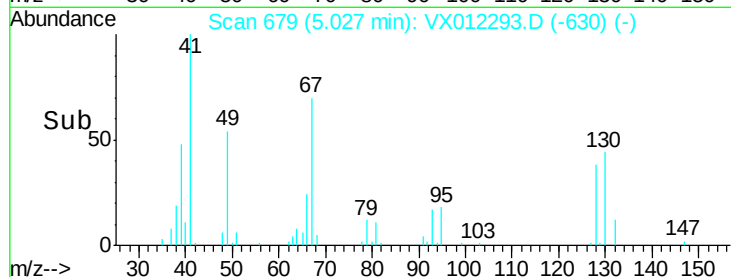
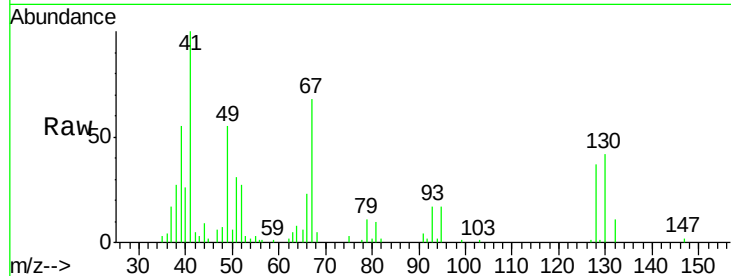
#41
Methacrylonitrile
Concen: 20.294 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.00 min
Lab File: VX012293.D
Acq: 11 Sep 2019 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		13850		
39	63.1	49.0	73.4		
67	75.7	55.0	82.4		
52	33.8	25.4	38.0		

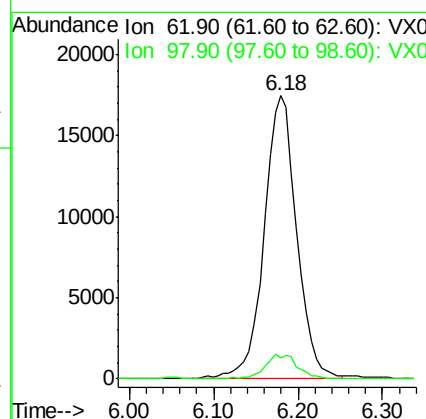
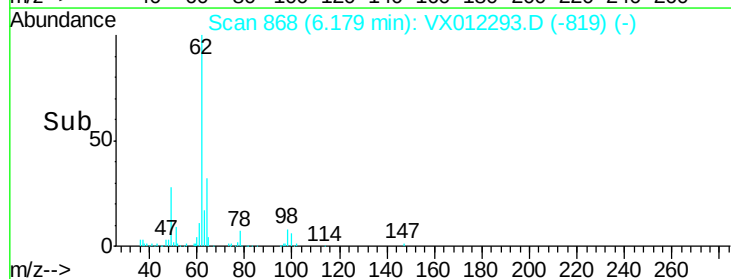
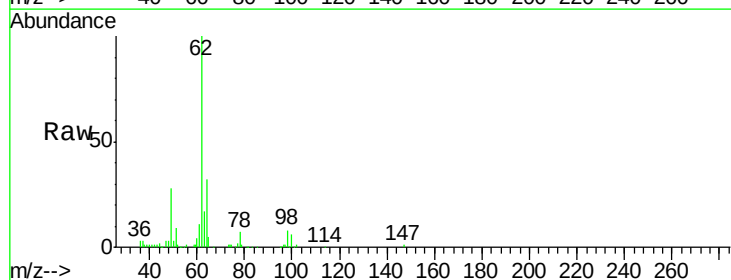
Manual Integrations
APPROVED

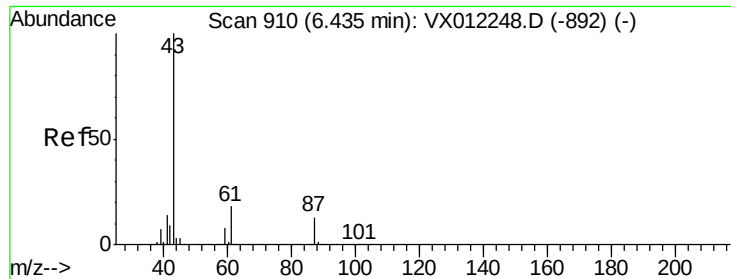
MMDadoda
9/12/2019 9:26:25 AM



#42
1,2-Dichloroethane
Concen: 21.722 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX012293.D
Acq: 11 Sep 2019 10:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		46534		
98	8.6	0.0	17.2		





#43

Isopropyl Acetate

Concen: 20.814 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX012293.D

Acq: 11 Sep 2019 10:56

Instrument :

MSVOA_X

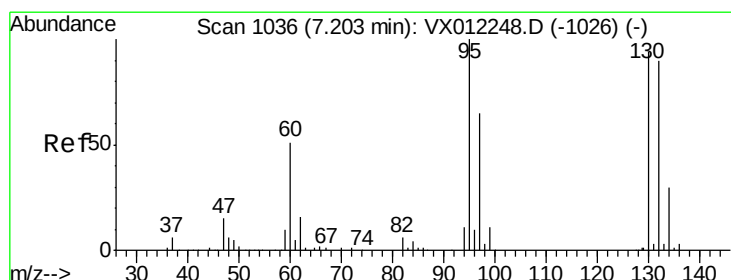
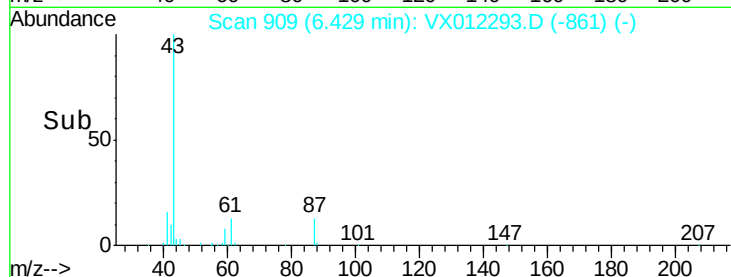
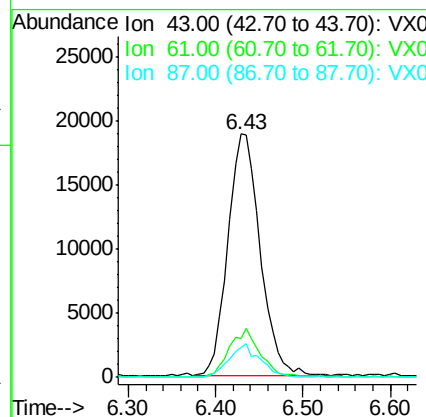
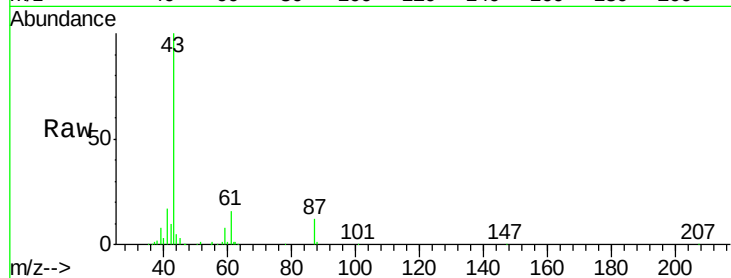
ClientSampleId :

VX0911SBS01

Tot Ion:	43	Resp:	48581
Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.4	23.2
87	13.1	10.5	15.7

Manual Integrations
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#44

Trichloroethene

Concen: 21.826 ug/l

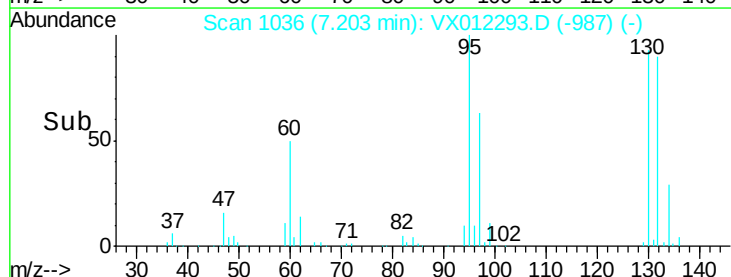
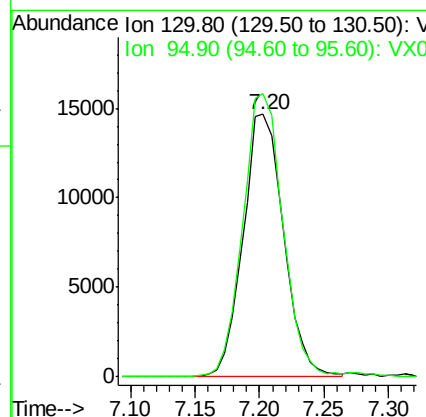
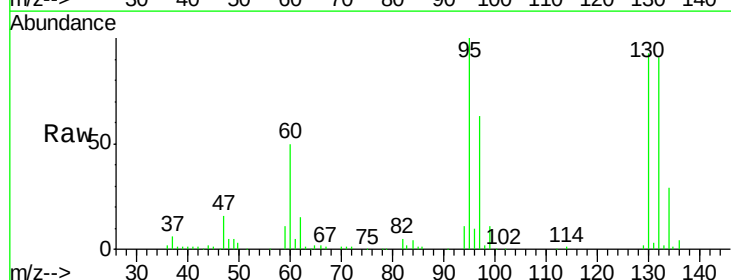
RT: 7.20 min Scan# 1036

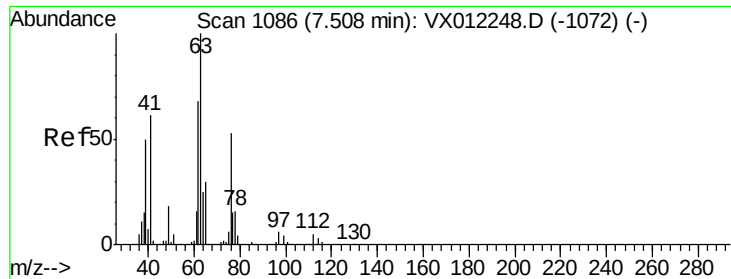
Delta R.T. -0.00 min

Lab File: VX012293.D

Acq: 11 Sep 2019 10:56

Tgt Ion:	130	Resp:	32016
Ion	Ratio	Lower	Upper
130	100		
95	107.8	0.0	212.0





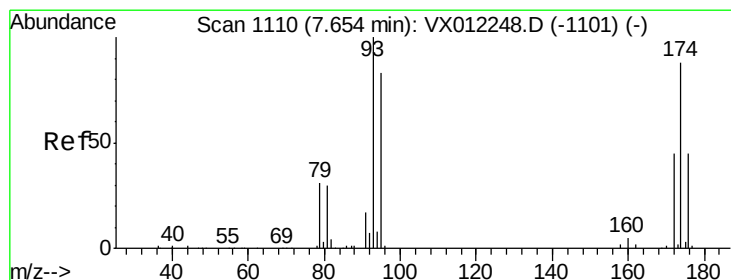
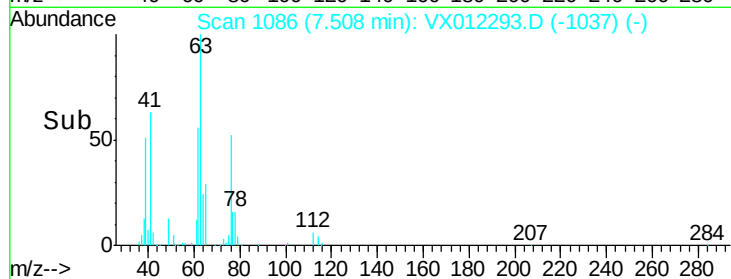
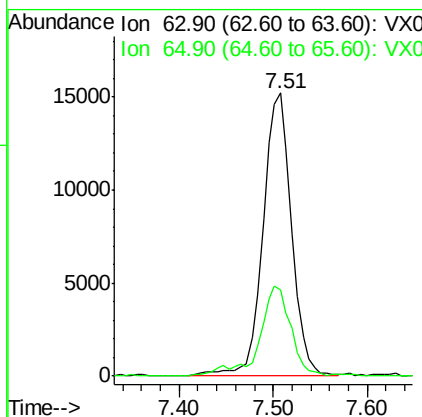
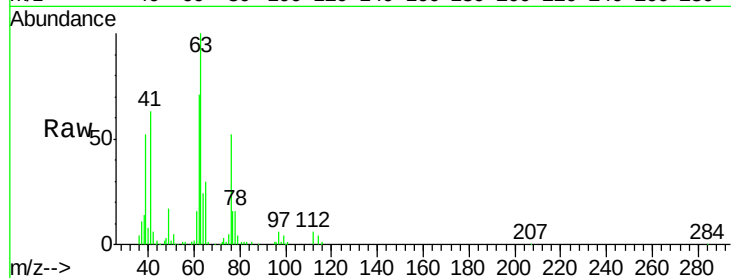
#45
 1,2-Dichloropropane
 Concen: 21.546 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX012293.D
 Acq: 11 Sep 2019 10:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.3	36.5

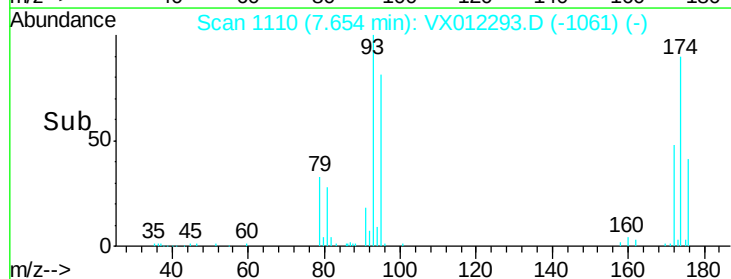
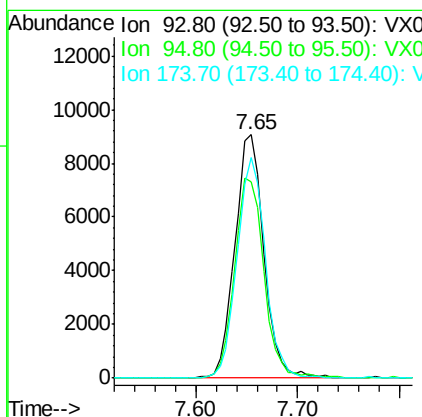
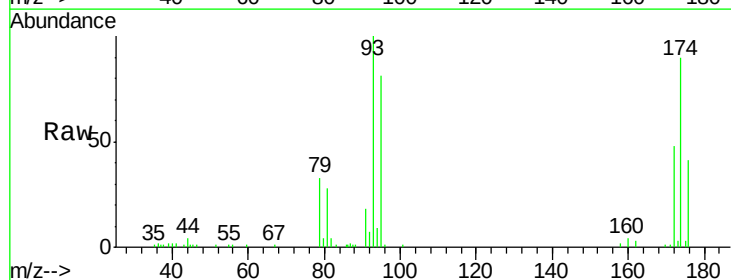
Manual Integrations
 APPROVED

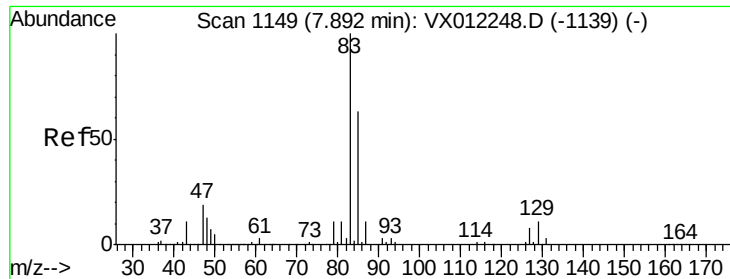
MMDadoda
 9/12/2019 9:26:25 AM



#46
 Dibromomethane
 Concen: 21.698 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX012293.D
 Acq: 11 Sep 2019 10:56

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	65.7	98.5
174	88.5	71.0	106.4





#47

Bromodichloromethane

Concen: 20.358 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX012293.D

Acq: 11 Sep 2019 10:56

Instrument :

MSVOA_X

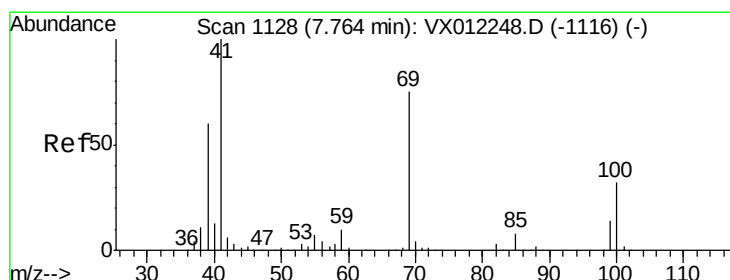
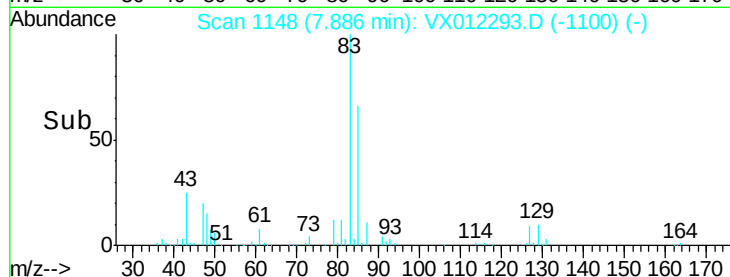
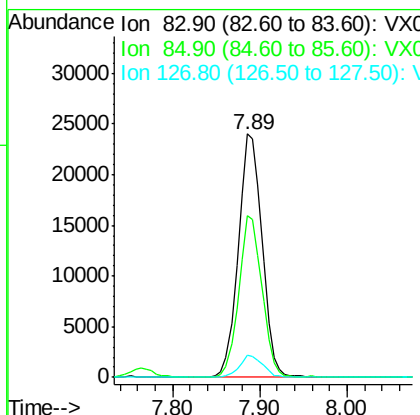
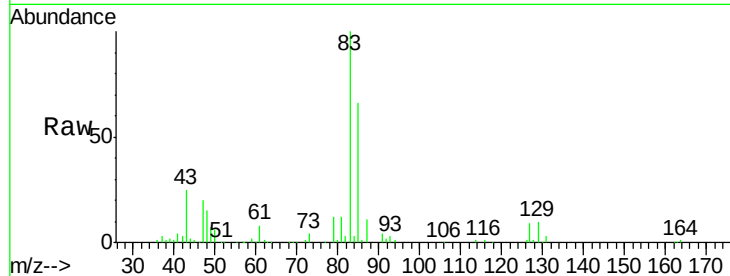
ClientSampleId :

VX0911SBS01

Tot Ion:	83	Resp:	45555
Ion	Ratio	Lower	Upper
83	100		
85	66.5	50.2	75.4
127	9.3	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.867 ug/l

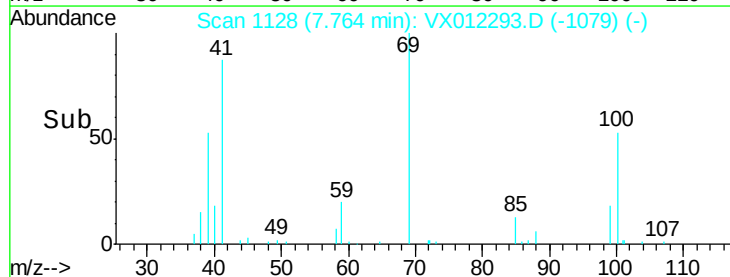
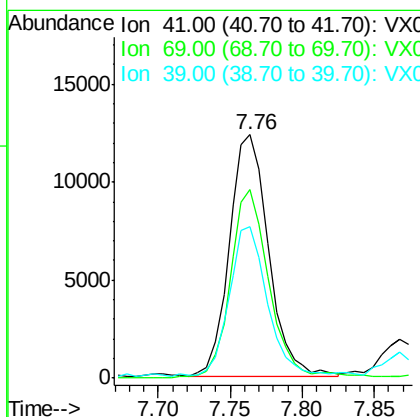
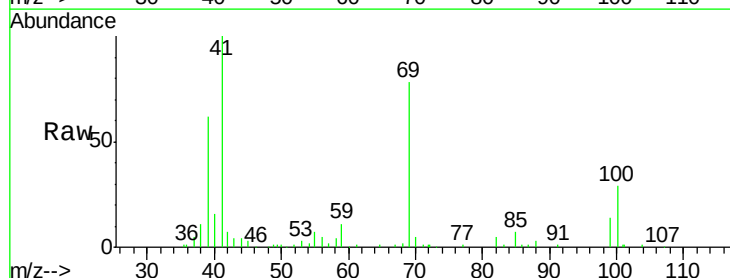
RT: 7.76 min Scan# 1128

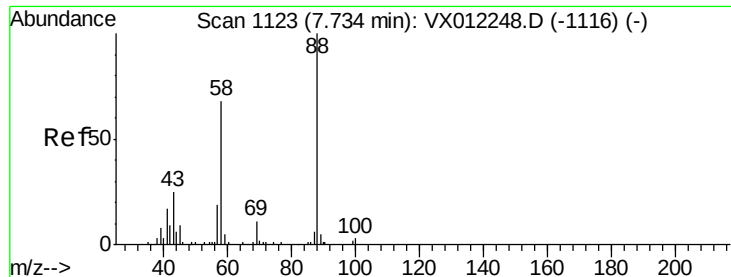
Delta R.T. -0.00 min

Lab File: VX012293.D

Acq: 11 Sep 2019 10:56

Tgt Ion:	41	Resp:	23313
Ion	Ratio	Lower	Upper
41	100		
69	78.1	61.8	92.6
39	60.2	48.6	73.0





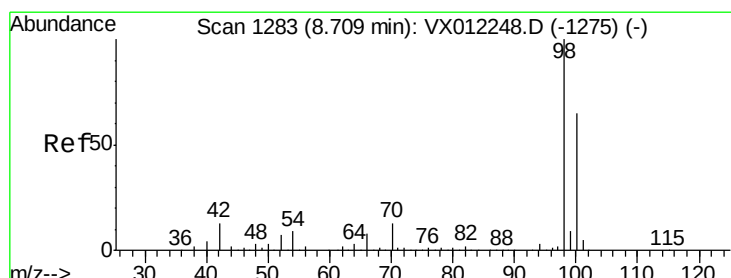
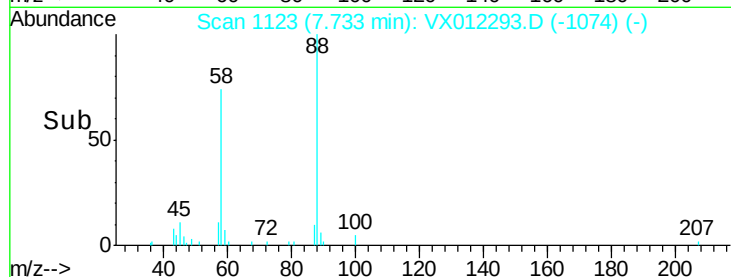
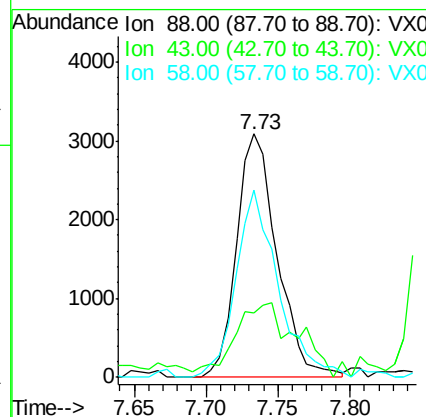
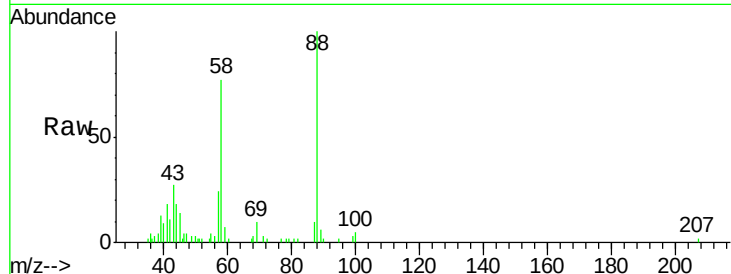
#49
1,4-Dioxane
Concen: 401.718 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX012293.D
Acq: 11 Sep 2019 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	6056		
43	46.5		31.0	46.4#
58	80.1		61.5	92.3

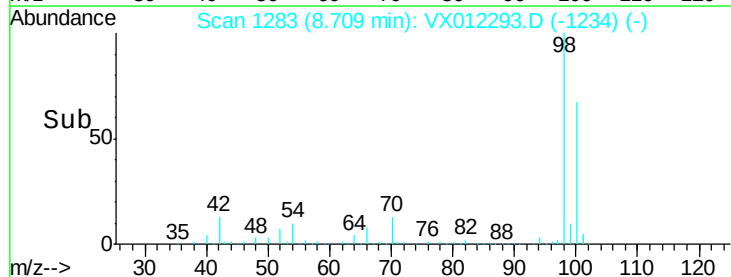
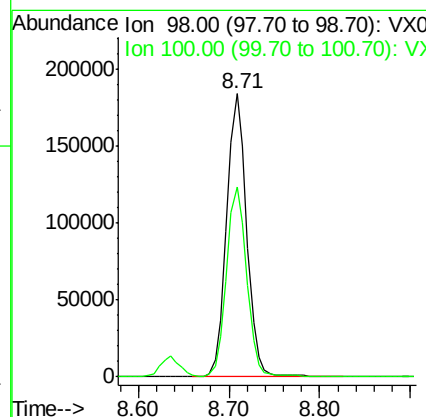
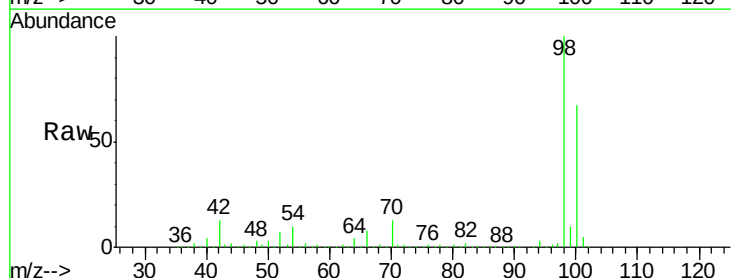
Manual Integrations
APPROVED

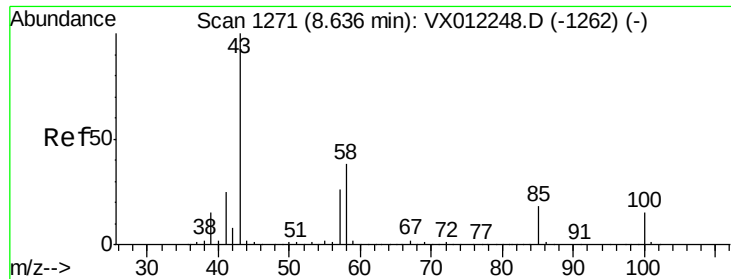
MMDadoda
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#50
Toluene-d8
Concen: 51.569 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012293.D
Acq: 11 Sep 2019 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	284773		
100	67.9		54.1	81.1





#51

4-Methyl-2-Pentanone

Concen: 103.396 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012293.D

Acq: 11 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS01

Tot Ion: 43 Resp: 127367

Ion Ratio Lower Upper

43 100

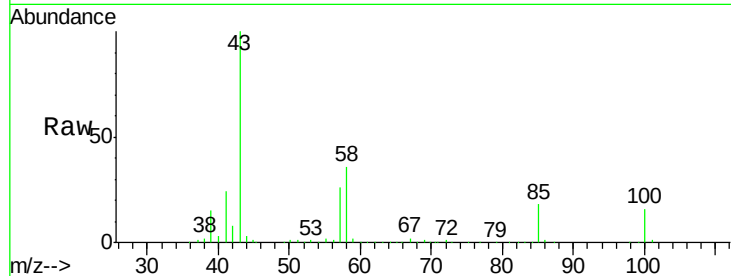
58 37.4 30.1 45.1

Manual Integrations

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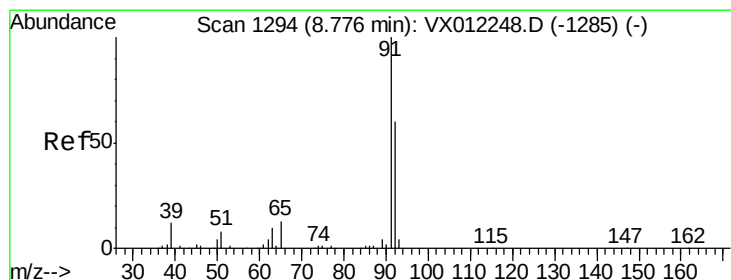
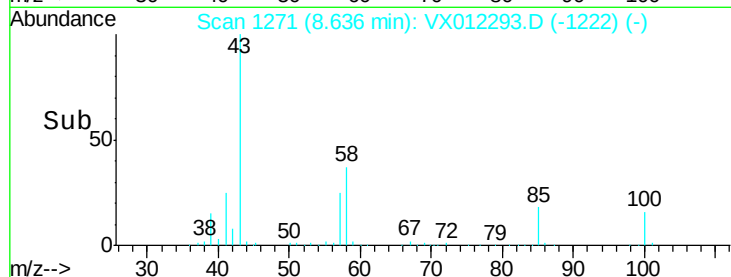
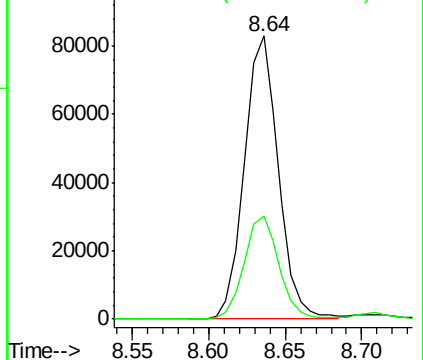
MMDadoda

9/12/2019 9:26:25 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 22.383 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX012293.D

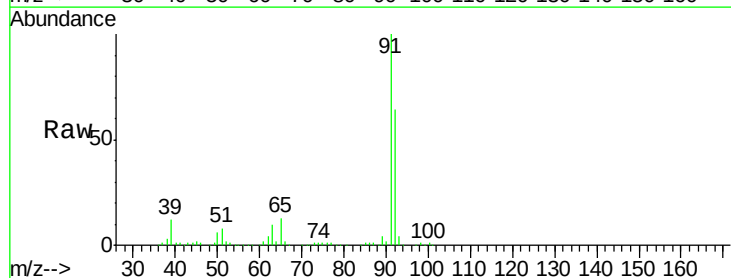
Acq: 11 Sep 2019 10:56

Tgt Ion: 92 Resp: 80134

Ion Ratio Lower Upper

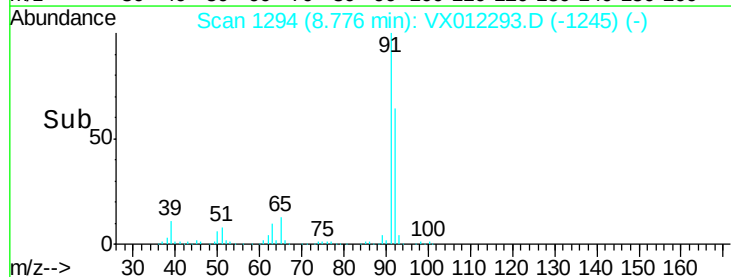
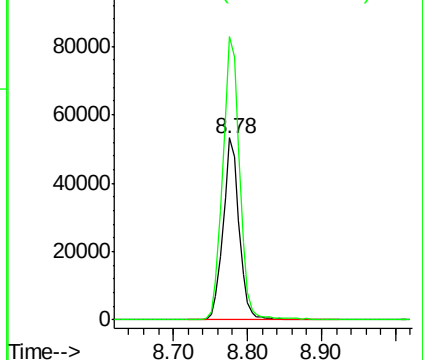
92 100

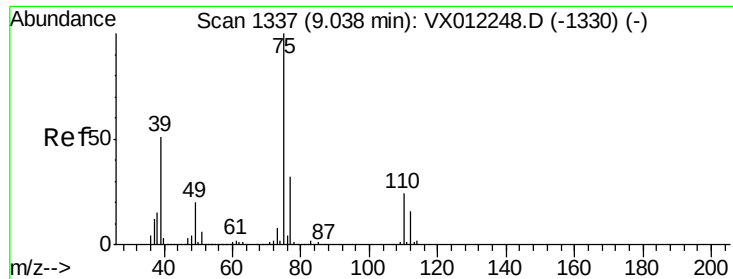
91 164.0 133.6 200.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





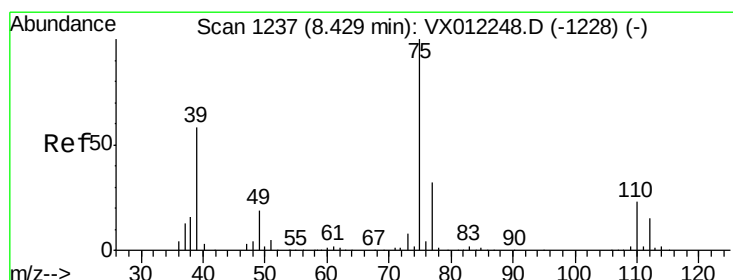
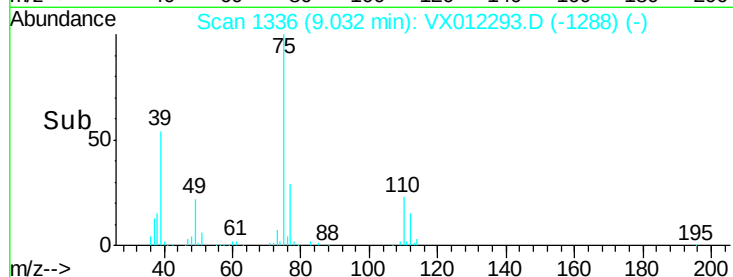
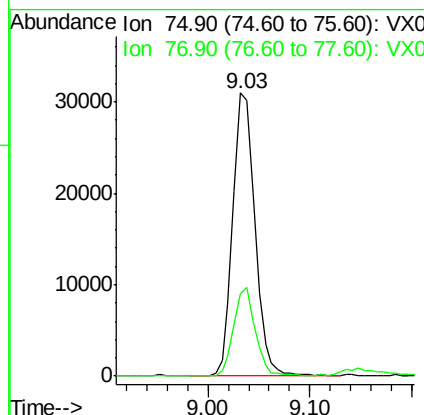
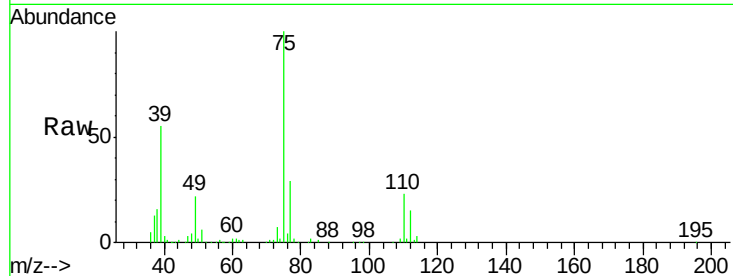
#53
t-1,3-Dichloropropene
Concen: 20.915 ug/l
RT: 9.03 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VX012293.D
Acq: 11 Sep 2019 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS01

Tot Ion: 75 Resp: 46713
Ion Ratio Lower Upper
75 100
77 29.3 25.8 38.6

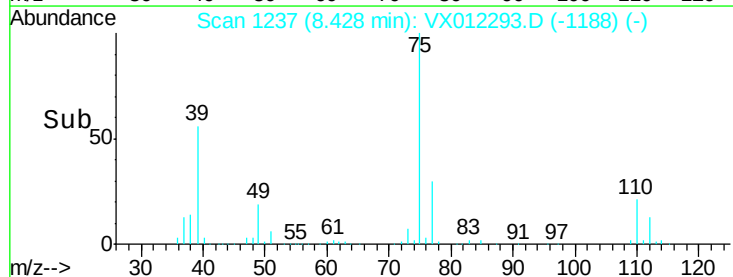
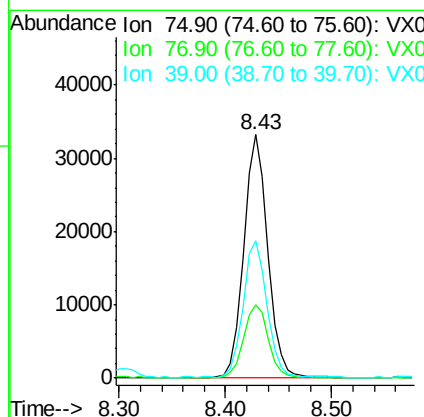
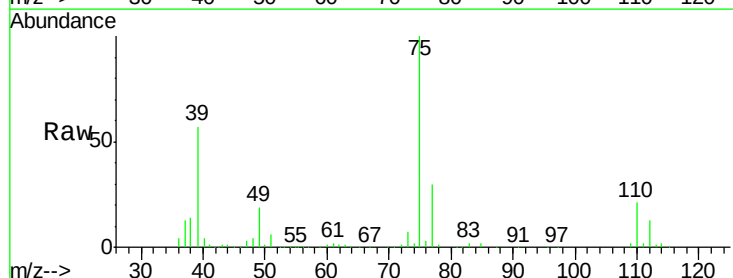
Manual Integrations
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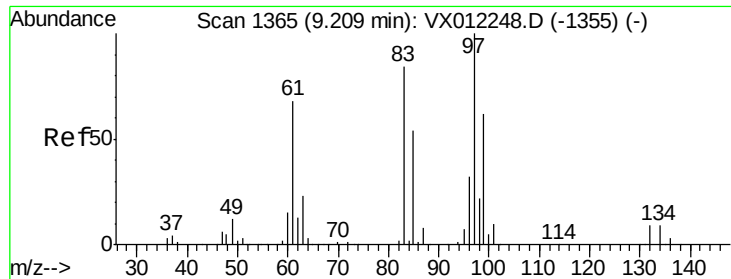
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 21.241 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX012293.D
Acq: 11 Sep 2019 10:56

Tgt Ion: 75 Resp: 52606
Ion Ratio Lower Upper
75 100
77 29.8 25.4 38.2
39 56.0 46.5 69.7





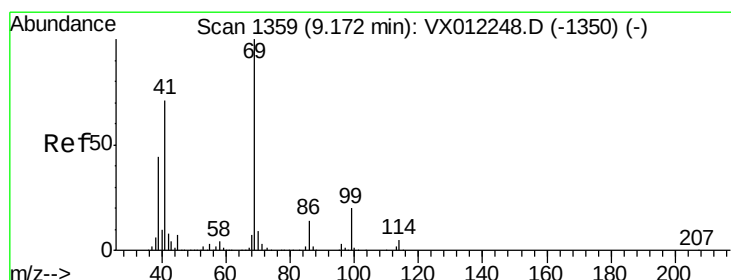
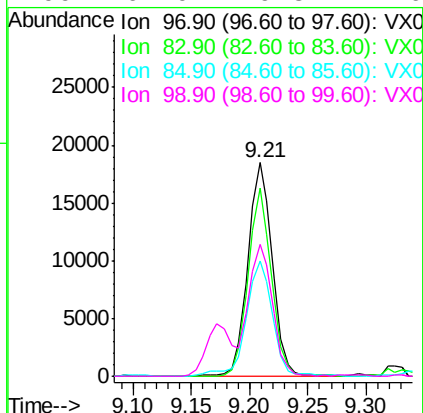
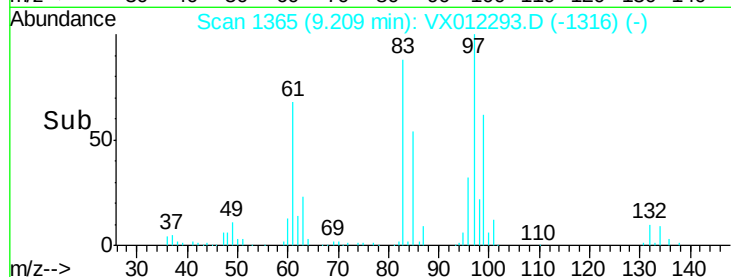
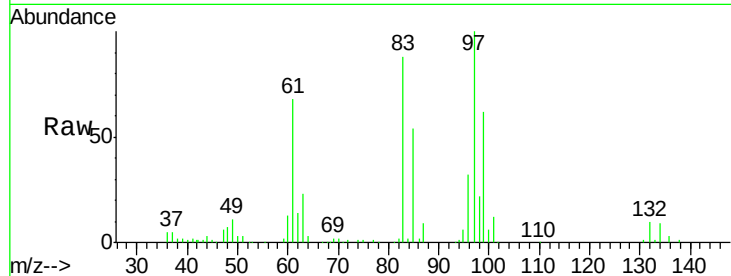
#55
 1,1,2-Trichloroethane
 Concen: 21.359 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012293.D
 Acq: 11 Sep 2019 10:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBS01

Tot Ion:	97	Resp:	27133
Ion	Ratio	Lower	Upper
97	100		
83	87.9	67.4	101.2
85	54.1	43.4	65.2
99	61.0	49.8	74.6

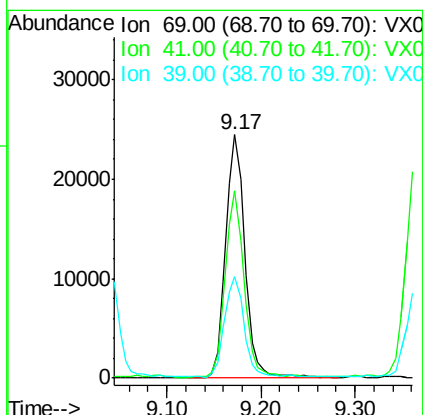
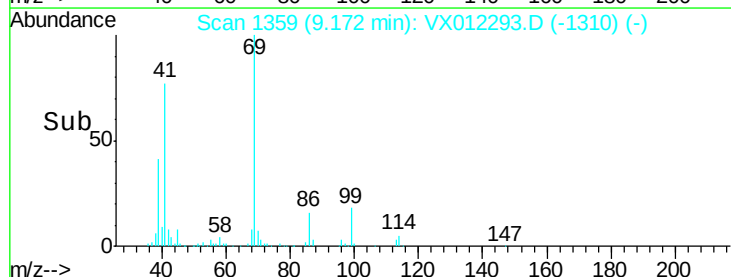
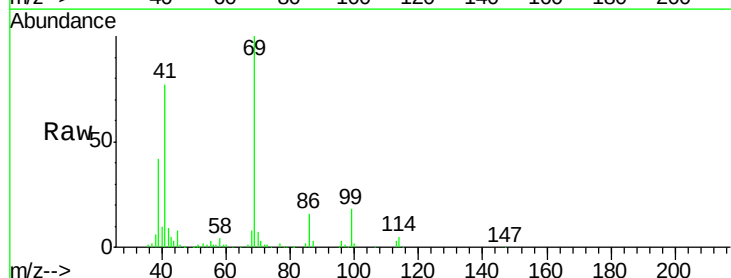
Manual Integrations
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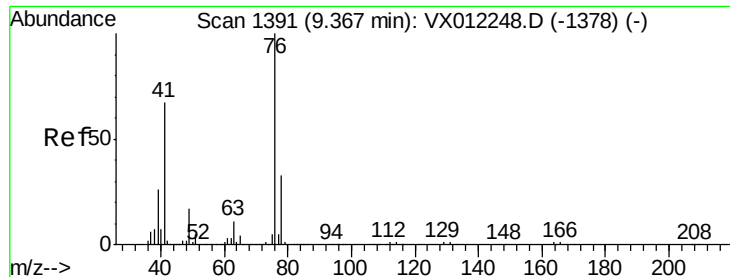
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#56
 Ethyl methacrylate
 Concen: 20.397 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012293.D
 Acq: 11 Sep 2019 10:56

Tgt Ion:	69	Resp:	35083
Ion	Ratio	Lower	Upper
69	100		
41	74.2	57.7	86.5
39	41.1	34.0	51.0





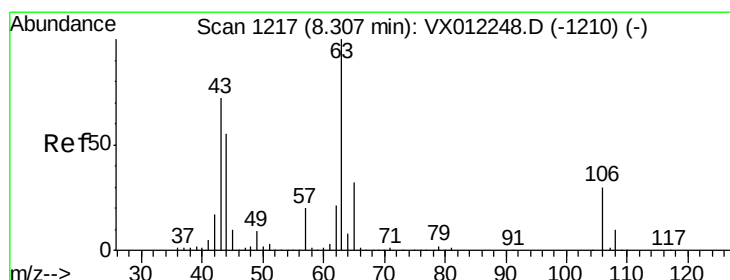
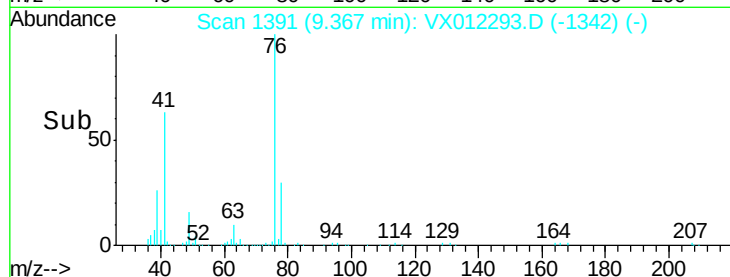
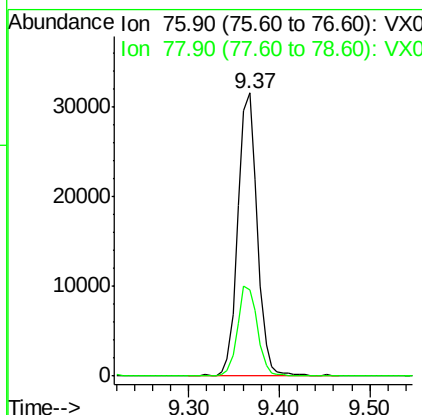
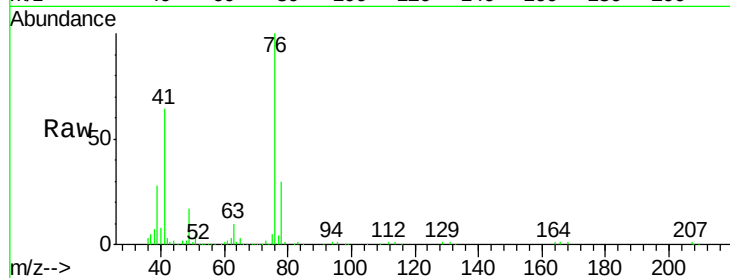
#57
 1,3-Dichloropropane
 Concen: 21.630 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX012293.D
 Acq: 11 Sep 2019 10:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBS01

Tot Ion: 76 Resp: 46930
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.0 39.0

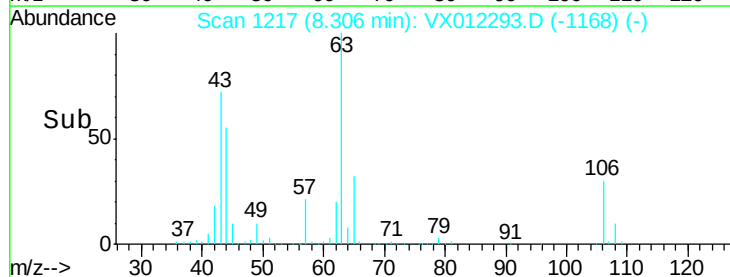
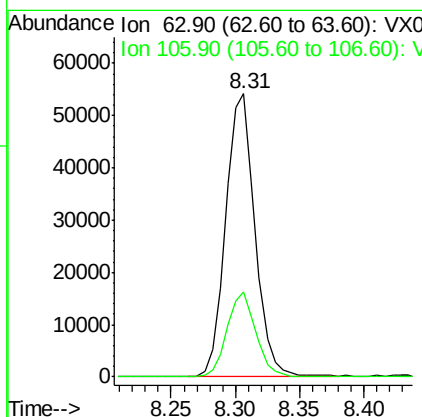
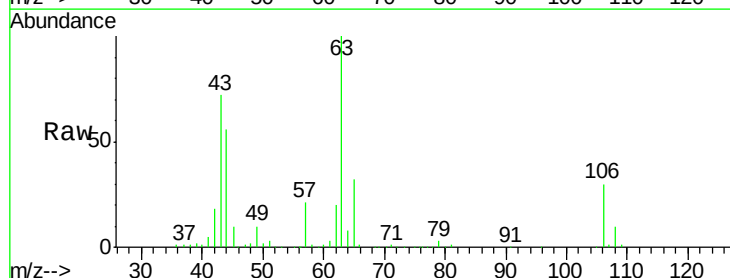
Manual Integrations
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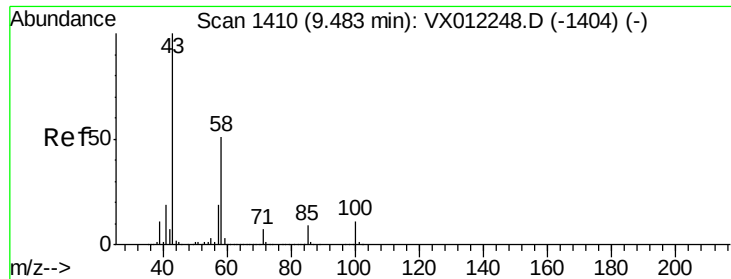
MMDadoda
 9/12/2019 9:26:25 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.159 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VX012293.D
 Acq: 11 Sep 2019 10:56

Tgt Ion: 63 Resp: 86534
 Ion Ratio Lower Upper
 63 100
 106 29.6 23.4 35.2





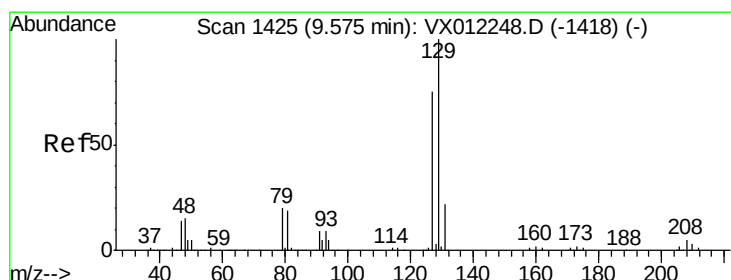
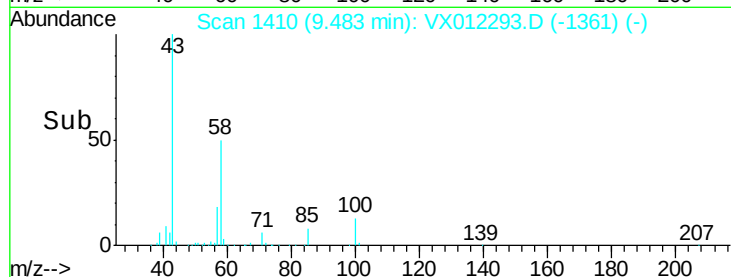
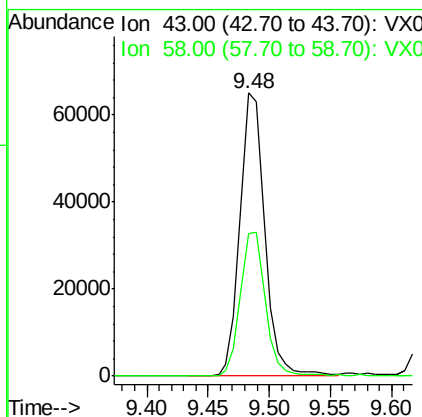
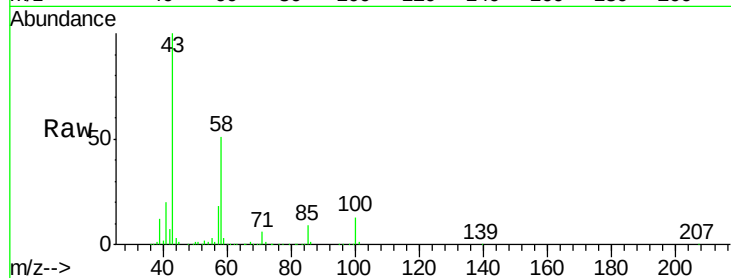
#59
2-Hexanone
Concen: 106.349 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX012293.D
Acq: 11 Sep 2019 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS01

Tot Ion: 43 Resp: 91089
Ion Ratio Lower Upper
43 100
58 51.9 25.8 77.3

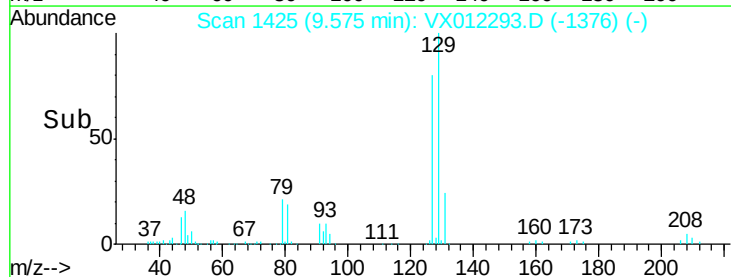
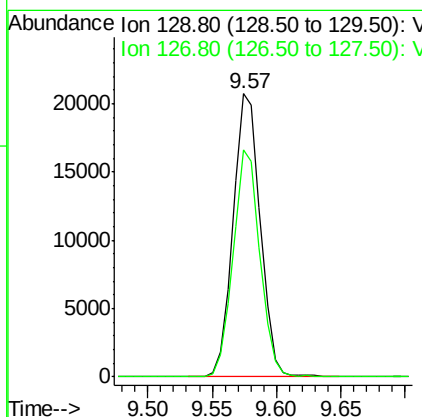
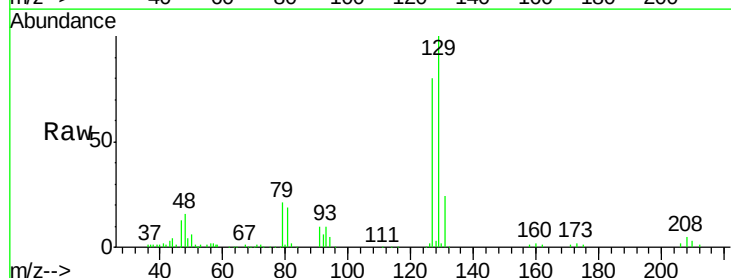
Manual Integrations
APPROVED

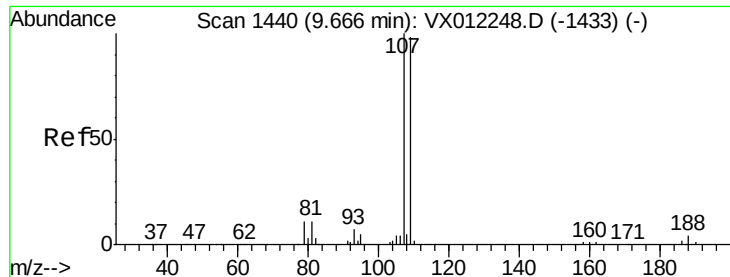
MMDadoda
9/12/2019 9:26:25 AM



#60
Dibromochloromethane
Concen: 20.584 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX012293.D
Acq: 11 Sep 2019 10:56

Tgt Ion: 129 Resp: 30527
Ion Ratio Lower Upper
129 100
127 79.1 38.1 114.3





#61

1,2-Dibromoethane

Concen: 21.262 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012293.D

Acq: 11 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS01

Tot Ion:107 Resp: 25143

Ion Ratio Lower Upper

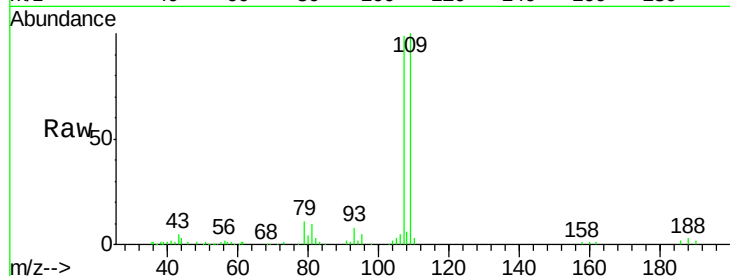
107 100

109 94.2 76.3 114.5

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

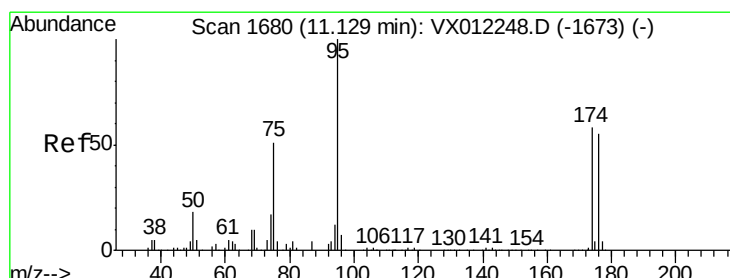
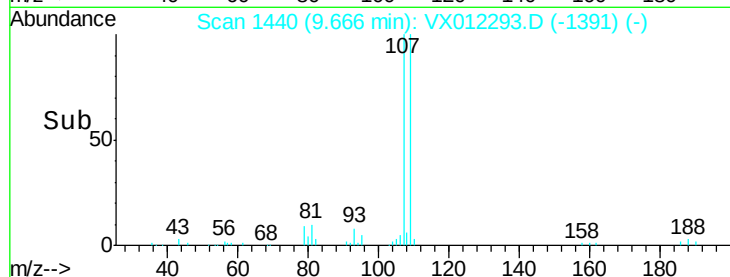
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.653 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012293.D

Acq: 11 Sep 2019 10:56

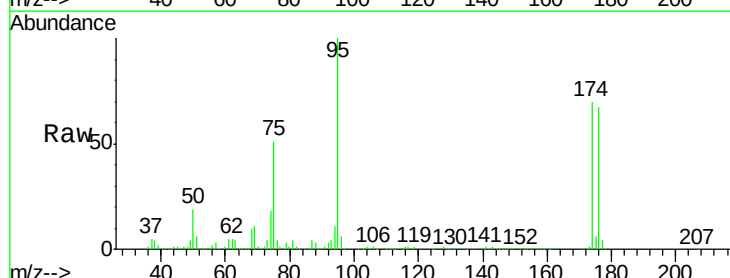
Tgt Ion: 95 Resp: 119434

Ion Ratio Lower Upper

95 100

174 66.5 0.0 127.0

176 63.8 0.0 125.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

120000

100000

80000

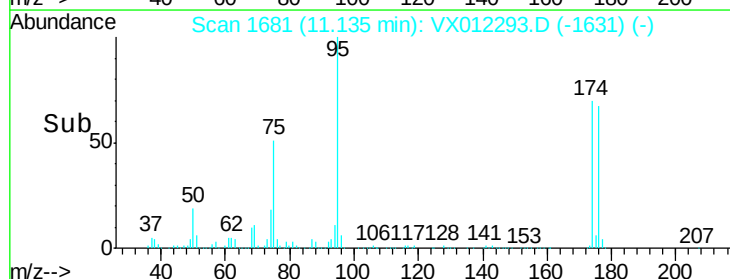
60000

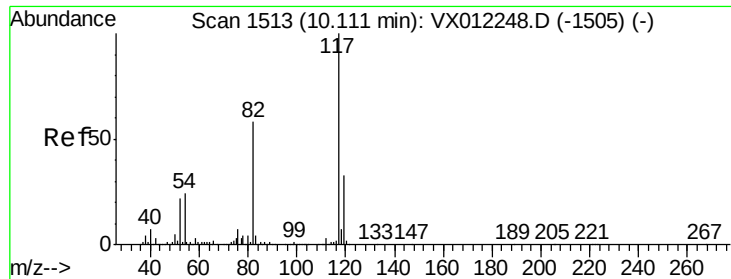
40000

20000

0

Time-->





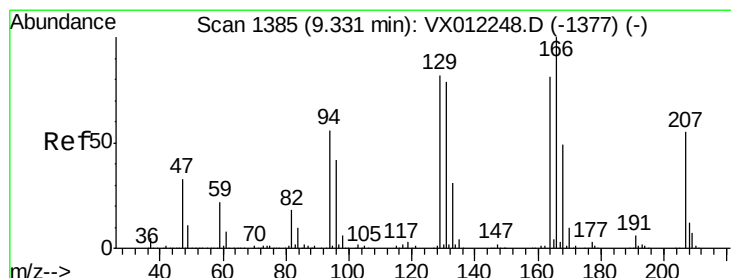
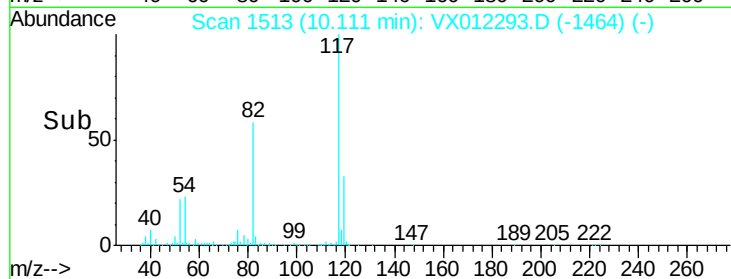
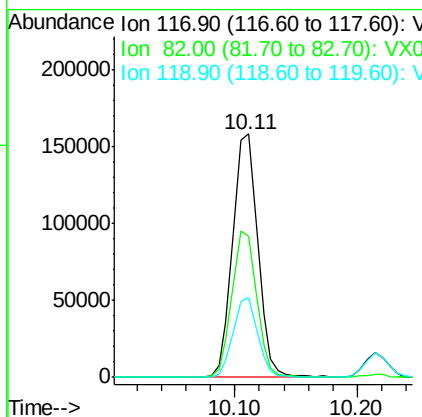
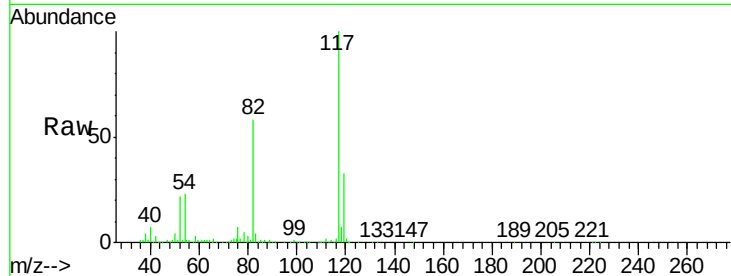
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012293.D
Acq: 11 Sep 2019 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	225017		
82	57.8	46.4	69.6	
119	32.5	26.6	39.8	

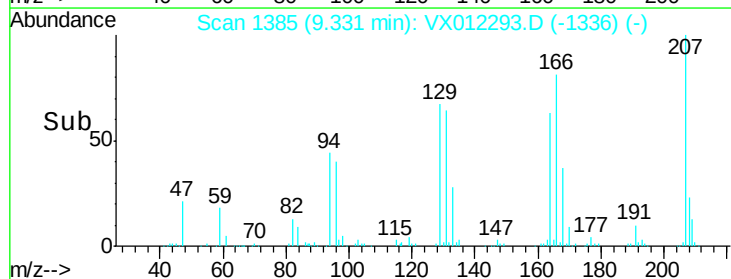
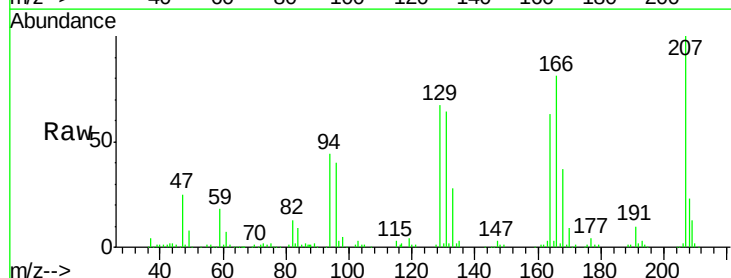
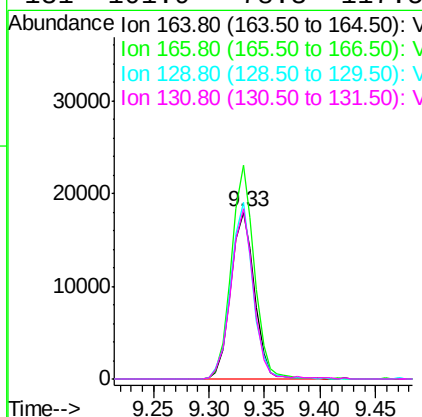
Manual Integrations
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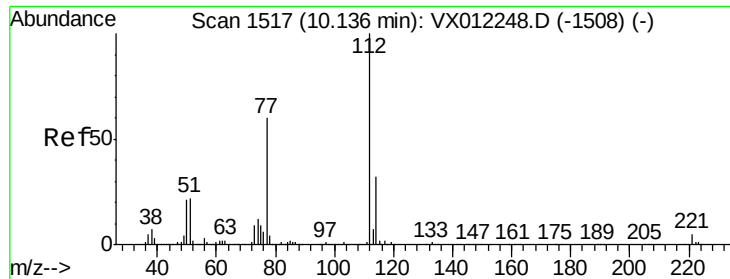
MMDadoda
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#64
Tetrachloroethene
Concen: 22.382 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012293.D
Acq: 11 Sep 2019 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	26636		
166	128.0	99.4	149.0	
129	106.2	81.8	122.8	
131	101.9	78.3	117.5	





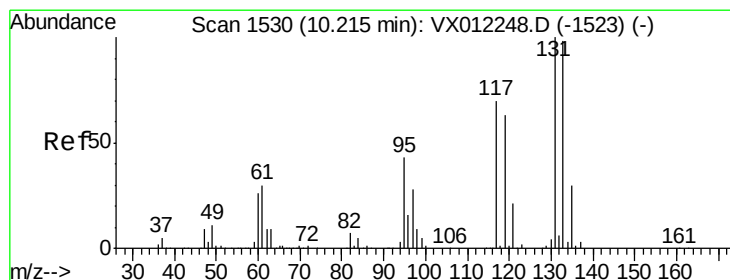
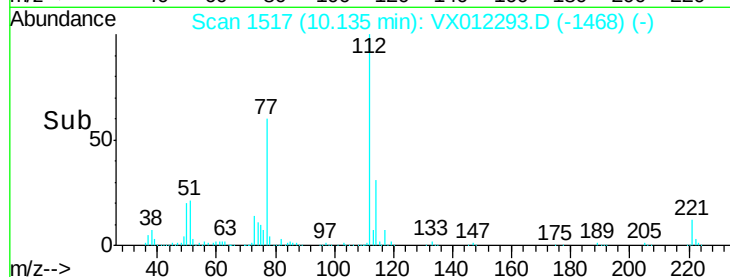
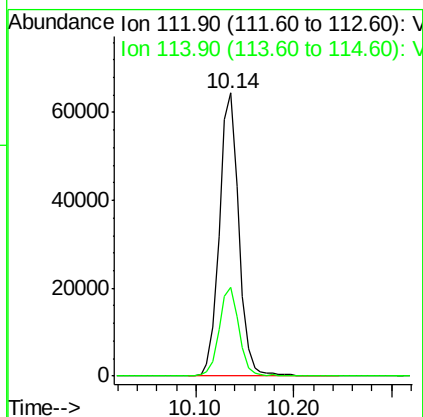
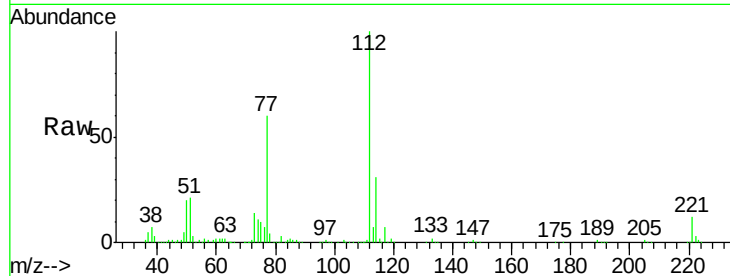
#65
Chlorobenzene
Concen: 21.579 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012293.D
Acq: 11 Sep 2019 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS01

Tot Ion:112 Resp: 88722
Ion Ratio Lower Upper
112 100
114 31.2 25.4 38.0

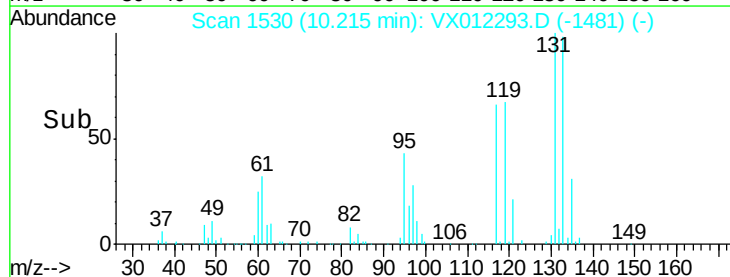
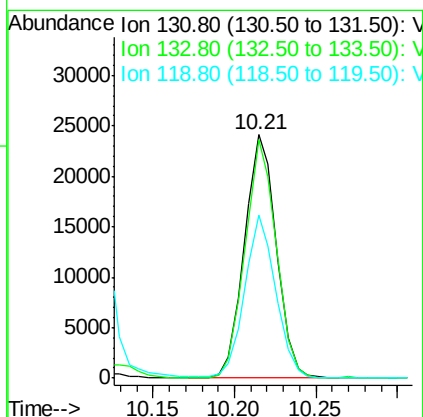
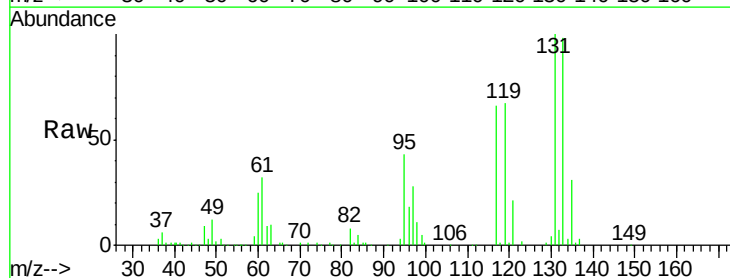
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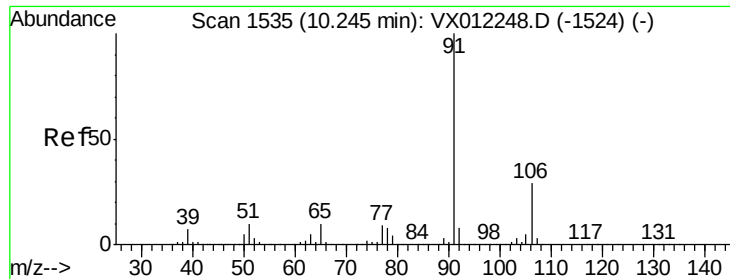
MMDadoda
9/12/2019 9:26:25 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.240 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX012293.D
Acq: 11 Sep 2019 10:56

Tgt Ion:131 Resp: 32919
Ion Ratio Lower Upper
131 100
133 96.1 48.0 144.2
119 65.5 31.6 95.0





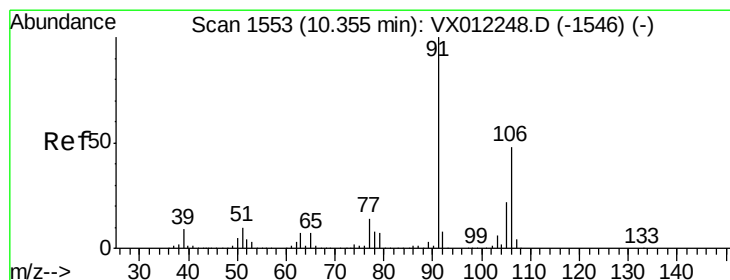
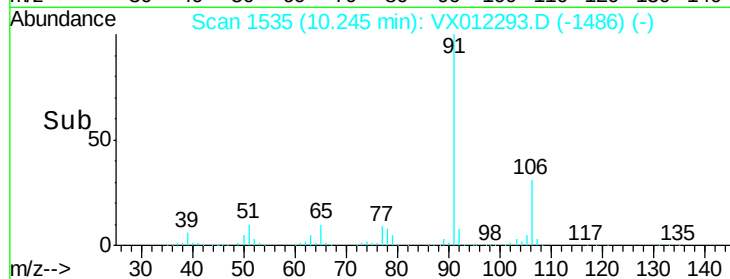
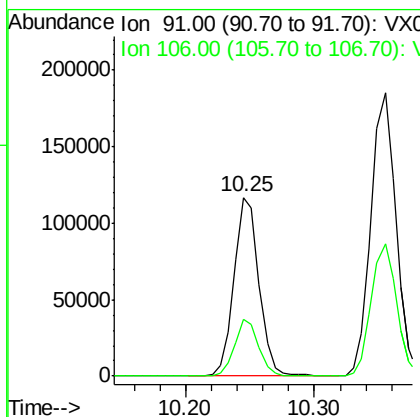
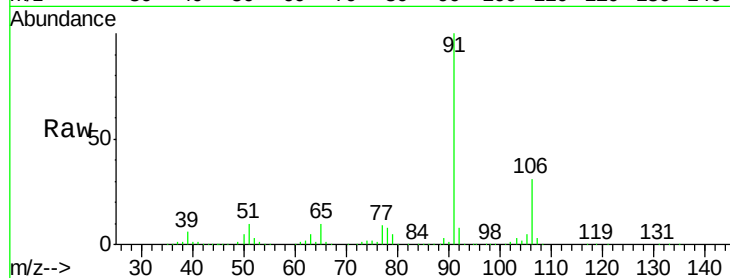
#67
Ethyl Benzene
Concen: 21.682 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012293.D
Acq: 11 Sep 2019 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS01

Tot Ion: 91 Resp: 158547
Ion Ratio Lower Upper
91 100
106 31.4 23.1 34.7

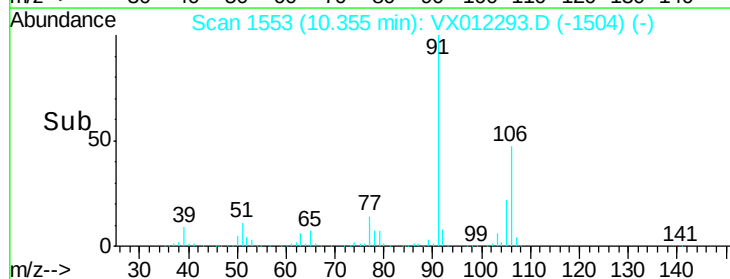
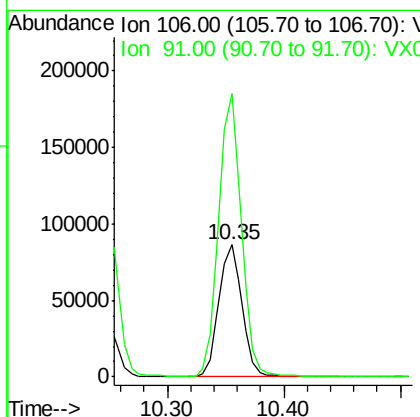
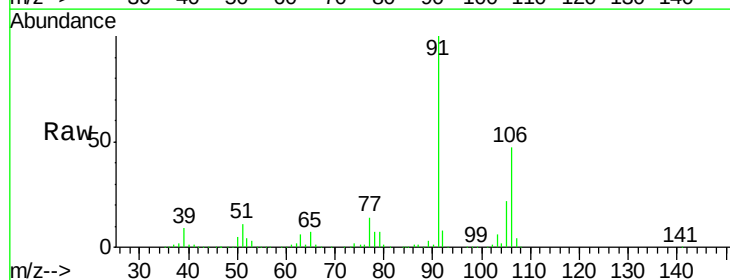
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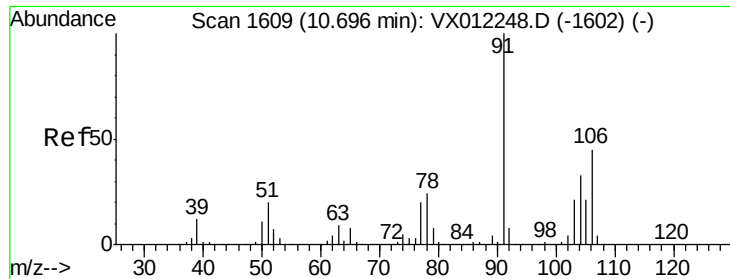
MMDadoda
9/12/2019 9:26:25 AM



#68
m/p-Xylenes
Concen: 44.154 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012293.D
Acq: 11 Sep 2019 10:56

Tgt Ion: 106 Resp: 118856
Ion Ratio Lower Upper
106 100
91 210.0 167.0 250.6





#69

o-Xylene

Concen: 21.575 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. -0.00 min

Lab File: VX012293.D

Acq: 11 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS01

Tot Ion:106 Resp: 56893

Ion Ratio Lower Upper

106 100

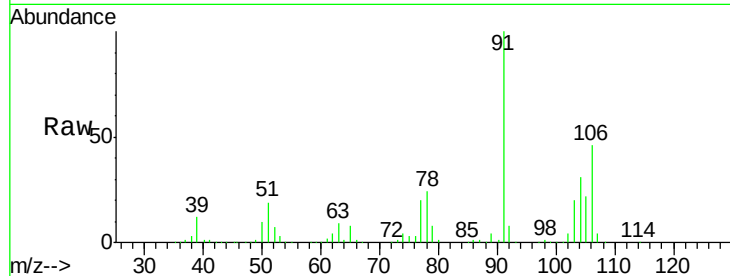
91 222.2 110.5 331.4

Manual Integrations

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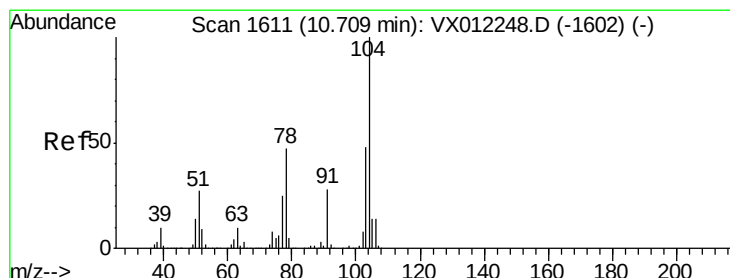
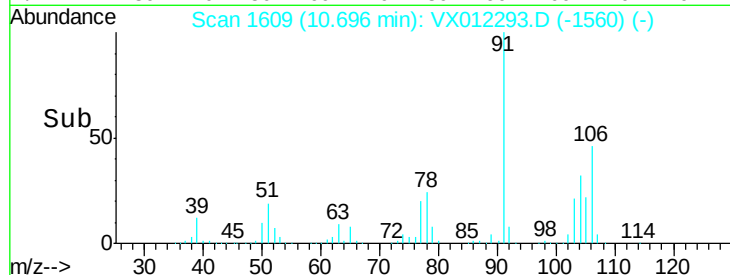
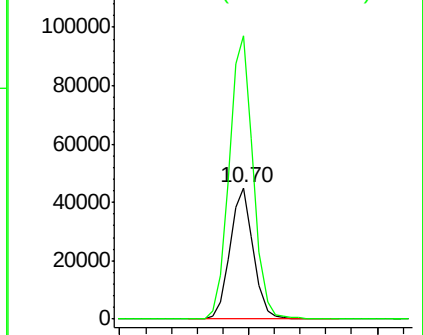
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#70

Styrene

Concen: 21.424 ug/l

RT: 10.71 min Scan# 1611

Delta R.T. -0.00 min

Lab File: VX012293.D

Acq: 11 Sep 2019 10:56

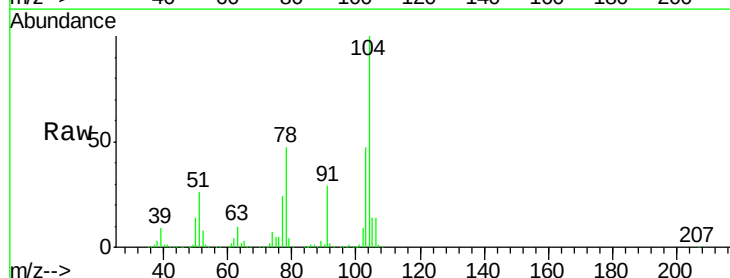
Tgt Ion:104 Resp: 100193

Ion Ratio Lower Upper

104 100

78 55.5 44.2 66.2

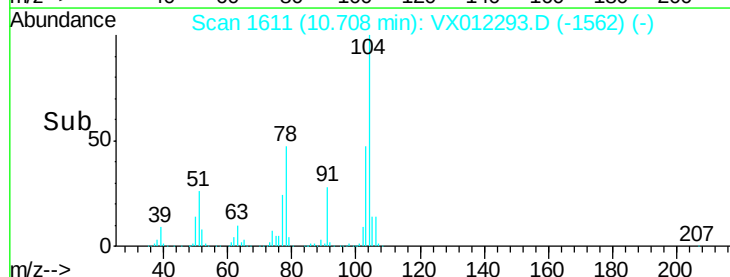
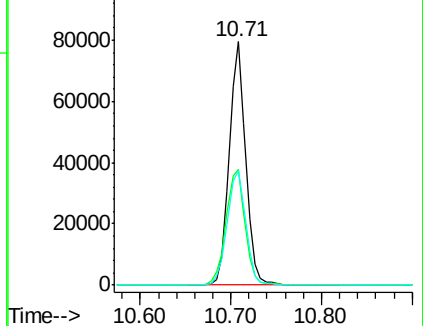
103 53.9 42.5 63.7

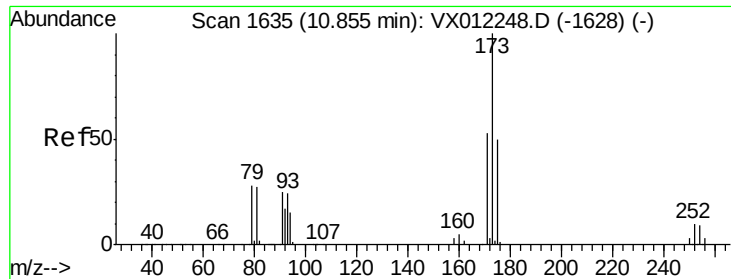


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 20.300 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012293.D

Acq: 11 Sep 2019 10:56

Instrument :

MSVOA_X

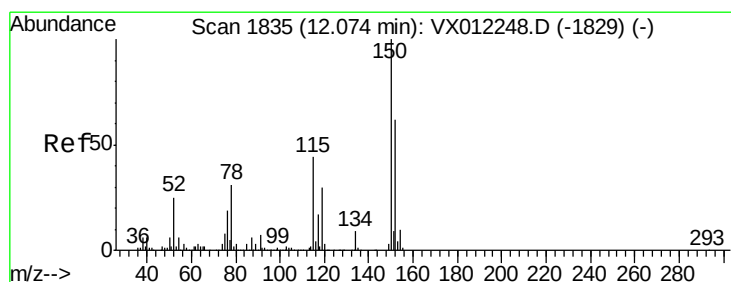
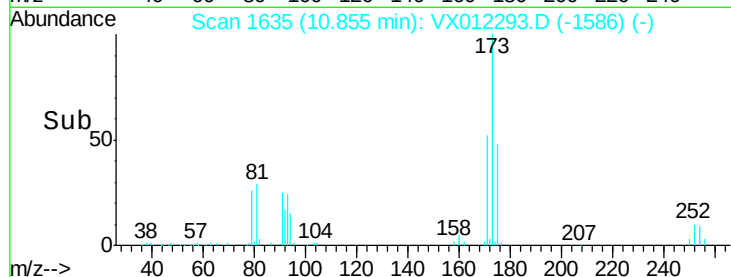
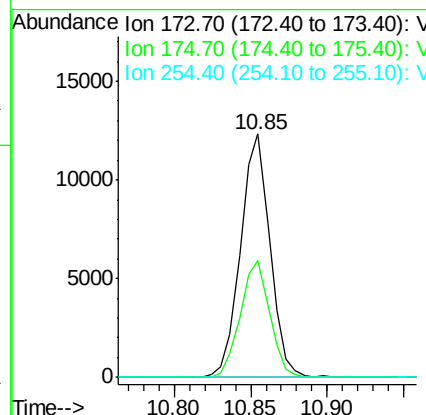
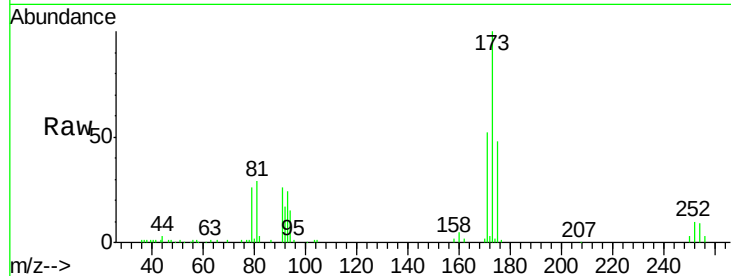
ClientSampleId :

VX0911SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.5	73.5
254	0.0	0.2	0.4

Manual Integrations
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9/12/2019 9:26:25 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

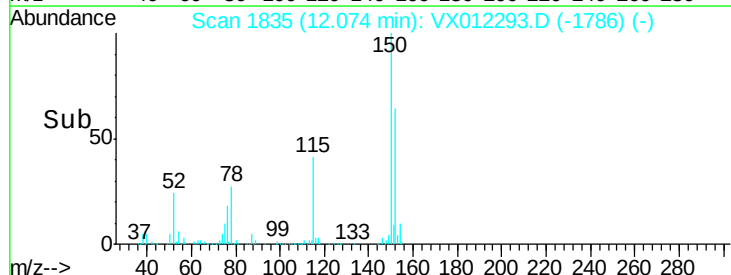
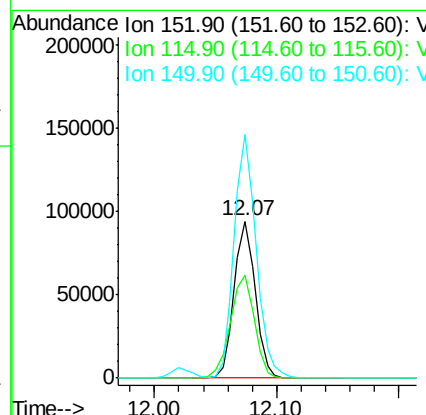
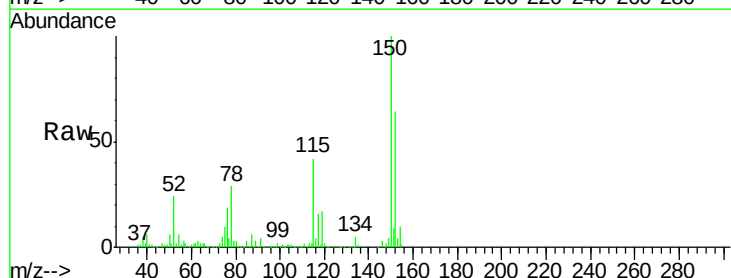
RT: 12.07 min Scan# 1835

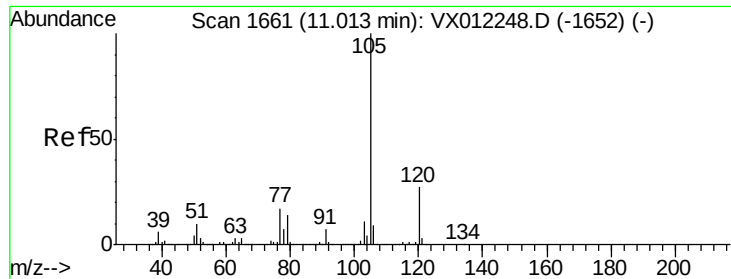
Delta R.T. -0.00 min

Lab File: VX012293.D

Acq: 11 Sep 2019 10:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	75.4	45.5	136.4
150	163.0	0.0	346.4





#73

Isopropylbenzene

Concen: 21.502 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012293.D

Acq: 11 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS01

Tot Ion: 105 Resp: 157650

Ion Ratio Lower Upper

105 100

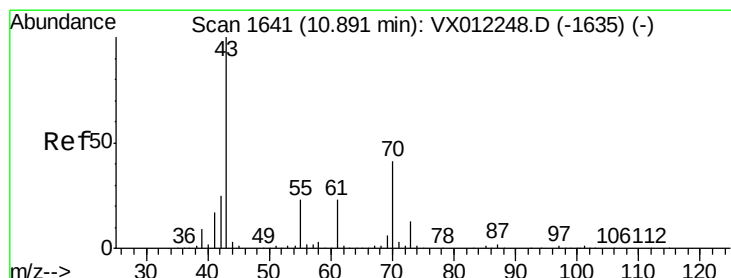
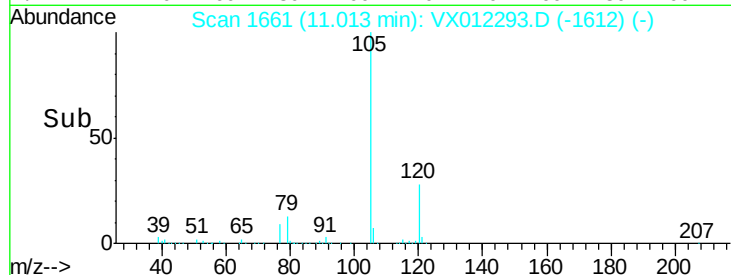
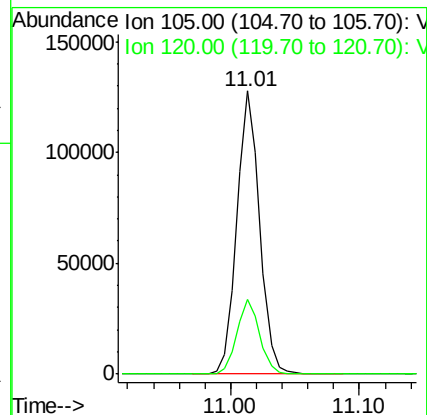
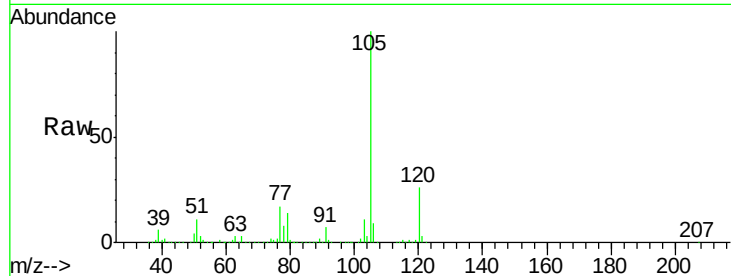
120 26.3 13.2 39.5

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.849 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012293.D

Acq: 11 Sep 2019 10:56

Tgt Ion: 43 Resp: 43271

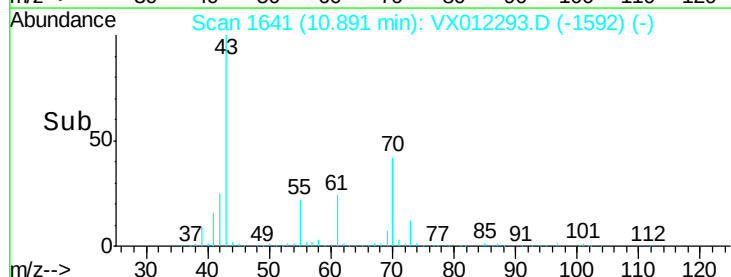
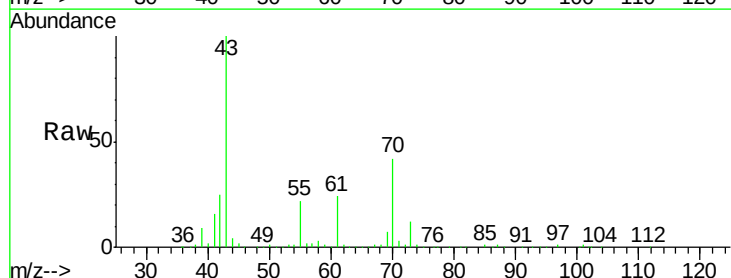
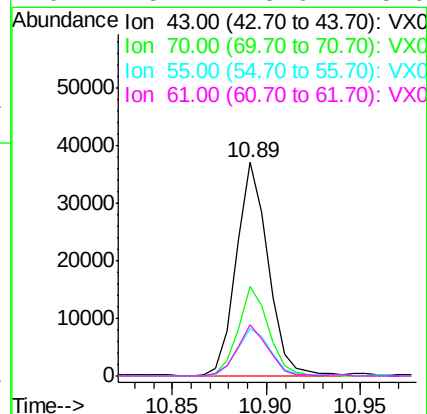
Ion Ratio Lower Upper

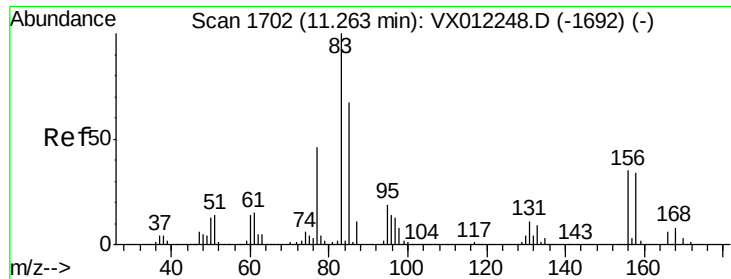
43 100

70 41.0 32.9 49.3

55 24.2 19.1 28.7

61 23.7 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.136 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012293.D

Acq: 11 Sep 2019 10:56

Instrument :

MSVOA_X

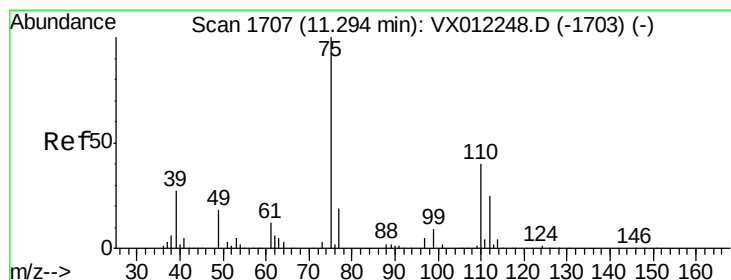
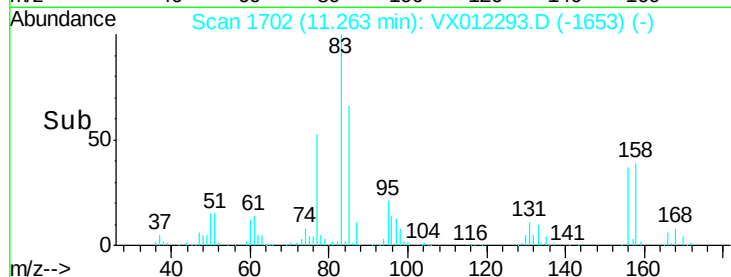
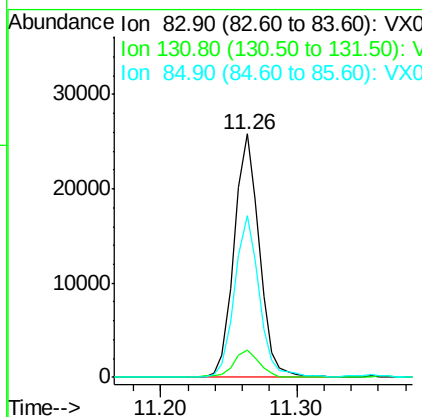
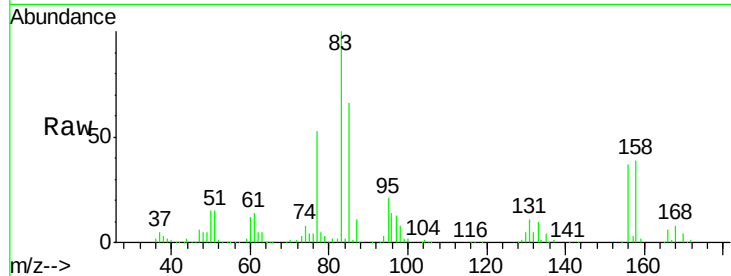
ClientSampleId :

VX0911SBS01

Tot Ion:	83	Resp:	33281
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.5	16.4
85	65.4	32.8	98.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.561 ug/l m

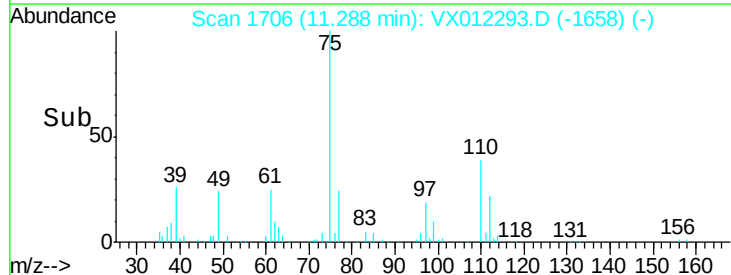
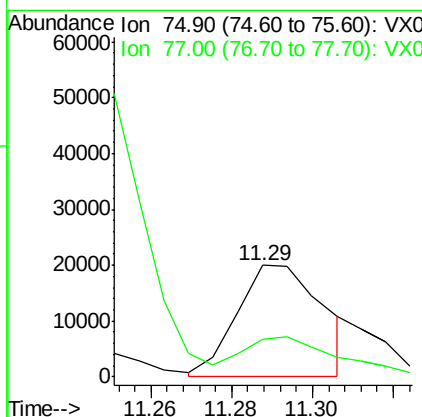
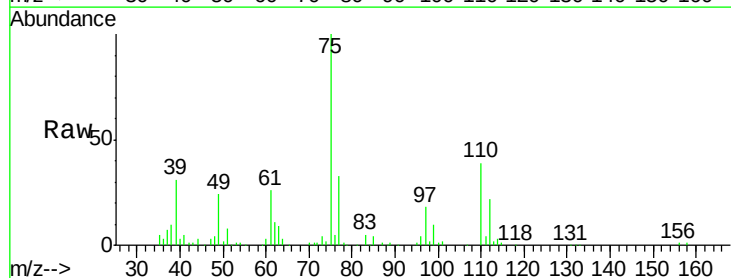
RT: 11.29 min Scan# 1706

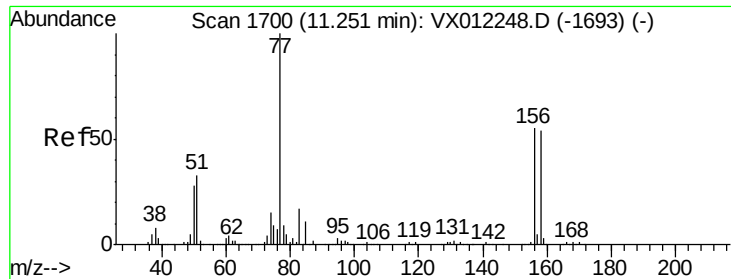
Delta R.T. -0.01 min

Lab File: VX012293.D

Acq: 11 Sep 2019 10:56

Tgt Ion:	75	Resp:	29417
Ion Ratio	Lower	Upper	
75	100		
77	40.1	19.7	59.0





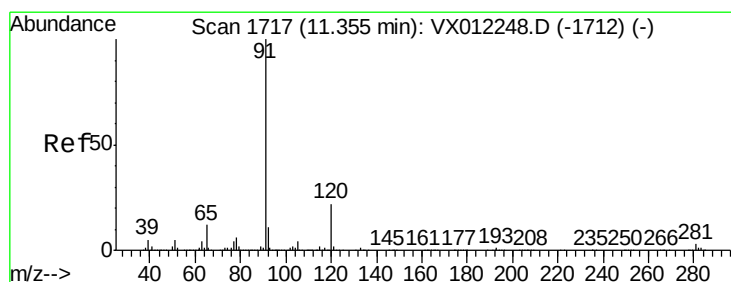
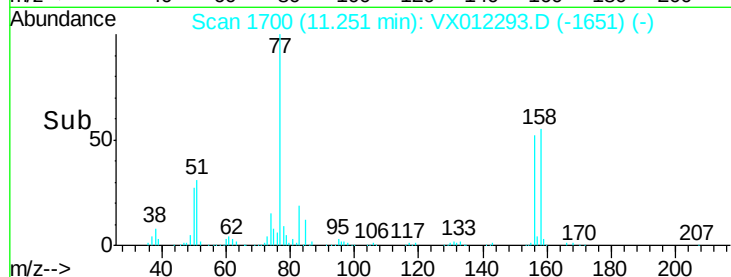
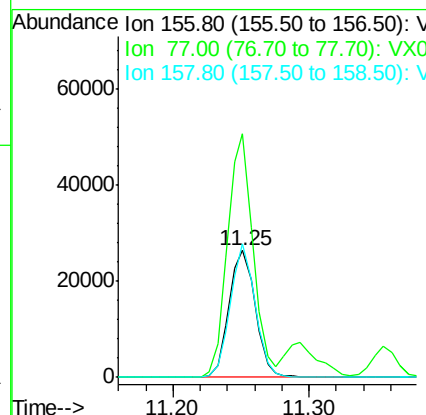
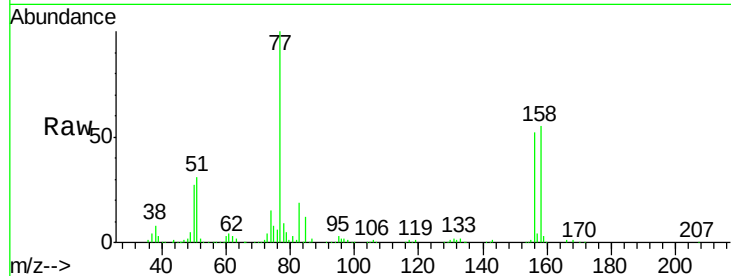
#77
Bromobenzene
Concen: 21.178 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. -0.00 min
Lab File: VX012293.D
Acq: 11 Sep 2019 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		35750		
77	184.4	92.2	276.6		
158	98.9	48.8	146.3		

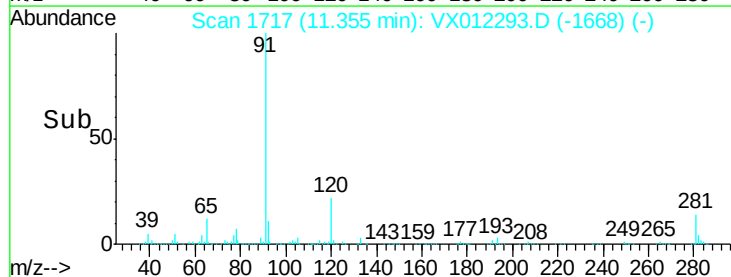
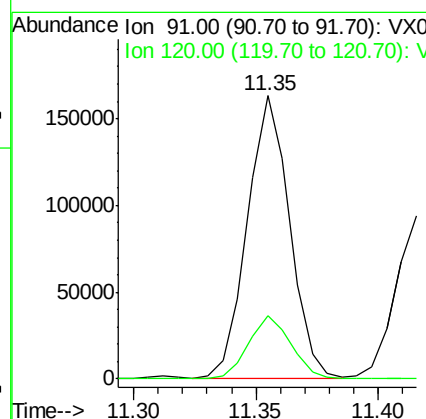
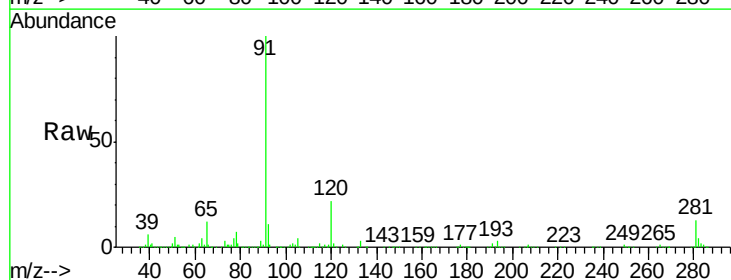
Manual Integrations
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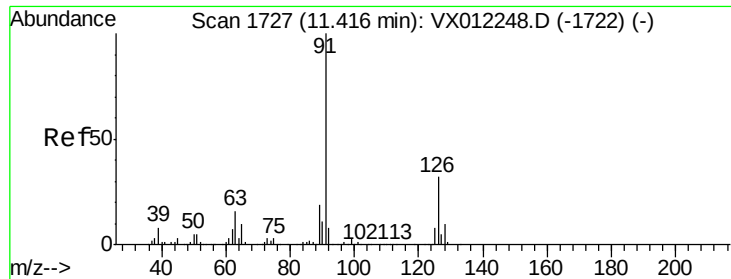
MMDadoda
9/12/2019 9:26:25 AM



#78
n-propylbenzene
Concen: 22.043 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. -0.00 min
Lab File: VX012293.D
Acq: 11 Sep 2019 10:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		195163		
120	22.4	11.2	33.6		





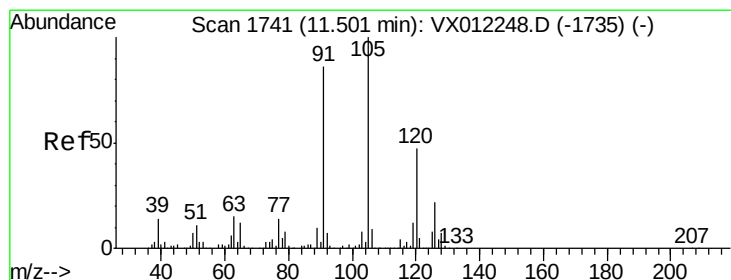
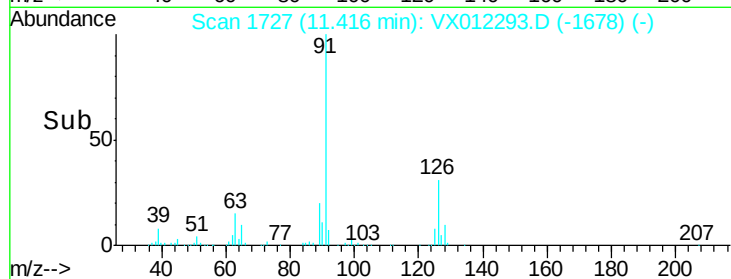
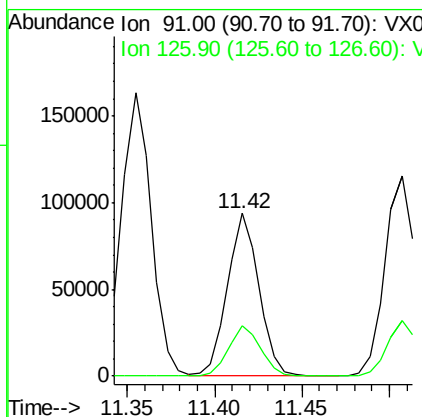
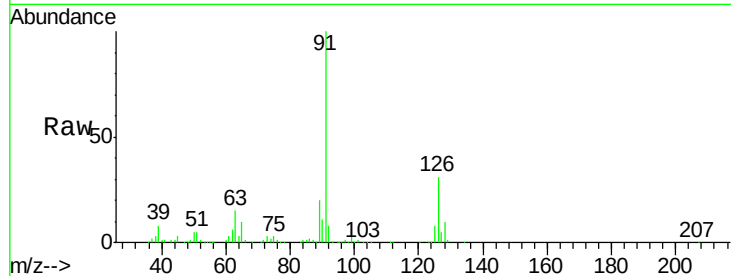
#79
 2-Chlorotoluene
 Concen: 21.337 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: VX012293.D
 Acq: 11 Sep 2019 10:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBS01

Tot Ion: 91 Resp: 117046
 Ion Ratio Lower Upper
 91 100
 126 31.8 15.9 47.7

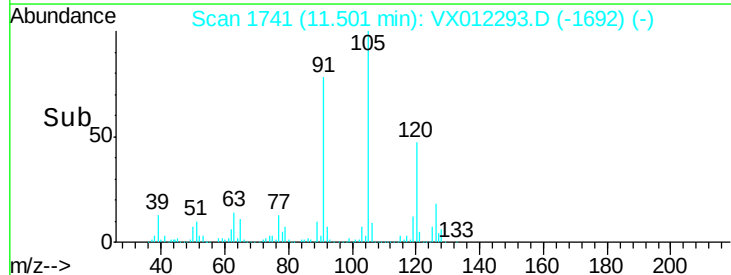
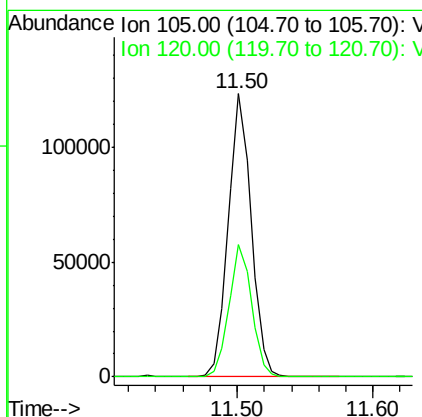
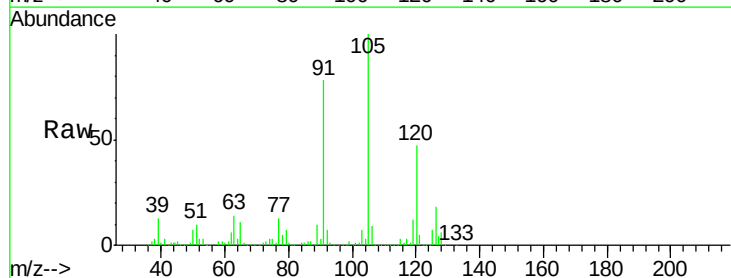
Manual Integrations
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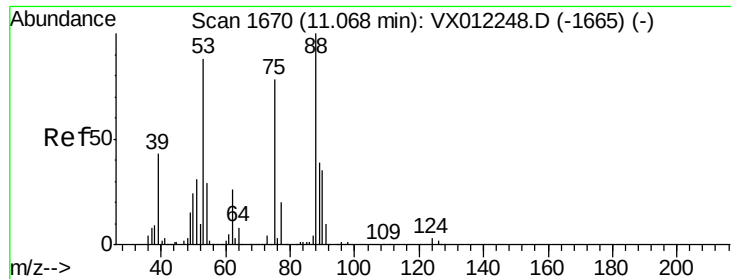
MMDadoda
 9/12/2019 9:26:25 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.921 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX012293.D
 Acq: 11 Sep 2019 10:56

Tgt Ion: 105 Resp: 144536
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.7 71.1





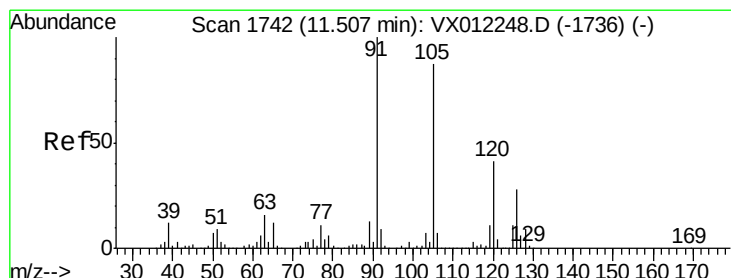
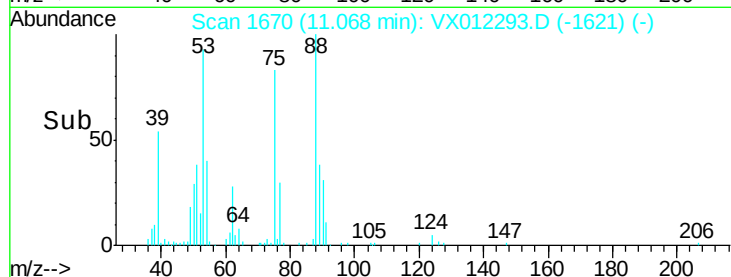
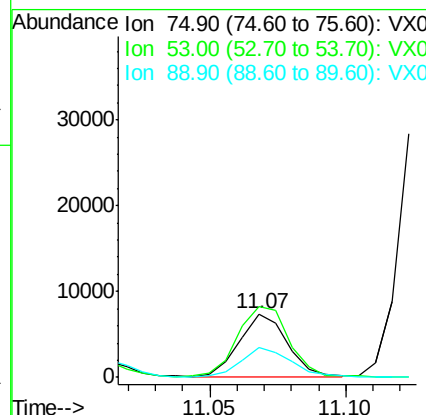
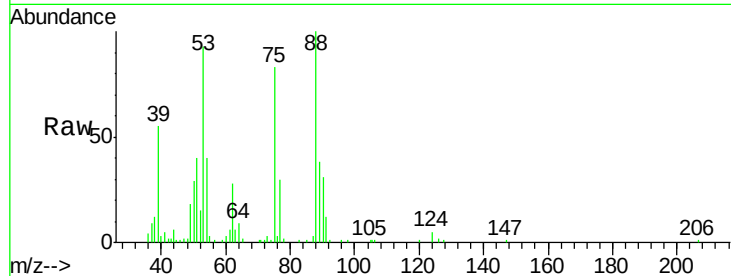
#81
trans-1,4-Dichloro-2-butene
Concen: 18.435 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX012293.D
Acq: 11 Sep 2019 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	121.8	88.1	132.1
89	51.6	43.5	65.3

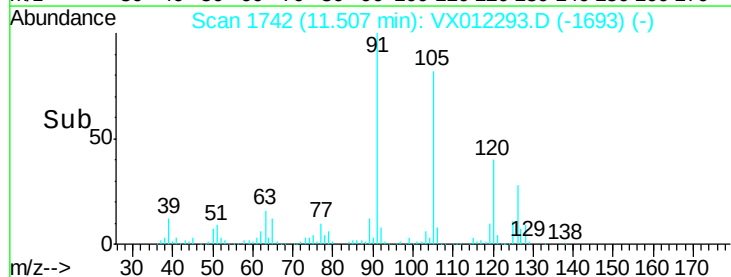
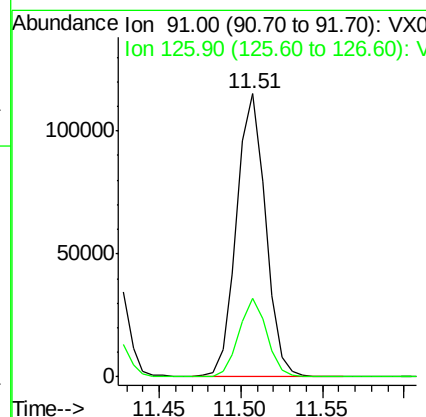
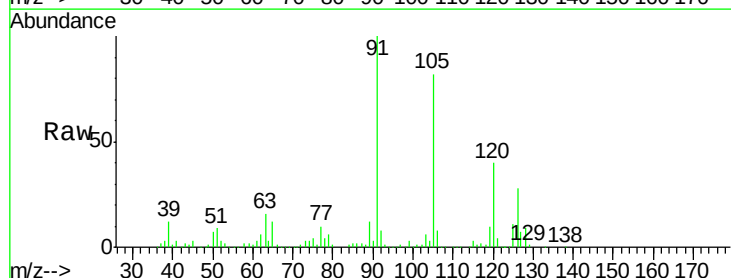
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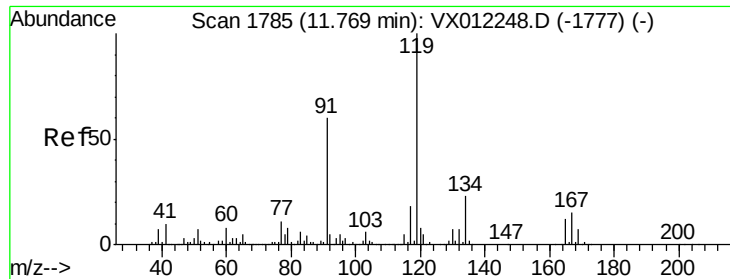
MMDadoda
9/12/2019 9:26:25 AM



#82
4-Chlorotoluene
Concen: 21.554 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX012293.D
Acq: 11 Sep 2019 10:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.1	14.0	42.0





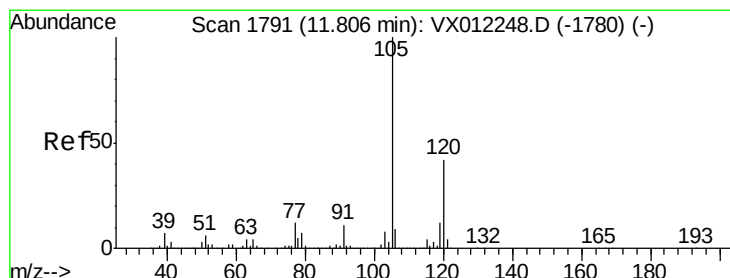
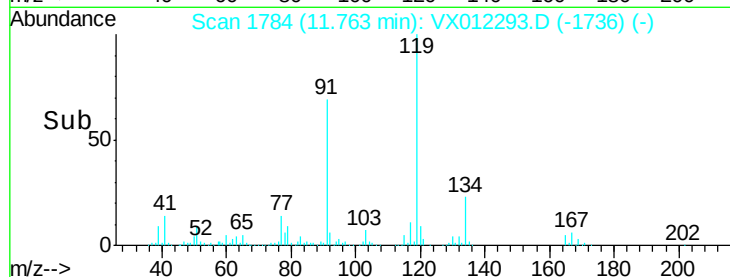
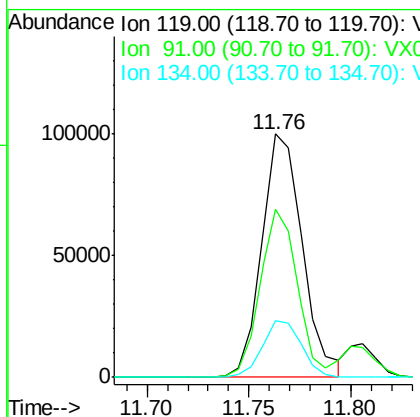
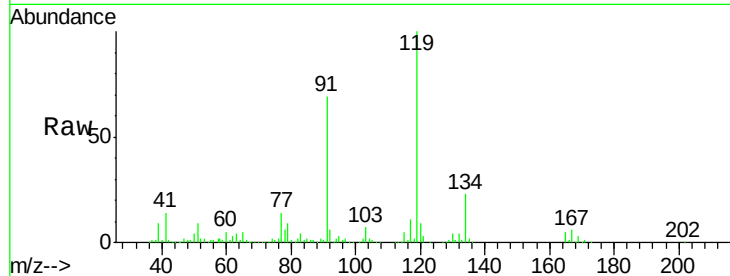
#83
 tert-Butylbenzene
 Concen: 21.714 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: VX012293.D
 Acq: 11 Sep 2019 10:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	139022		
91	63.1	30.9	92.8	
134	22.4	11.2	33.6	

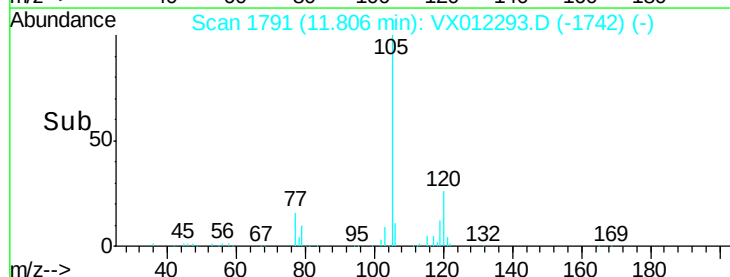
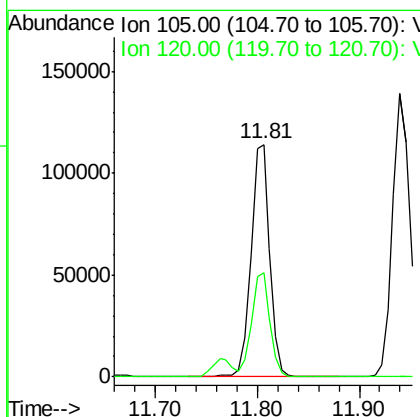
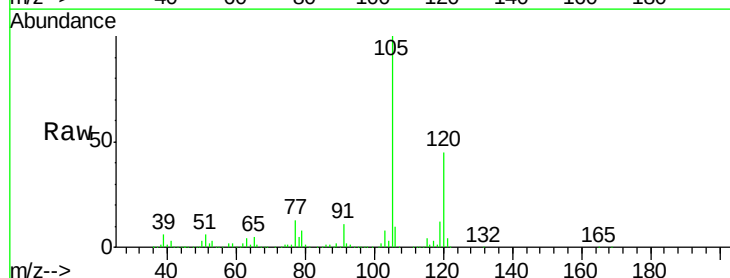
Manual Integrations
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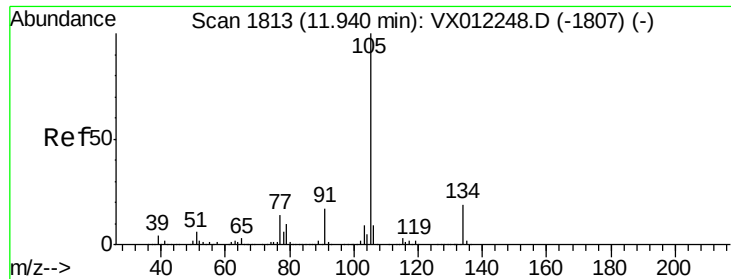
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.475 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX012293.D
 Acq: 11 Sep 2019 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	146373		
120	43.8	21.3	63.9	





#85

sec-Butylbenzene

Concen: 21.967 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012293.D

Acq: 11 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS01

Tot Ion:105 Resp: 167806

Ion Ratio Lower Upper

105 100

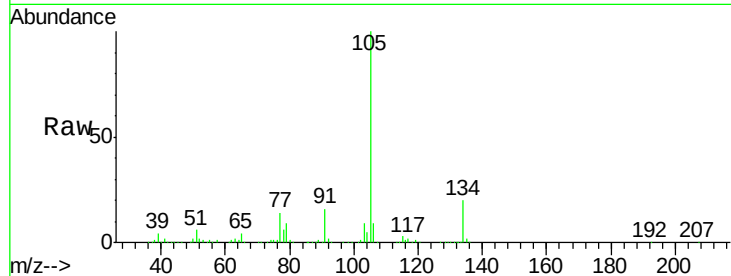
134 20.3 9.9 29.7

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

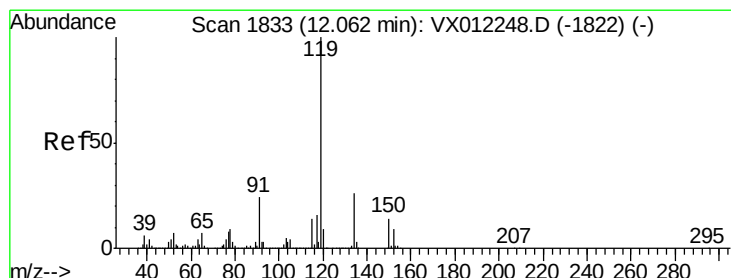
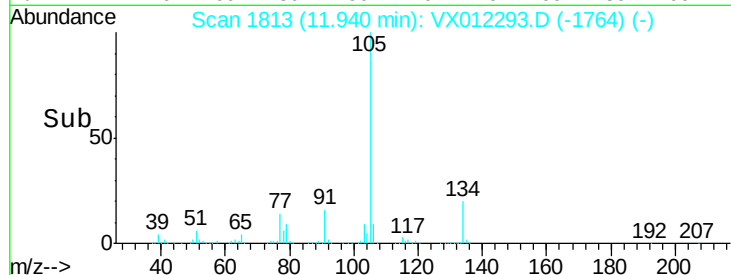
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 22.033 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012293.D

Acq: 11 Sep 2019 10:56

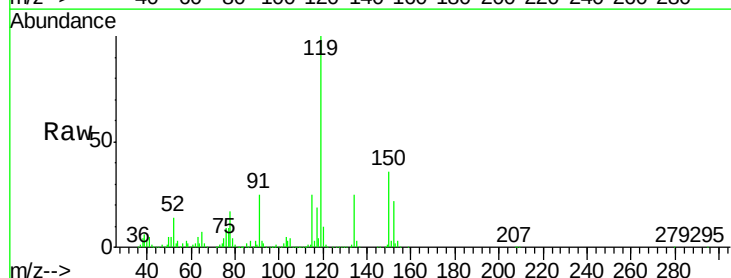
Tgt Ion:119 Resp: 155521

Ion Ratio Lower Upper

119 100

134 25.2 12.9 38.7

91 26.3 13.1 39.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

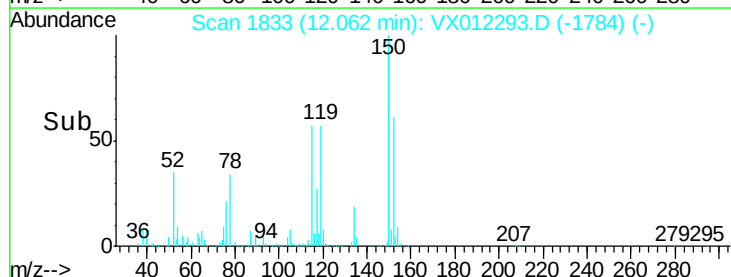
150000

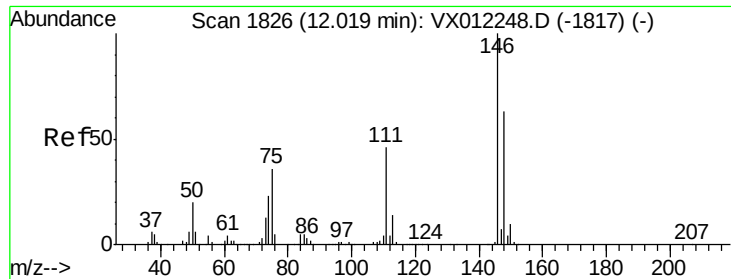
100000

50000

0

Time-->





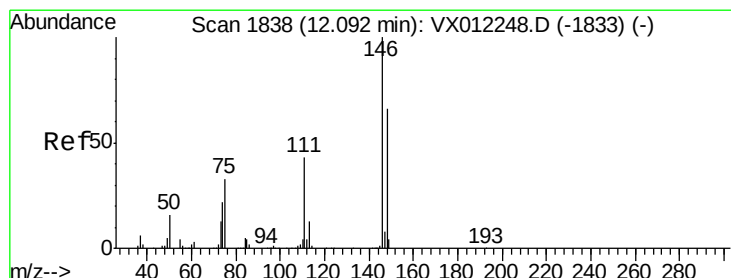
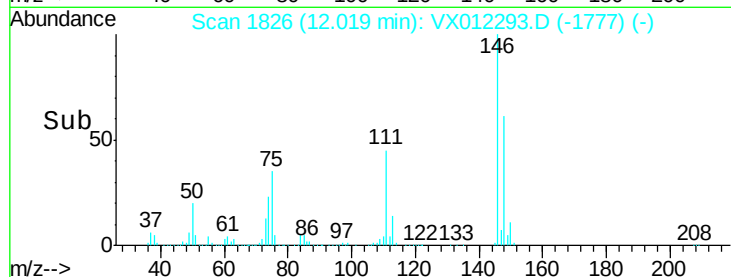
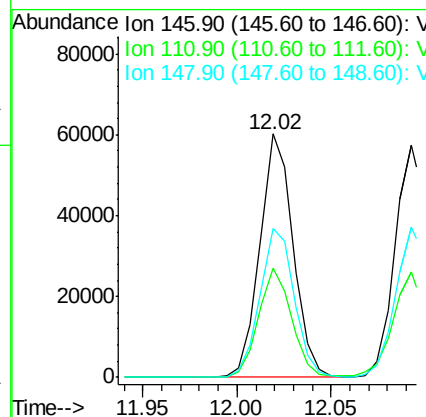
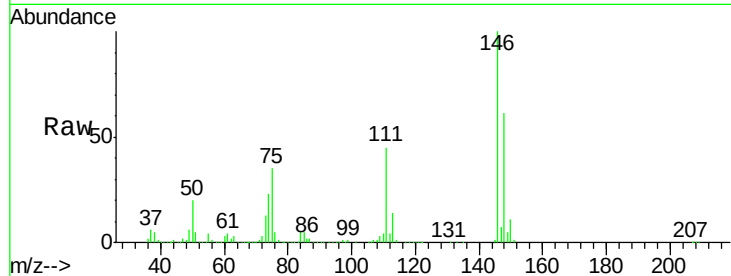
#87
 1,3-Dichlorobenzene
 Concen: 21.388 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012293.D
 Acq: 11 Sep 2019 10:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.3	66.8
148	63.3	31.5	94.5

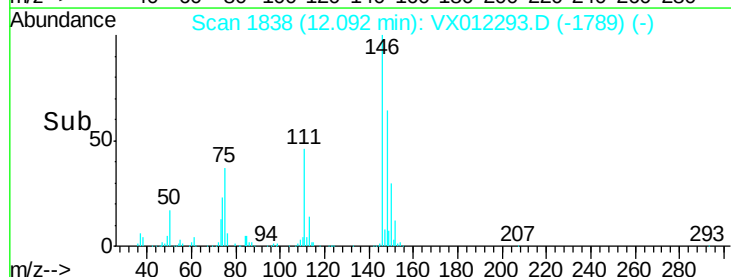
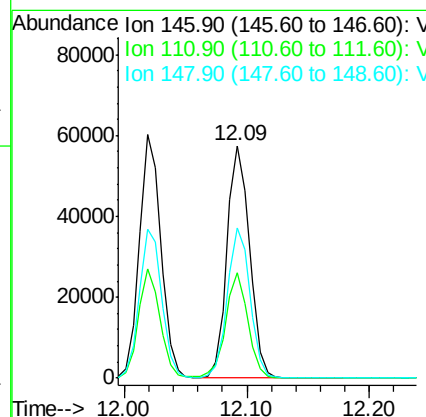
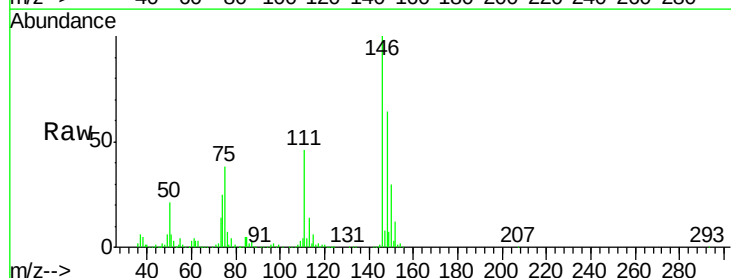
Manual Integrations
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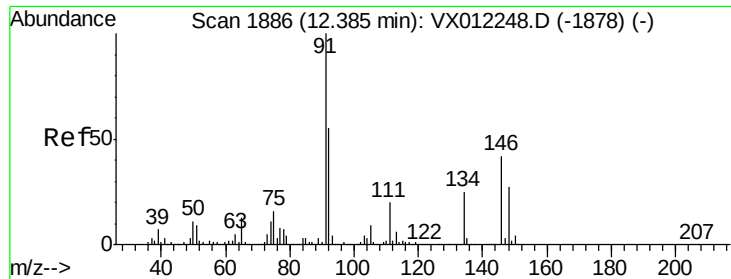
MMDadoda
 9/12/2019 9:26:25 AM



#88
 1,4-Dichlorobenzene
 Concen: 21.197 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012293.D
 Acq: 11 Sep 2019 10:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.0	21.6	64.8
148	64.9	32.4	97.2





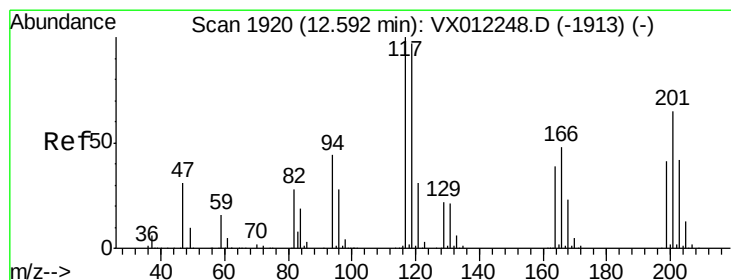
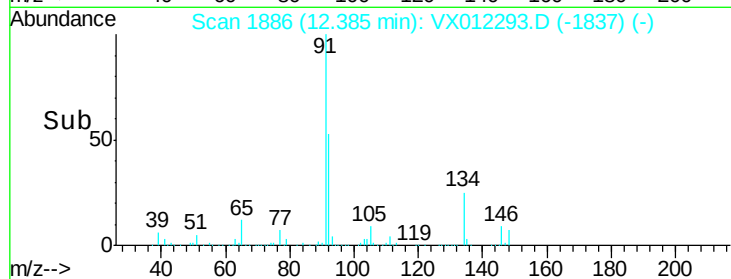
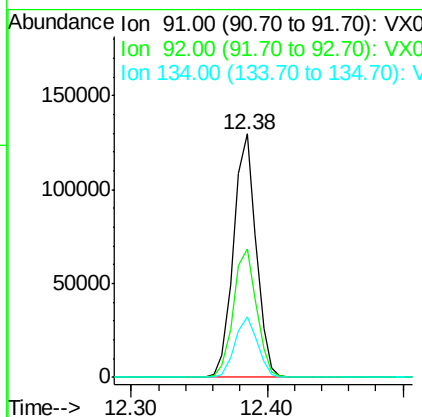
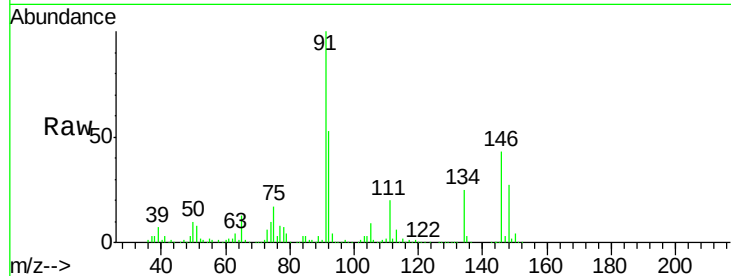
#89
n-Butylbenzene
Concen: 21.686 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012293.D
Acq: 11 Sep 2019 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	150030		
92	54.0		27.6	82.7
134	24.8		12.5	37.5

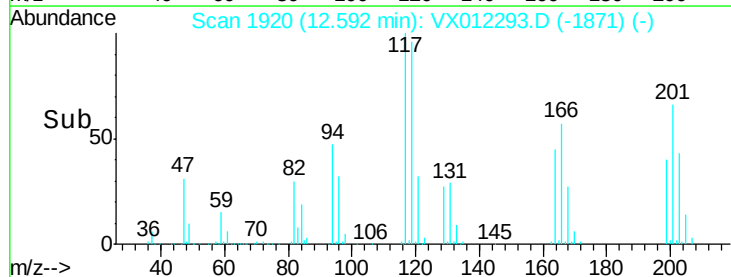
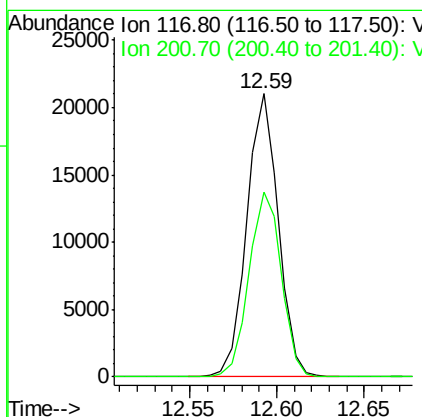
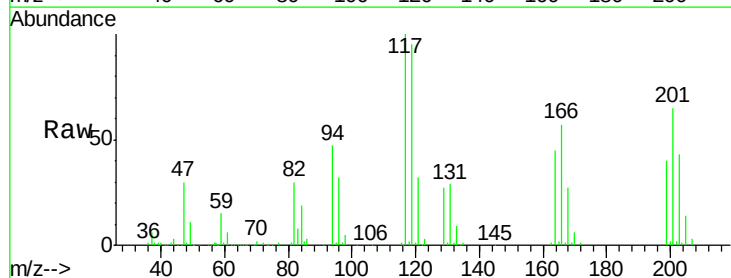
Manual Integrations
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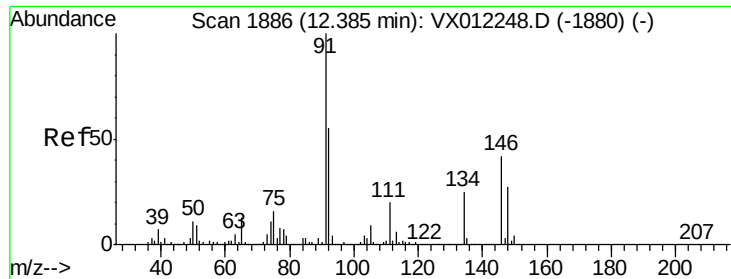
MMDadoda
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#90
Hexachloroethane
Concen: 20.227 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012293.D
Acq: 11 Sep 2019 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	26297		
201	67.1		32.2	96.6





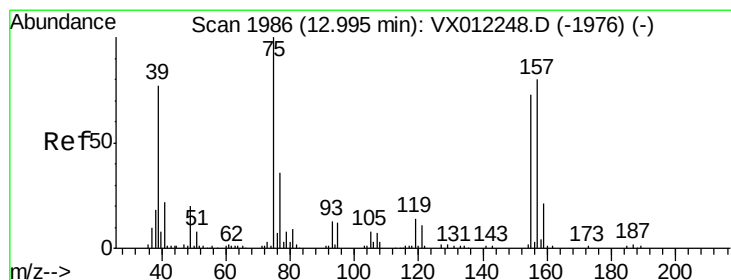
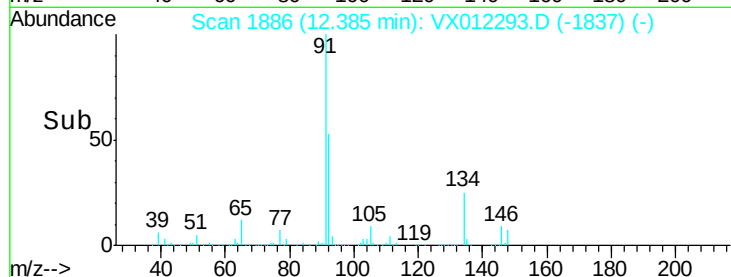
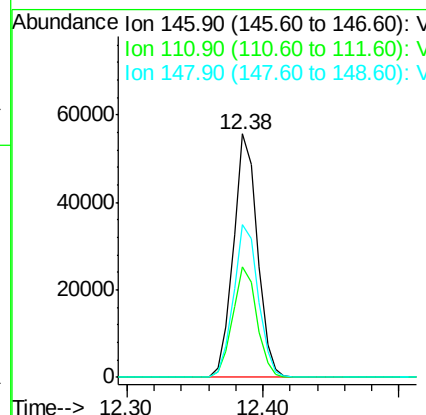
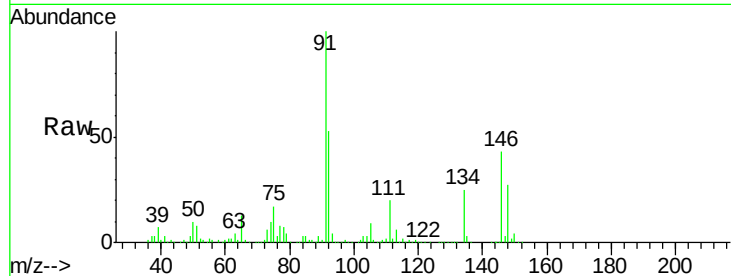
#91
 1,2-Dichlorobenzene
 Concen: 21.410 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012293.D
 Acq: 11 Sep 2019 10:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.3	23.2	69.6
148	64.4	32.4	97.0

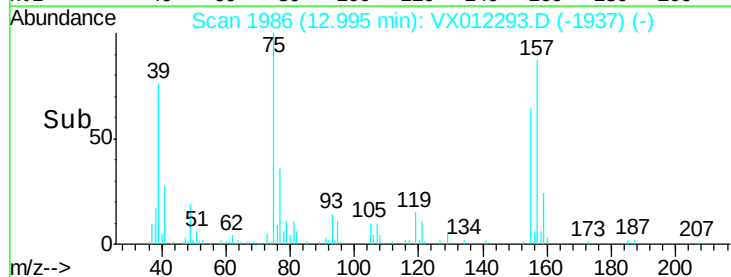
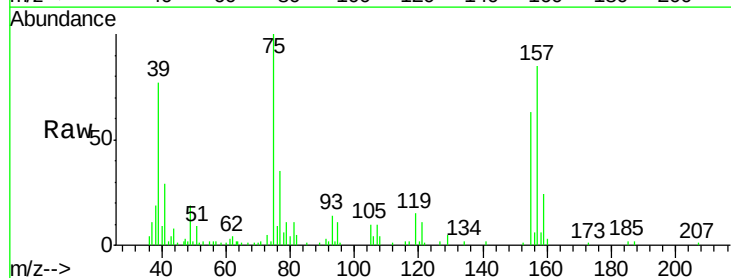
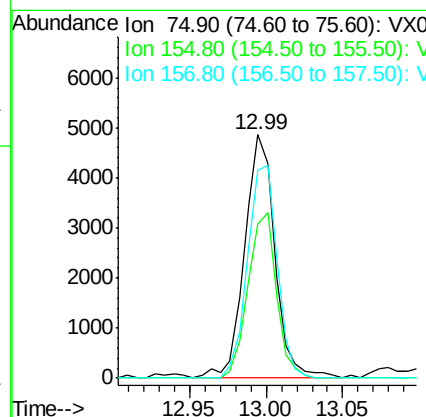
Manual Integrations
 APPROVED

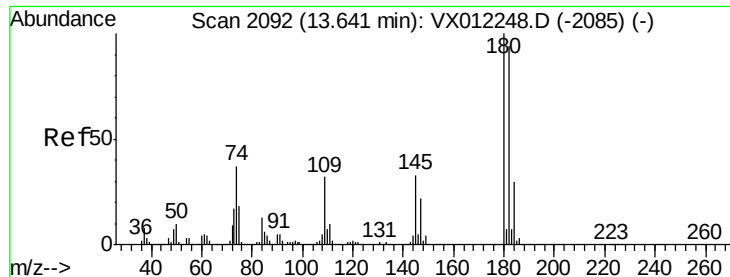
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 9/12/2019 9:26:25 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.718 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012293.D
 Acq: 11 Sep 2019 10:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	63.7	35.3	105.7
157	85.8	43.2	129.6





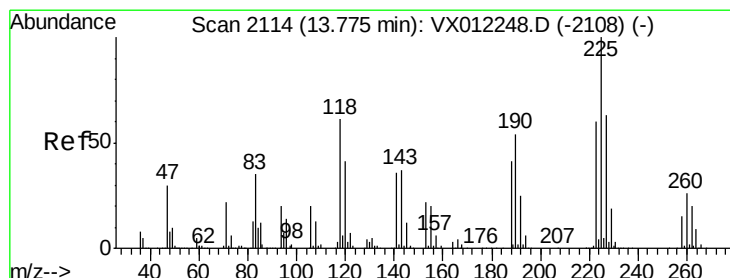
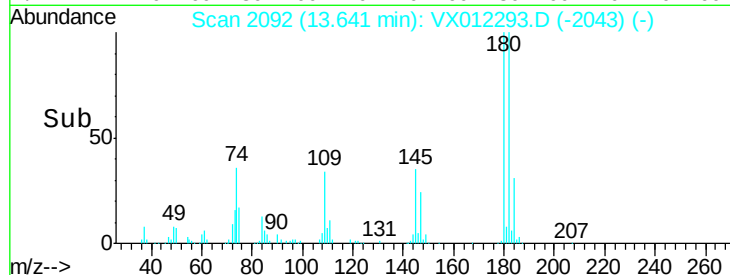
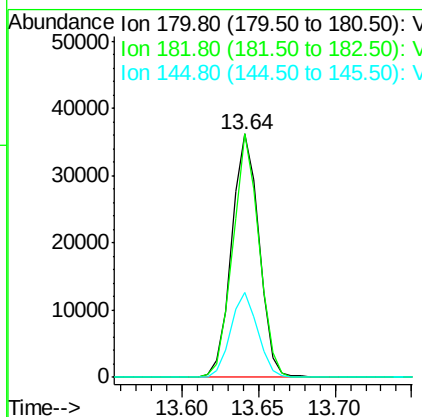
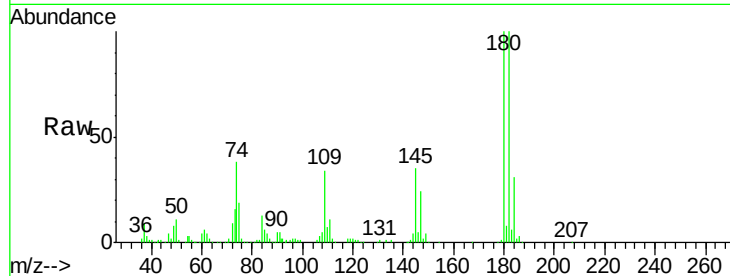
#93
 1,2,4-Trichlorobenzene
 Concen: 20.437 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012293.D
 Acq: 11 Sep 2019 10:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	44894		
182	95.7	46.9	140.8	
145	34.6	17.1	51.2	

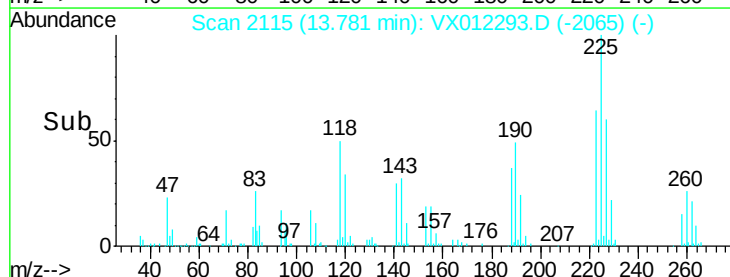
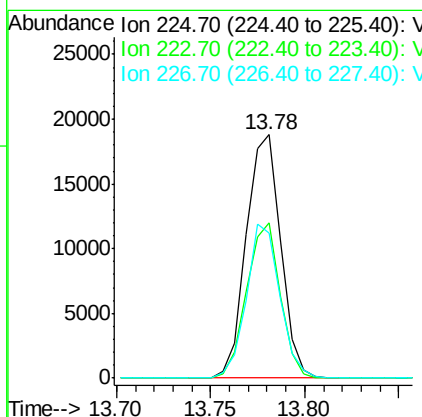
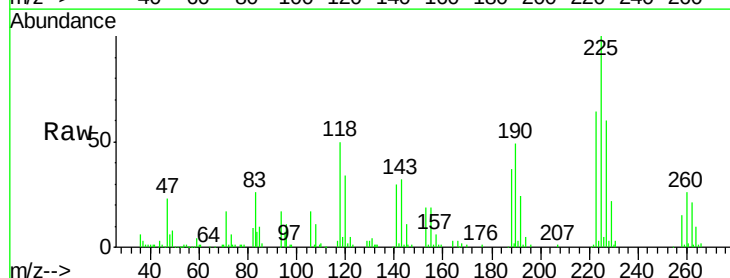
Manual Integrations
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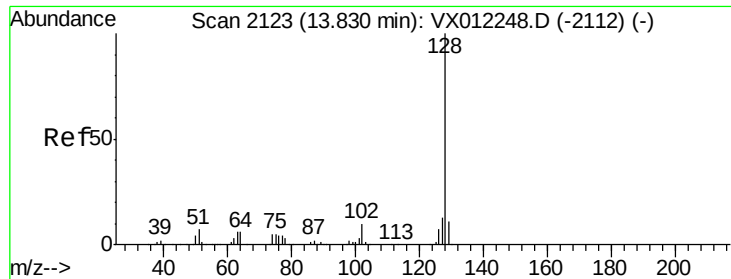
MMDadoda
 9/12/2019 9:26:25 AM



#94
 Hexachlorobutadiene
 Concen: 21.806 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.01 min
 Lab File: VX012293.D
 Acq: 11 Sep 2019 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	23830		
223	62.0	32.1	96.5	
227	61.2	32.5	97.5	





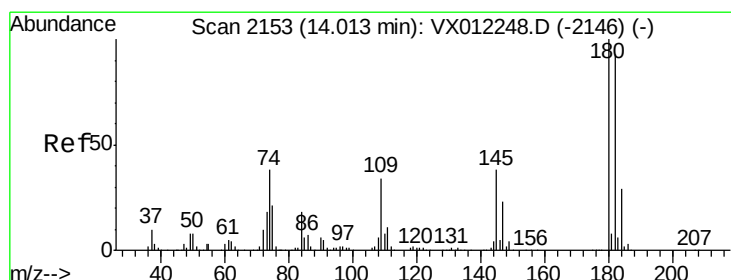
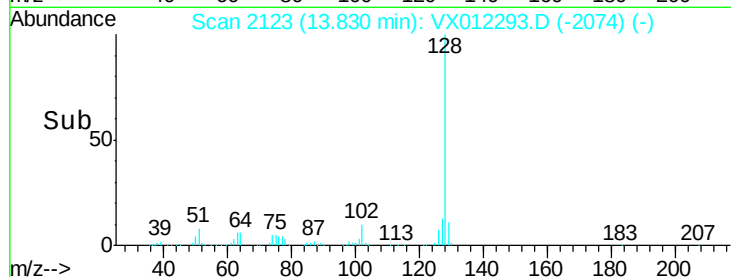
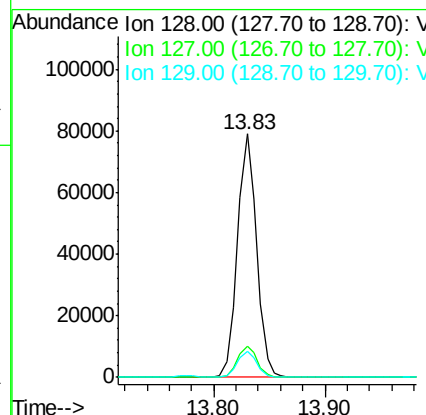
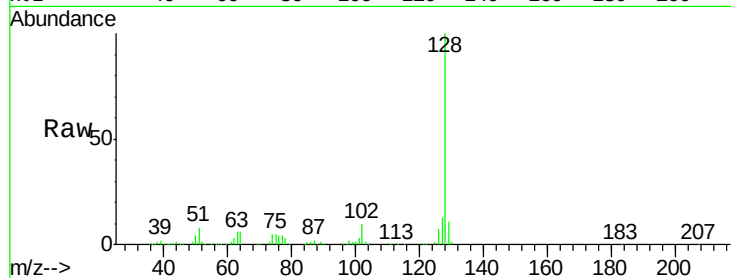
#95
Naphthalene
Concen: 19.879 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012293.D
Acq: 11 Sep 2019 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	93712		
127	13.6	10.2	15.2	
129	10.9	8.9	13.3	

Manual Integrations
APPROVED

MMDadoda
9/12/2019 9:26:25 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.643 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX012293.D
Acq: 11 Sep 2019 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	40122		
182	95.2	47.0	141.0	
145	36.8	18.6	55.8	

