

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080919\
 Data File : VX011401.D
 Acq On : 09 Aug 2019 11:48
 Operator : JC/SP
 Sample : VX0809WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0809WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/12/2019 12:51:03 PM

Quant Time: Aug 11 00:16:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	174056	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	251545	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	233620	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	122403	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	86573	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
35) Dibromofluoromethane	5.49	113	76699	46.70	ug/l	0.00
Spiked Amount			Recovery	=	93.40%	
50) Toluene-d8	8.71	98	281601	45.43	ug/l	0.00
Spiked Amount			Recovery	=	90.86%	
62) 4-Bromofluorobenzene	11.13	95	103566	46.79	ug/l	0.00
Spiked Amount			Recovery	=	93.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	21008	15.627	ug/l	98
3) Chloromethane	1.32	50	23352	15.469	ug/l	100
4) Vinyl Chloride	1.40	62	25553	15.388	ug/l	98
5) Bromomethane	1.63	94	18471	15.597	ug/l	100
6) Chloroethane	1.71	64	16538	14.212	ug/l	96
7) Trichlorofluoromethane	1.92	101	46854	15.869	ug/l	96
8) Diethyl Ether	2.18	74	16577	15.723	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	26315	16.472	ug/l	98
10) Methyl Iodide	2.50	142	28054	13.929	ug/l	98
11) Tert butyl alcohol	3.03	59	29203	83.565	ug/l	98
12) 1,1-Dichloroethene	2.37	96	25001	15.787	ug/l	89
13) Acrolein	2.29	56	13956	63.934	ug/l	96
14) Allyl chloride	2.72	41	37133	17.589	ug/l	96
15) Acrylonitrile	3.13	53	72633	87.080	ug/l	99
16) Acetone	2.43	43	65285	78.250	ug/l	97
17) Carbon Disulfide	2.56	76	55253	14.868	ug/l	99
18) Methyl Acetate	2.76	43	33655	17.651	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	80246	17.195	ug/l	100
20) Methylene Chloride	2.85	84	28548	15.624	ug/l	100
21) trans-1,2-Dichloroethene	3.16	96	26362	15.737	ug/l	94
22) Diisopropyl ether	3.84	45	79153	17.059	ug/l	92
23) Vinyl Acetate	3.81	43	336597	87.462	ug/l	99
24) 1,1-Dichloroethane	3.69	63	46105	16.851	ug/l	99
25) 2-Butanone	4.66	43	99002	83.418	ug/l	96
26) 2,2-Dichloropropane	4.57	77	35733	16.801	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	31226	16.183	ug/l	98
28) Bromochloromethane	5.01	49	23801	19.082	ug/l	91
29) Tetrahydrofuran	5.12	42	61326	84.274	ug/l	98
30) Chloroform	5.20	83	51181	17.211	ug/l	95
31) Cyclohexane	5.57	56	35044	15.525	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	43234	16.972	ug/l	97
36) 1,1-Dichloropropene	5.79	75	35980	16.383	ug/l	98
37) Ethyl Acetate	4.82	43	36427	16.535	ug/l	100
38) Carbon Tetrachloride	5.77	117	37718	17.070	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	40190	15.438	ug/l	98
40) Benzene	6.13	78	108553	16.564	ug/l	99
41) Methacrylonitrile	5.04	41	19814	16.469	ug/l	95
42) 1,2-Dichloroethane	6.18	62	39788	17.954	ug/l	97
43) Isopropyl Acetate	6.44	43	58799	16.695	ug/l	99
44) Trichloroethene	7.21	130	31247	15.752	ug/l	93
45) 1,2-Dichloropropane	7.51	63	28975	17.071	ug/l	94
46) Dibromomethane	7.65	93	20613	16.636	ug/l	96
47) Bromodichloromethane	7.89	83	36104	17.210	ug/l	100
48) Methyl methacrylate	7.76	41	28638	17.278	ug/l	98
49) 1,4-Dioxane	7.74	88	15363	319.709	ug/l	88
51) 4-Methyl-2-Pentanone	8.63	43	199028	87.562	ug/l	100
52) Toluene	8.78	92	72800	16.801	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	36361	16.877	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	41647	16.995	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	30584	17.167	ug/l	98
56) Ethyl methacrylate	9.17	69	42717	16.825	ug/l	98
57) 1,3-Dichloropropane	9.37	76	47821	16.972	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.30	63	117994	94.521	ug/l	99
59) 2-Hexanone	9.49	43	153224	87.030	ug/l	98
60) Dibromochloromethane	9.58	129	30020	16.458	ug/l	99
61) 1,2-Dibromoethane	9.67	107	32002	16.626	ug/l	98
64) Tetrachloroethene	9.33	164	33063	16.665	ug/l	95
65) Chlorobenzene	10.13	112	81397	16.250	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	29583	17.251	ug/l	99
67) Ethyl Benzene	10.25	91	138311	16.487	ug/l	99
68) m/p-Xylenes	10.35	106	106817	32.919	ug/l	97
69) o-Xylene	10.69	106	51832	16.257	ug/l	98
70) Styrene	10.71	104	87489	16.585	ug/l	99
71) Bromoform	10.85	173	21780	16.235	ug/l #	100
73) Isopropylbenzene	11.02	105	141521	16.905	ug/l	99
74) N-amyl acetate	10.90	43	52065	17.212	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	47168	16.907	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	39717m	17.817	ug/l	
77) Bromobenzene	11.25	156	37764	16.268	ug/l	94
78) n-propylbenzene	11.35	91	156356	16.795	ug/l	99
79) 2-Chlorotoluene	11.42	91	93521	16.854	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	119319	17.027	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	11360	16.904	ug/l	89
82) 4-Chlorotoluene	11.51	91	108702	16.809	ug/l	98
83) tert-Butylbenzene	11.77	119	116393	16.935	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	120915	17.330	ug/l	100
85) sec-Butylbenzene	11.94	105	138060	16.719	ug/l	100
86) p-Isopropyltoluene	12.06	119	126897	16.704	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	68524	16.706	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	70059	16.564	ug/l	98
89) n-Butylbenzene	12.38	91	106002	16.196	ug/l	100
90) Hexachloroethane	12.59	117	18823	16.759	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	69416	16.843	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	9148	16.925	ug/l	94

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ClientSampleId :
VX0809WBS01

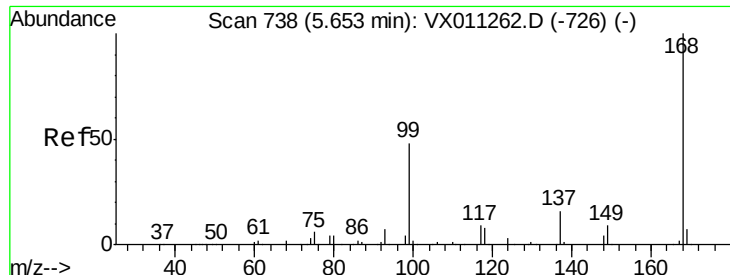
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
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QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	45161	16.524	ug/l	99
94) Hexachlorobutadiene	13.78	225	23411	16.883	ug/l	97
95) Naphthalene	13.83	128	133425	16.693	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	44369	15.968	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011401.D

Acq: 09 Aug 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0809WBS01

Tot Ion:168 Resp: 174056

Ion Ratio Lower Upper

168 100

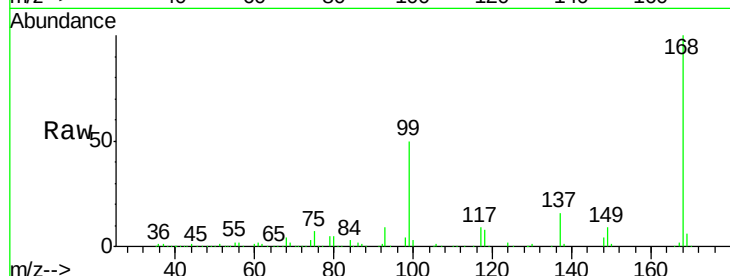
99 50.3 38.5 57.7

Manual Integrations

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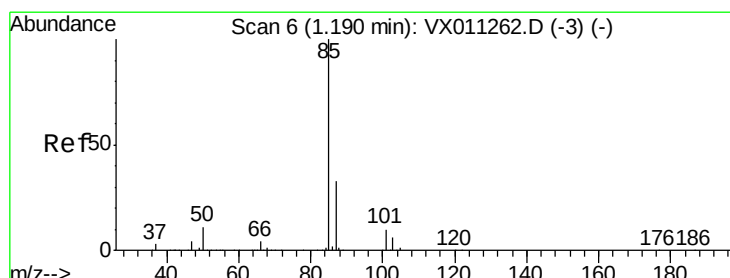
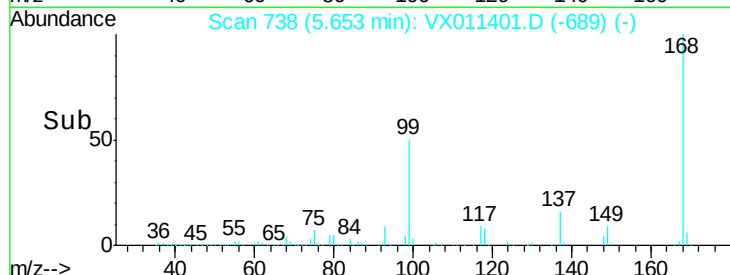
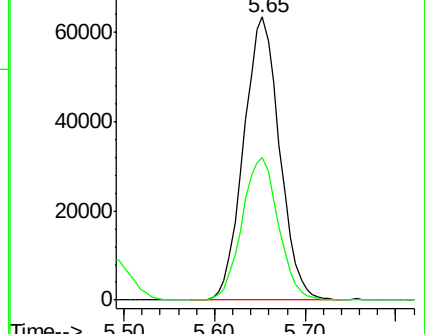
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 15.627 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011401.D

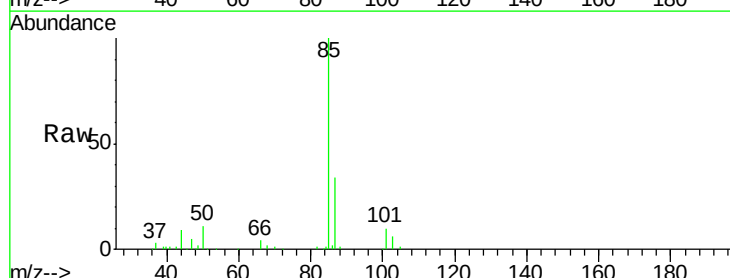
Acq: 09 Aug 2019 11:48

Tgt Ion: 85 Resp: 21008

Ion Ratio Lower Upper

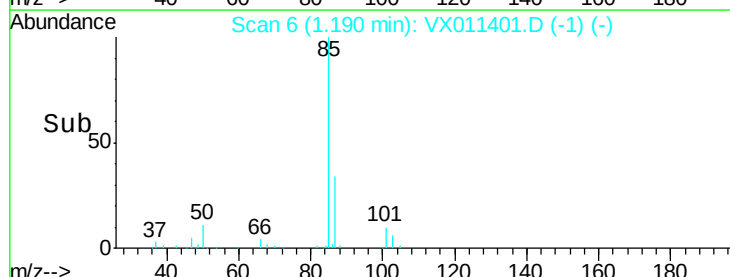
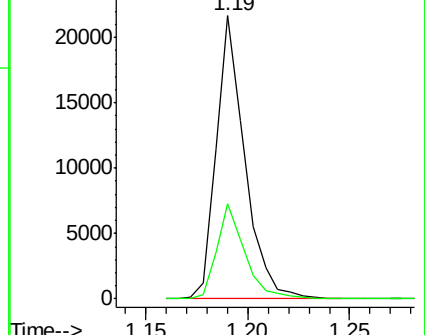
85 100

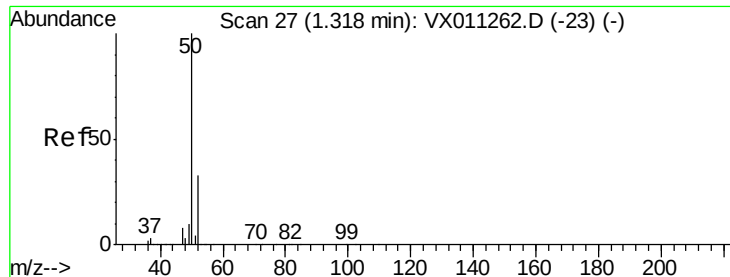
87 33.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 15.469 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011401.D

Acq: 09 Aug 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0809WBS01

Tot Ion: 50 Resp: 23352

Ion Ratio Lower Upper

50 100

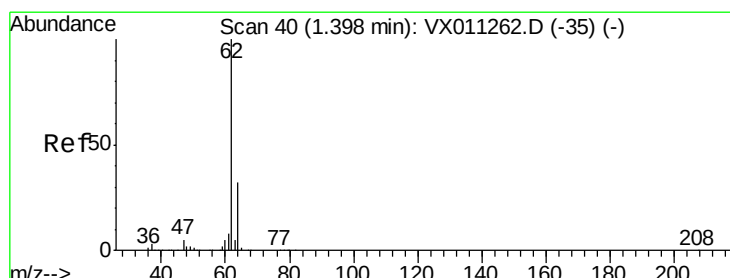
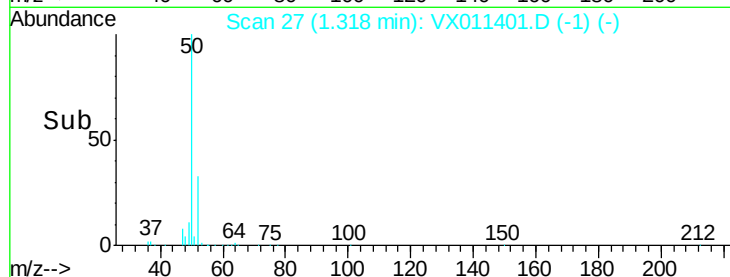
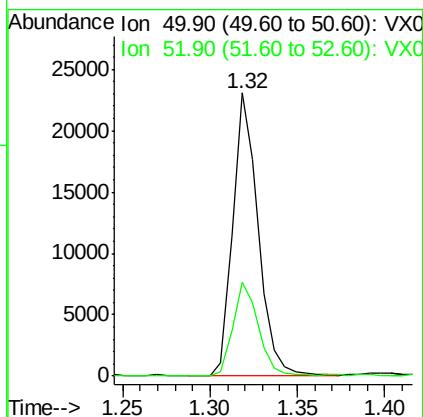
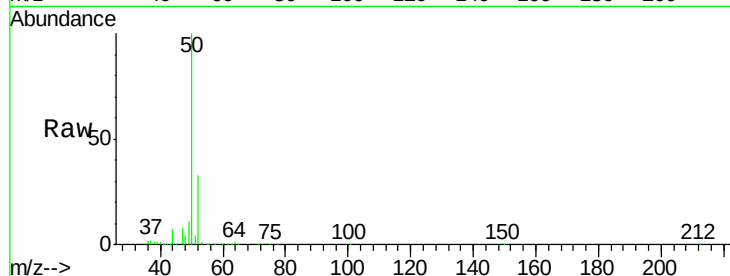
52 33.3 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 15.388 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011401.D

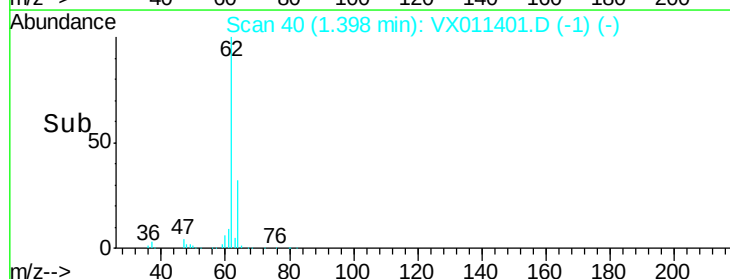
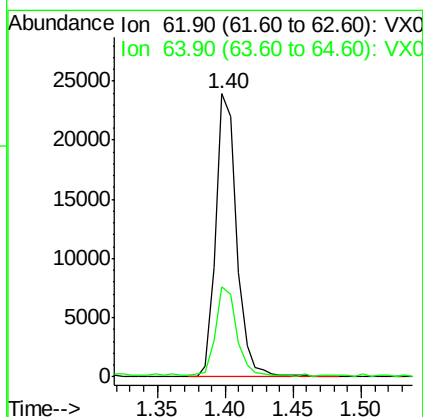
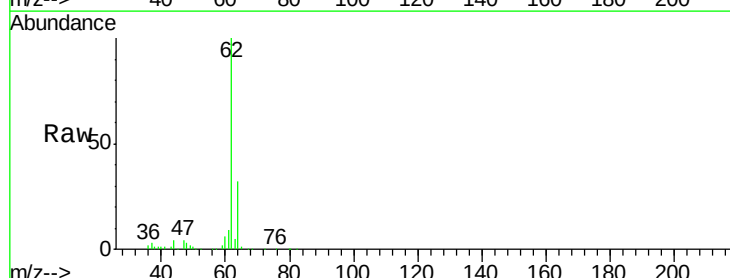
Acq: 09 Aug 2019 11:48

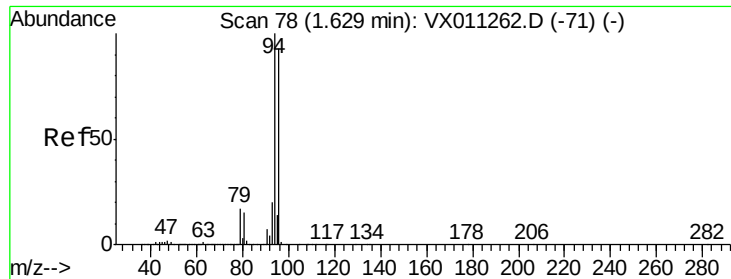
Tgt Ion: 62 Resp: 25553

Ion Ratio Lower Upper

62 100

64 31.4 26.0 39.0





#5

Bromomethane

Concen: 15.597 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011401.D

Acq: 09 Aug 2019 11:48

Instrument :

MSVOA_X

ClientSampled :

VX0809WBS01

Tot Ion: 94 Resp: 18471

Ion Ratio Lower Upper

94 100

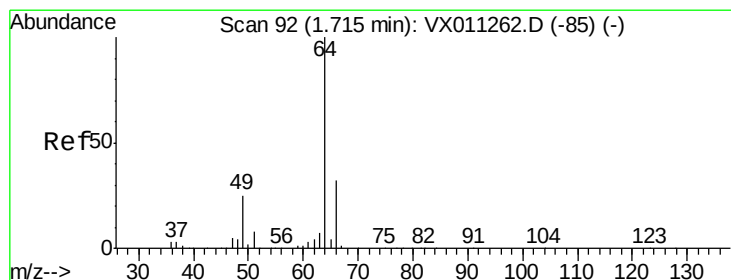
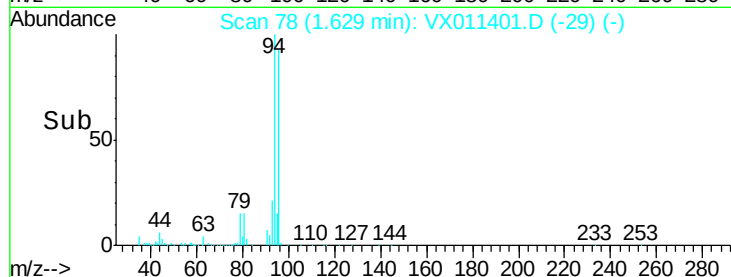
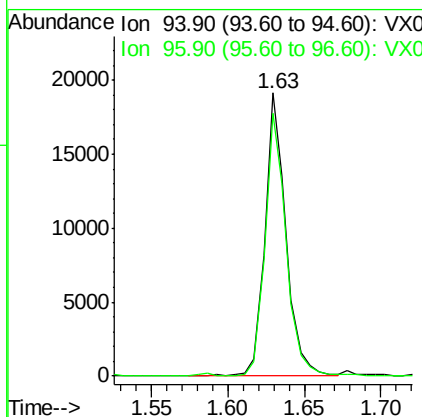
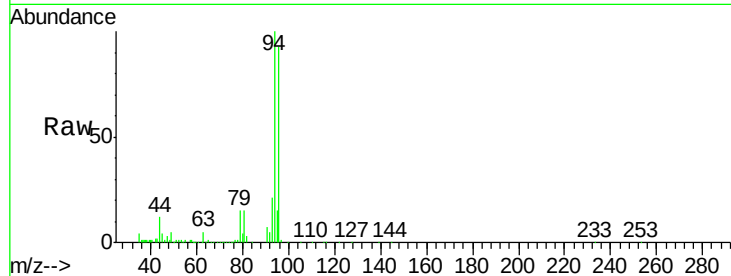
96 93.0 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 14.212 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011401.D

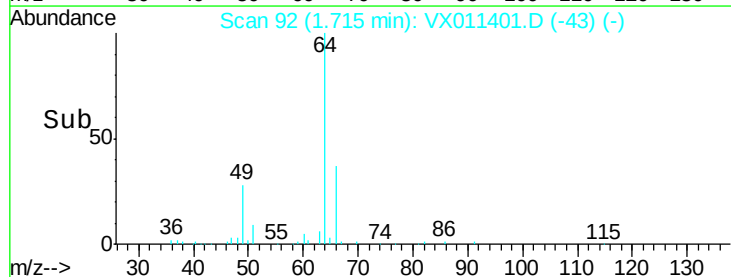
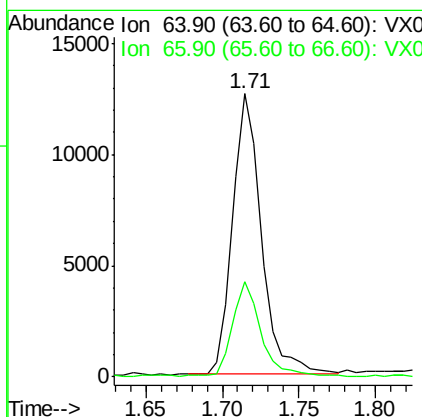
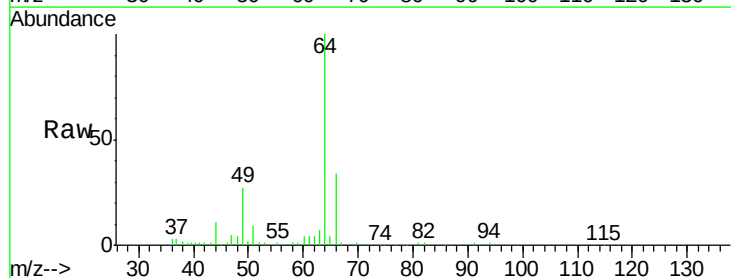
Acq: 09 Aug 2019 11:48

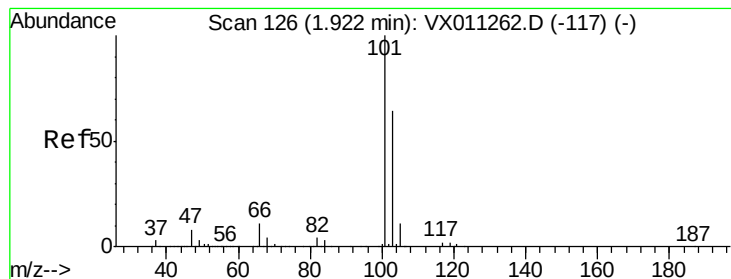
Tgt Ion: 64 Resp: 16538

Ion Ratio Lower Upper

64 100

66 33.5 25.1 37.7





#7

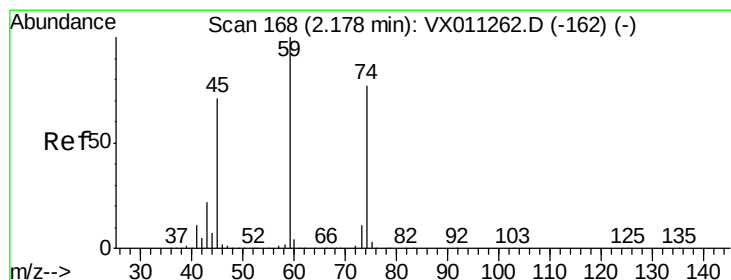
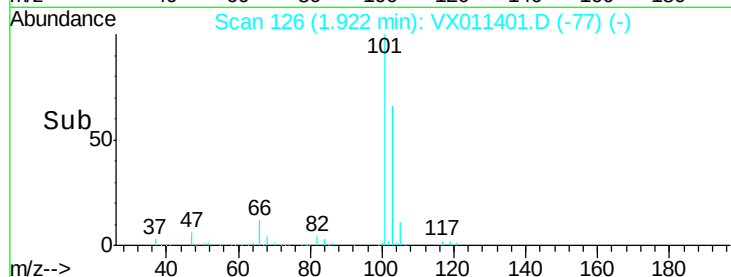
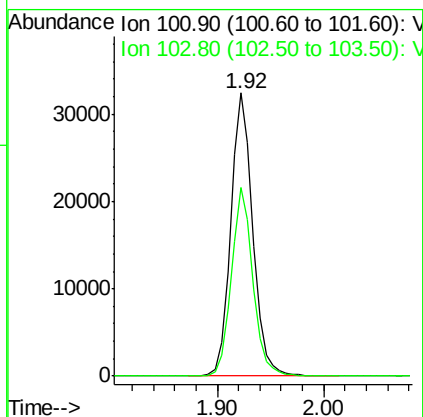
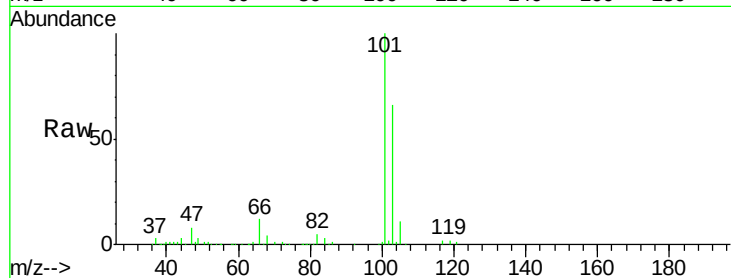
Trichlorofluoromethane
Concen: 15.869 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011401.D
Acq: 09 Aug 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0809WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	46854		
103	66.5	50.9	76.3	

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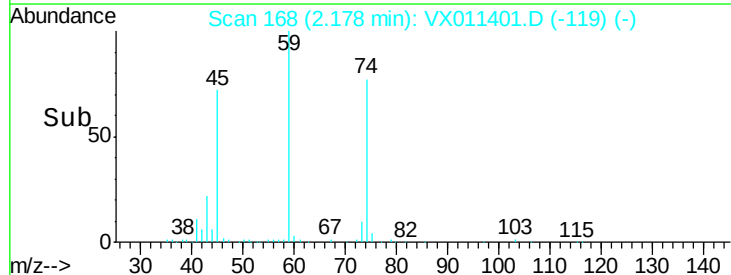
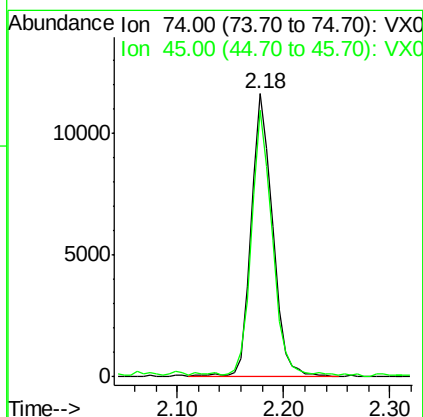
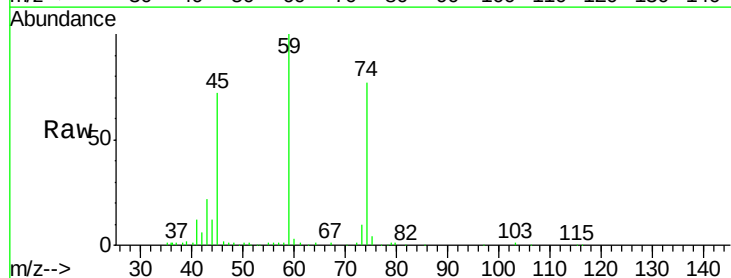
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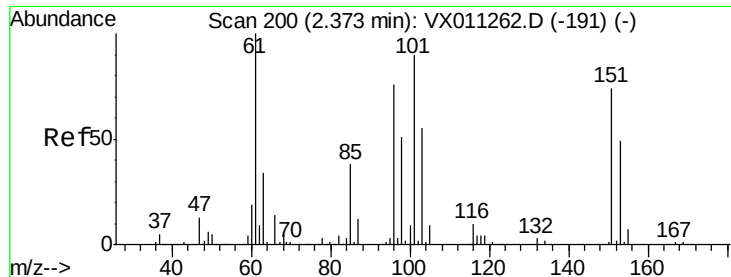


#8

Diethyl Ether
Concen: 15.723 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011401.D
Acq: 09 Aug 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	16577		
45	93.1	46.1	138.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.472 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX011401.D

Acq: 09 Aug 2019 11:48

Instrument :

MSVOA_X

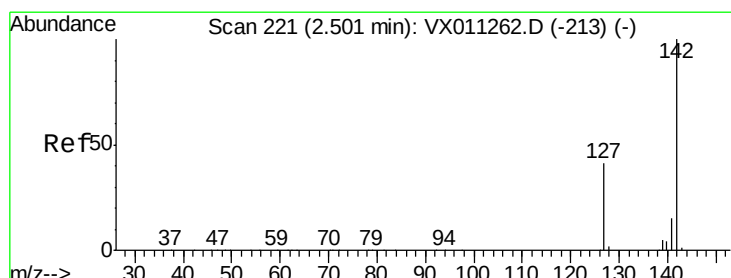
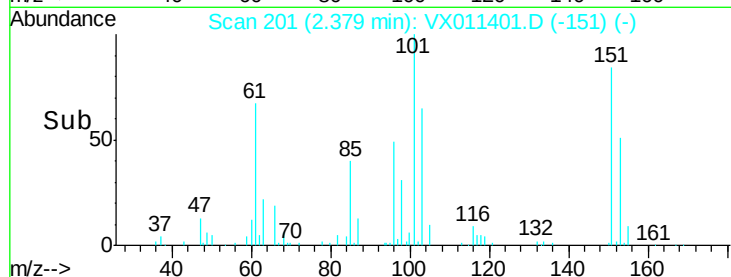
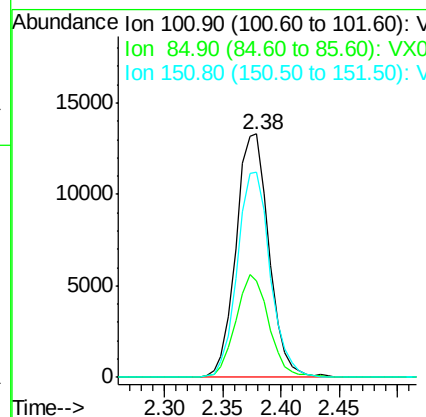
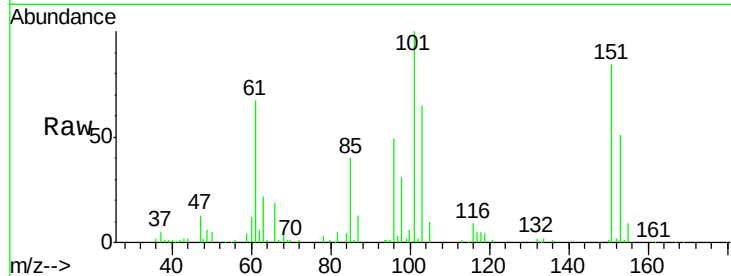
ClientSampleId :

VX0809WBS01

Tot Ion:	101	Resp:	26315
Ion Ratio	Lower	Upper	
101	100		
85	42.2	33.8	50.6
151	84.4	69.5	104.3

Manual Integrations
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#10

Methyl Iodide

Concen: 13.929 ug/l

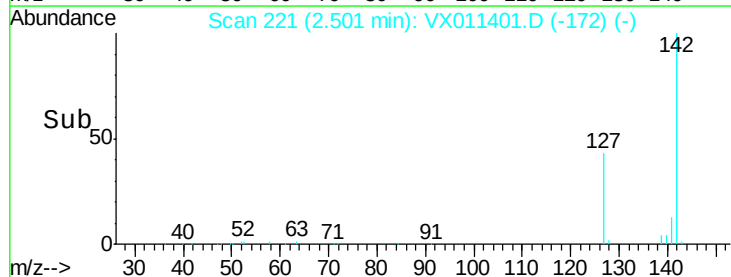
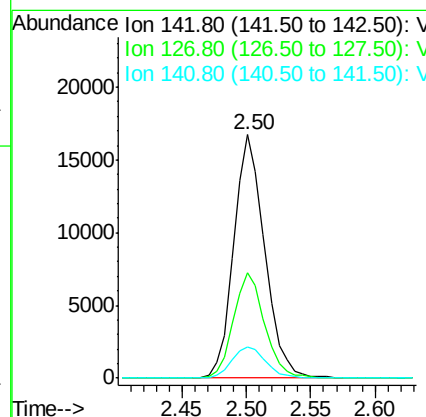
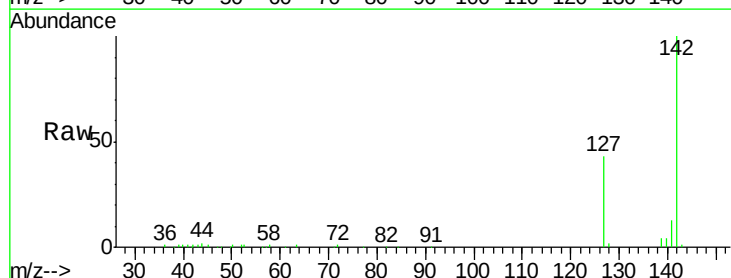
RT: 2.50 min Scan# 221

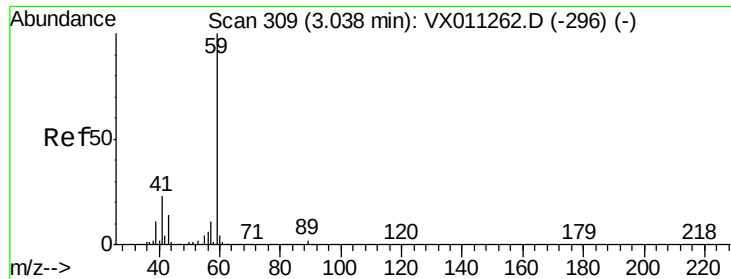
Delta R.T. 0.00 min

Lab File: VX011401.D

Acq: 09 Aug 2019 11:48

Tgt Ion:	142	Resp:	28054
Ion Ratio	Lower	Upper	
142	100		
127	43.7	33.8	50.8
141	13.9	11.4	17.2





#11

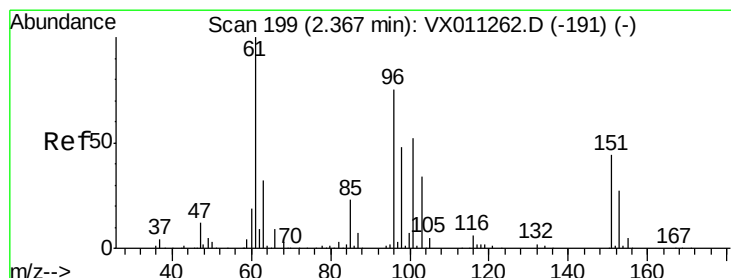
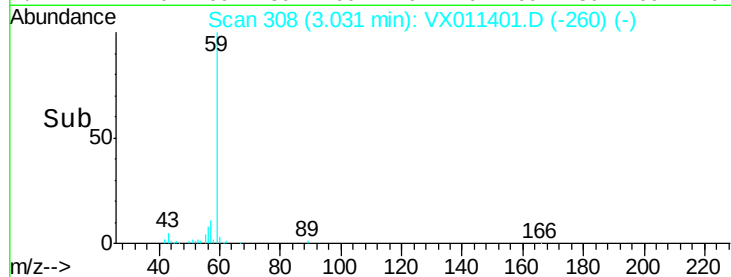
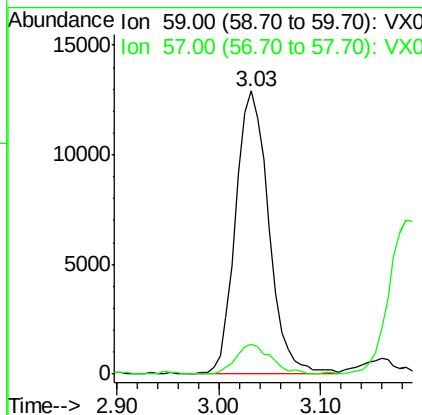
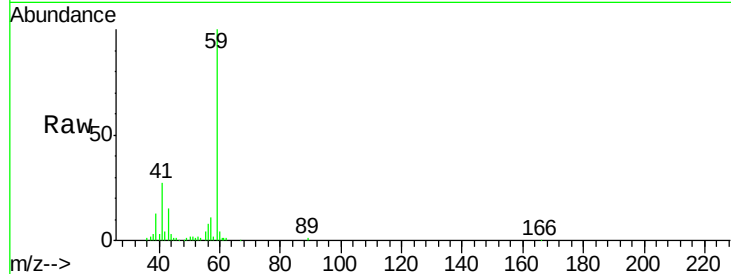
Tert butyl alcohol
Concen: 83.565 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.01 min
Lab File: VX011401.D
Acq: 09 Aug 2019 11:48

Instrument :
MSVOA_X
ClientSampled :
VX0809WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.3	12.5

Manual Integrations
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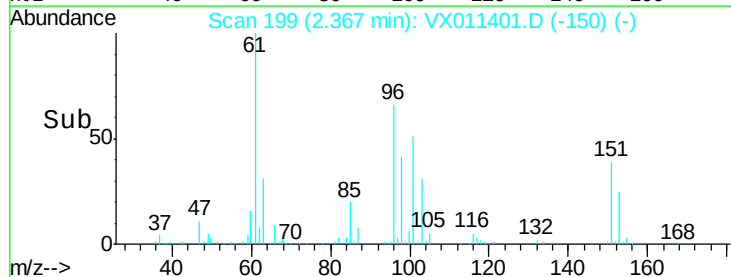
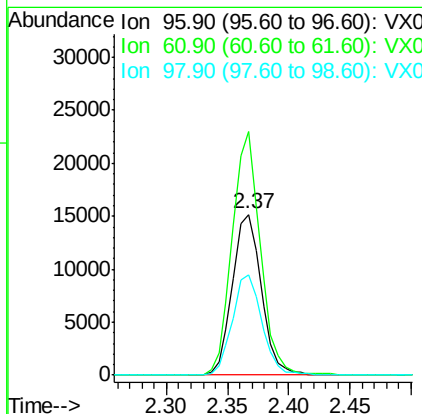
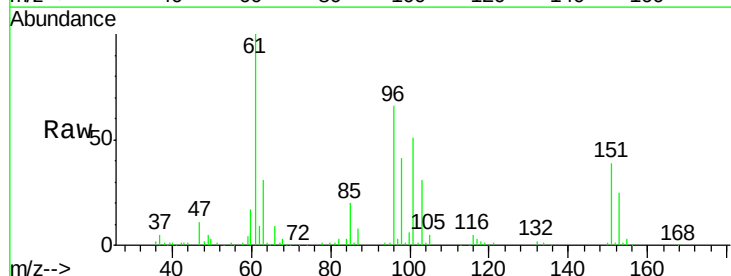
MMDadoda
8/12/2019 12:51:03 PM

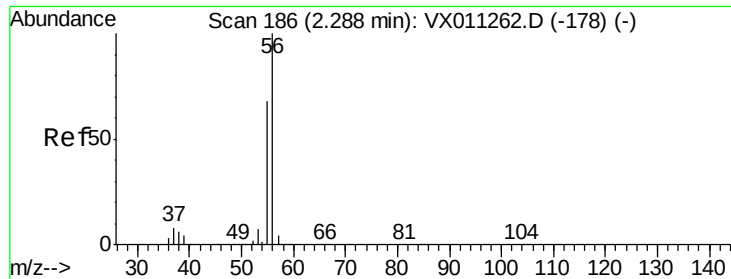


#12

1,1-Dichloroethene
Concen: 15.787 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX011401.D
Acq: 09 Aug 2019 11:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.7	106.2	159.2
98	62.6	50.6	75.8





#13

Acrolein

Concen: 63.934 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011401.D

Acq: 09 Aug 2019 11:48

Instrument :

MSVOA_X

ClientSampled :

VX0809WBS01

Tot Ion: 56 Resp: 13956

Ion Ratio Lower Upper

56 100

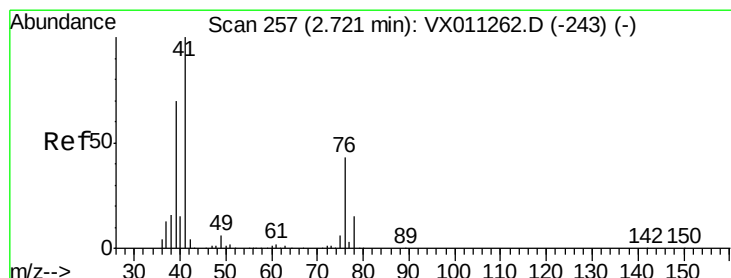
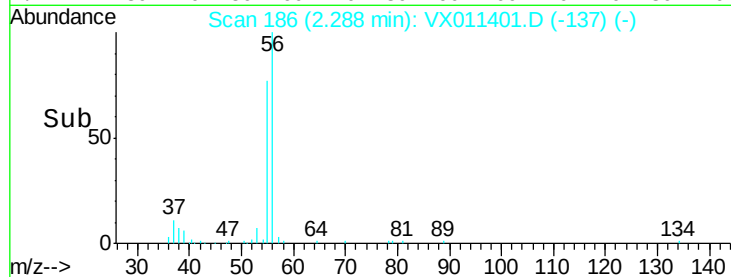
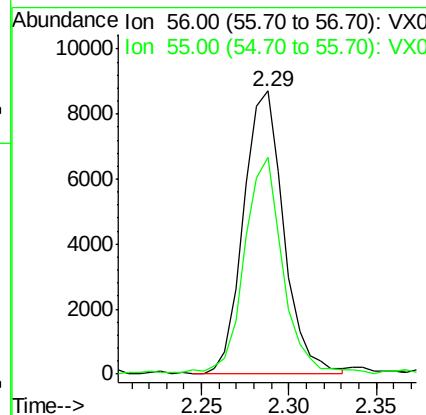
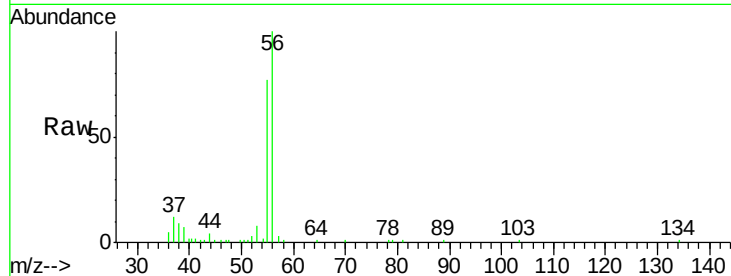
55 73.6 56.0 84.0

Manual Integrations

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#14

Allyl chloride

Concen: 17.589 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011401.D

Acq: 09 Aug 2019 11:48

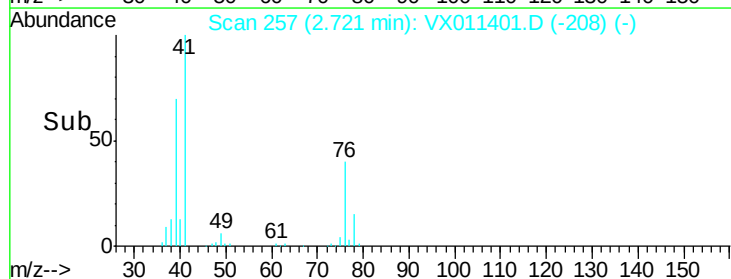
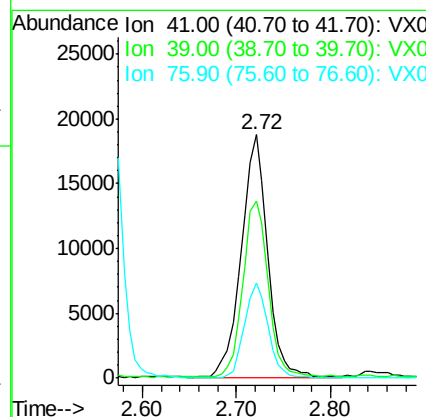
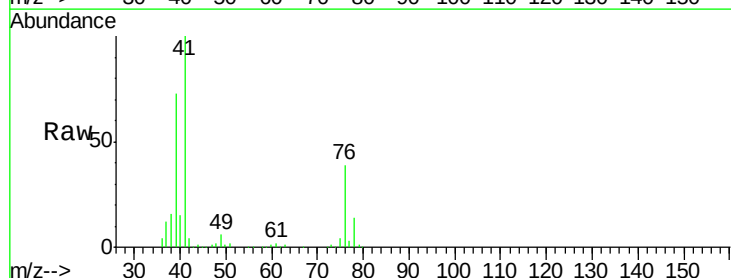
Tgt Ion: 41 Resp: 37133

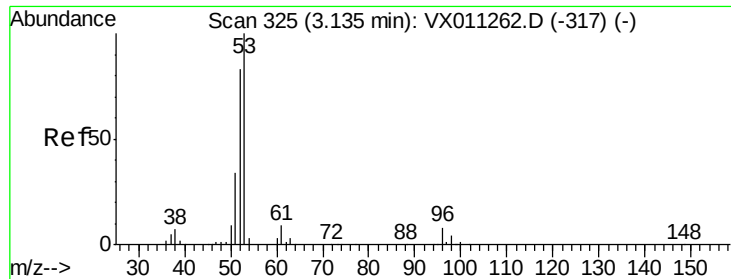
Ion Ratio Lower Upper

41 100

39 67.6 52.8 79.2

76 34.9 31.1 46.7





#15

Acrylonitrile

Concen: 87.080 ug/l

RT: 3.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX011401.D

Acq: 09 Aug 2019 11:48

Instrument :

MSVOA_X

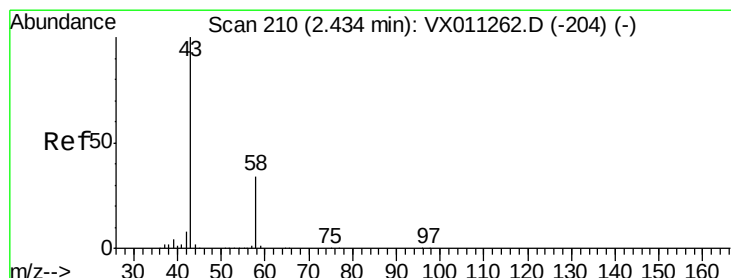
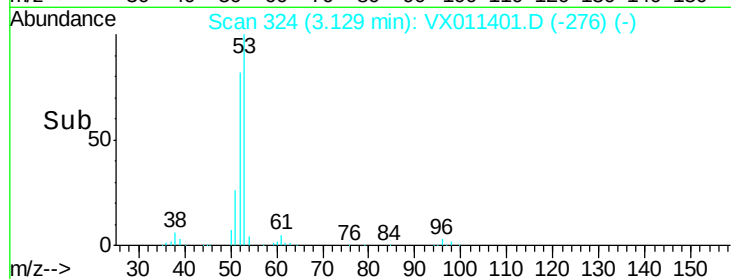
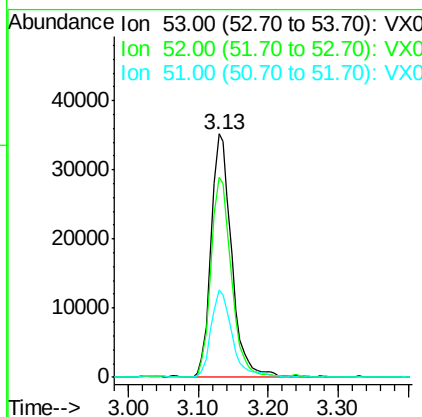
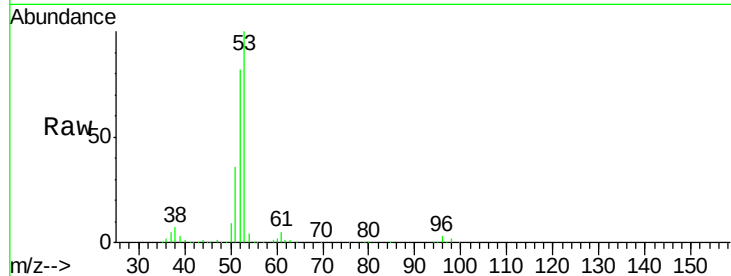
ClientSampleId :

VX0809WBS01

Tot Ion:	53	Resp:	72633
Ion Ratio	Lower	Upper	
53	100		
52	81.1	65.5	98.3
51	35.8	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 78.250 ug/l

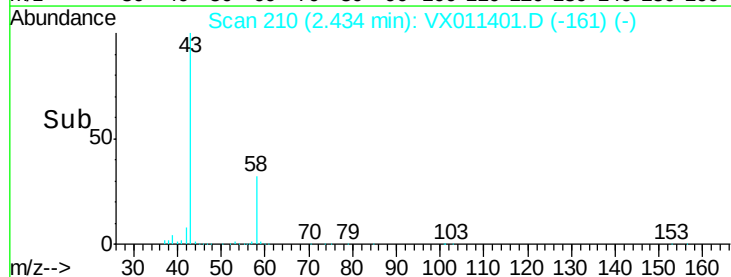
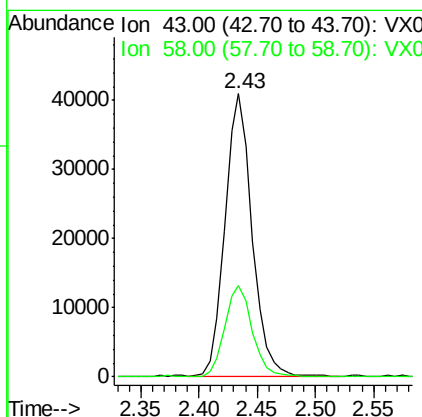
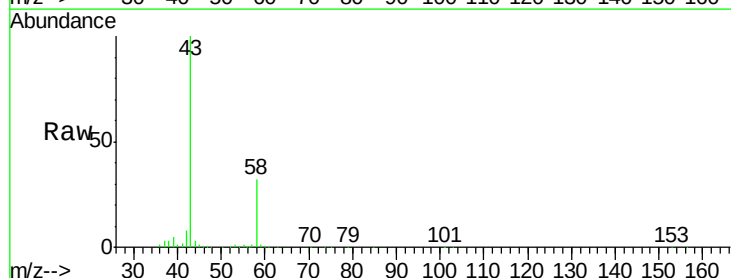
RT: 2.43 min Scan# 210

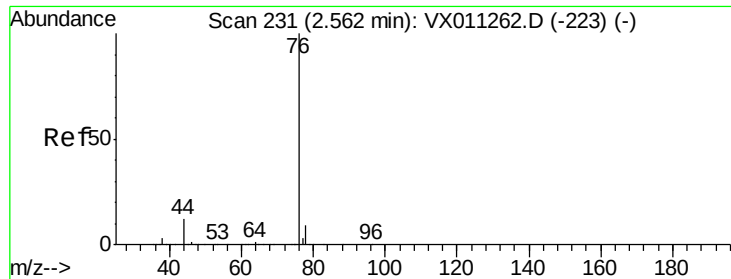
Delta R.T. 0.00 min

Lab File: VX011401.D

Acq: 09 Aug 2019 11:48

Tgt Ion:	43	Resp:	65285
Ion Ratio	Lower	Upper	
43	100		
58	32.3	27.4	41.0





#17

Carbon Disulfide

Concen: 14.868 ug/l

RT: 2.56 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX011401.D

Acq: 09 Aug 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0809WBS01

Tot Ion: 76 Resp: 55253

Ion Ratio Lower Upper

76 100

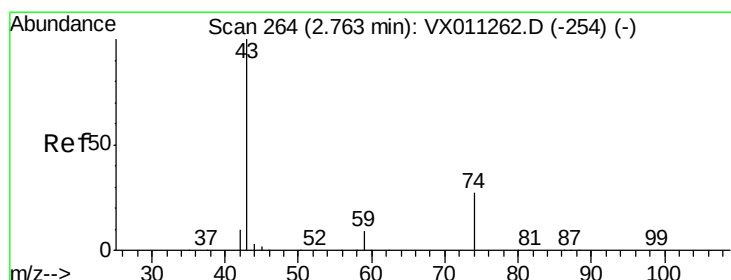
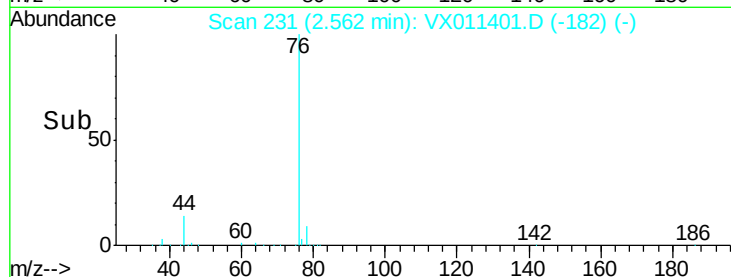
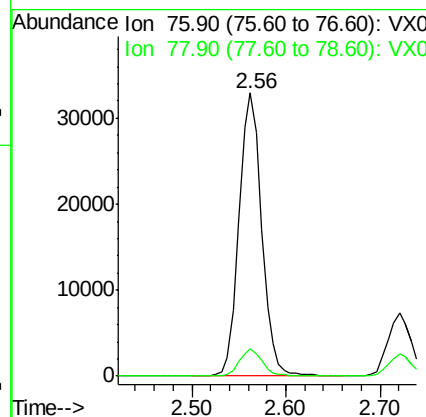
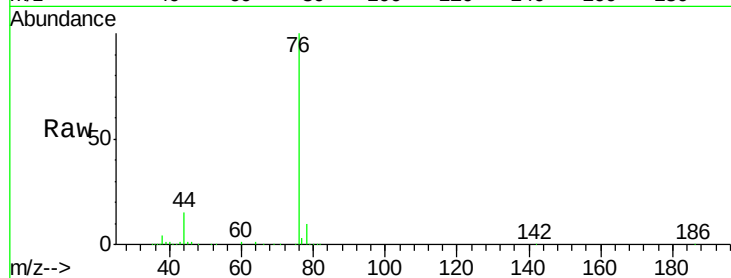
78 9.7 7.4 11.0

Manual Integrations

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#18

Methyl Acetate

Concen: 17.651 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011401.D

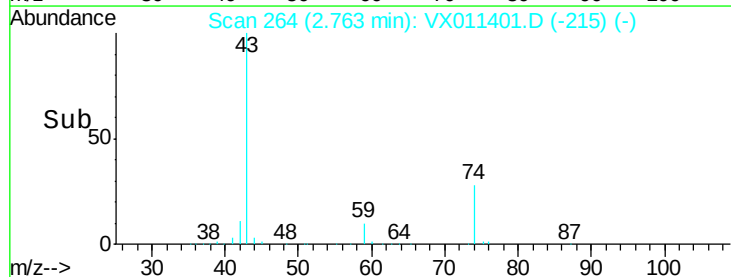
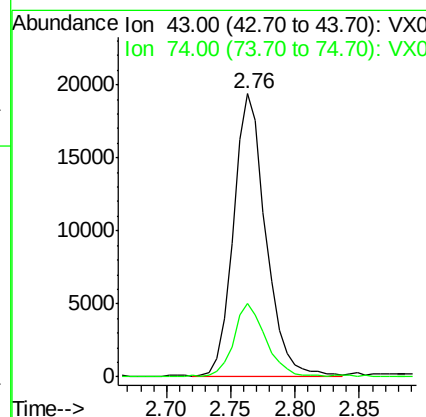
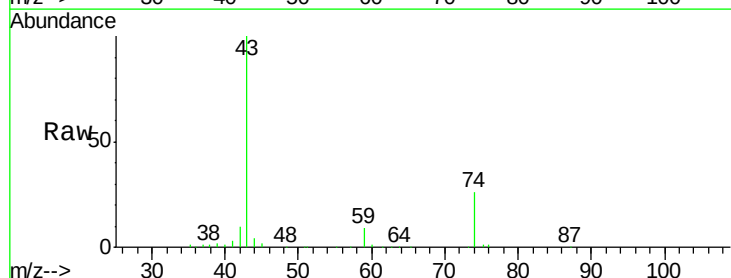
Acq: 09 Aug 2019 11:48

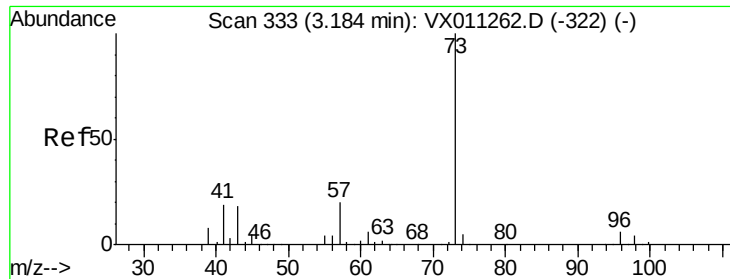
Tgt Ion: 43 Resp: 33655

Ion Ratio Lower Upper

43 100

74 26.2 21.0 31.6





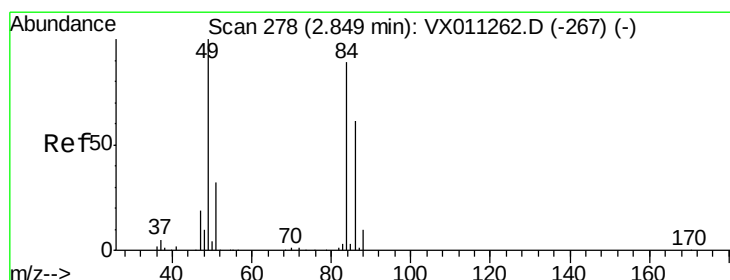
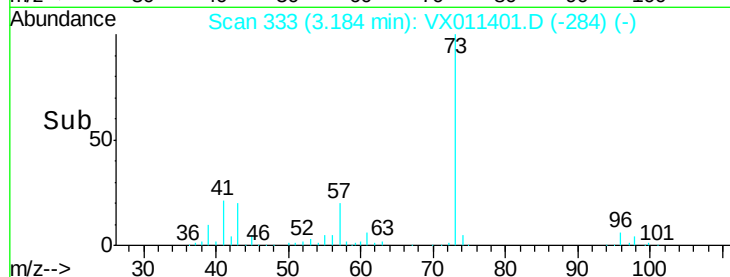
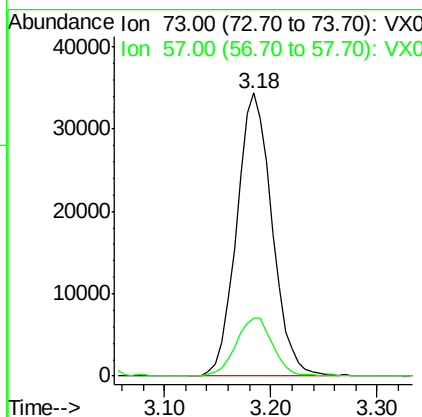
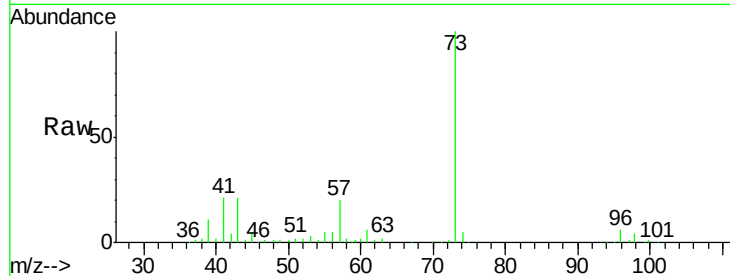
#19
Methyl tert-butyl Ether
Concen: 17.195 ug/l
RT: 3.18 min Scan# 333
Delta R.T. 0.00 min
Lab File: VX011401.D
Acq: 09 Aug 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0809WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.3	16.2	24.2

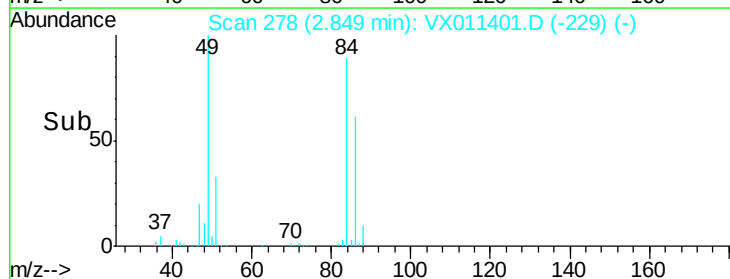
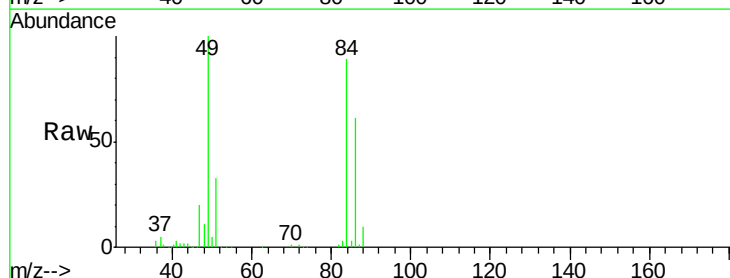
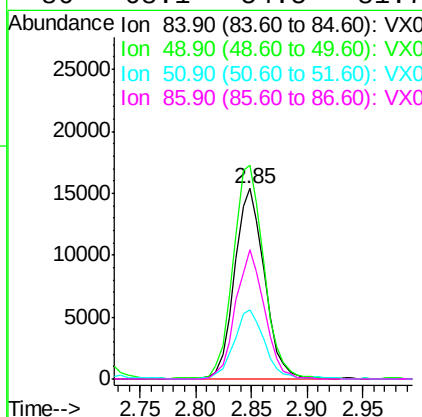
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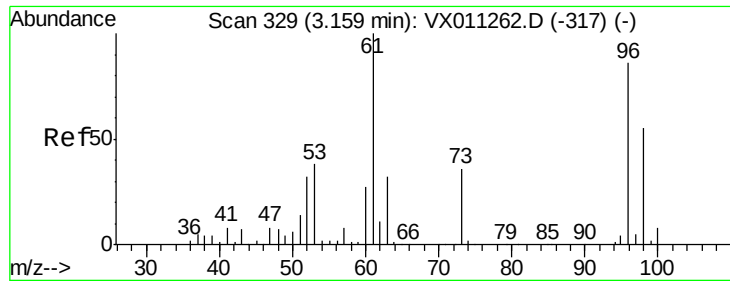
MMDadoda
8/12/2019 12:51:03 PM



#20
Methylene Chloride
Concen: 15.624 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011401.D
Acq: 09 Aug 2019 11:48

Tgt Ion	Ratio	Lower	Upper
84	100		
49	111.7	89.3	133.9
51	36.6	28.3	42.5
86	68.1	54.5	81.7





#21

trans-1,2-Dichloroethene

Concen: 15.737 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011401.D

Acq: 09 Aug 2019 11:48

Instrument :

MSVOA_X

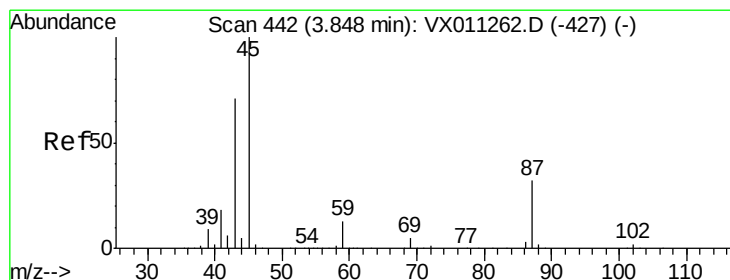
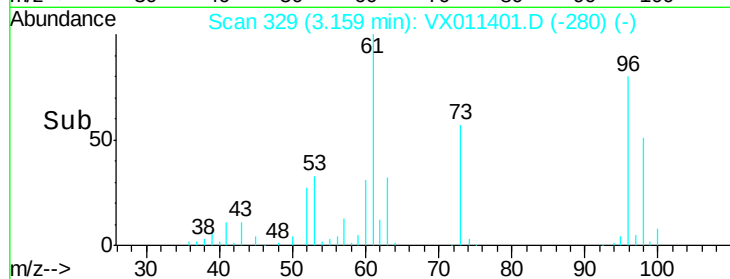
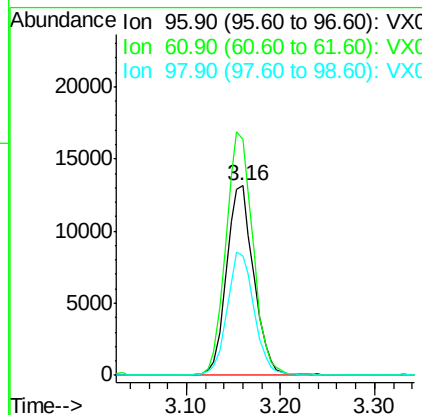
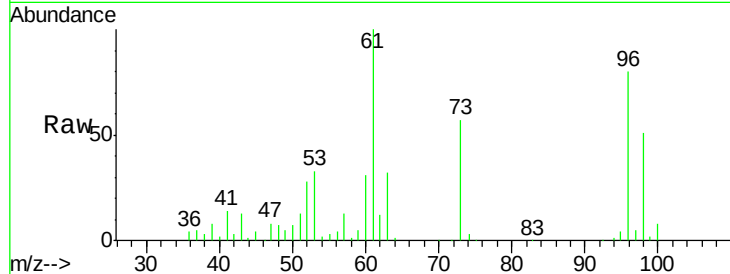
ClientSampleId :

VX0809WBS01

Tot Ion:	96	Resp:	26362
Ion	Ratio	Lower	Upper
96	100		
61	124.5	92.8	139.2
98	62.9	51.2	76.8

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#22

Diisopropyl ether

Concen: 17.059 ug/l

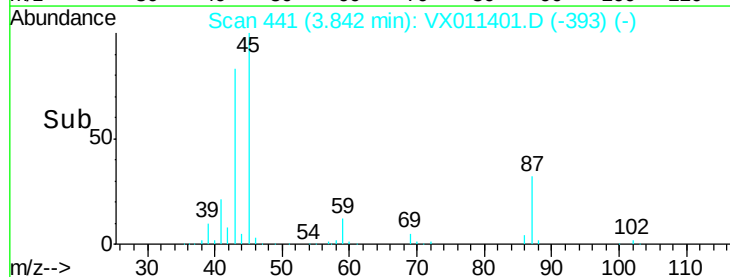
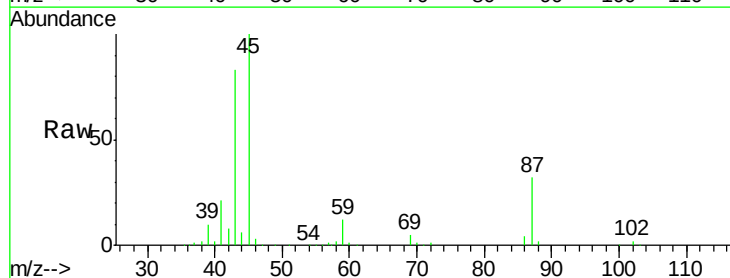
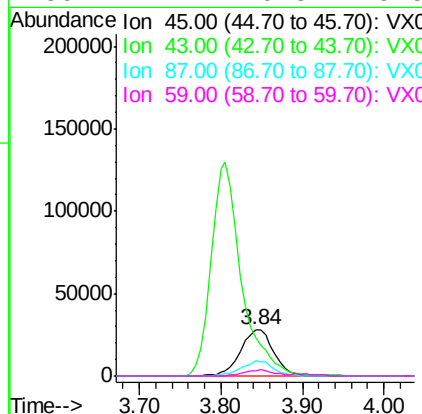
RT: 3.84 min Scan# 441

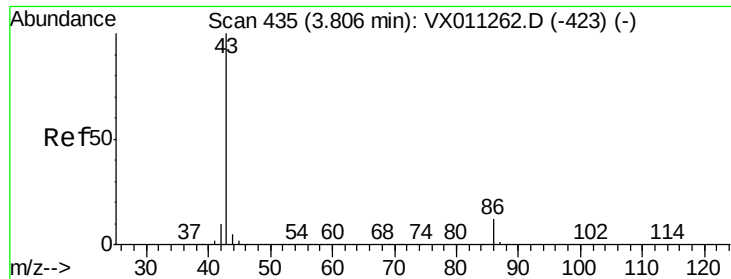
Delta R.T. -0.01 min

Lab File: VX011401.D

Acq: 09 Aug 2019 11:48

Tgt Ion:	45	Resp:	79153
Ion	Ratio	Lower	Upper
45	100		
43	81.7	56.8	85.2
87	32.1	25.8	38.6
59	11.7	10.3	15.5





#23

Vinyl Acetate

Concen: 87.462 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011401.D

Acq: 09 Aug 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0809WBS01

Tot Ion: 43 Resp: 336597

Ion Ratio Lower Upper

43 100

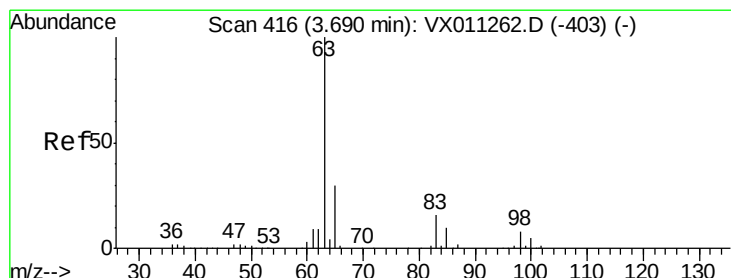
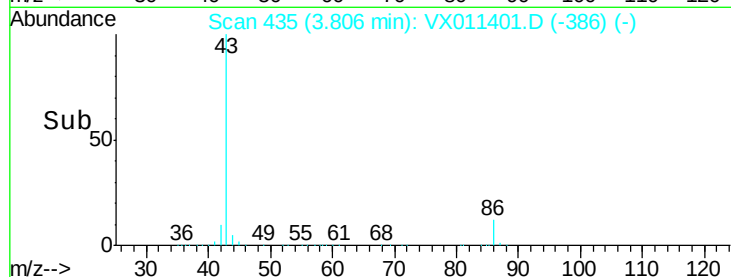
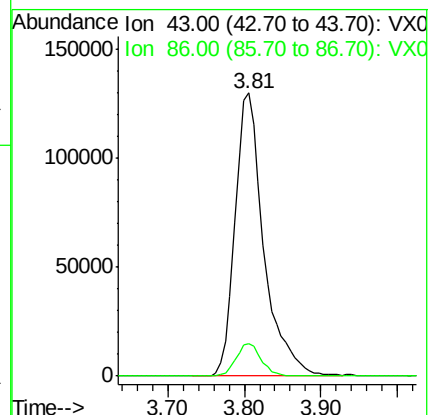
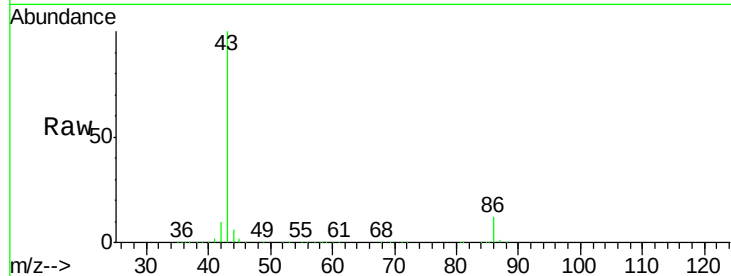
86 11.7 9.6 14.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 16.851 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011401.D

Acq: 09 Aug 2019 11:48

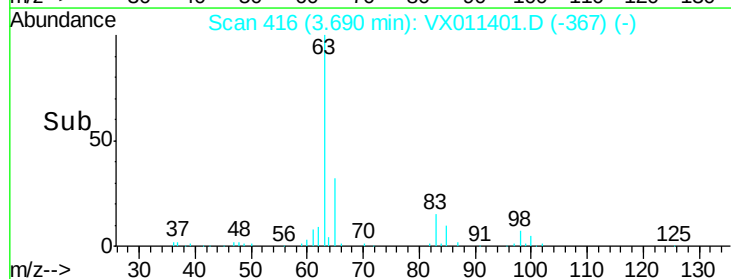
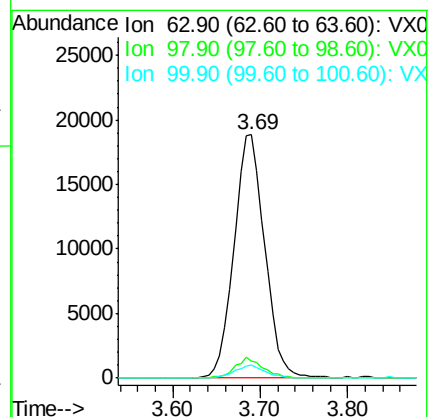
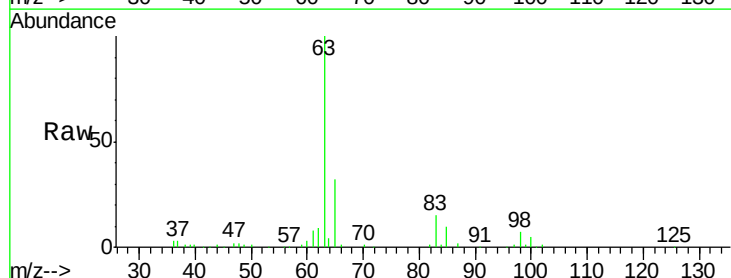
Tgt Ion: 63 Resp: 46105

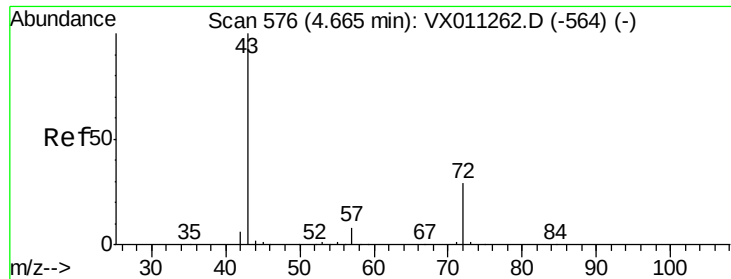
Ion Ratio Lower Upper

63 100

98 7.0 3.9 11.5

100 5.5 2.7 8.1





#25

2-Butanone

Concen: 83.418 ug/l

RT: 4.66 min Scan# 575

Delta R.T. -0.01 min

Lab File: VX011401.D

Acq: 09 Aug 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0809WBS01

Tot Ion: 43 Resp: 99002

Ion Ratio Lower Upper

43 100

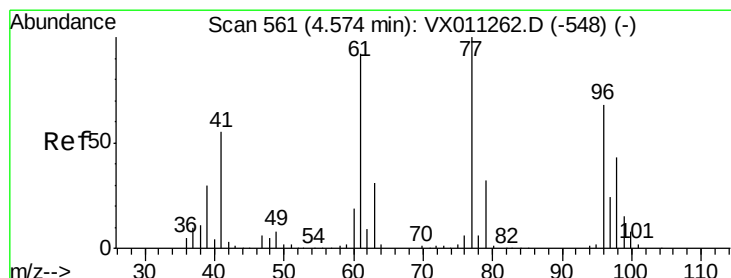
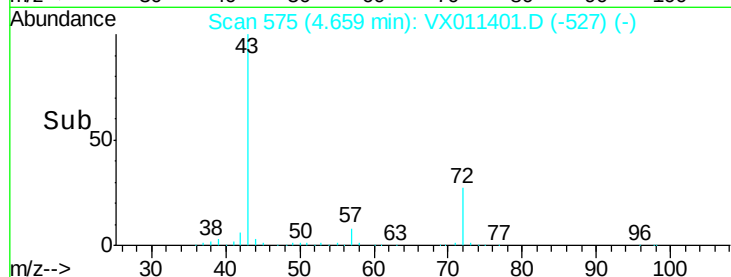
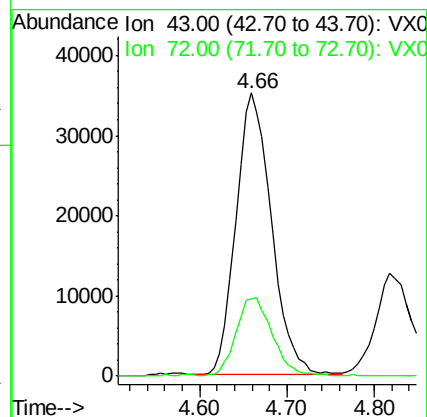
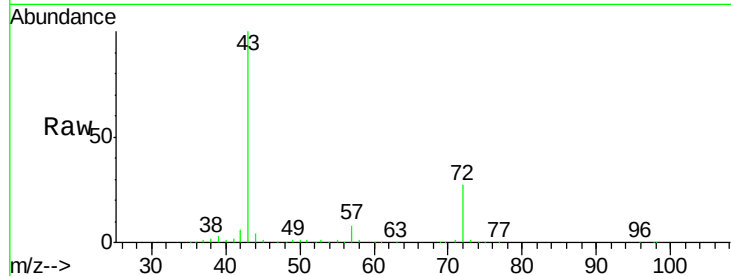
72 26.9 23.2 34.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 16.801 ug/l

RT: 4.57 min Scan# 561

Delta R.T. 0.00 min

Lab File: VX011401.D

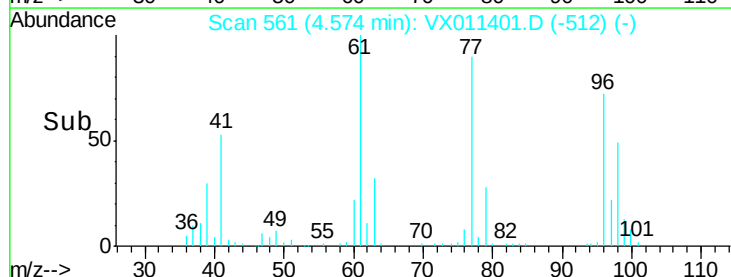
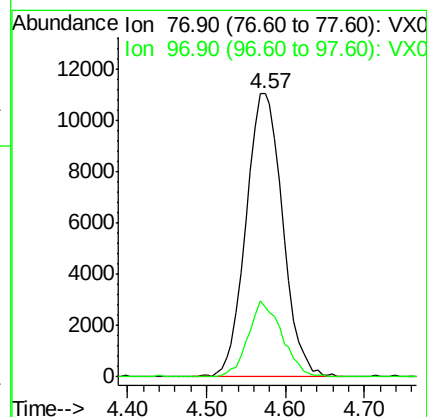
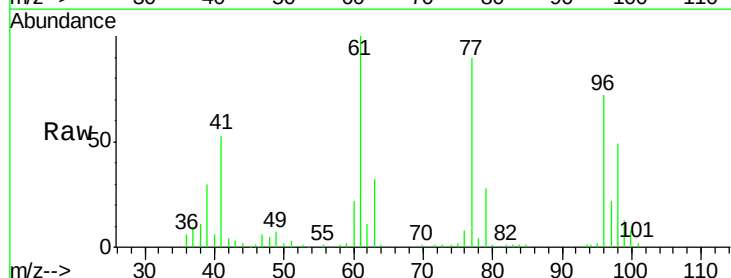
Acq: 09 Aug 2019 11:48

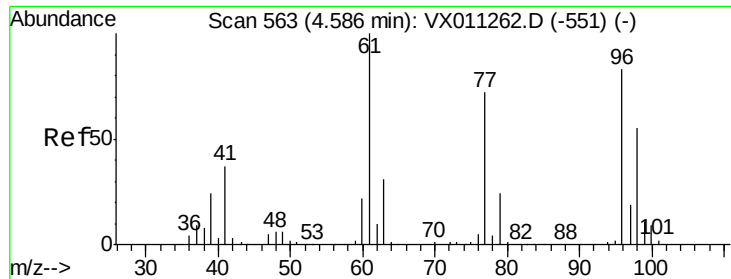
Tgt Ion: 77 Resp: 35733

Ion Ratio Lower Upper

77 100

97 24.7 12.8 38.4





#27

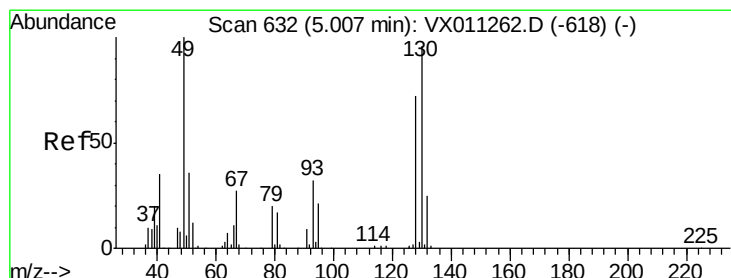
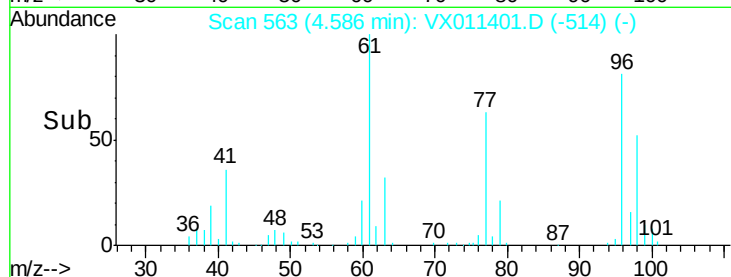
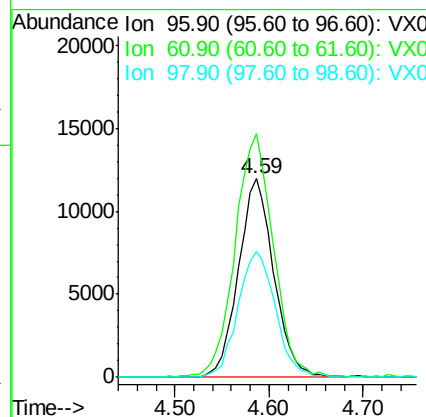
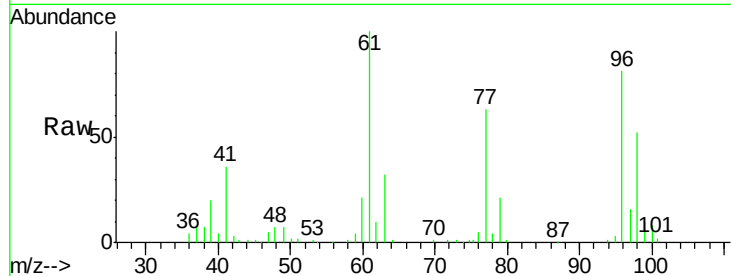
cis-1,2-Dichloroethene
Concen: 16.183 ug/l
RT: 4.59 min Scan# 563
Delta R.T. 0.00 min
Lab File: VX011401.D
Acq: 09 Aug 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0809WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	31226		
61	133.1	0.0	260.2	
98	66.9	0.0	133.2	

Manual Integrations
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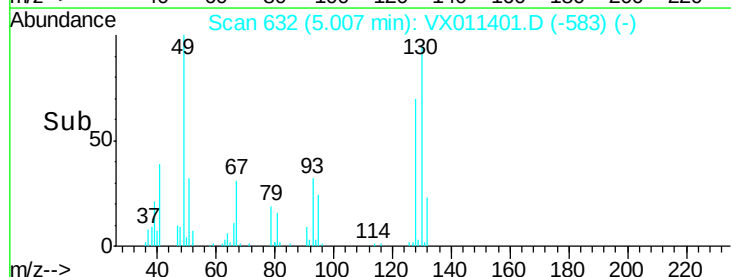
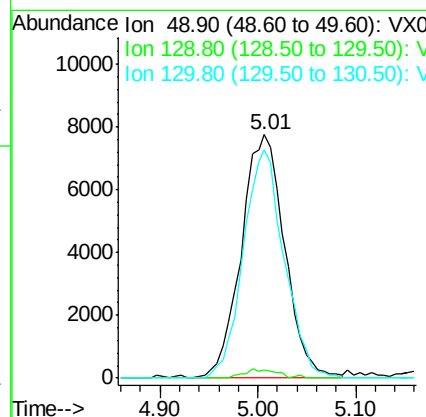
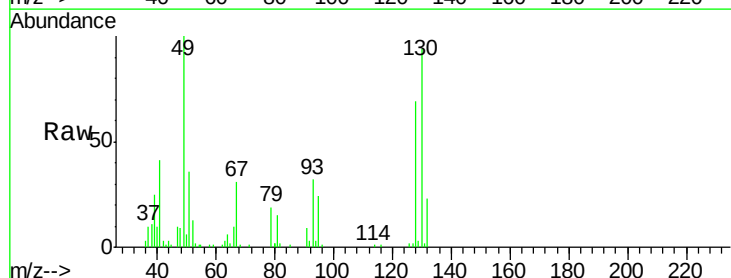
MMDadoda
8/12/2019 12:51:03 PM

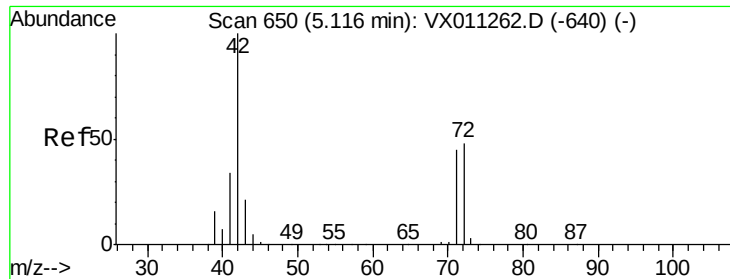


#28

Bromochloromethane
Concen: 19.082 ug/l
RT: 5.01 min Scan# 632
Delta R.T. 0.00 min
Lab File: VX011401.D
Acq: 09 Aug 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	23801		
129	2.9	0.0	5.8	
130	88.6	77.9	116.9	





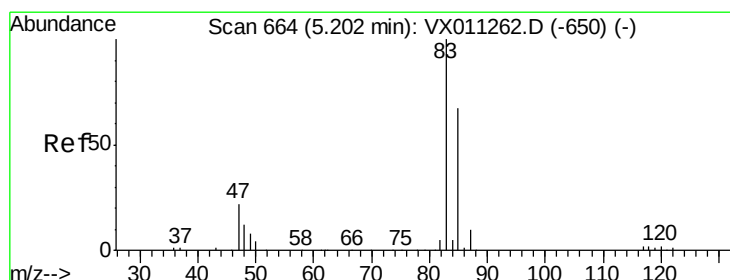
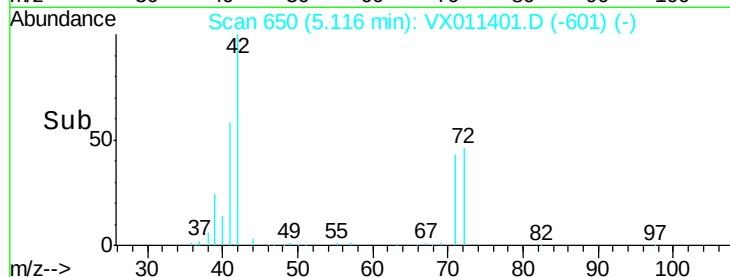
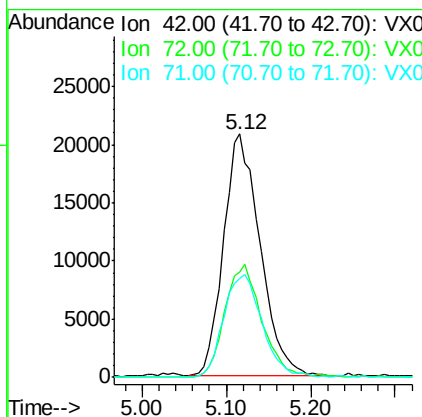
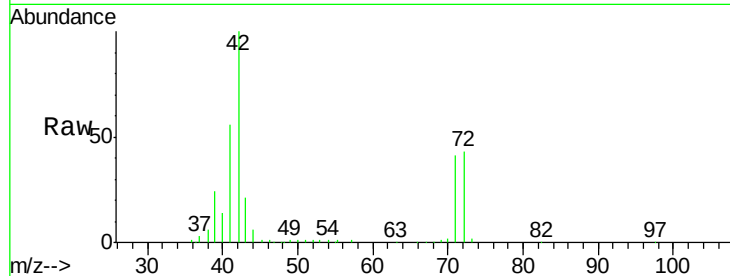
#29
Tetrahydrofuran
Concen: 84.274 ug/l
RT: 5.12 min Scan# 650
Delta R.T. 0.00 min
Lab File: VX011401.D
Acq: 09 Aug 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0809WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.9	39.9	59.9
71	45.0	36.9	55.3

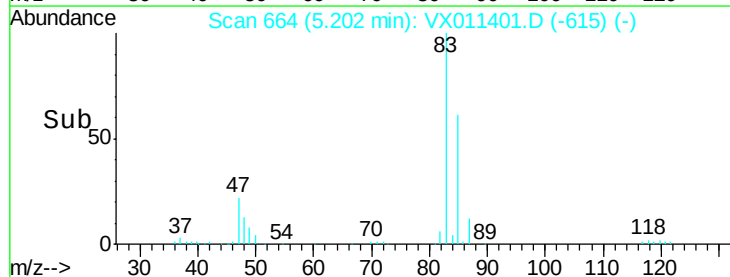
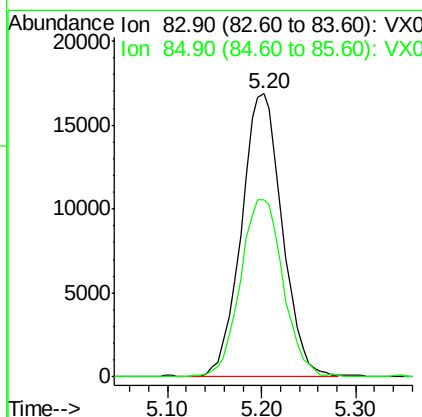
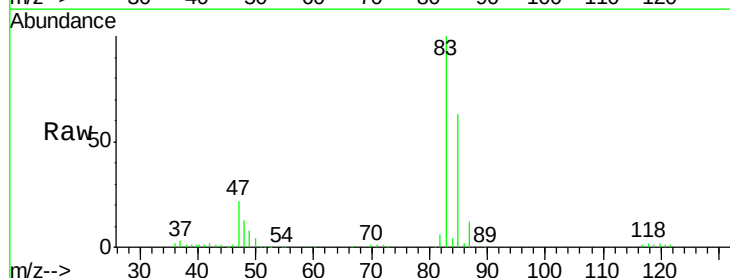
Manual Integrations
APPROVED

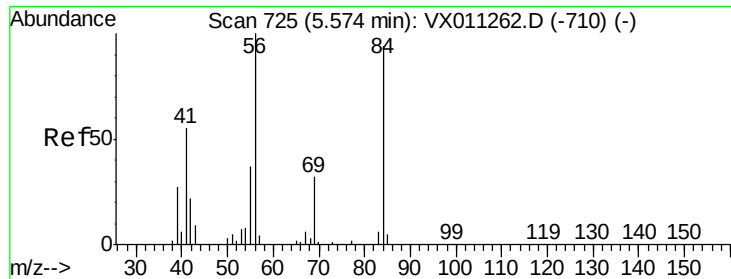
MMDadoda
8/12/2019 12:51:03 PM



#30
Chloroform
Concen: 17.211 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011401.D
Acq: 09 Aug 2019 11:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	53.4	80.0





#31

Cyclohexane

Concen: 15.525 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX011401.D

Acq: 09 Aug 2019 11:48

Instrument :

MSVOA_X

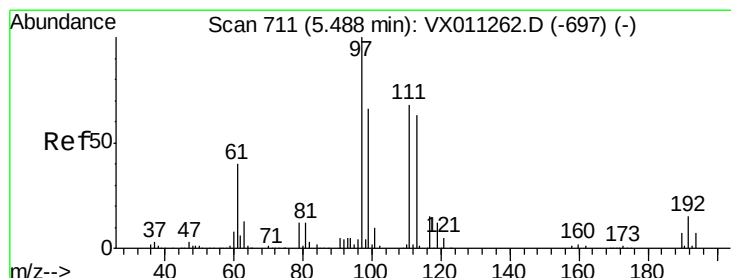
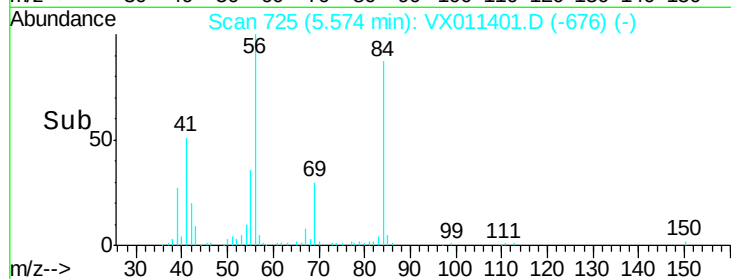
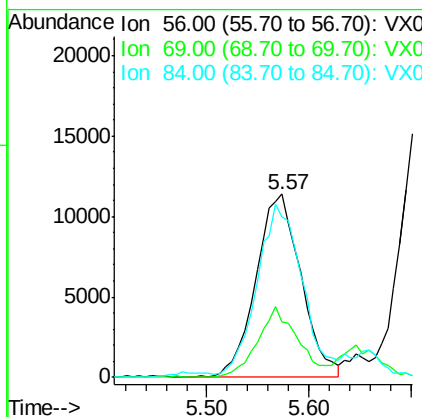
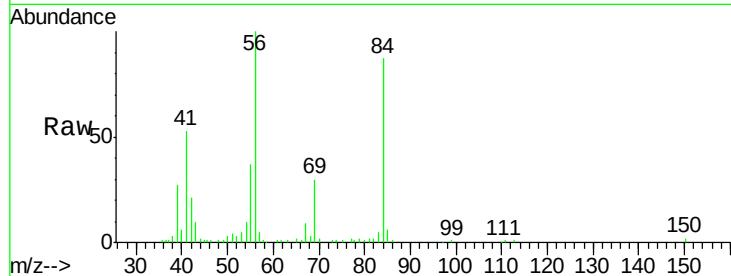
ClientSampleId :

VX0809WBS01

Tot Ion:	56	Resp:	35044
Ion	Ratio	Lower	Upper
56	100		
69	29.9	25.5	38.3
84	84.9	75.0	112.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 16.972 ug/l

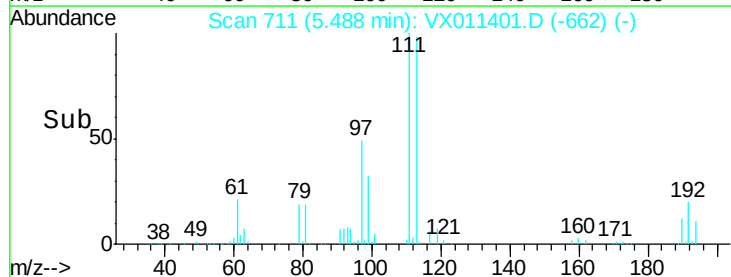
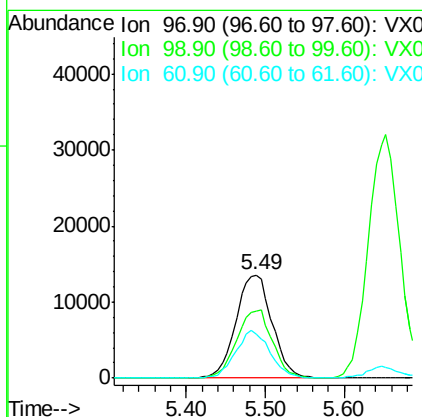
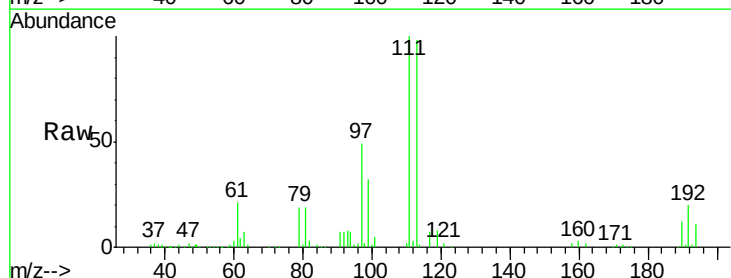
RT: 5.49 min Scan# 711

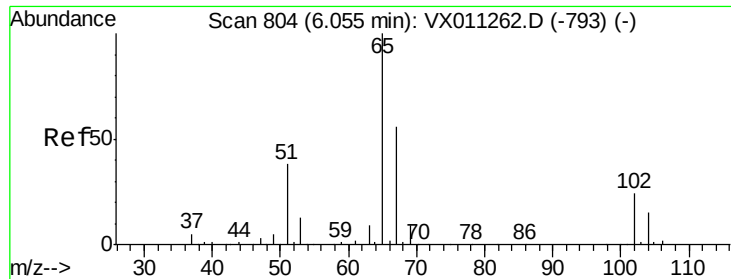
Delta R.T. 0.00 min

Lab File: VX011401.D

Acq: 09 Aug 2019 11:48

Tgt Ion:	97	Resp:	43234
Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.6	77.4
61	44.3	32.3	48.5





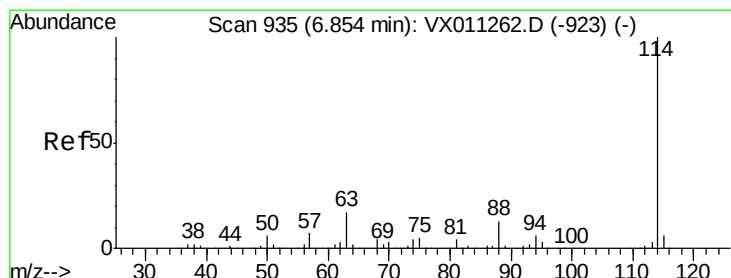
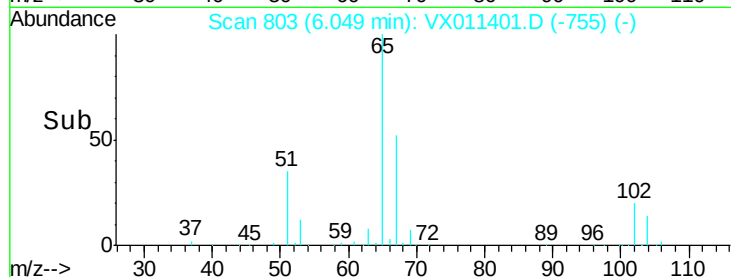
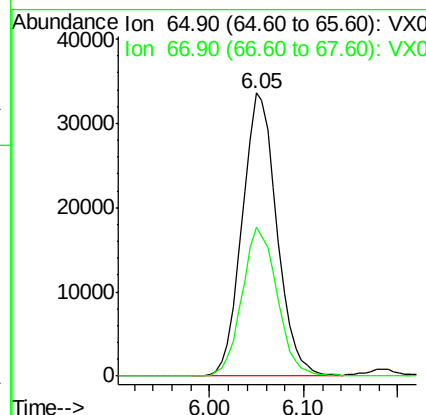
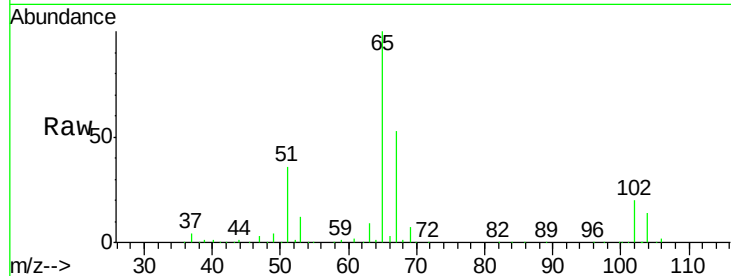
#33
 1,2-Dichloroethane-d4
 Concen: 49.390 ug/l
 RT: 6.05 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: VX011401.D
 Acq: 09 Aug 2019 11:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0809WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	110.6

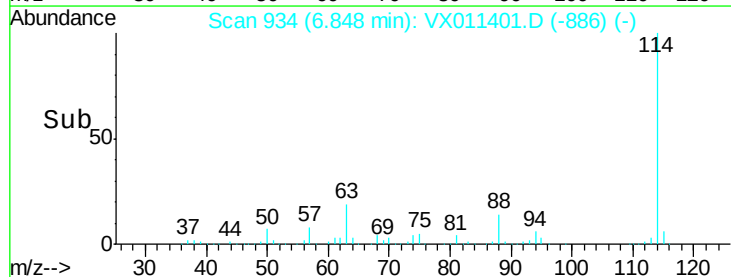
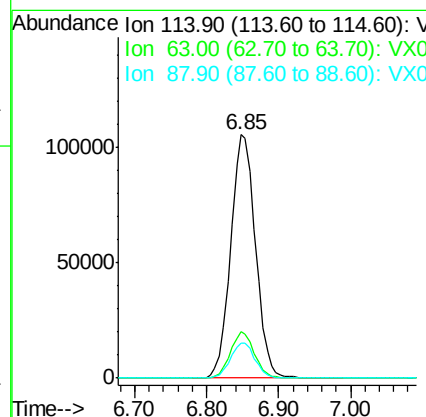
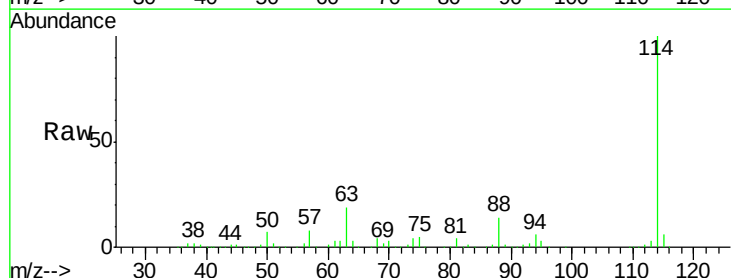
Manual Integrations
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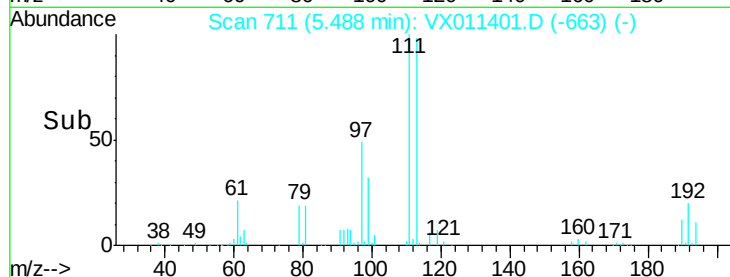
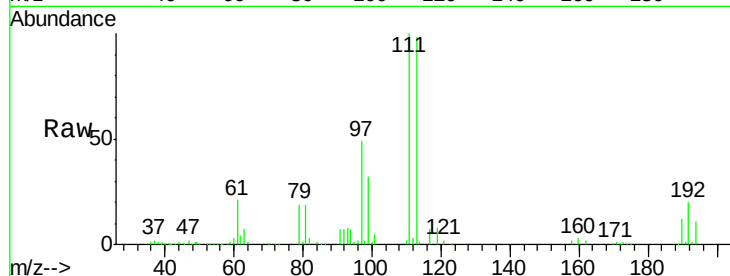
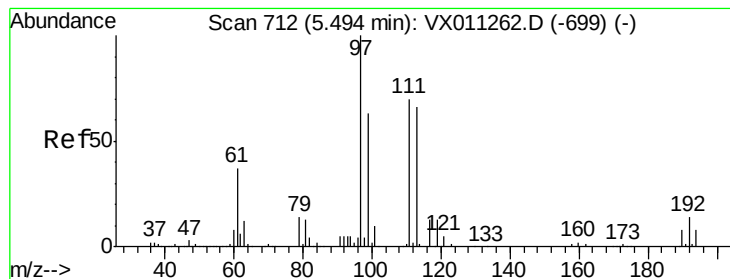
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 934
 Delta R.T. -0.01 min
 Lab File: VX011401.D
 Acq: 09 Aug 2019 11:48

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	34.0
88	14.5	0.0	26.4





#35

Dibromofluoromethane

Concen: 46.703 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011401.D

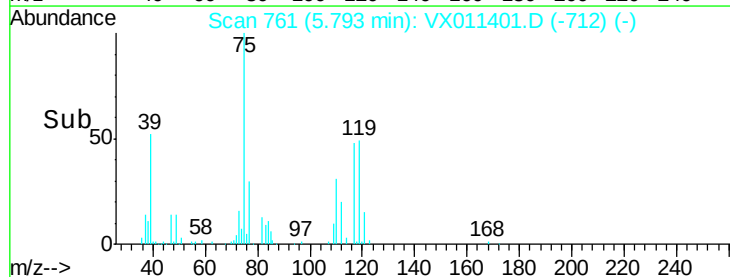
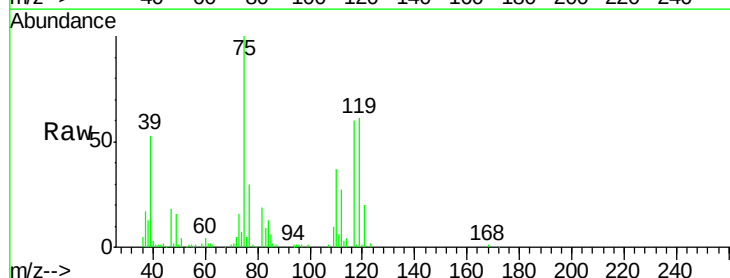
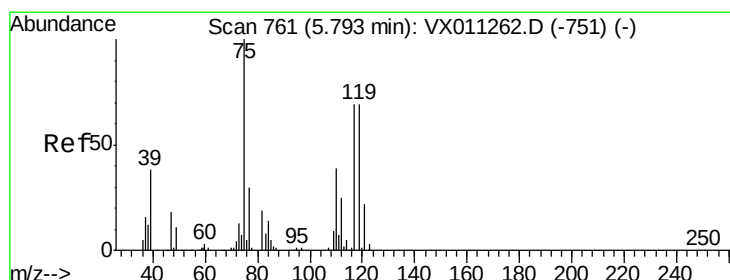
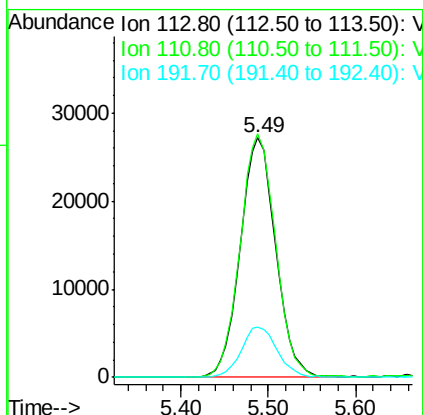
Acq: 09 Aug 2019 11:48

Tot Ion:	113	Resp:	76699
Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.9	122.9
192	21.3	17.8	26.8

Instrument :
MSVOA_X
ClientSampleId :
VX0809WBS01

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 16.383 ug/l

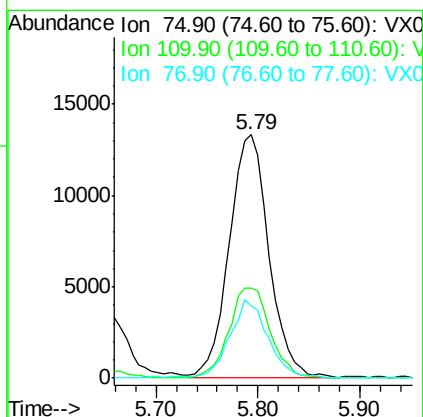
RT: 5.79 min Scan# 761

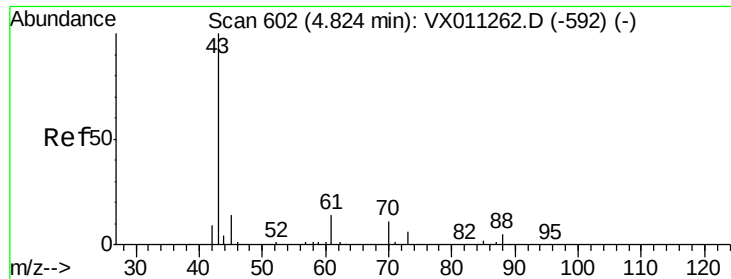
Delta R.T. 0.00 min

Lab File: VX011401.D

Acq: 09 Aug 2019 11:48

Tgt Ion:	75	Resp:	35980
Ion	Ratio	Lower	Upper
75	100		
110	38.6	20.0	59.9
77	30.6	24.8	37.2





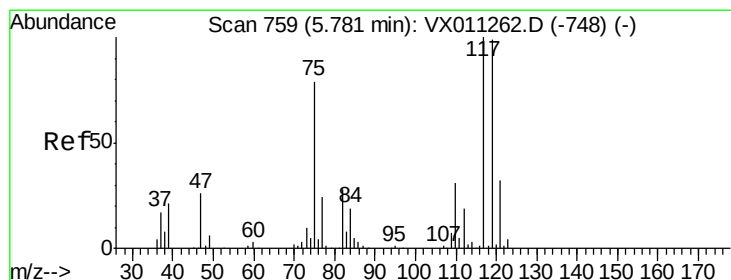
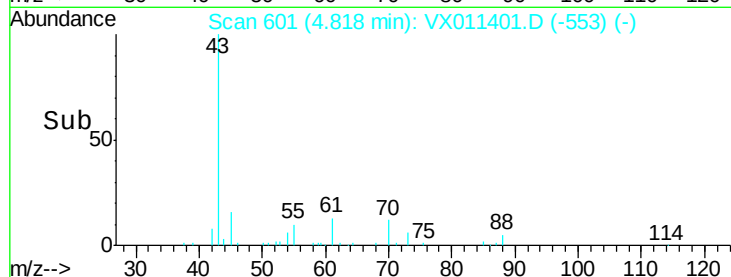
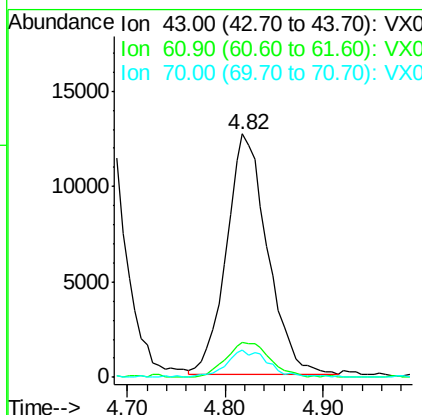
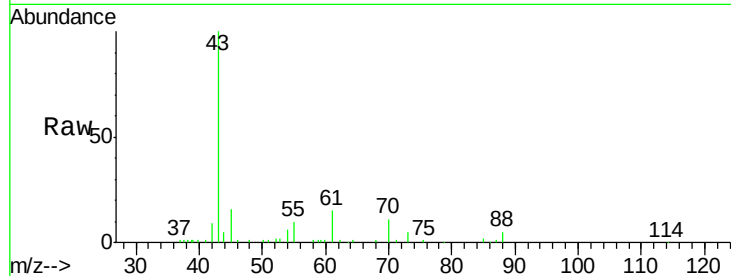
#37
Ethyl Acetate
Concen: 16.535 ug/l
RT: 4.82 min Scan# 601
Delta R.T. -0.01 min
Lab File: VX011401.D
Acq: 09 Aug 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0809WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	12.6	18.8
70	11.5	9.1	13.7

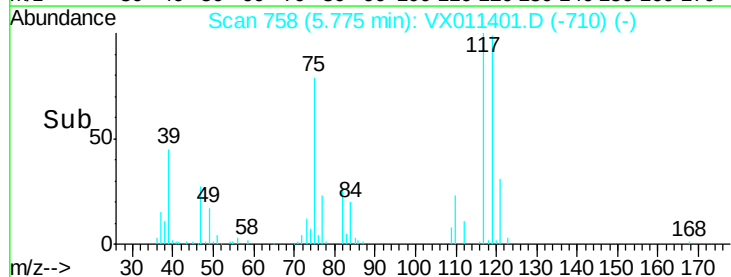
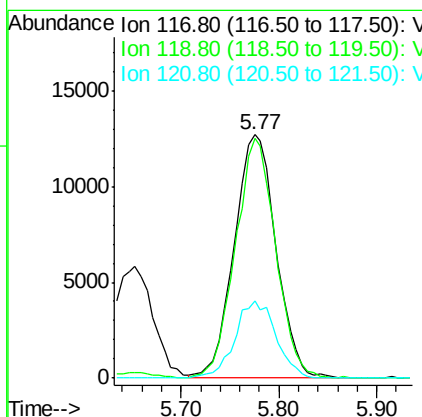
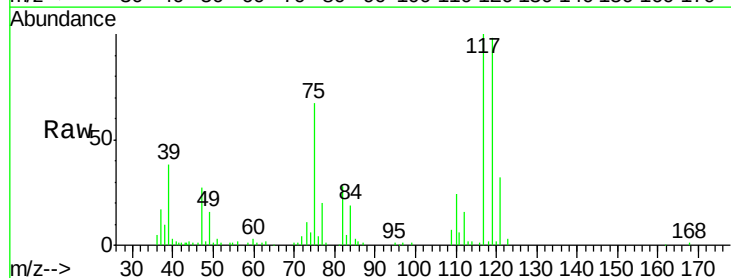
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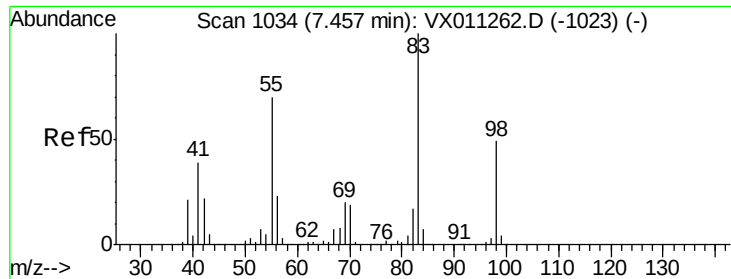
MMDadoda
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#38
Carbon Tetrachloride
Concen: 17.070 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX011401.D
Acq: 09 Aug 2019 11:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	79.0	118.4
121	31.8	25.9	38.9





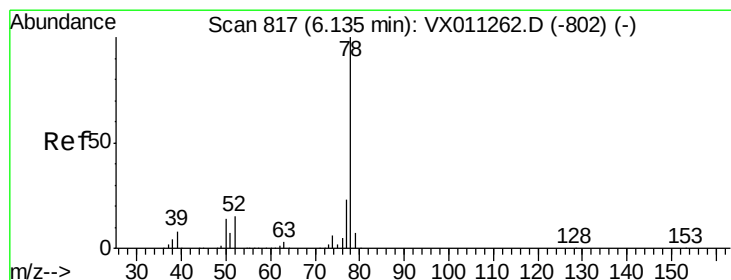
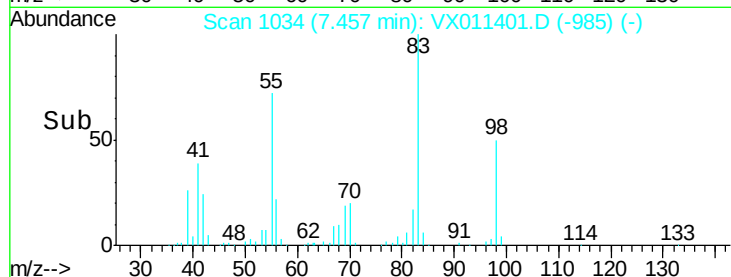
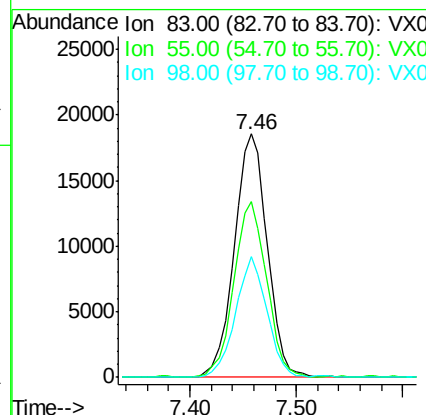
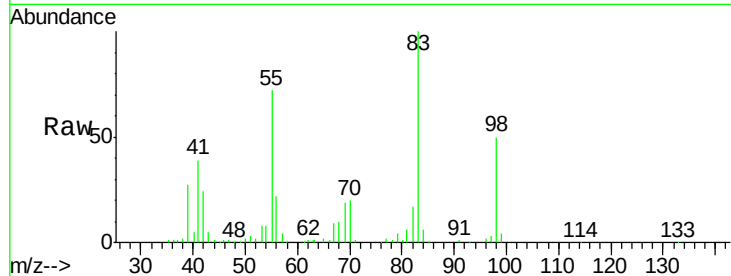
#39
Methylvlcyclohexane
Concen: 15.438 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011401.D
Acq: 09 Aug 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0809WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	40190		
55	72.0		56.1	84.1
98	49.8		39.0	58.4

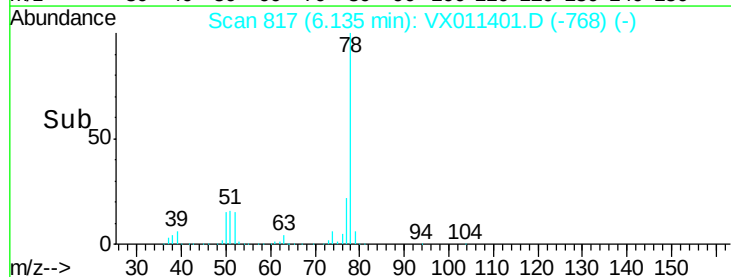
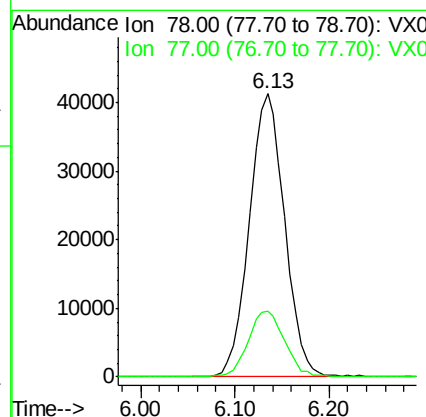
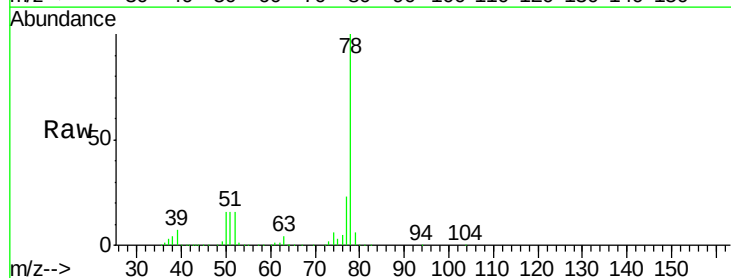
Manual Integrations
APPROVED

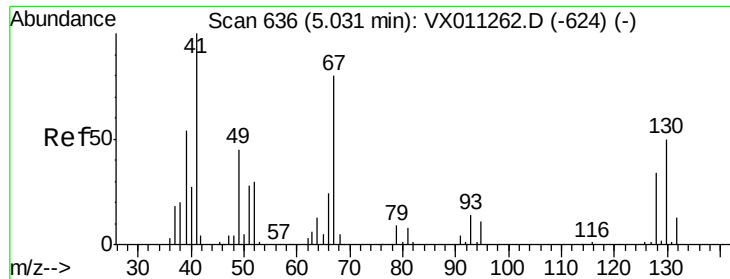
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#40
Benzene
Concen: 16.564 ug/l
RT: 6.13 min Scan# 817
Delta R.T. 0.00 min
Lab File: VX011401.D
Acq: 09 Aug 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	108553		
77	23.1		18.2	27.2





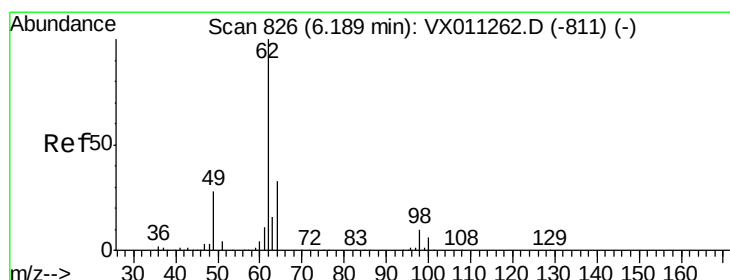
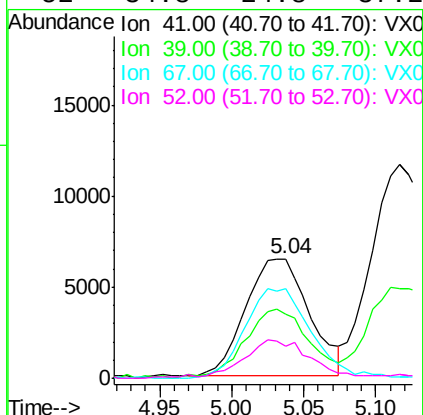
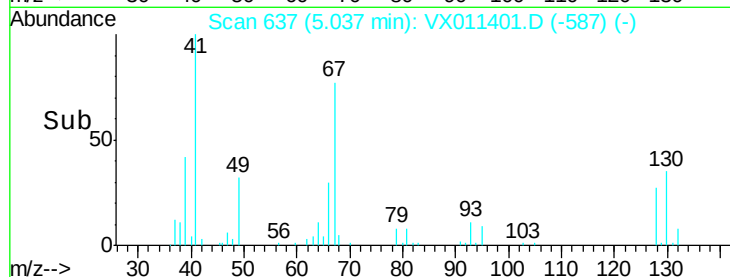
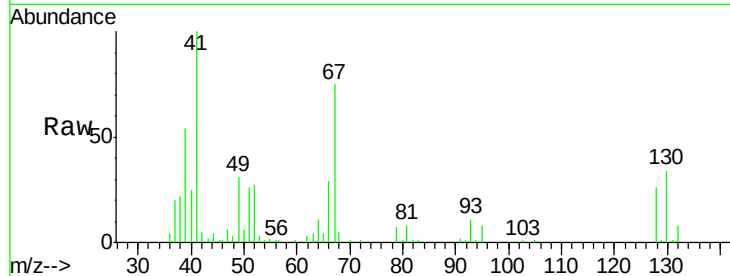
#41
Methacrylonitrile
Concen: 16.469 ug/l
RT: 5.04 min Scan# 637
Delta R.T. 0.01 min
Lab File: VX011401.D
Acq: 09 Aug 2019 11:48

Instrument :
MSVOA_X
ClientSampled :
VX0809WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.3	43.0	64.6
67	79.3	65.1	97.7
52	34.8	24.8	37.2

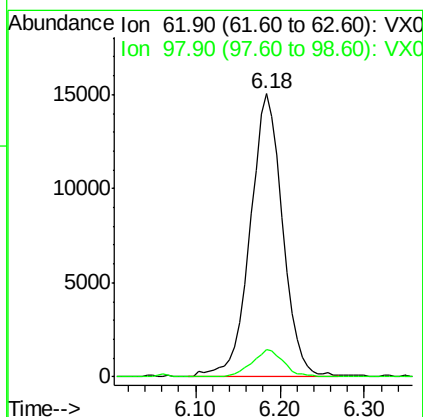
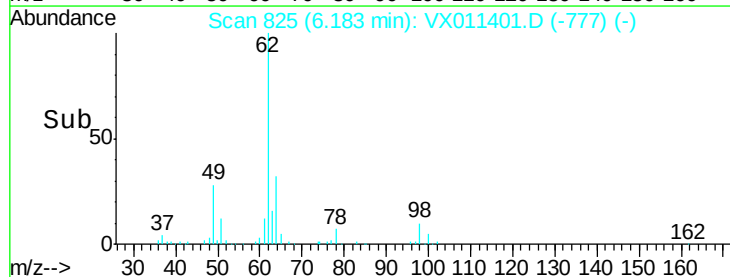
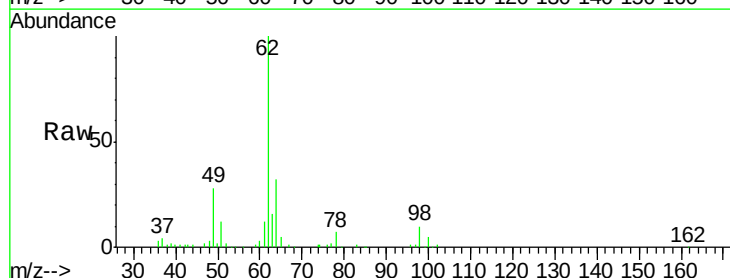
Manual Integrations
APPROVED

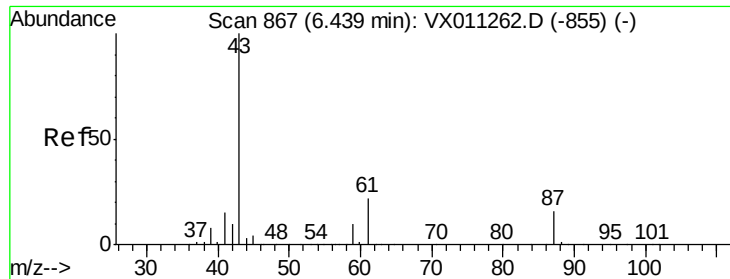
MMDadoda
8/12/2019 12:51:03 PM



#42
1,2-Dichloroethane
Concen: 17.954 ug/l
RT: 6.18 min Scan# 825
Delta R.T. -0.01 min
Lab File: VX011401.D
Acq: 09 Aug 2019 11:48

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	20.6





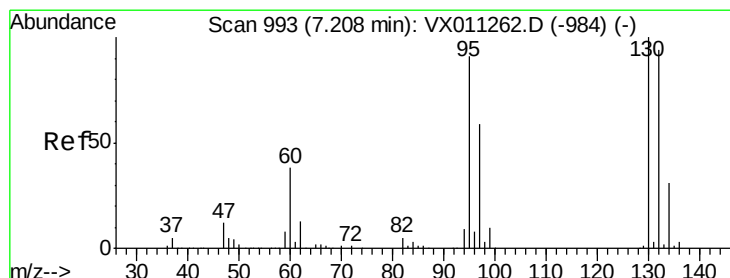
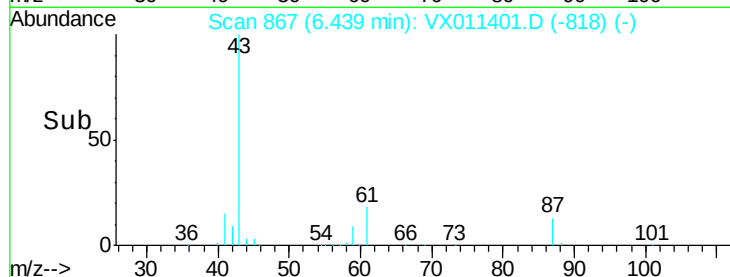
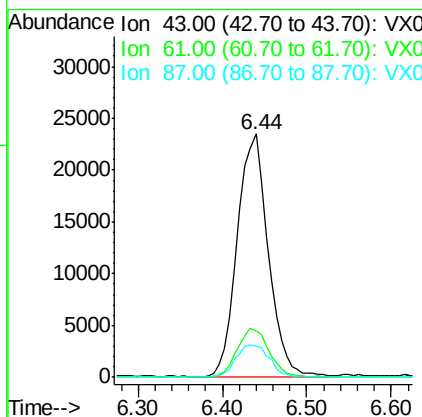
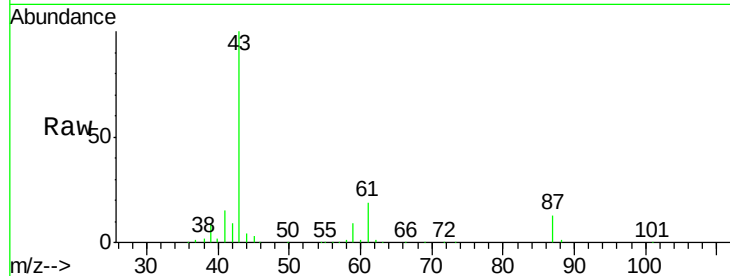
#43
Isopropyl Acetate
Concen: 16.695 ug/l
RT: 6.44 min Scan# 867
Delta R.T. 0.00 min
Lab File: VX011401.D
Acq: 09 Aug 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0809WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.5	24.7
87	14.7	12.1	18.1

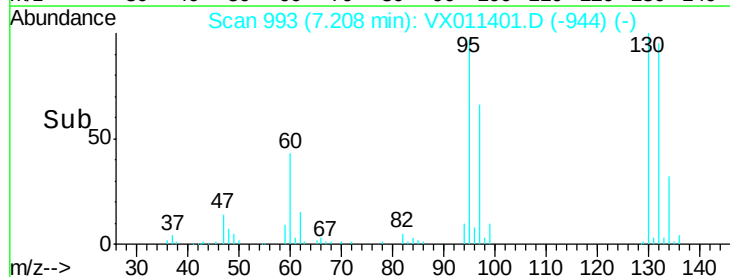
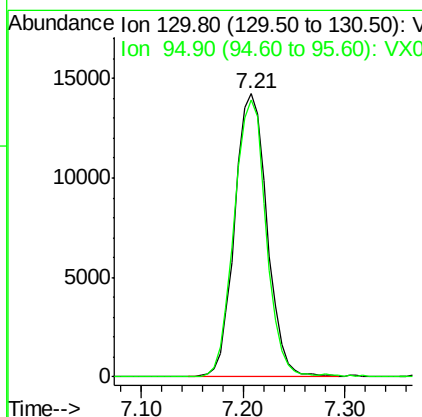
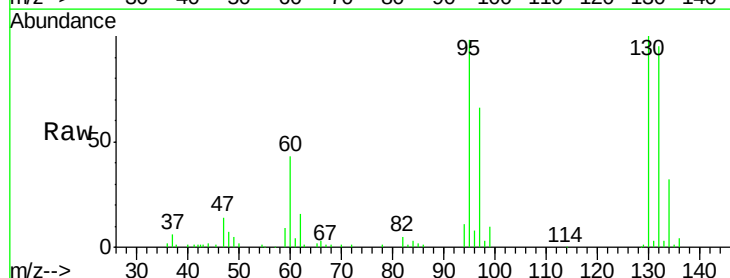
Manual Integrations
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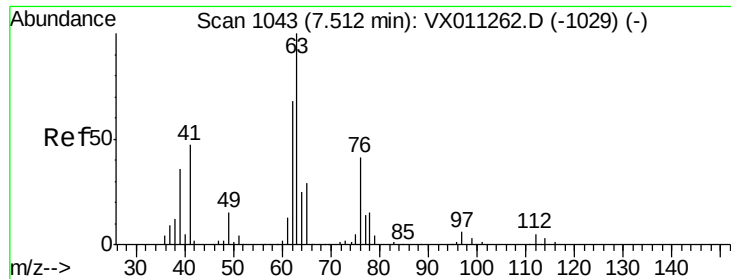
MMDadoda
8/12/2019 12:51:03 PM



#44
Trichloroethene
Concen: 15.752 ug/l
RT: 7.21 min Scan# 993
Delta R.T. 0.00 min
Lab File: VX011401.D
Acq: 09 Aug 2019 11:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	182.6





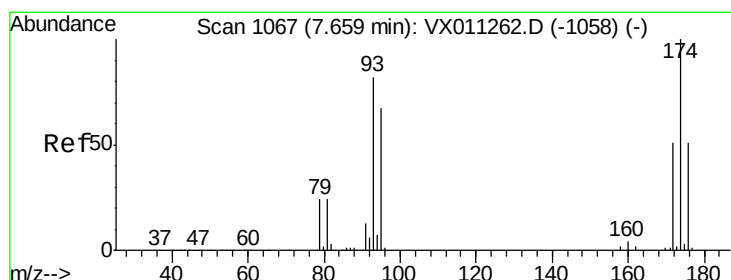
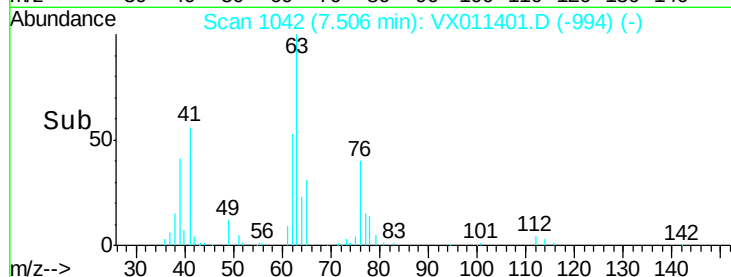
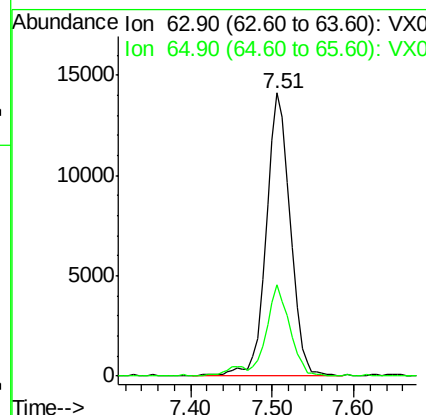
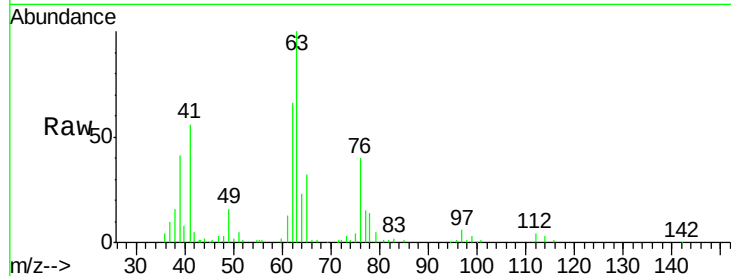
#45
 1,2-Dichloropropane
 Concen: 17.071 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX011401.D
 Acq: 09 Aug 2019 11:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0809WBS01

Tot Ion: 63 Resp: 28975
 Ion Ratio Lower Upper
 63 100
 65 32.1 23.3 34.9

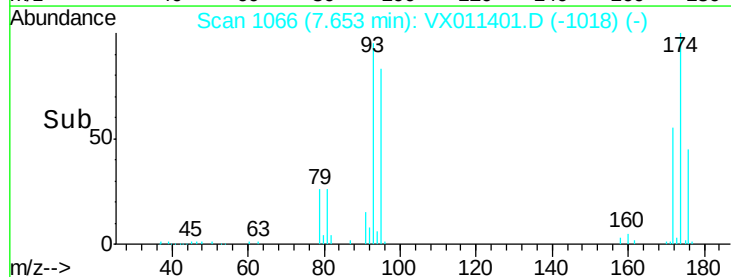
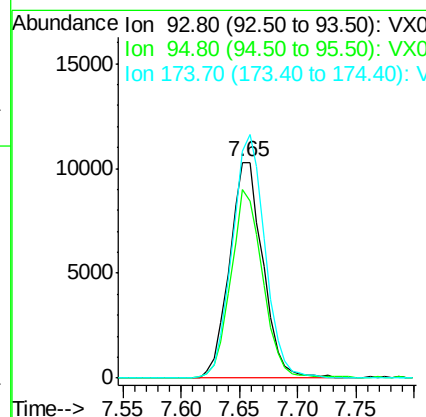
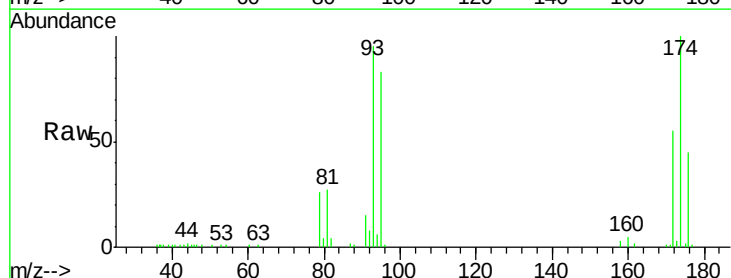
Manual Integrations
 APPROVED

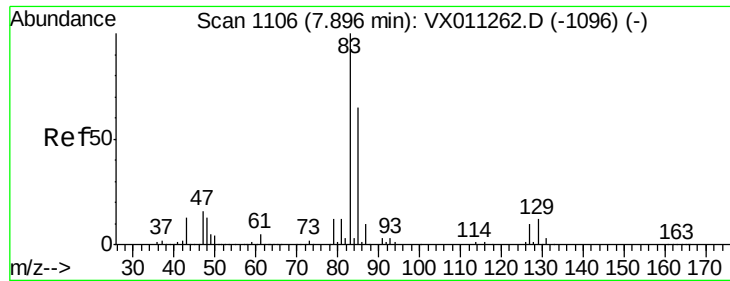
MMDadoda
 8/12/2019 12:51:03 PM



#46
 Dibromomethane
 Concen: 16.636 ug/l
 RT: 7.65 min Scan# 1066
 Delta R.T. -0.01 min
 Lab File: VX011401.D
 Acq: 09 Aug 2019 11:48

Tgt Ion: 93 Resp: 20613
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.4 99.6
 174 110.1 93.4 140.2





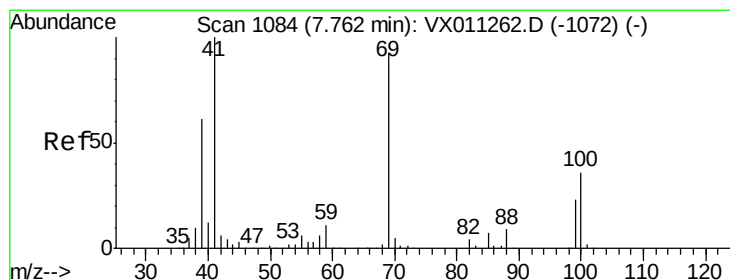
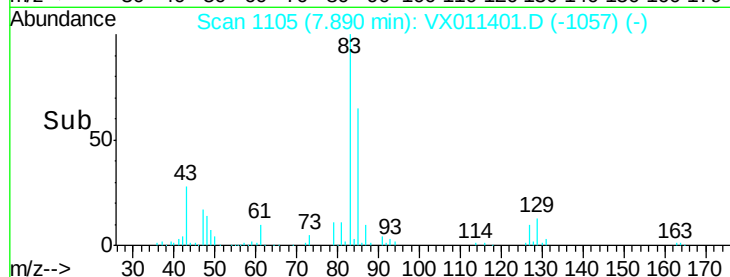
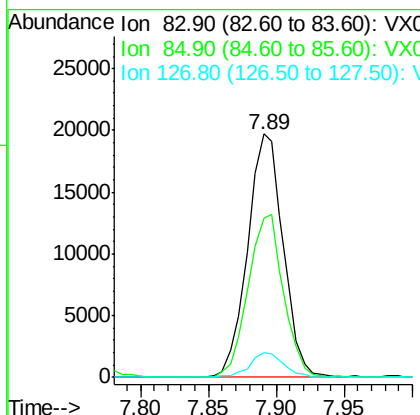
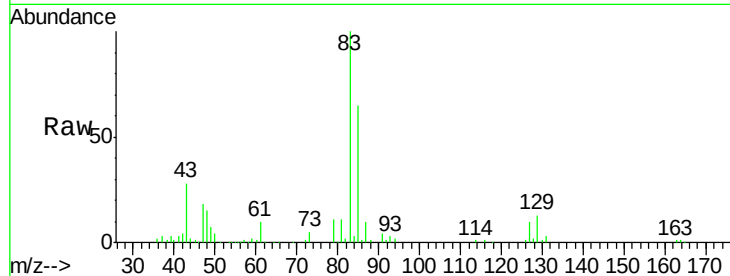
#47
Bromodichloromethane
Concen: 17.210 ug/l
RT: 7.89 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VX011401.D
Acq: 09 Aug 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0809WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.2	78.2
127	10.2	7.8	11.8

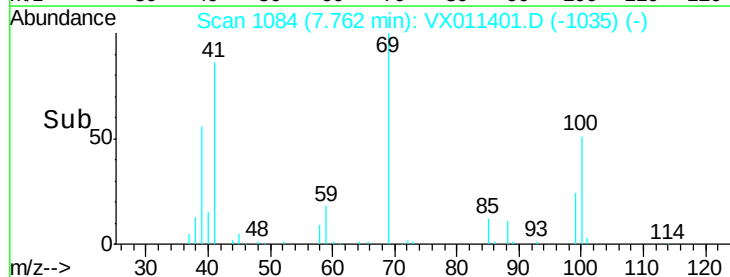
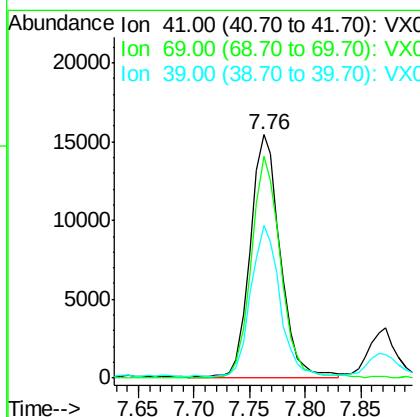
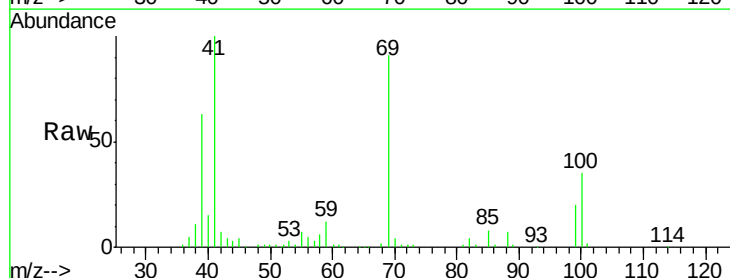
Manual Integrations
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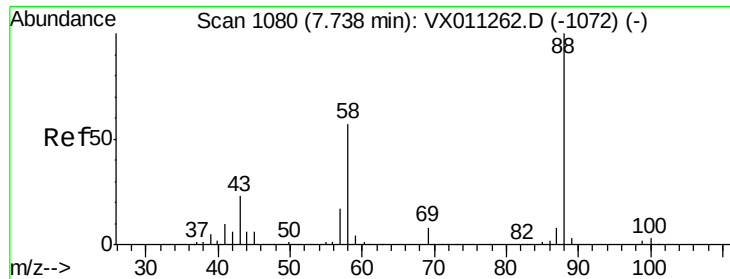
MMDadoda
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#48
Methyl methacrylate
Concen: 17.278 ug/l
RT: 7.76 min Scan# 1084
Delta R.T. 0.00 min
Lab File: VX011401.D
Acq: 09 Aug 2019 11:48

Tgt Ion	Ratio	Lower	Upper
41	100		
69	90.4	74.5	111.7
39	61.2	48.6	72.8





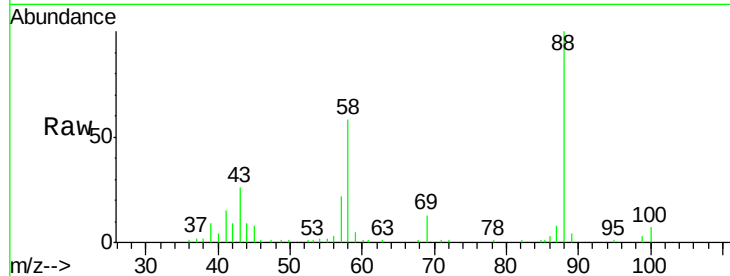
#49
1,4-Dioxane
Concen: 319.709 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX011401.D
Acq: 09 Aug 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0809WBS01

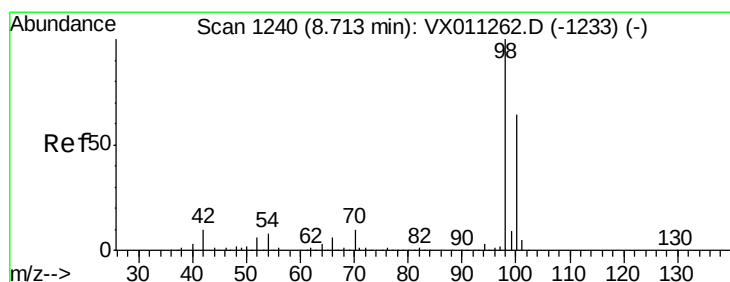
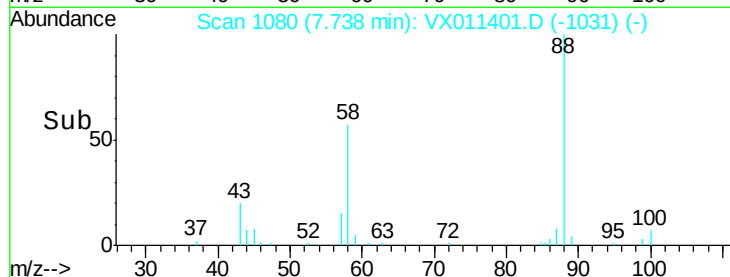
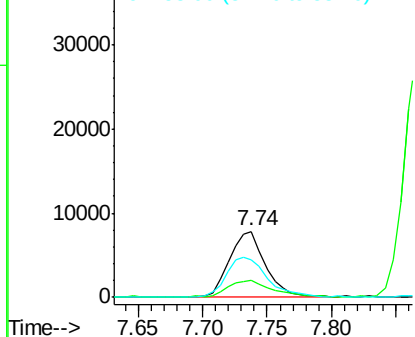
Tot Ion	Ratio	Lower	Upper
88	100		
43	33.1	22.2	33.2
58	69.2	47.8	71.8

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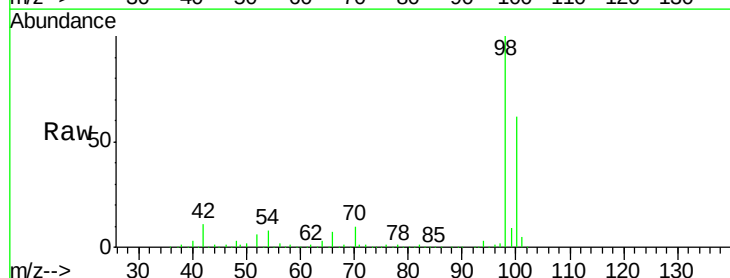


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

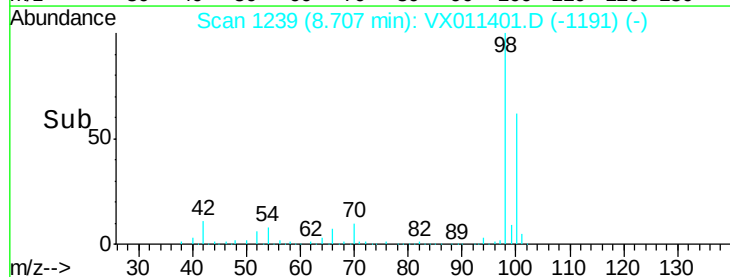
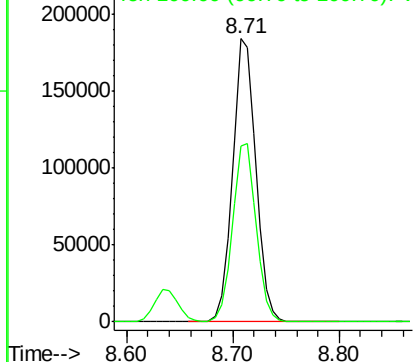


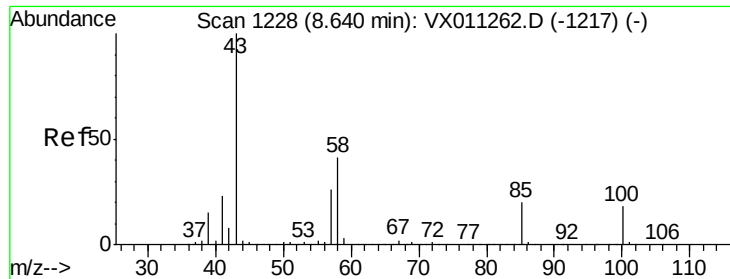
#50
Toluene-d8
Concen: 45.426 ug/l
RT: 8.71 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VX011401.D
Acq: 09 Aug 2019 11:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.7	77.5



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





#51

4-Methyl-2-Pentanone

Concen: 87.562 ug/l

RT: 8.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VX011401.D

Acq: 09 Aug 2019 11:48

Instrument :

MSVOA_X

ClientSampled :

VX0809WBS01

Tot Ion: 43 Resp: 199028

Ion Ratio Lower Upper

43 100

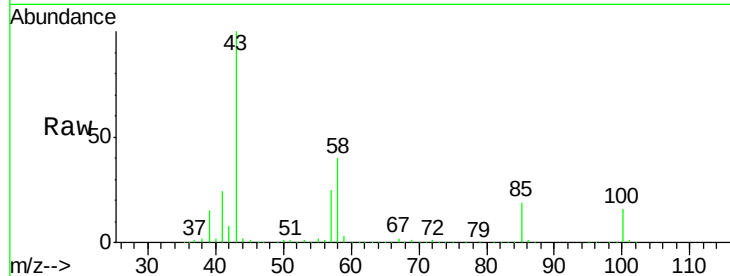
58 40.3 32.3 48.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.63

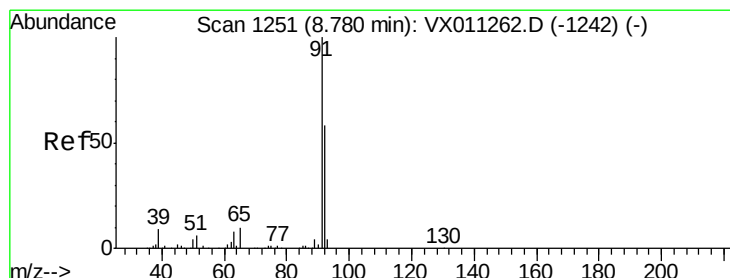
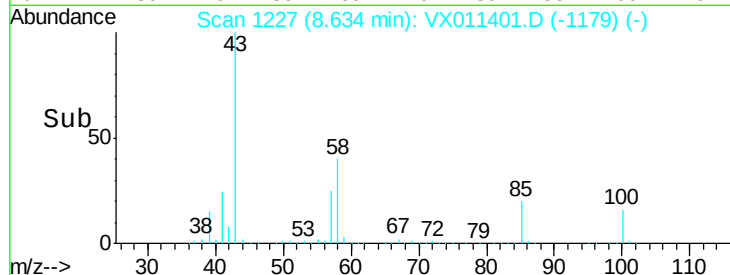
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 16.801 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011401.D

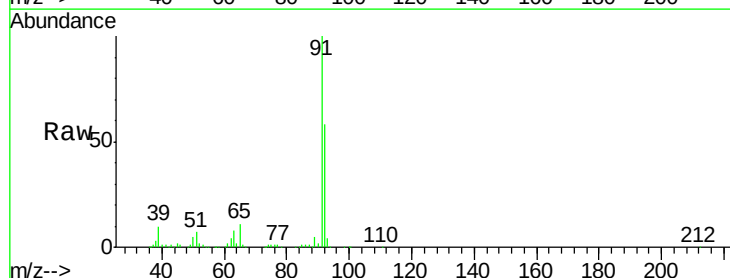
Acq: 09 Aug 2019 11:48

Tgt Ion: 92 Resp: 72800

Ion Ratio Lower Upper

92 100

91 174.2 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

80000

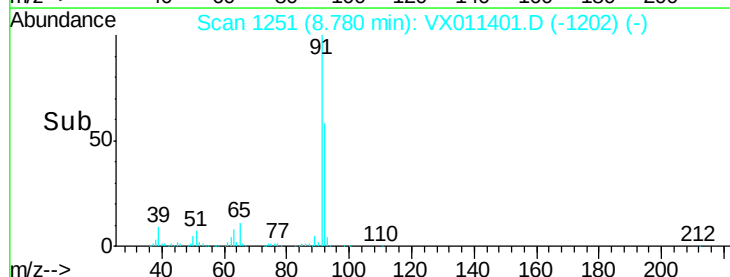
60000

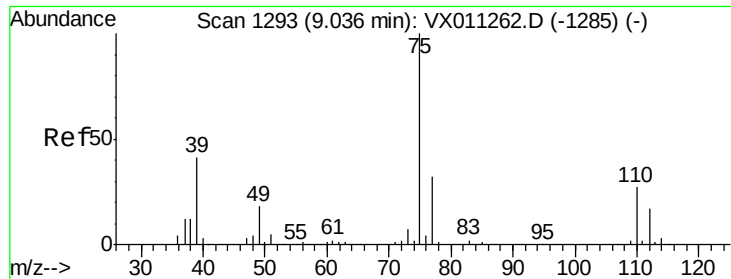
40000

20000

0

Time-->





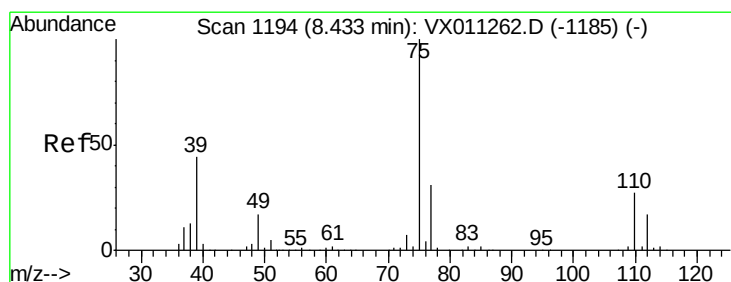
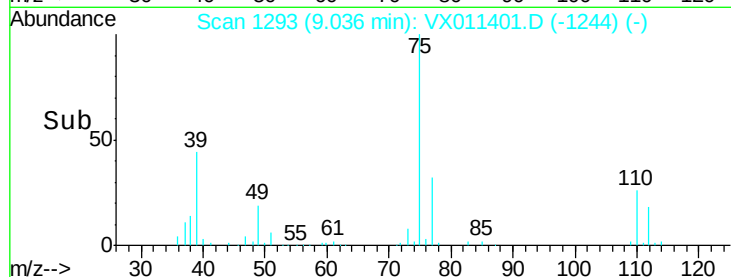
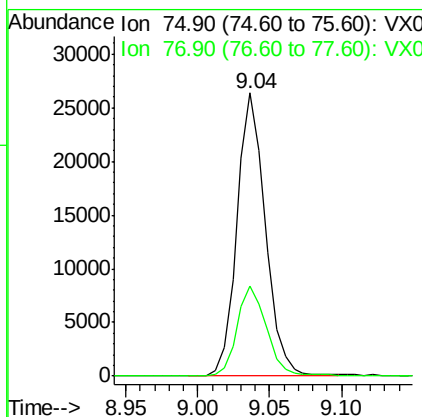
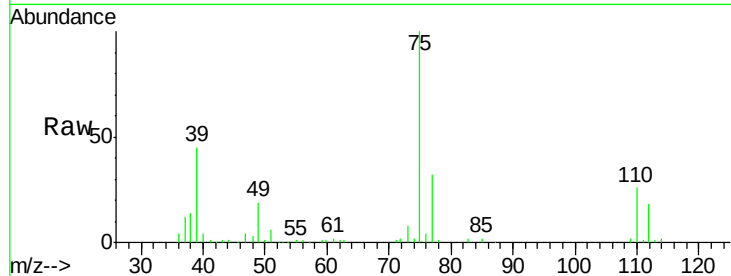
#53
 t-1,3-Dichloropropene
 Concen: 16.877 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. 0.00 min
 Lab File: VX011401.D
 Acq: 09 Aug 2019 11:48

Instrument :
 MSVOA_X
 ClientSampled :
 VX0809WBS01

Tot Ion: 75 Resp: 36361
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.4 38.0

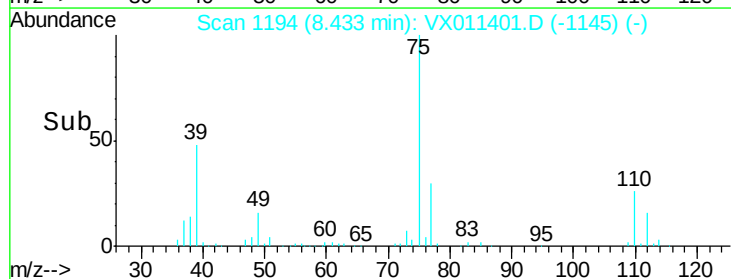
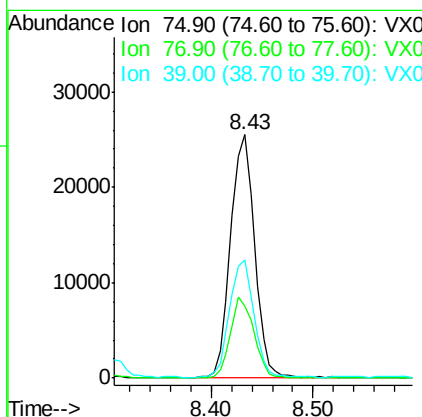
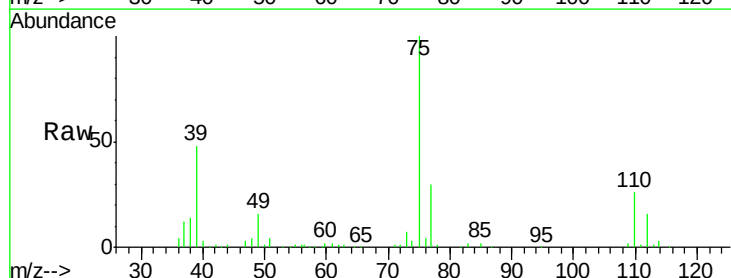
Manual Integrations
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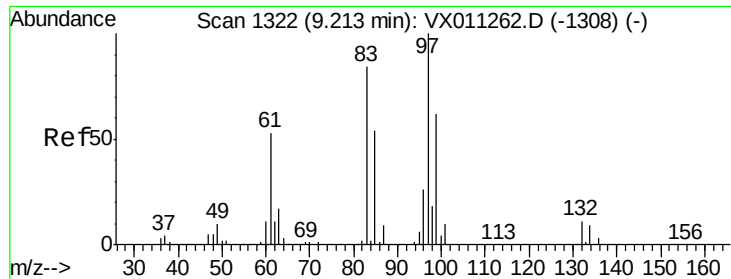
MMDadoda
 8/12/2019 12:51:03 PM



#54
 cis-1,3-Dichloropropene
 Concen: 16.995 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX011401.D
 Acq: 09 Aug 2019 11:48

Tgt Ion: 75 Resp: 41647
 Ion Ratio Lower Upper
 75 100
 77 29.8 25.0 37.6
 39 48.1 35.3 52.9





#55

1,1,2-Trichloroethane

Concen: 17.167 ug/l

RT: 9.21 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VX011401.D

Acq: 09 Aug 2019 11:48

Instrument :

MSVOA_X

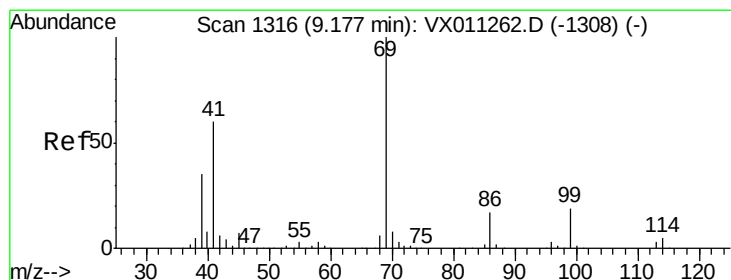
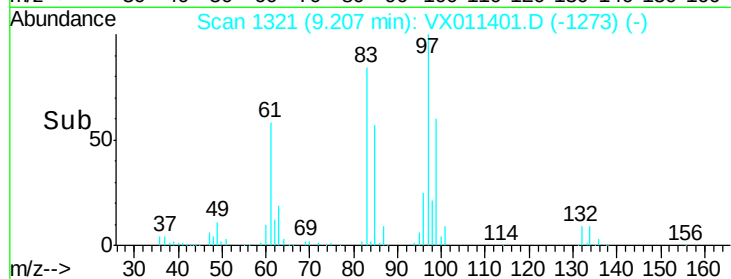
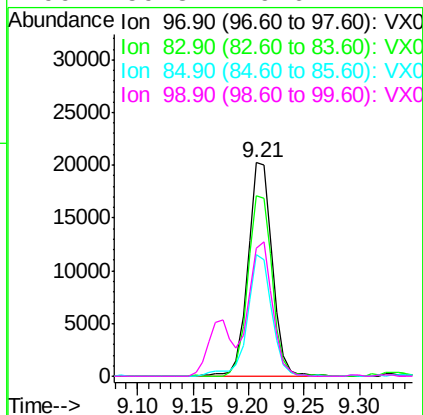
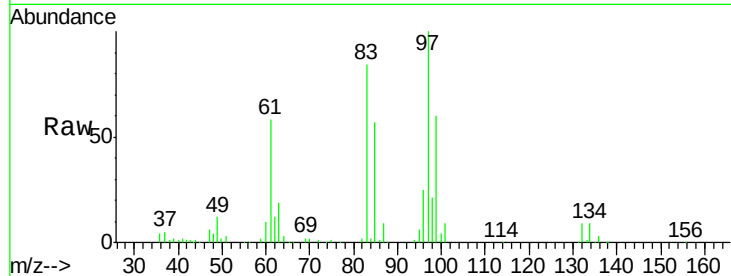
ClientSampleId :

VX0809WBS01

Tot Ion:	97	Resp:	30584
Ion	Ratio	Lower	Upper
97	100		
83	84.2	67.6	101.4
85	56.8	43.4	65.0
99	59.8	49.6	74.4

Manual Integrations
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#56

Ethyl methacrylate

Concen: 16.825 ug/l

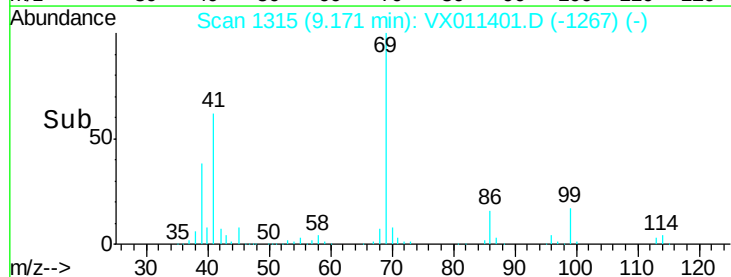
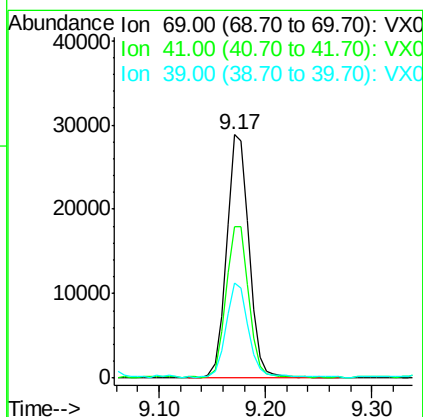
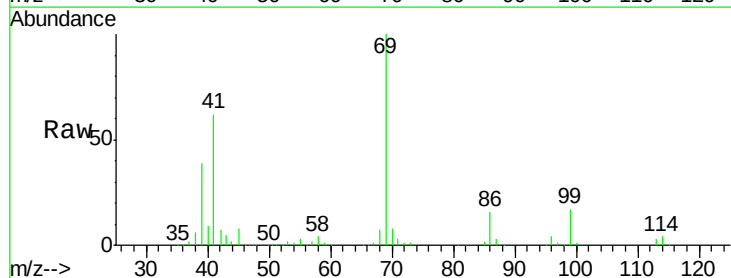
RT: 9.17 min Scan# 1315

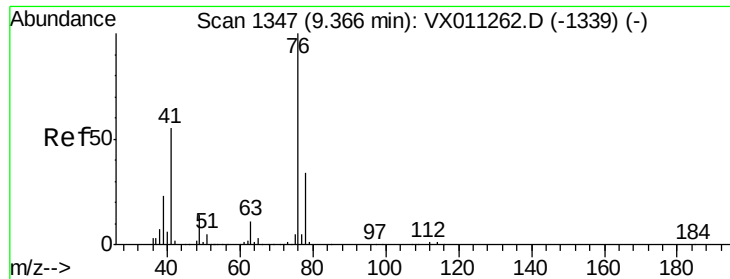
Delta R.T. -0.01 min

Lab File: VX011401.D

Acq: 09 Aug 2019 11:48

Tgt Ion:	69	Resp:	42717
Ion	Ratio	Lower	Upper
69	100		
41	62.5	48.6	73.0
39	38.5	29.4	44.2





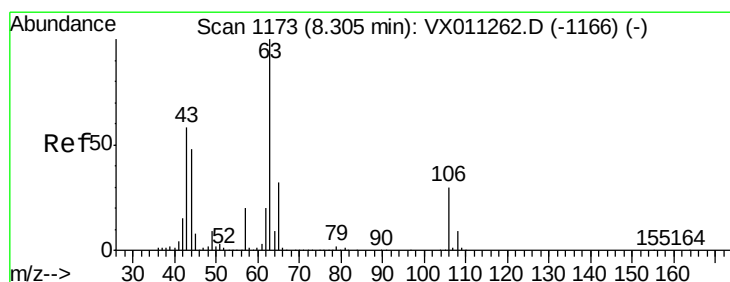
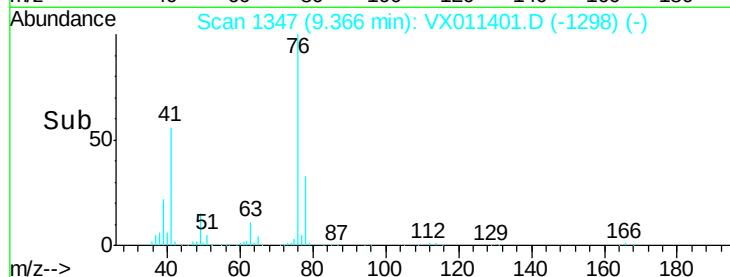
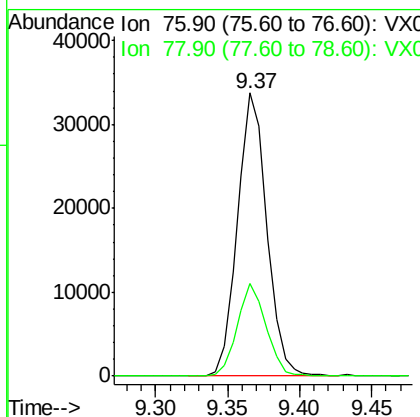
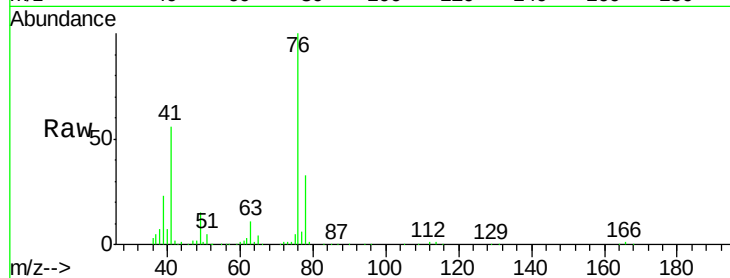
#57
 1,3-Dichloropropane
 Concen: 16.972 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VX011401.D
 Acq: 09 Aug 2019 11:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0809WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.6	40.0

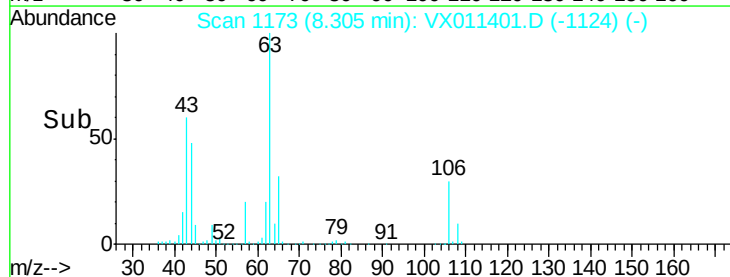
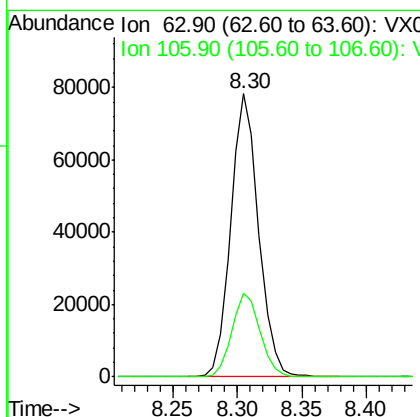
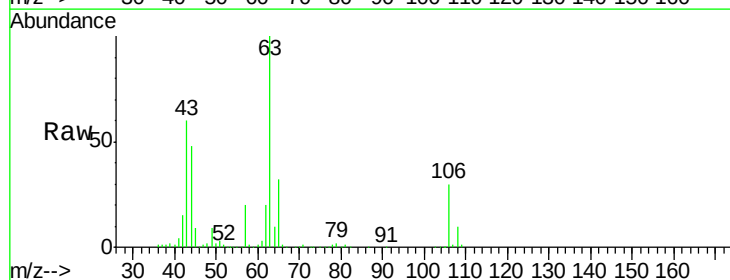
Manual Integrations
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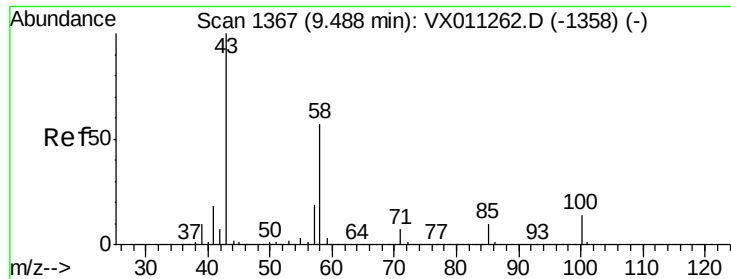
MMDadoda
 8/12/2019 12:51:03 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.521 ug/l
 RT: 8.30 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VX011401.D
 Acq: 09 Aug 2019 11:48

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.9	24.4	36.6





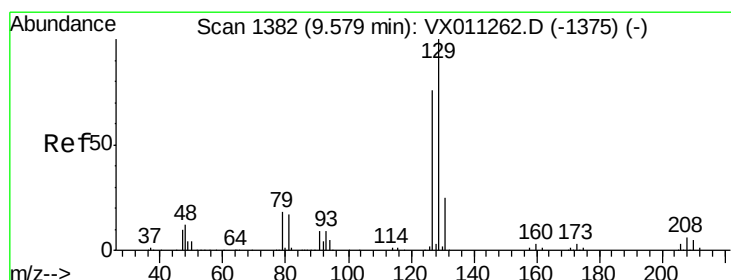
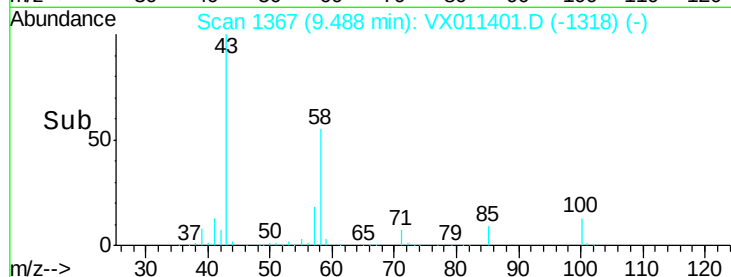
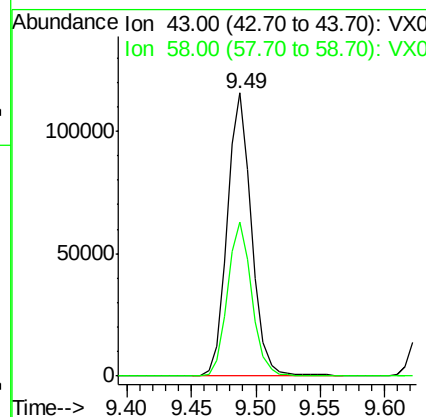
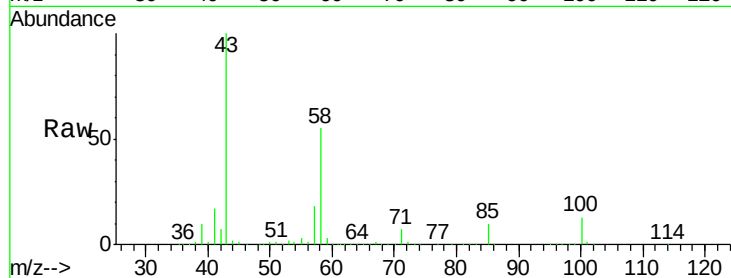
#59
2-Hexanone
Concen: 87.030 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011401.D
Acq: 09 Aug 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0809WBS01

Tot Ion: 43 Resp: 153224
Ion Ratio Lower Upper
43 100
58 54.8 28.2 84.6

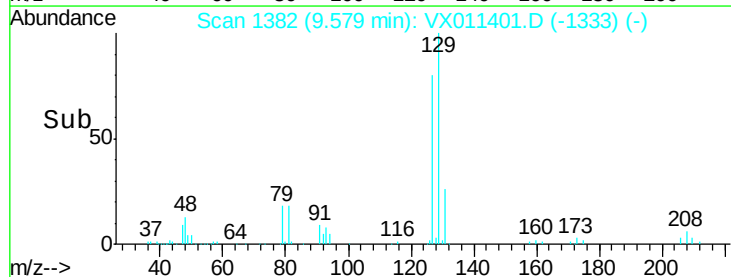
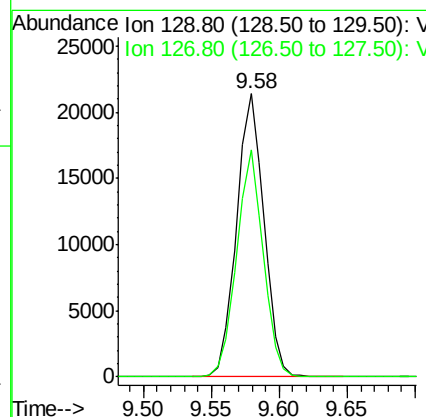
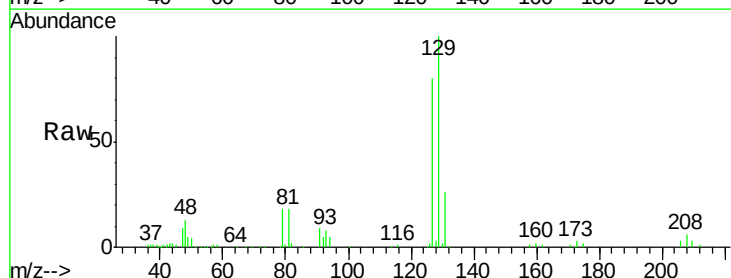
Manual Integrations
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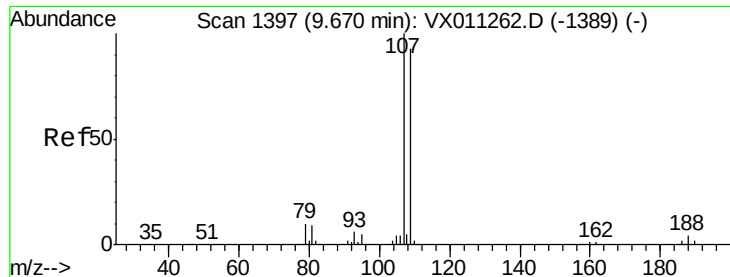
MMDadoda
8/12/2019 12:51:03 PM



#60
Dibromochloromethane
Concen: 16.458 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011401.D
Acq: 09 Aug 2019 11:48

Tgt Ion: 129 Resp: 30020
Ion Ratio Lower Upper
129 100
127 77.7 39.2 117.6





#61

1,2-Dibromoethane

Concen: 16.626 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011401.D

Acq: 09 Aug 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0809WBS01

Tot Ion:107 Resp: 32002

Ion Ratio Lower Upper

107 100

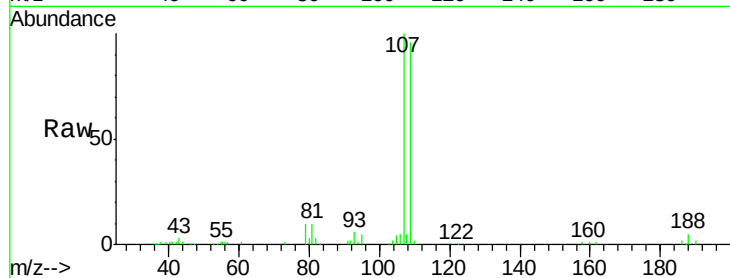
109 93.8 76.6 114.8

Manual Integrations

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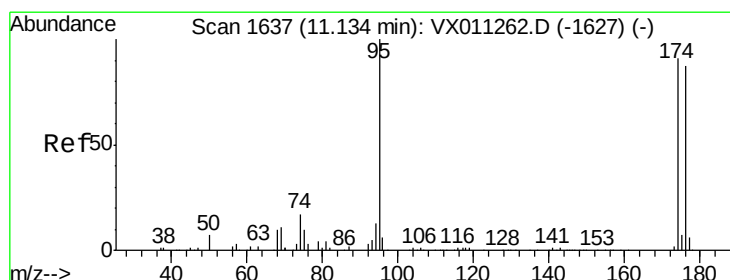
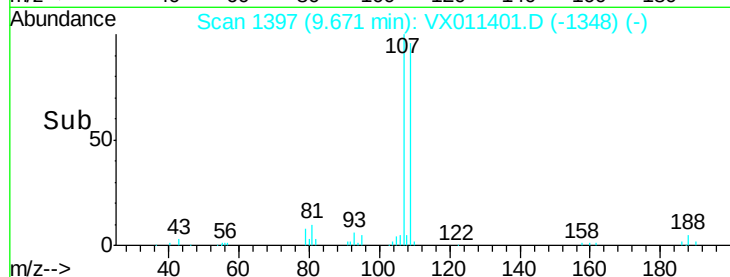
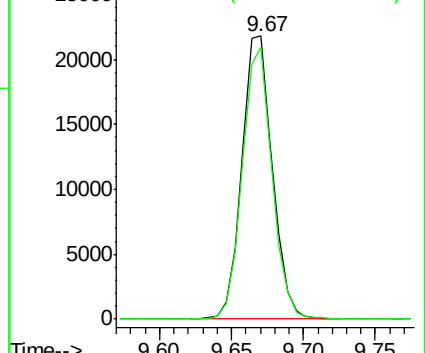
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.793 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011401.D

Acq: 09 Aug 2019 11:48

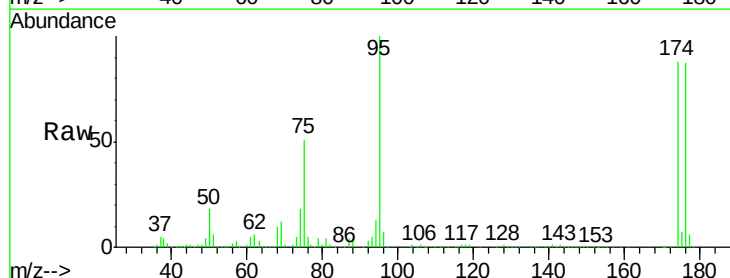
Tgt Ion: 95 Resp: 103566

Ion Ratio Lower Upper

95 100

174 89.4 0.0 191.2

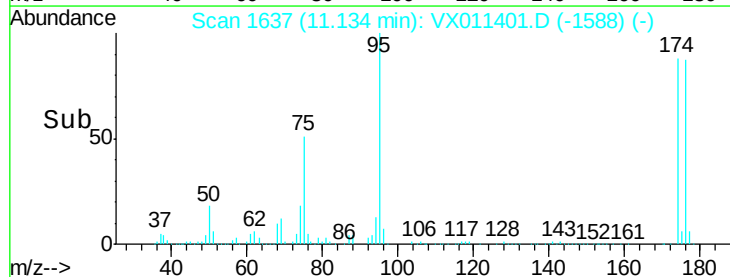
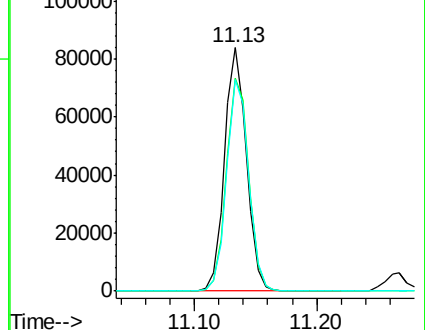
176 87.5 0.0 184.8

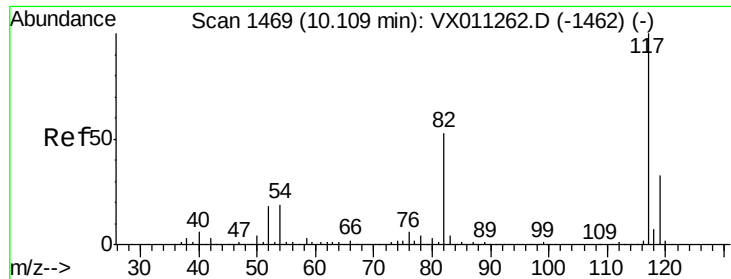


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





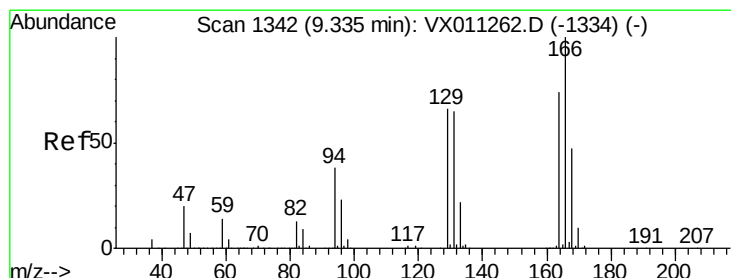
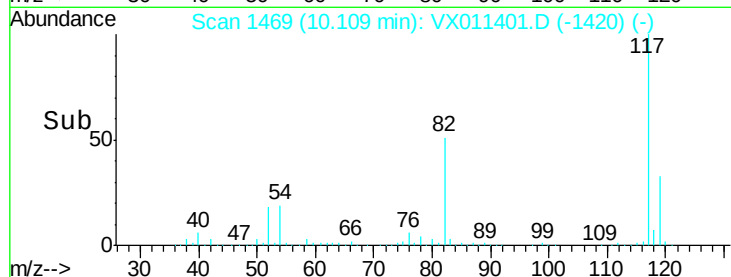
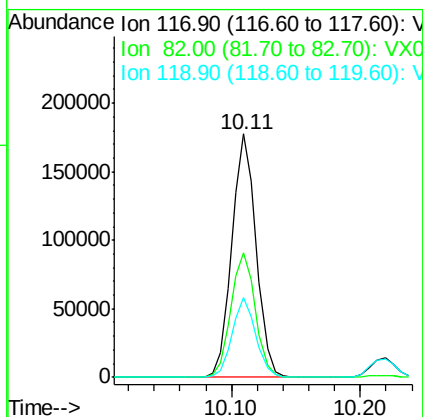
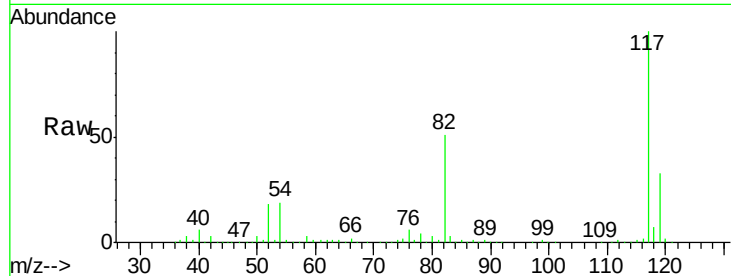
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011401.D
Acq: 09 Aug 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0809WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	233620		
82	51.3	42.2	63.2	
119	32.8	26.6	39.8	

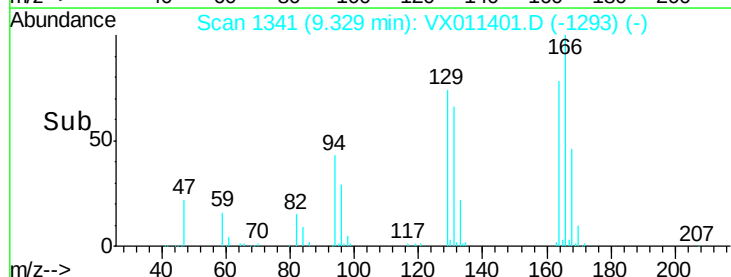
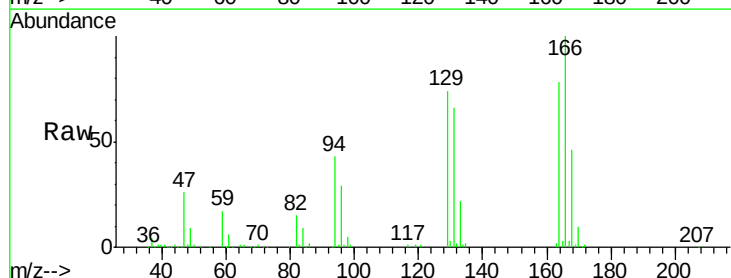
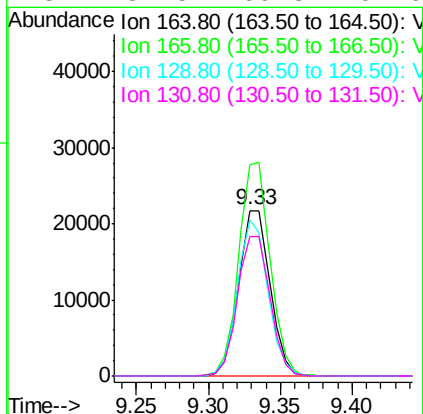
Manual Integrations
APPROVED

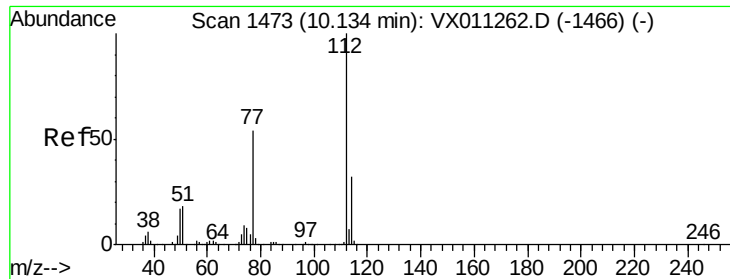
MMDadoda
8/12/2019 12:51:03 PM



#64
Tetrachloroethene
Concen: 16.665 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX011401.D
Acq: 09 Aug 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	33063		
166	127.4	107.5	161.3	
129	94.2	71.0	106.4	
131	84.5	69.8	104.6	





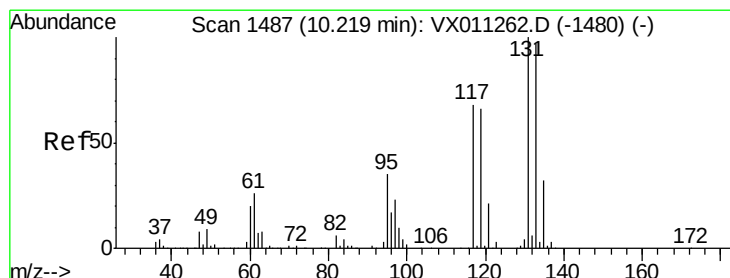
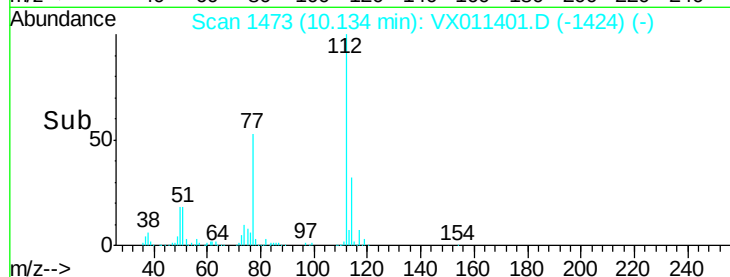
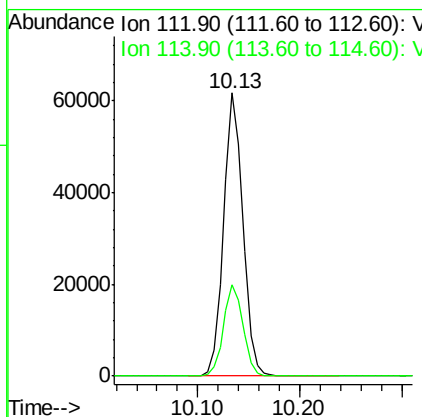
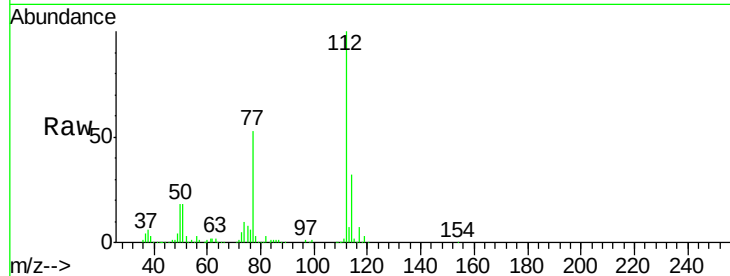
#65
Chlorobenzene
Concen: 16.250 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011401.D
Acq: 09 Aug 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0809WBS01

Tot Ion:112 Resp: 81397
Ion Ratio Lower Upper
112 100
114 32.3 25.9 38.9

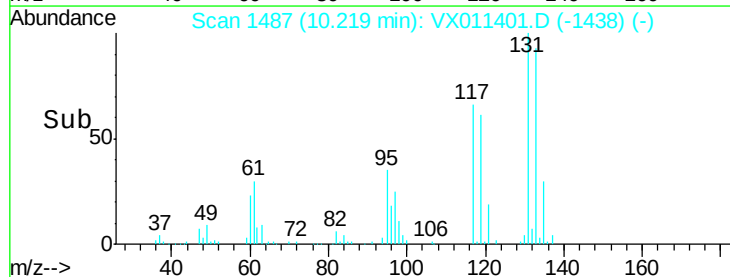
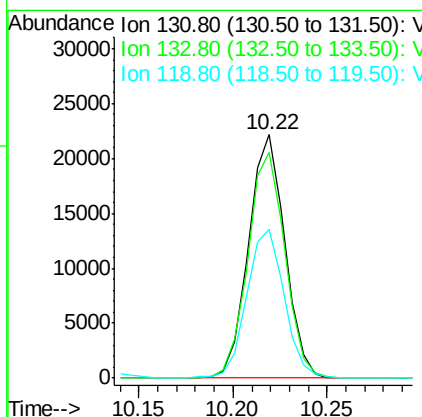
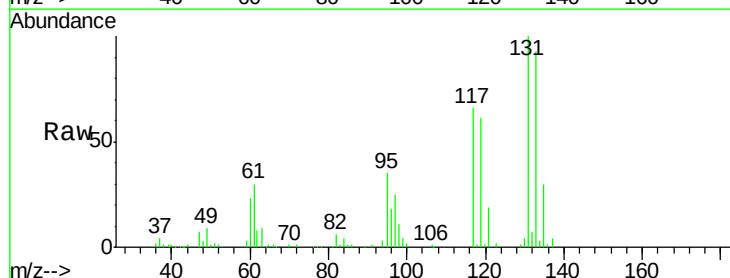
Manual Integrations
APPROVED

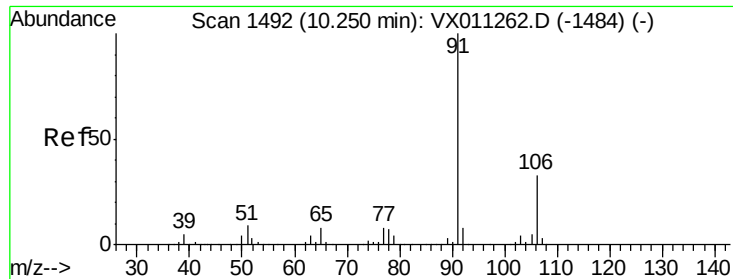
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#66
1,1,1,2-Tetrachloroethane
Concen: 17.251 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011401.D
Acq: 09 Aug 2019 11:48

Tgt Ion:131 Resp: 29583
Ion Ratio Lower Upper
131 100
133 95.0 47.7 143.1
119 63.2 32.8 98.3





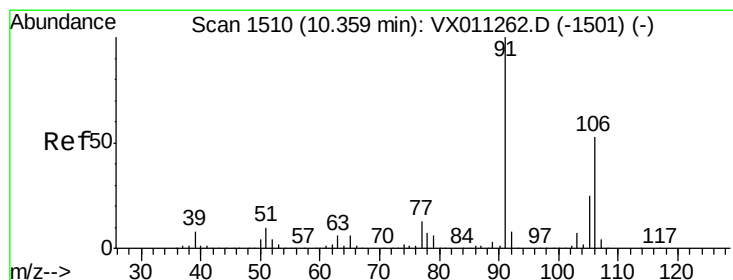
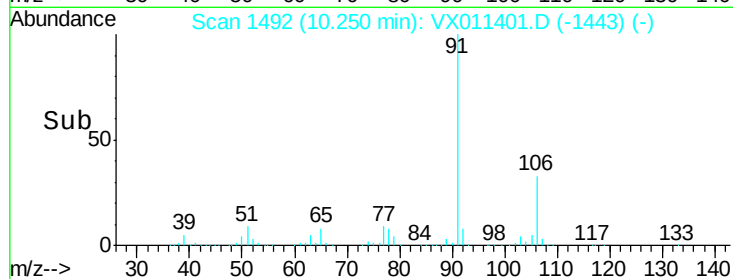
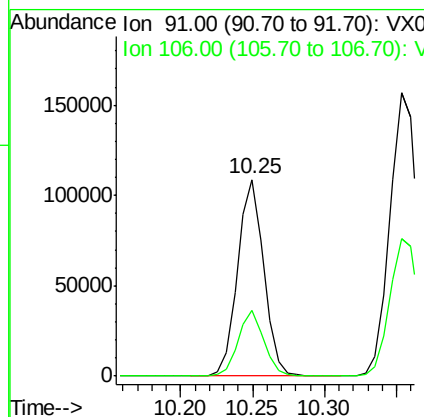
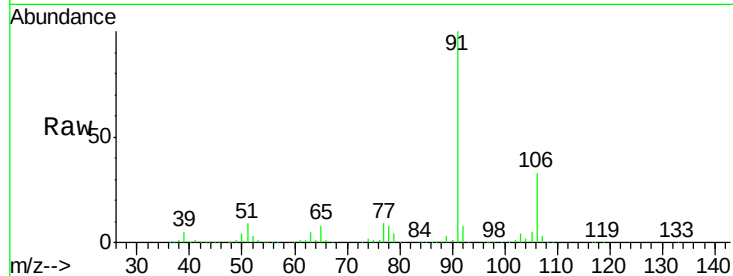
#67
Ethyl Benzene
Concen: 16.487 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011401.D
Acq: 09 Aug 2019 11:48

Instrument :
MSVOA_X
ClientSampled :
VX0809WBS01

Tot Ion: 91 Resp: 138311
Ion Ratio Lower Upper
91 100
106 33.3 26.2 39.4

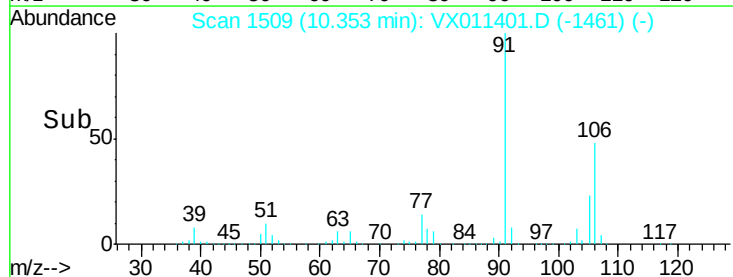
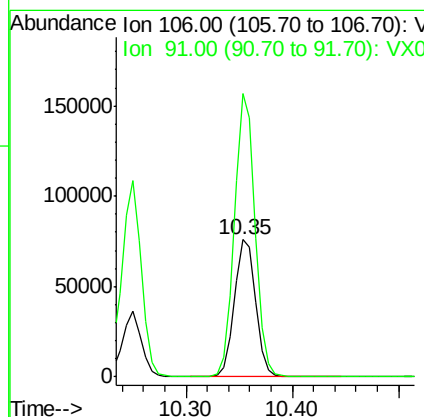
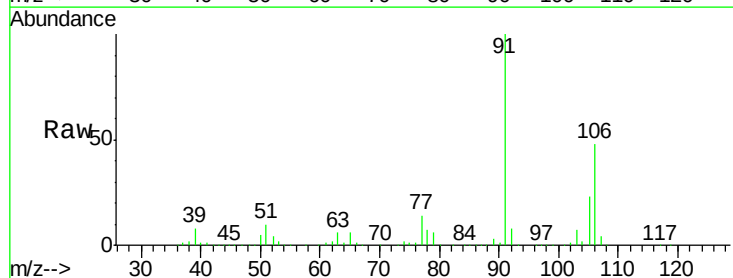
Manual Integrations
APPROVED

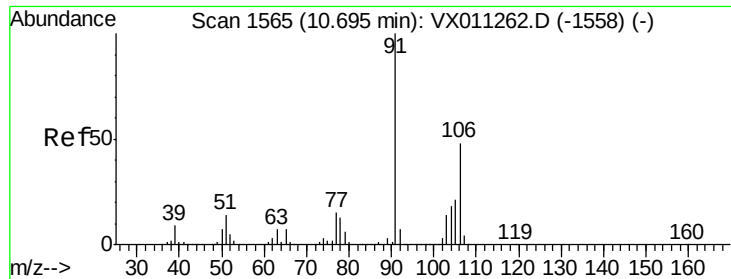
MMDadoda
8/12/2019 12:51:03 PM



#68
m/p-Xylenes
Concen: 32.919 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX011401.D
Acq: 09 Aug 2019 11:48

Tgt Ion: 106 Resp: 106817
Ion Ratio Lower Upper
106 100
91 199.3 155.9 233.9





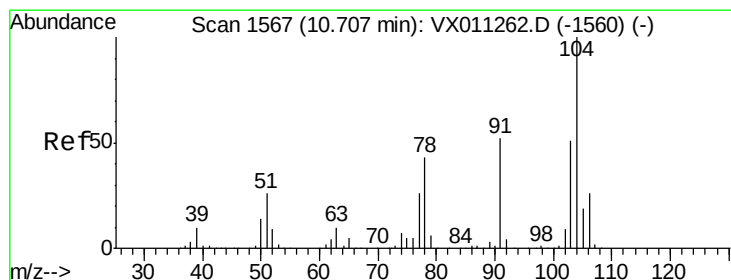
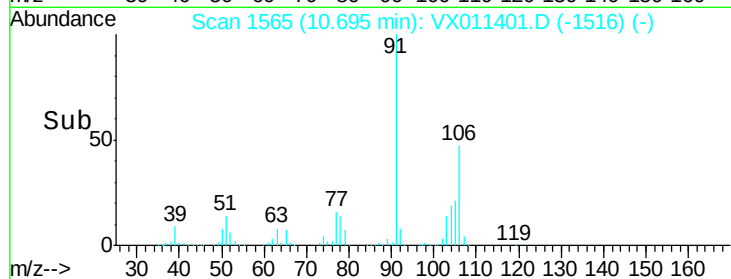
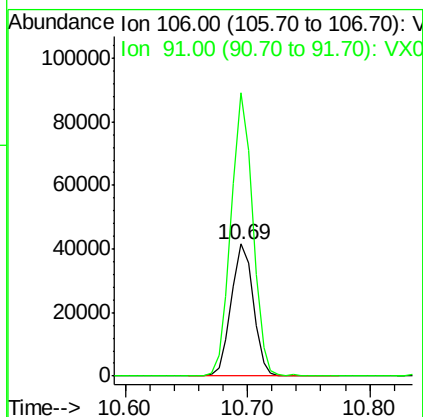
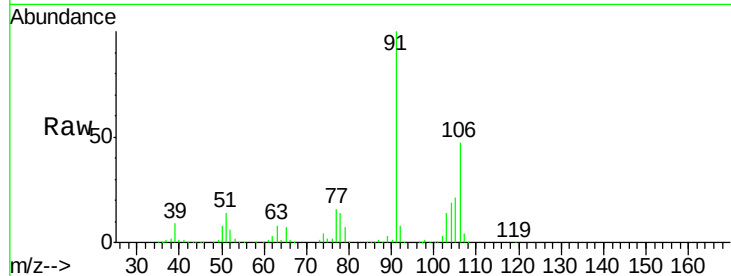
#69
o-Xylene
Concen: 16.257 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011401.D
Acq: 09 Aug 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0809WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		51832		
91	210.0	103.8	311.3		

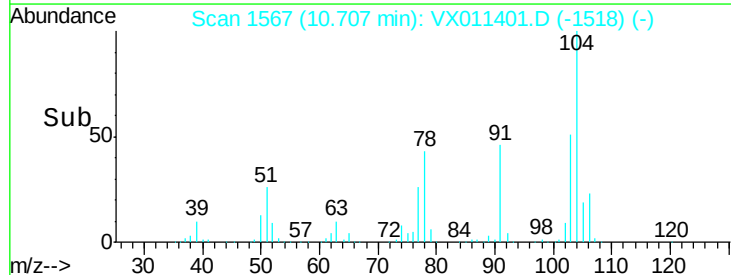
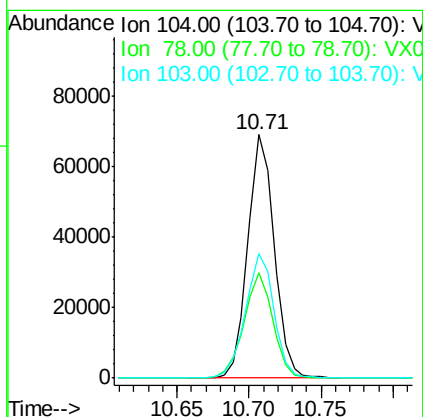
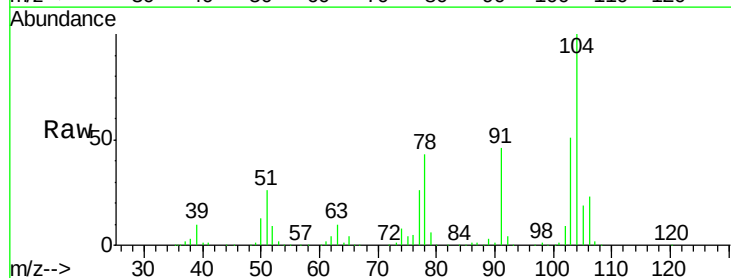
Manual Integrations
APPROVED

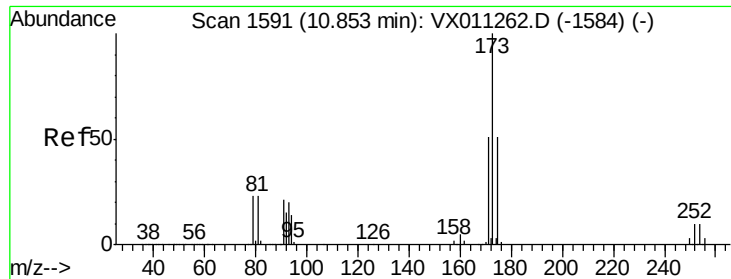
MMDadoda
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#70
Styrene
Concen: 16.585 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011401.D
Acq: 09 Aug 2019 11:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		87489		
78	47.9	36.9	55.3		
103	55.7	44.4	66.6		





#71

Bromoform

Concen: 16.235 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011401.D

Acq: 09 Aug 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0809WBS01

Tot Ion:173 Resp: 21780

Ion Ratio Lower Upper

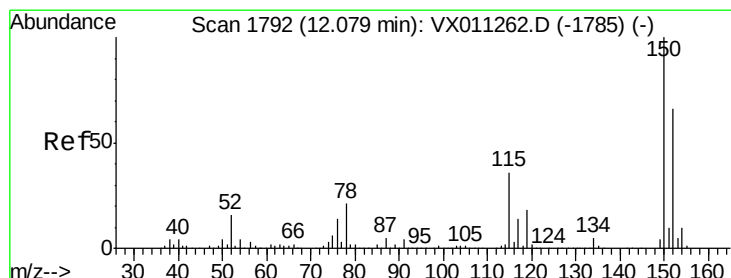
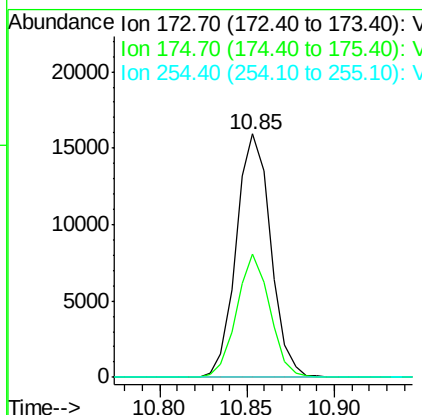
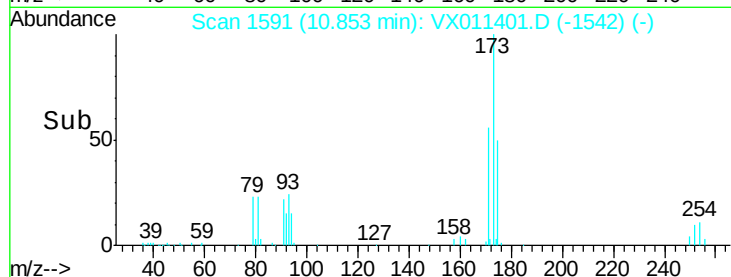
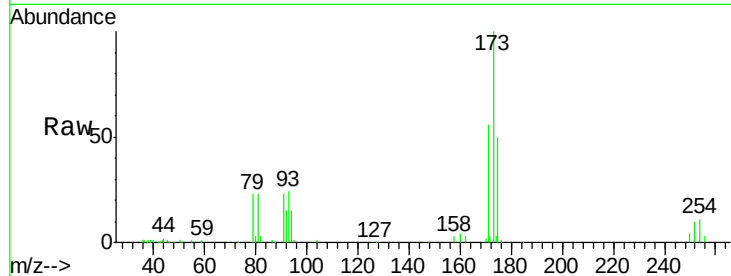
173 100

175 48.9 24.4 73.4

254 0.0 0.2 0.2#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX011401.D

Acq: 09 Aug 2019 11:48

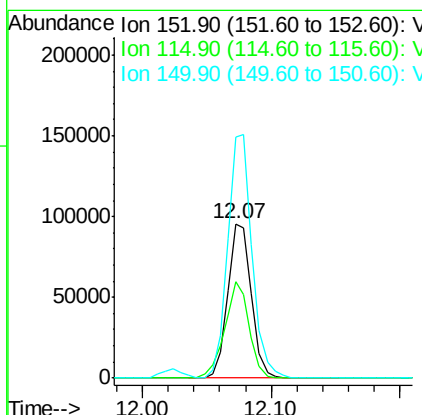
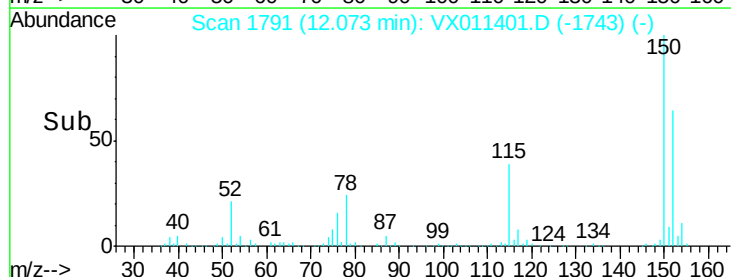
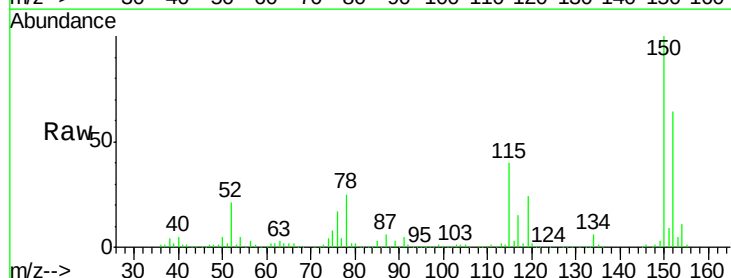
Tgt Ion:152 Resp: 122403

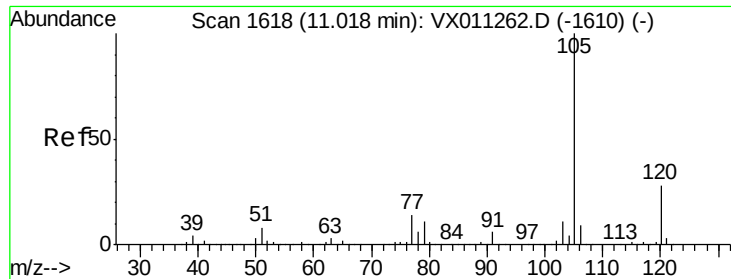
Ion Ratio Lower Upper

152 100

115 64.5 40.0 119.9

150 163.1 0.0 350.4





#73

Isopropylbenzene

Concen: 16.905 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011401.D

Acq: 09 Aug 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0809WBS01

Tot Ion: 105 Resp: 141521

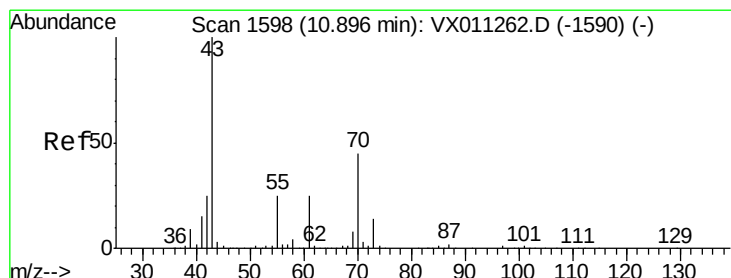
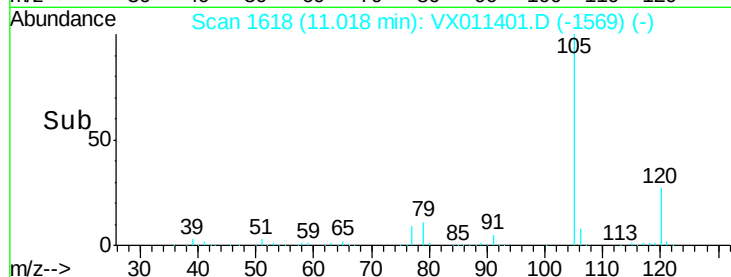
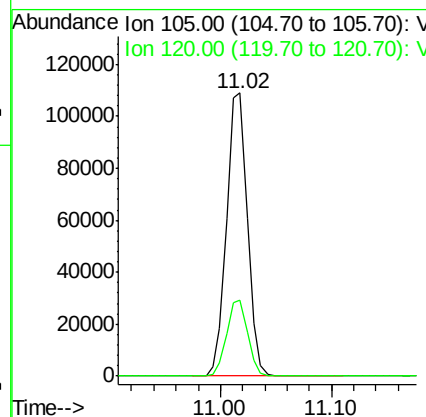
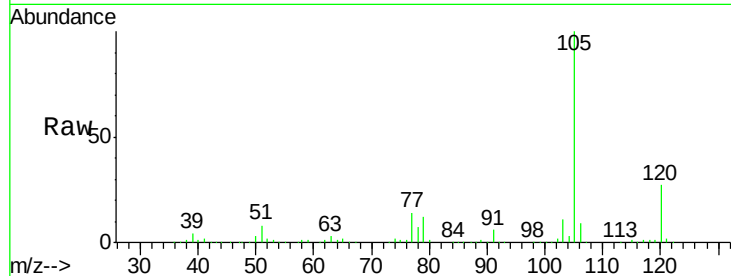
Ion Ratio Lower Upper

105 100

120 27.0 13.7 41.1

Manual Integrations
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#74

N-ethyl acetate

Concen: 17.212 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011401.D

Acq: 09 Aug 2019 11:48

Tgt Ion: 43 Resp: 52065

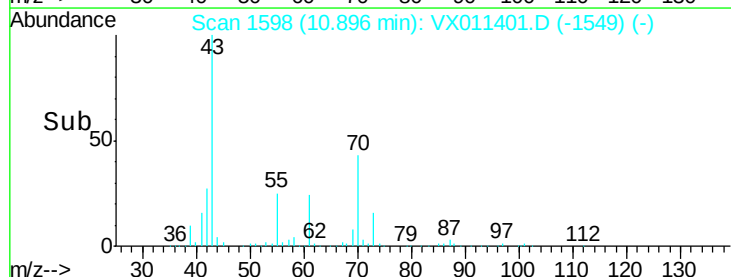
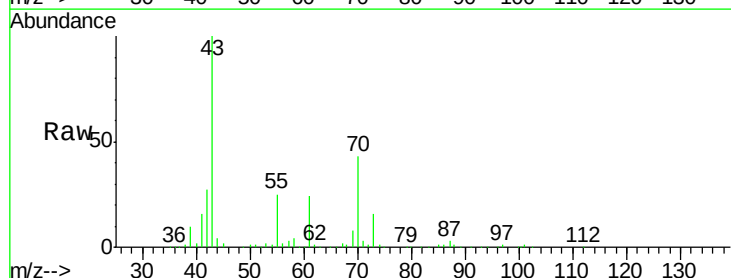
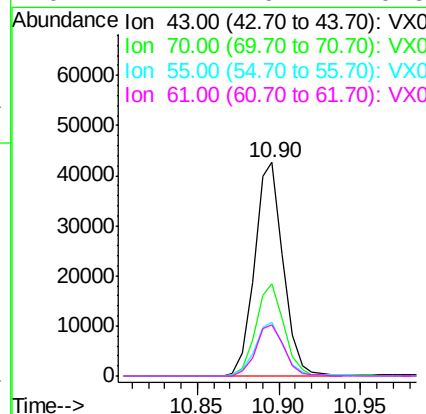
Ion Ratio Lower Upper

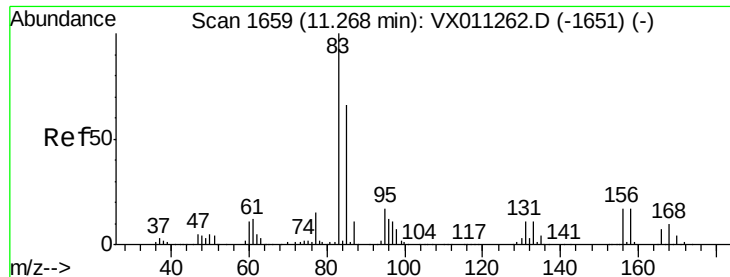
43 100

70 42.8 35.9 53.9

55 26.1 19.8 29.6

61 24.2 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 16.907 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX011401.D

Acq: 09 Aug 2019 11:48

Instrument :

MSVOA_X

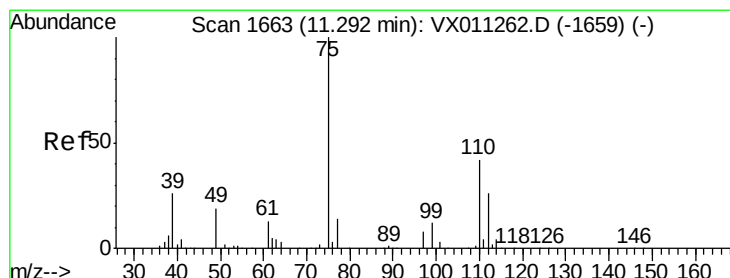
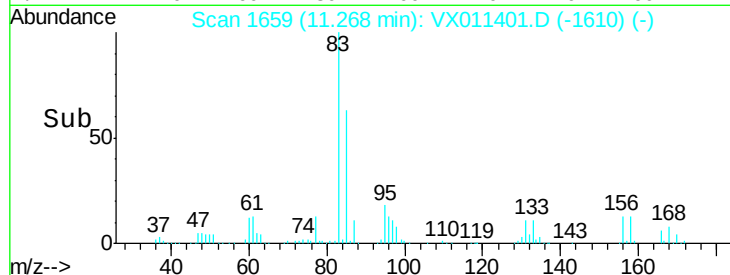
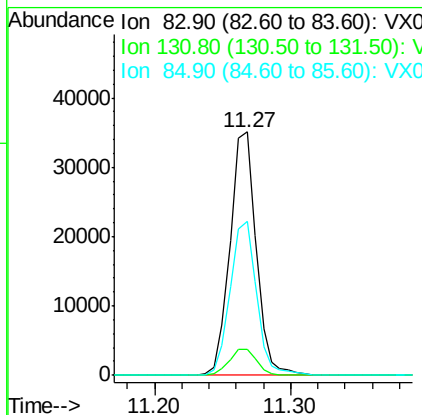
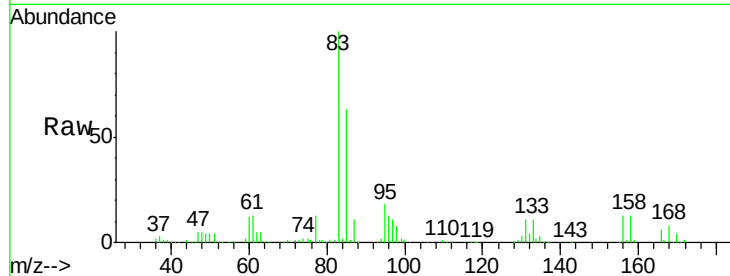
ClientSampleId :

VX0809WBS01

Tot Ion:	83	Resp:	47168
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.6	16.8
85	64.1	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.817 ug/l m

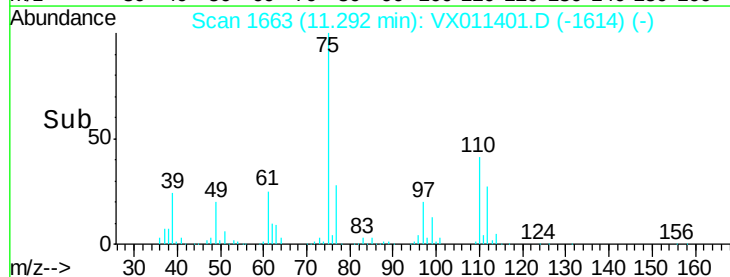
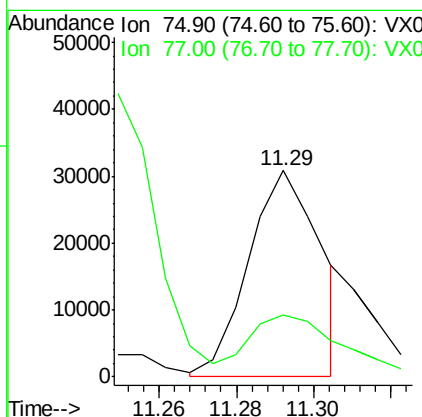
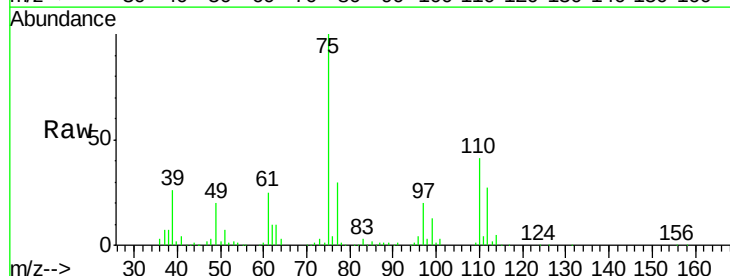
RT: 11.29 min Scan# 1663

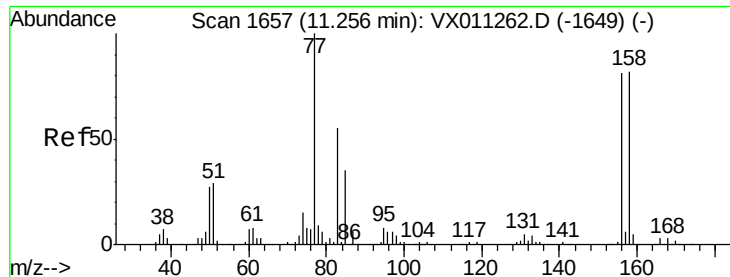
Delta R.T. 0.00 min

Lab File: VX011401.D

Acq: 09 Aug 2019 11:48

Tgt Ion:	75	Resp:	39717
Ion Ratio	Lower	Upper	
75	100		
77	39.2	21.1	63.4





#77

Bromobenzene

Concen: 16.268 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011401.D

Acq: 09 Aug 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0809WBS01

Tot Ion:156 Resp: 37764

Ion Ratio Lower Upper

156 100

77 140.6 66.2 198.6

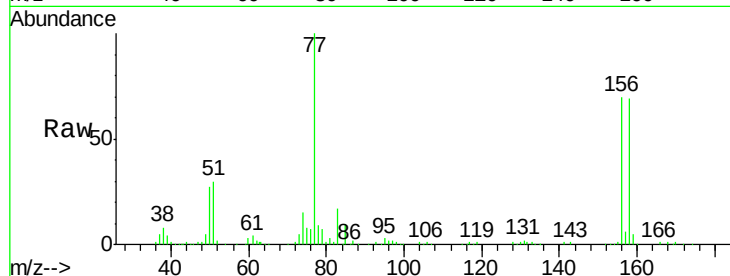
158 102.7 49.1 147.3

Manual Integrations

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MMDadoda

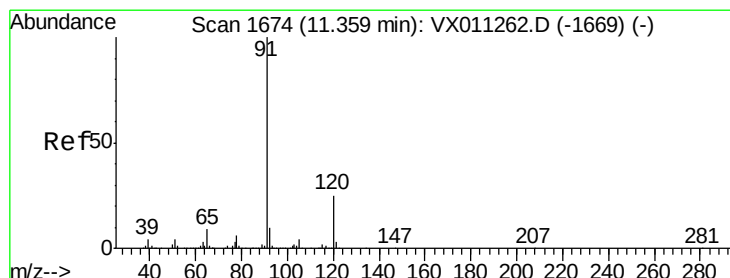
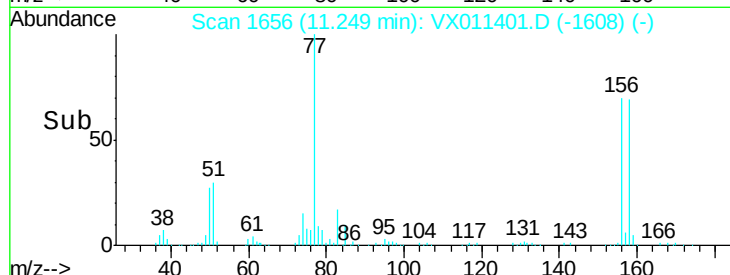
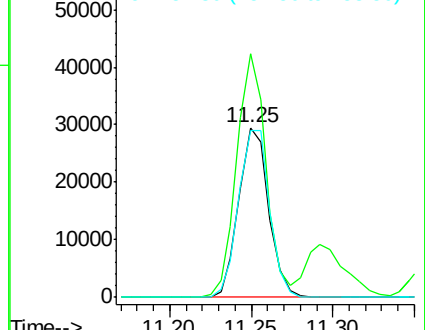
8/12/2019 12:51:03 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 16.795 ug/l

RT: 11.35 min Scan# 1673

Delta R.T. -0.01 min

Lab File: VX011401.D

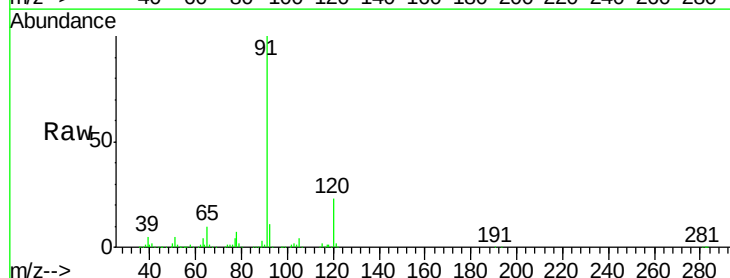
Acq: 09 Aug 2019 11:48

Tgt Ion: 91 Resp: 156356

Ion Ratio Lower Upper

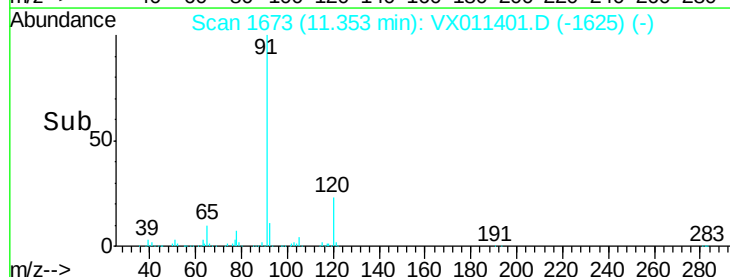
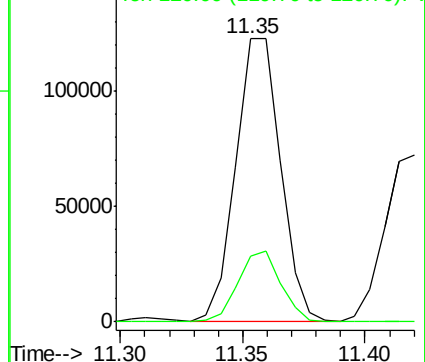
91 100

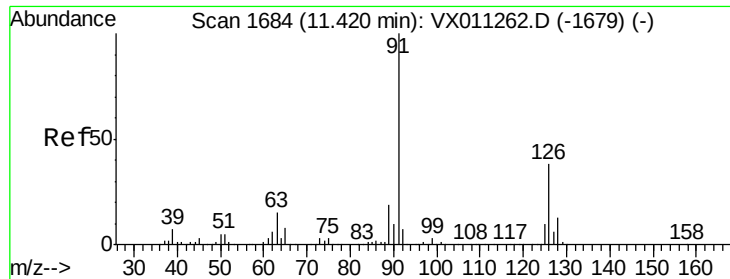
120 24.1 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





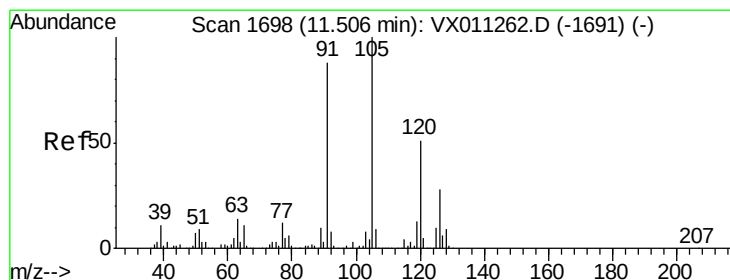
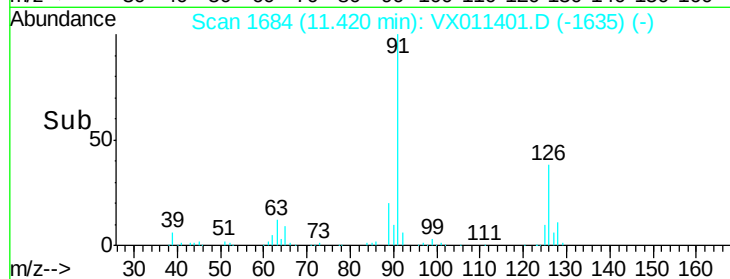
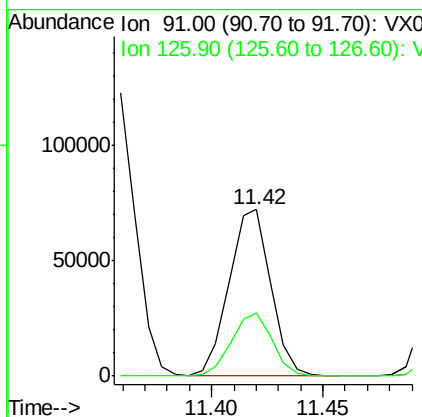
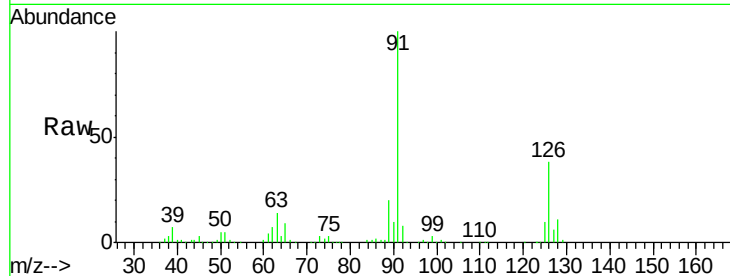
#79
2-Chlorotoluene
Concen: 16.854 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX011401.D
Acq: 09 Aug 2019 11:48

Instrument :
MSVOA_X
ClientSampled :
VX0809WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		93521		
126	37.3	18.5	55.5		

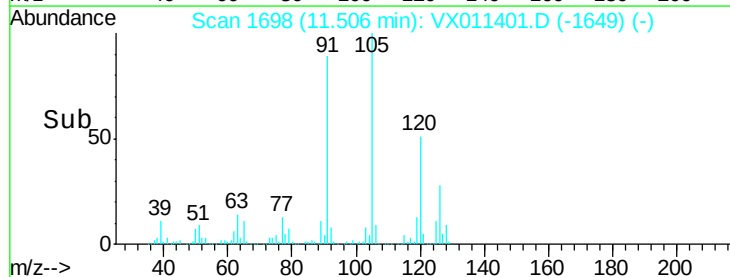
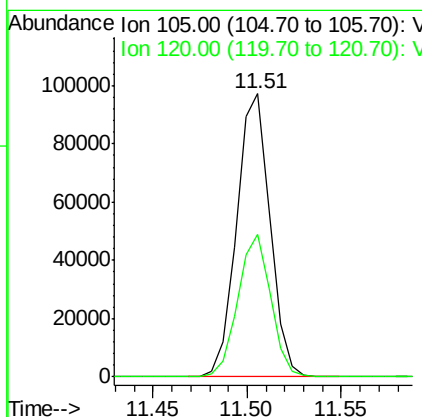
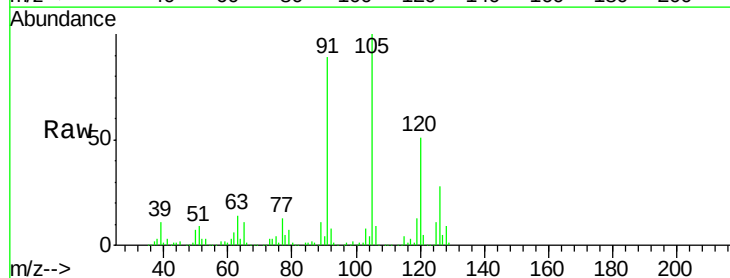
Manual Integrations
APPROVED

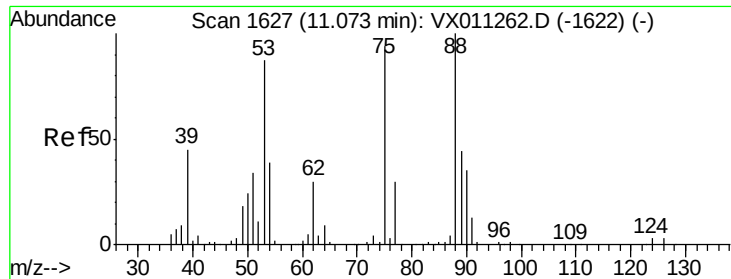
MMDadoda
8/12/2019 12:51:03 PM



#80
1,3,5-Trimethylbenzene
Concen: 17.027 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011401.D
Acq: 09 Aug 2019 11:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		119319		
120	49.5	25.1	75.2		





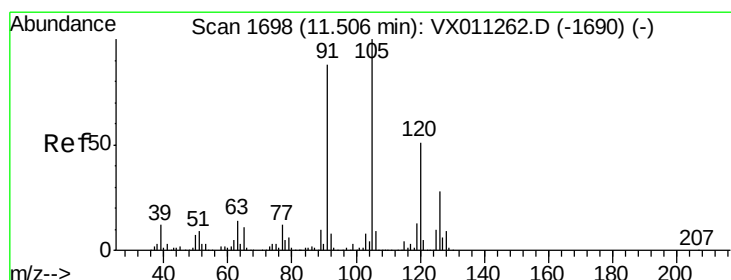
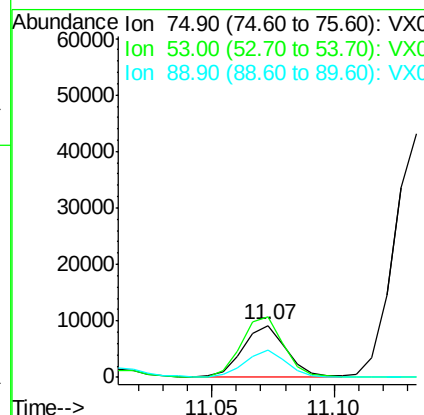
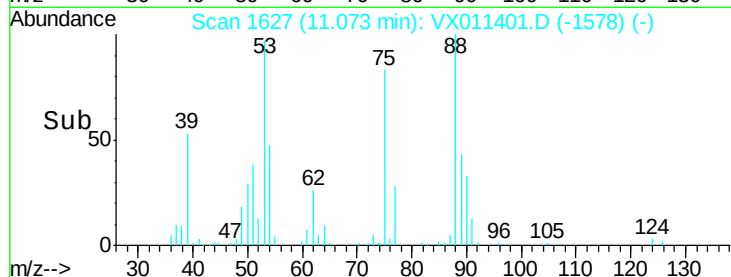
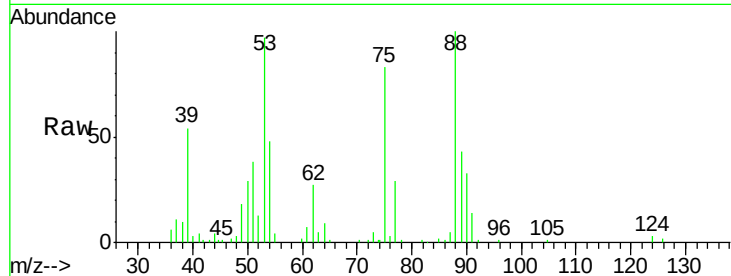
#81
trans-1,4-Dichloro-2-butene
Concen: 16.904 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011401.D
Acq: 09 Aug 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0809WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.4	78.2	117.4
89	50.6	37.9	56.9

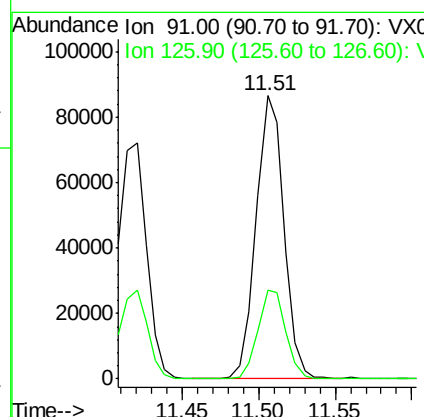
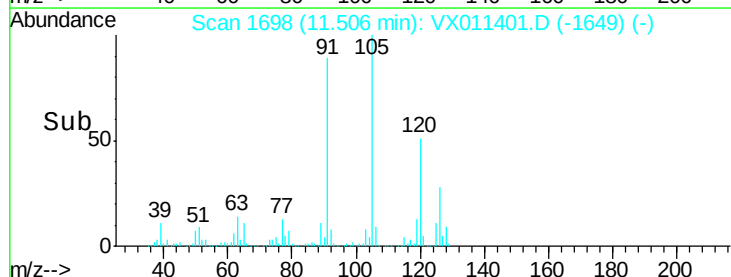
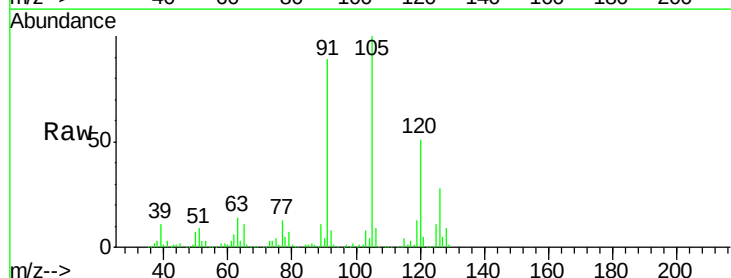
Manual Integrations
APPROVED

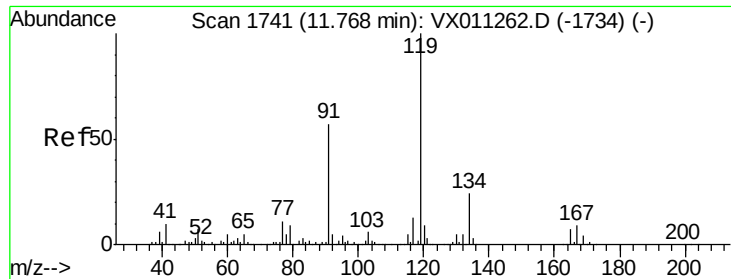
MMDadoda
8/12/2019 12:51:03 PM



#82
4-Chlorotoluene
Concen: 16.809 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011401.D
Acq: 09 Aug 2019 11:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.4	49.2





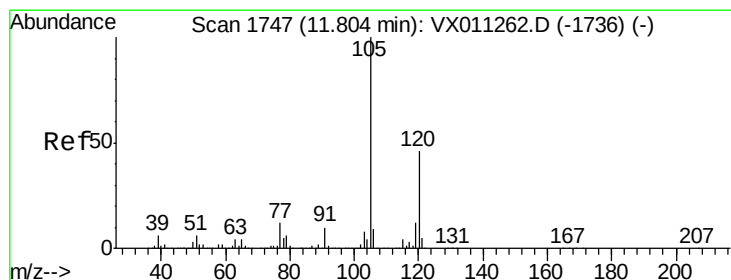
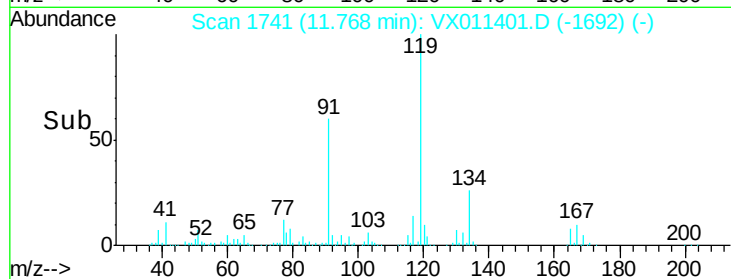
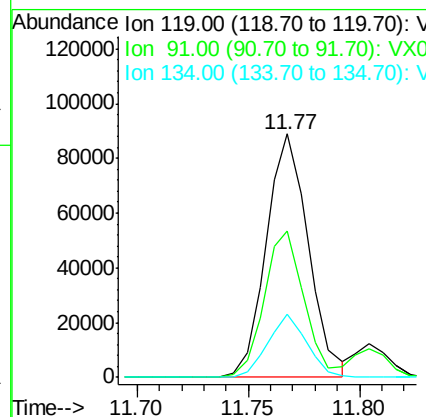
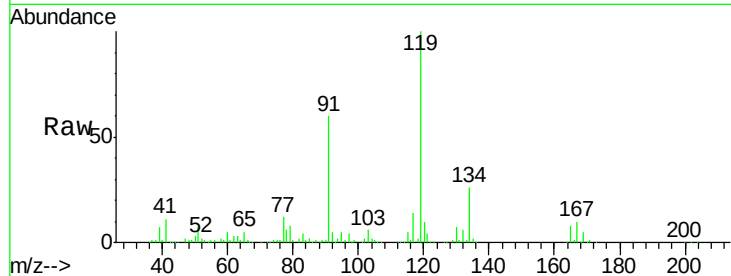
#83
 tert-Butylbenzene
 Concen: 16.935 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011401.D
 Acq: 09 Aug 2019 11:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0809WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	116393		
91	57.8	28.0	84.0	
134	24.2	11.9	35.5	

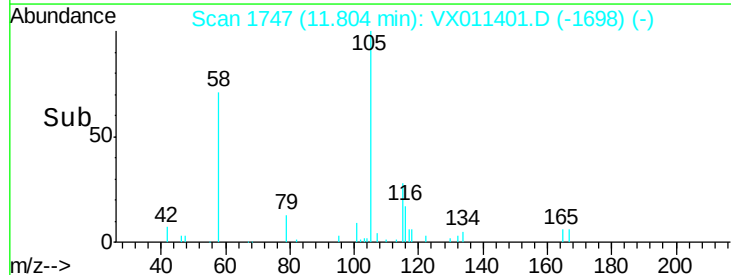
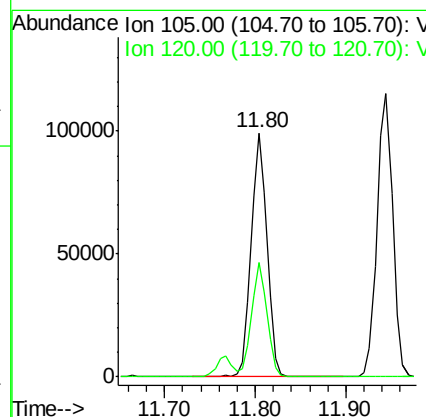
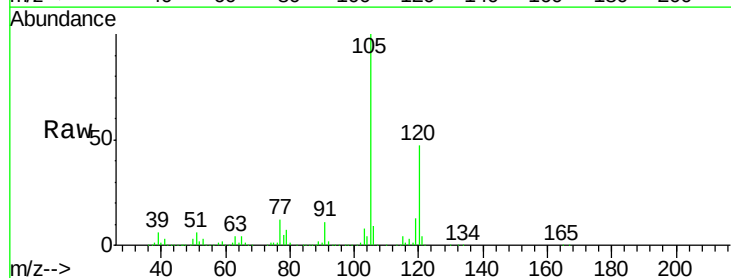
Manual Integrations
 APPROVED

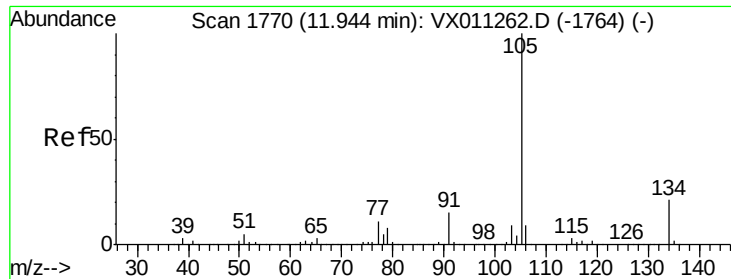
MMDadoda
 8/12/2019 12:51:03 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 17.330 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011401.D
 Acq: 09 Aug 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	120915		
120	45.7	23.0	69.0	





#85

sec-Butylbenzene

Concen: 16.719 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011401.D

Acq: 09 Aug 2019 11:48

Instrument :

MSVOA_X

ClientSampled :

VX0809WBS01

Tot Ion:105 Resp: 138060

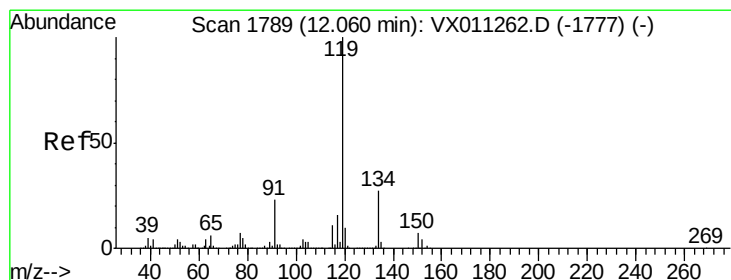
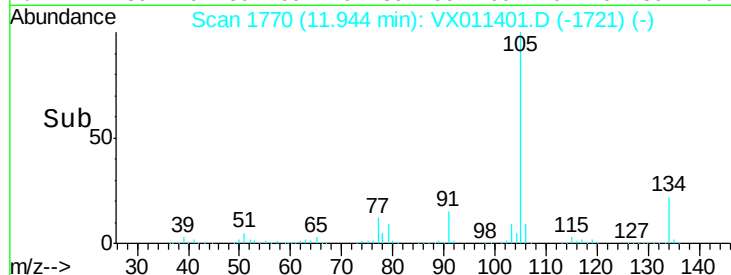
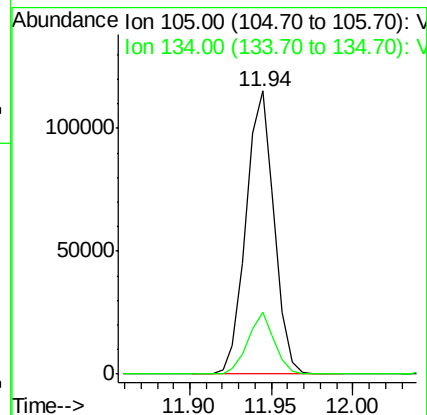
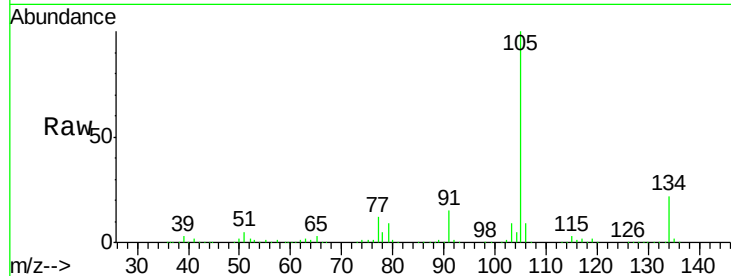
Ion Ratio Lower Upper

105 100

134 20.7 10.4 31.4

Manual Integrations
APPROVED

MMDadoda
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#86

p-Isopropyltoluene

Concen: 16.704 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011401.D

Acq: 09 Aug 2019 11:48

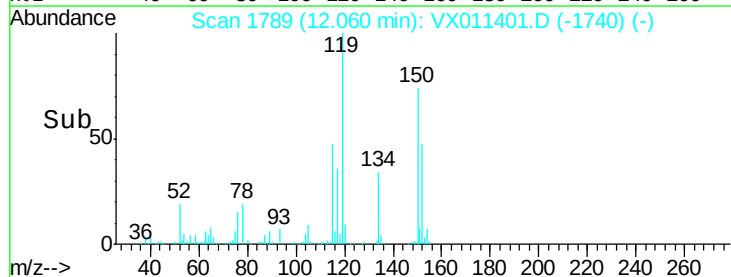
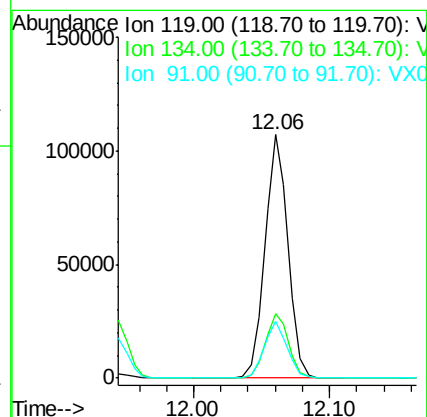
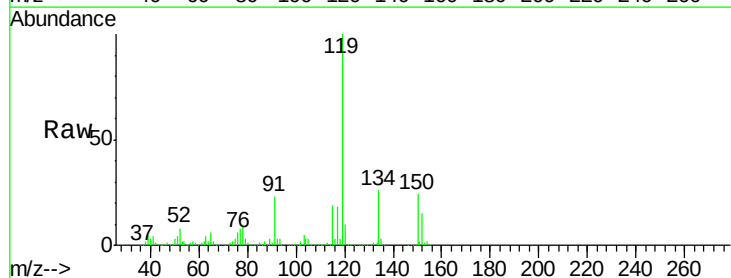
Tgt Ion:119 Resp: 126897

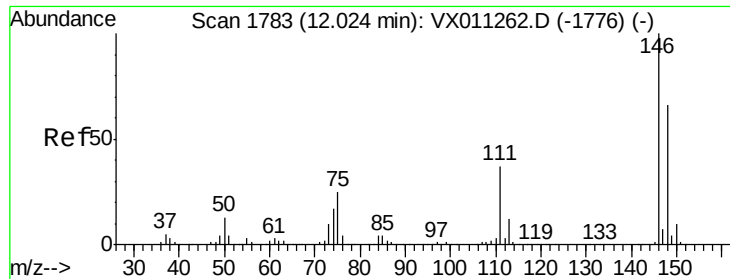
Ion Ratio Lower Upper

119 100

134 26.7 13.7 41.0

91 23.4 11.4 34.2





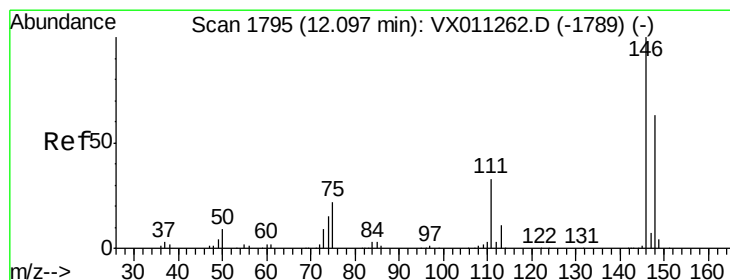
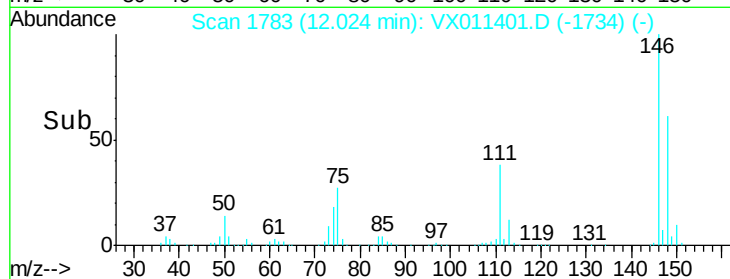
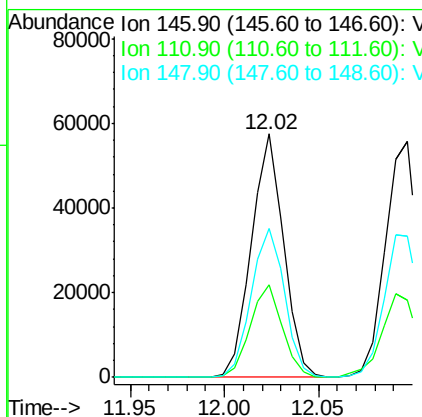
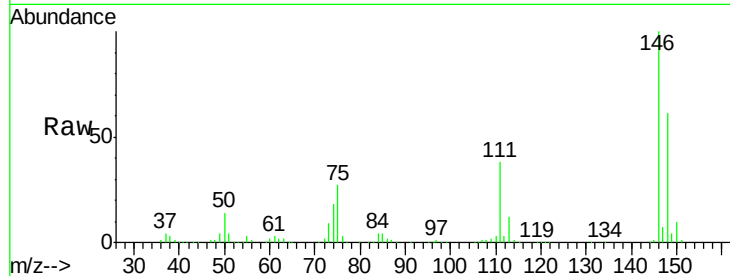
#87
 1,3-Dichlorobenzene
 Concen: 16.706 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011401.D
 Acq: 09 Aug 2019 11:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0809WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.6	55.8
148	62.9	32.5	97.5

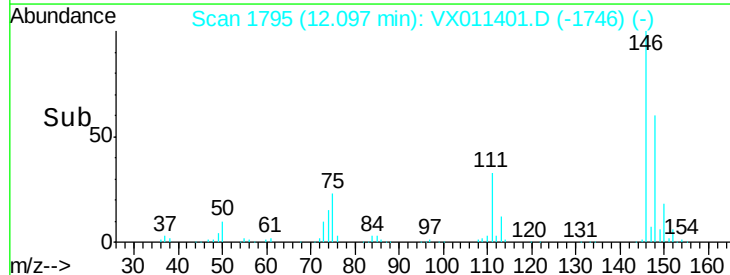
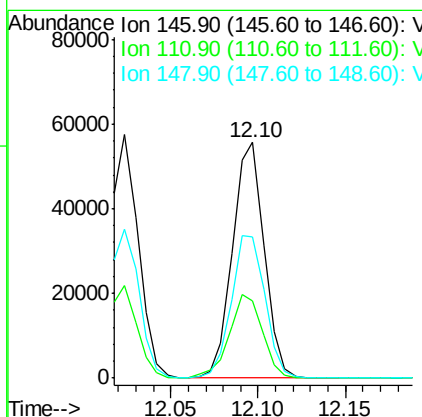
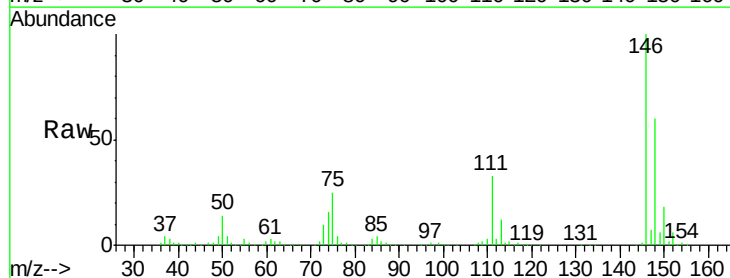
Manual Integrations
 APPROVED

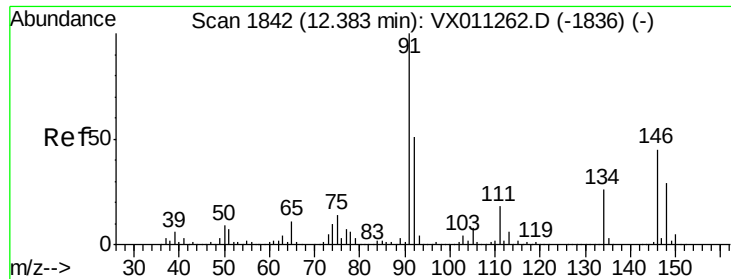
MMDadoda
 8/12/2019 12:51:03 PM



#88
 1,4-Dichlorobenzene
 Concen: 16.564 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX011401.D
 Acq: 09 Aug 2019 11:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	17.8	53.4
148	64.6	31.8	95.3





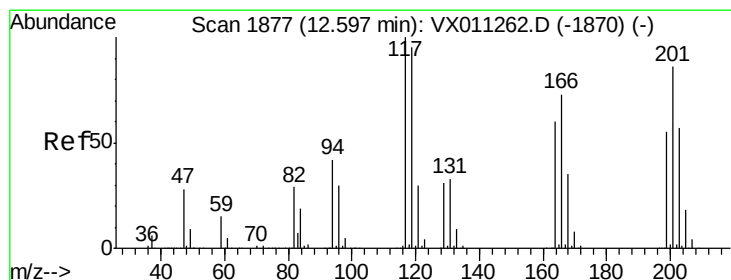
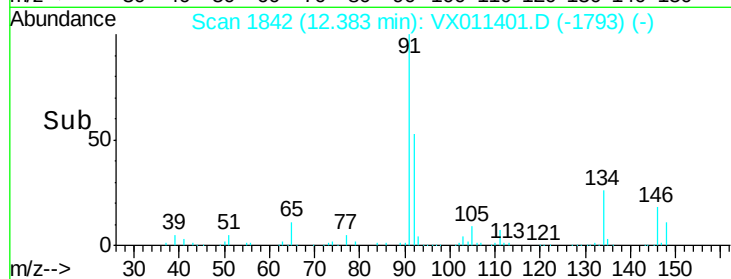
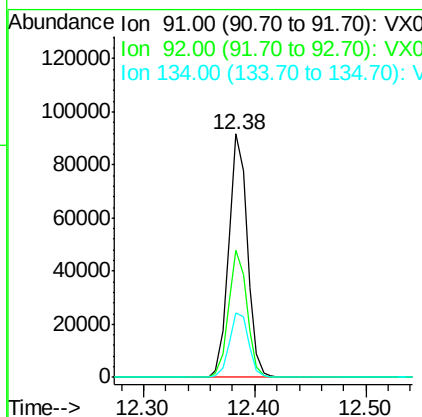
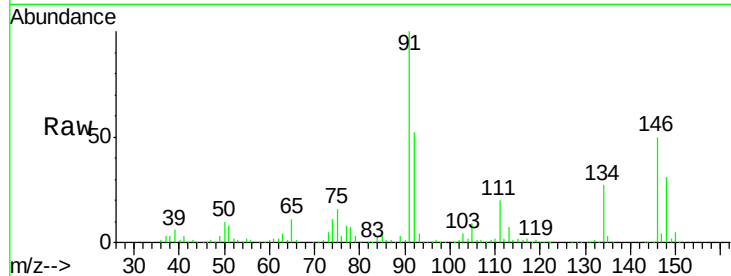
#89
n-Butylbenzene
Concen: 16.196 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011401.D
Acq: 09 Aug 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0809WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		106002		
92	51.7	25.8	77.3		
134	27.3	13.7	41.0		

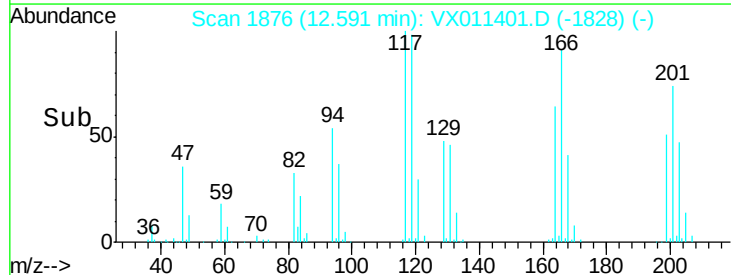
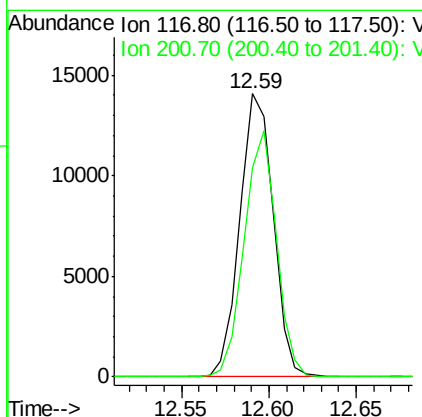
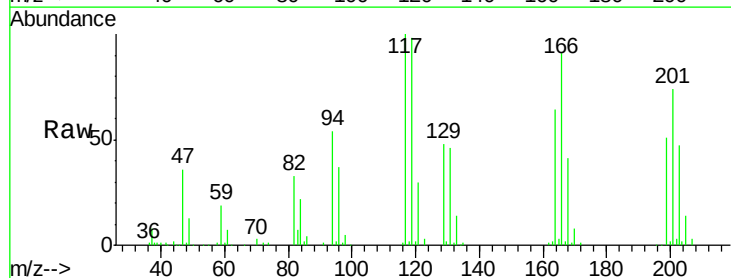
Manual Integrations
APPROVED

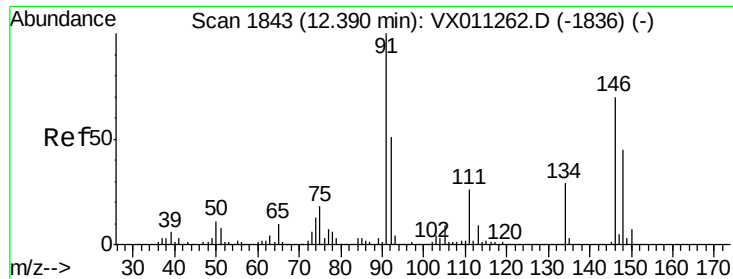
MMDadoda
8/12/2019 12:51:03 PM



#90
Hexachloroethane
Concen: 16.759 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX011401.D
Acq: 09 Aug 2019 11:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		18823		
201	83.7	41.8	125.4		





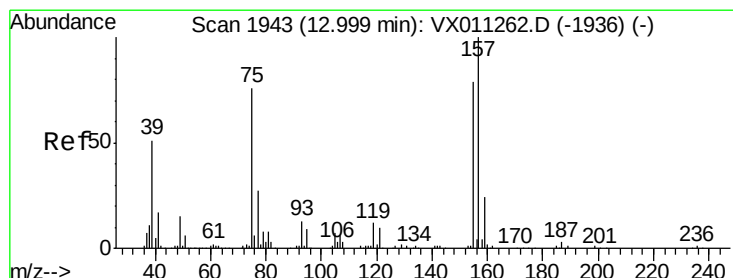
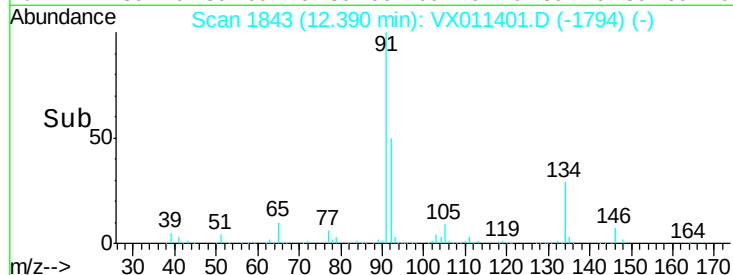
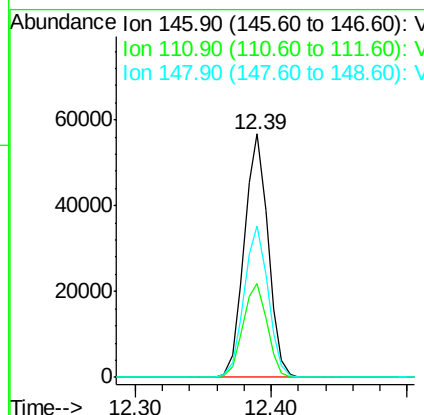
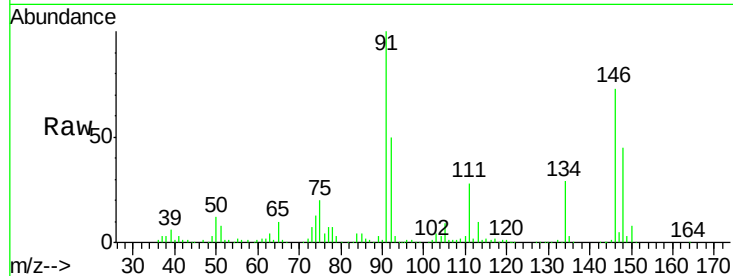
#91
 1,2-Dichlorobenzene
 Concen: 16.843 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011401.D
 Acq: 09 Aug 2019 11:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0809WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	69416		
111	39.3	19.1	57.1	
148	62.8	32.3	96.8	

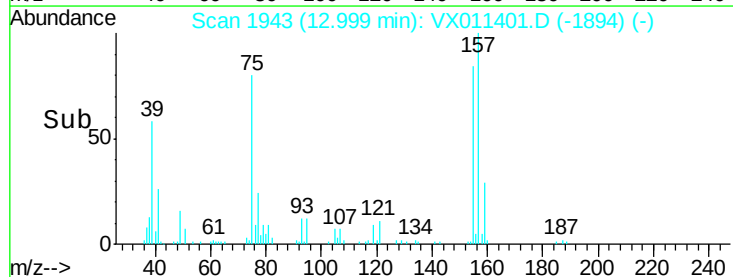
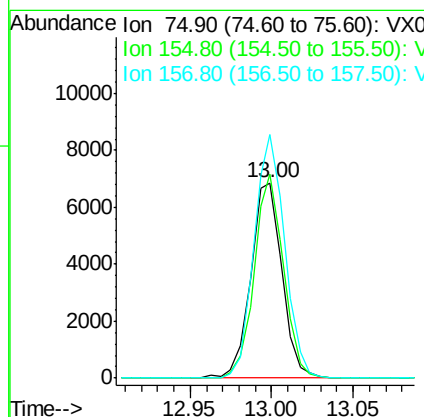
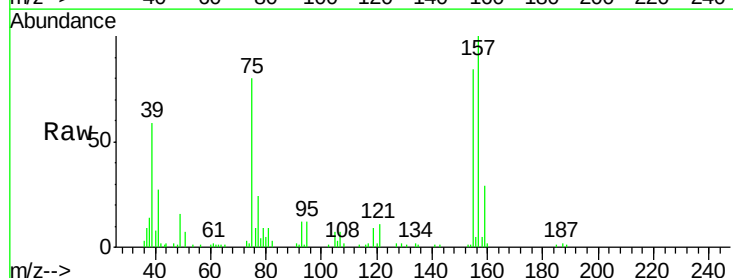
Manual Integrations
 APPROVED

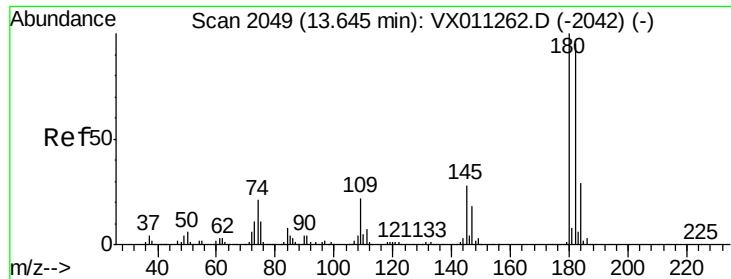
MMDadoda
 8/12/2019 12:51:03 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.925 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX011401.D
 Acq: 09 Aug 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	9148		
155	97.4	51.9	155.8	
157	121.9	64.3	192.7	





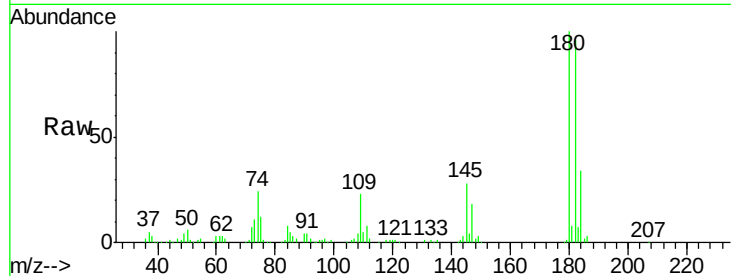
#93
 1,2,4-Trichlorobenzene
 Concen: 16.524 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011401.D
 Acq: 09 Aug 2019 11:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0809WBS01

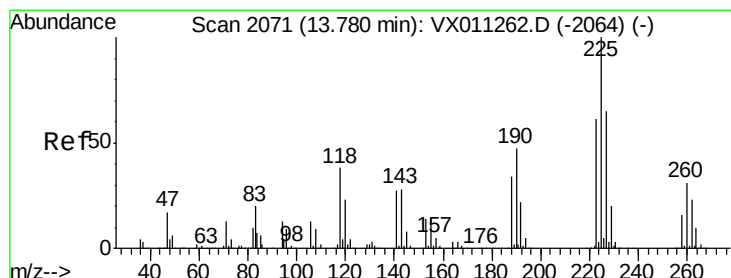
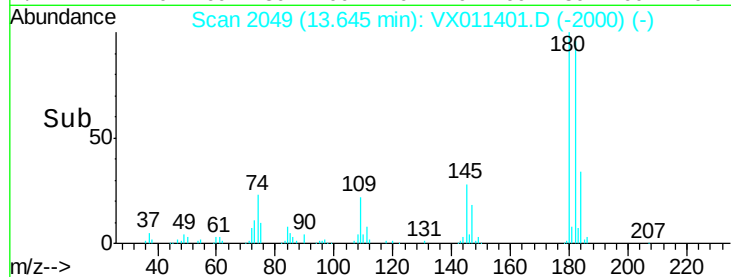
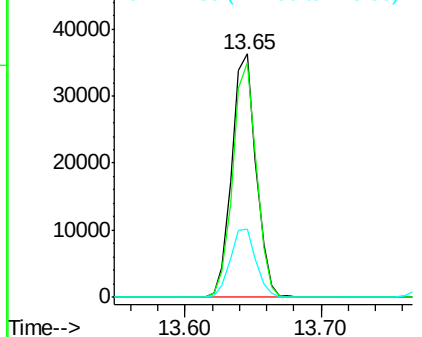
Tot Ion	Ratio	Resp	Lower	Upper
180	100	45161		
182	93.8		47.8	143.4
145	29.5		14.8	44.3

Manual Integrations
 APPROVED

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 8/12/2019 12:51:03 PM

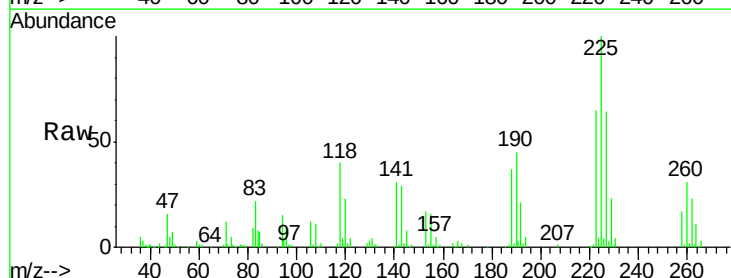


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

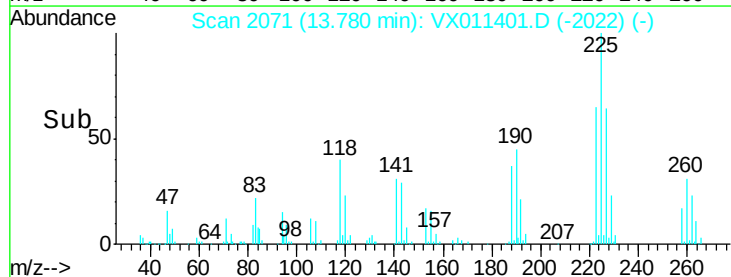
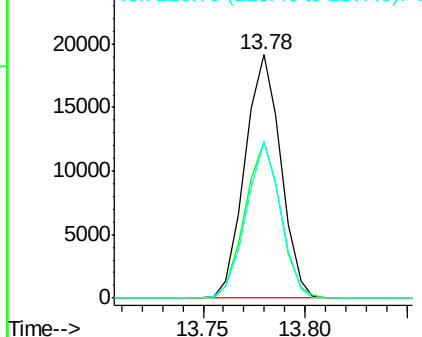


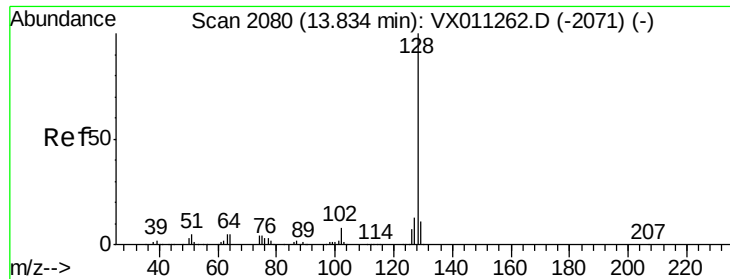
#94
 Hexachlorobutadiene
 Concen: 16.883 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011401.D
 Acq: 09 Aug 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	23411		
223	63.6		31.0	93.0
227	61.6		32.2	96.6



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





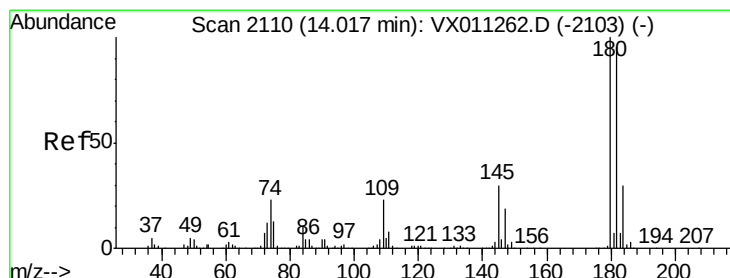
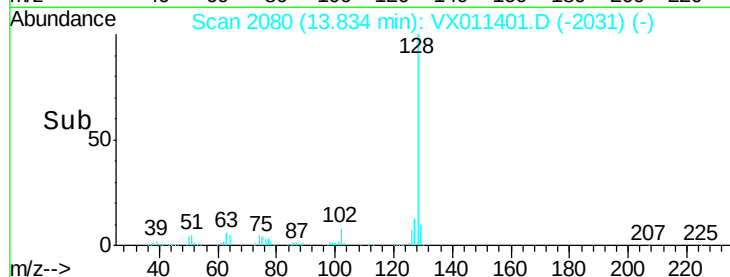
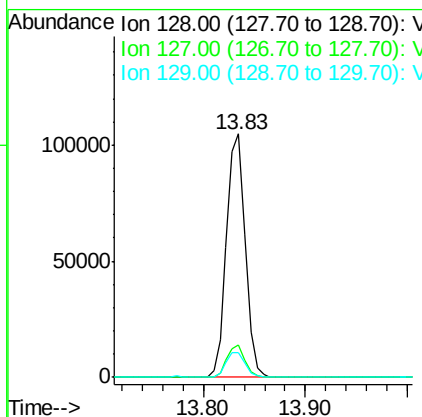
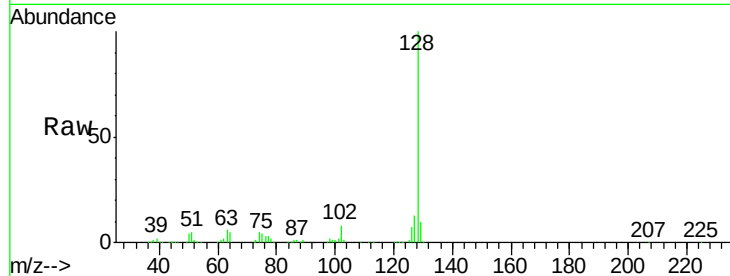
#95
Naphthalene
Concen: 16.693 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX011401.D
Acq: 09 Aug 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0809WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	133425		
127	12.9		10.4	15.6
129	10.9		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
8/12/2019 12:51:03 PM



#96
1,2,3-Trichlorobenzene
Concen: 15.968 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX011401.D
Acq: 09 Aug 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	44369		
182	98.9		47.4	142.3
145	31.6		15.2	45.6

