

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090519\
 Data File : VX012120.D
 Acq On : 06 Sep 2019 01:29
 Operator : SY/SP
 Sample : VX0905SBS02
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 12:31:48 PM

Quant Time: Sep 06 07:18:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	110331	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	213240	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	197431	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	97450	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	88600	58.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.40%	
35) Dibromofluoromethane	5.48	113	66105	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
50) Toluene-d8	8.71	98	249851	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
62) 4-Bromofluorobenzene	11.14	95	110639	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	18903	18.579	ug/l	99
3) Chloromethane	1.31	50	20704	19.870	ug/l	100
4) Vinyl Chloride	1.39	62	18743	19.119	ug/l	95
5) Bromomethane	1.62	94	10560	21.714	ug/l	96
6) Chloroethane	1.70	64	12762	20.941	ug/l	96
7) Trichlorofluoromethane	1.91	101	29594	19.436	ug/l	94
8) Diethyl Ether	2.17	74	12279	23.336	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.36	101	20701	18.355	ug/l #	83
10) Methyl Iodide	2.50	142	12824	16.650	ug/l	94
11) Tert butyl alcohol	3.03	59	16276	111.310	ug/l #	94
12) 1,1-Dichloroethene	2.36	96	20297	18.683	ug/l	93
13) Acrolein	2.28	56	4911	115.827	ug/l	96
14) Allyl chloride	2.71	41	39901	20.297	ug/l	97
15) Acrylonitrile	3.13	53	37414	113.154	ug/l	97
16) Acetone	2.43	43	34260	94.153	ug/l	100
17) Carbon Disulfide	2.55	76	51512	16.224	ug/l	100
18) Methyl Acetate	2.76	43	23092	26.939	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	80606	22.790	ug/l	99
20) Methylene Chloride	2.84	84	29497	20.187	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	24726	19.395	ug/l	87
22) Diisopropyl ether	3.84	45	90469	22.578	ug/l	97
23) Vinyl Acetate	3.80	43	272395	105.090	ug/l	98
24) 1,1-Dichloroethane	3.68	63	49372	21.245	ug/l	99
25) 2-Butanone	4.66	43	51253	110.654	ug/l	98
26) 2,2-Dichloropropane	4.57	77	36908	17.202	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	30887	20.668	ug/l	93
28) Bromochloromethane	5.00	49	22950	24.740	ug/l #	75
29) Tetrahydrofuran	5.12	42	32242	115.534	ug/l	98
30) Chloroform	5.19	83	54653	21.918	ug/l	94
31) Cyclohexane	5.56	56	33800	18.110	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	45349	20.881	ug/l	96
36) 1,1-Dichloropropene	5.79	75	34425	18.330	ug/l	94
37) Ethyl Acetate	4.82	43	22842	22.366	ug/l	99
38) Carbon Tetrachloride	5.77	117	36659	18.524	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	36133	16.577	ug/l	96
40) Benzene	6.13	78	104333	19.351	ug/l	100
41) Methacrylonitrile	5.03	41	13506	22.175	ug/l	98
42) 1,2-Dichloroethane	6.18	62	42617	21.964	ug/l	97
43) Isopropyl Acetate	6.44	43	44858	21.601	ug/l	100
44) Trichloroethene	7.20	130	27397	18.839	ug/l	85
45) 1,2-Dichloropropane	7.50	63	28060	20.143	ug/l	95
46) Dibromomethane	7.65	93	16805	20.666	ug/l #	72
47) Bromodichloromethane	7.89	83	41833	20.238	ug/l	98
48) Methyl methacrylate	7.76	41	23002	22.029	ug/l	95
49) 1,4-Dioxane	7.73	88	6394	449.206	ug/l	95
51) 4-Methyl-2-Pentanone	8.64	43	117389	111.137	ug/l	98
52) Toluene	8.78	92	68196	19.440	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	41172	19.240	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	45007	18.913	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	24416	21.001	ug/l	98
56) Ethyl methacrylate	9.17	69	34000	20.417	ug/l	93
57) 1,3-Dichloropropane	9.37	76	42012	20.941	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	87915	117.100	ug/l	93
59) 2-Hexanone	9.48	43	82116	106.544	ug/l	97
60) Dibromochloromethane	9.57	129	28164	20.326	ug/l	100
61) 1,2-Dibromoethane	9.67	107	23073	20.539	ug/l	99
64) Tetrachloroethene	9.33	164	25989	21.114	ug/l	88
65) Chlorobenzene	10.14	112	76634	19.673	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	28808	20.225	ug/l	96
67) Ethyl Benzene	10.25	91	135047	19.019	ug/l	96
68) m/p-Xylenes	10.36	106	98479	37.643	ug/l	88
69) o-Xylene	10.70	106	49443	19.490	ug/l	92
70) Styrene	10.71	104	86090	19.538	ug/l	94
71) Bromoform	10.85	173	15460	19.761	ug/l #	99
73) Isopropylbenzene	11.01	105	133035	18.606	ug/l	96
74) N-amyl acetate	10.89	43	40598	19.204	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	30708	20.601	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	27356m	22.975	ug/l	
77) Bromobenzene	11.25	156	31704	19.826	ug/l	69
78) n-propylbenzene	11.35	91	158424	18.340	ug/l	93
79) 2-Chlorotoluene	11.42	91	100337	19.173	ug/l	89
80) 1,3,5-Trimethylbenzene	11.50	105	119764	19.114	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.07	75	7754	15.396	ug/l #	84
82) 4-Chlorotoluene	11.51	91	121997	19.559	ug/l	90
83) tert-Butylbenzene	11.76	119	110697	18.536	ug/l	88
84) 1,2,4-Trimethylbenzene	11.81	105	120169	18.660	ug/l	95
85) sec-Butylbenzene	11.94	105	134809	18.174	ug/l	94
86) p-Isopropyltoluene	12.06	119	121700	18.040	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	60985	19.032	ug/l	94
88) 1,4-Dichlorobenzene	12.09	146	61950	19.335	ug/l	92
89) n-Butylbenzene	12.39	91	117034	17.859	ug/l	96
90) Hexachloroethane	12.59	117	24182	17.953	ug/l	55
91) 1,2-Dichlorobenzene	12.39	146	58095	20.131	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	12.99	75	6117	19.611	ug/l	64

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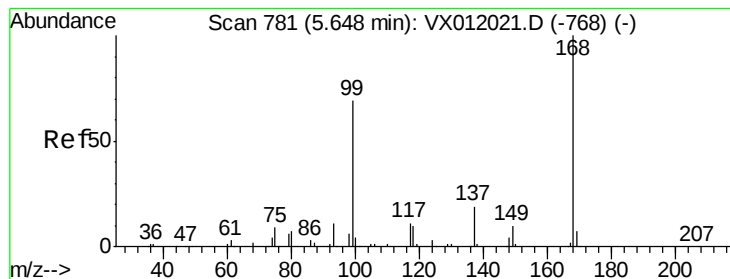
Manual Integrations
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Quant Time: Sep 06 07:18:07 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 03 15:26:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	37421	18.218	ug/l	95
94) Hexachlorobutadiene	13.78	225	18731	18.090	ug/l	98
95) Naphthalene	13.83	128	83303	18.738	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	33815	18.712	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012120.D

Acq: 06 Sep 2019 01:29

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS02

Tot Ion:168 Resp: 110331

Ion Ratio Lower Upper

168 100

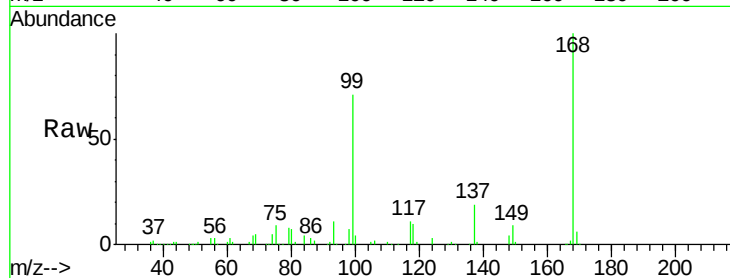
99 70.7 37.6 56.4#

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

40000

30000

20000

10000

0

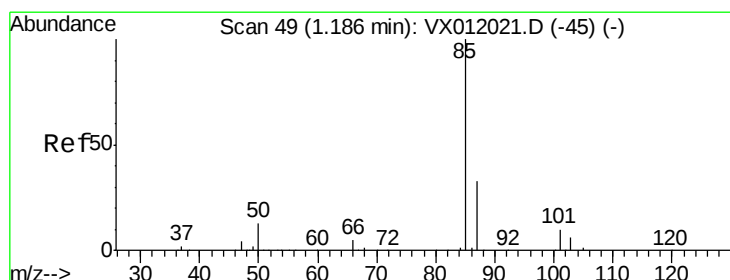
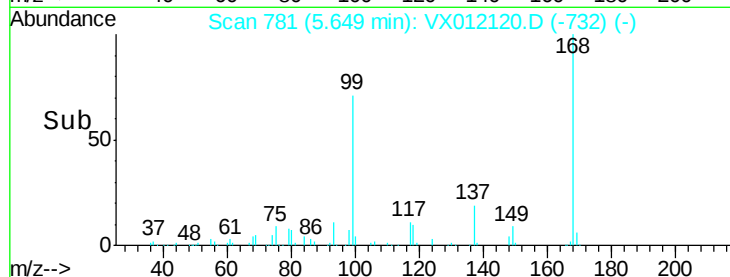
Time-->

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 18.579 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012120.D

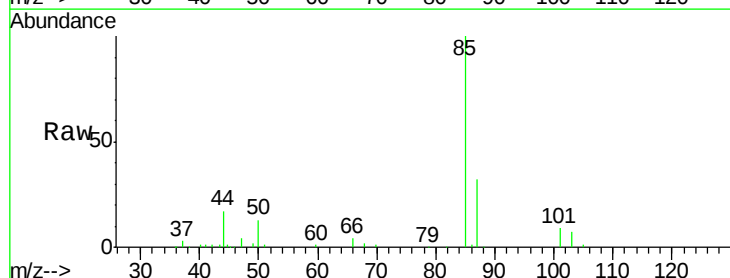
Acq: 06 Sep 2019 01:29

Tgt Ion: 85 Resp: 18903

Ion Ratio Lower Upper

85 100

87 31.7 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

15000

10000

5000

0

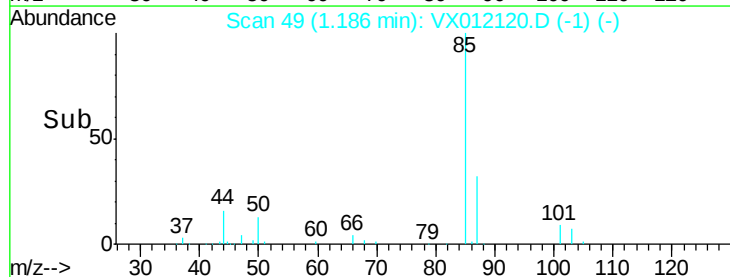
Time-->

1.15

1.20

1.25

1.30





#3

Chloromethane

Concen: 19.870 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012120.D

Acq: 06 Sep 2019 01:29

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS02

Tot Ion: 50 Resp: 20704

Ion Ratio Lower Upper

50 100

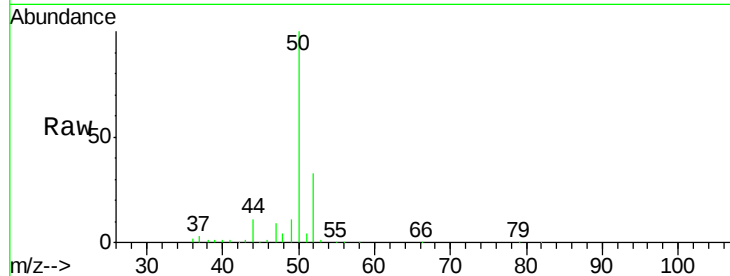
52 33.3 26.5 39.7

Manual Integrations

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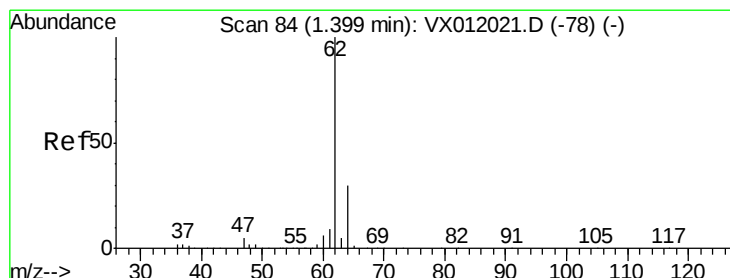
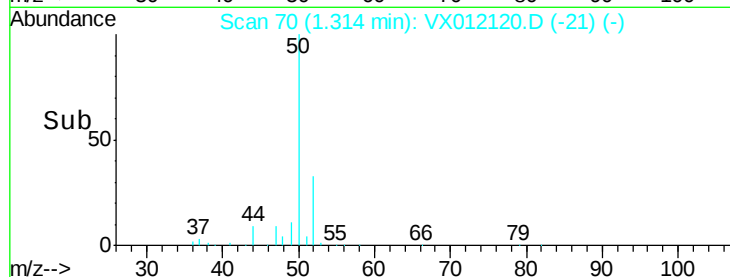
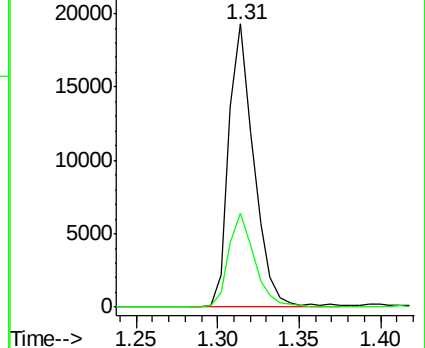
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.119 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX012120.D

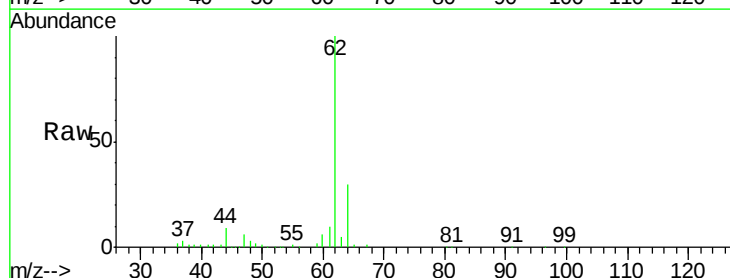
Acq: 06 Sep 2019 01:29

Tgt Ion: 62 Resp: 18743

Ion Ratio Lower Upper

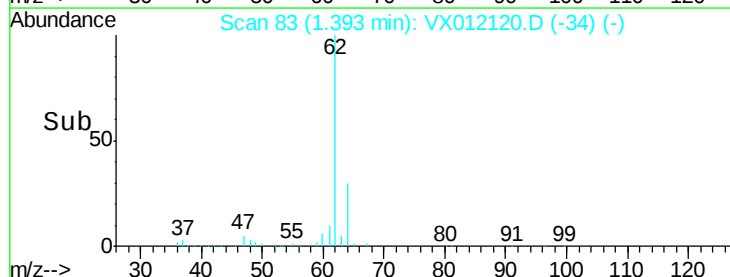
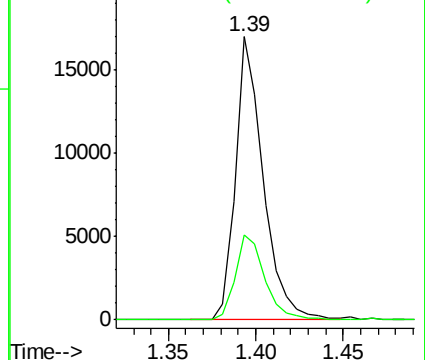
62 100

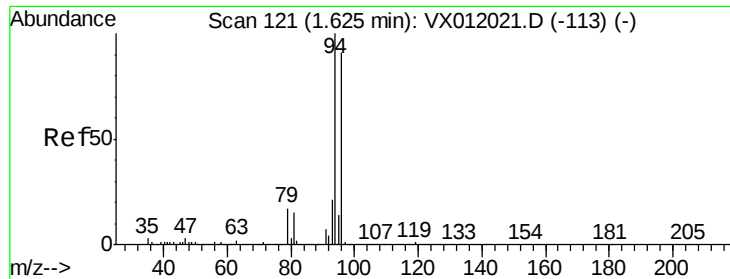
64 30.1 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 21.714 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX012120.D

Acq: 06 Sep 2019 01:29

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS02

Tot Ion: 94 Resp: 10560

Ion Ratio Lower Upper

94 100

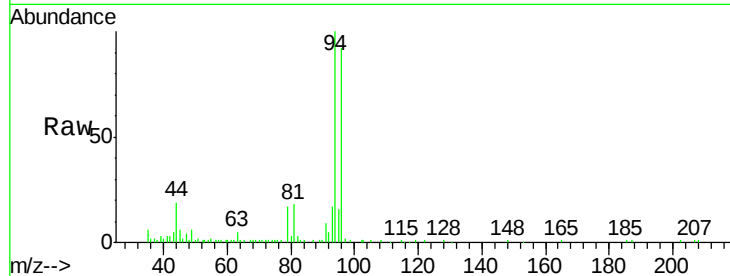
96 91.4 76.3 114.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

12000

10000

8000

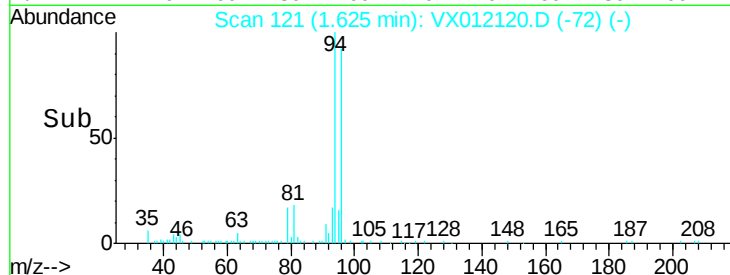
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4000

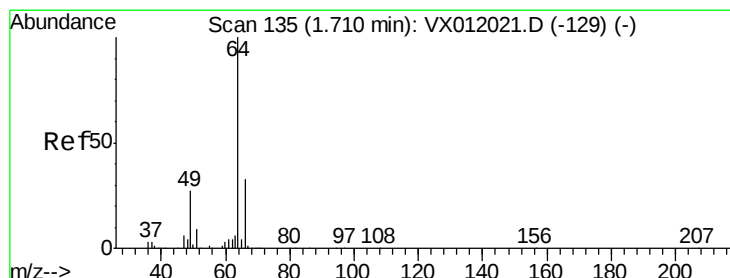
2000

0

Time-->



Time-->



#6

Chloroethane

Concen: 20.941 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012120.D

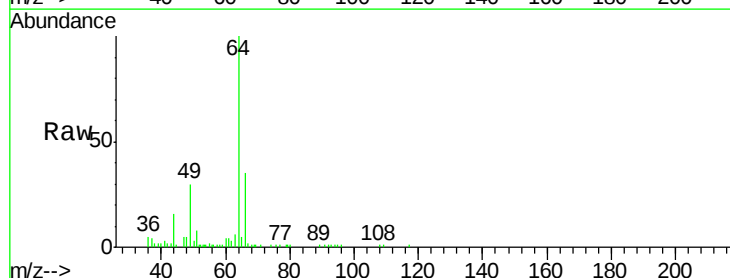
Acq: 06 Sep 2019 01:29

Tgt Ion: 64 Resp: 12762

Ion Ratio Lower Upper

64 100

66 35.0 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

10000

8000

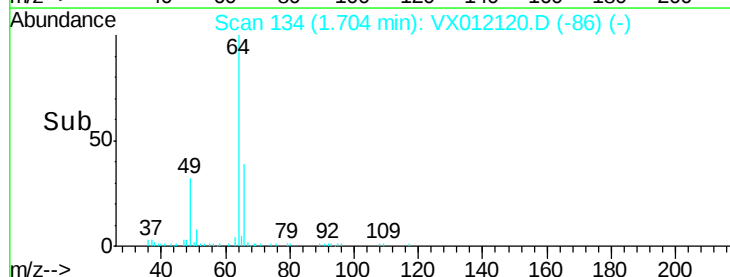
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4000

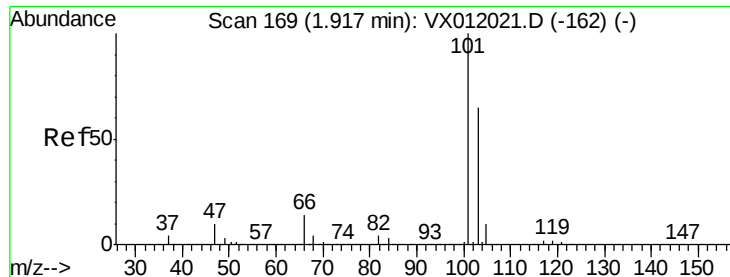
2000

0

Time-->



Time-->



#7

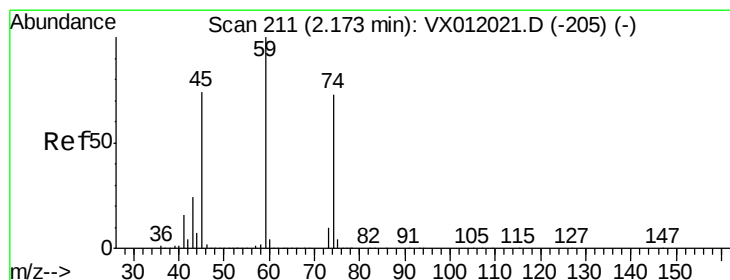
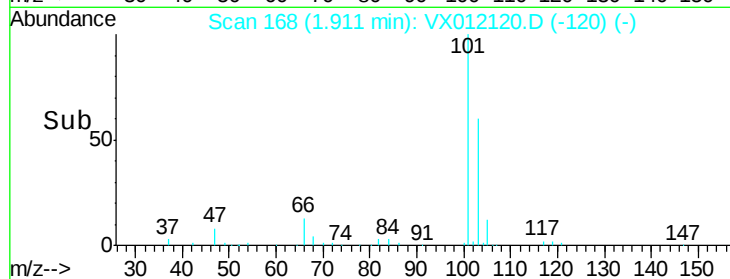
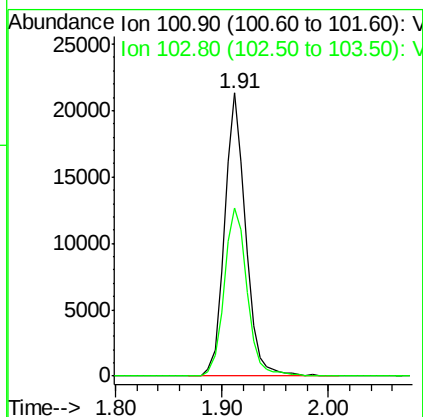
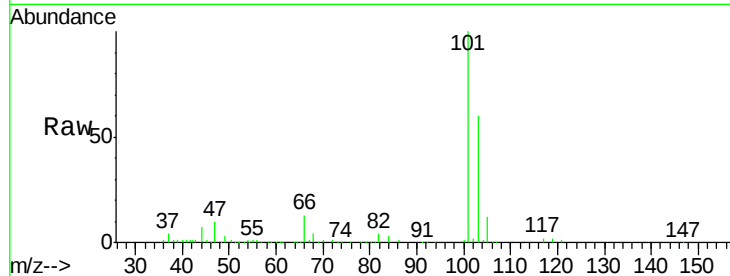
Trichlorofluoromethane
Concen: 19.436 ug/l
RT: 1.91 min Scan# 168
Delta R.T. -0.01 min
Lab File: VX012120.D
Acq: 06 Sep 2019 01:29

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS02

Tot Ion:101 Resp: 29594
Ion Ratio Lower Upper
101 100
103 59.6 51.6 77.4

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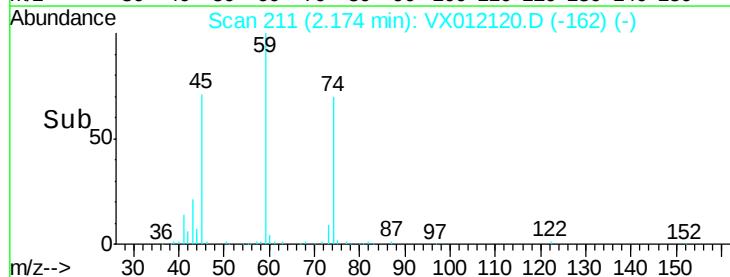
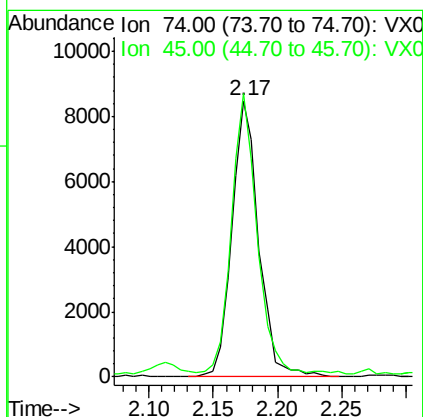
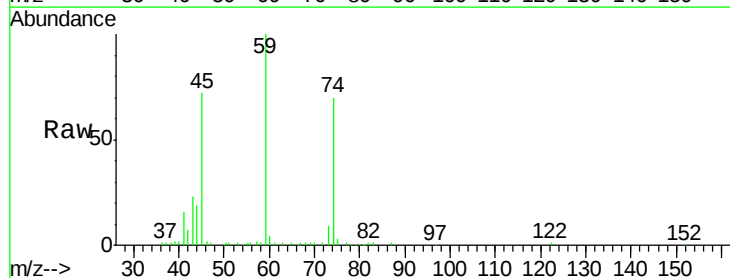
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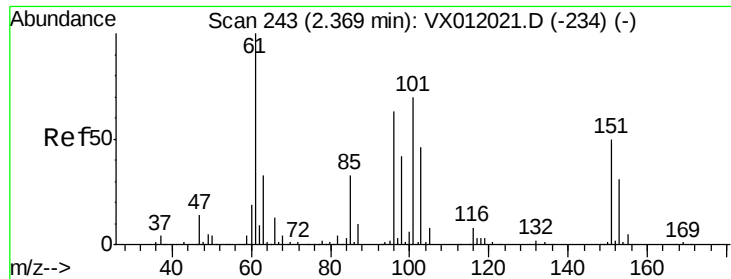


#8

Diethyl Ether
Concen: 23.336 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX012120.D
Acq: 06 Sep 2019 01:29

Tgt Ion: 74 Resp: 12279
Ion Ratio Lower Upper
74 100
45 96.0 45.9 137.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.355 ug/l

RT: 2.36 min Scan# 242

Delta R.T. -0.01 min

Lab File: VX012120.D

Acq: 06 Sep 2019 01:29

Instrument :

MSVOA_X

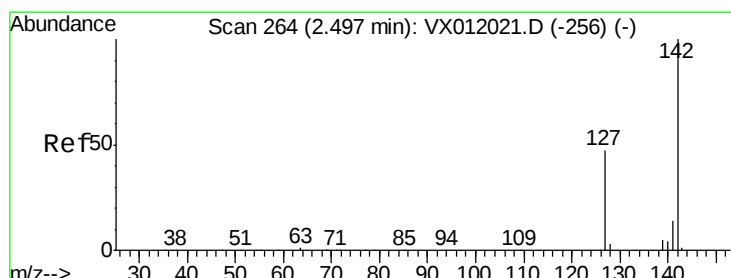
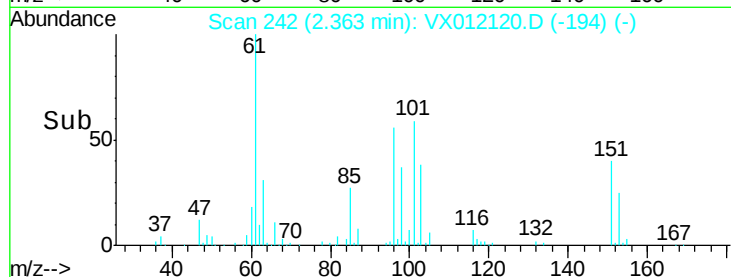
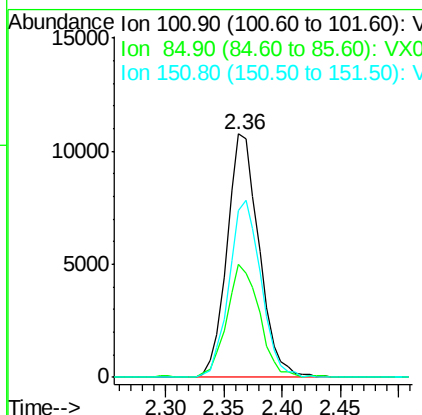
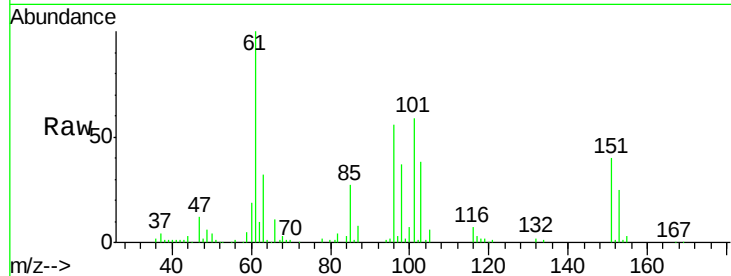
ClientSampleId :

VX0905SBS02

Tot Ion:	101	Resp:	20701
Ion Ratio	Lower	Upper	
101	100		
85	47.0	34.5	51.7
151	72.3	75.0	112.4#

Manual Integrations
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#10

Methyl Iodide

Concen: 16.650 ug/l

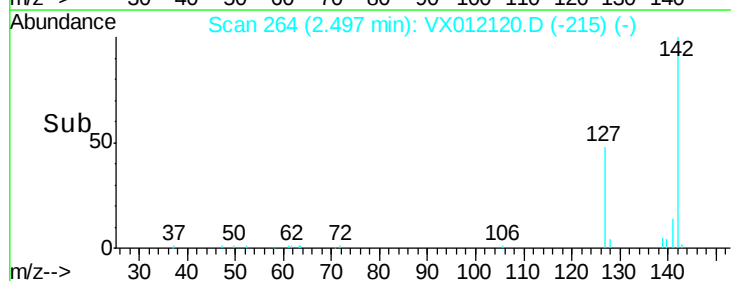
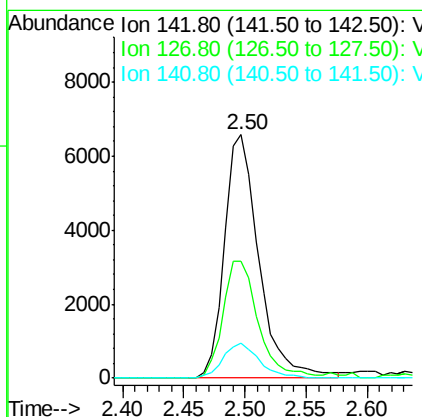
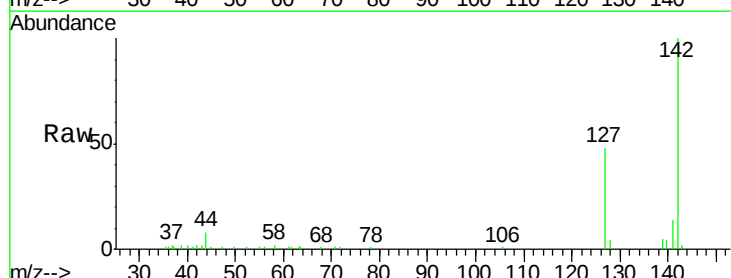
RT: 2.50 min Scan# 264

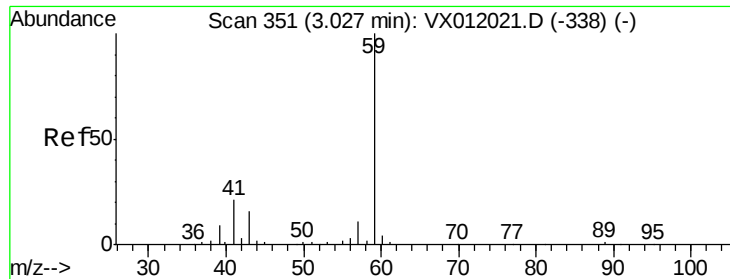
Delta R.T. 0.00 min

Lab File: VX012120.D

Acq: 06 Sep 2019 01:29

Tgt Ion:	142	Resp:	12824
Ion Ratio	Lower	Upper	
142	100		
127	49.3	35.4	53.2
141	15.2	11.4	17.2





#11

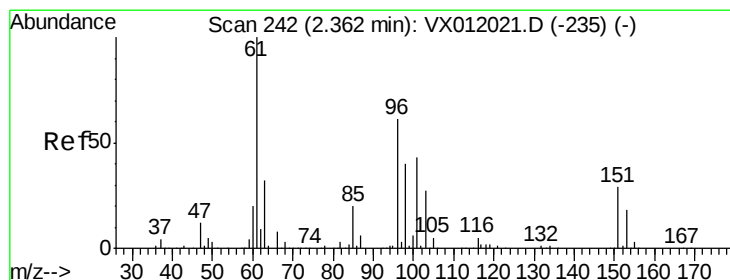
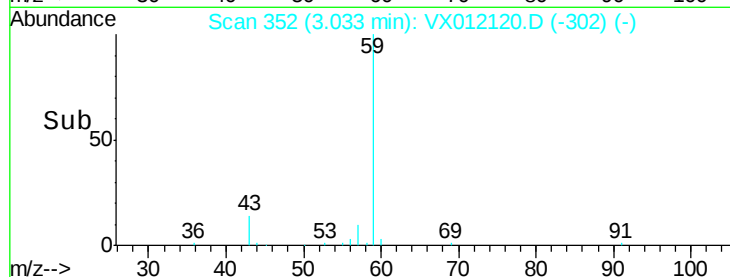
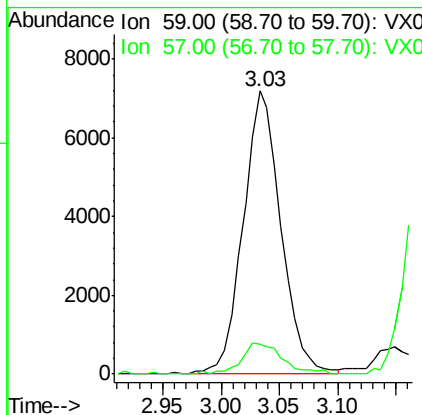
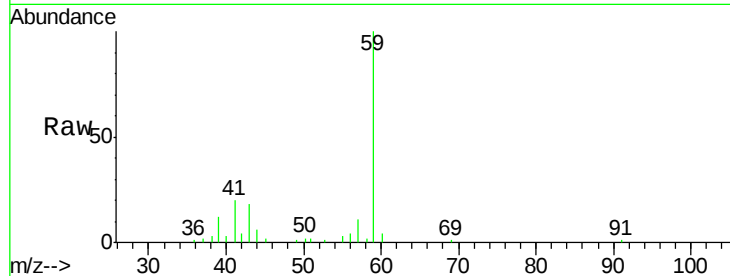
Tert butyl alcohol
 Concen: 111.310 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. 0.01 min
 Lab File: VX012120.D
 Acq: 06 Sep 2019 01:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.1	7.9	11.9#

Manual Integrations
 APPROVED

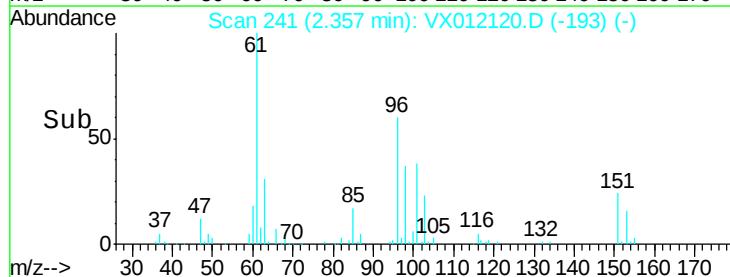
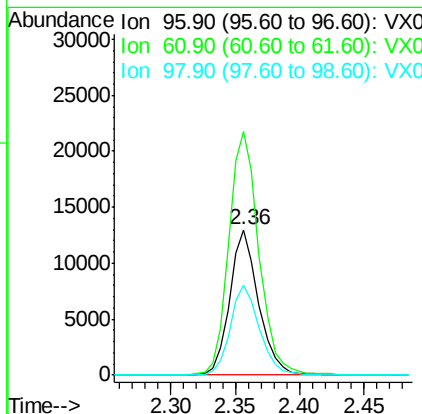
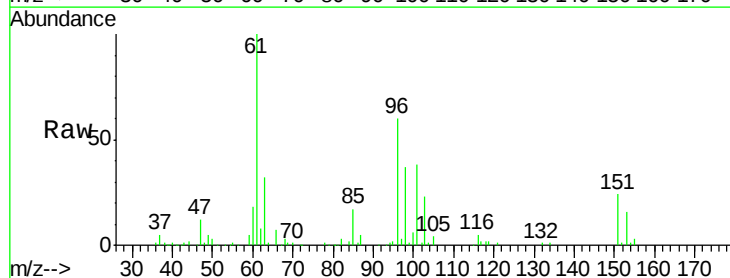
MMDadoda
 9/6/2019 12:31:48 PM

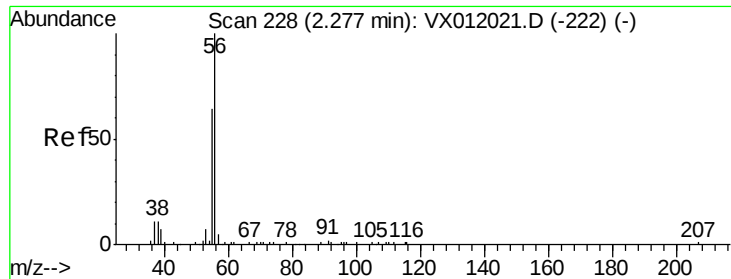


#12

1,1-Dichloroethene
 Concen: 18.683 ug/l
 RT: 2.36 min Scan# 241
 Delta R.T. -0.01 min
 Lab File: VX012120.D
 Acq: 06 Sep 2019 01:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.6	124.1	186.1
98	61.9	50.2	75.2





#13

Acrolein

Concen: 115.827 ug/l

RT: 2.28 min Scan# 228

Delta R.T. 0.00 min

Lab File: VX012120.D

Acq: 06 Sep 2019 01:29

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS02

Tot Ion: 56 Resp: 4911

Ion Ratio Lower Upper

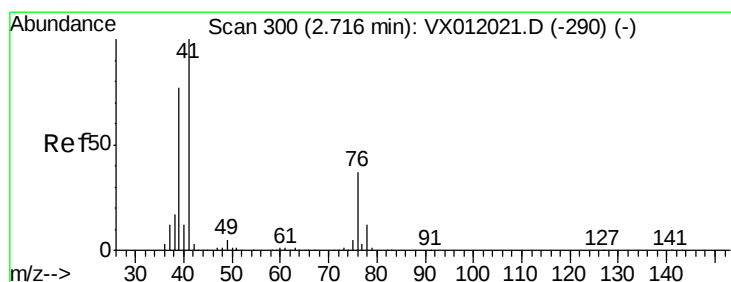
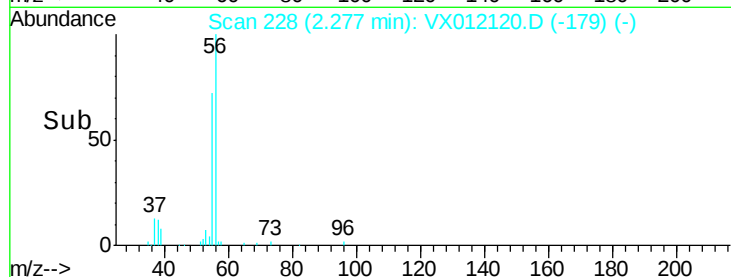
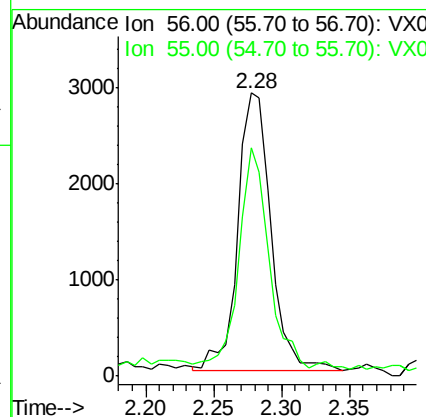
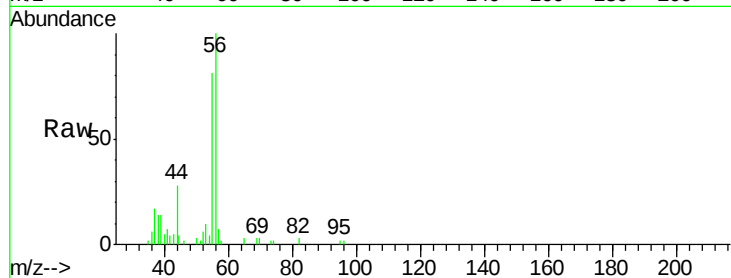
56 100

55 71.0 59.2 88.8

Manual Integrations
APPROVED

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#14

Allyl chloride

Concen: 20.297 ug/l

RT: 2.71 min Scan# 299

Delta R.T. -0.01 min

Lab File: VX012120.D

Acq: 06 Sep 2019 01:29

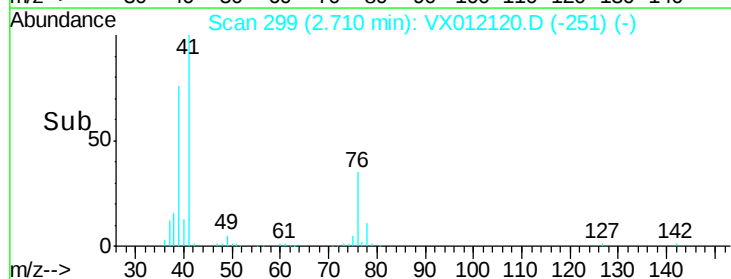
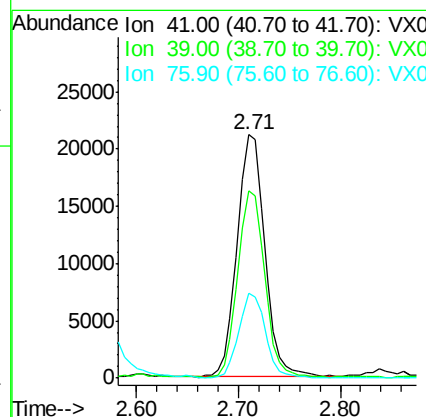
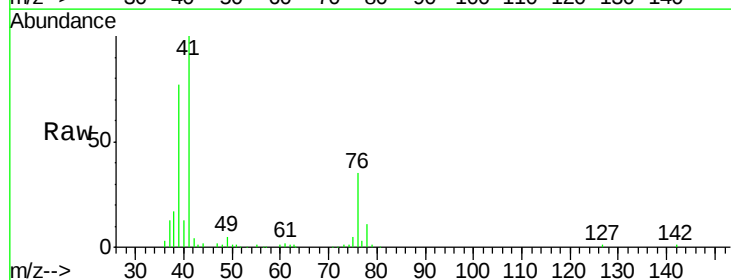
Tgt Ion: 41 Resp: 39901

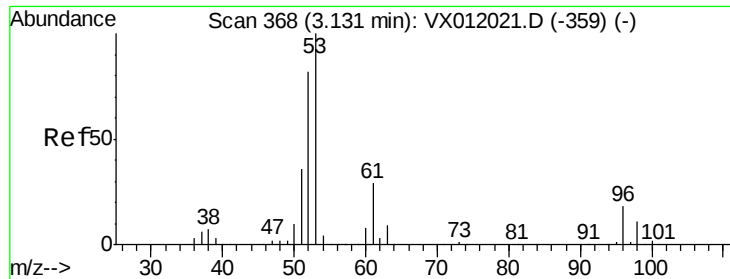
Ion Ratio Lower Upper

41 100

39 74.7 57.9 86.9

76 33.6 28.5 42.7





#15

Acrylonitrile

Concen: 113.154 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.01 min

Lab File: VX012120.D

Acq: 06 Sep 2019 01:29

Instrument :

MSVOA_X

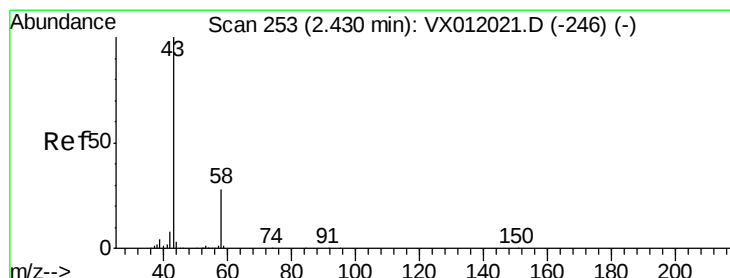
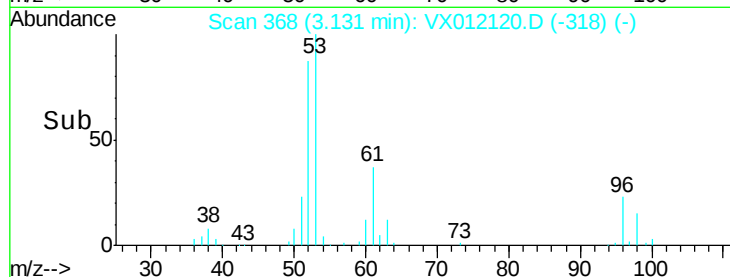
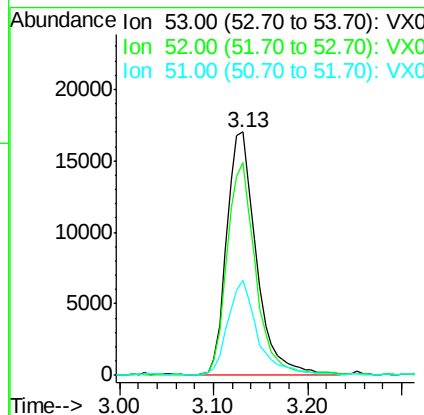
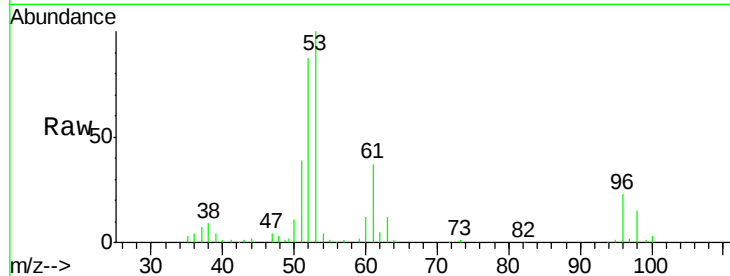
ClientSampled :

VX0905SBS02

Tot Ion:	53	Resp:	37414
Ion	Ratio	Lower	Upper
53	100		
52	84.1	65.6	98.4
51	39.2	29.8	44.6

Manual Integrations
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#16

Acetone

Concen: 94.153 ug/l

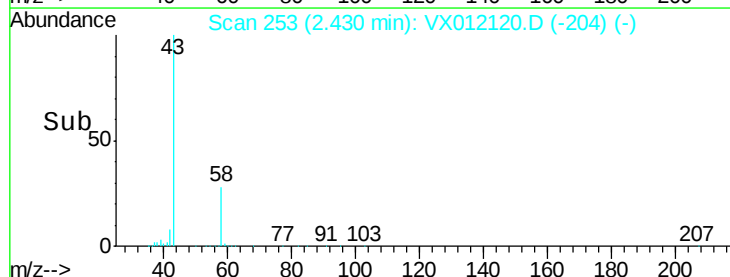
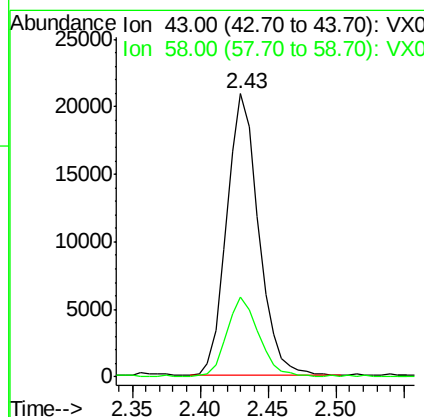
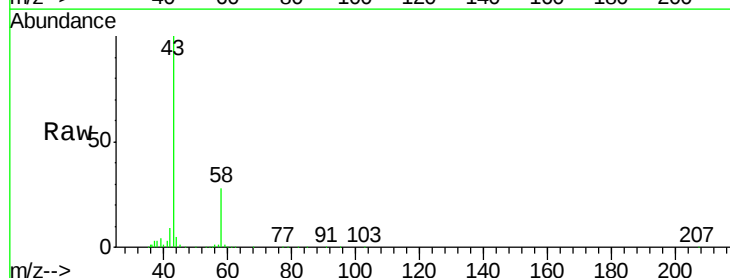
RT: 2.43 min Scan# 253

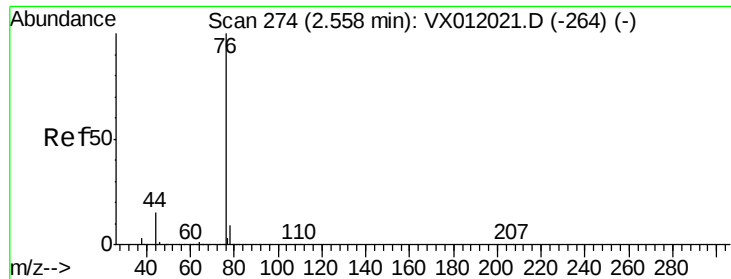
Delta R.T. -0.00 min

Lab File: VX012120.D

Acq: 06 Sep 2019 01:29

Tgt Ion:	43	Resp:	34260
Ion	Ratio	Lower	Upper
43	100		
58	28.3	22.8	34.2





#17

Carbon Disulfide

Concen: 16.224 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.01 min

Lab File: VX012120.D

Acq: 06 Sep 2019 01:29

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS02

Tot Ion: 76 Resp: 51512

Ion Ratio Lower Upper

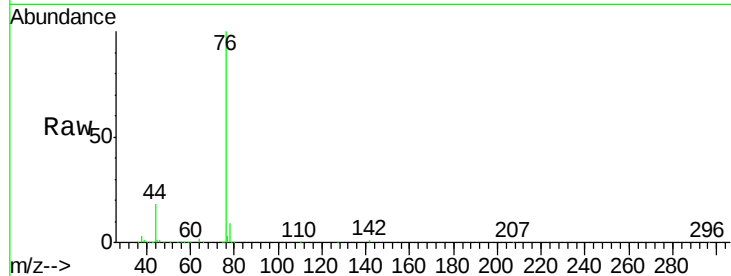
76 100

78 9.4 7.4 11.2

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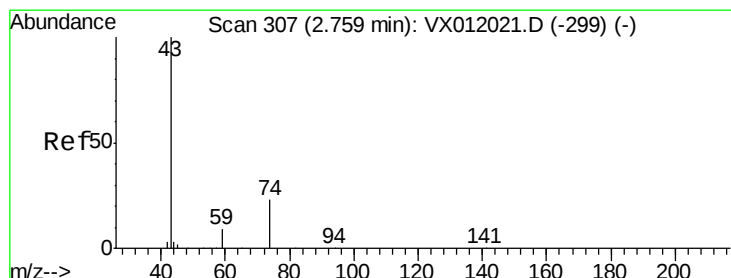
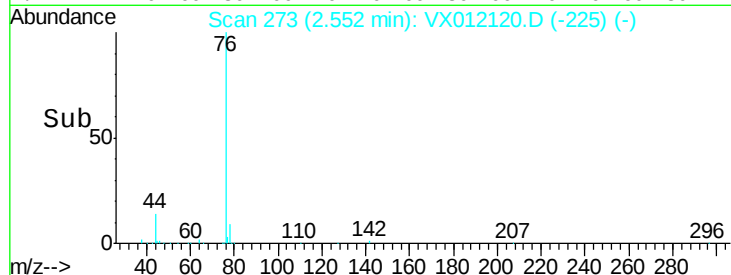
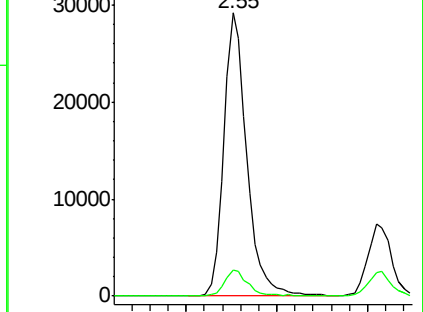
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 26.939 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.00 min

Lab File: VX012120.D

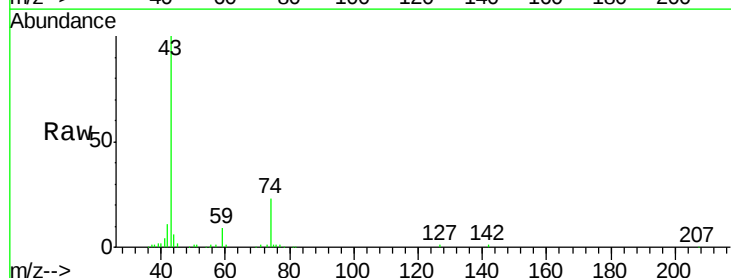
Acq: 06 Sep 2019 01:29

Tgt Ion: 43 Resp: 23092

Ion Ratio Lower Upper

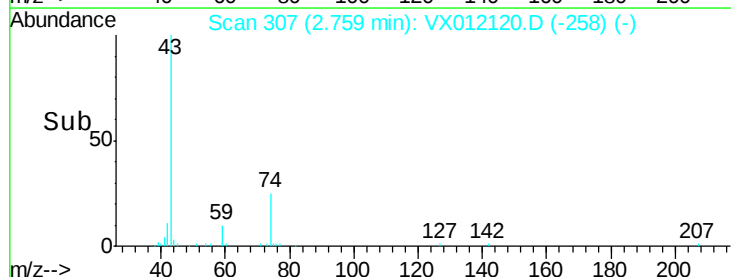
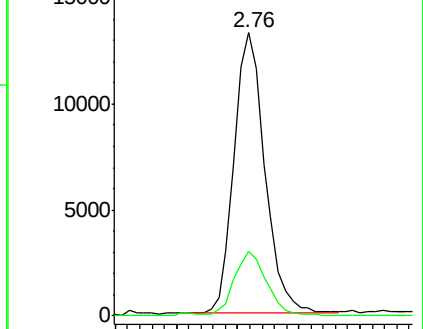
43 100

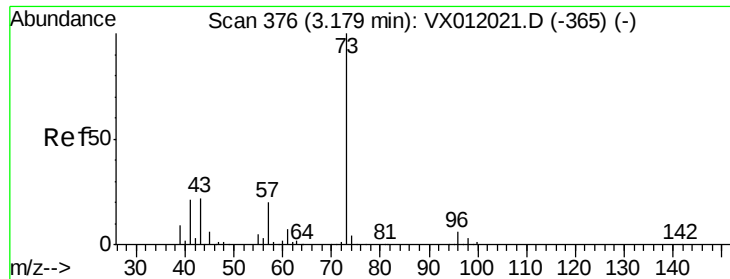
74 24.4 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





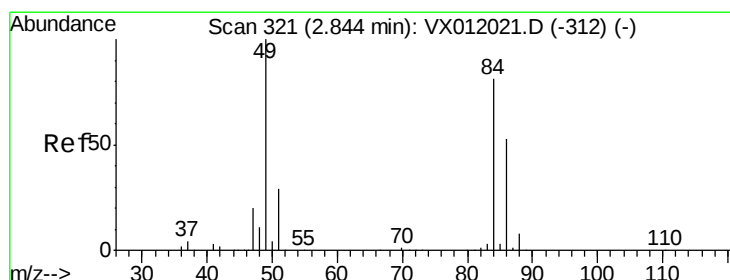
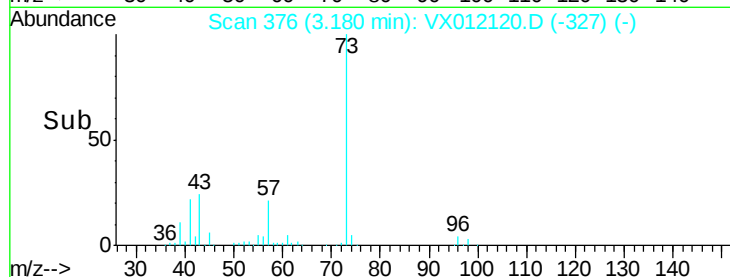
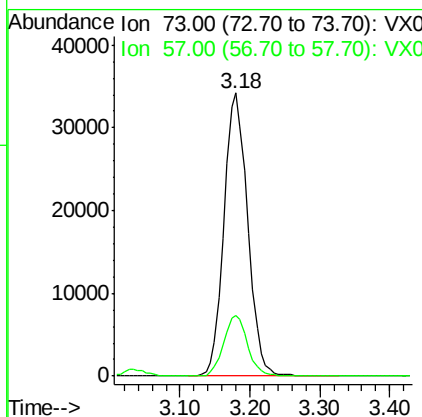
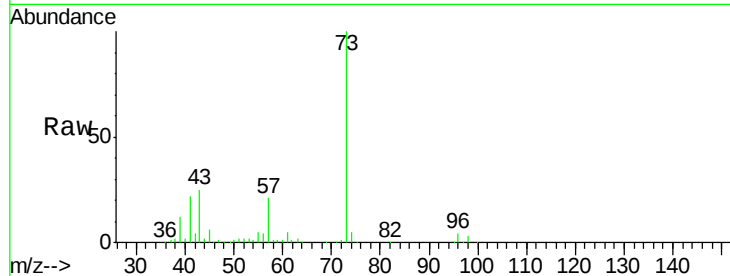
#19
Methvl tert-butvl Ether
Concen: 22.790 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX012120.D
Acq: 06 Sep 2019 01:29

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS02

Tot Ion: 73 Resp: 80606
Ion Ratio Lower Upper
73 100
57 21.4 16.6 25.0

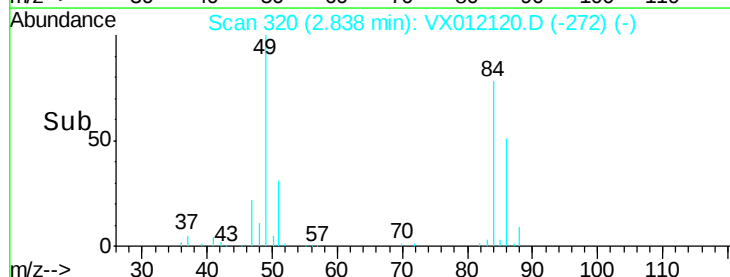
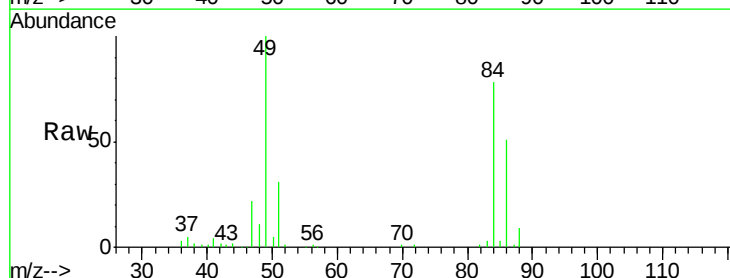
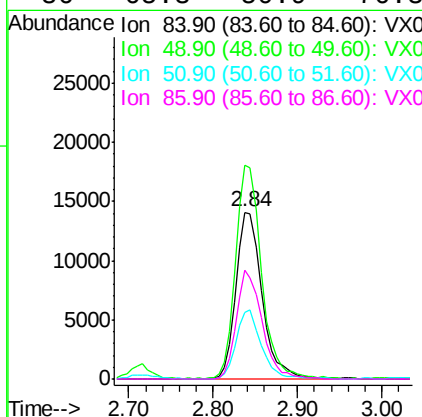
Manual Integrations
APPROVED

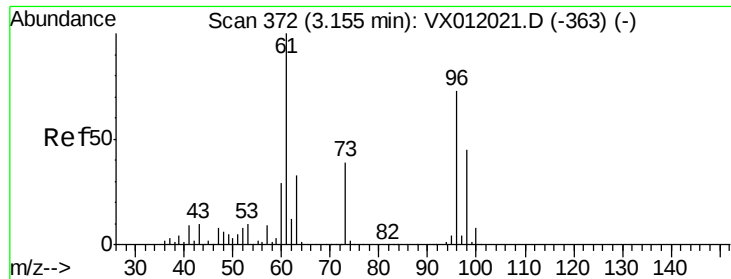
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#20
Methylene Chloride
Concen: 20.187 ug/l
RT: 2.84 min Scan# 320
Delta R.T. -0.01 min
Lab File: VX012120.D
Acq: 06 Sep 2019 01:29

Tgt Ion: 84 Resp: 29497
Ion Ratio Lower Upper
84 100
49 127.5 95.8 143.8
51 39.7 28.6 43.0
86 65.3 50.9 76.3





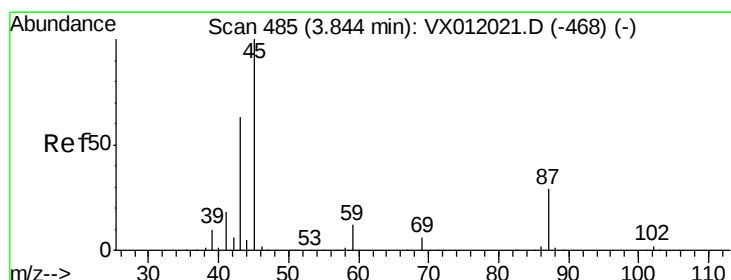
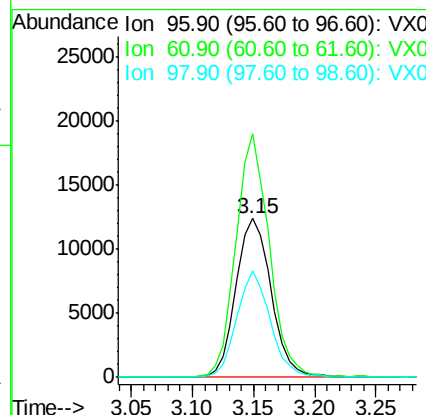
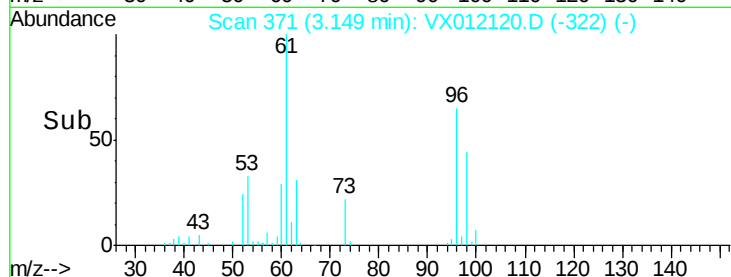
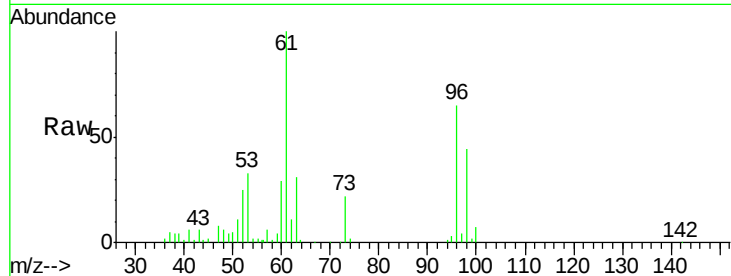
#21
trans-1,2-Dichloroethene
Concen: 19.395 ug/l
RT: 3.15 min Scan# 371
Delta R.T. -0.00 min
Lab File: VX012120.D
Acq: 06 Sep 2019 01:29

Instrument :
MSVOA_X
ClientSampled :
VX0905SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.5	107.0	160.6
98	67.0	49.8	74.6

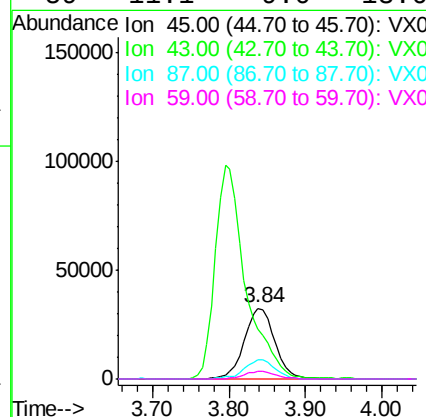
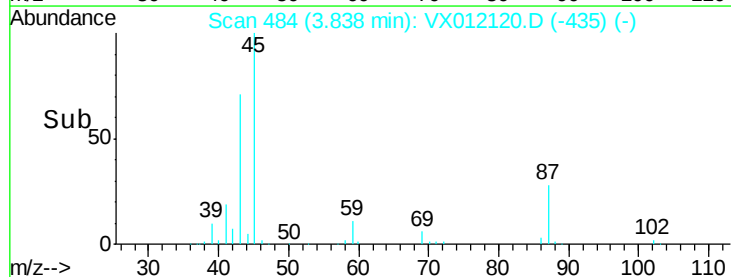
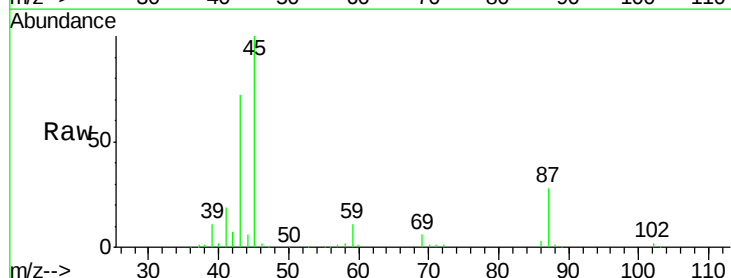
Manual Integrations
APPROVED

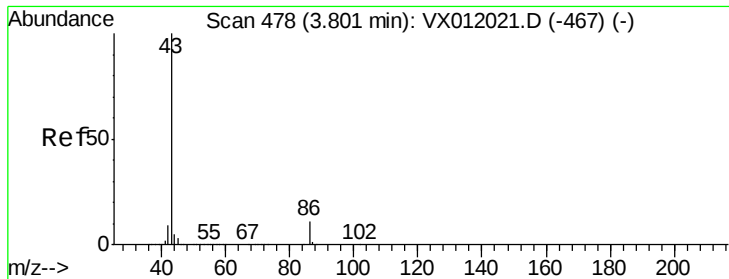
MMDadoda
9/6/2019 12:31:48 PM



#22
Diisopropyl ether
Concen: 22.578 ug/l
RT: 3.84 min Scan# 484
Delta R.T. -0.00 min
Lab File: VX012120.D
Acq: 06 Sep 2019 01:29

Tgt Ion	Ratio	Lower	Upper
45	100		
43	70.5	54.2	81.4
87	27.6	23.4	35.0
59	11.1	9.0	13.6





#23

Vinyl Acetate

Concen: 105.090 ug/l

RT: 3.80 min Scan# 477

Delta R.T. -0.01 min

Lab File: VX012120.D

Acq: 06 Sep 2019 01:29

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS02

Tot Ion: 43 Resp: 272395

Ion Ratio Lower Upper

43 100

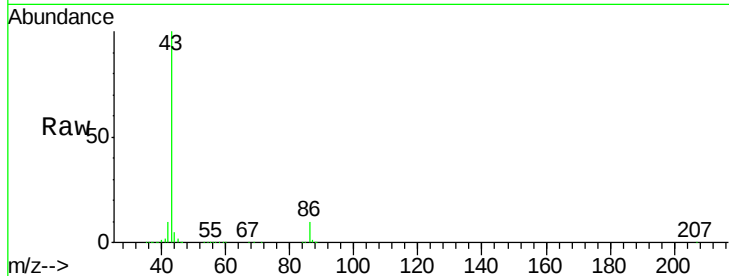
86 10.5 9.0 13.6

Manual Integrations

APPROVED

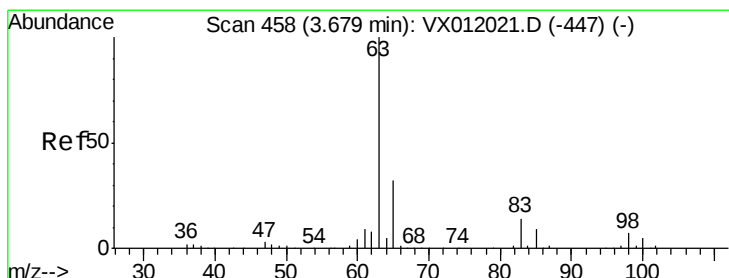
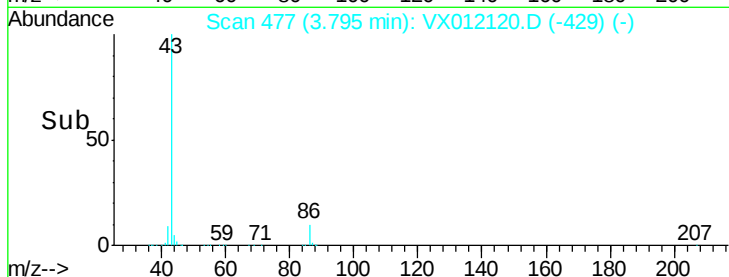
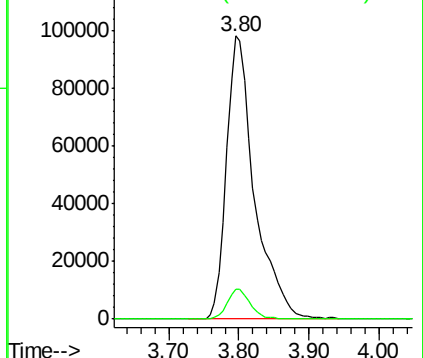
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 21.245 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.00 min

Lab File: VX012120.D

Acq: 06 Sep 2019 01:29

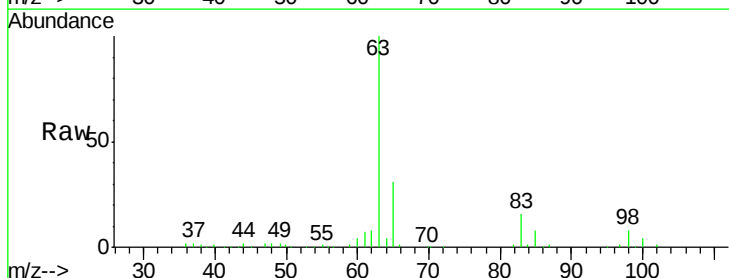
Tgt Ion: 63 Resp: 49372

Ion Ratio Lower Upper

63 100

98 7.7 3.9 11.7

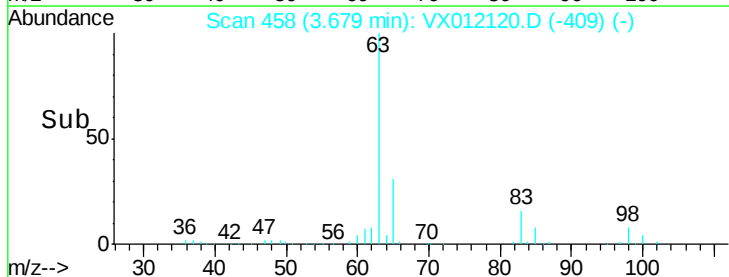
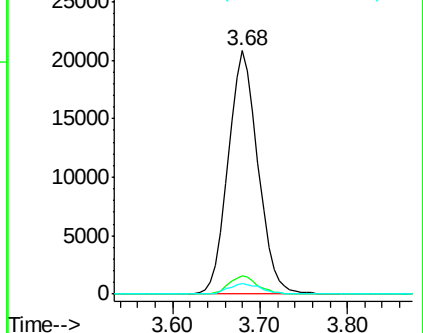
100 4.4 2.5 7.4

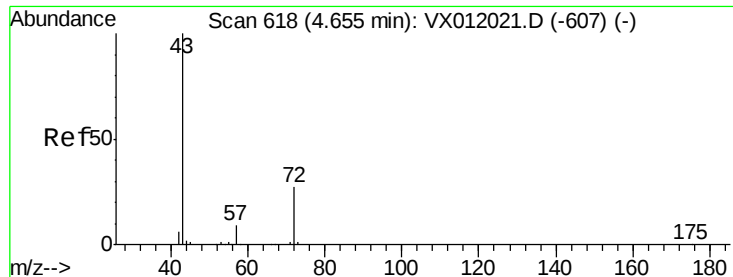


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 110.654 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX012120.D

Acq: 06 Sep 2019 01:29

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS02

Tot Ion: 43 Resp: 51253

Ion Ratio Lower Upper

43 100

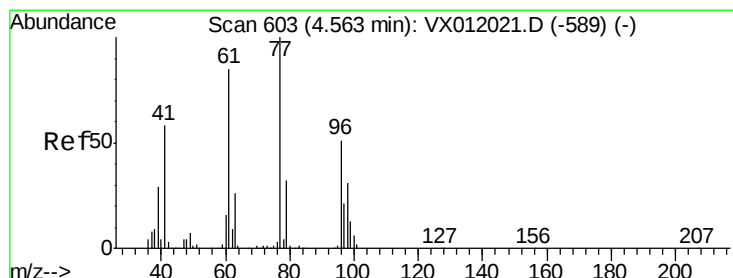
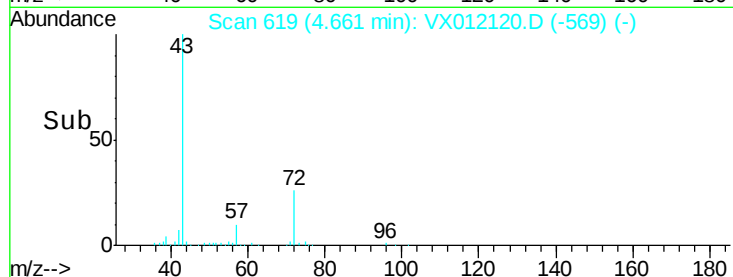
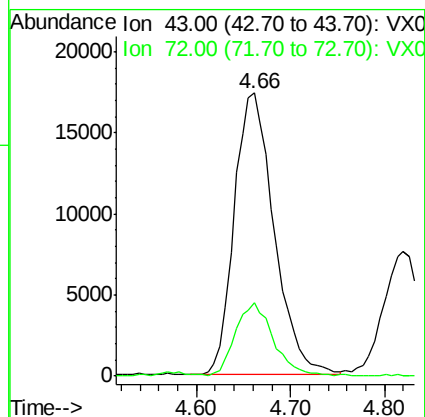
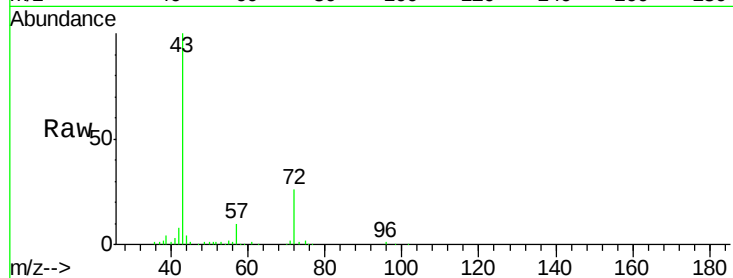
72 25.8 21.3 31.9

Manual Integrations

APPROVED

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#26

2,2-Dichloropropane

Concen: 17.202 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX012120.D

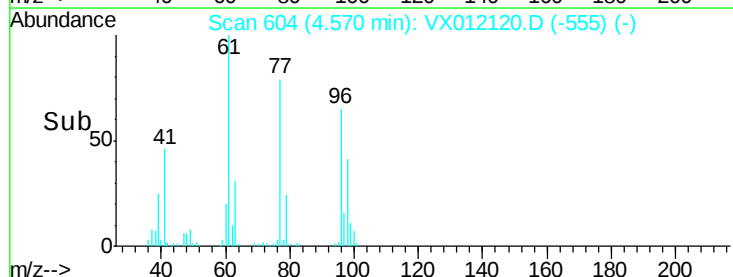
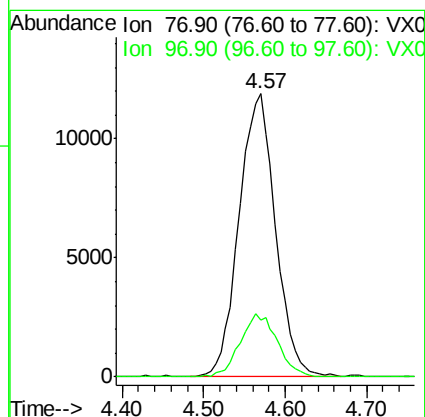
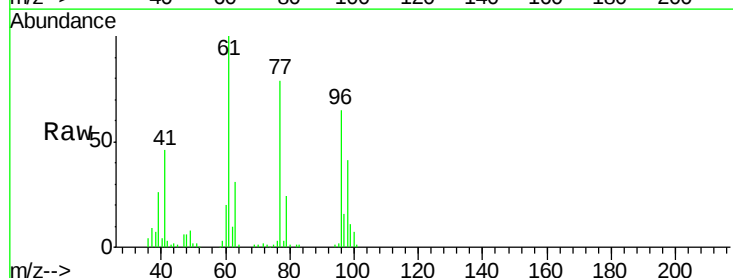
Acq: 06 Sep 2019 01:29

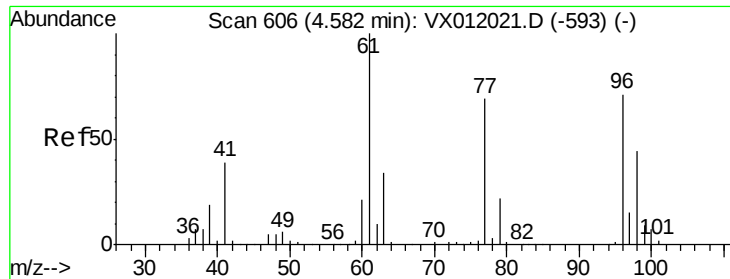
Tgt Ion: 77 Resp: 36908

Ion Ratio Lower Upper

77 100

97 22.6 11.5 34.5





#27

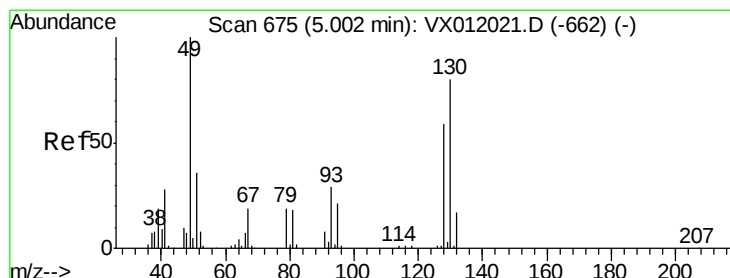
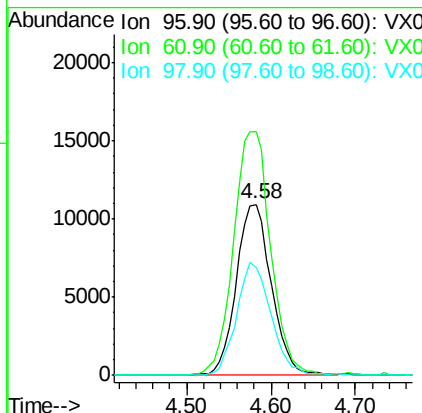
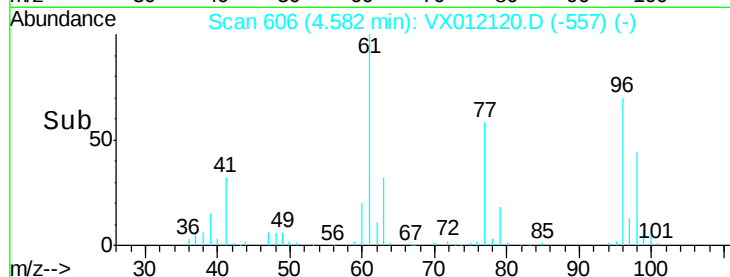
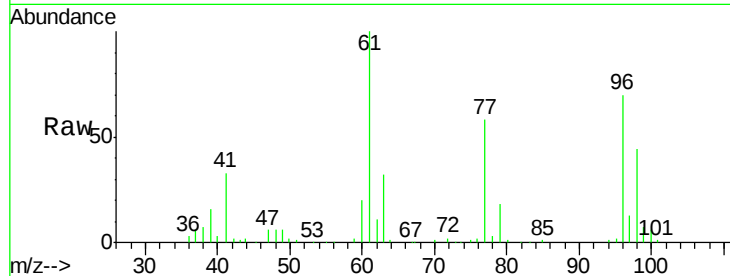
cis-1,2-Dichloroethene
Concen: 20.668 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX012120.D
Acq: 06 Sep 2019 01:29

Instrument :
MSVOA_X
ClientSampled :
VX0905SBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	30887		
61	150.2	0.0	277.0	
98	64.3	0.0	128.4	

Manual Integrations
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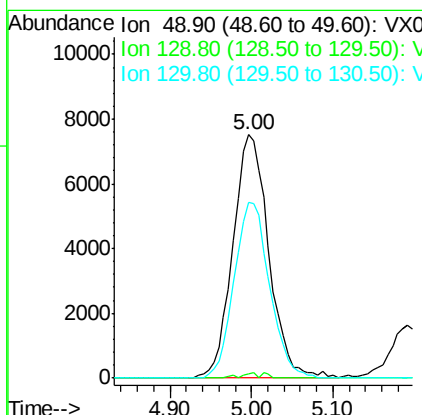
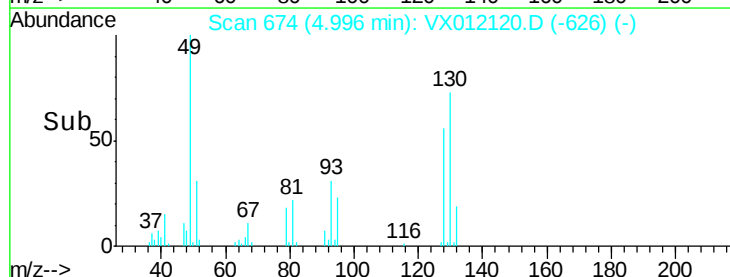
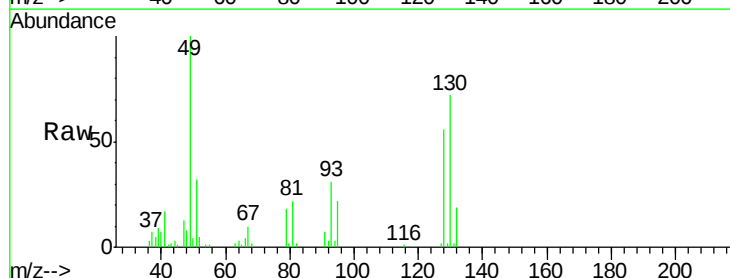
MMDadoda
9/6/2019 12:31:48 PM

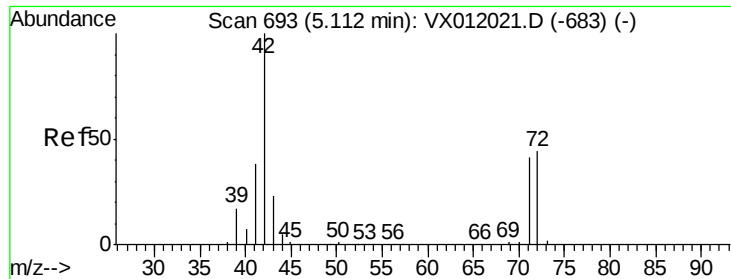


#28

Bromochloromethane
Concen: 24.740 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX012120.D
Acq: 06 Sep 2019 01:29

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	22950		
129	0.7	0.0	5.6	
130	71.2	76.7	115.1#	





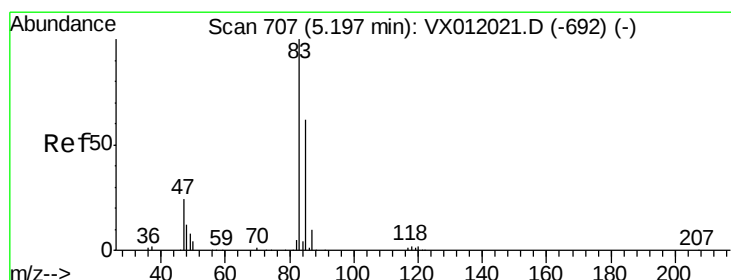
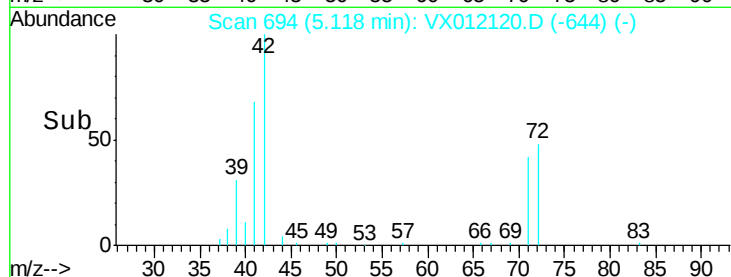
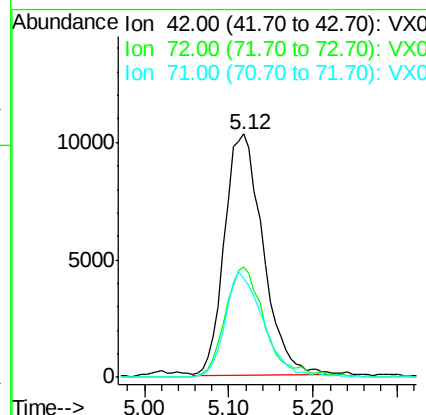
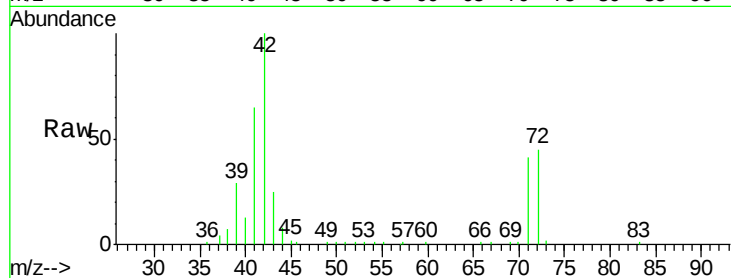
#29
Tetrahydrofuran
Concen: 115.534 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012120.D
Acq: 06 Sep 2019 01:29

Instrument :
MSVOA_X
ClientSampled :
VX0905SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.3	37.0	55.4
71	43.5	33.8	50.8

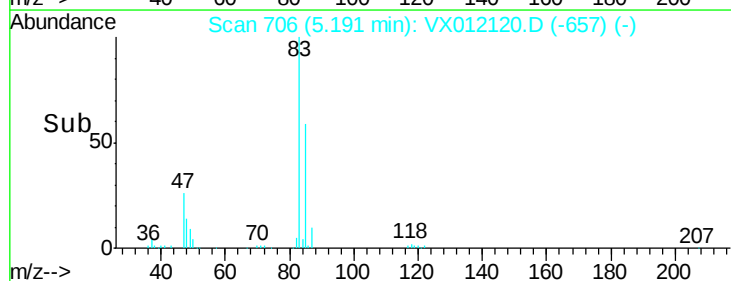
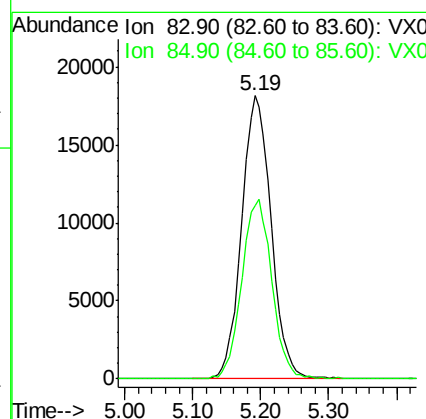
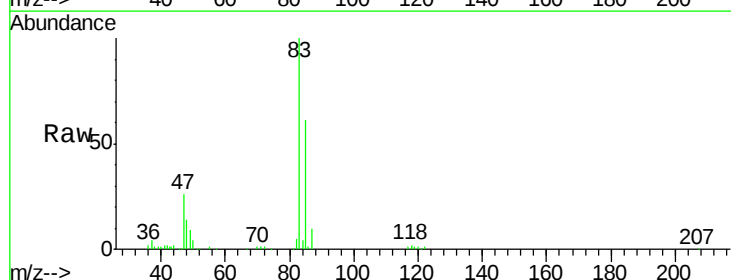
Manual Integrations
APPROVED

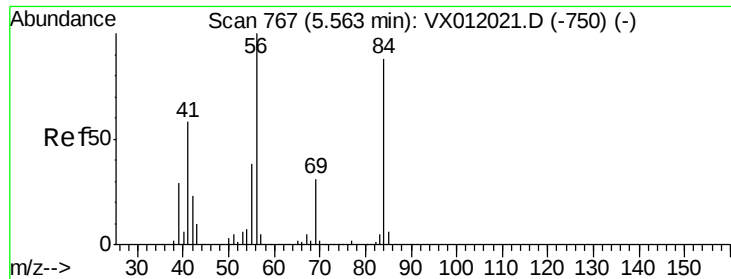
MMDadoda
9/6/2019 12:31:48 PM



#30
Chloroform
Concen: 21.918 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.00 min
Lab File: VX012120.D
Acq: 06 Sep 2019 01:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.3	52.6	78.8





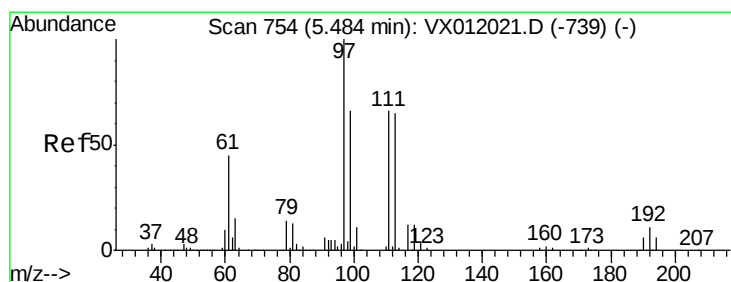
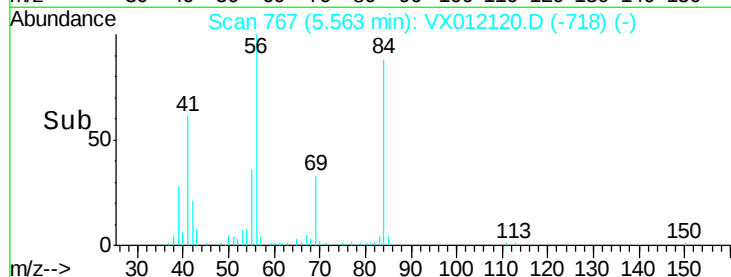
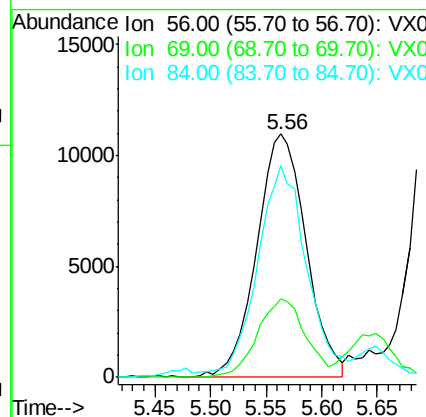
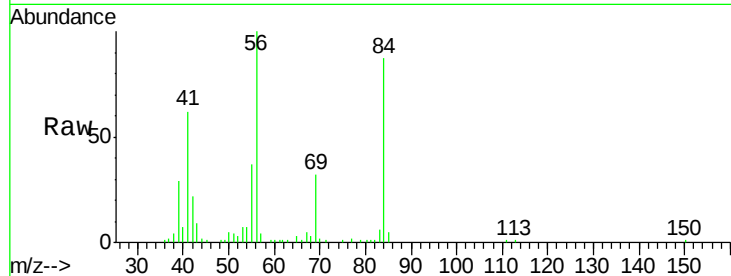
#31
Cyclohexane
Concen: 18.110 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.00 min
Lab File: VX012120.D
Acq: 06 Sep 2019 01:29

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.4	25.7	38.5
84	85.2	70.3	105.5

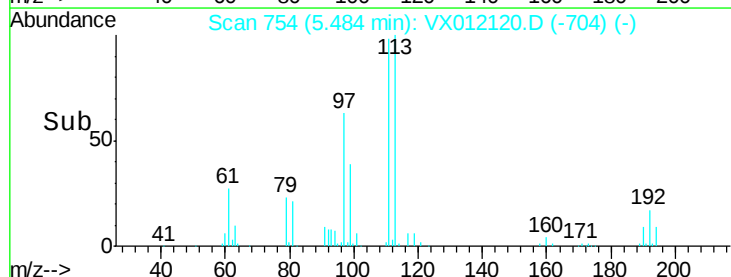
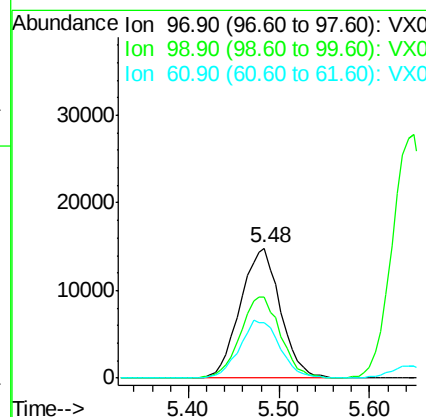
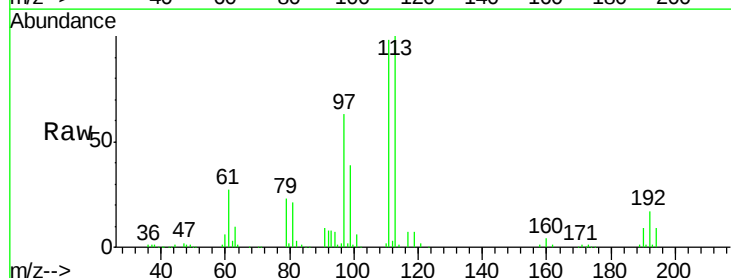
Manual Integrations
APPROVED

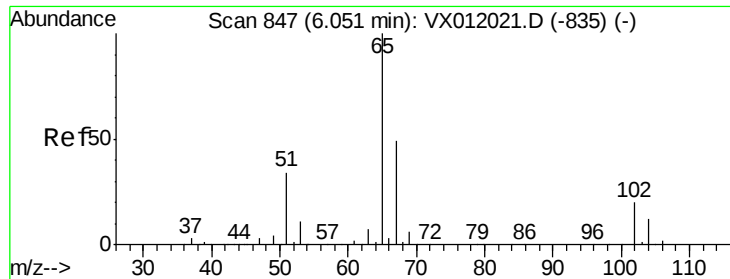
MMDadoda
9/6/2019 12:31:48 PM



#32
1,1,1-Trichloroethane
Concen: 20.881 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.01 min
Lab File: VX012120.D
Acq: 06 Sep 2019 01:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	52.1	78.1
61	45.0	32.8	49.2





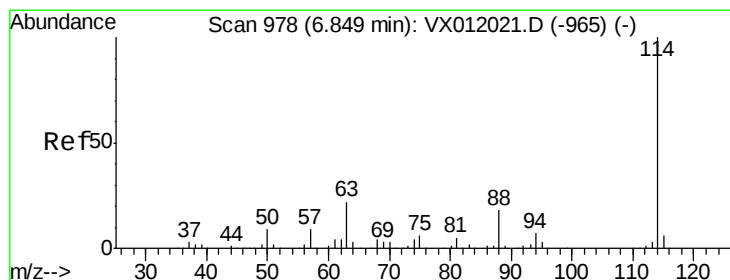
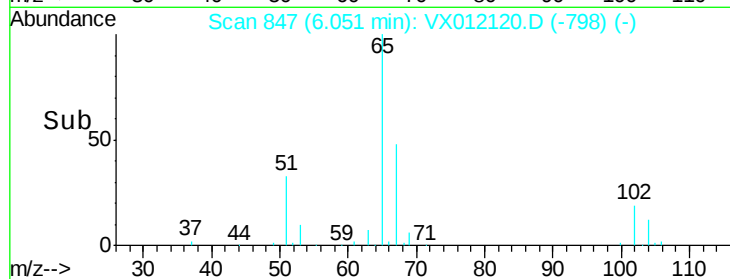
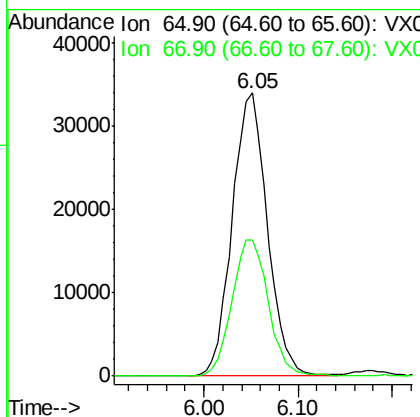
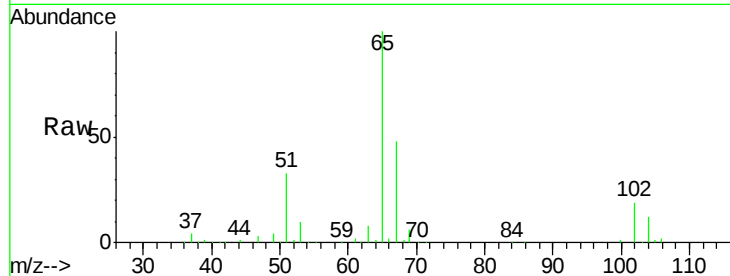
#33
 1,2-Dichloroethane-d4
 Concen: 58.200 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012120.D
 Acq: 06 Sep 2019 01:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	102.0

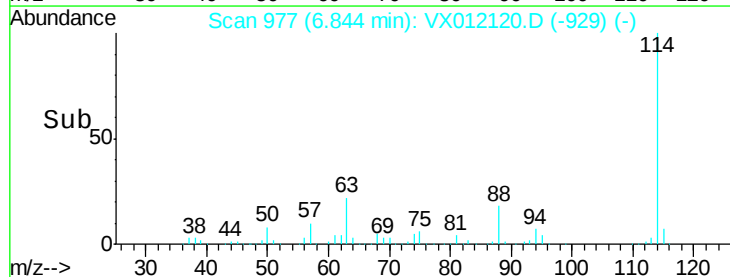
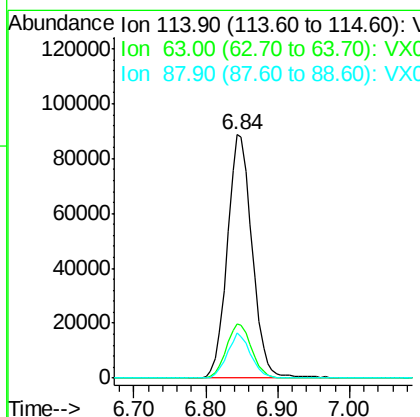
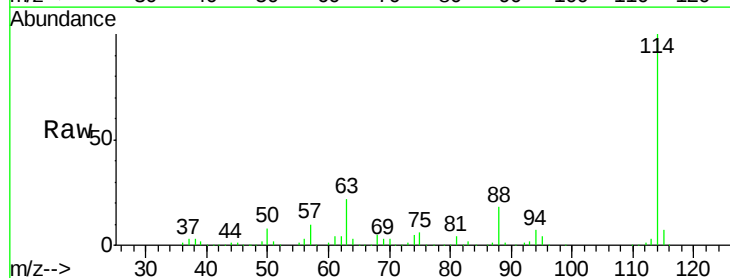
Manual Integrations
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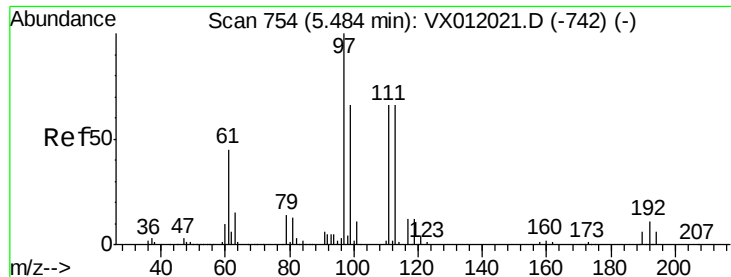
MMDadoda
 9/6/2019 12:31:48 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VX012120.D
 Acq: 06 Sep 2019 01:29

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	37.4
88	18.4	0.0	29.6





#35

Dibromofluoromethane

Concen: 50.409 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012120.D

Acq: 06 Sep 2019 01:29

Instrument :

MSVOA_X

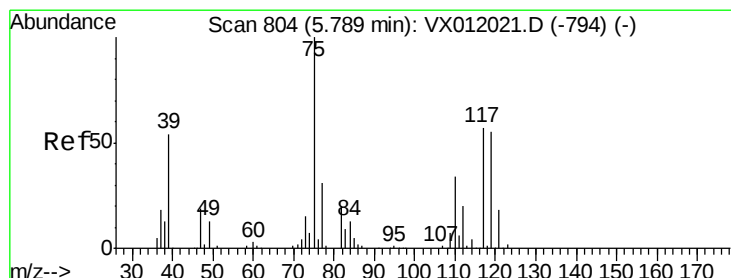
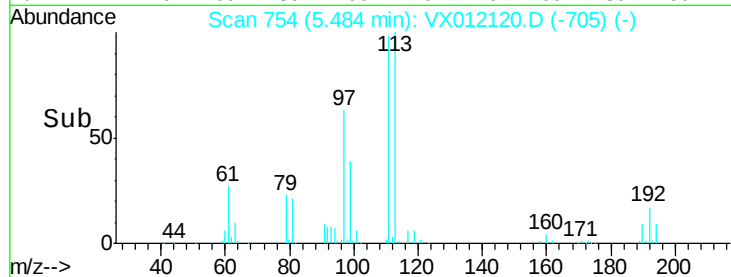
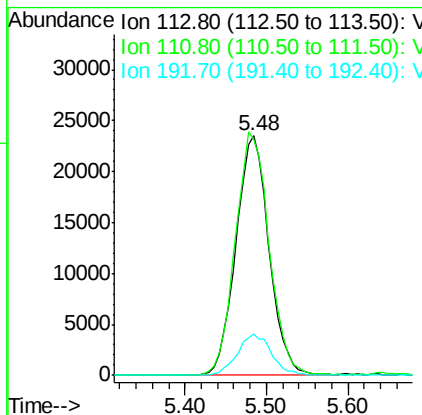
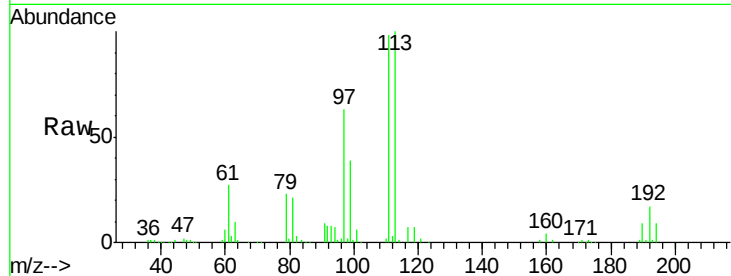
ClientSampleId :

VX0905SBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	66105		
111	103.4	81.7	122.5	
192	17.5	22.5	33.7	

Manual Integrations
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9/6/2019 12:31:48 PM



#36

1,1-Dichloropropene

Concen: 18.330 ug/l

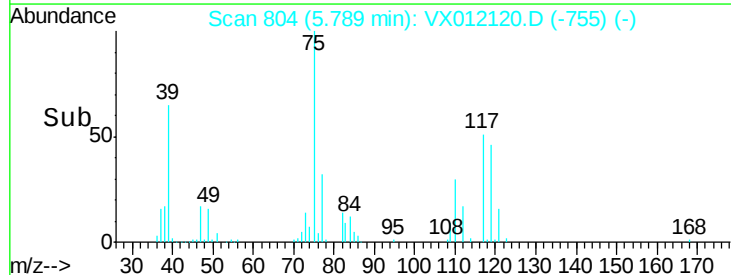
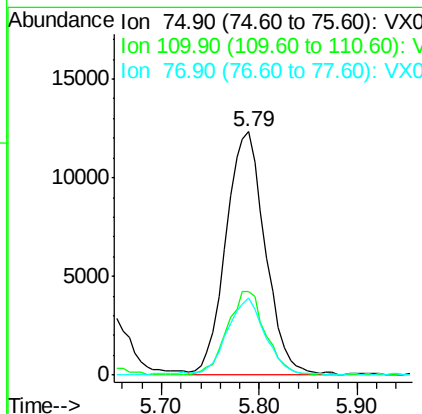
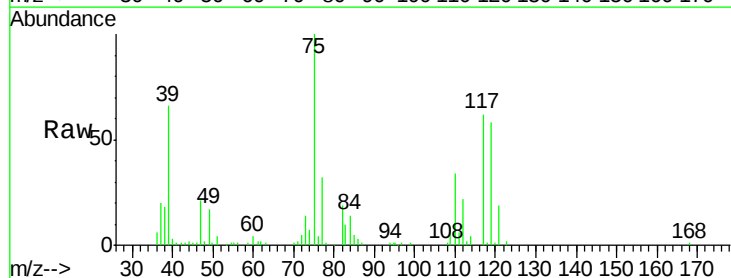
RT: 5.79 min Scan# 804

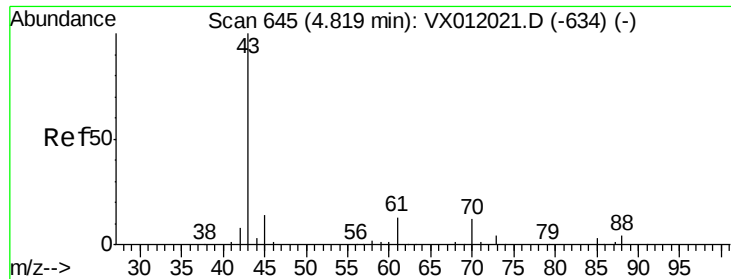
Delta R.T. -0.00 min

Lab File: VX012120.D

Acq: 06 Sep 2019 01:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	34425		
110	33.3	19.5	58.5	
77	31.5	24.6	37.0	





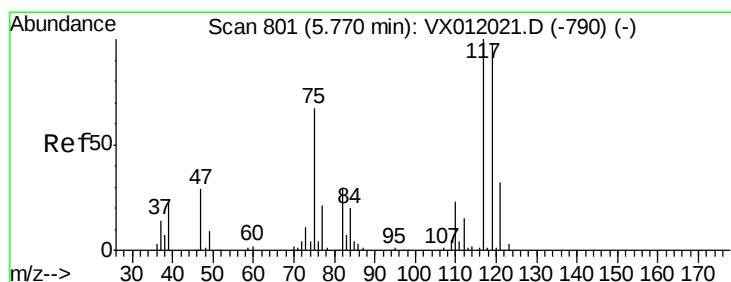
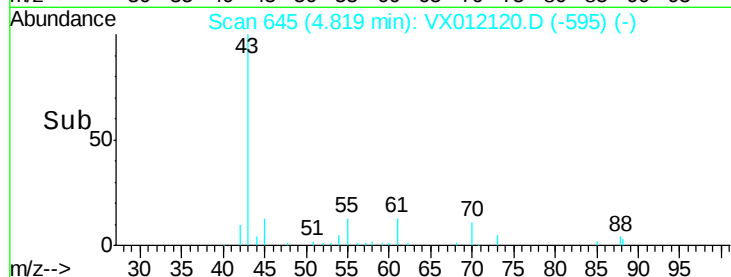
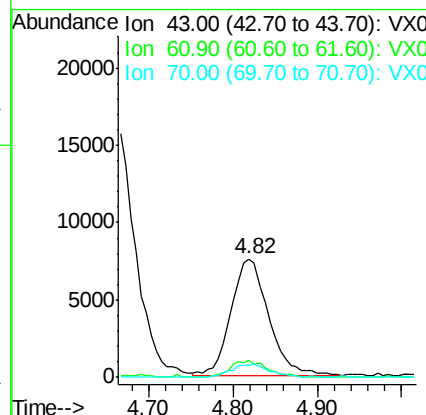
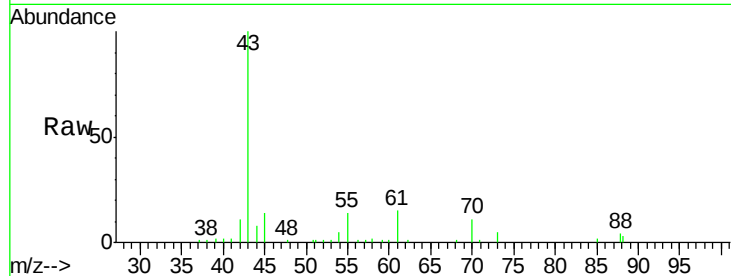
#37
Ethyl Acetate
Concen: 22.366 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.01 min
Lab File: VX012120.D
Acq: 06 Sep 2019 01:29

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.9	16.3
70	11.4	9.4	14.0

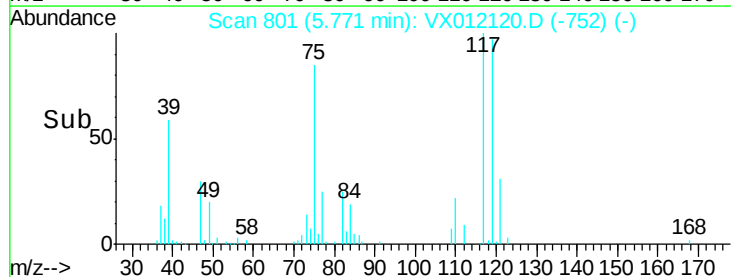
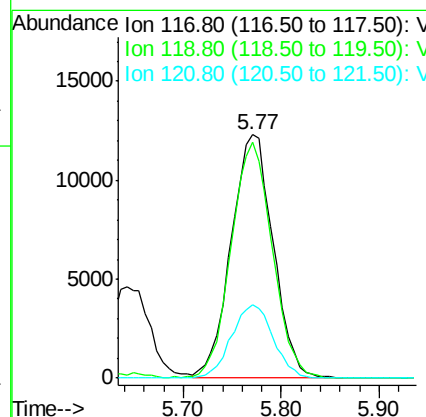
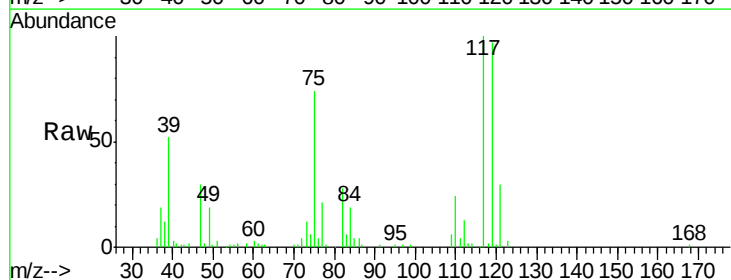
Manual Integrations
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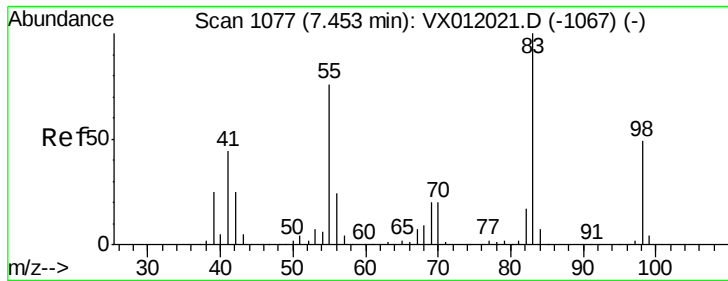
MMDadoda
9/6/2019 12:31:48 PM



#38
Carbon Tetrachloride
Concen: 18.524 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX012120.D
Acq: 06 Sep 2019 01:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	78.3	117.5
121	30.2	24.2	36.2





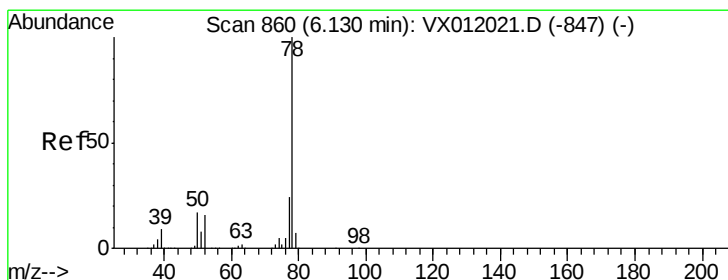
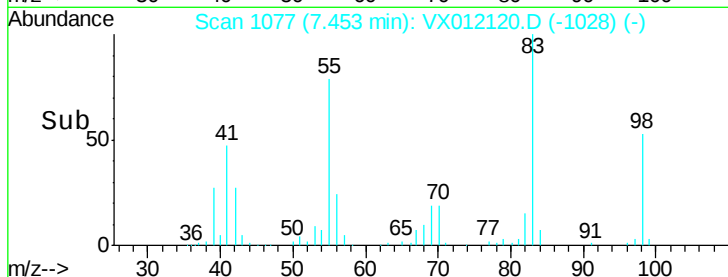
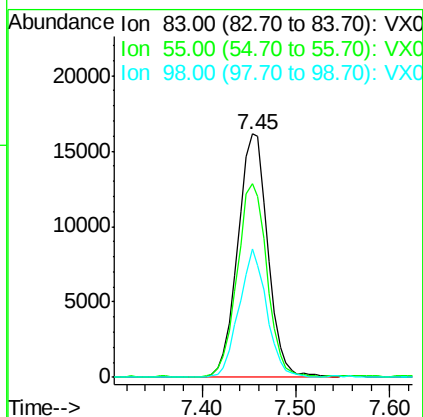
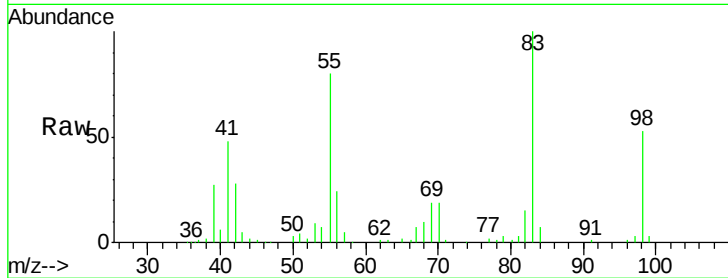
#39
Methvlcvclohexane
Concen: 16.577 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX012120.D
Acq: 06 Sep 2019 01:29

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS02

Tot Ion	83	Resp	36133
Ion Ratio	Lower	Upper	
83	100		
55	79.2	59.6	89.4
98	52.8	41.4	62.0

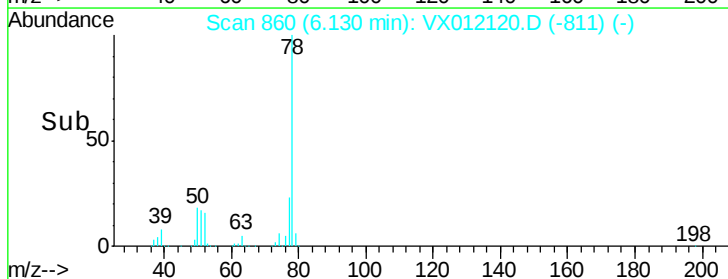
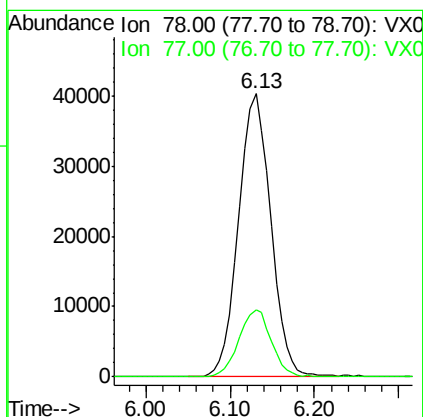
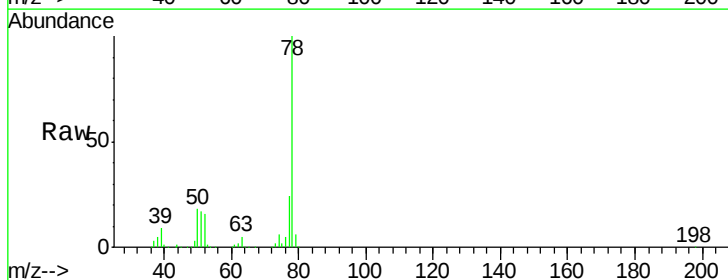
Manual Integrations
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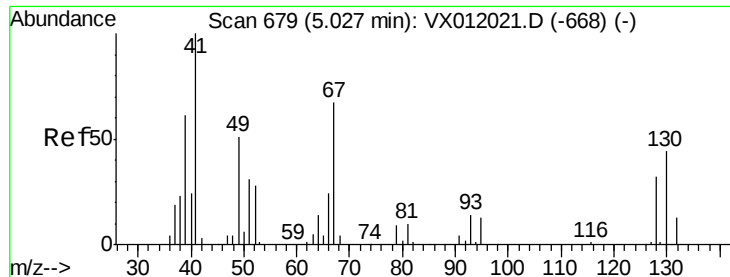
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9/6/2019 12:31:48 PM



#40
Benzene
Concen: 19.351 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012120.D
Acq: 06 Sep 2019 01:29

Tgt Ion	78	Resp	104333
Ion Ratio	Lower	Upper	
78	100		
77	23.9	19.3	28.9





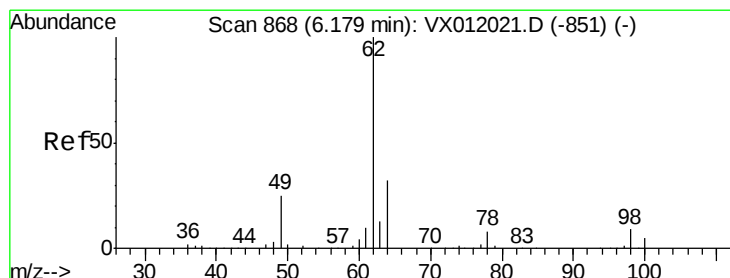
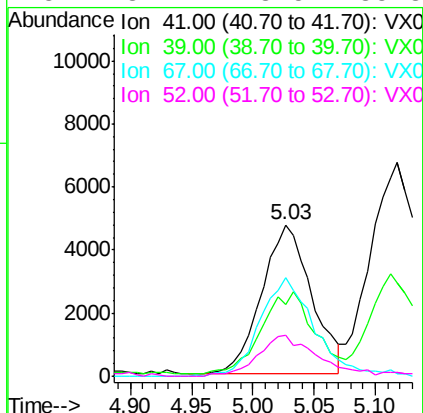
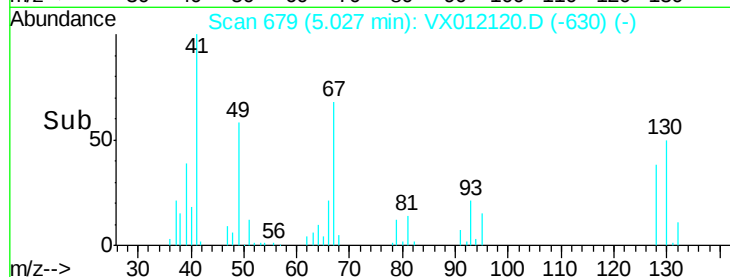
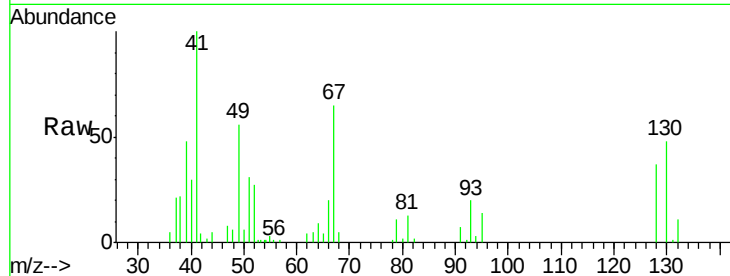
#41
Methacrylonitrile
Concen: 22.175 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.00 min
Lab File: VX012120.D
Acq: 06 Sep 2019 01:29

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS02

Tot Ion:	41	Resp:	13506
Ion	Ratio	Lower	Upper
41	100		
39	58.8	46.7	70.1
67	72.0	57.0	85.6
52	32.4	23.5	35.3

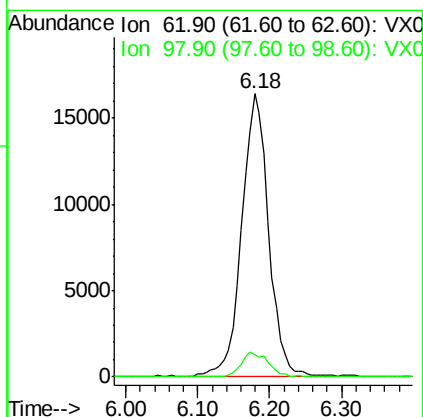
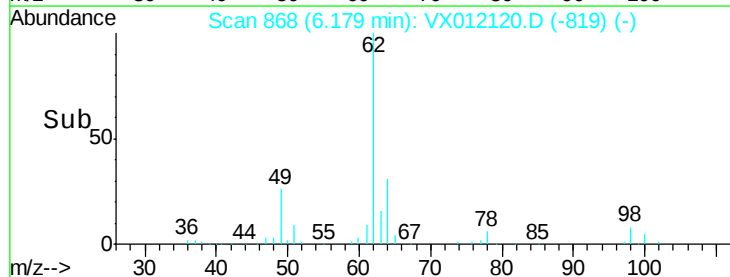
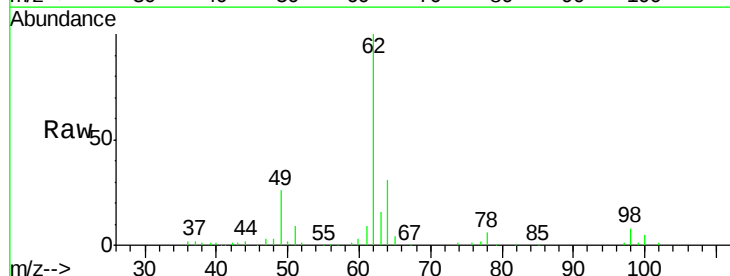
Manual Integrations
APPROVED

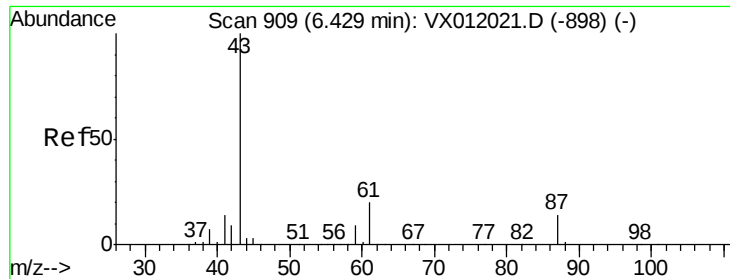
MMDadoda
9/6/2019 12:31:48 PM



#42
1,2-Dichloroethane
Concen: 21.964 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX012120.D
Acq: 06 Sep 2019 01:29

Tgt Ion:	62	Resp:	42617
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	19.2





#43

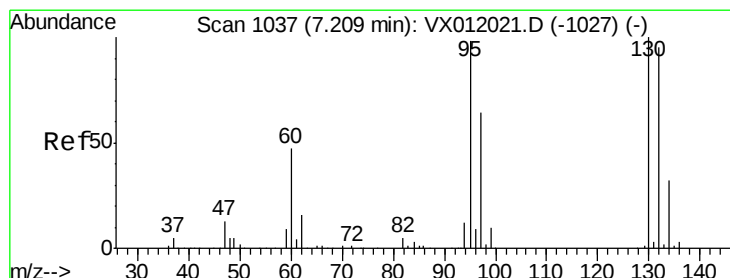
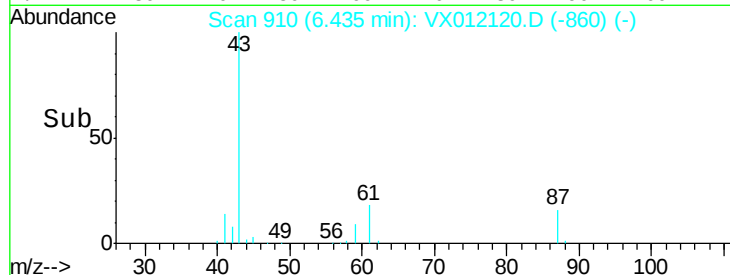
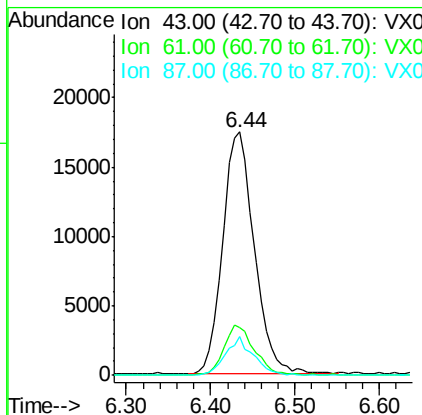
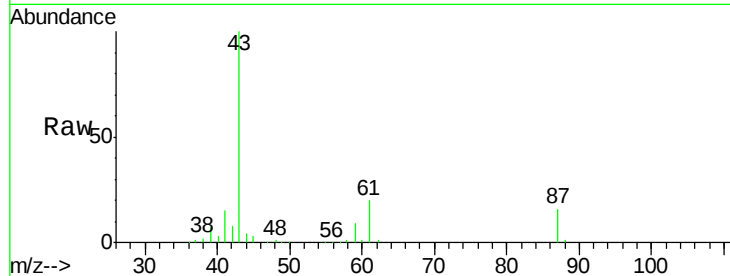
Isopropyl Acetate
 Concen: 21.601 ug/l
 RT: 6.44 min Scan# 910
 Delta R.T. 0.01 min
 Lab File: VX012120.D
 Acq: 06 Sep 2019 01:29

Instrument :
 MSVOA_X
 ClientSampled :
 VX0905SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.2	16.1	24.1
87	13.8	11.3	16.9

Manual Integrations
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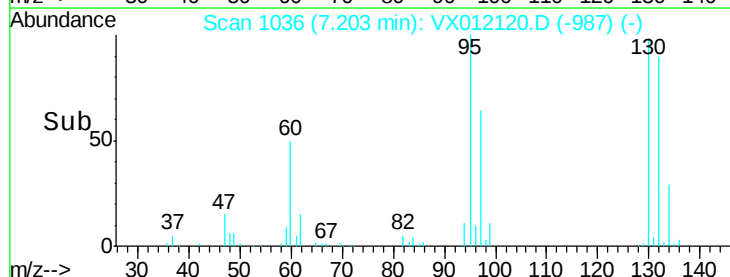
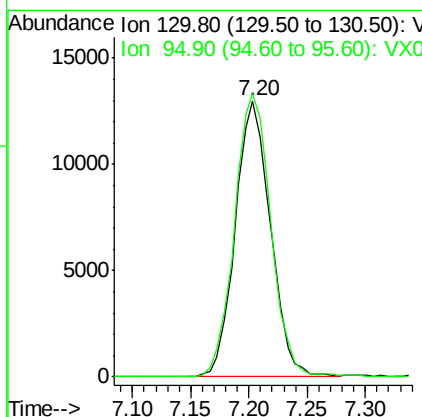
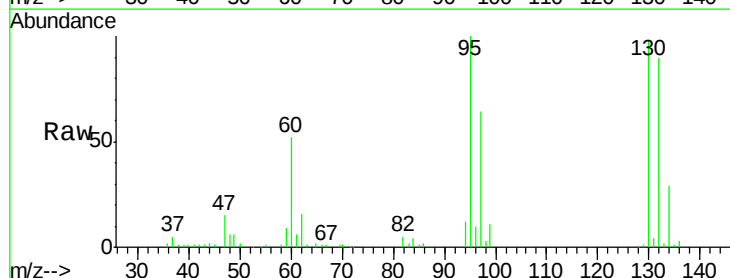
MMDadoda
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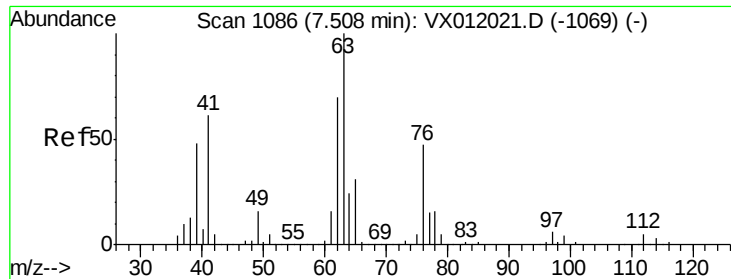


#44

Trichloroethene
 Concen: 18.839 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VX012120.D
 Acq: 06 Sep 2019 01:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	176.4





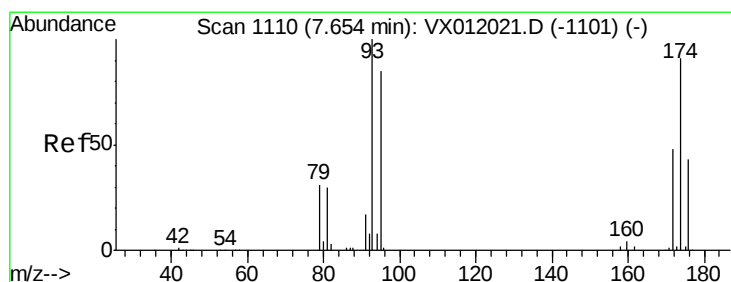
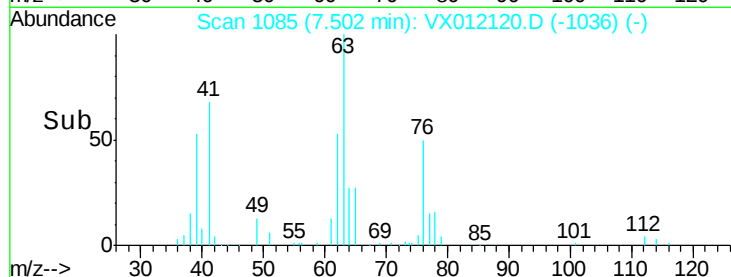
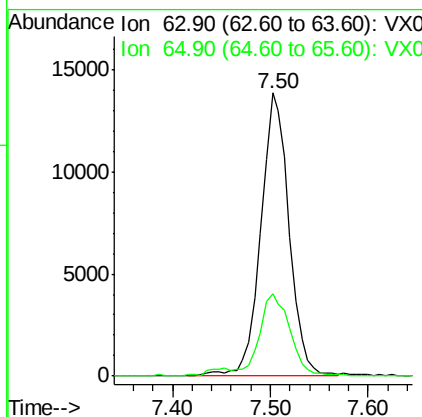
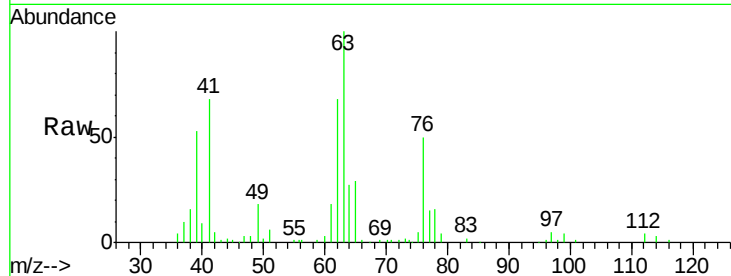
#45
 1,2-Dichloropropane
 Concen: 20.143 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX012120.D
 Acq: 06 Sep 2019 01:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS02

Tot Ion: 63 Resp: 28060
 Ion Ratio Lower Upper
 63 100
 65 28.6 25.0 37.6

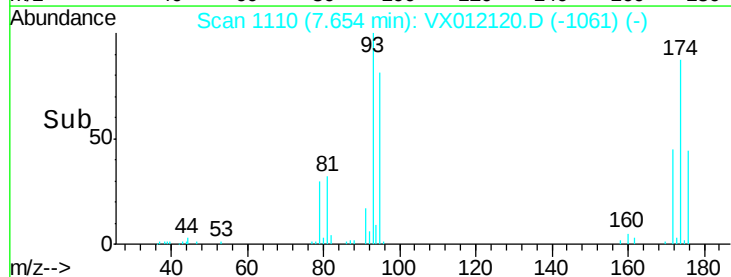
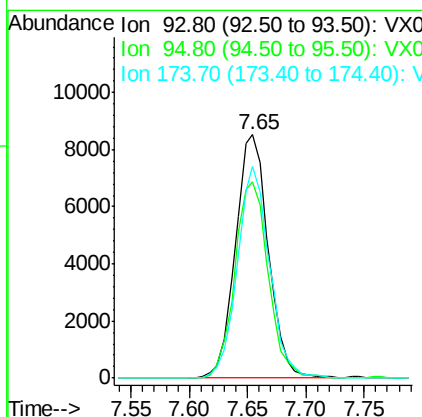
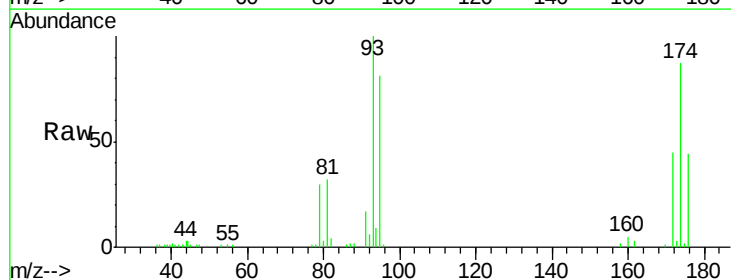
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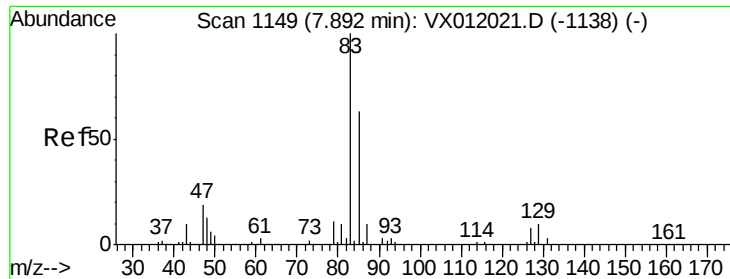
MMDadoda
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#46
 Dibromomethane
 Concen: 20.666 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX012120.D
 Acq: 06 Sep 2019 01:29

Tgt Ion: 93 Resp: 16805
 Ion Ratio Lower Upper
 93 100
 95 82.1 66.2 99.2
 174 84.7 110.2 165.4#





#47

Bromodichloromethane

Concen: 20.238 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX012120.D

Acq: 06 Sep 2019 01:29

Instrument :

MSVOA_X

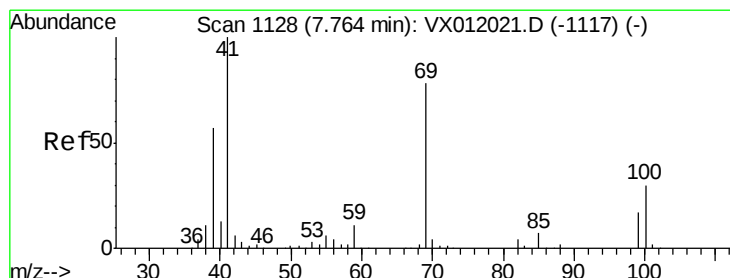
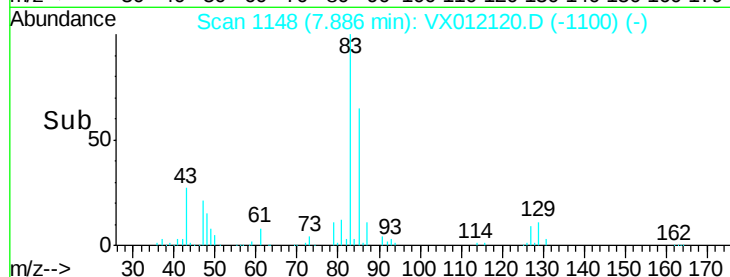
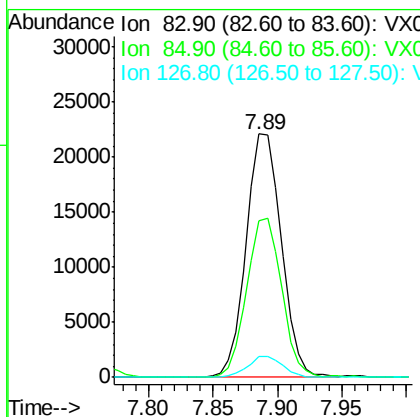
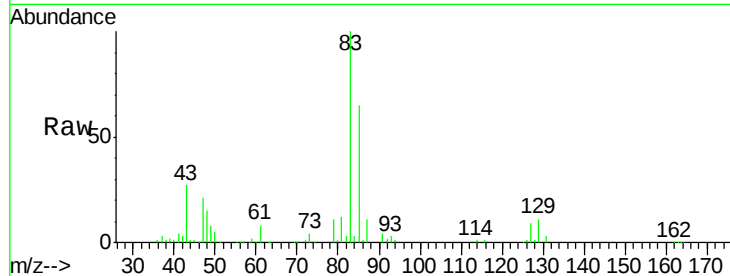
ClientSampleId :

VX0905SBS02

Tot Ion:	83	Resp:	41833
Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.3	75.5
127	8.6	8.1	12.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.029 ug/l

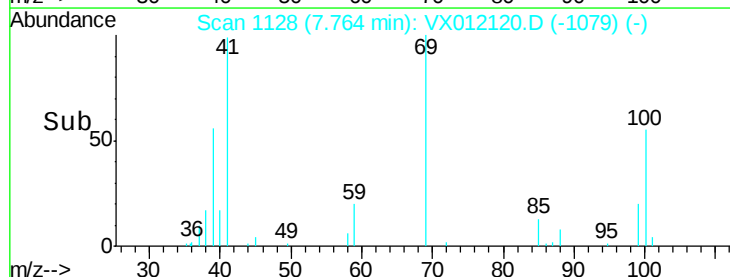
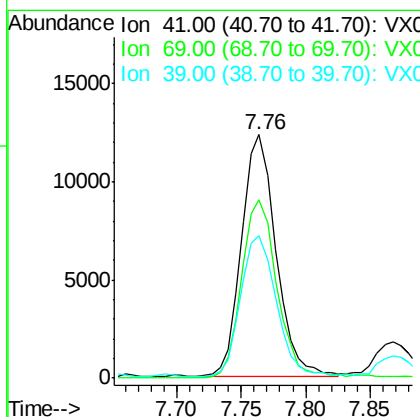
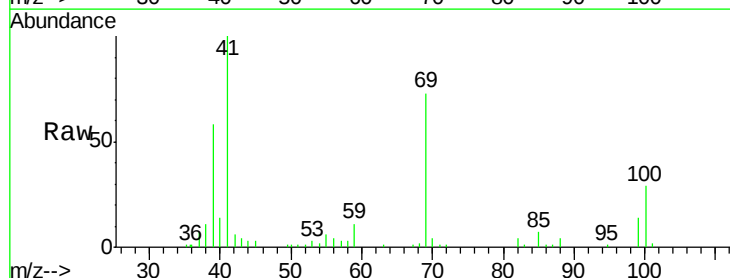
RT: 7.76 min Scan# 1128

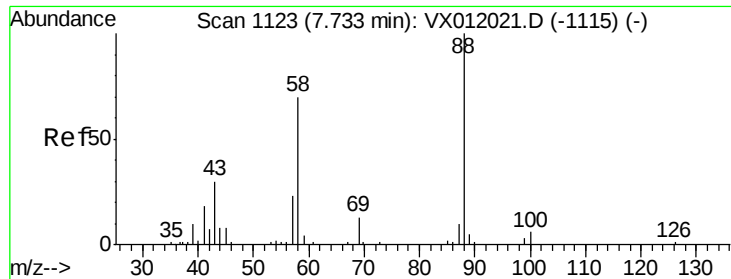
Delta R.T. -0.00 min

Lab File: VX012120.D

Acq: 06 Sep 2019 01:29

Tgt Ion:	41	Resp:	23002
Ion	Ratio	Lower	Upper
41	100		
69	76.2	66.3	99.5
39	60.6	48.1	72.1





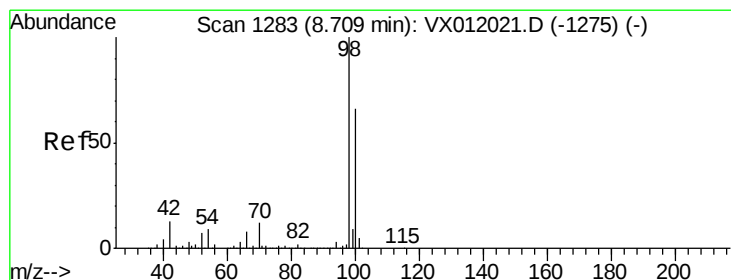
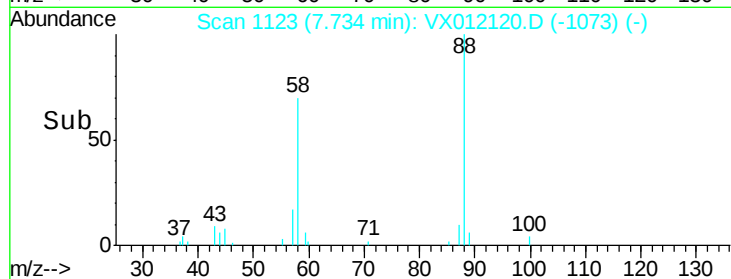
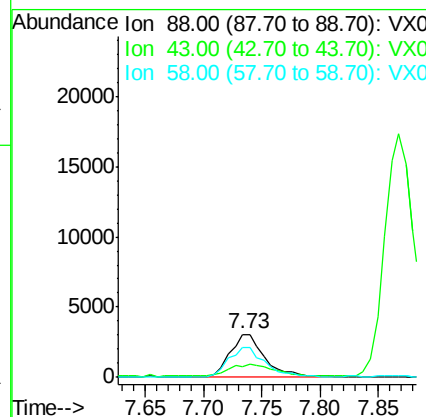
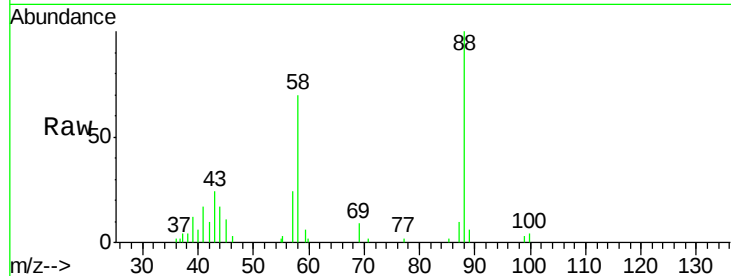
#49
1,4-Dioxane
Concen: 449.206 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VX012120.D
Acq: 06 Sep 2019 01:29

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.0	29.8	44.6
58	74.4	55.4	83.2

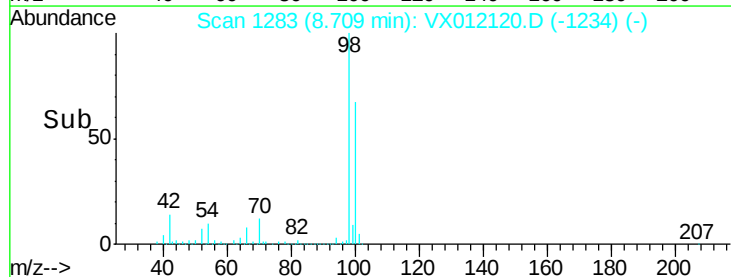
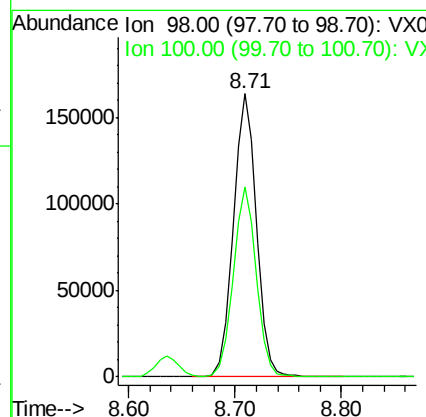
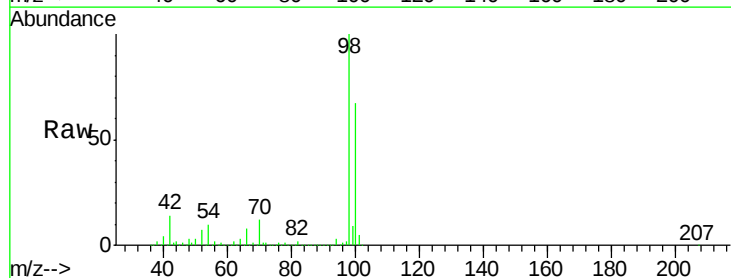
Manual Integrations
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#50
Toluene-d8
Concen: 51.921 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012120.D
Acq: 06 Sep 2019 01:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 111.137 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012120.D

Acq: 06 Sep 2019 01:29

Instrument :

MSVOA_X

ClientSampled :

VX0905SBS02

Tot Ion: 43 Resp: 117389

Ion Ratio Lower Upper

43 100

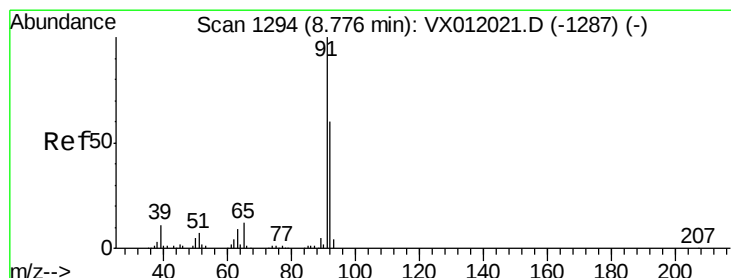
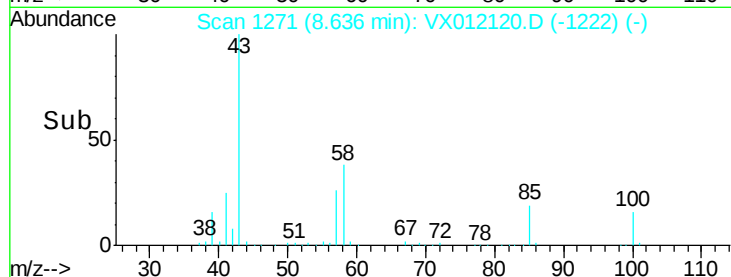
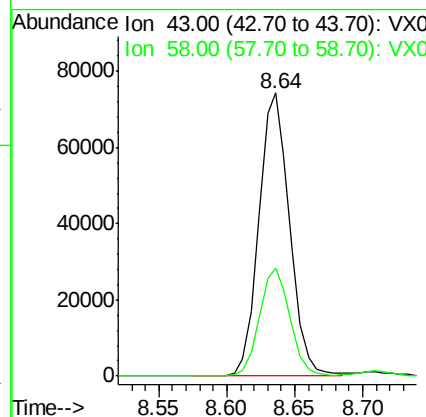
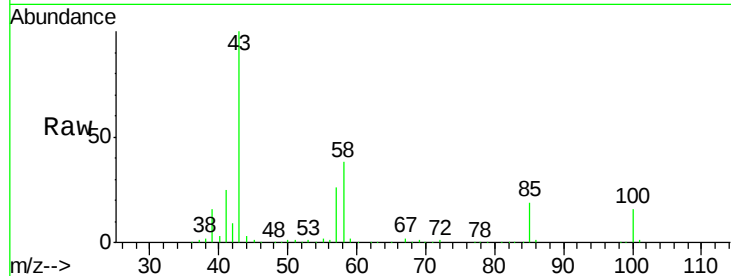
58 38.0 31.5 47.3

Manual Integrations

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#52

Toluene

Concen: 19.440 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX012120.D

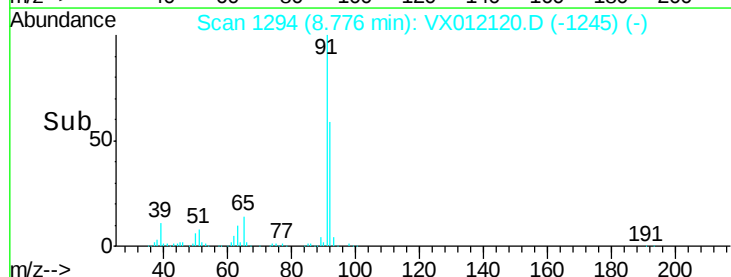
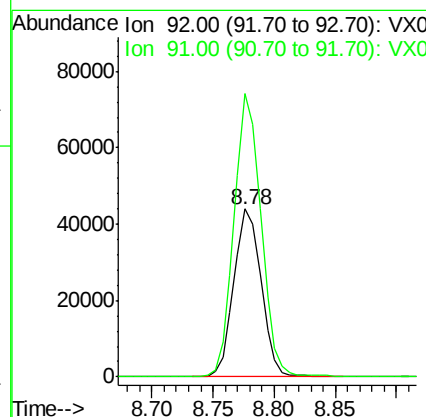
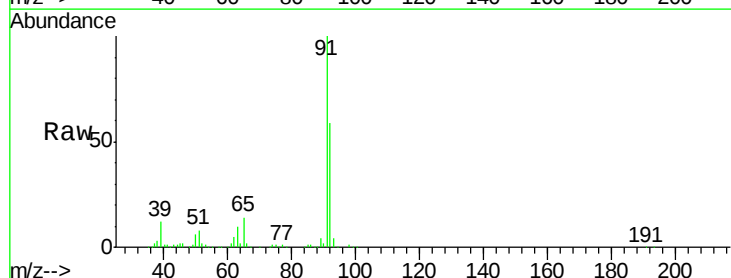
Acq: 06 Sep 2019 01:29

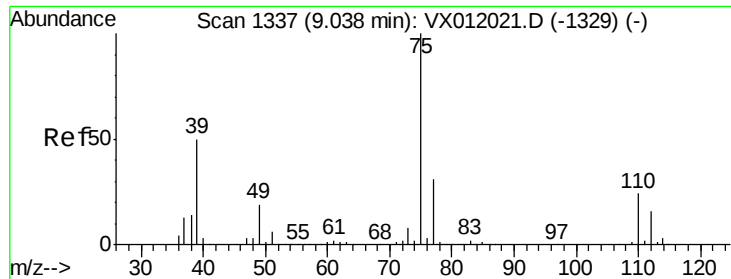
Tgt Ion: 92 Resp: 68196

Ion Ratio Lower Upper

92 100

91 167.3 136.0 204.0





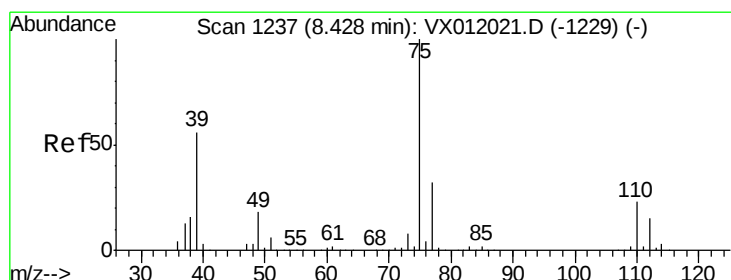
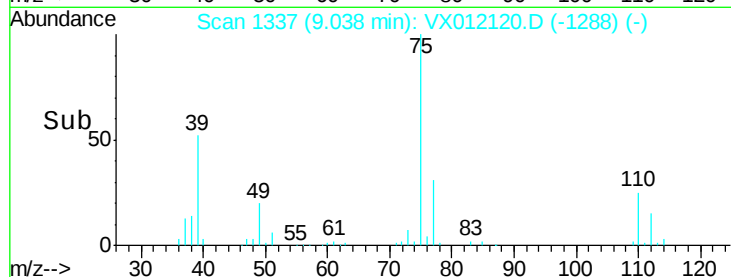
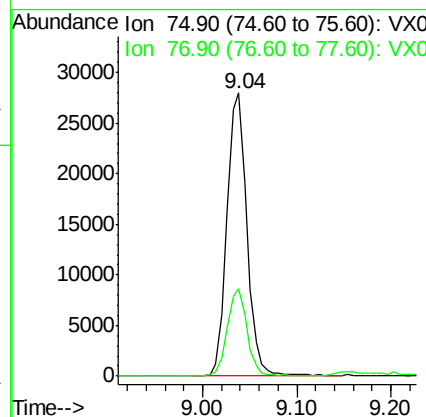
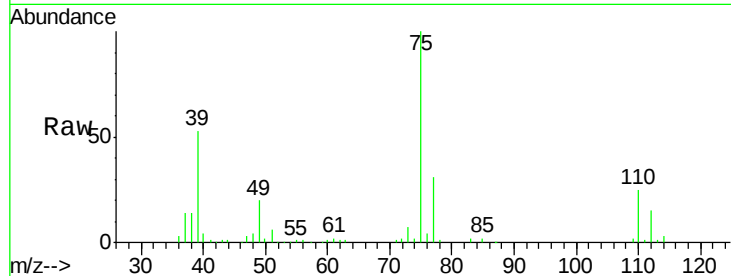
#53
t-1,3-Dichloropropene
Concen: 19.240 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX012120.D
Acq: 06 Sep 2019 01:29

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS02

Tot Ion: 75 Resp: 41172
Ion Ratio Lower Upper
75 100
77 30.6 25.1 37.7

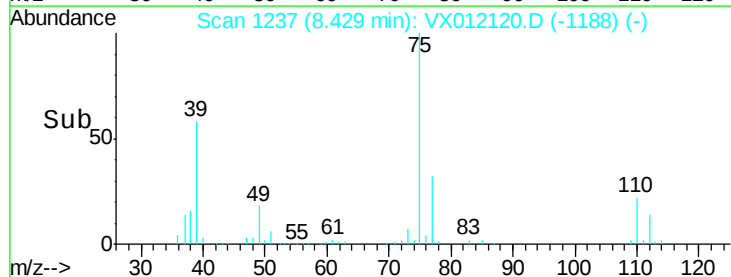
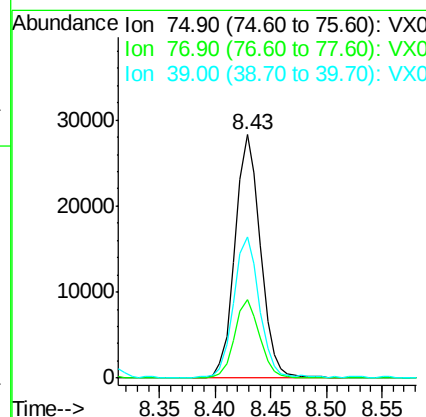
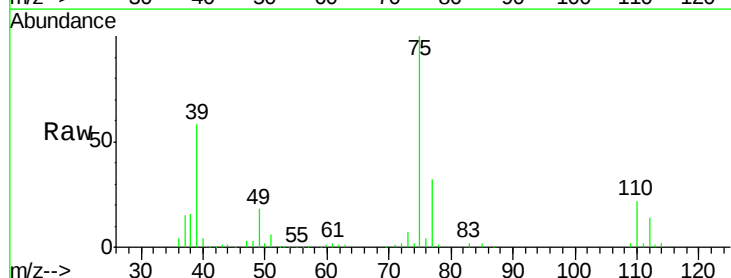
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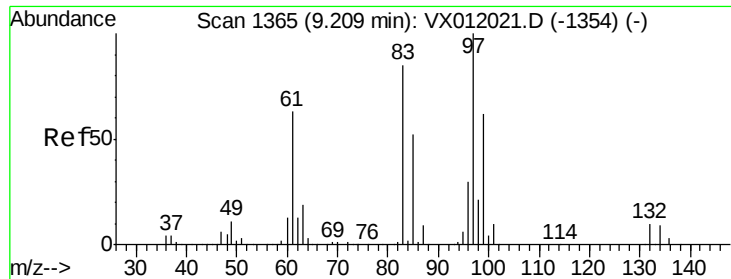
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#54
cis-1,3-Dichloropropene
Concen: 18.913 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX012120.D
Acq: 06 Sep 2019 01:29

Tgt Ion: 75 Resp: 45007
Ion Ratio Lower Upper
75 100
77 32.1 25.5 38.3
39 57.9 43.0 64.4





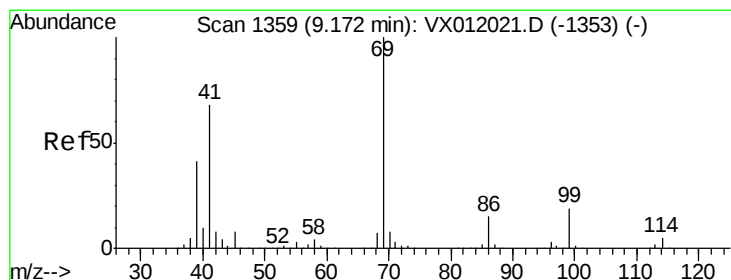
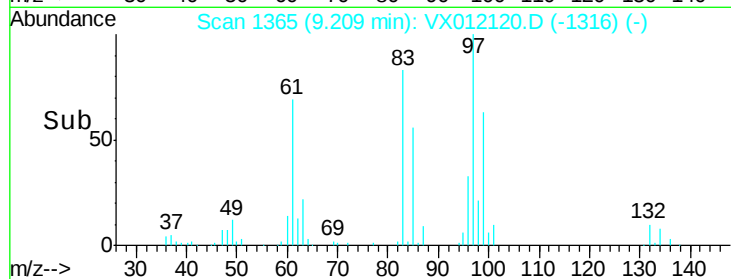
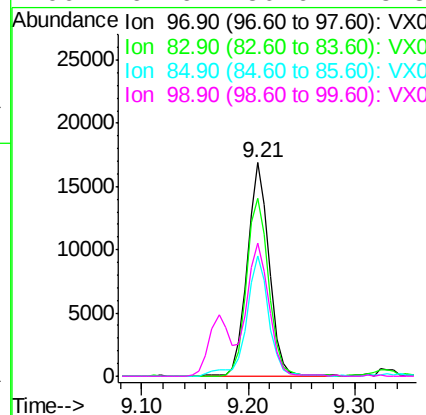
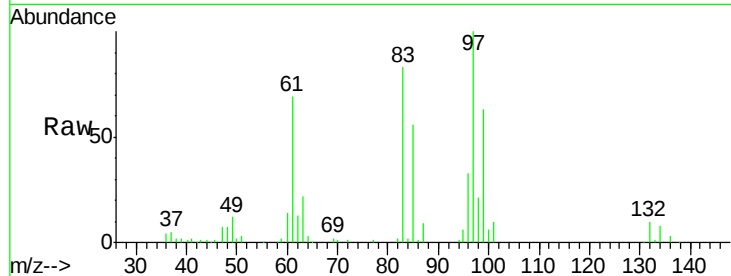
#55
 1,1,2-Trichloroethane
 Concen: 21.001 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012120.D
 Acq: 06 Sep 2019 01:29

Instrument :
 MSVOA_X
 ClientSampled :
 VX0905SBS02

Tot Ion:	97	Resp:	24416
Ion	Ratio	Lower	Upper
97	100		
83	83.3	66.0	99.0
85	56.2	41.0	61.6
99	62.6	50.6	75.8

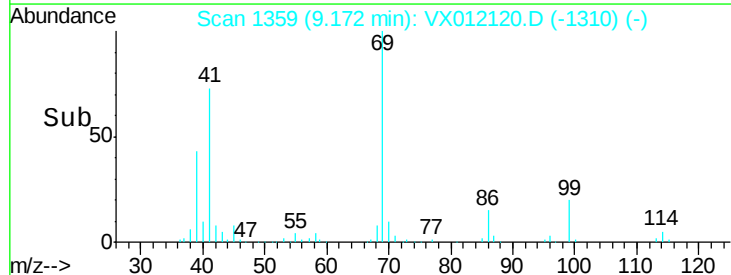
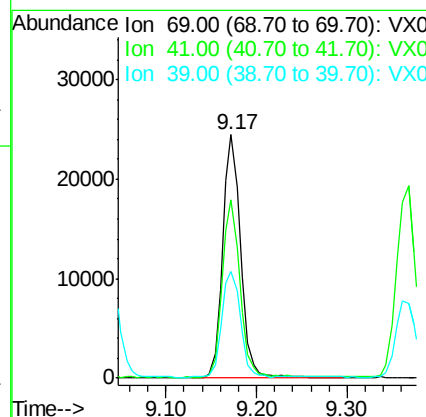
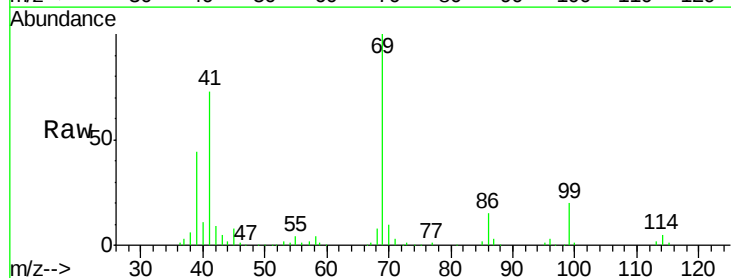
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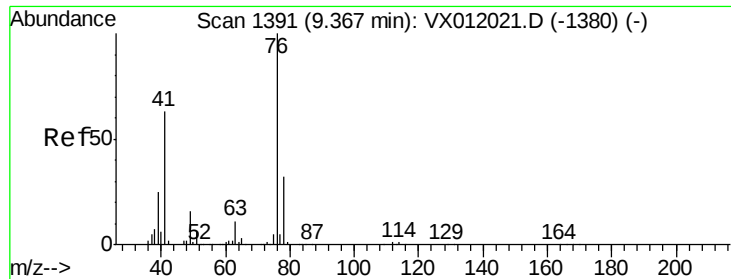
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#56
 Ethyl methacrylate
 Concen: 20.417 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012120.D
 Acq: 06 Sep 2019 01:29

Tgt Ion:	69	Resp:	34000
Ion	Ratio	Lower	Upper
69	100		
41	72.0	53.9	80.9
39	45.3	31.1	46.7





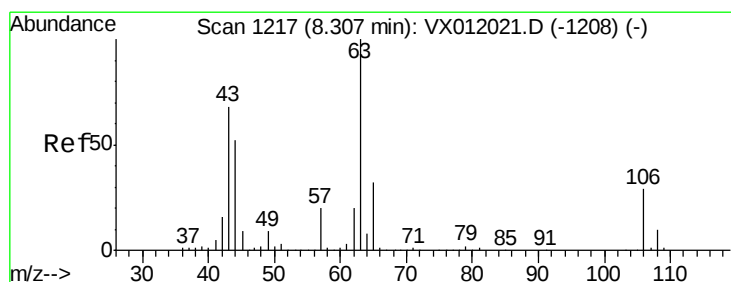
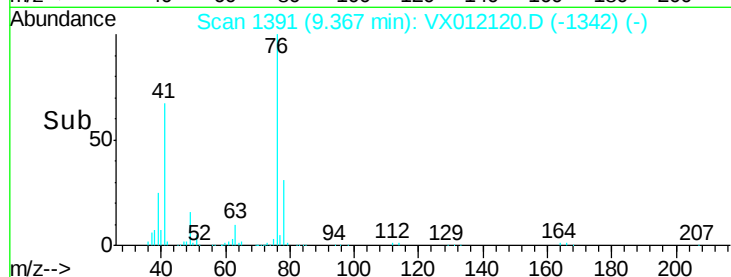
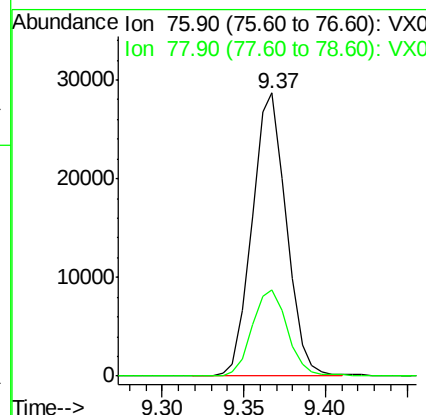
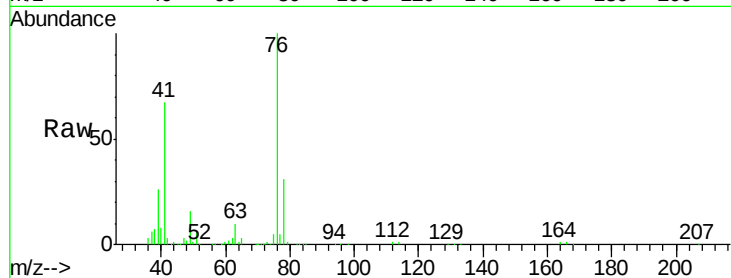
#57
 1,3-Dichloropropane
 Concen: 20.941 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX012120.D
 Acq: 06 Sep 2019 01:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.5	38.3

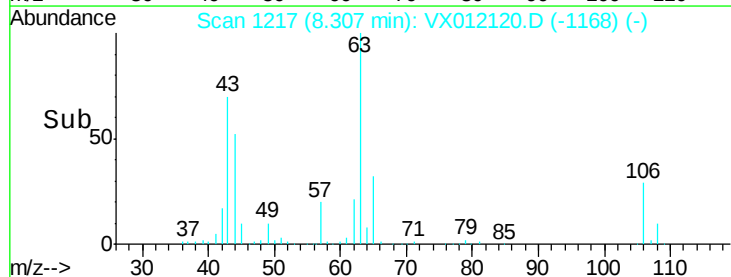
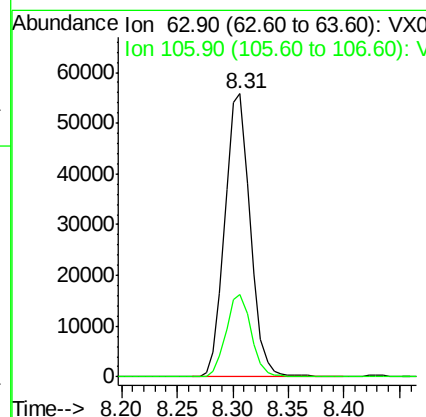
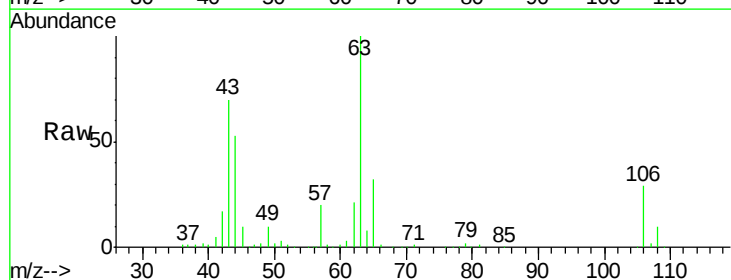
Manual Integrations
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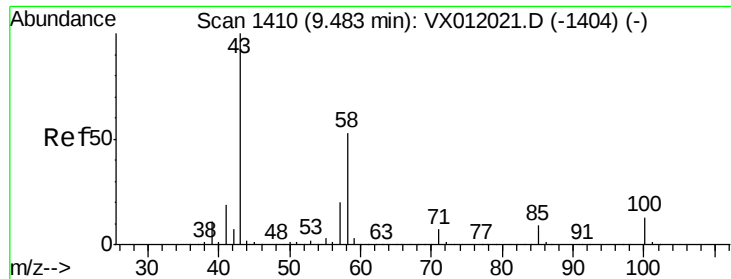
MMDadoda
 9/6/2019 12:31:48 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 117.100 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VX012120.D
 Acq: 06 Sep 2019 01:29

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.3	26.5	39.7





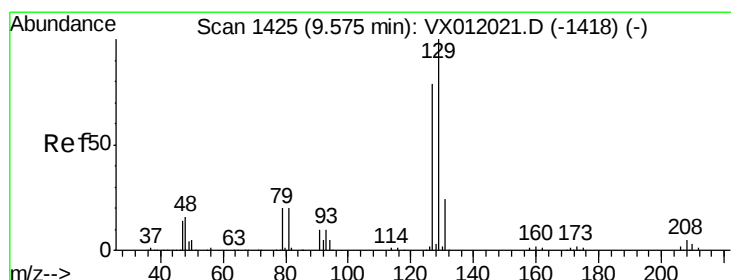
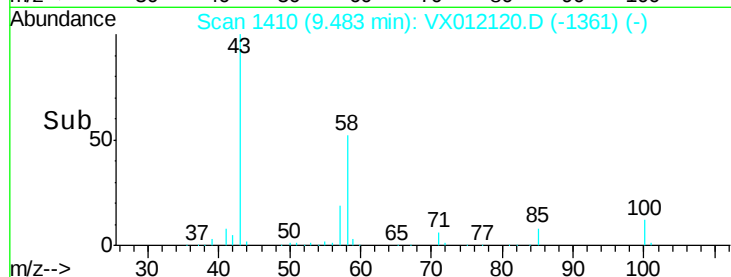
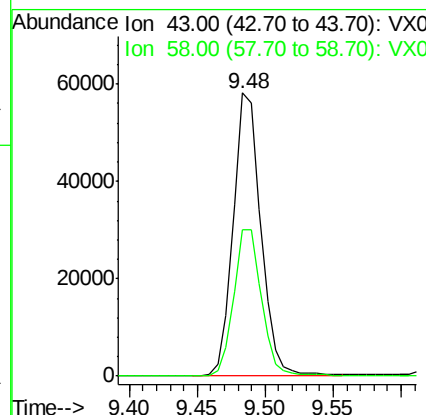
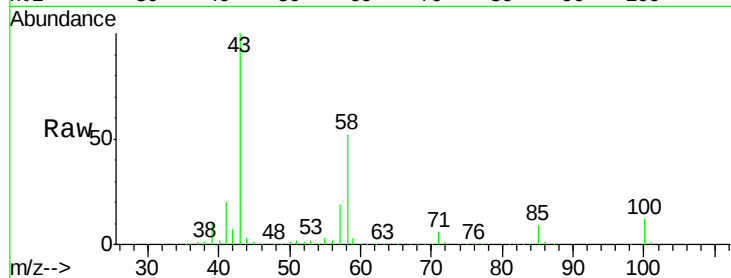
#59
2-Hexanone
Concen: 106.544 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX012120.D
Acq: 06 Sep 2019 01:29

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS02

Tot Ion: 43 Resp: 82116
Ion Ratio Lower Upper
43 100
58 52.5 27.2 81.6

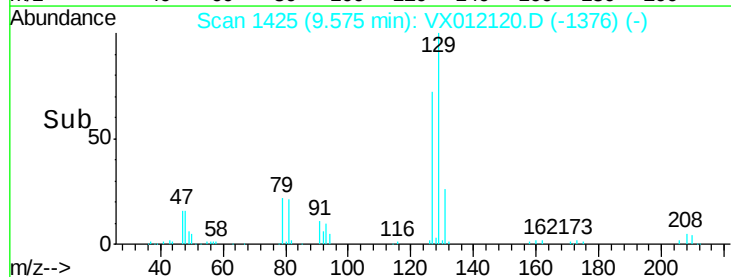
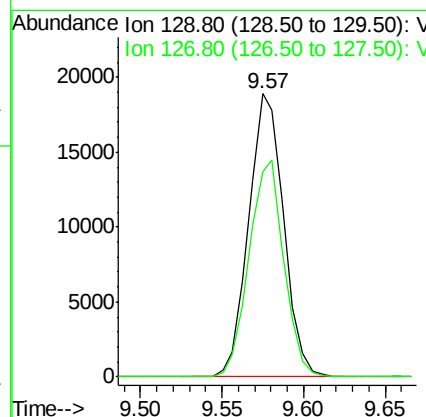
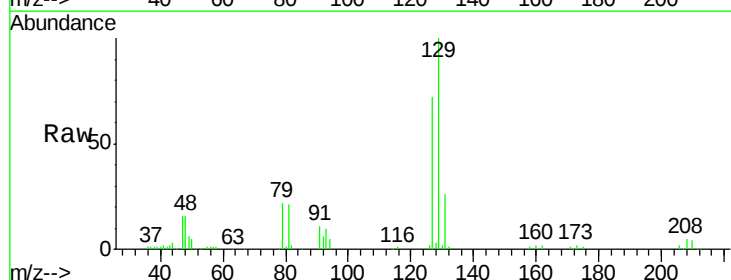
Manual Integrations
APPROVED

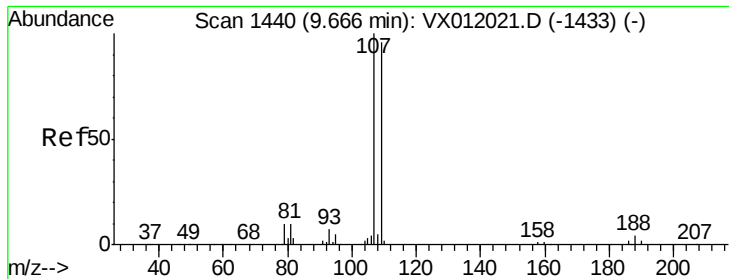
MMDadoda
9/6/2019 12:31:48 PM



#60
Dibromochloromethane
Concen: 20.326 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX012120.D
Acq: 06 Sep 2019 01:29

Tgt Ion: 129 Resp: 28164
Ion Ratio Lower Upper
129 100
127 76.4 38.1 114.5





#61

1,2-Dibromoethane

Concen: 20.539 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012120.D

Acq: 06 Sep 2019 01:29

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS02

Tot Ion: 107 Resp: 23073

Ion Ratio Lower Upper

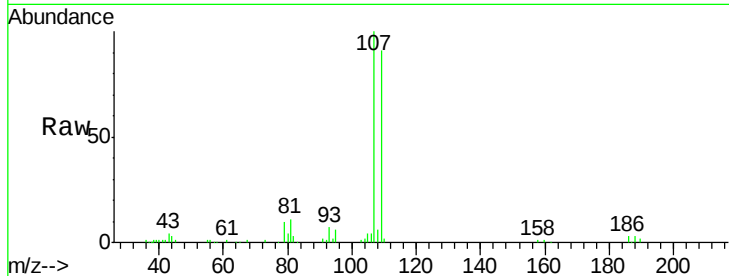
107 100

109 95.1 76.9 115.3

Manual Integrations
APPROVED

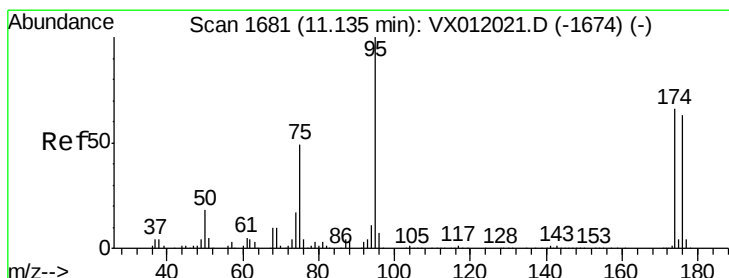
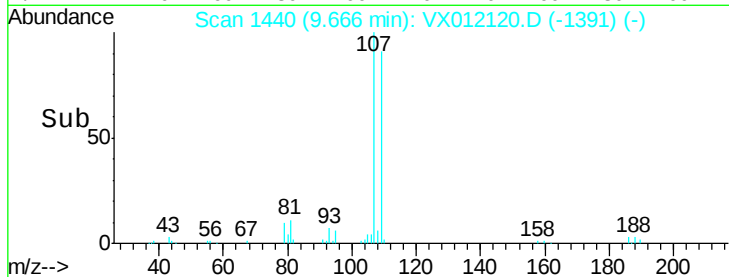
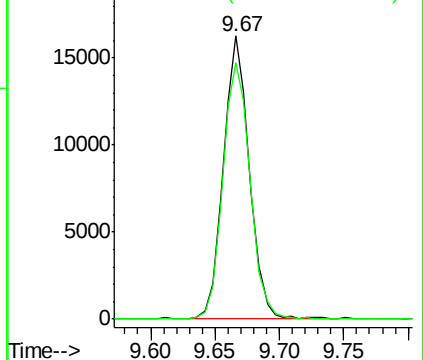
MMDadoda

9/6/2019 12:31:48 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.438 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012120.D

Acq: 06 Sep 2019 01:29

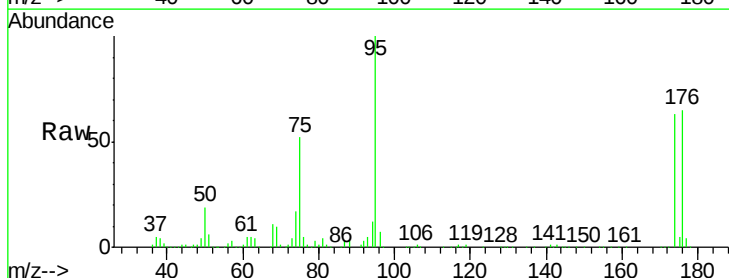
Tgt Ion: 95 Resp: 110639

Ion Ratio Lower Upper

95 100

174 62.4 0.0 205.4

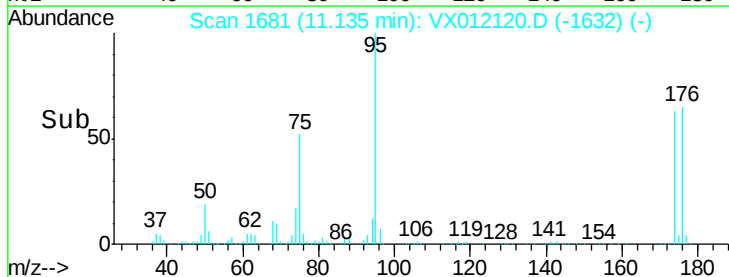
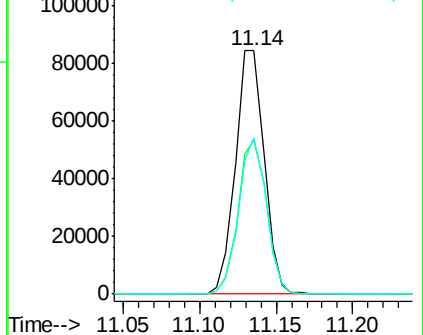
176 61.5 0.0 201.8

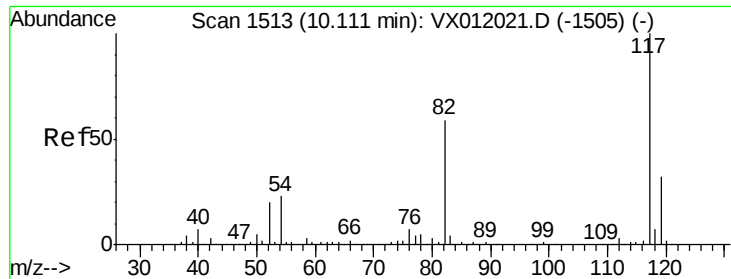


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





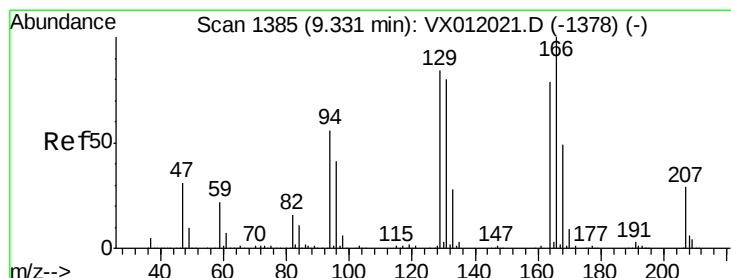
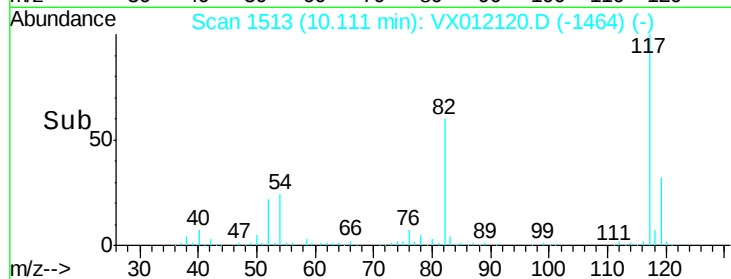
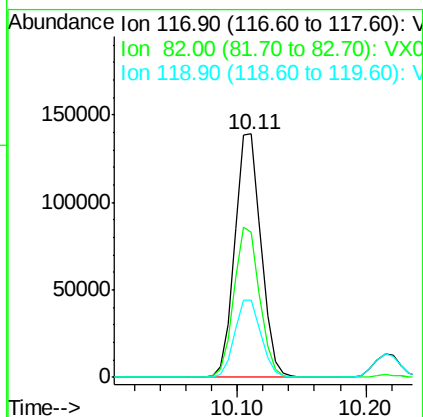
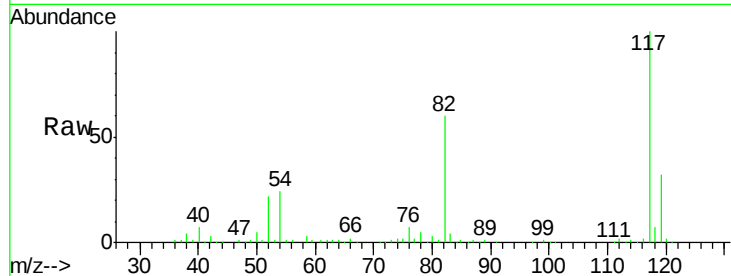
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012120.D
Acq: 06 Sep 2019 01:29

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.6	39.4	59.0
119	31.8	26.1	39.1

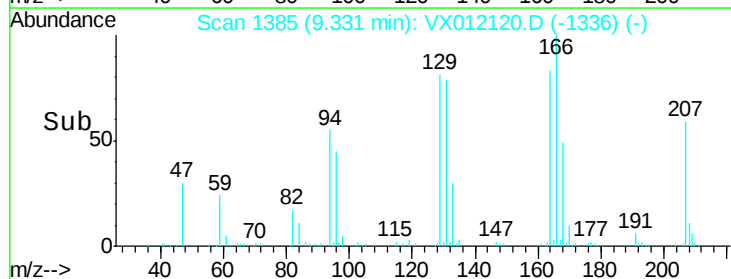
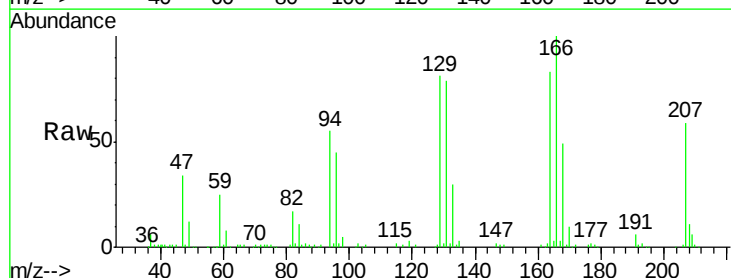
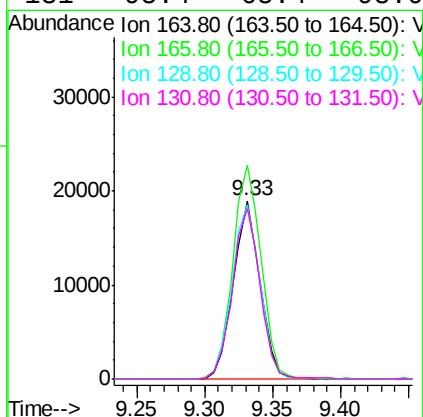
Manual Integrations
APPROVED

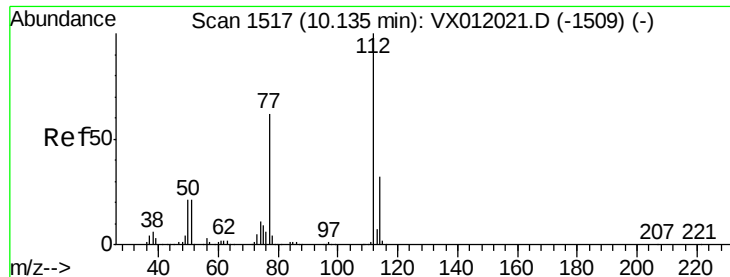
MMDadoda
9/6/2019 12:31:48 PM



#64
Tetrachloroethene
Concen: 21.114 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012120.D
Acq: 06 Sep 2019 01:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.0	104.3	156.5
129	97.8	68.3	102.5
131	95.4	65.4	98.0





#65

Chlorobenzene

Concen: 19.673 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX012120.D

Acq: 06 Sep 2019 01:29

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS02

Tot Ion:112 Resp: 76634

Ion Ratio Lower Upper

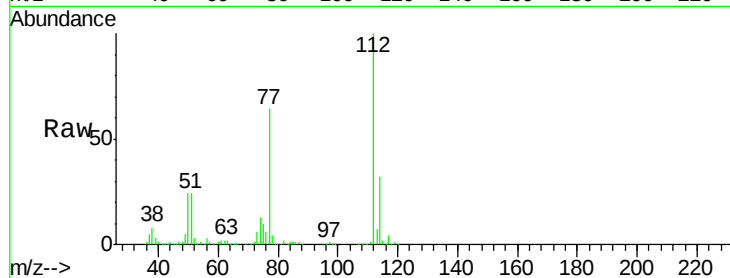
112 100

114 32.5 26.2 39.2

Manual Integrations
APPROVED

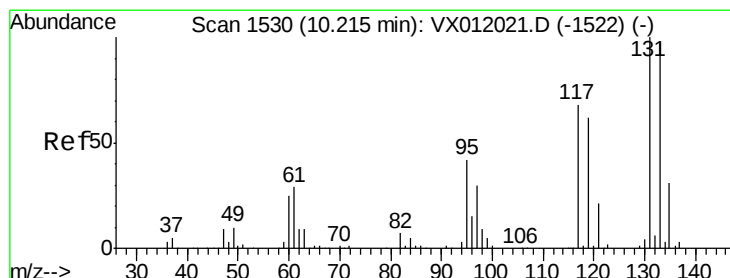
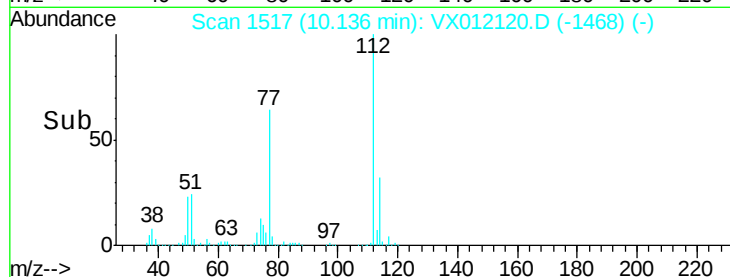
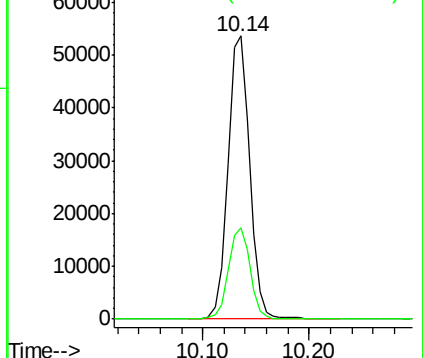
MMDadoda

9/6/2019 12:31:48 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.225 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX012120.D

Acq: 06 Sep 2019 01:29

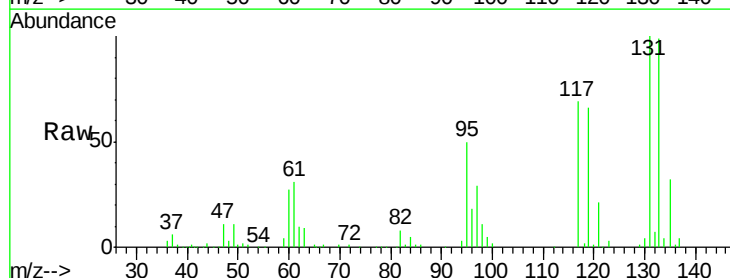
Tgt Ion:131 Resp: 28808

Ion Ratio Lower Upper

131 100

133 93.3 48.4 145.0

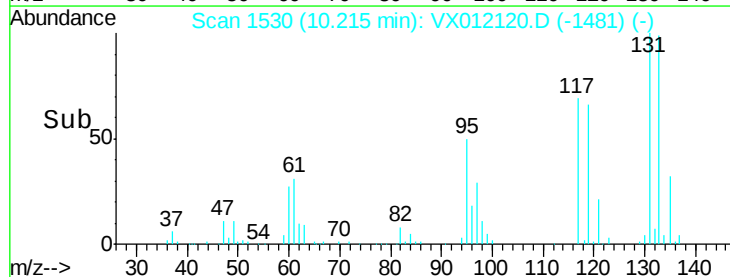
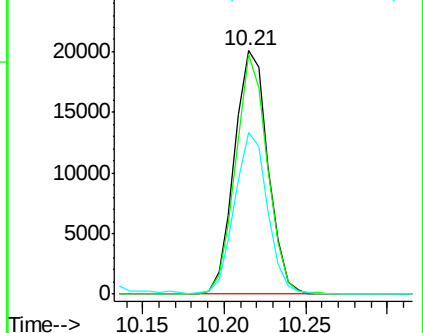
119 65.4 30.5 91.5

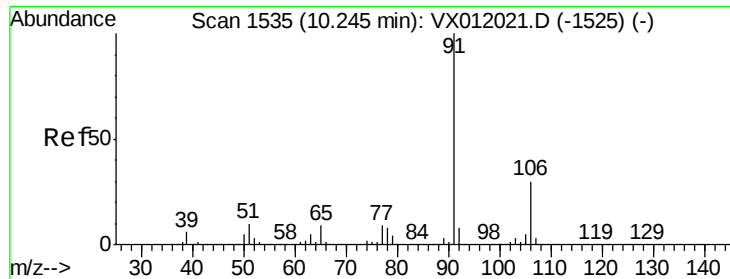


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





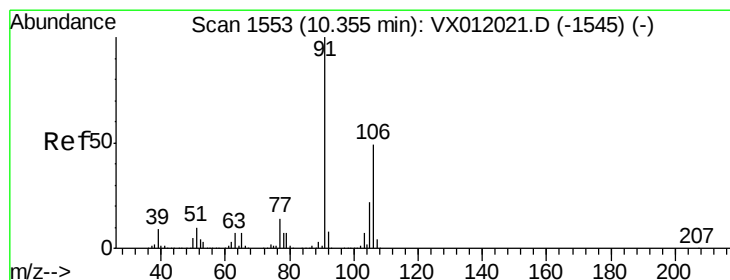
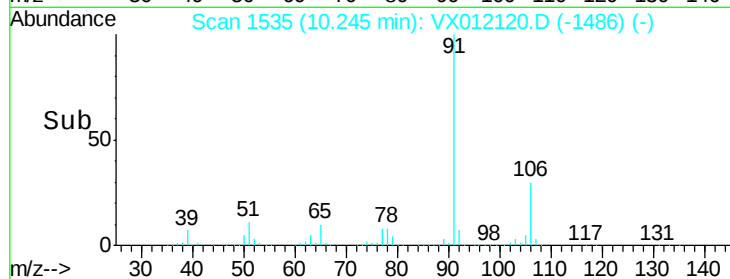
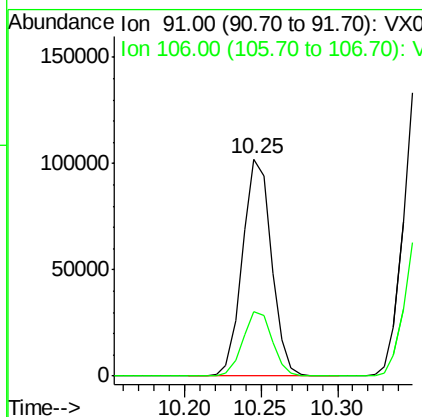
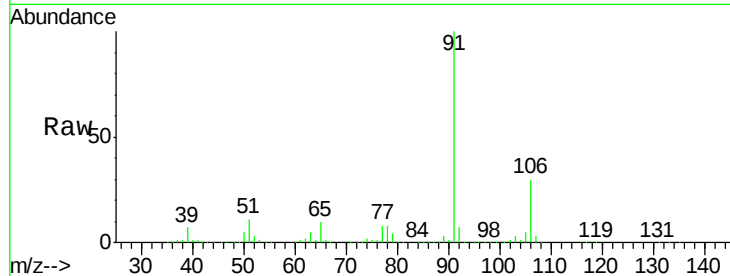
#67
Ethyl Benzene
Concen: 19.019 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012120.D
Acq: 06 Sep 2019 01:29

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS02

Tot Ion: 91 Resp: 135047
Ion Ratio Lower Upper
91 100
106 30.0 25.8 38.8

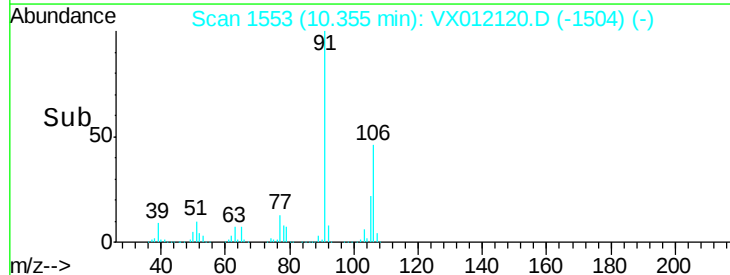
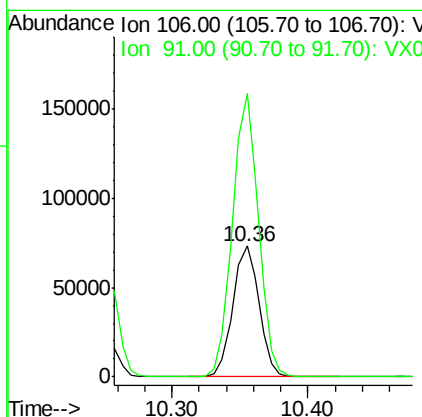
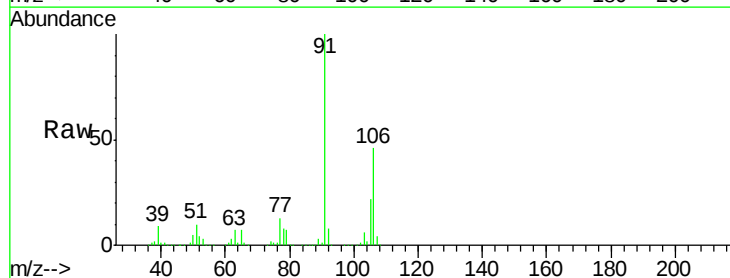
Manual Integrations
APPROVED

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#68
m/p-Xylenes
Concen: 37.643 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012120.D
Acq: 06 Sep 2019 01:29

Tgt Ion: 106 Resp: 98479
Ion Ratio Lower Upper
106 100
91 214.2 157.5 236.3





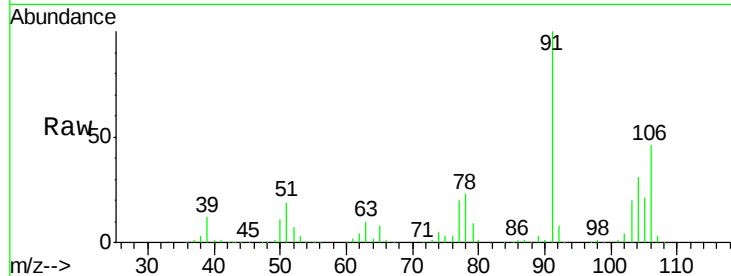
#69
o-Xylene
Concen: 19.490 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012120.D
Acq: 06 Sep 2019 01:29

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS02

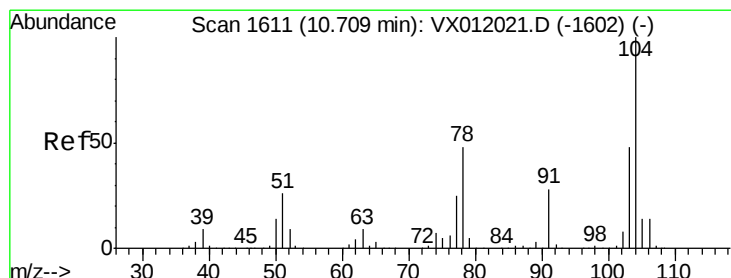
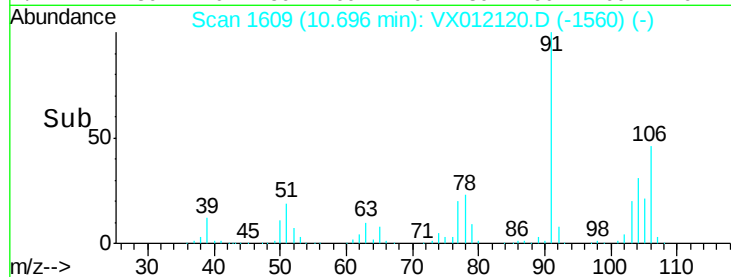
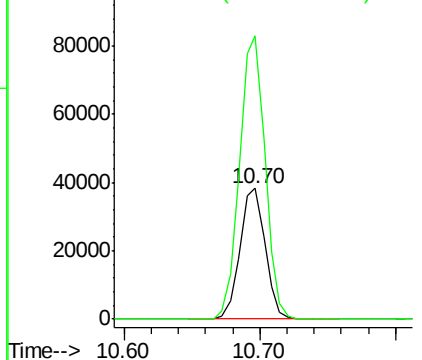
Tot Ion:106 Resp: 49443
Ion Ratio Lower Upper
106 100
91 219.7 103.5 310.3

Manual Integrations
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9/6/2019 12:31:48 PM

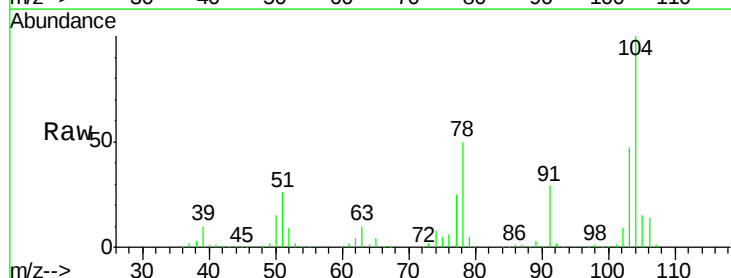


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

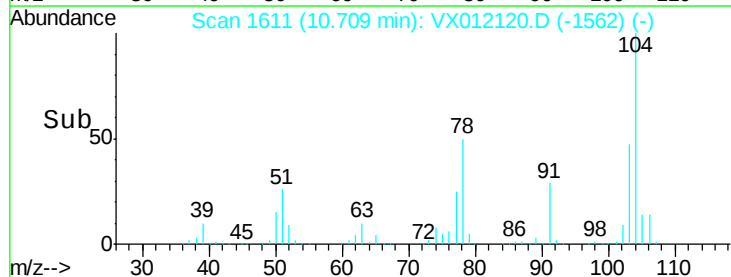
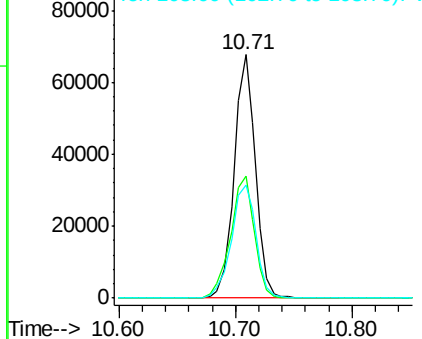


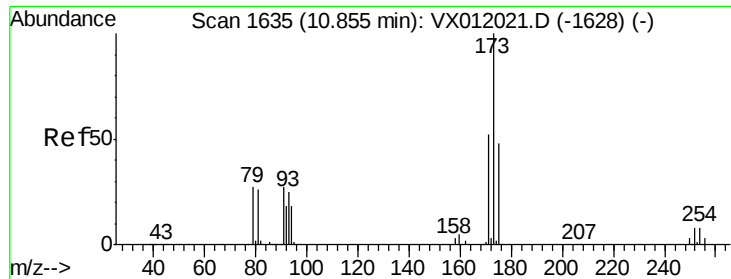
#70
Styrene
Concen: 19.538 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012120.D
Acq: 06 Sep 2019 01:29

Tgt Ion:104 Resp: 86090
Ion Ratio Lower Upper
104 100
78 56.4 39.1 58.7
103 53.9 43.4 65.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





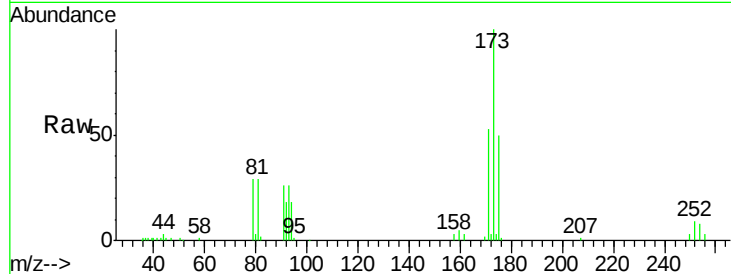
#71
Bromoform
Concen: 19.761 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VX012120.D
Acq: 06 Sep 2019 01:29

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.9	74.7
254	0.0	0.1	0.1#

Manual Integrations
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9/6/2019 12:31:48 PM

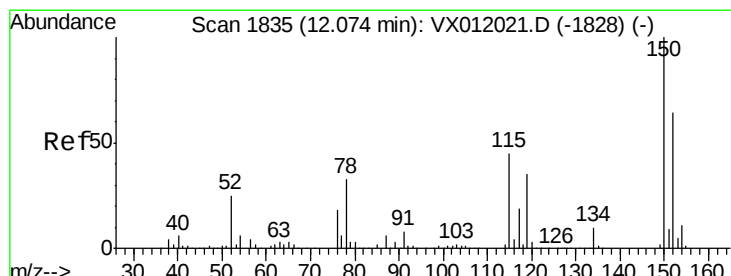
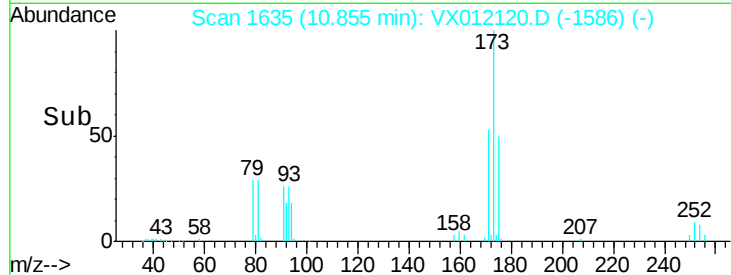
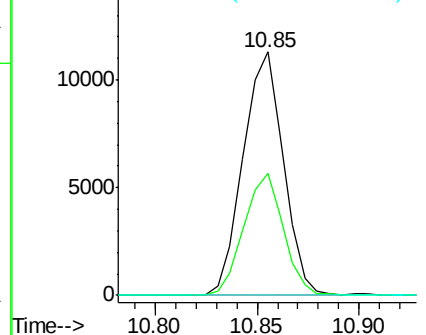


Abundance

Ion 172.70 (172.40 to 173.40): V

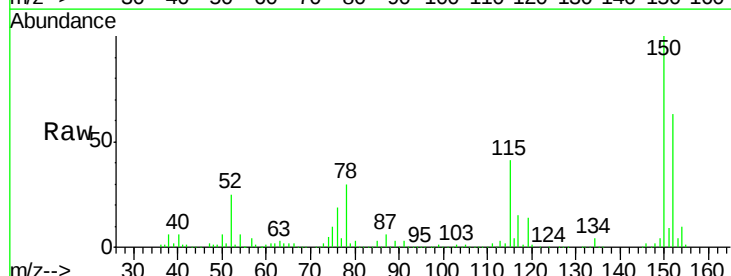
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012120.D
Acq: 06 Sep 2019 01:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	74.1	36.4	109.3
150	163.9	0.0	341.2

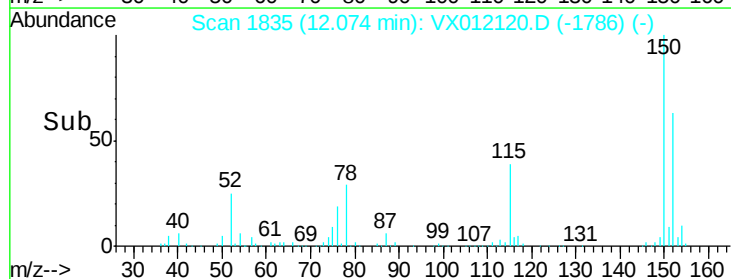
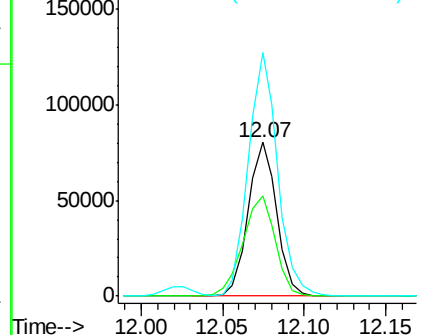


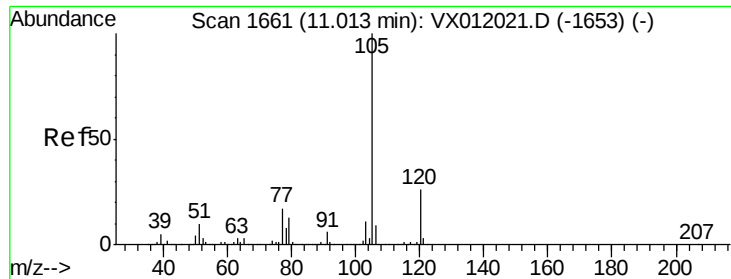
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.606 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012120.D

Acq: 06 Sep 2019 01:29

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS02

Tot Ion: 105 Resp: 133035

Ion Ratio Lower Upper

105 100

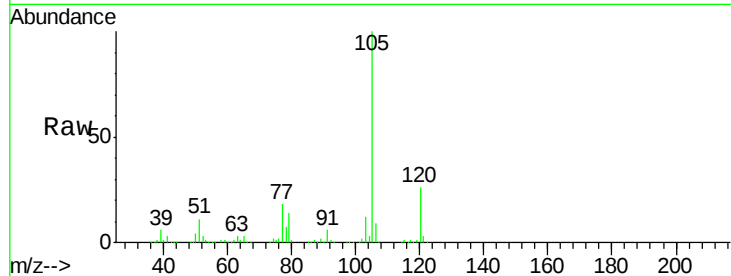
120 25.5 13.9 41.6

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.01

100000

80000

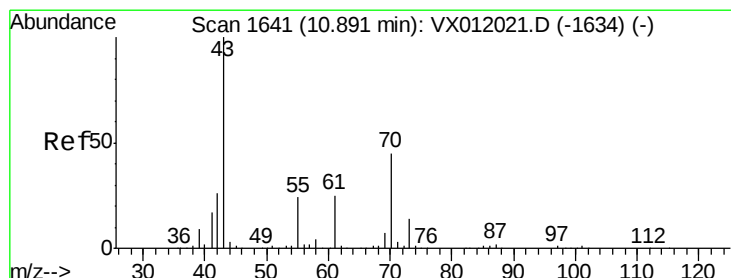
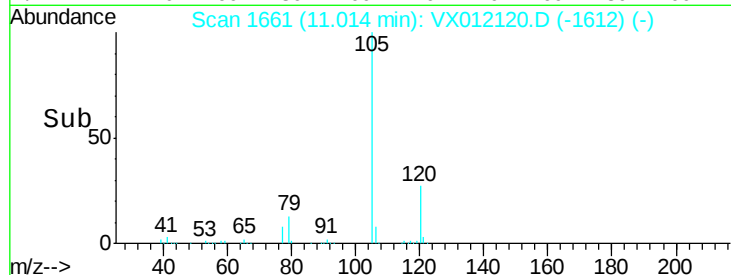
60000

40000

20000

0

Time-->



#74

N-ethyl acetate

Concen: 19.204 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012120.D

Acq: 06 Sep 2019 01:29

Tgt Ion: 43 Resp: 40598

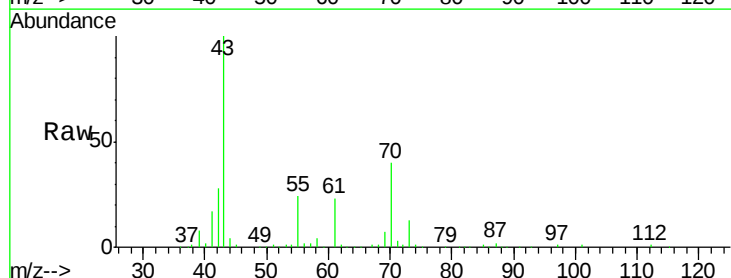
Ion Ratio Lower Upper

43 100

70 41.4 34.4 51.6

55 24.1 18.5 27.7

61 24.0 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

10.89

50000

40000

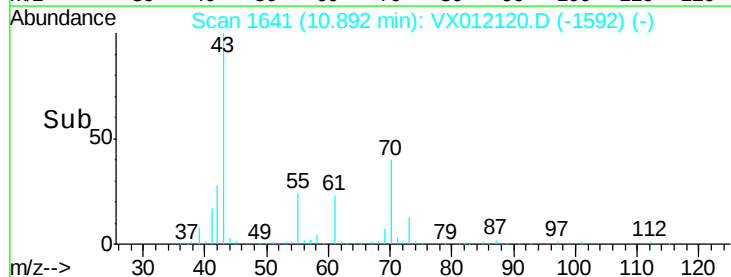
30000

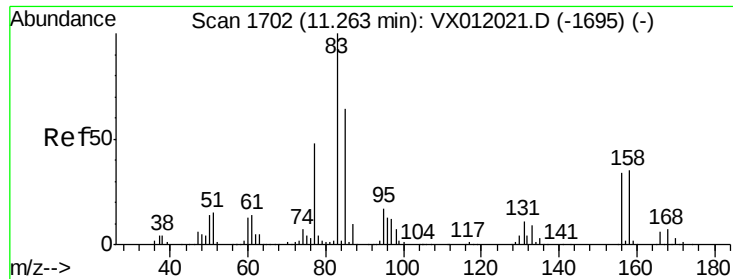
20000

10000

0

Time-->





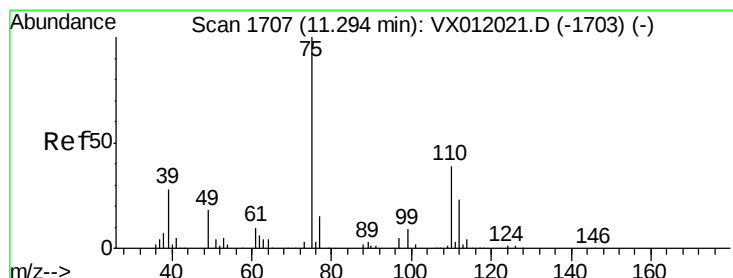
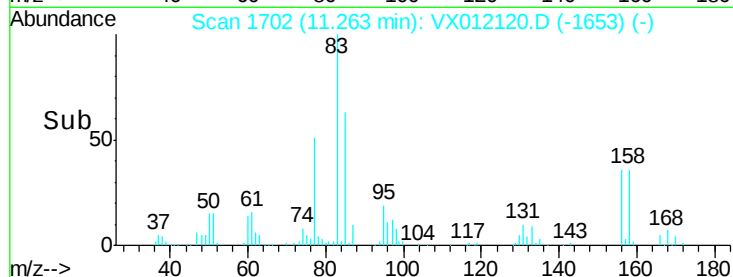
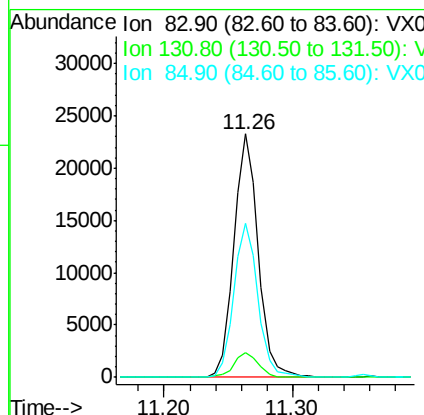
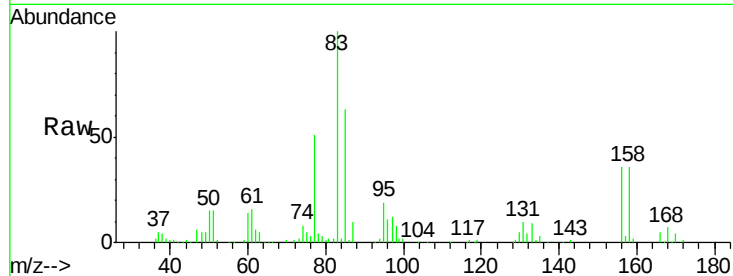
#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.601 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. -0.00 min
 Lab File: VX012120.D
 Acq: 06 Sep 2019 01:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	30708		
131	10.3	6.3	19.1	
85	63.2	32.5	97.4	

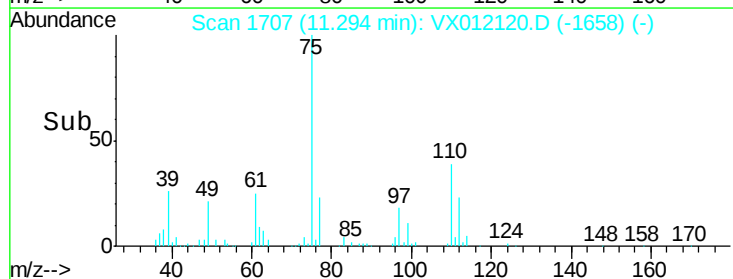
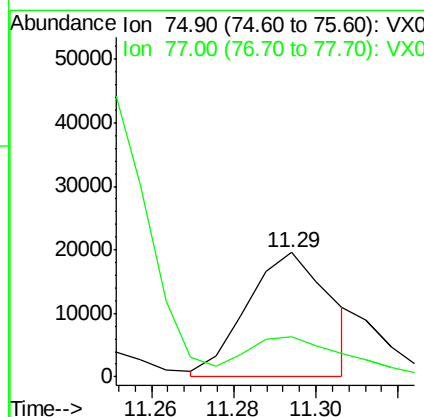
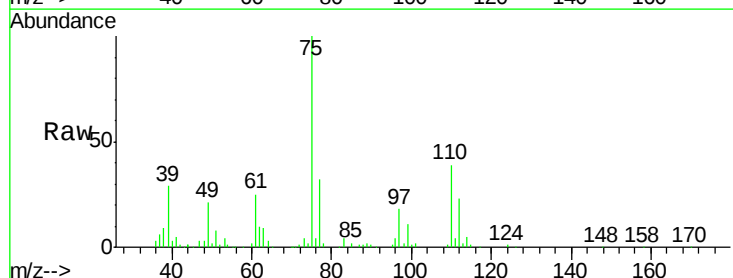
Manual Integrations
 APPROVED

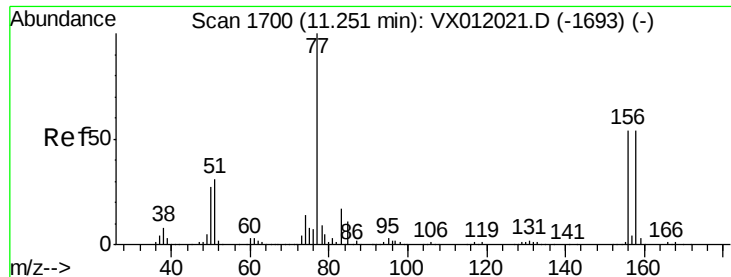
MMDadoda
 9/6/2019 12:31:48 PM



#76
 1,2,3-Trichloropropane
 Concen: 22.975 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX012120.D
 Acq: 06 Sep 2019 01:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	27356		
77	38.5	23.5	70.5	





#77

Bromobenzene

Concen: 19.826 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012120.D

Acq: 06 Sep 2019 01:29

Instrument :

MSVOA_X

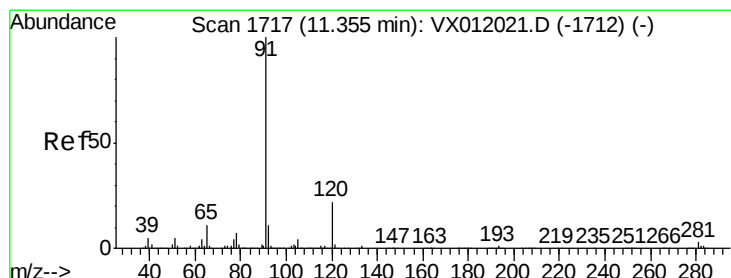
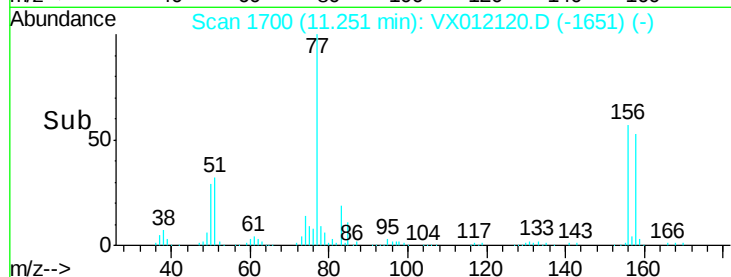
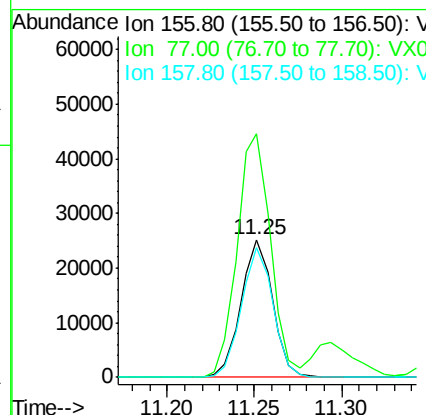
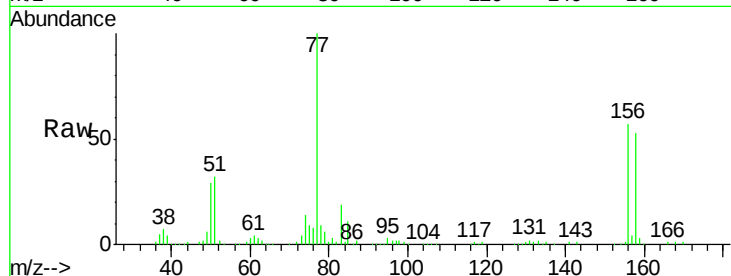
ClientSampleId :

VX0905SBS02

Tot Ion	156	Resp	31704
Ion	Ratio	Lower	Upper
156	100		
77	187.1	63.4	190.2
158	94.5	48.9	146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 18.340 ug/l

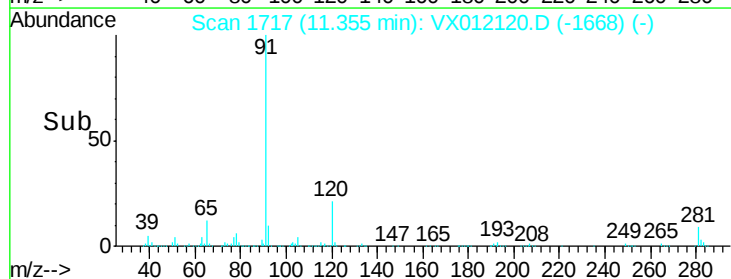
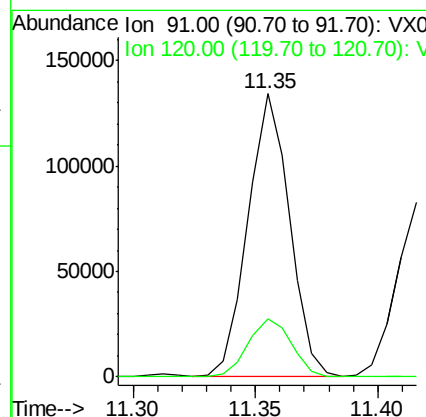
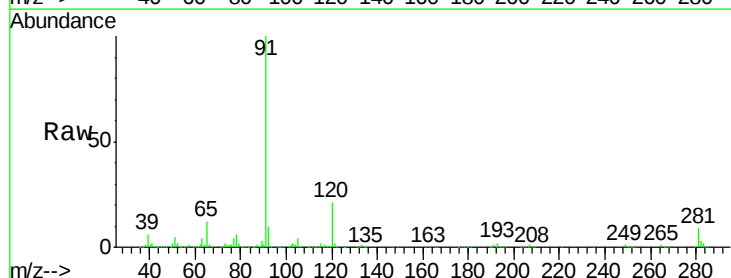
RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX012120.D

Acq: 06 Sep 2019 01:29

Tgt Ion	91	Resp	158424
Ion	Ratio	Lower	Upper
91	100		
120	21.8	12.7	38.0





#79

2-Chlorotoluene

Concen: 19.173 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012120.D

Acq: 06 Sep 2019 01:29

Instrument :

MSVOA_X

ClientSampled :

VX0905SBS02

Tot Ion: 91 Resp: 100337

Ion Ratio Lower Upper

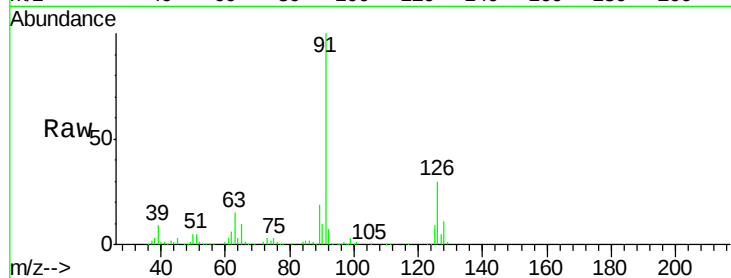
91 100

126 30.7 18.6 55.8

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX012120.D (-1678) (-)

Ion 125.90 (125.60 to 126.60): VX012120.D (-1678) (-)

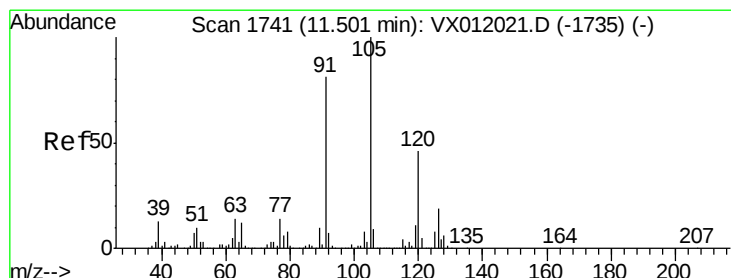
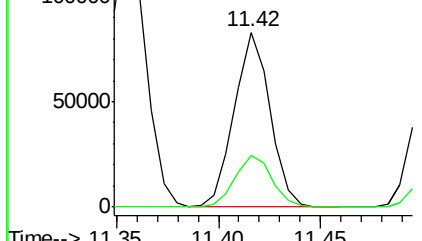
150000

100000

50000

0

11.35 11.40 11.45



#80

1,3,5-Trimethylbenzene

Concen: 19.114 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012120.D

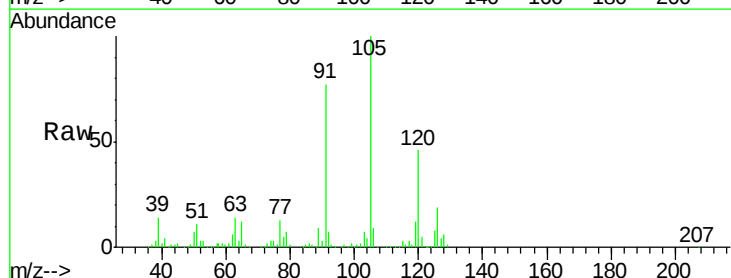
Acq: 06 Sep 2019 01:29

Tgt Ion: 105 Resp: 119764

Ion Ratio Lower Upper

105 100

120 45.7 25.8 77.3



Abundance Ion 105.00 (104.70 to 105.70): VX012120.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX012120.D (-1692) (-)

120000

100000

80000

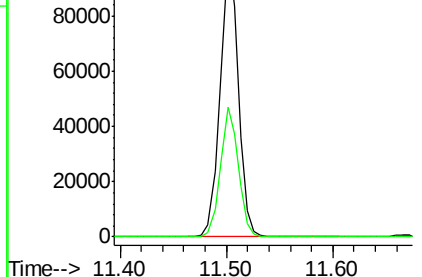
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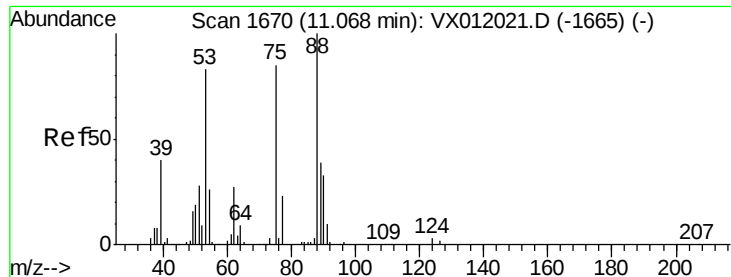
40000

20000

0

11.40 11.50 11.60





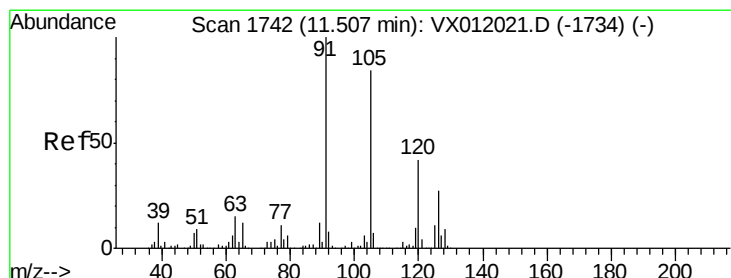
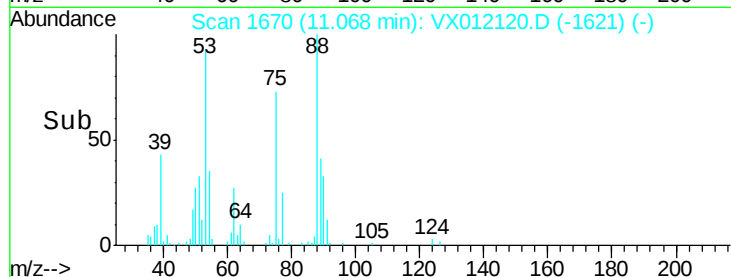
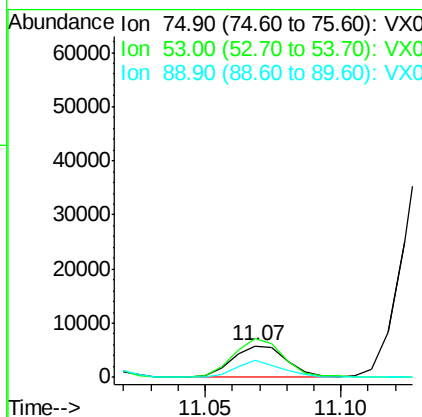
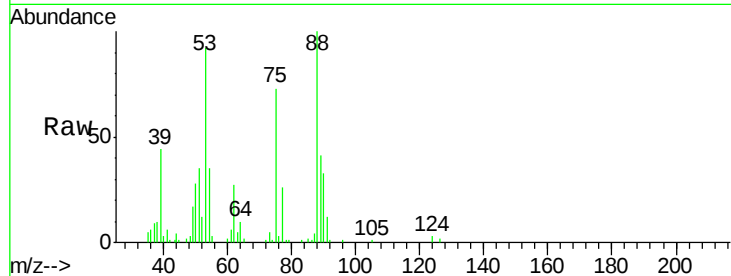
#81
trans-1,4-Dichloro-2-butene
Concen: 15.396 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX012120.D
Acq: 06 Sep 2019 01:29

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	120.8	78.6	117.8#
89	49.1	38.8	58.2

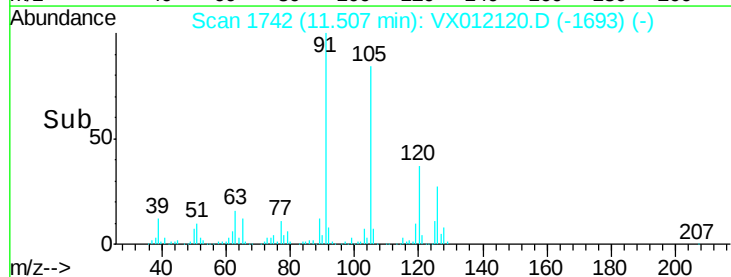
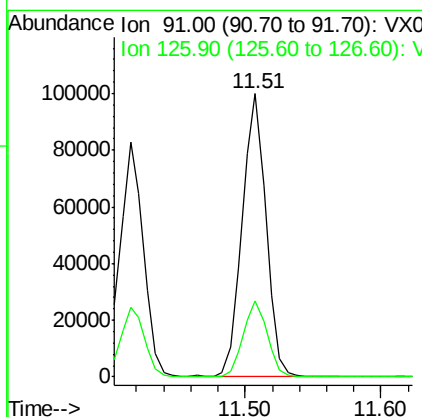
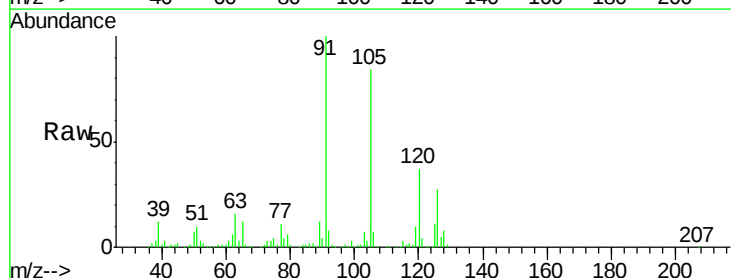
Manual Integrations
APPROVED

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#82
4-Chlorotoluene
Concen: 19.559 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX012120.D
Acq: 06 Sep 2019 01:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.0	16.2	48.6





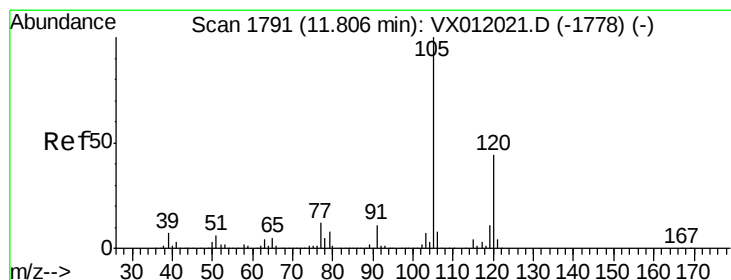
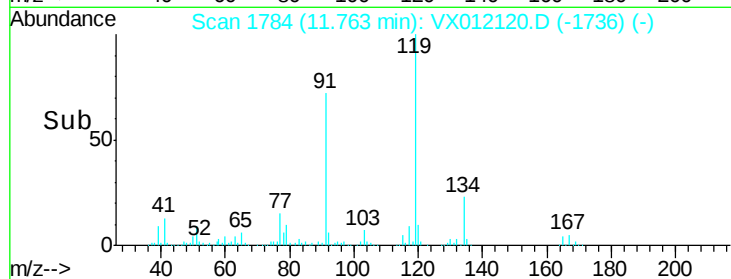
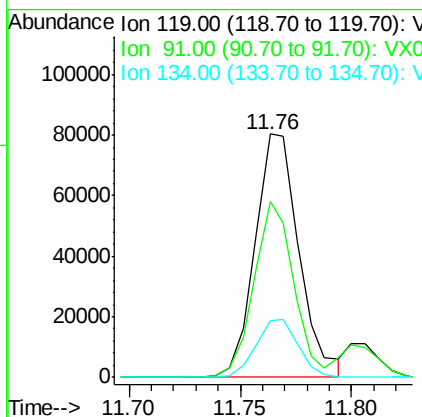
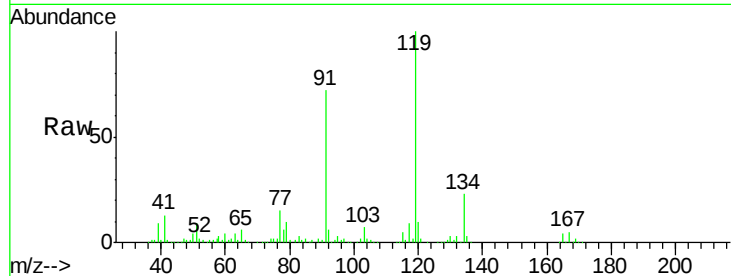
#83
 tert-Butylbenzene
 Concen: 18.536 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: VX012120.D
 Acq: 06 Sep 2019 01:29

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0905SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	110697		
91	65.2	27.1	81.2	
134	22.8	12.1	36.3	

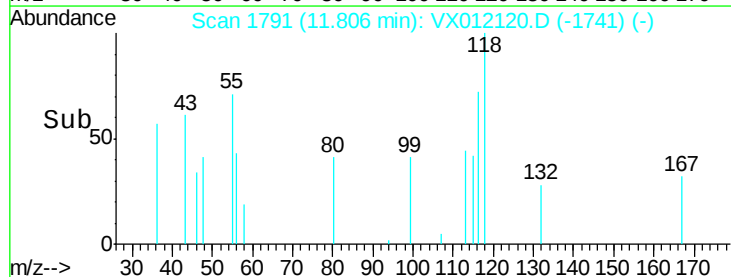
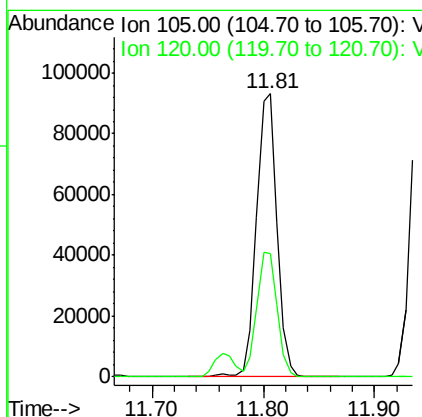
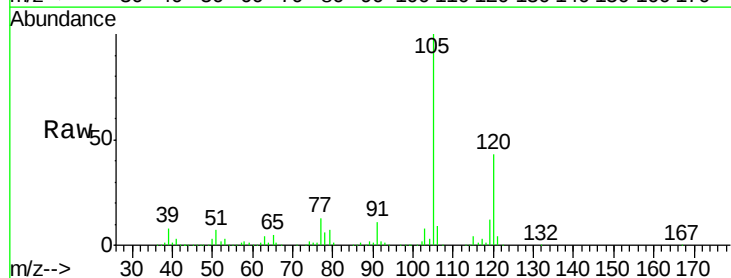
Manual Integrations
 APPROVED

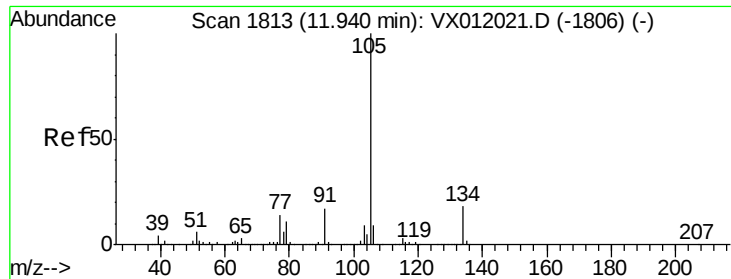
MMDadoda
 9/6/2019 12:31:48 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 18.660 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.01 min
 Lab File: VX012120.D
 Acq: 06 Sep 2019 01:29

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	120169		
120	43.6	23.6	70.8	





#85

sec-Butylbenzene

Concen: 18.174 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012120.D

Acq: 06 Sep 2019 01:29

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS02

Tot Ion:105 Resp: 134809

Ion Ratio Lower Upper

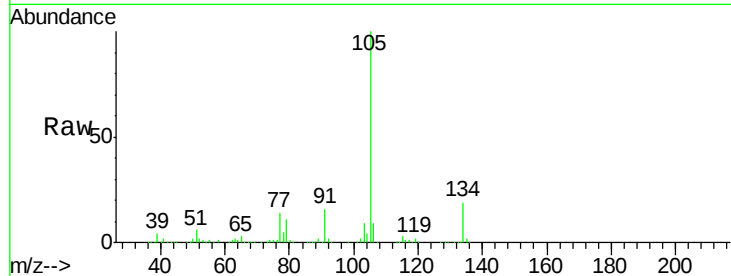
105 100

134 19.6 11.2 33.6

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

120000

100000

80000

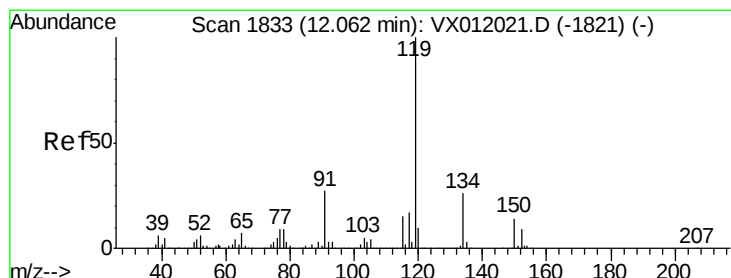
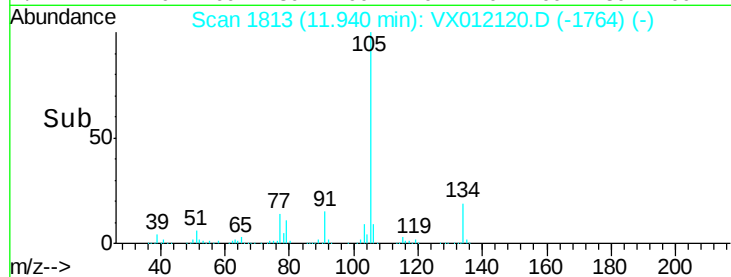
60000

40000

20000

0

Time-->



#86

p-Isopropyltoluene

Concen: 18.040 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012120.D

Acq: 06 Sep 2019 01:29

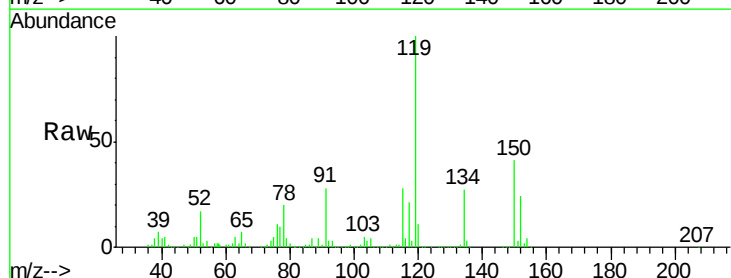
Tgt Ion:119 Resp: 121700

Ion Ratio Lower Upper

119 100

134 25.5 13.7 41.1

91 27.1 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

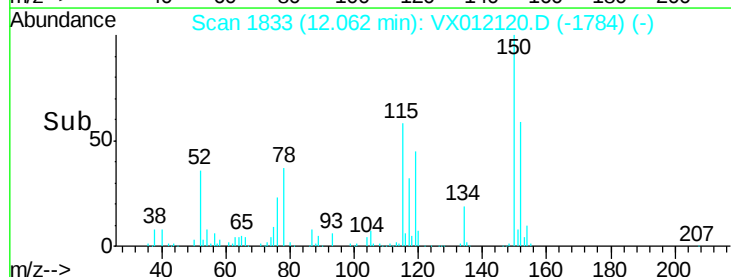
12.06

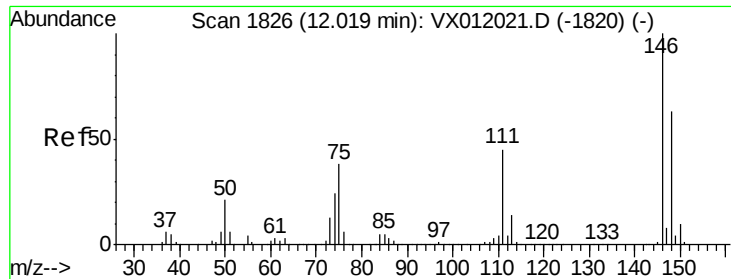
100000

50000

0

Time-->





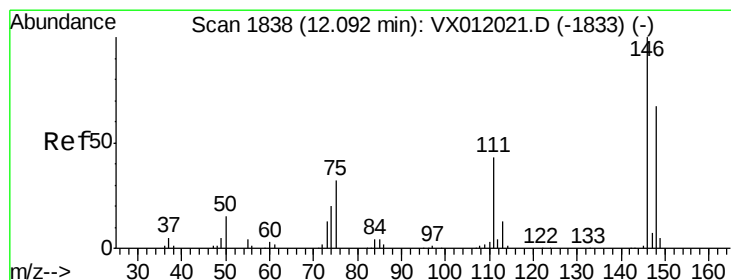
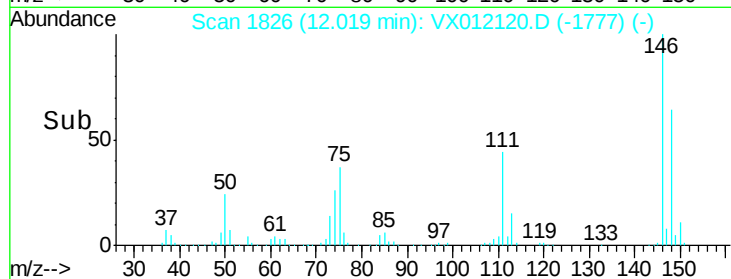
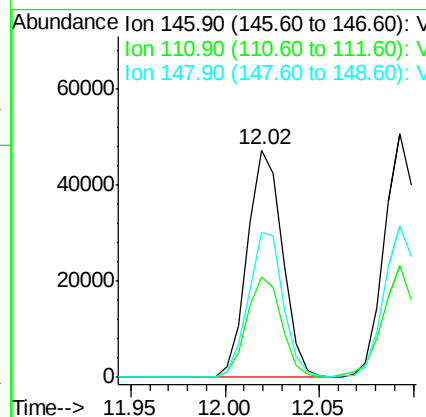
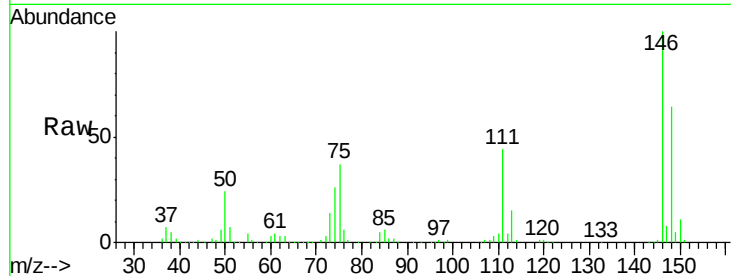
#87
 1,3-Dichlorobenzene
 Concen: 19.032 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012120.D
 Acq: 06 Sep 2019 01:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	18.1	54.1
148	63.4	32.6	97.8

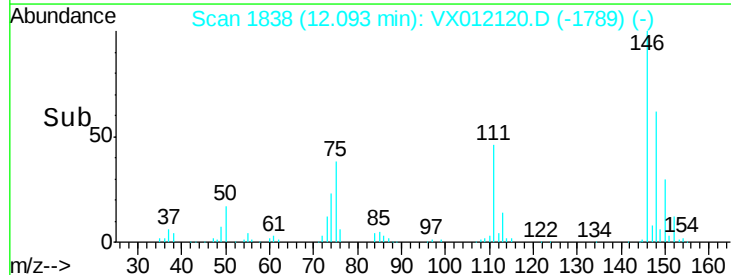
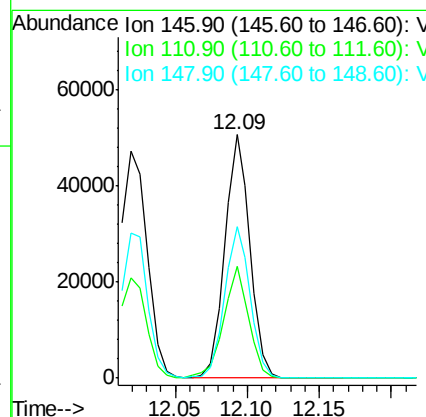
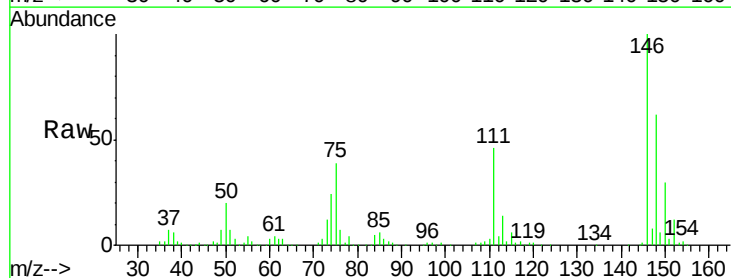
Manual Integrations
 APPROVED

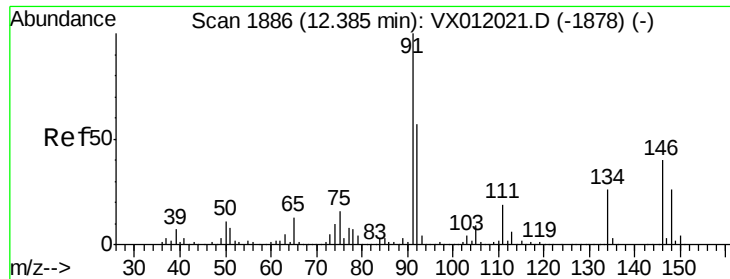
MMDadoda
 9/6/2019 12:31:48 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.335 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012120.D
 Acq: 06 Sep 2019 01:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.2	17.7	53.1
148	63.5	32.4	97.0





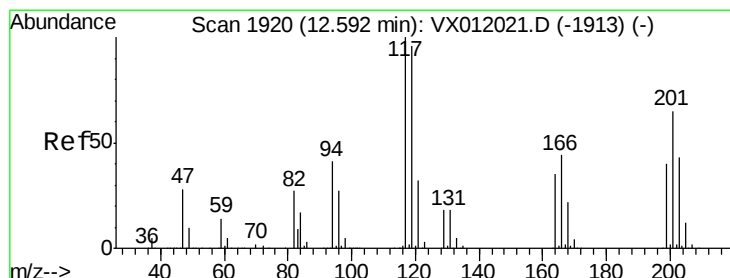
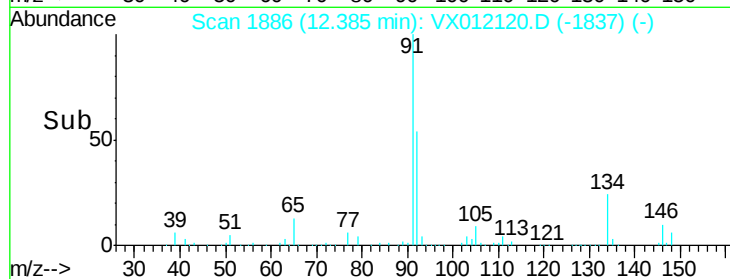
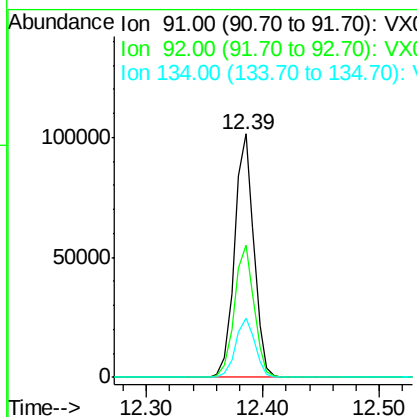
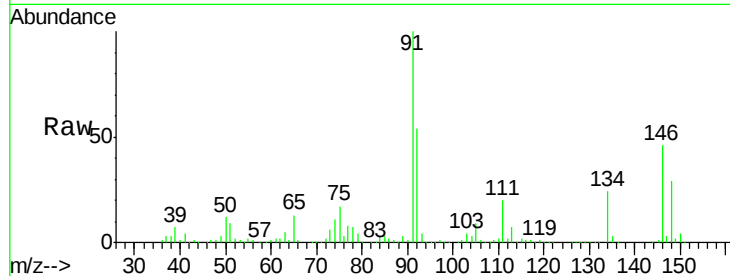
#89
n-Butylbenzene
Concen: 17.859 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012120.D
Acq: 06 Sep 2019 01:29

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	117034		
92	55.2	27.6	82.8	
134	24.8	15.4	46.1	

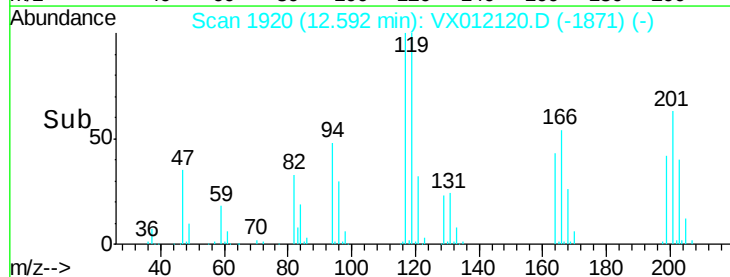
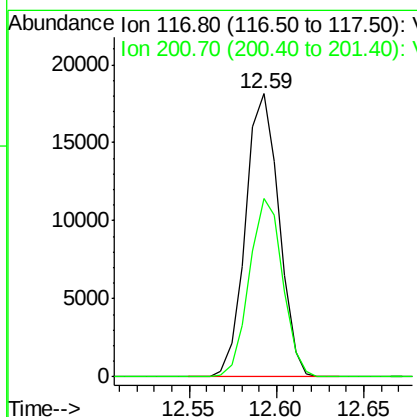
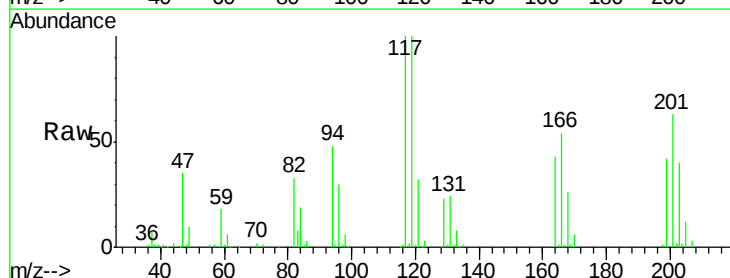
Manual Integrations
APPROVED

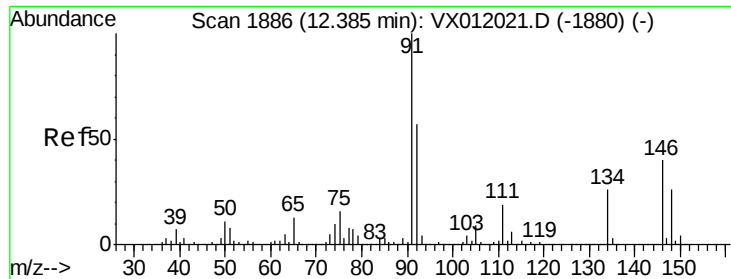
MMDadoda
9/6/2019 12:31:48 PM



#90
Hexachloroethane
Concen: 17.953 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012120.D
Acq: 06 Sep 2019 01:29

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	24182		
201	62.8	55.0	165.2	





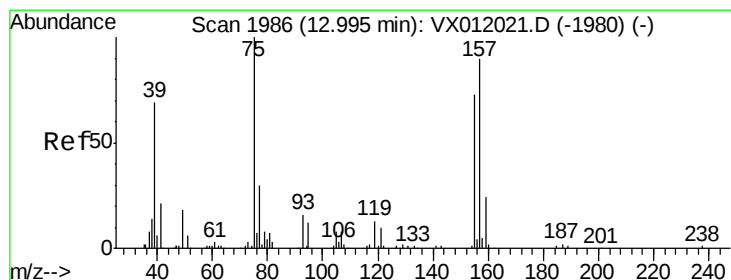
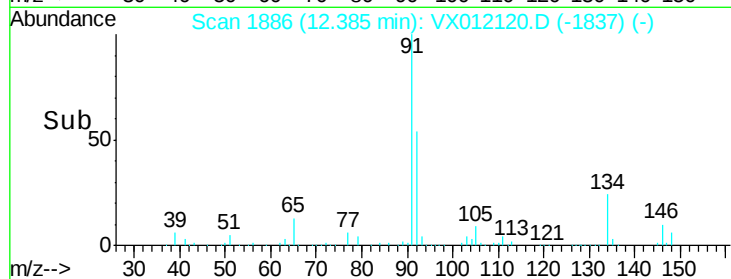
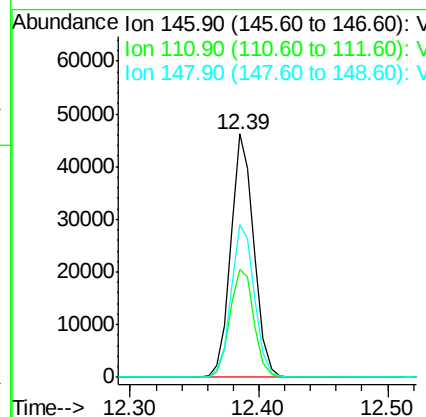
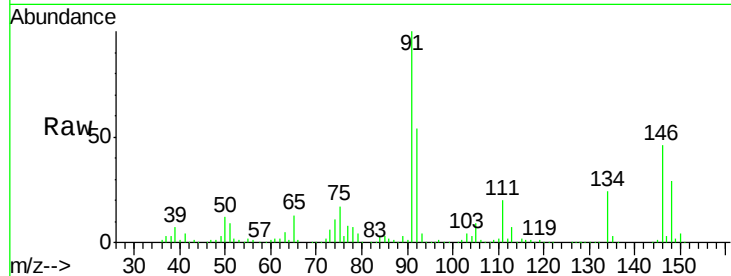
#91
 1,2-Dichlorobenzene
 Concen: 20.131 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012120.D
 Acq: 06 Sep 2019 01:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.6	18.6	56.0
148	63.7	32.4	97.2

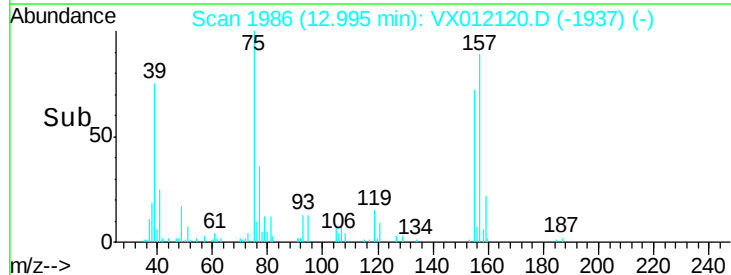
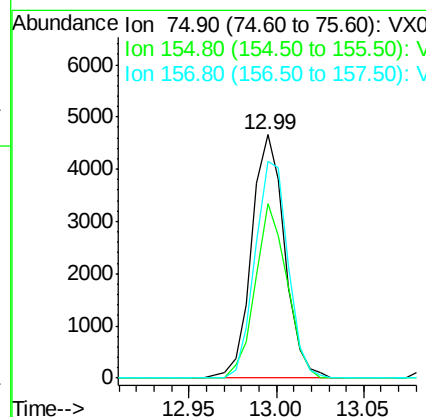
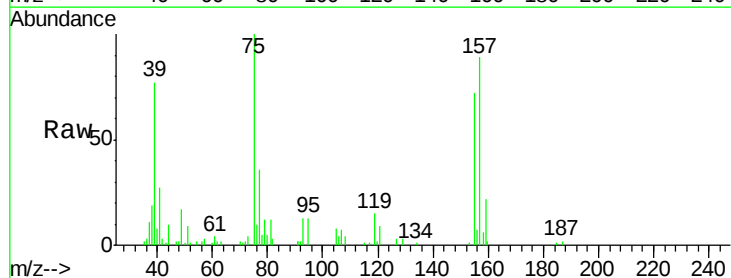
Manual Integrations
 APPROVED

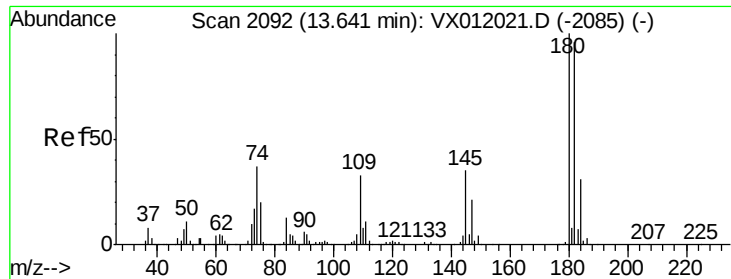
MMDadoda
 9/6/2019 12:31:48 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.611 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012120.D
 Acq: 06 Sep 2019 01:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.7	51.7	155.2
157	88.5	66.9	200.7





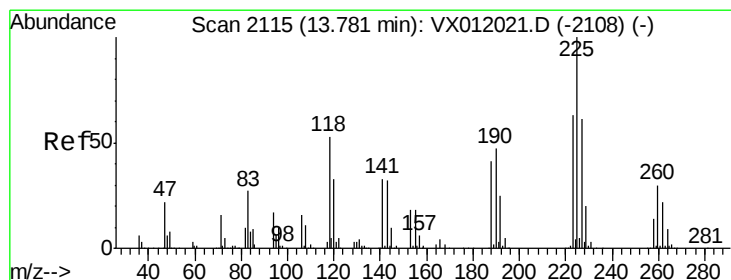
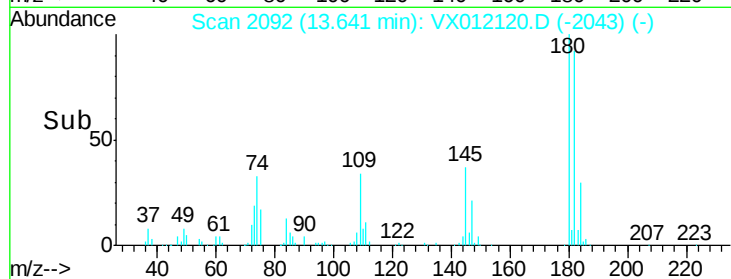
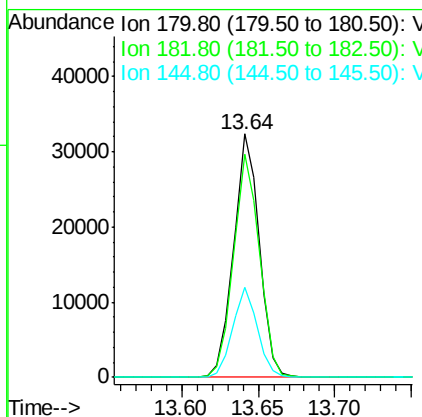
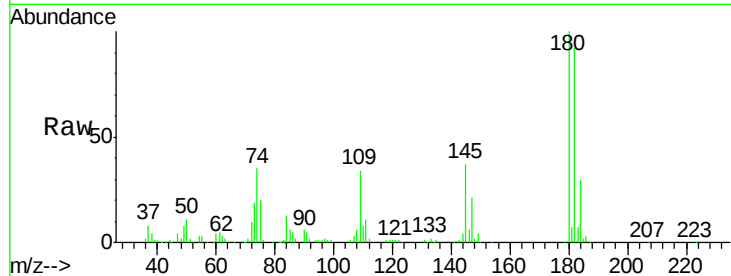
#93
 1,2,4-Trichlorobenzene
 Concen: 18.218 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012120.D
 Acq: 06 Sep 2019 01:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.3	142.0
145	35.8	13.7	41.0

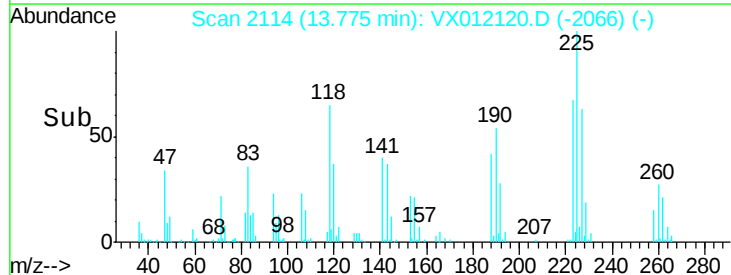
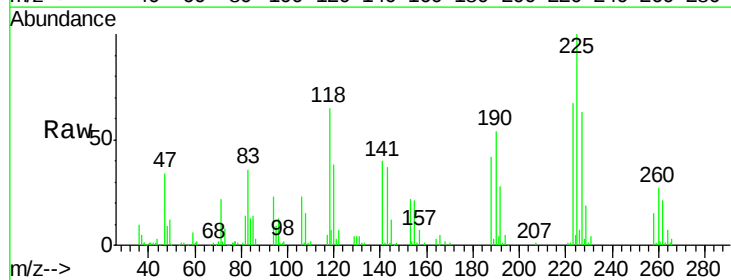
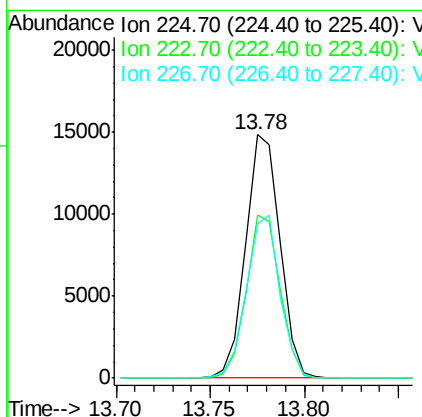
Manual Integrations
 APPROVED

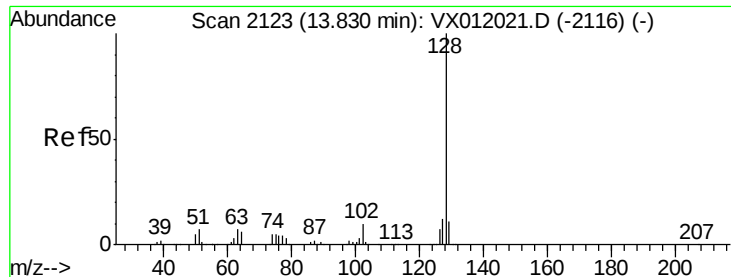
MMDadoda
 9/6/2019 12:31:48 PM



#94
 Hexachlorobutadiene
 Concen: 18.090 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012120.D
 Acq: 06 Sep 2019 01:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.8	31.6	95.0
227	65.5	32.5	97.5





#95

Naphthalene

Concen: 18.738 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX012120.D

Acq: 06 Sep 2019 01:29

Instrument :

MSVOA_X

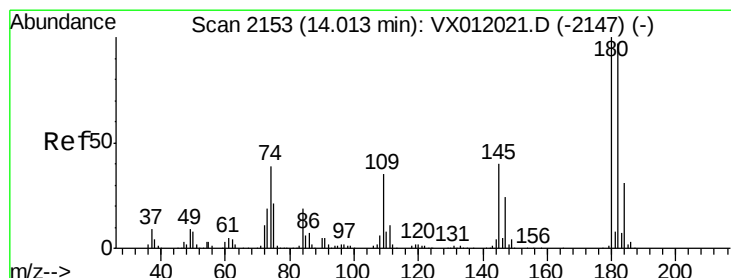
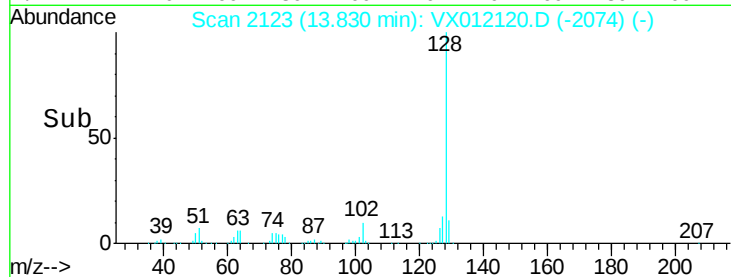
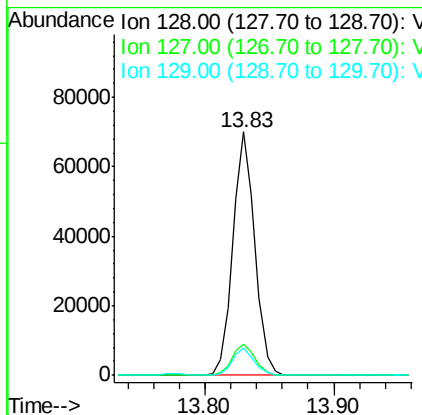
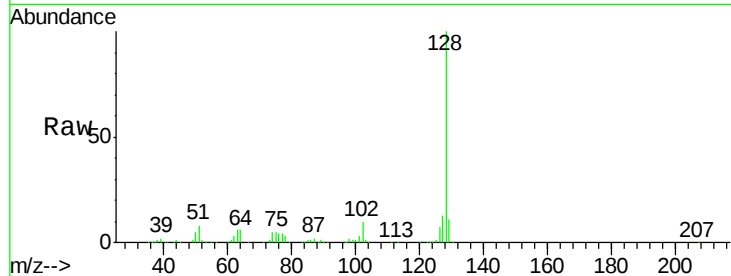
ClientSampleId :

VX0905SBS02

Tot Ion:	128	Resp:	83303
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.5	15.7
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/6/2019 12:31:48 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.712 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.01 min

Lab File: VX012120.D

Acq: 06 Sep 2019 01:29

Tgt Ion:	180	Resp:	33815
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.9	143.6
145	37.4	14.1	42.4

