

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091819\
 Data File : VX012486.D
 Acq On : 18 Sep 2019 20:04
 Operator : JC/SP
 Sample : VX0918WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/19/2019 1:05:50 PM

Quant Time: Sep 19 07:52:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	207522	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	345114	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	311217	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	150090	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	142242	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	
35) Dibromofluoromethane	5.48	113	103965	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
50) Toluene-d8	8.71	98	387501	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
62) 4-Bromofluorobenzene	11.14	95	154399	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	26820	19.611	ug/l	96
3) Chloromethane	1.32	50	22205	19.463	ug/l	95
4) Vinyl Chloride	1.40	62	24266	19.679	ug/l	99
5) Bromomethane	1.63	94	10725	22.138	ug/l	96
6) Chloroethane	1.72	64	17089	17.710	ug/l	99
7) Trichlorofluoromethane	1.92	101	46273	20.471	ug/l	98
8) Diethyl Ether	2.18	74	19708	19.303	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	33114	20.247	ug/l	99
10) Methyl Iodide	2.50	142	25557	21.034	ug/l	96
11) Tert butyl alcohol	3.03	59	71362	90.877	ug/l	99
12) 1,1-Dichloroethene	2.36	96	25815	19.786	ug/l	99
13) Acrolein	2.28	56	19001	71.555	ug/l	100
14) Allyl chloride	2.72	41	57404	18.898	ug/l	100
15) Acrylonitrile	3.13	53	127891	99.230	ug/l	99
16) Acetone	2.43	43	122193	84.650	ug/l	100
17) Carbon Disulfide	2.56	76	31032	18.017	ug/l	97
18) Methyl Acetate	2.76	43	59727	19.272	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	141255	19.857	ug/l	95
20) Methylene Chloride	2.84	84	35911	19.951	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	27190	20.069	ug/l	94
22) Diisopropyl ether	3.84	45	141156	19.847	ug/l	99
23) Vinyl Acetate	3.80	43	570641	97.537	ug/l	98
24) 1,1-Dichloroethane	3.69	63	69267	20.355	ug/l	98
25) 2-Butanone	4.66	43	186183	90.244	ug/l	96
26) 2,2-Dichloropropane	4.58	77	59239	17.701	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	40551	20.036	ug/l	96
28) Bromochloromethane	5.00	49	32273	18.396	ug/l	94
29) Tetrahydrofuran	5.12	42	113367	99.468	ug/l	99
30) Chloroform	5.20	83	76303	19.524	ug/l	93
31) Cyclohexane	5.57	56	40636	19.782	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	64240	19.667	ug/l	99
36) 1,1-Dichloropropene	5.79	75	41039	19.566	ug/l	96
37) Ethyl Acetate	4.82	43	65686	20.402	ug/l	96
38) Carbon Tetrachloride	5.78	117	51532	19.754	ug/l	95

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Instrument :
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Manual Integrations
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MMDadoda
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	42066	20.631	ug/l	93
40) Benzene	6.13	78	137008	20.542	ug/l	98
41) Methacrylonitrile	5.03	41	39642	19.122	ug/l	97
42) 1,2-Dichloroethane	6.18	62	60934	19.697	ug/l	99
43) Isopropyl Acetate	6.43	43	112086	19.397	ug/l	99
44) Trichloroethene	7.21	130	37312	21.266	ug/l	97
45) 1,2-Dichloropropane	7.51	63	40734	19.879	ug/l	95
46) Dibromomethane	7.65	93	26891	20.279	ug/l	98
47) Bromodichloromethane	7.89	83	57257	19.392	ug/l	97
48) Methyl methacrylate	7.76	41	52384	19.231	ug/l	97
49) 1,4-Dioxane	7.73	88	24755	373.402	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	373895	98.666	ug/l	100
52) Toluene	8.78	92	89115	20.735	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	57820	18.839	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	62707	19.735	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	44536	20.114	ug/l	98
56) Ethyl methacrylate	9.17	69	68399	19.758	ug/l	98
57) 1,3-Dichloropropane	9.37	76	71699	20.295	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	166700	93.024	ug/l	100
59) 2-Hexanone	9.49	43	284647	96.280	ug/l	99
60) Dibromochloromethane	9.58	129	44246	19.618	ug/l	100
61) 1,2-Dibromoethane	9.67	107	41663	20.602	ug/l	97
64) Tetrachloroethene	9.33	164	34925	24.490	ug/l	93
65) Chlorobenzene	10.14	112	105141	20.469	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	42823	20.087	ug/l	99
67) Ethyl Benzene	10.24	91	182270	20.654	ug/l	99
68) m/p-Xylenes	10.35	106	132985	41.416	ug/l	100
69) o-Xylene	10.70	106	68426	20.721	ug/l	99
70) Styrene	10.71	104	124212	21.260	ug/l	97
71) Bromoform	10.85	173	30001	18.276	ug/l #	99
73) Isopropylbenzene	11.01	105	192381	20.429	ug/l	97
74) N-amyl acetate	10.89	43	98531	19.434	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	72334	19.581	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	69090m	20.040	ug/l	
77) Bromobenzene	11.25	156	48202	20.988	ug/l	97
78) n-propylbenzene	11.35	91	215252	20.508	ug/l	99
79) 2-Chlorotoluene	11.42	91	138076	20.221	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	165855	20.651	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	19789	17.878	ug/l	92
82) 4-Chlorotoluene	11.51	91	159590	20.364	ug/l	100
83) tert-Butylbenzene	11.76	119	171002	19.870	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	169753	20.585	ug/l	100
85) sec-Butylbenzene	11.94	105	195539	20.620	ug/l	99
86) p-Isopropyltoluene	12.06	119	178913	20.546	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	90191	20.876	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	92988	20.953	ug/l	98
89) n-Butylbenzene	12.38	91	156340	20.122	ug/l	98
90) Hexachloroethane	12.59	117	28862	18.076	ug/l	95
91) 1,2-Dichlorobenzene	12.38	146	95528	21.156	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	18394	19.206	ug/l	98

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Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

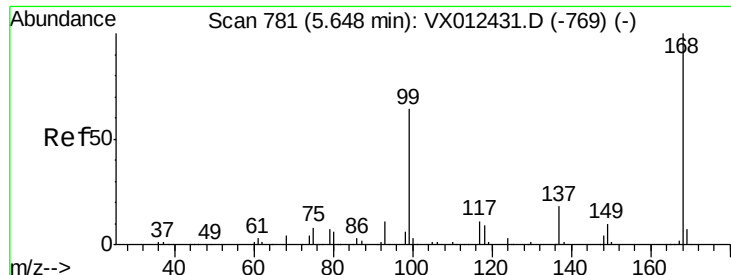
Manual Integrations
APPROVED

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9/19/2019 1:05:50 PM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 17 15:27:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	62445	21.470	ug/l	99
94) Hexachlorobutadiene	13.78	225	26187	19.103	ug/l	99
95) Naphthalene	13.83	128	238007	22.998	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	66664	22.492	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012486.D

Acq: 18 Sep 2019 20:04

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tot Ion:168 Resp: 207522

Ion Ratio Lower Upper

168 100

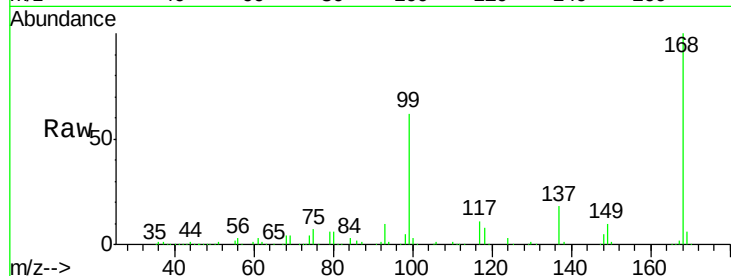
99 61.4 51.4 77.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

60000

40000

20000

0

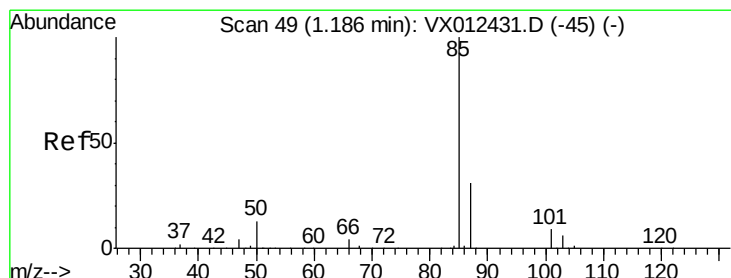
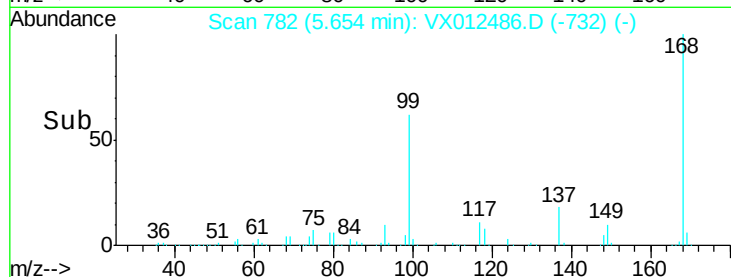
Time-->

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 19.611 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012486.D

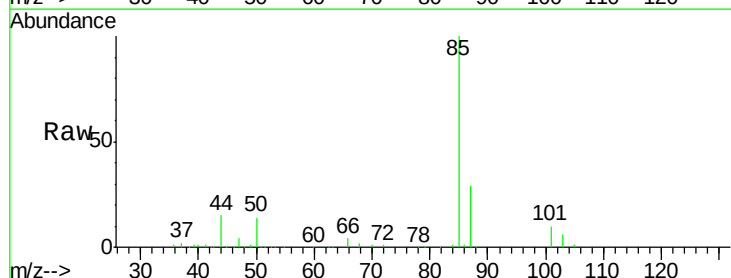
Acq: 18 Sep 2019 20:04

Tgt Ion: 85 Resp: 26820

Ion Ratio Lower Upper

85 100

87 29.0 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

25000

20000

15000

10000

5000

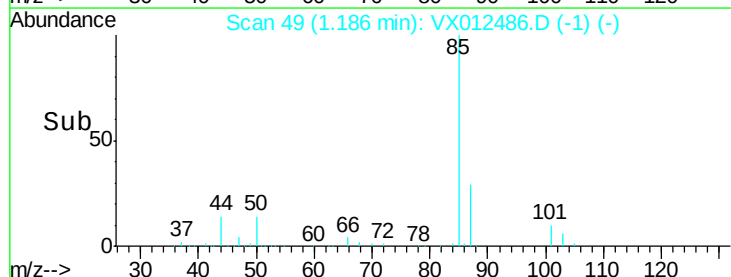
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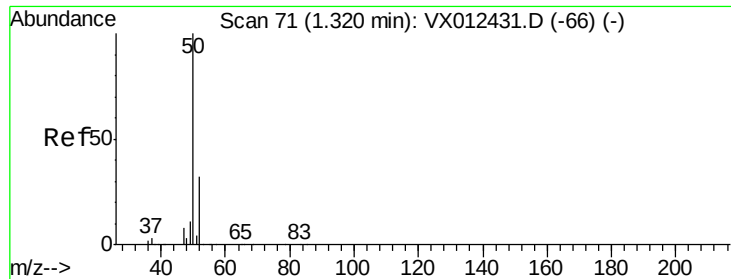
Time-->

1.15

1.20

1.25





#3

Chloromethane

Concen: 19.463 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX012486.D

Acq: 18 Sep 2019 20:04

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tot Ion: 50 Resp: 22205

Ion Ratio Lower Upper

50 100

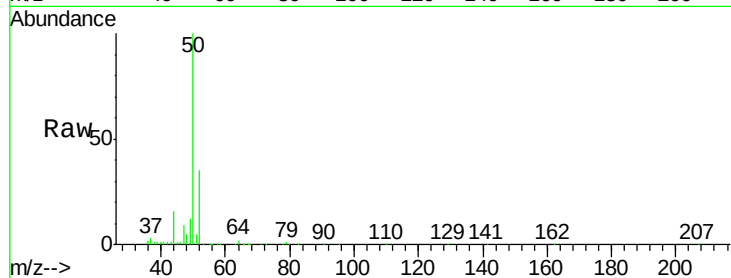
52 34.8 25.7 38.5

Manual Integrations

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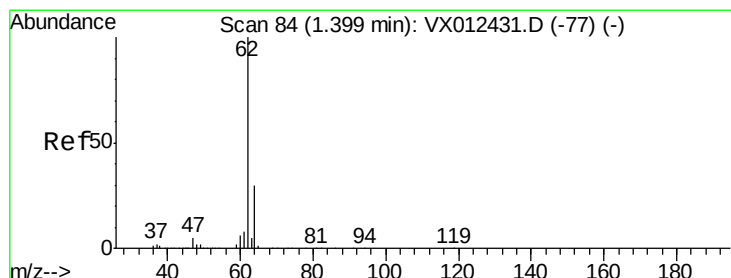
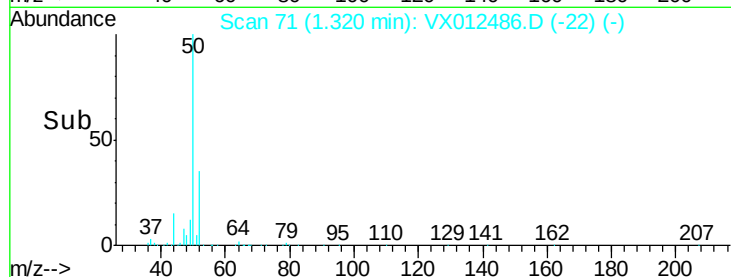
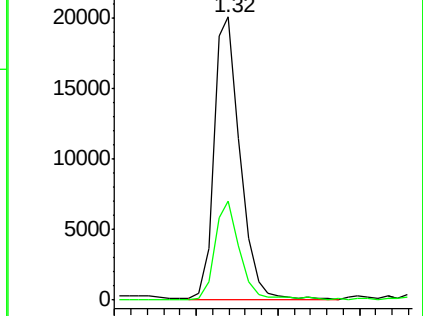
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.679 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX012486.D

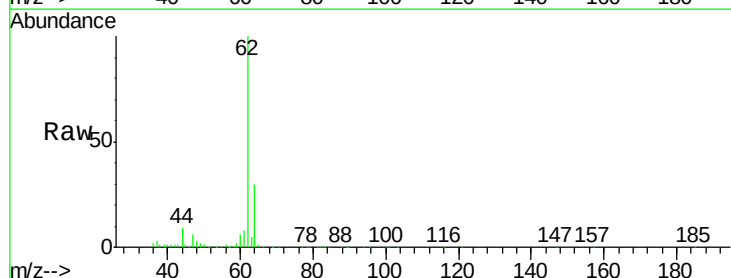
Acq: 18 Sep 2019 20:04

Tgt Ion: 62 Resp: 24266

Ion Ratio Lower Upper

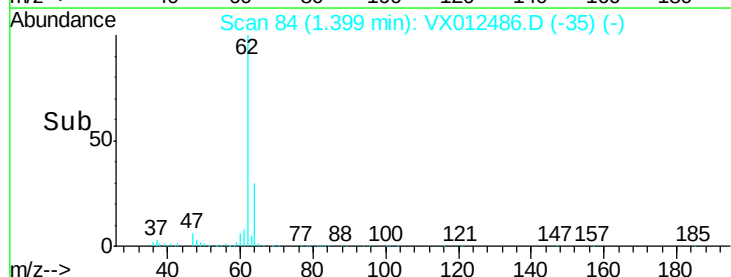
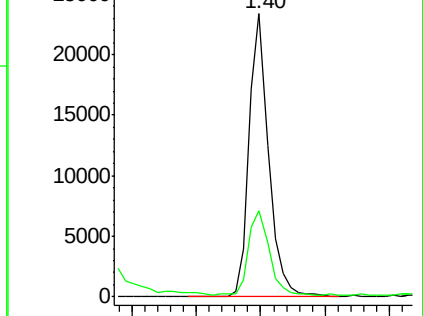
62 100

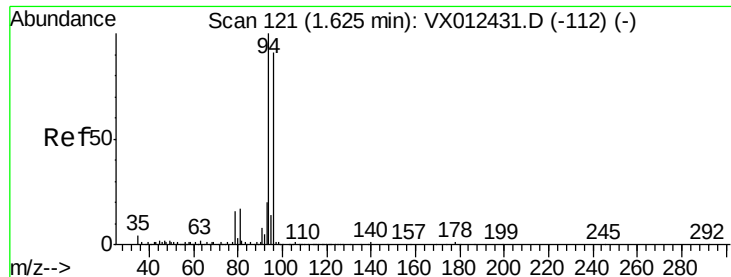
64 29.5 24.2 36.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 22.138 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012486.D

Acq: 18 Sep 2019 20:04

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tot Ion: 94 Resp: 10725

Ion Ratio Lower Upper

94 100

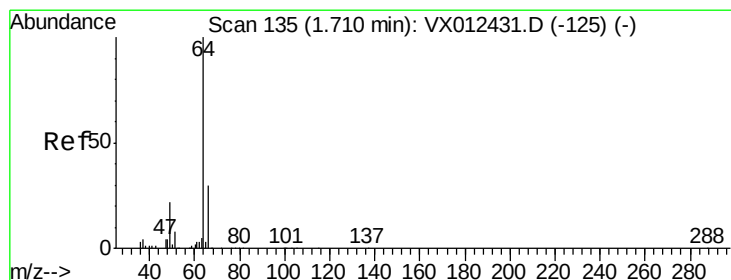
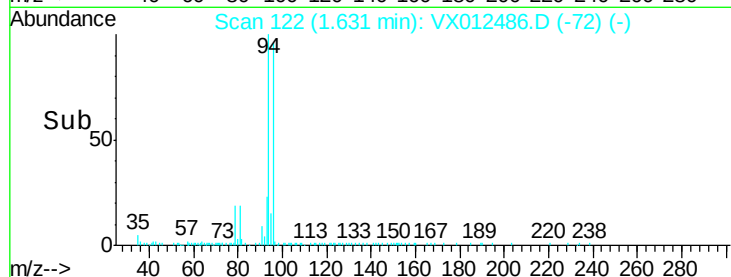
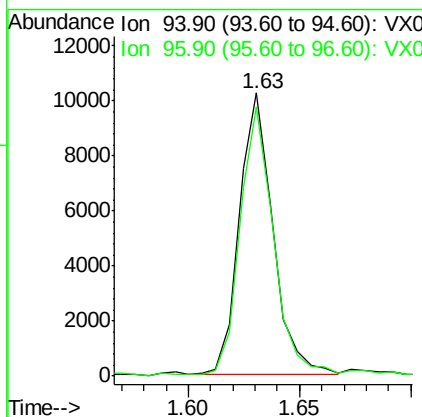
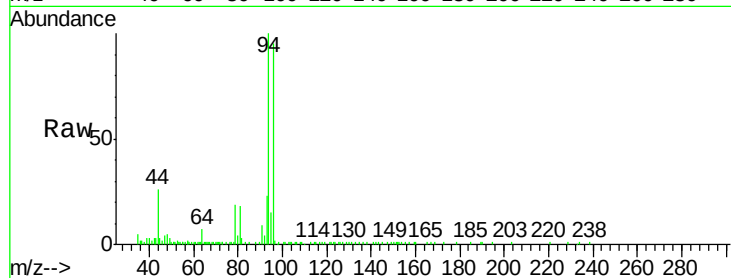
96 95.2 72.8 109.2

Manual Integrations

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#6

Chloroethane

Concen: 17.710 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX012486.D

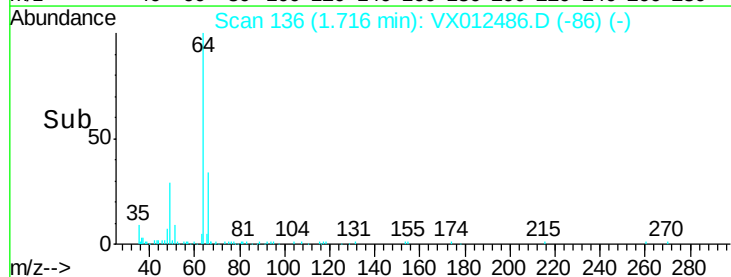
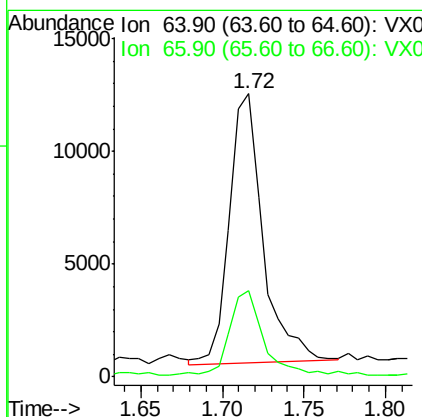
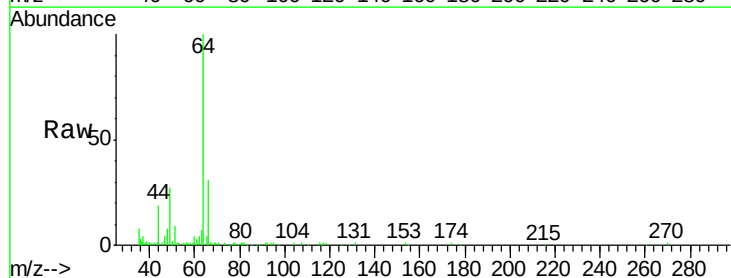
Acq: 18 Sep 2019 20:04

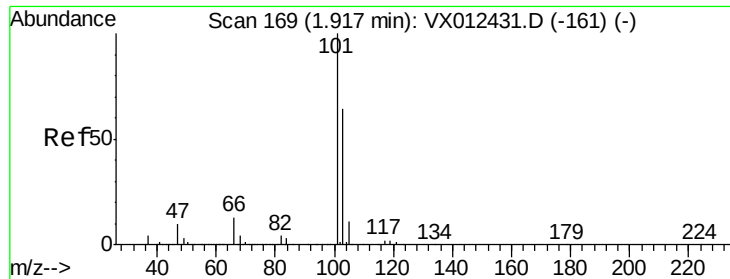
Tgt Ion: 64 Resp: 17089

Ion Ratio Lower Upper

64 100

66 30.8 24.0 36.0





#7

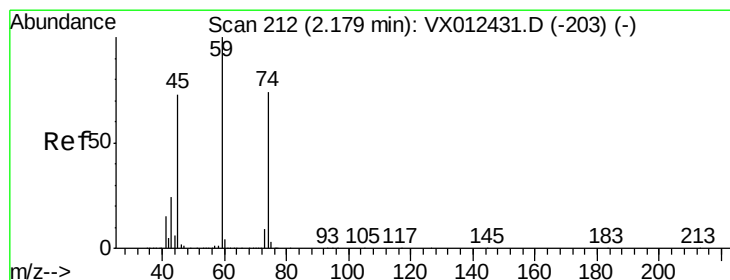
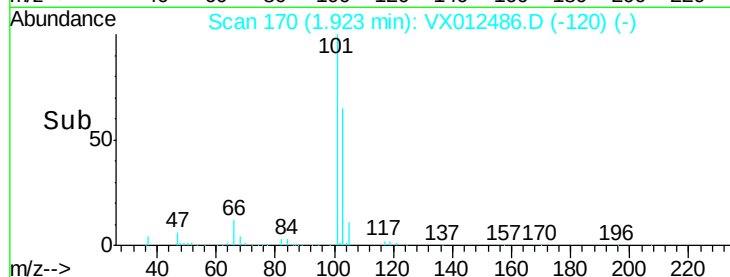
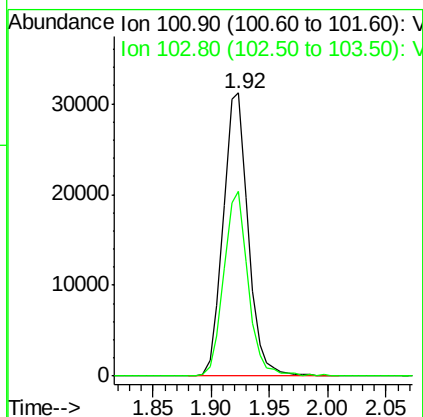
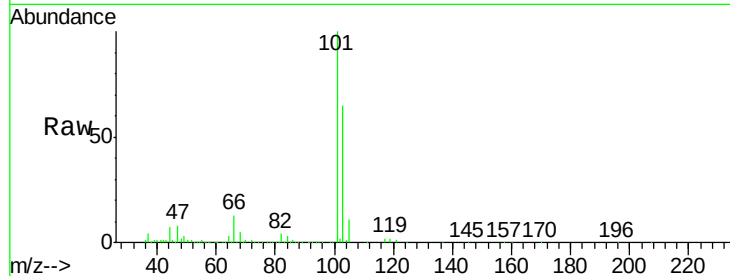
Trichlorofluoromethane
Concen: 20.471 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX012486.D
Acq: 18 Sep 2019 20:04

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.0	76.4

Manual Integrations
APPROVED

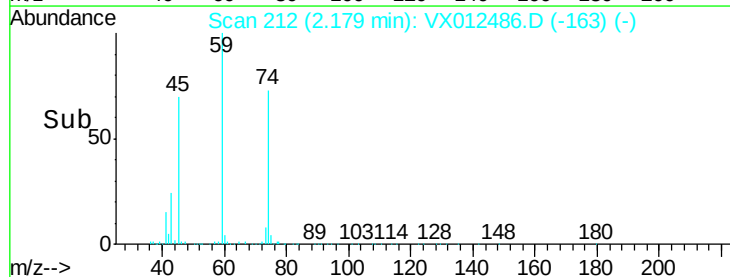
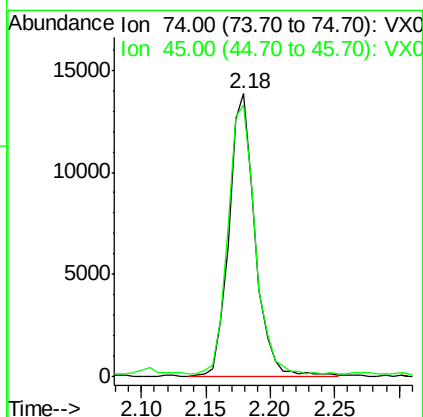
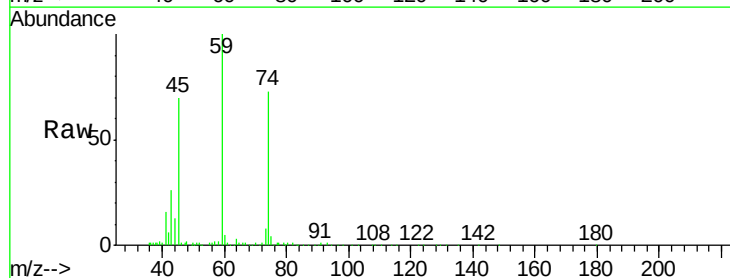
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9/19/2019 1:05:50 PM

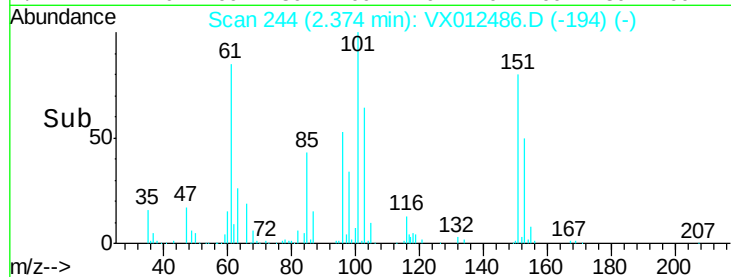
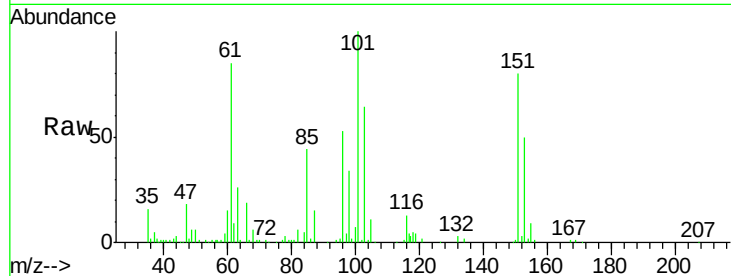
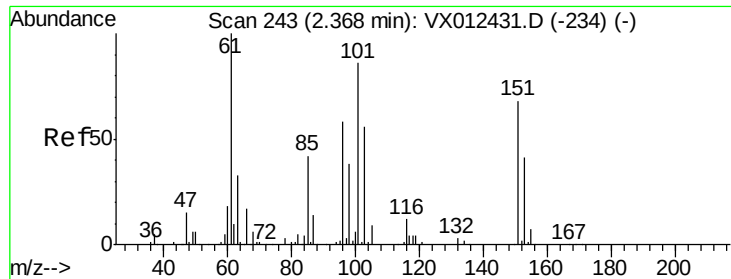


#8

Diethyl Ether
Concen: 19.303 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX012486.D
Acq: 18 Sep 2019 20:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.1	49.9	149.7





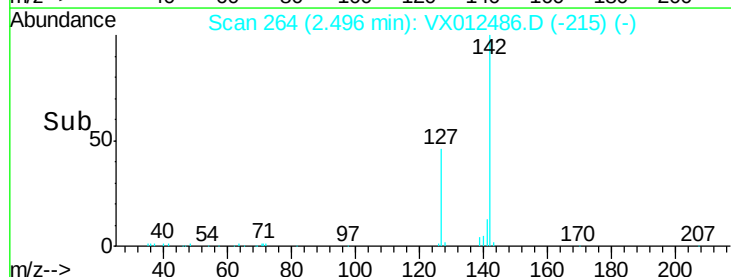
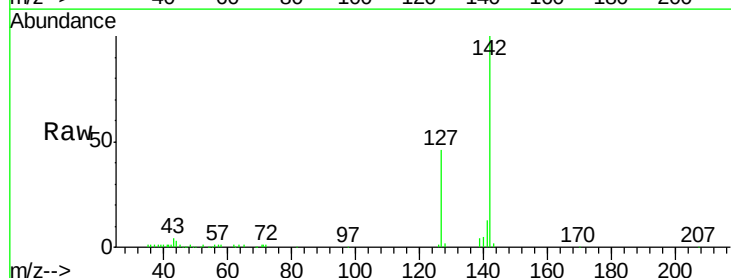
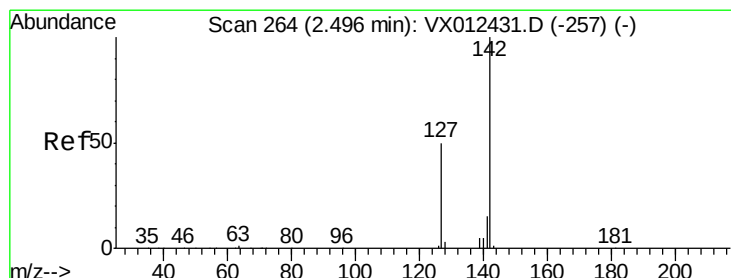
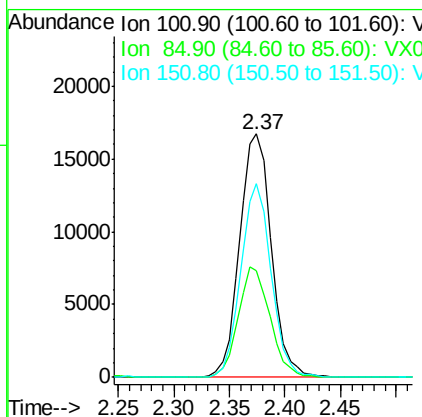
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.247 ug/l
RT: 2.37 min Scan# 244
Delta R.T. 0.01 min
Lab File: VX012486.D
Acq: 18 Sep 2019 20:04

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	33114		
85	45.3	37.3	55.9	
151	76.4	61.0	91.4	

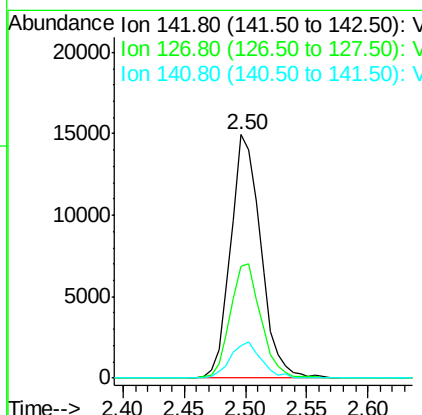
Manual Integrations
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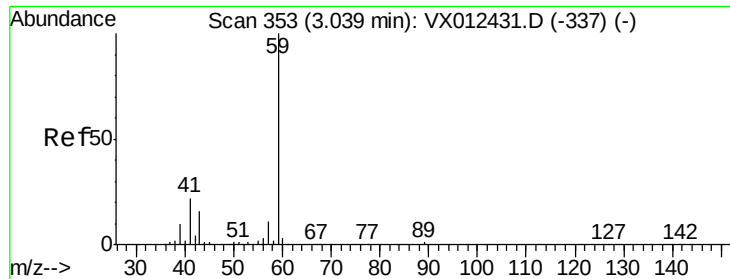
MMDadoda
9/19/2019 1:05:50 PM



#10
Methyl Iodide
Concen: 21.034 ug/l
RT: 2.50 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX012486.D
Acq: 18 Sep 2019 20:04

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	25557		
127	47.5	40.8	61.2	
141	15.1	12.1	18.1	





#11

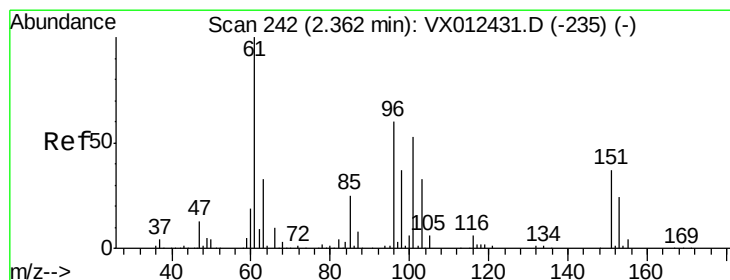
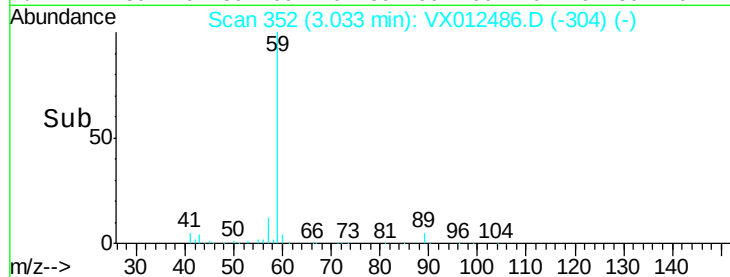
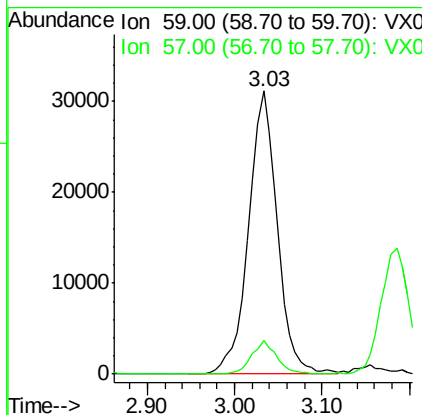
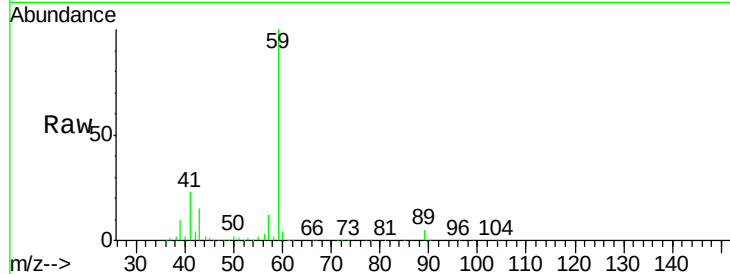
Tert butyl alcohol
Concen: 90.877 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX012486.D
Acq: 18 Sep 2019 20:04

Instrument :
MSVOA_X
ClientSampled :
VX0918WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.3	12.5

Manual Integrations
APPROVED

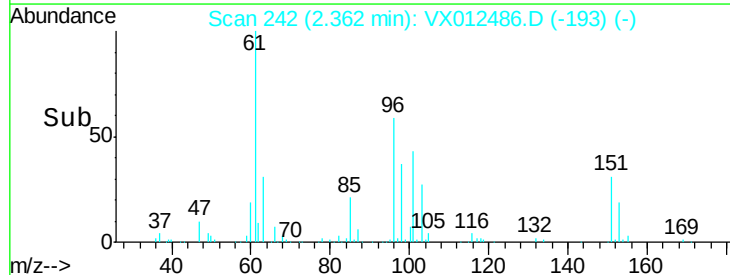
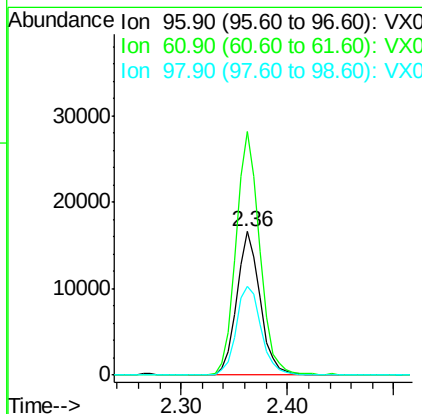
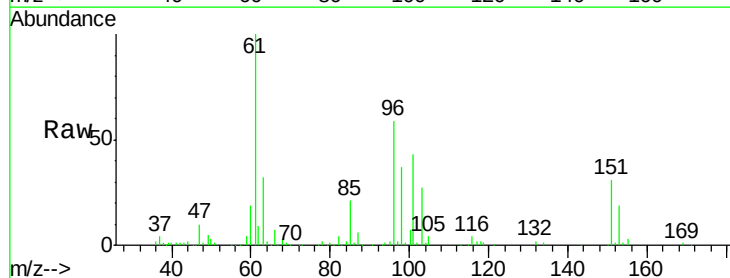
MMDadoda
9/19/2019 1:05:50 PM

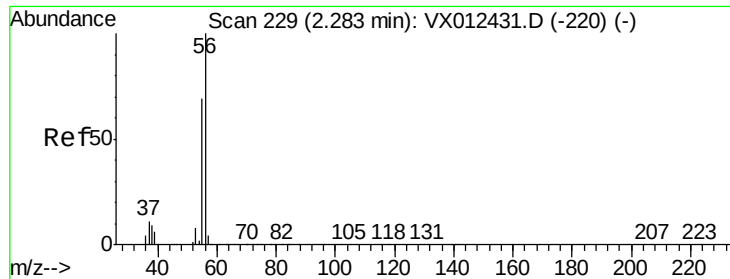


#12

1,1-Dichloroethene
Concen: 19.786 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.00 min
Lab File: VX012486.D
Acq: 18 Sep 2019 20:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.4	133.8	200.6
98	61.9	49.9	74.9





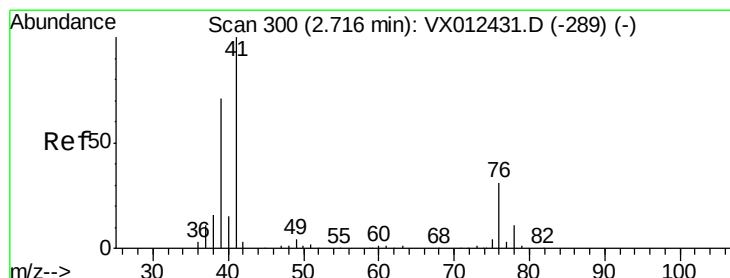
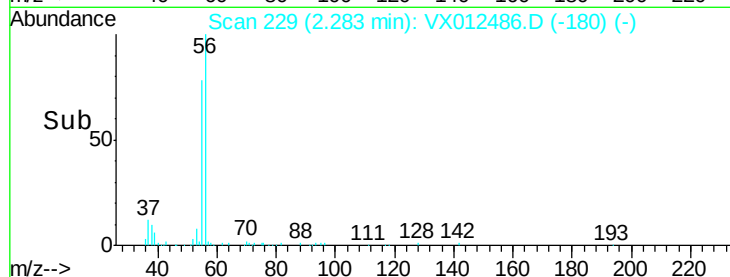
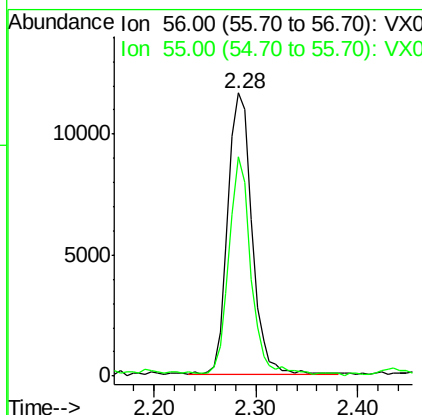
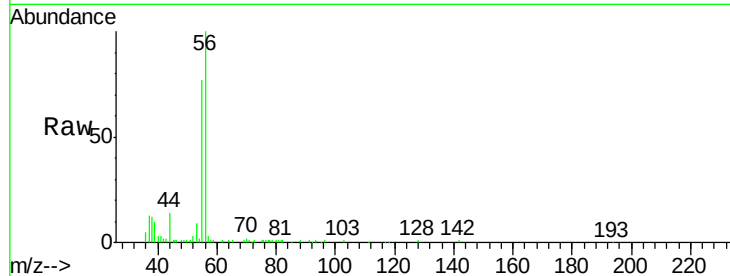
#13
Acrolein
Concen: 71.555 ug/l
RT: 2.28 min Scan# 229
Delta R.T. -0.00 min
Lab File: VX012486.D
Acq: 18 Sep 2019 20:04

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.0	55.8	83.8

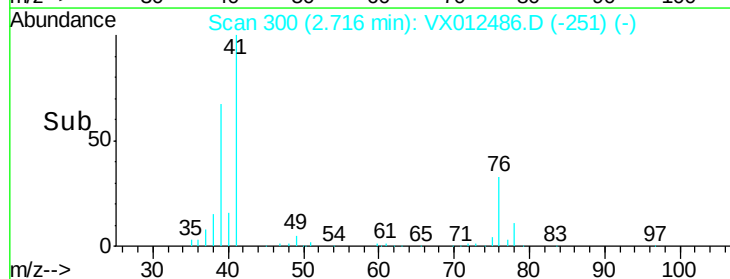
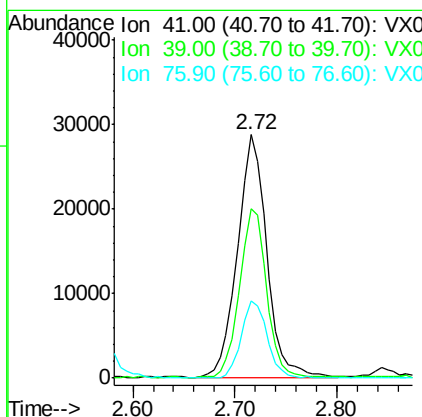
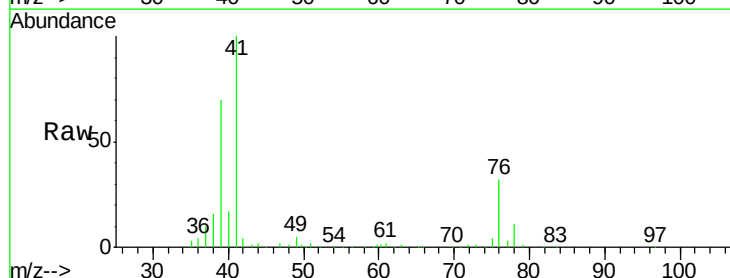
Manual Integrations
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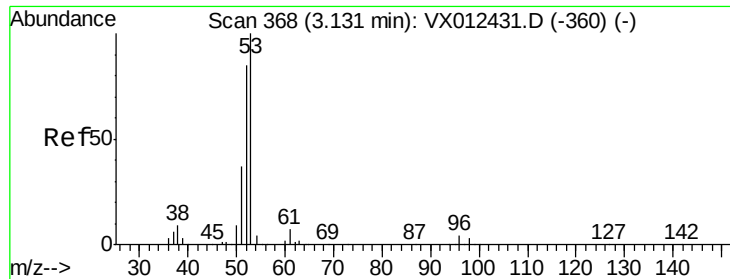
MMDadoda
9/19/2019 1:05:50 PM



#14
Allyl chloride
Concen: 18.898 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.00 min
Lab File: VX012486.D
Acq: 18 Sep 2019 20:04

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.0	51.3	76.9
76	28.1	22.6	33.8





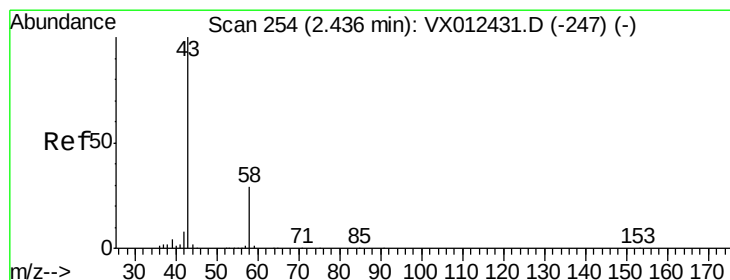
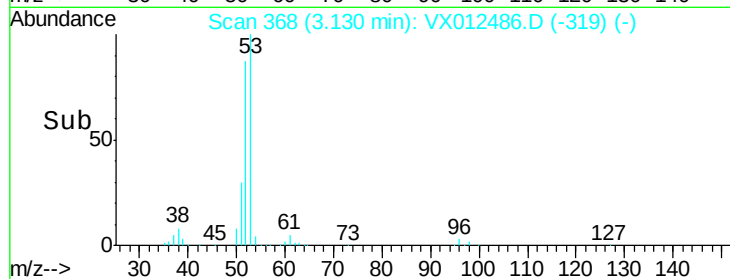
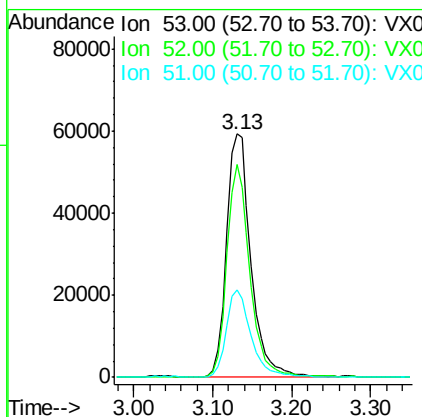
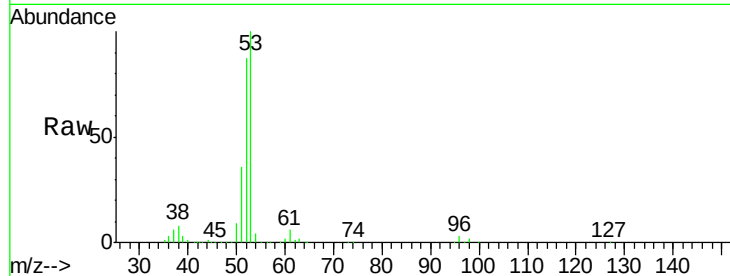
#15
 Acrylonitrile
 Concen: 99.230 ug/l
 RT: 3.13 min Scan# 368
 Delta R.T. -0.00 min
 Lab File: VX012486.D
 Acq: 18 Sep 2019 20:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.2	67.0	100.4
51	36.7	29.6	44.4

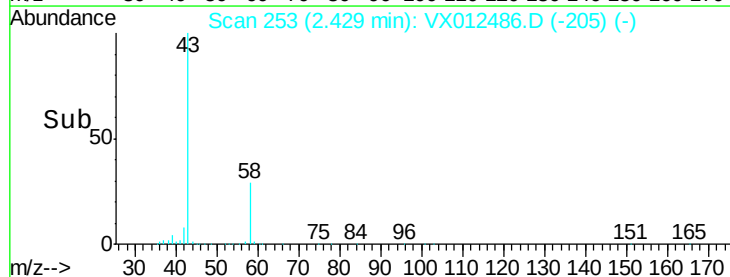
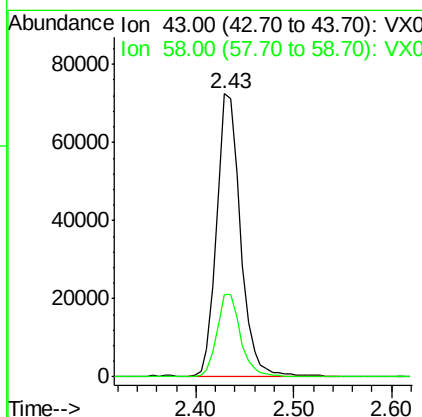
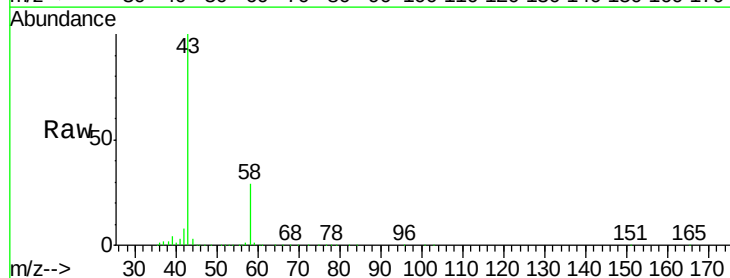
Manual Integrations
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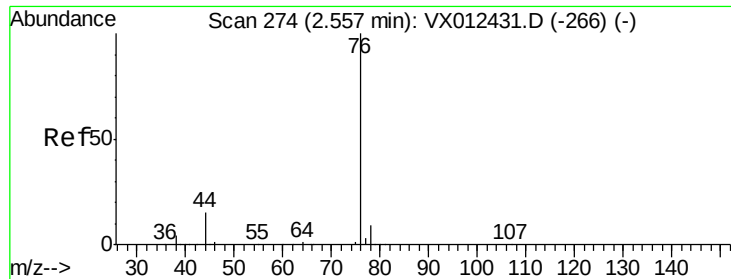
MMDadoda
 9/19/2019 1:05:50 PM



#16
 Acetone
 Concen: 84.650 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX012486.D
 Acq: 18 Sep 2019 20:04

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.3	23.3	34.9





#17

Carbon Disulfide

Concen: 18.017 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012486.D

Acq: 18 Sep 2019 20:04

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tot Ion: 76 Resp: 31032

Ion Ratio Lower Upper

76 100

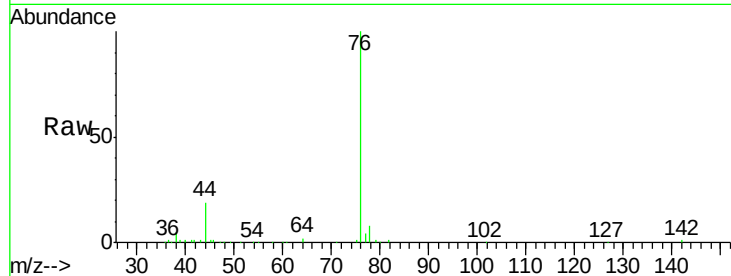
78 8.1 7.3 10.9

Manual Integrations

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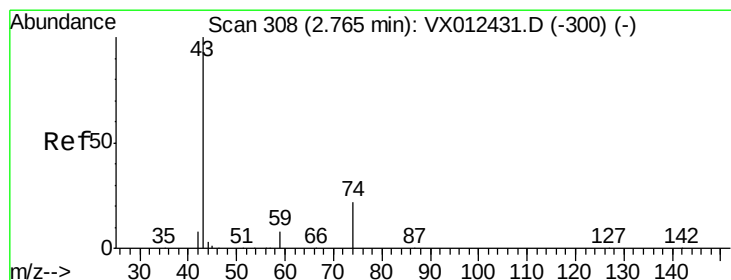
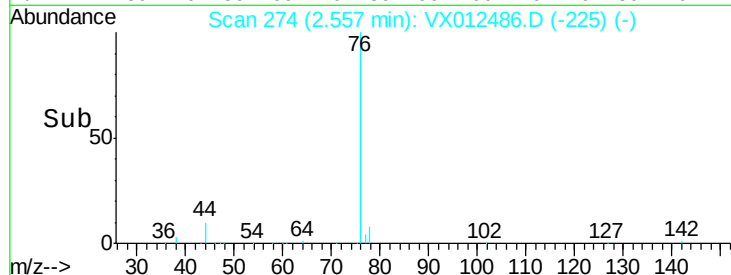
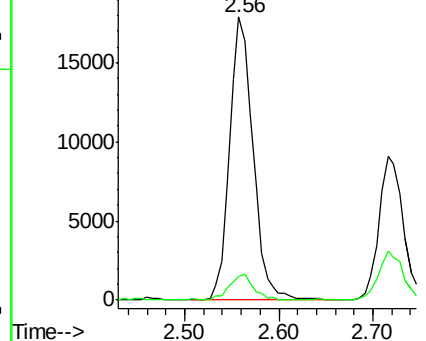
MMDadoda

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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: 19.272 ug/l

RT: 2.76 min Scan# 308

Delta R.T. -0.00 min

Lab File: VX012486.D

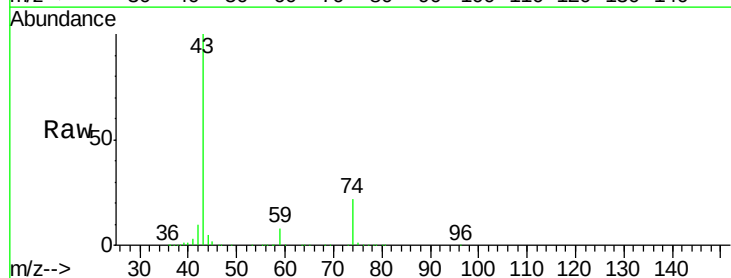
Acq: 18 Sep 2019 20:04

Tgt Ion: 43 Resp: 59727

Ion Ratio Lower Upper

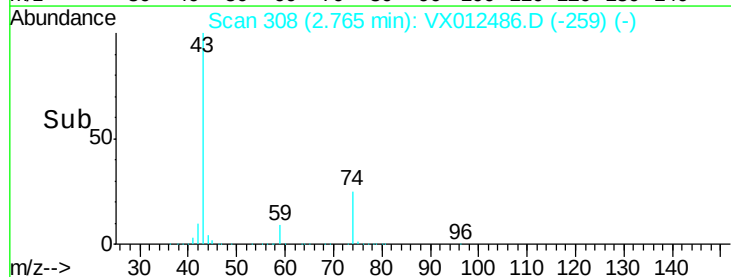
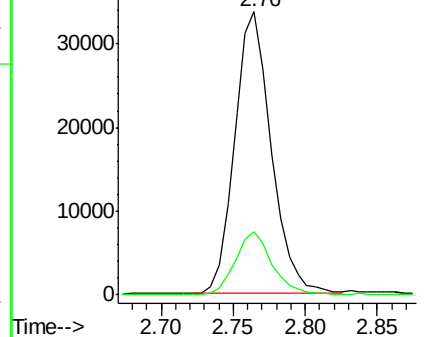
43 100

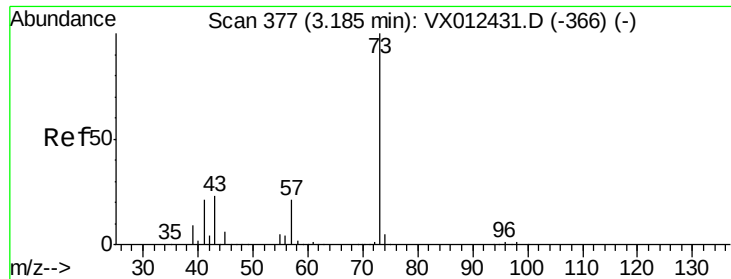
74 21.8 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





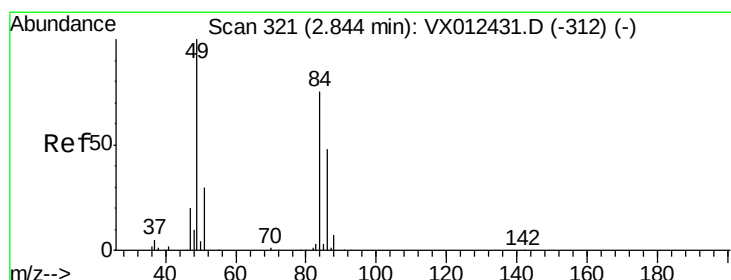
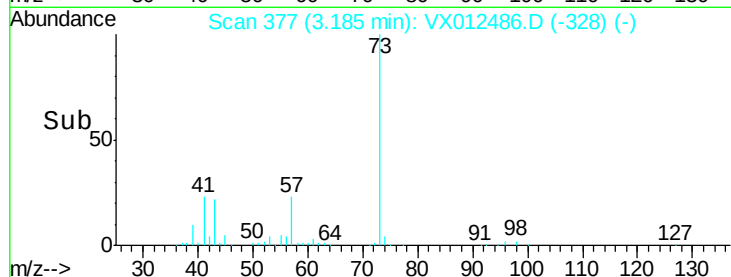
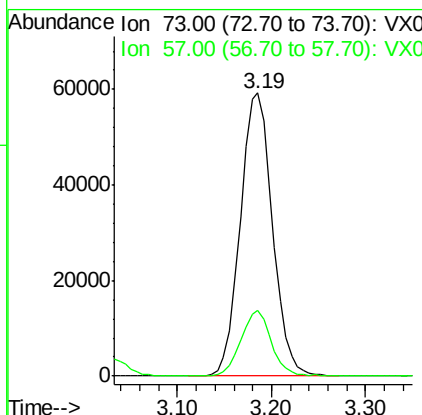
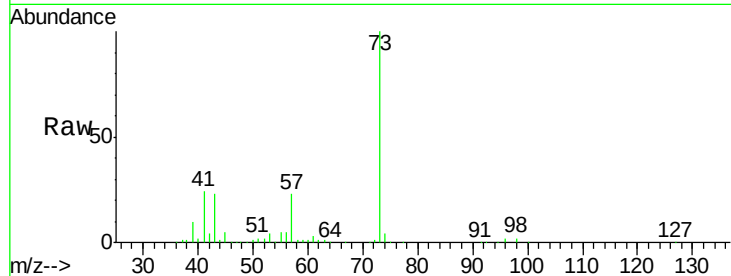
#19
Methyl tert-butyl Ether
Concen: 19.857 ug/l
RT: 3.19 min Scan# 377
Delta R.T. -0.00 min
Lab File: VX012486.D
Acq: 18 Sep 2019 20:04

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tot Ion: 73 Resp: 141255
Ion Ratio Lower Upper
73 100
57 23.4 16.8 25.2

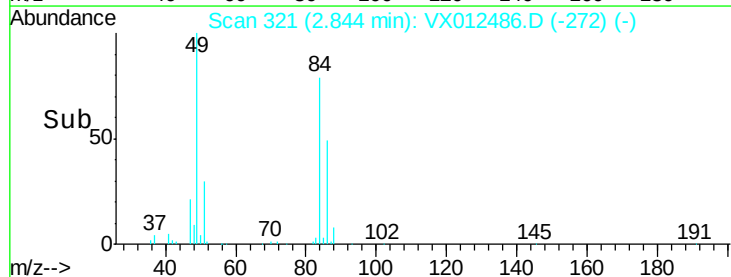
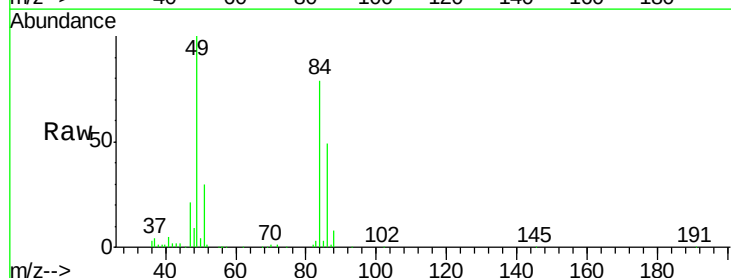
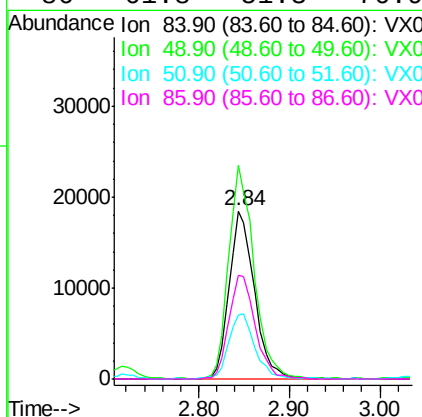
Manual Integrations
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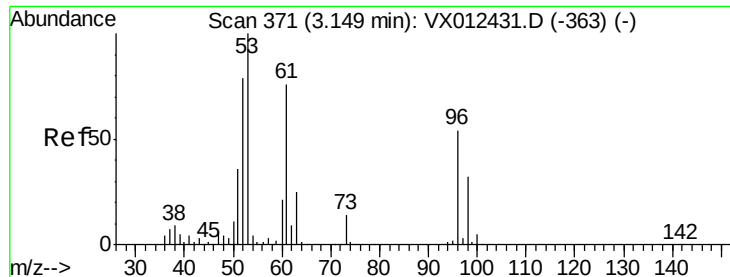
MMDadoda
9/19/2019 1:05:50 PM



#20
Methylene Chloride
Concen: 19.951 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012486.D
Acq: 18 Sep 2019 20:04

Tgt Ion: 84 Resp: 35911
Ion Ratio Lower Upper
84 100
49 127.0 106.8 160.2
51 38.4 32.3 48.5
86 61.8 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 20.069 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012486.D

Acq: 18 Sep 2019 20:04

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tot Ion: 96 Resp: 27190

Ion Ratio Lower Upper

96 100

61 147.8 112.0 168.0

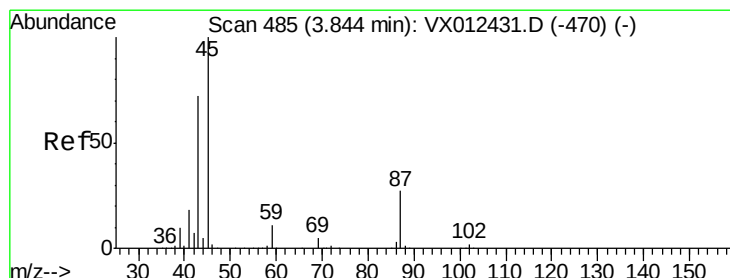
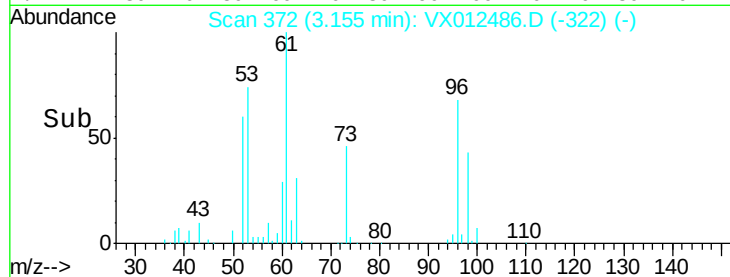
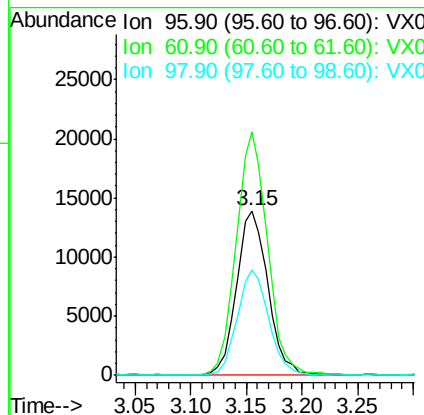
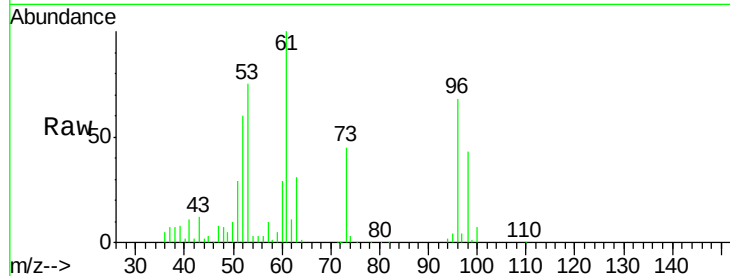
98 64.1 47.8 71.8

Manual Integrations

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MMDadoda

9/19/2019 1:05:50 PM



#22

Diisopropyl ether

Concen: 19.847 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.00 min

Lab File: VX012486.D

Acq: 18 Sep 2019 20:04

Tgt Ion: 45 Resp: 141156

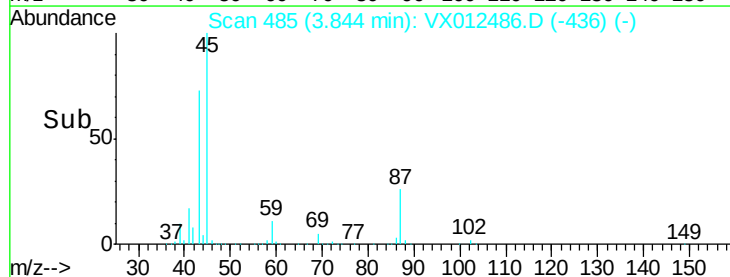
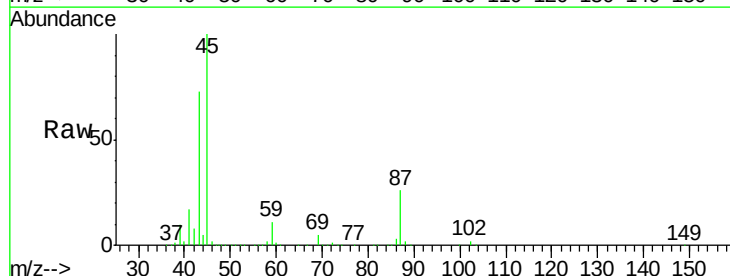
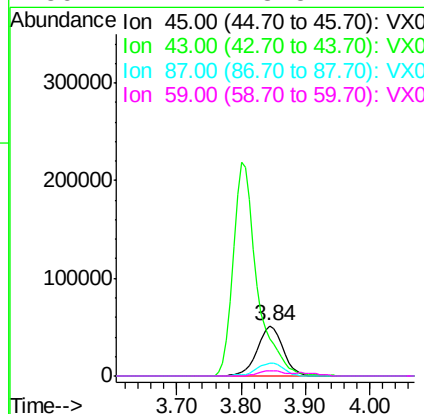
Ion Ratio Lower Upper

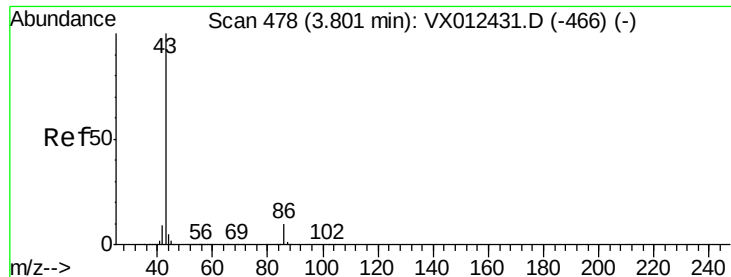
45 100

43 73.2 57.8 86.8

87 25.7 21.3 31.9

59 11.1 8.5 12.7





#23

Vinyl Acetate

Concen: 97.537 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX012486.D

Acq: 18 Sep 2019 20:04

Instrument :

MSVOA_X

ClientSampleID :

VX0918WBSD01

Tot Ion: 43 Resp: 570641

Ion Ratio Lower Upper

43 100

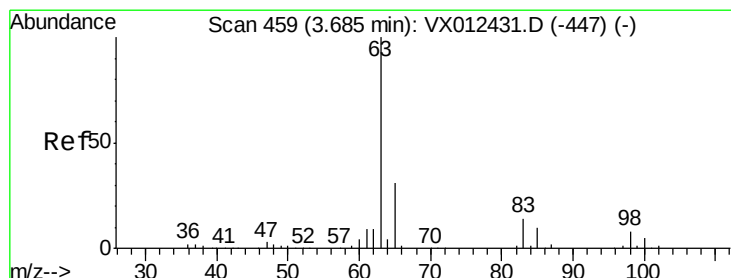
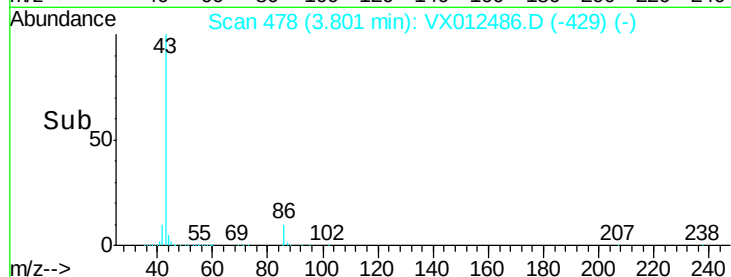
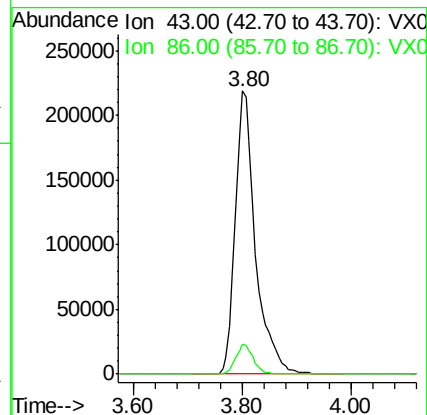
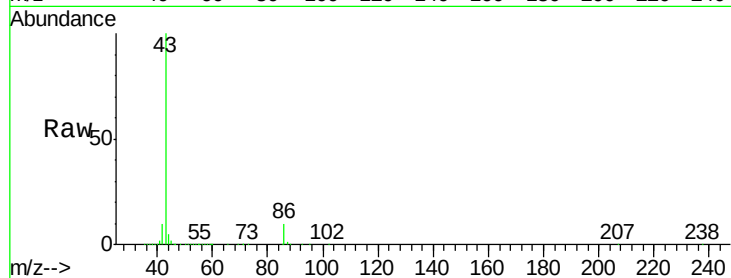
86 10.4 7.8 11.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.355 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX012486.D

Acq: 18 Sep 2019 20:04

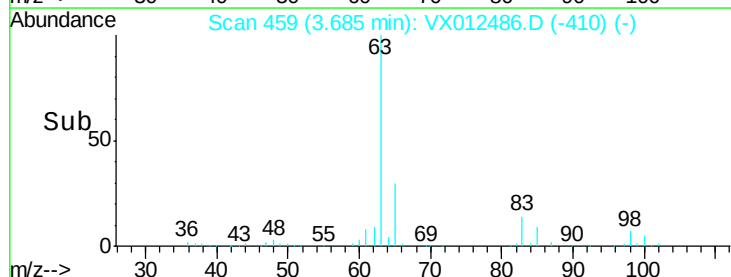
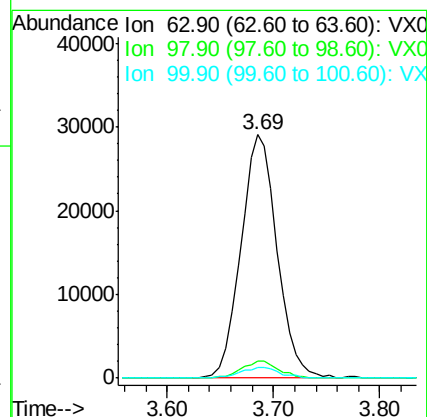
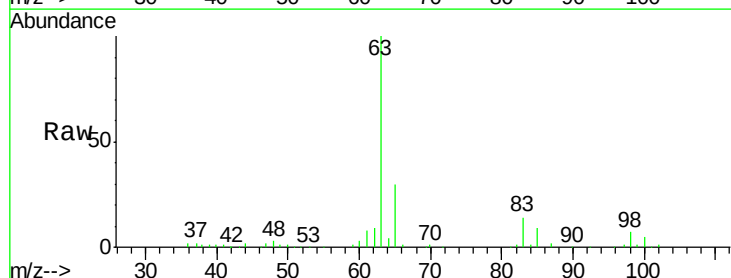
Tgt Ion: 63 Resp: 69267

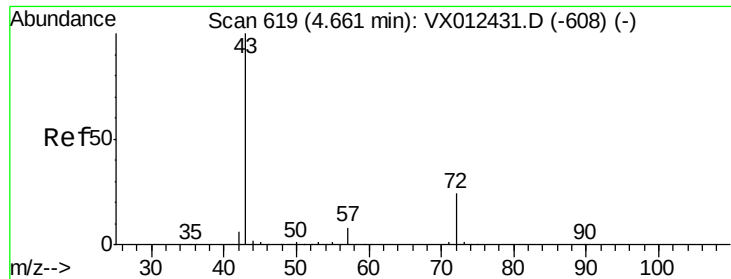
Ion Ratio Lower Upper

63 100

98 6.8 3.9 11.7

100 4.6 2.3 6.9





#25

2-Butanone

Concen: 90.244 ug/l

RT: 4.66 min Scan# 619

Delta R.T. -0.00 min

Lab File: VX012486.D

Acq: 18 Sep 2019 20:04

Instrument :

MSVOA_X

ClientSampled :

VX0918WBSD01

Tot Ion: 43 Resp: 186183

Ion Ratio Lower Upper

43 100

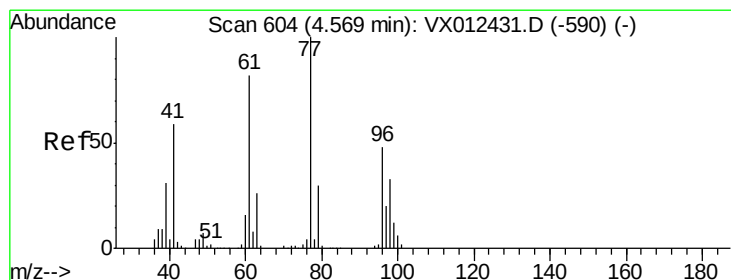
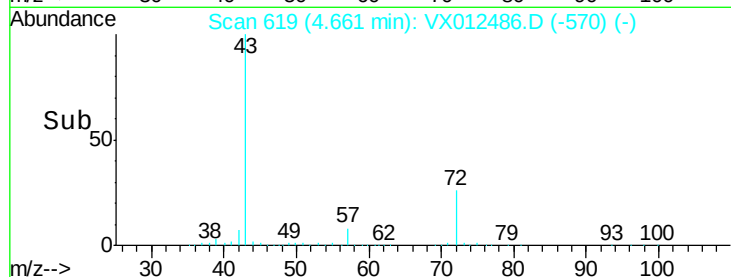
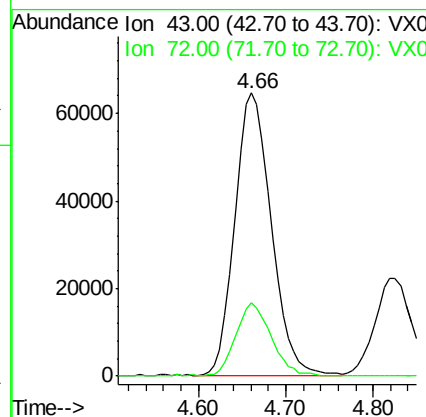
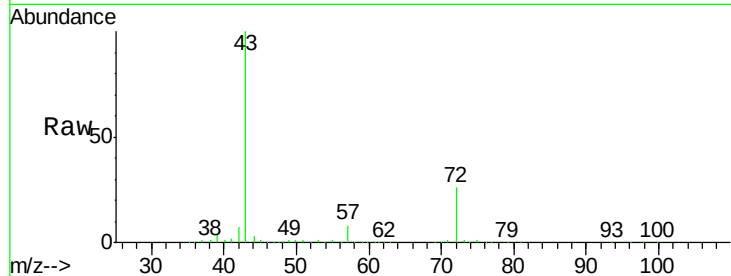
72 25.8 19.2 28.8

Manual Integrations

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9/19/2019 1:05:50 PM



#26

2,2-Dichloropropane

Concen: 17.701 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX012486.D

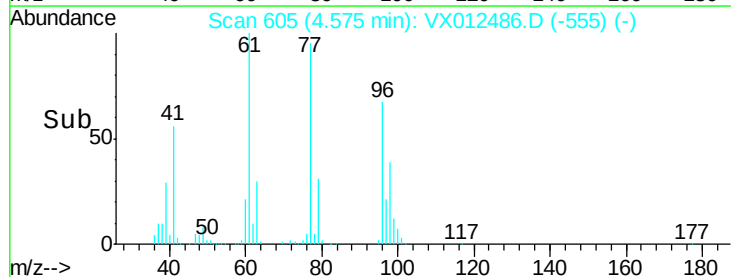
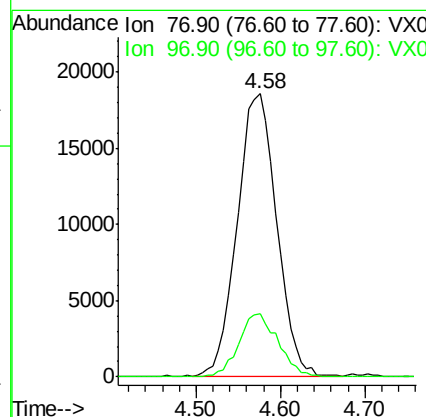
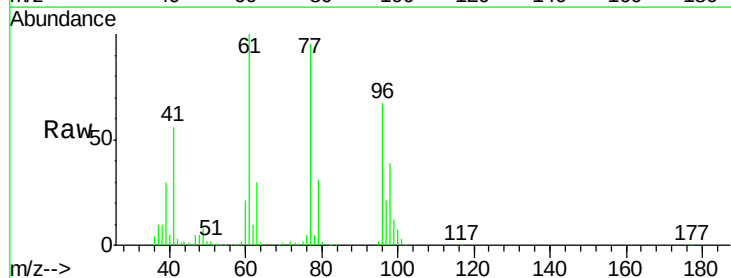
Acq: 18 Sep 2019 20:04

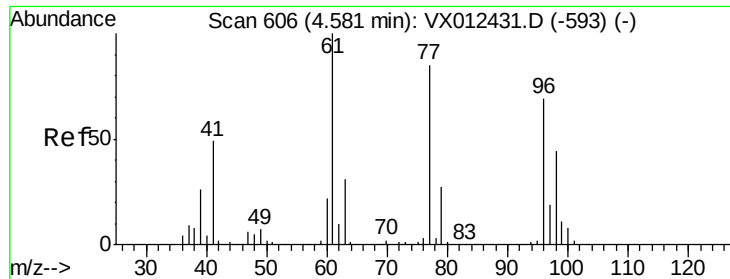
Tgt Ion: 77 Resp: 59239

Ion Ratio Lower Upper

77 100

97 22.0 10.5 31.6





#27

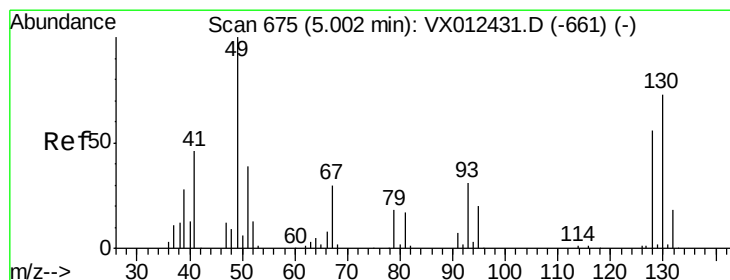
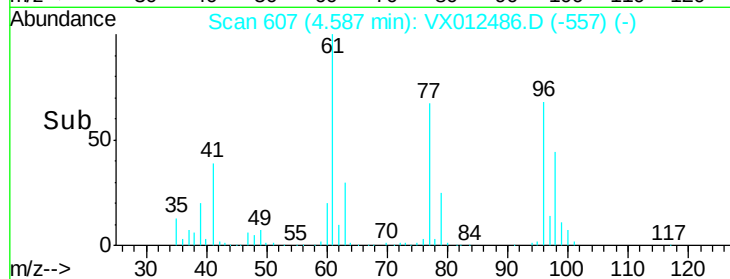
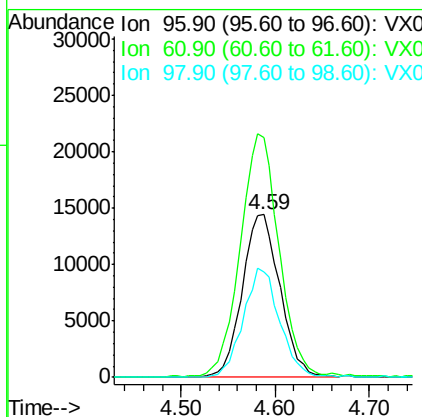
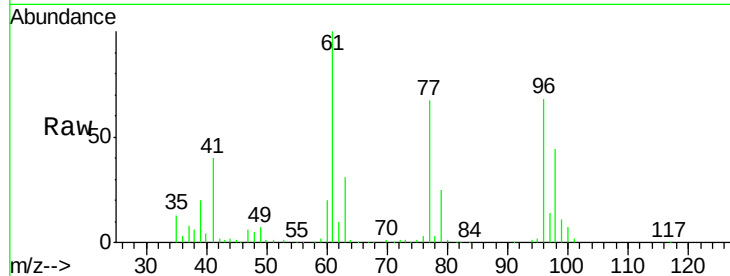
cis-1,2-Dichloroethene
 Concen: 20.036 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VX012486.D
 Acq: 18 Sep 2019 20:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	40551		
61	152.4		0.0	319.4
98	64.8		0.0	130.6

Manual Integrations
 APPROVED

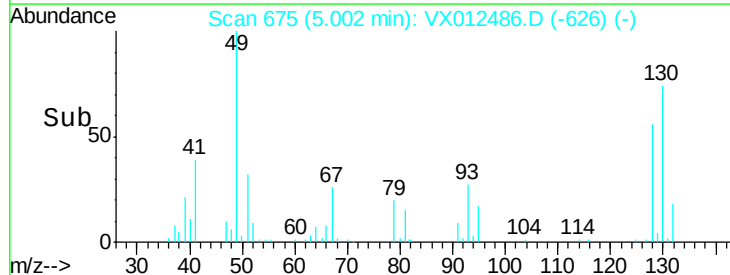
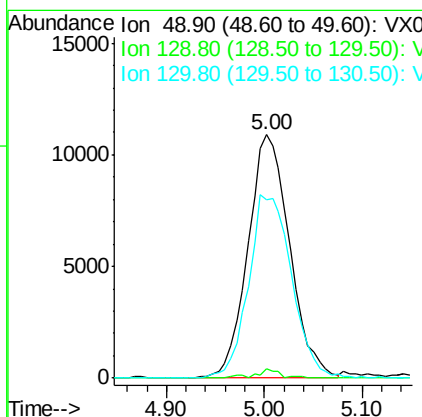
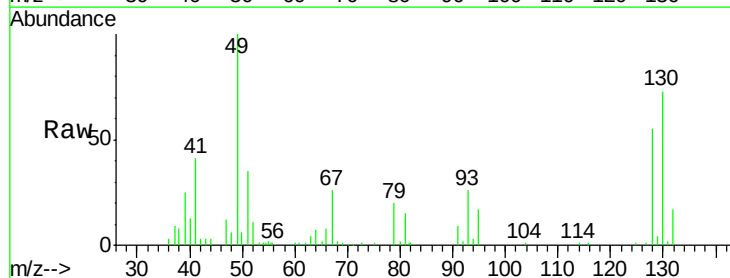
MMDadoda
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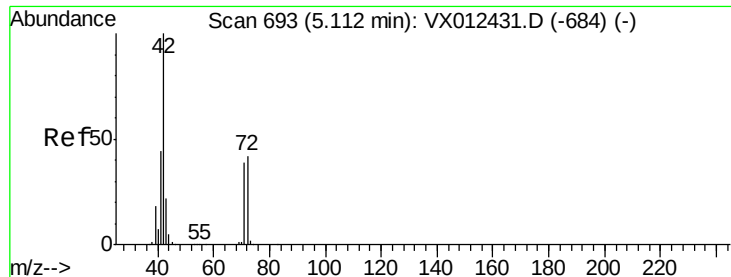


#28

Bromochloromethane
 Concen: 18.396 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. -0.00 min
 Lab File: VX012486.D
 Acq: 18 Sep 2019 20:04

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	32273		
129	1.7		0.0	3.8
130	77.8		58.2	87.4





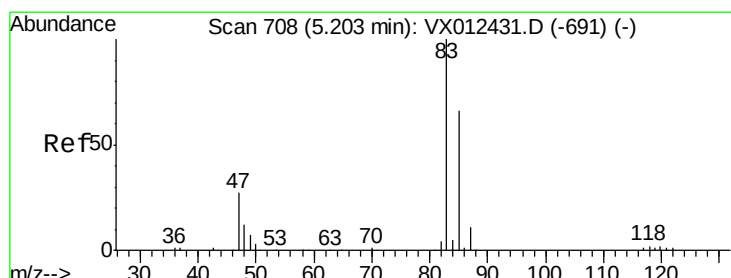
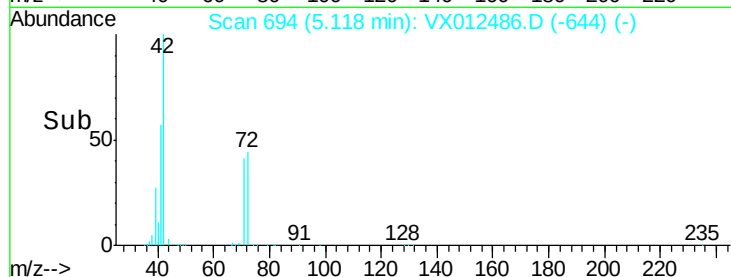
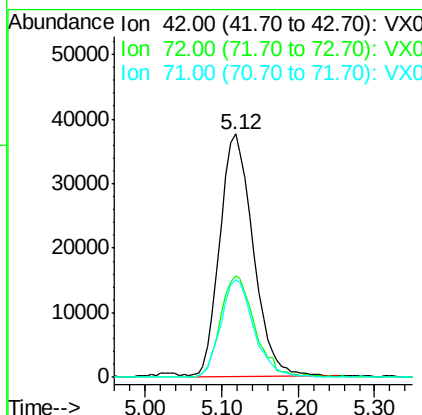
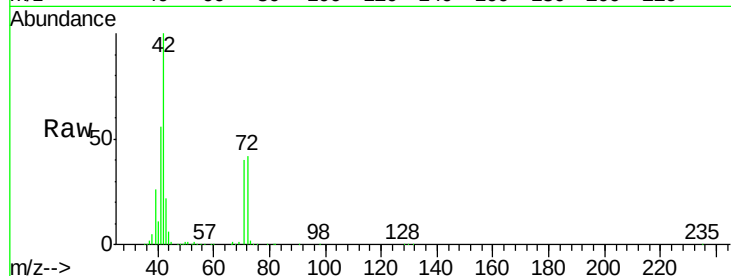
#29
Tetrahydrofuran
Concen: 99.468 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012486.D
Acq: 18 Sep 2019 20:04

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.5	34.0	51.0
71	39.8	31.5	47.3

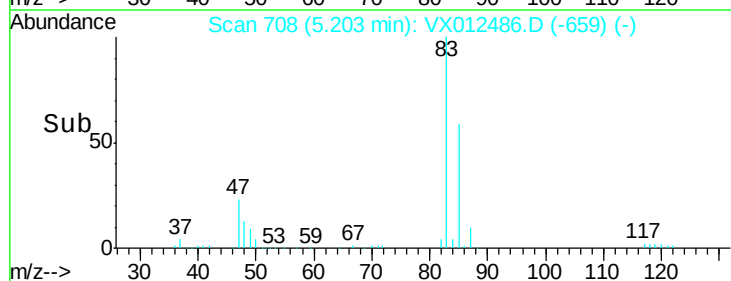
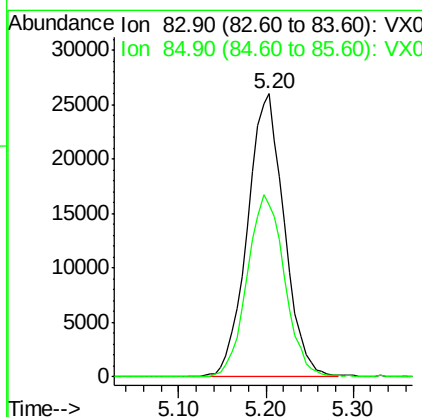
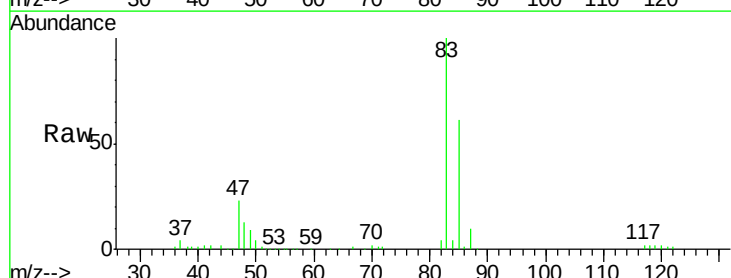
Manual Integrations
APPROVED

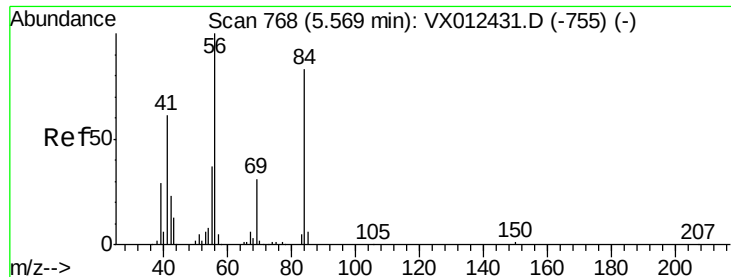
MMDadoda
9/19/2019 1:05:50 PM



#30
Chloroform
Concen: 19.524 ug/l
RT: 5.20 min Scan# 708
Delta R.T. -0.00 min
Lab File: VX012486.D
Acq: 18 Sep 2019 20:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.9	53.0	79.4





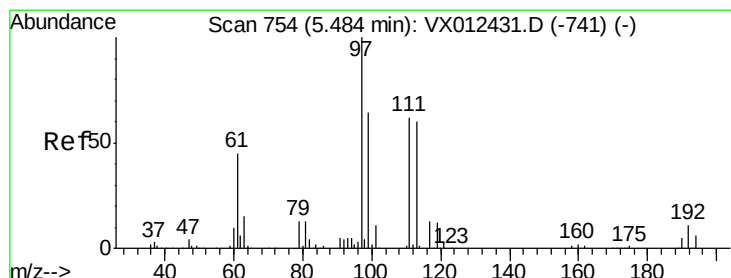
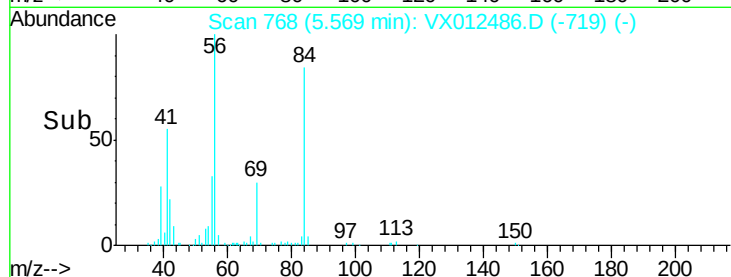
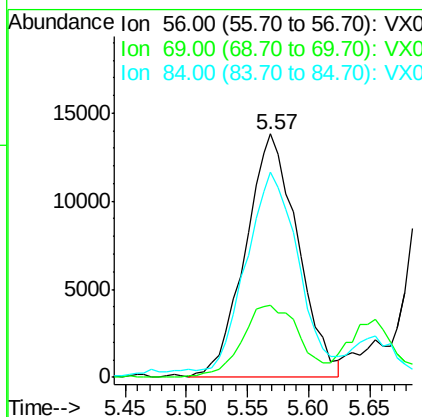
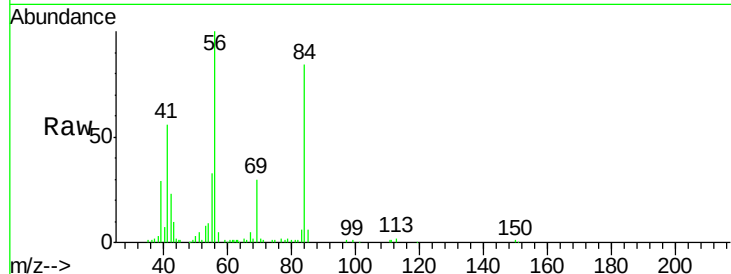
#31
Cyclohexane
Concen: 19.782 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX012486.D
Acq: 18 Sep 2019 20:04

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		40636		
69	29.1	25.0	37.6		
84	81.5	66.4	99.6		

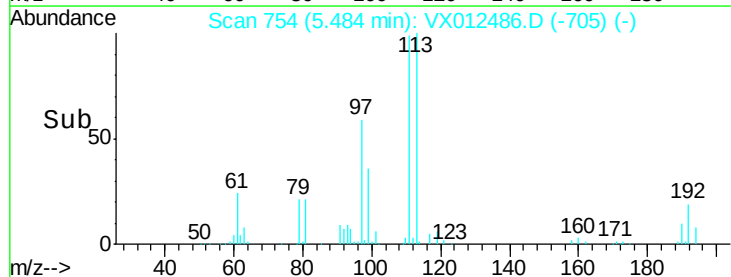
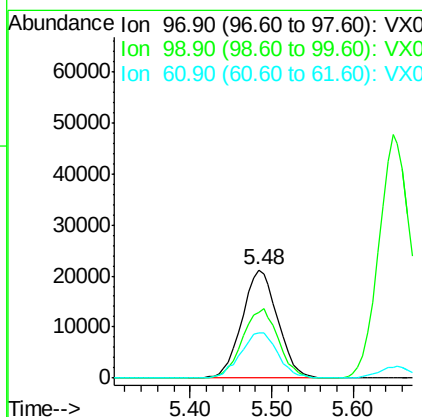
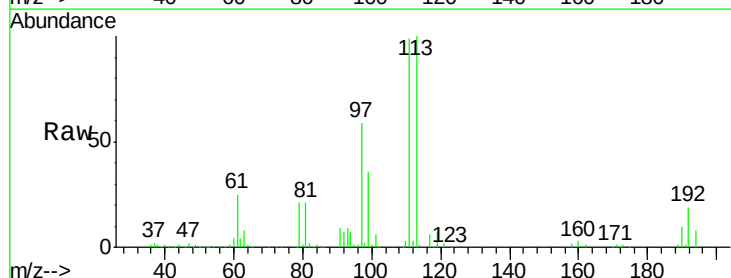
Manual Integrations
APPROVED

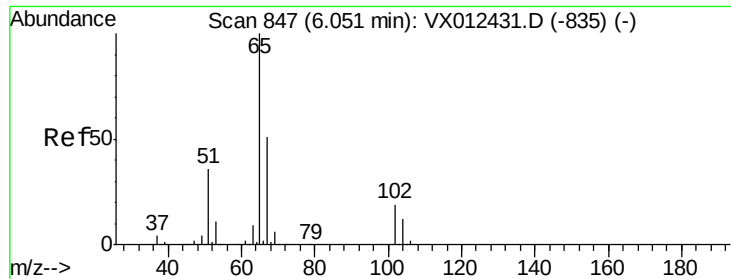
MMDadoda
9/19/2019 1:05:50 PM



#32
1,1,1-Trichloroethane
Concen: 19.667 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.00 min
Lab File: VX012486.D
Acq: 18 Sep 2019 20:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		64240		
99	64.6	51.3	76.9		
61	44.2	36.1	54.1		





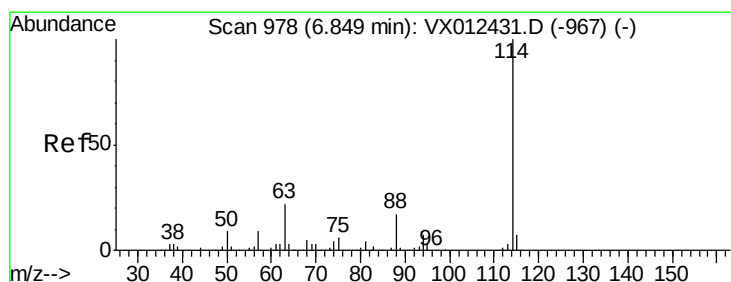
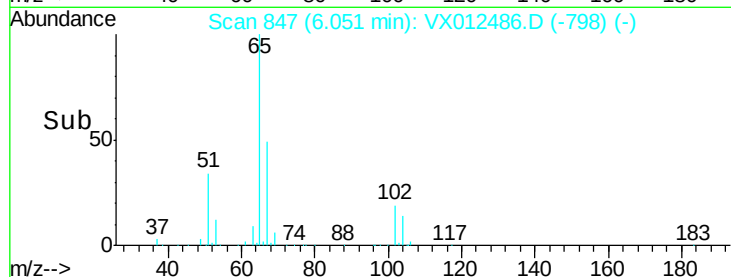
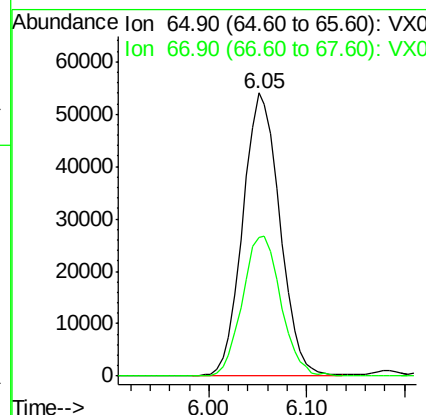
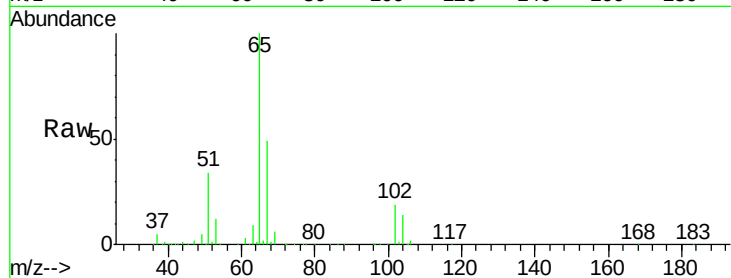
#33
 1,2-Dichloroethane-d4
 Concen: 47.825 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012486.D
 Acq: 18 Sep 2019 20:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	101.2

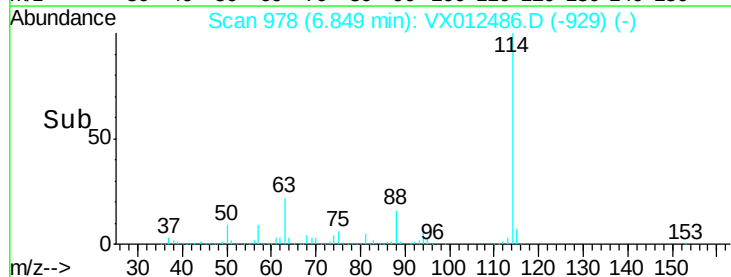
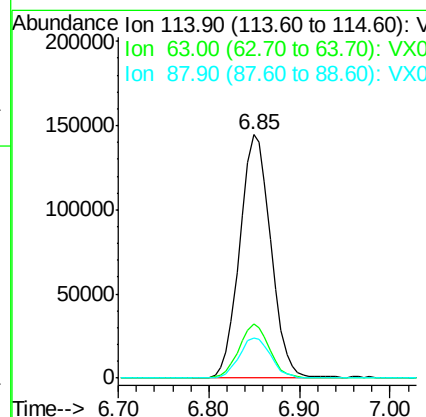
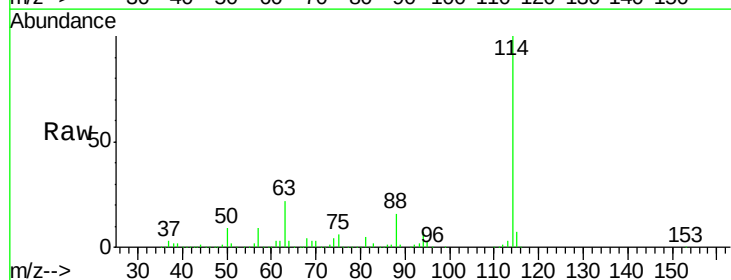
Manual Integrations
 APPROVED

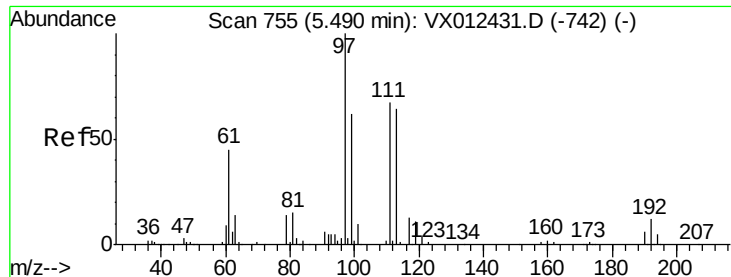
MMDadoda
 9/19/2019 1:05:50 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012486.D
 Acq: 18 Sep 2019 20:04

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	43.2
88	16.4	0.0	33.2





#35

Dibromofluoromethane

Concen: 49.772 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX012486.D

Acq: 18 Sep 2019 20:04

Instrument :

MSVOA_X

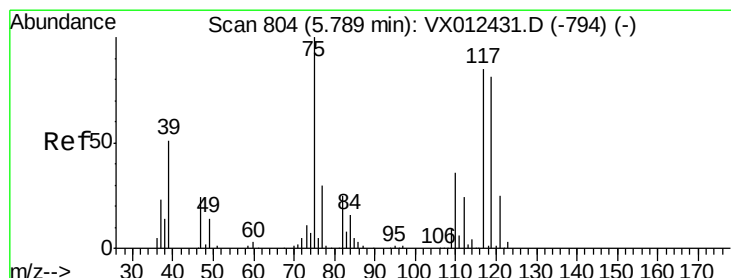
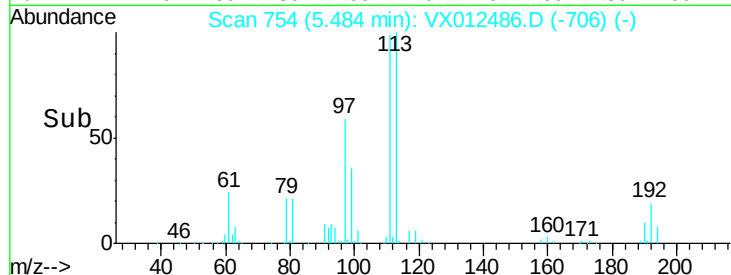
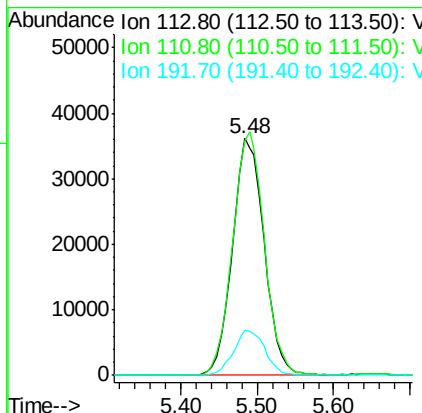
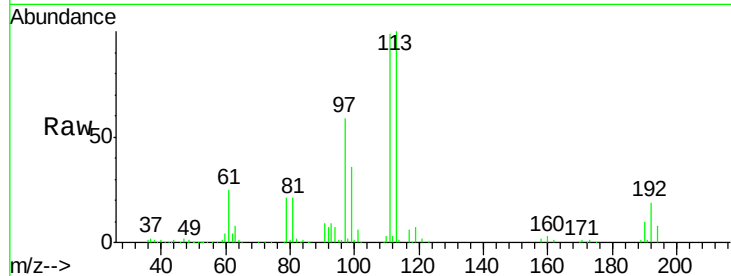
ClientSampleId :

VX0918WBSD01

Tot Ion:	113	Resp:	103965
Ion Ratio	Lower	Upper	
113	100		
111	102.4	83.4	125.2
192	18.8	14.4	21.6

Manual Integrations
APPROVED

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9/19/2019 1:05:50 PM



#36

1,1-Dichloropropene

Concen: 19.566 ug/l

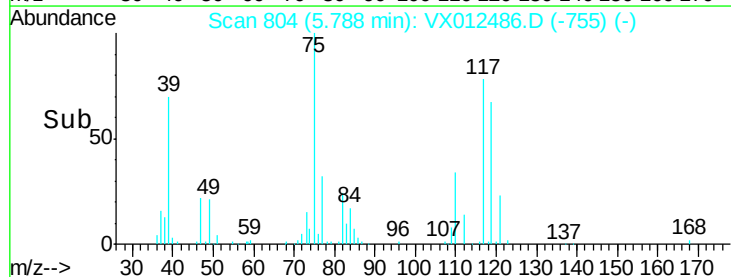
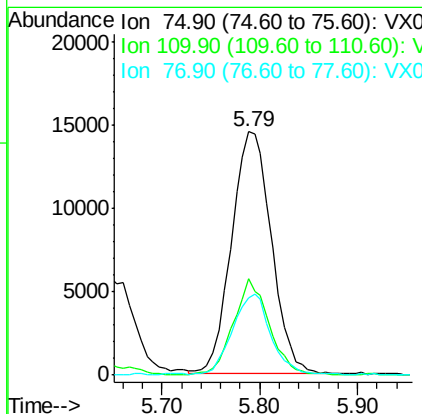
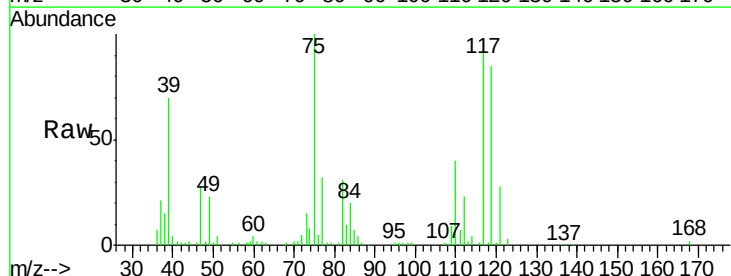
RT: 5.79 min Scan# 804

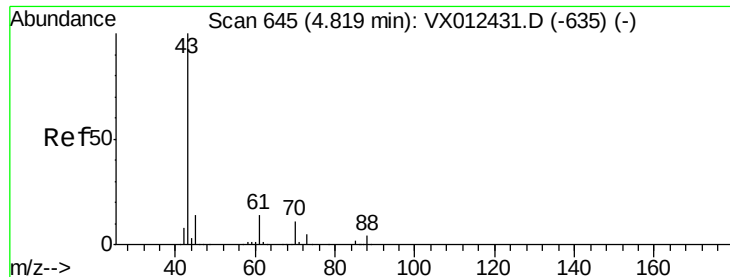
Delta R.T. -0.00 min

Lab File: VX012486.D

Acq: 18 Sep 2019 20:04

Tgt Ion:	75	Resp:	41039
Ion Ratio	Lower	Upper	
75	100		
110	35.7	16.7	50.0
77	32.5	24.2	36.2





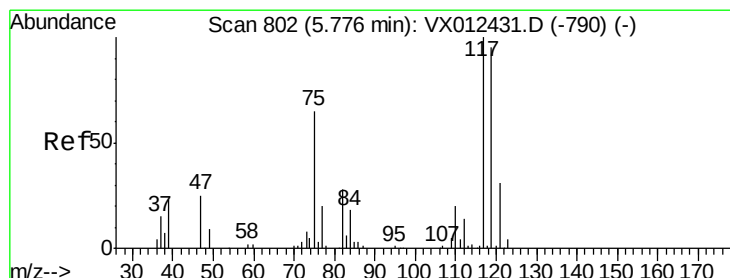
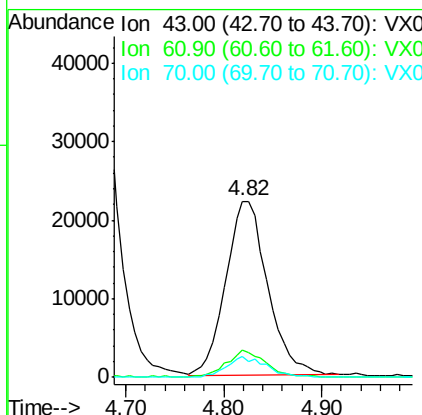
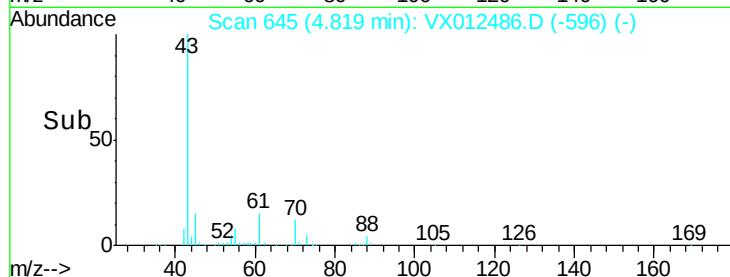
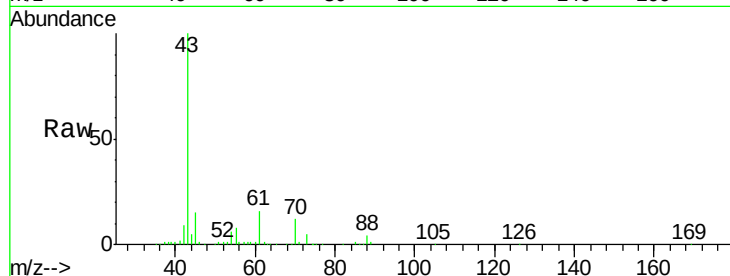
#37
Ethyl Acetate
Concen: 20.402 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX012486.D
Acq: 18 Sep 2019 20:04

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	10.2	15.4
70	11.5	8.7	13.1

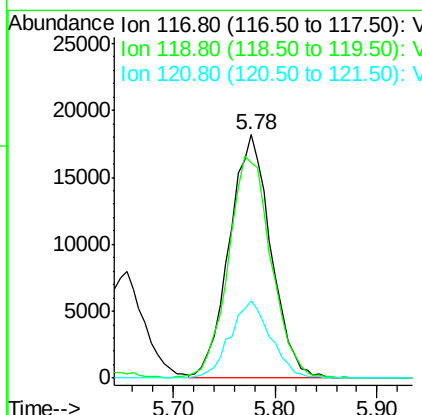
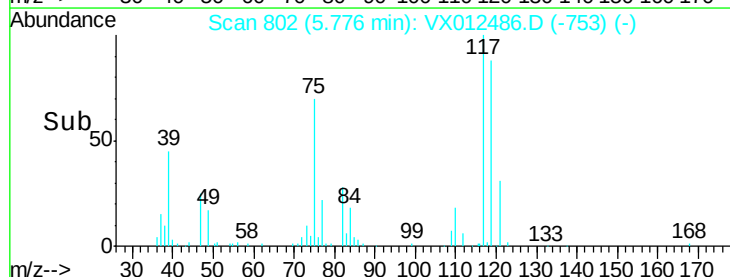
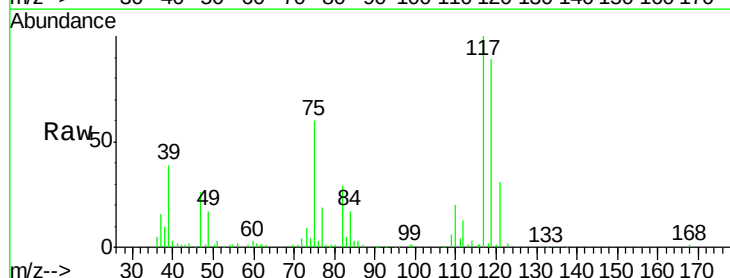
Manual Integrations
APPROVED

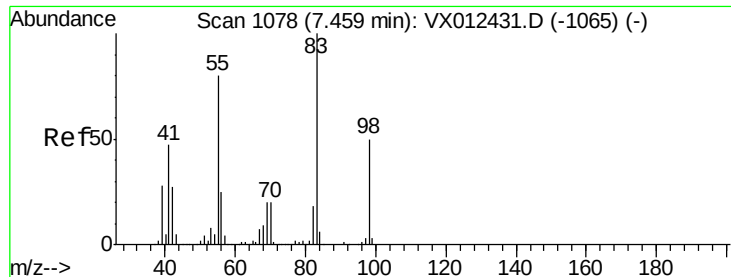
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#38
Carbon Tetrachloride
Concen: 19.754 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX012486.D
Acq: 18 Sep 2019 20:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.5	75.7	113.5
121	31.5	24.2	36.4





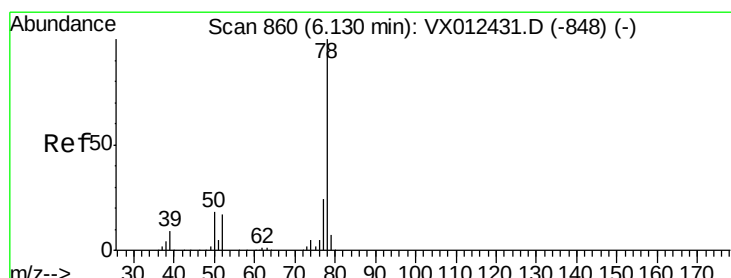
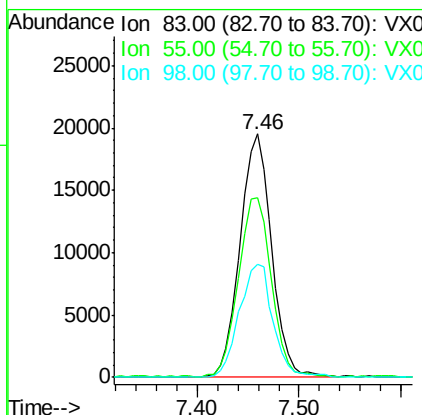
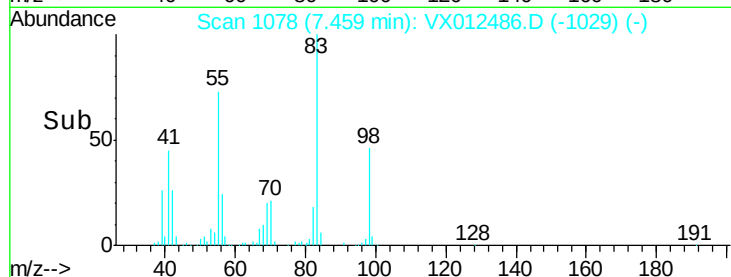
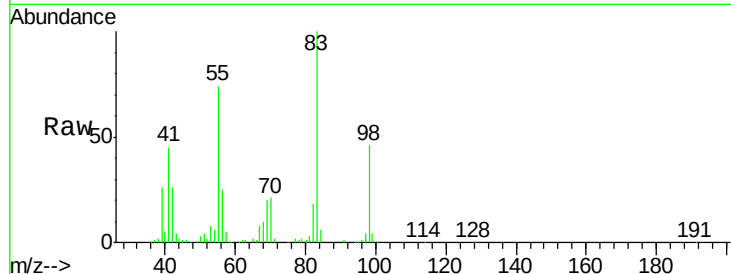
#39
Methylvlcyclohexane
Concen: 20.631 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VX012486.D
Acq: 18 Sep 2019 20:04

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tot Ion	83	Resp	42066
Ion	Ratio	Lower	Upper
83	100		
55	73.2	64.4	96.6
98	46.4	40.1	60.1

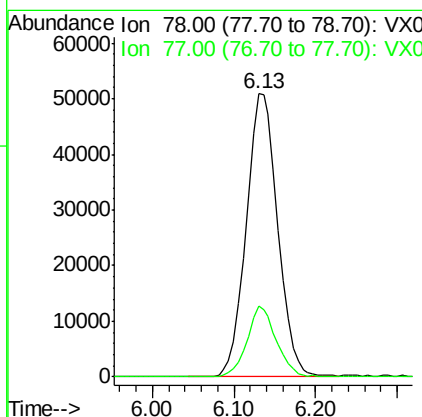
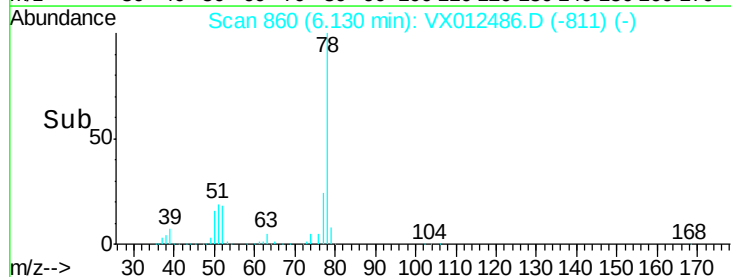
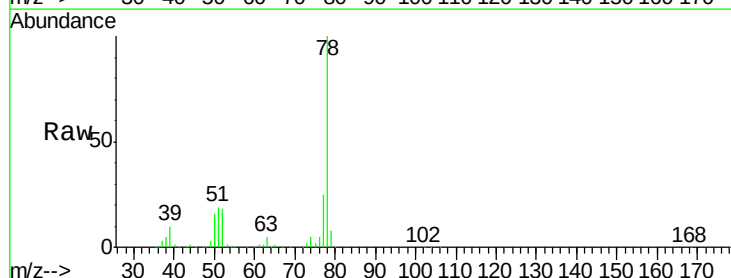
Manual Integrations
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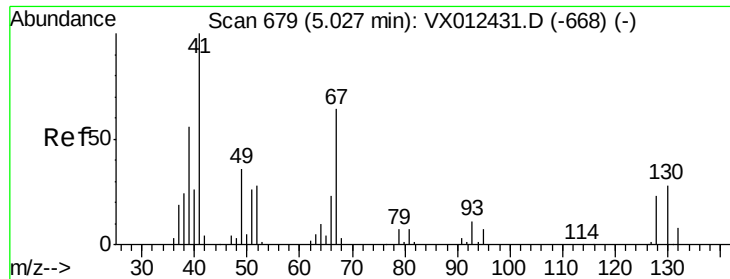
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#40
Benzene
Concen: 20.542 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012486.D
Acq: 18 Sep 2019 20:04

Tgt Ion	78	Resp	137008
Ion	Ratio	Lower	Upper
78	100		
77	25.2	19.2	28.8





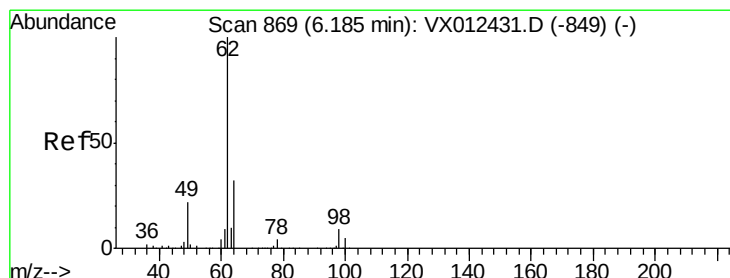
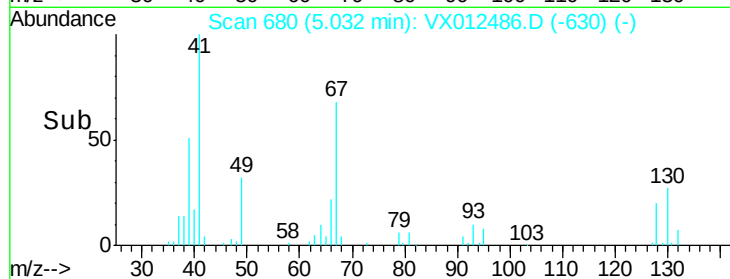
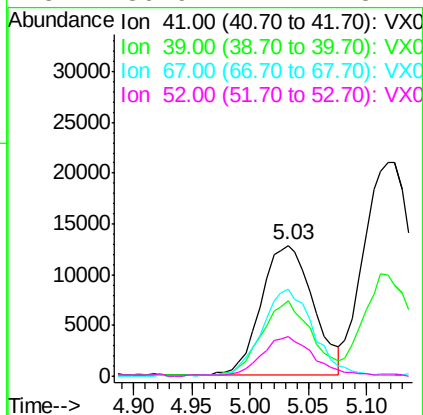
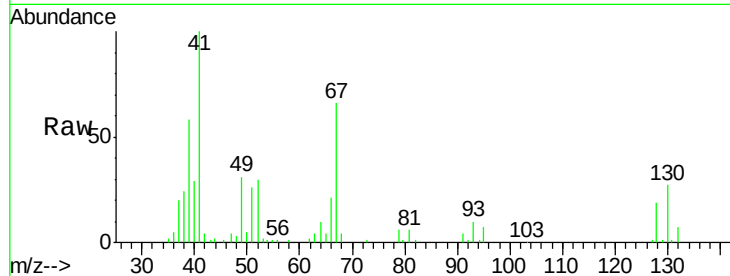
#41
Methacrylonitrile
Concen: 19.122 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX012486.D
Acq: 18 Sep 2019 20:04

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tot Ion:	41	Resp:	39642
Ion Ratio	Lower	Upper	
41	100		
39	55.2	46.0	69.0
67	66.7	52.2	78.2
52	30.9	22.7	34.1

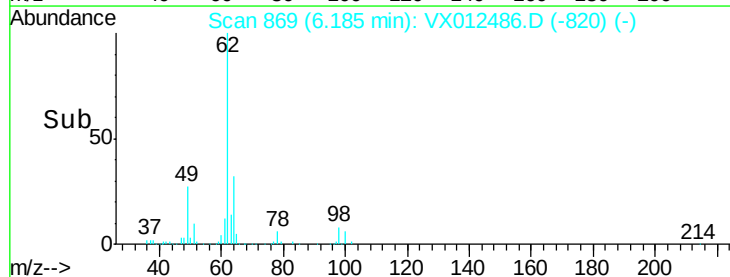
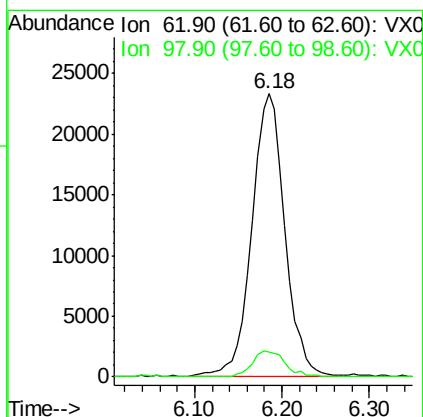
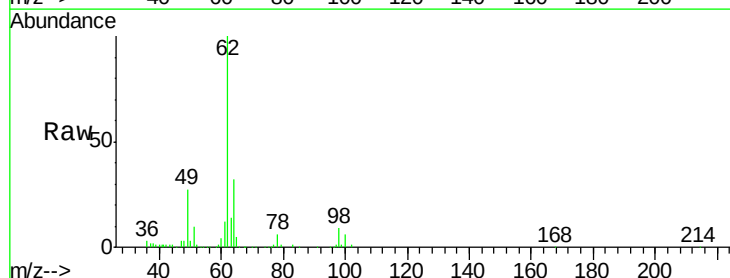
Manual Integrations
APPROVED

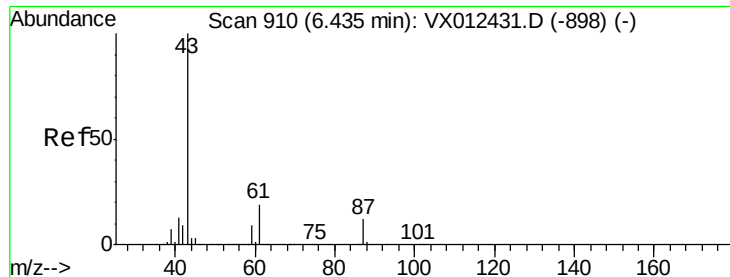
MMDadoda
9/19/2019 1:05:50 PM



#42
1,2-Dichloroethane
Concen: 19.697 ug/l
RT: 6.18 min Scan# 869
Delta R.T. -0.00 min
Lab File: VX012486.D
Acq: 18 Sep 2019 20:04

Tgt Ion:	62	Resp:	60934
Ion Ratio	Lower	Upper	
62	100		
98	9.2	0.0	17.8





#43

Isopropyl Acetate

Concen: 19.397 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX012486.D

Acq: 18 Sep 2019 20:04

Instrument :

MSVOA_X

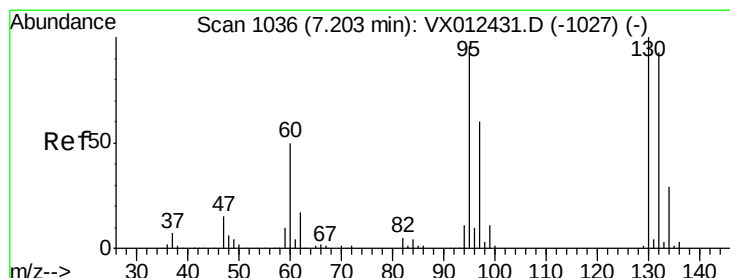
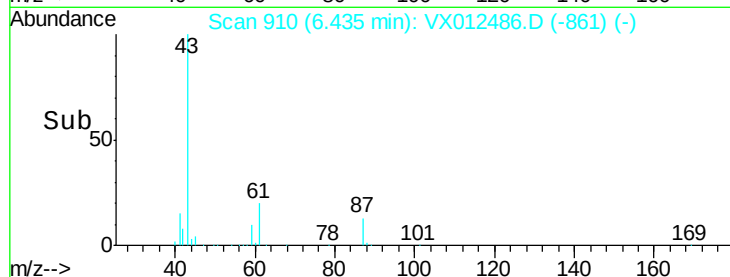
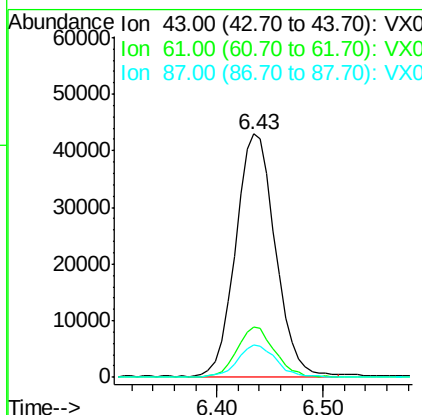
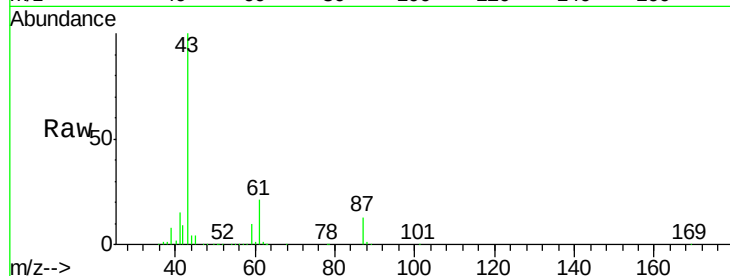
ClientSampleId :

VX0918WBSD01

Tot Ion:	43	Resp:	112086
Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.4	23.0
87	13.0	9.8	14.8

Manual Integrations
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#44

Trichloroethene

Concen: 21.266 ug/l

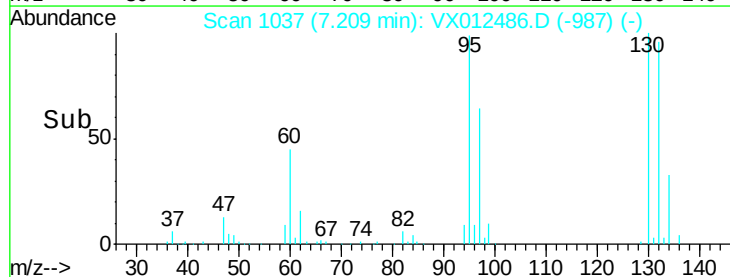
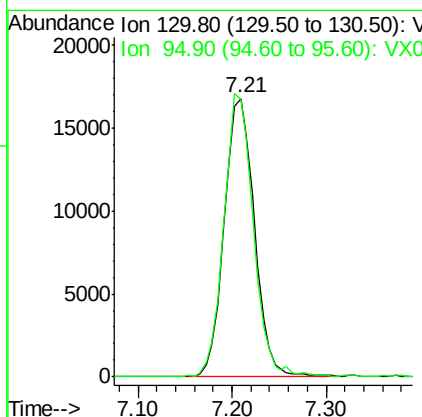
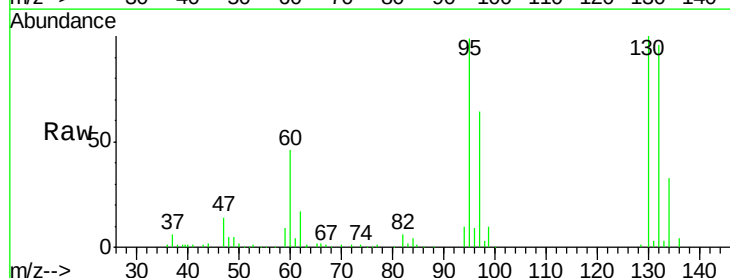
RT: 7.21 min Scan# 1037

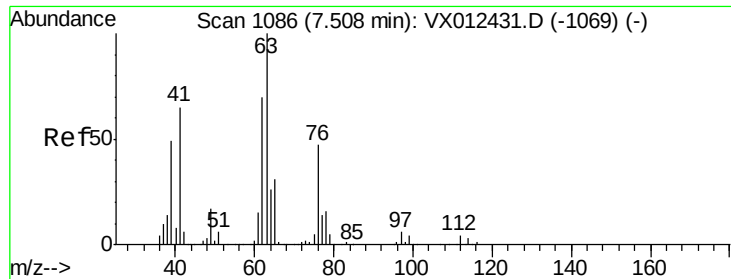
Delta R.T. 0.01 min

Lab File: VX012486.D

Acq: 18 Sep 2019 20:04

Tgt Ion:	130	Resp:	37312
Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	193.0





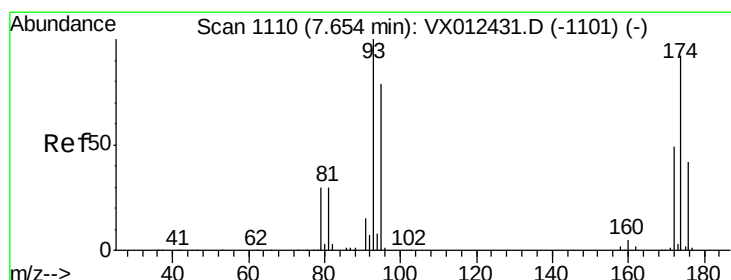
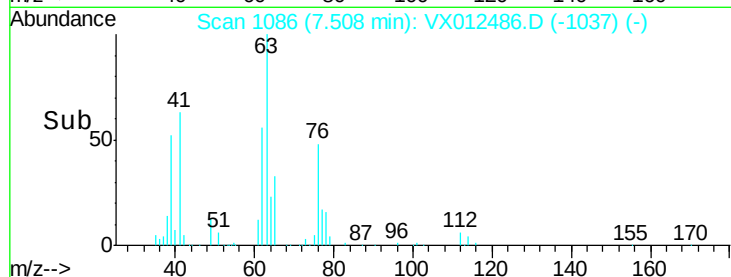
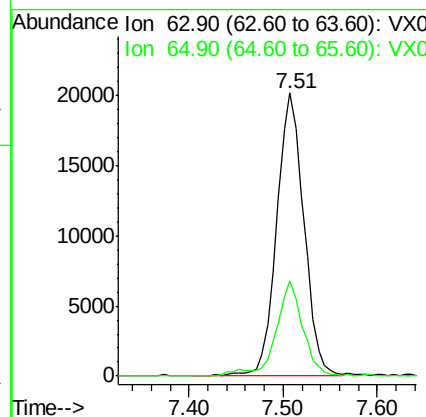
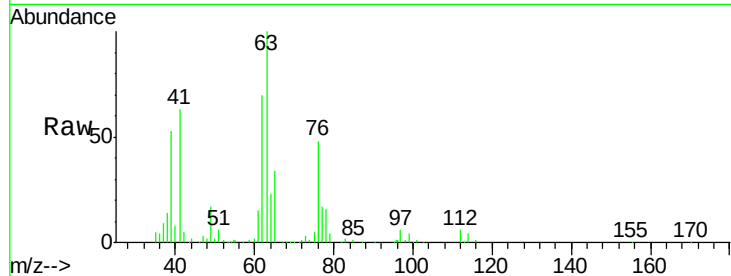
#45
 1,2-Dichloropropane
 Concen: 19.879 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX012486.D
 Acq: 18 Sep 2019 20:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Tot Ion: 63 Resp: 40734
 Ion Ratio Lower Upper
 63 100
 65 33.8 25.0 37.6

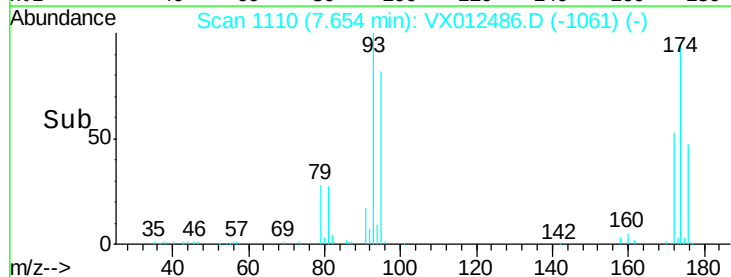
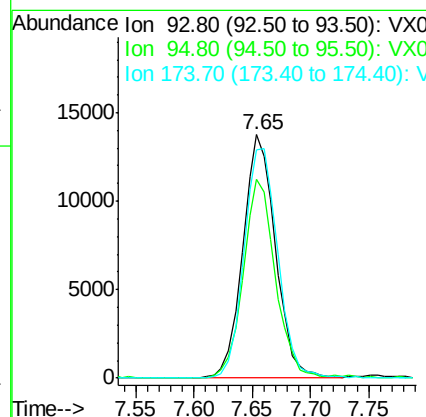
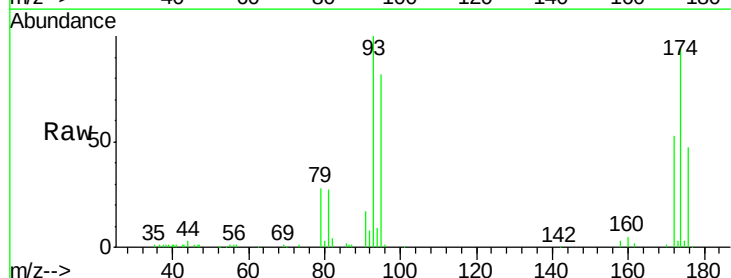
Manual Integrations
 APPROVED

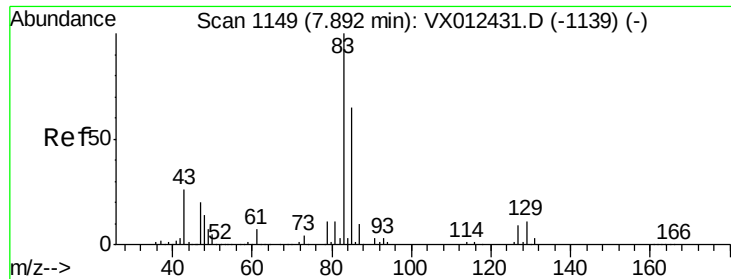
MMDadoda
 9/19/2019 1:05:50 PM



#46
 Dibromomethane
 Concen: 20.279 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX012486.D
 Acq: 18 Sep 2019 20:04

Tgt Ion: 93 Resp: 26891
 Ion Ratio Lower Upper
 93 100
 95 80.2 66.6 100.0
 174 97.7 77.4 116.0





#47

Bromodichloromethane

Concen: 19.392 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX012486.D

Acq: 18 Sep 2019 20:04

Instrument :

MSVOA_X

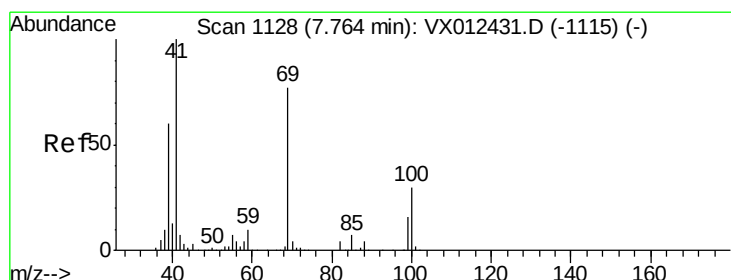
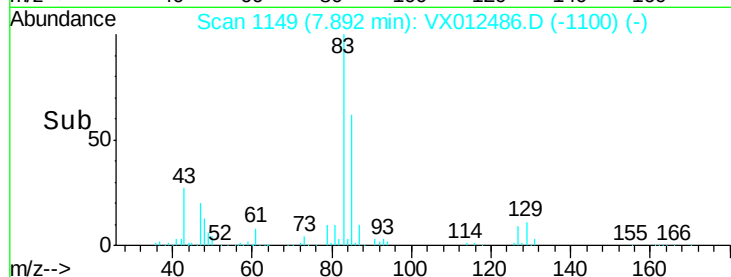
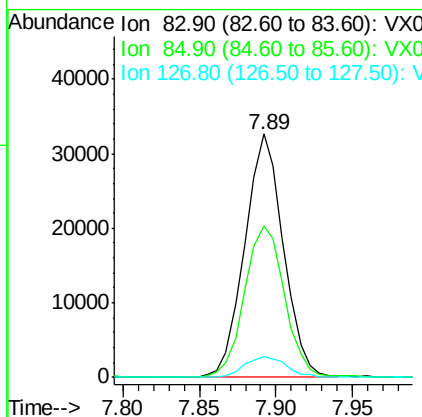
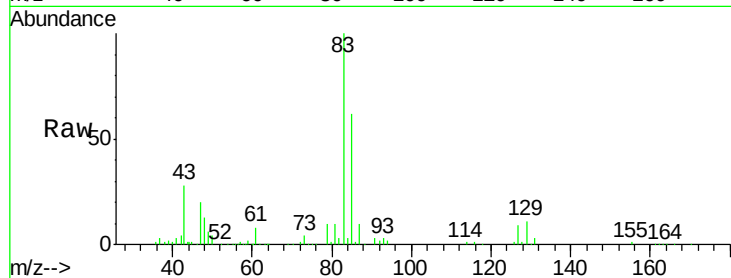
ClientSampleId :

VX0918WBSD01

Tot Ion:	83	Resp:	57257
Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.8	77.6
127	8.7	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.231 ug/l

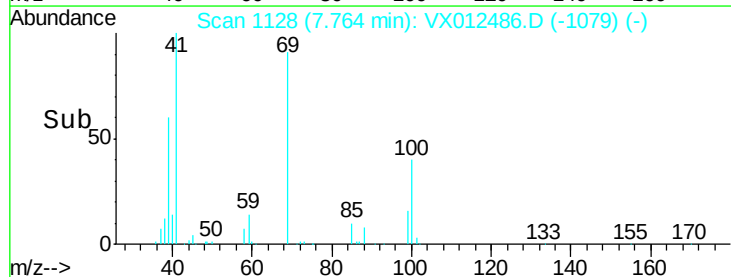
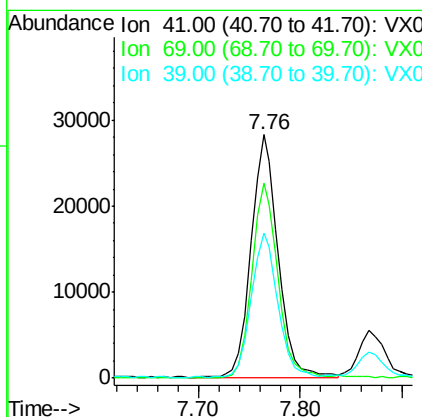
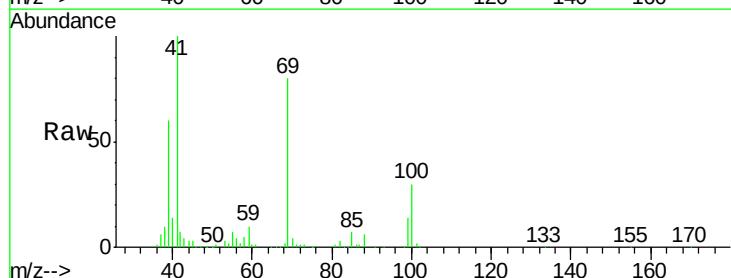
RT: 7.76 min Scan# 1128

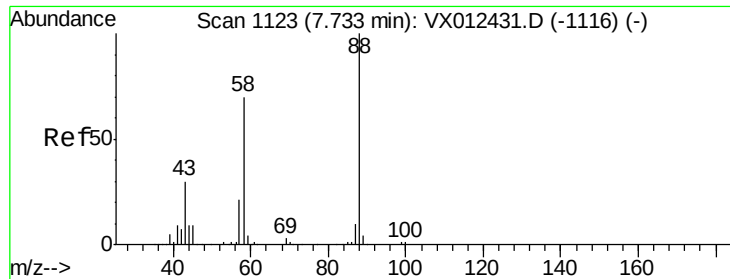
Delta R.T. -0.00 min

Lab File: VX012486.D

Acq: 18 Sep 2019 20:04

Tgt Ion:	41	Resp:	52384
Ion	Ratio	Lower	Upper
41	100		
69	78.7	59.9	89.9
39	58.6	47.8	71.6





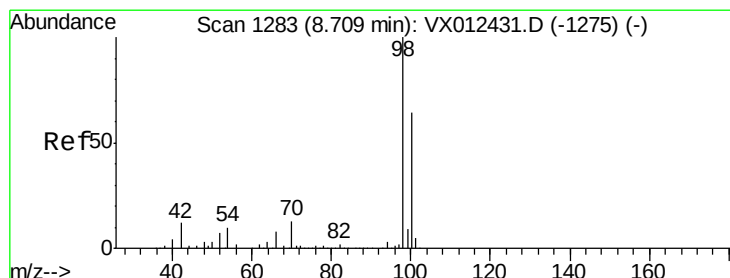
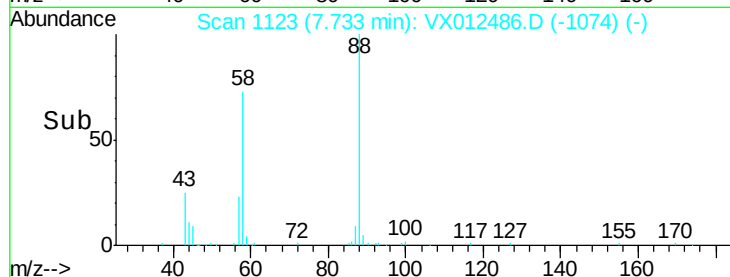
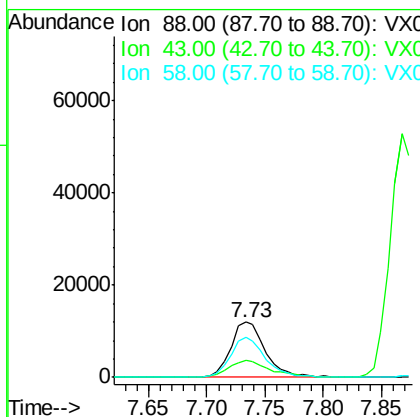
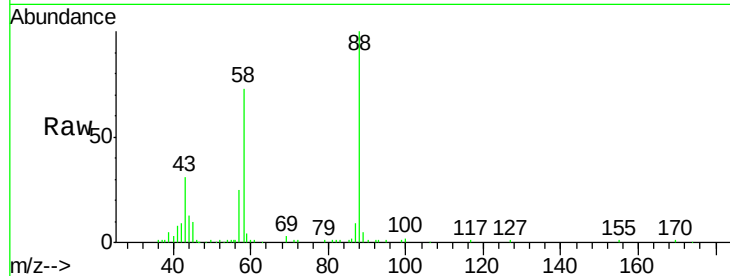
#49
 1,4-Dioxane
 Concen: 373.402 ug/l
 RT: 7.73 min Scan# 1123
 Delta R.T. -0.00 min
 Lab File: VX012486.D
 Acq: 18 Sep 2019 20:04

Instrument :
 MSVOA_X
 ClientSampled :
 VX0918WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	24755		
43	36.1		29.4	44.0
58	73.3		57.5	86.3

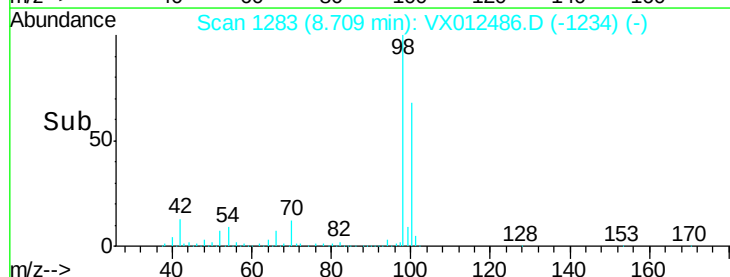
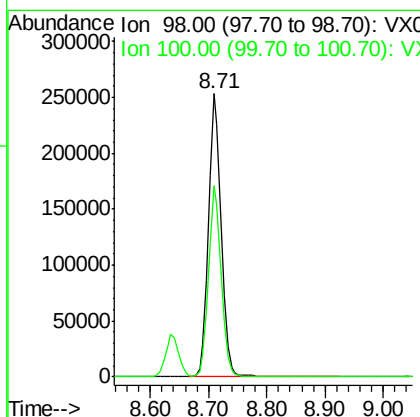
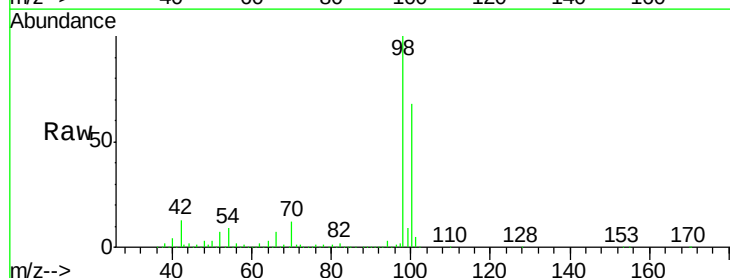
Manual Integrations
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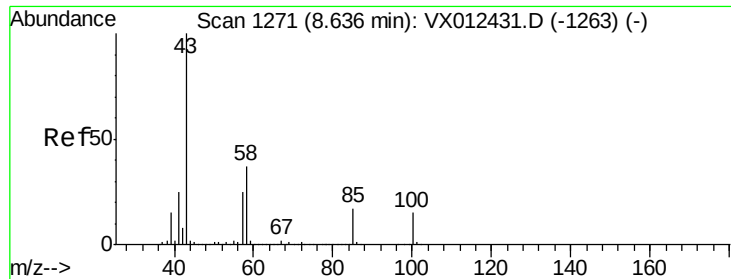
MMDadoda
 9/19/2019 1:05:50 PM



#50
 Toluene-d8
 Concen: 50.119 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VX012486.D
 Acq: 18 Sep 2019 20:04

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	387501		
100	67.4		53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 98.666 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012486.D

Acq: 18 Sep 2019 20:04

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tot Ion: 43 Resp: 373895

Ion Ratio Lower Upper

43 100

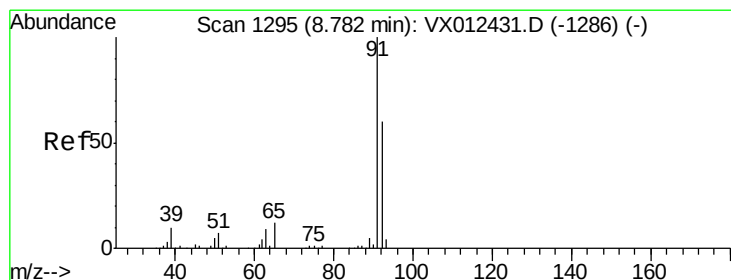
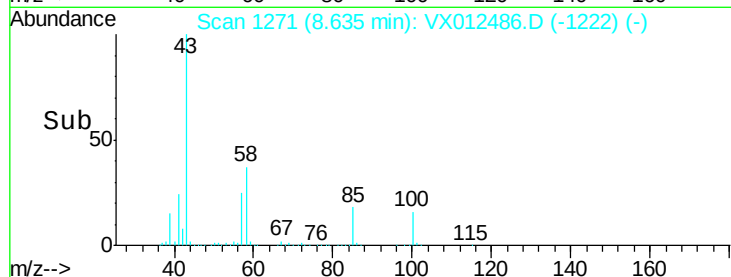
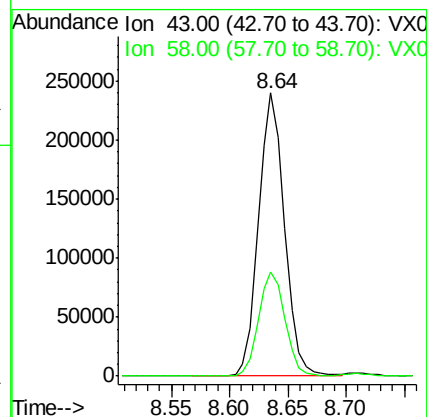
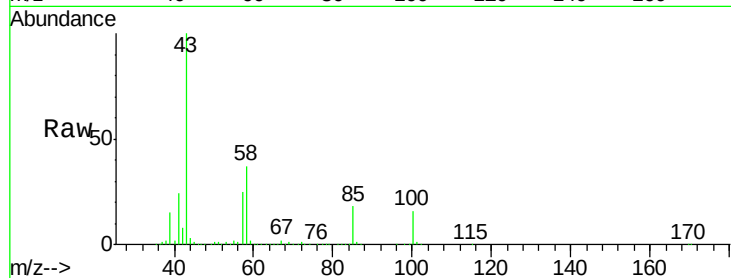
58 37.3 29.8 44.6

Manual Integrations

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9/19/2019 1:05:50 PM



#52

Toluene

Concen: 20.735 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX012486.D

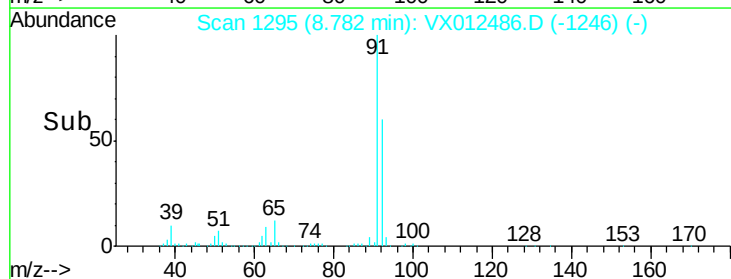
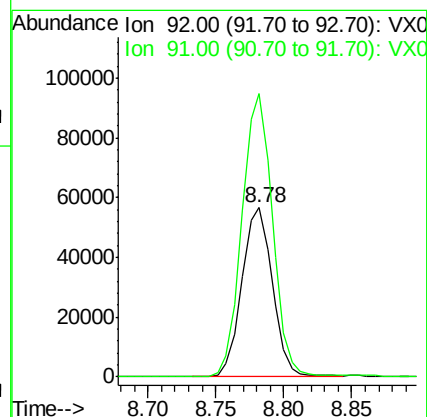
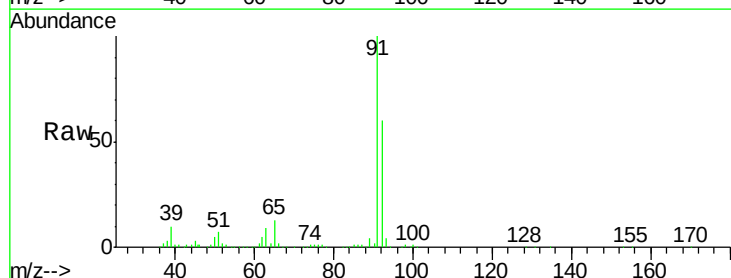
Acq: 18 Sep 2019 20:04

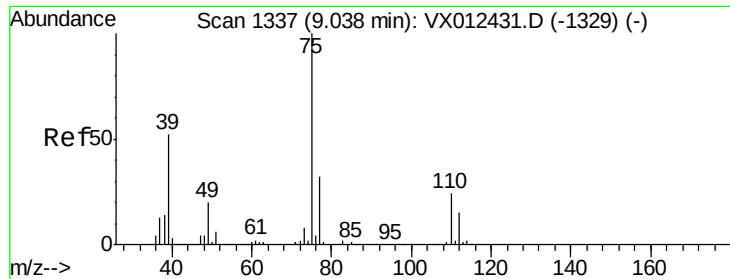
Tgt Ion: 92 Resp: 89115

Ion Ratio Lower Upper

92 100

91 168.5 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 18.839 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VX012486.D

Acq: 18 Sep 2019 20:04

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tot Ion: 75 Resp: 57820

Ion Ratio Lower Upper

75 100

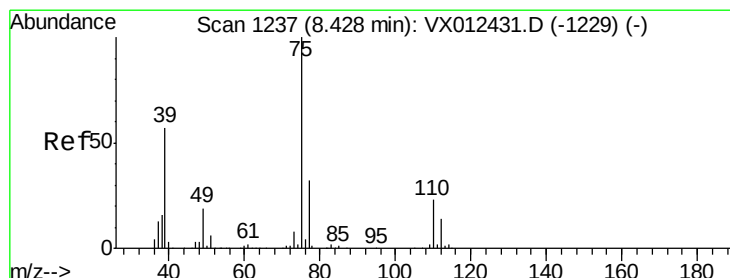
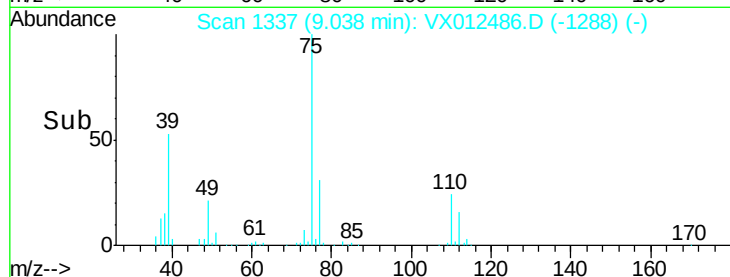
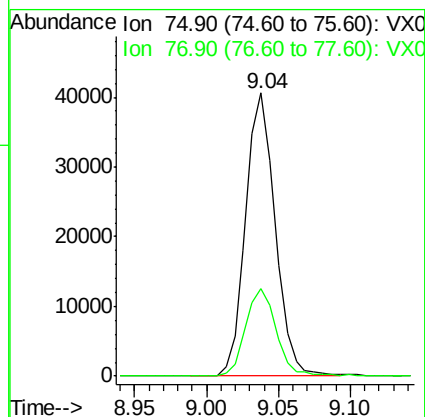
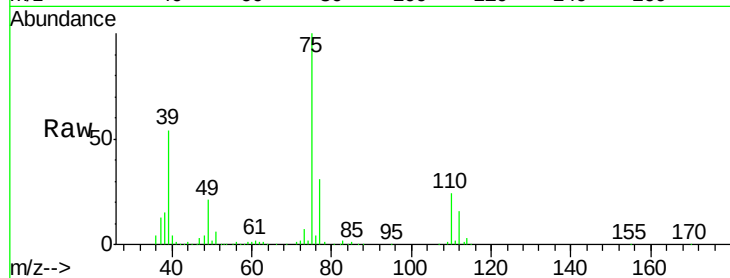
77 30.6 25.2 37.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.735 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VX012486.D

Acq: 18 Sep 2019 20:04

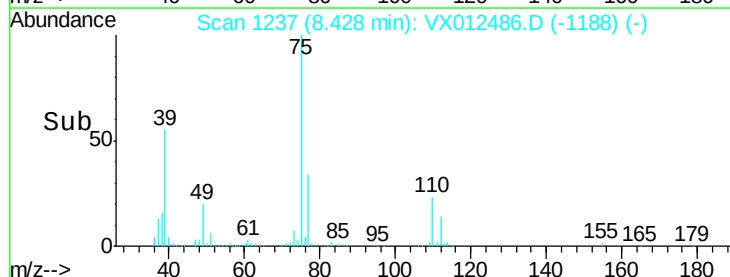
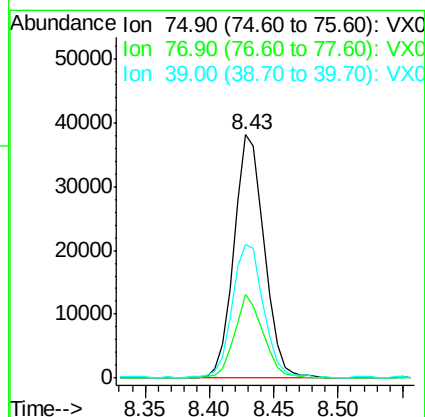
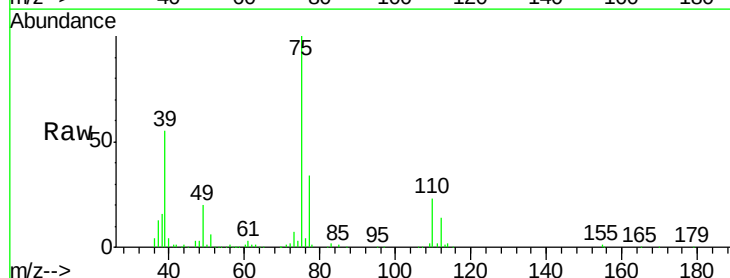
Tgt Ion: 75 Resp: 62707

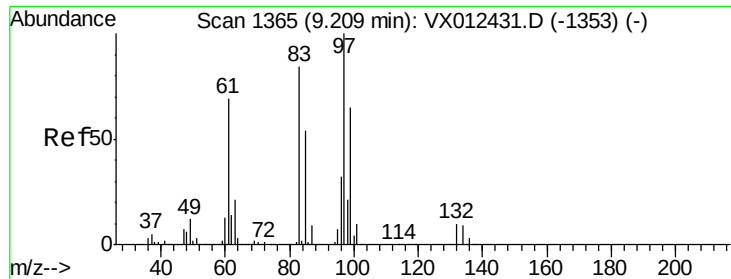
Ion Ratio Lower Upper

75 100

77 34.3 25.8 38.8

39 54.3 45.5 68.3





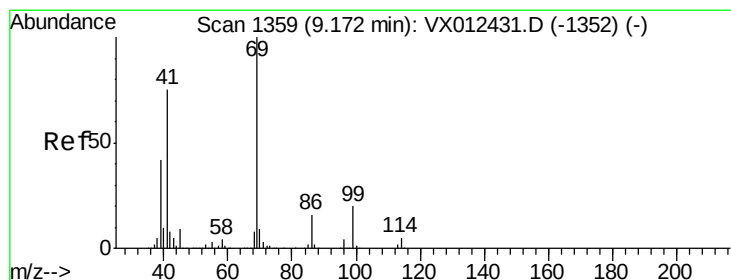
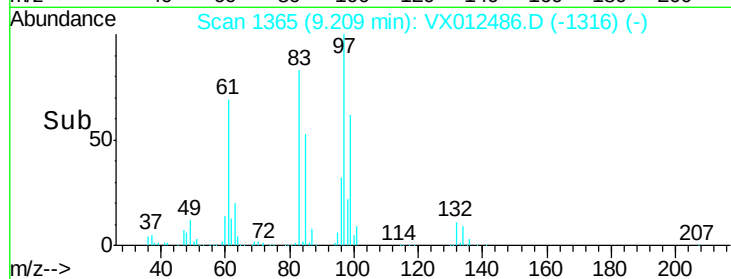
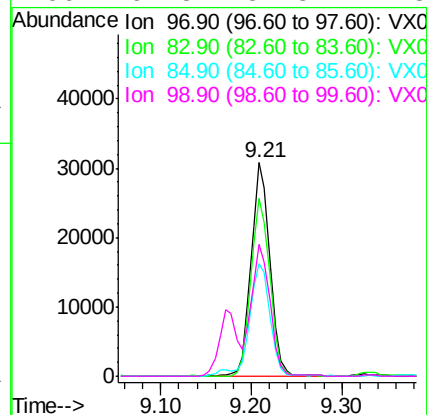
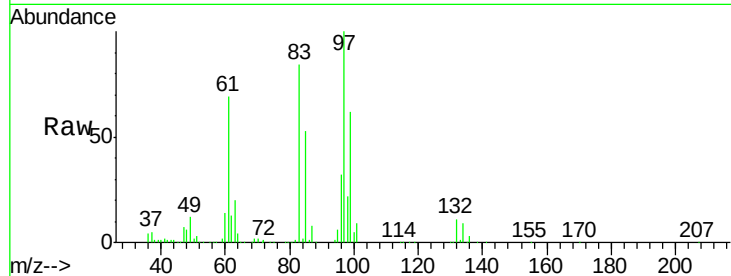
#55
 1,1,2-Trichloroethane
 Concen: 20.114 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012486.D
 Acq: 18 Sep 2019 20:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Tot Ion:	97	Resp:	44536
Ion	Ratio	Lower	Upper
97	100		
83	83.3	67.4	101.2
85	52.7	43.5	65.3
99	61.8	51.8	77.8

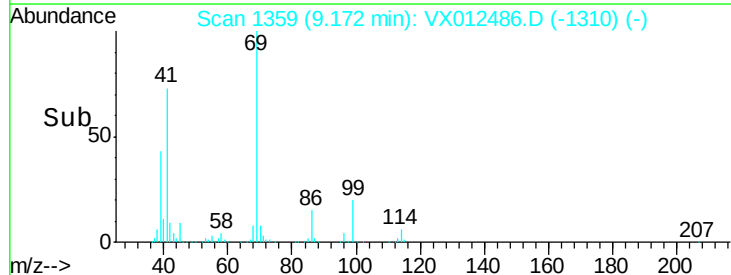
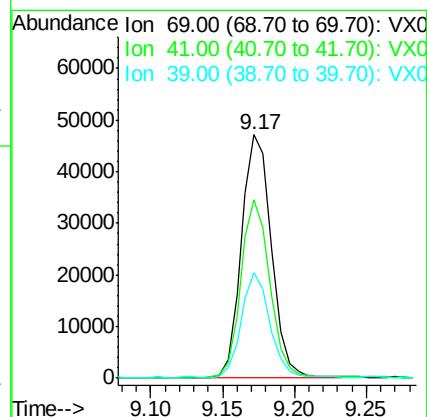
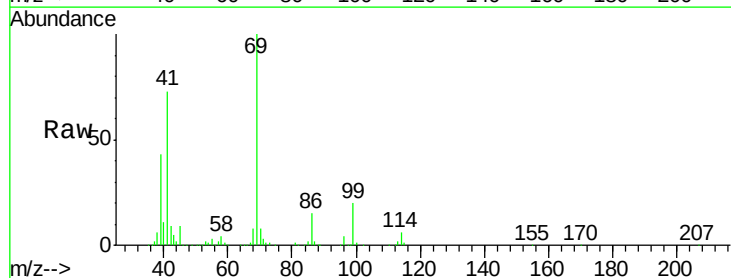
Manual Integrations
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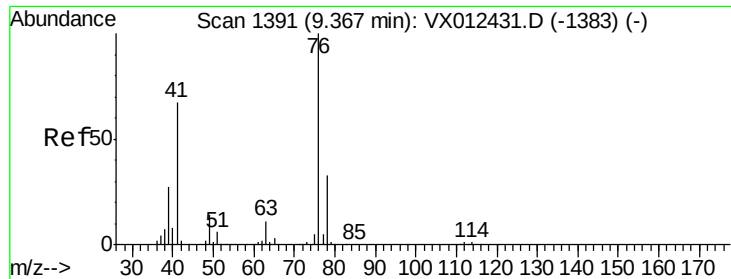
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#56
 Ethyl methacrylate
 Concen: 19.758 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012486.D
 Acq: 18 Sep 2019 20:04

Tgt Ion:	69	Resp:	68399
Ion	Ratio	Lower	Upper
69	100		
41	70.7	58.4	87.6
39	40.5	33.4	50.0





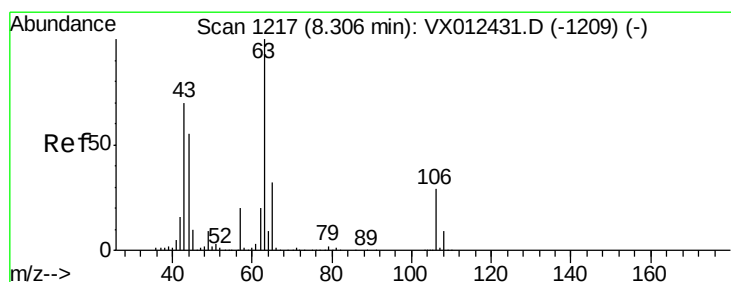
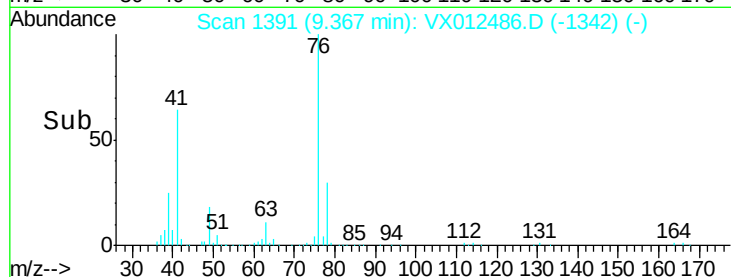
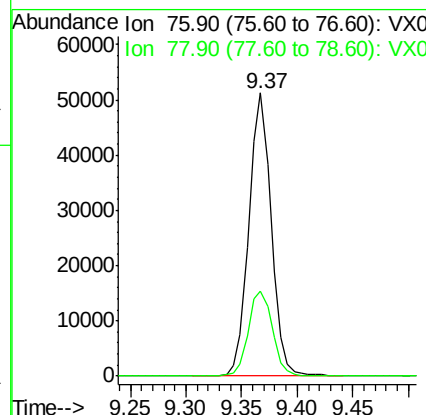
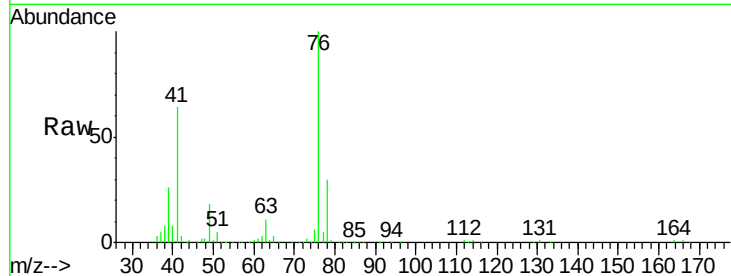
#57
 1,3-Dichloropropane
 Concen: 20.295 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX012486.D
 Acq: 18 Sep 2019 20:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Tot Ion: 76 Resp: 71699
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.2 39.2

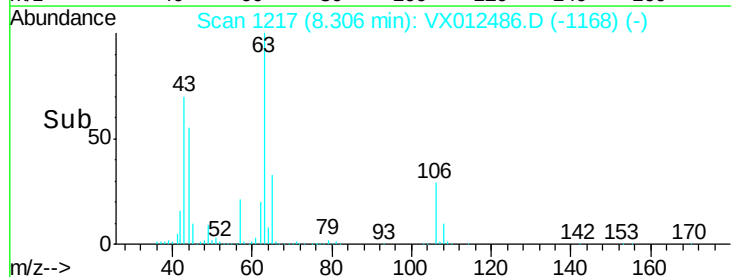
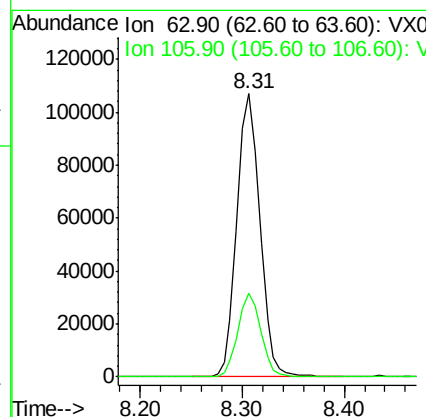
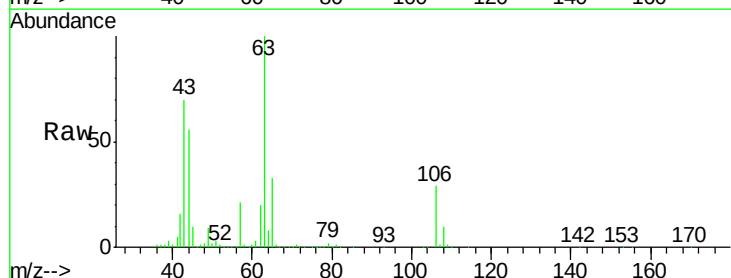
Manual Integrations
 APPROVED

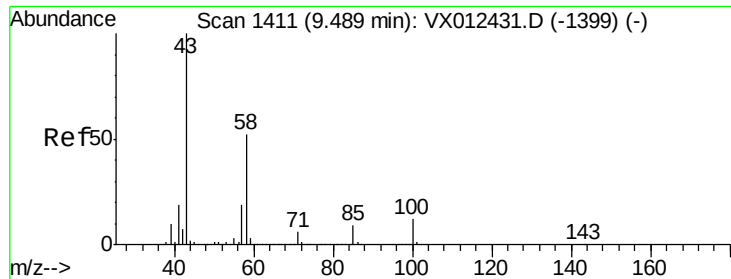
MMDadoda
 9/19/2019 1:05:50 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.024 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VX012486.D
 Acq: 18 Sep 2019 20:04

Tgt Ion: 63 Resp: 166700
 Ion Ratio Lower Upper
 63 100
 106 29.7 23.8 35.6





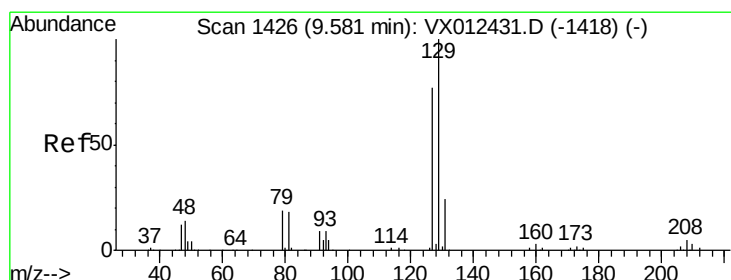
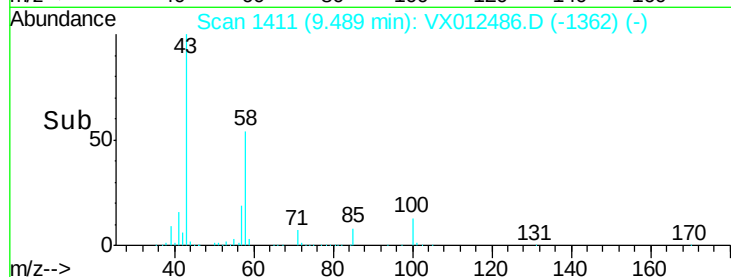
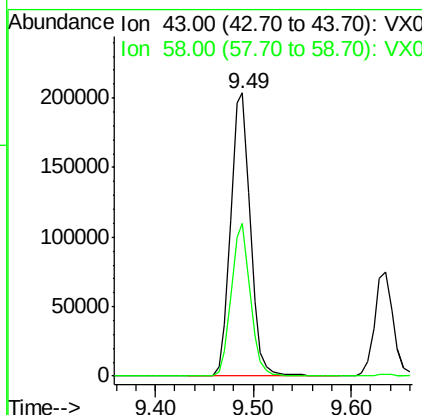
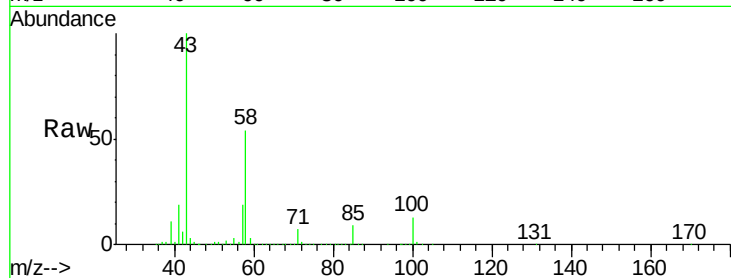
#59
2-Hexanone
Concen: 96.280 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. -0.00 min
Lab File: VX012486.D
Acq: 18 Sep 2019 20:04

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tot Ion: 43 Resp: 284647
Ion Ratio Lower Upper
43 100
58 52.4 25.7 77.1

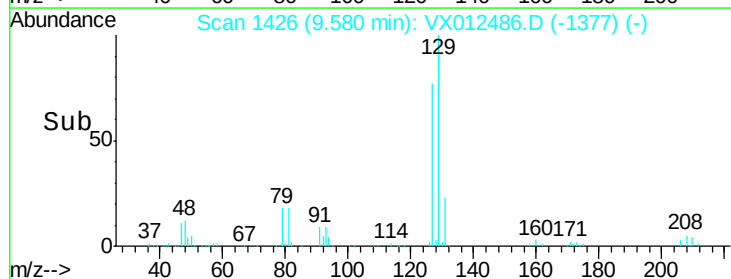
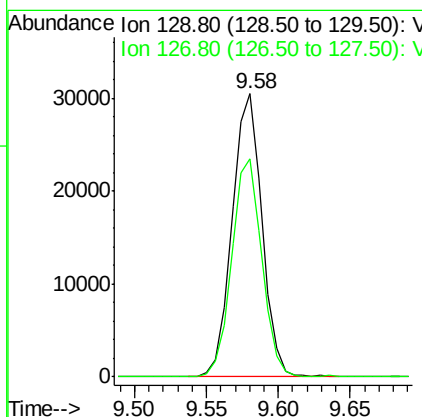
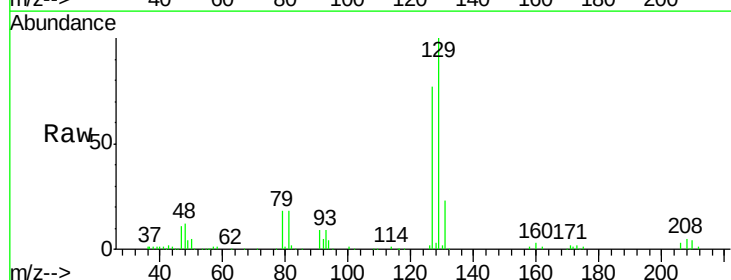
Manual Integrations
APPROVED

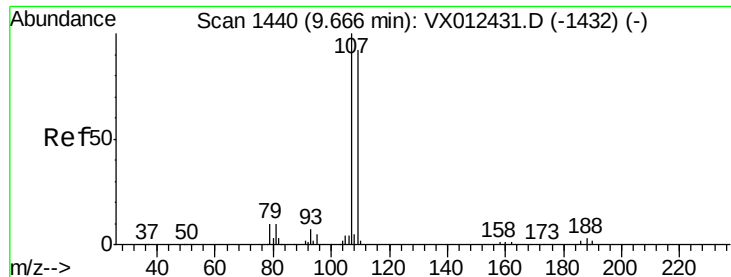
MMDadoda
9/19/2019 1:05:50 PM



#60
Dibromochloromethane
Concen: 19.618 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. -0.00 min
Lab File: VX012486.D
Acq: 18 Sep 2019 20:04

Tgt Ion: 129 Resp: 44246
Ion Ratio Lower Upper
129 100
127 77.5 38.9 116.6





#61

1,2-Dibromoethane

Concen: 20.602 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012486.D

Acq: 18 Sep 2019 20:04

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tot Ion: 107 Resp: 41663

Ion Ratio Lower Upper

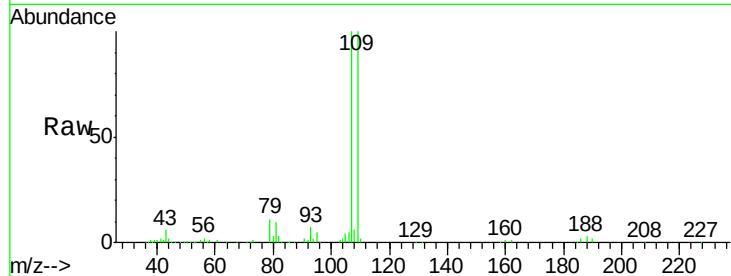
107 100

109 96.5 74.7 112.1

Manual Integrations
APPROVED

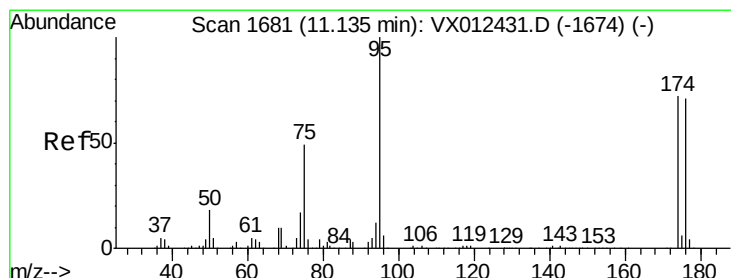
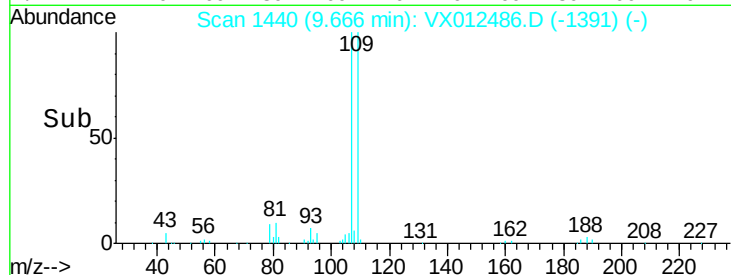
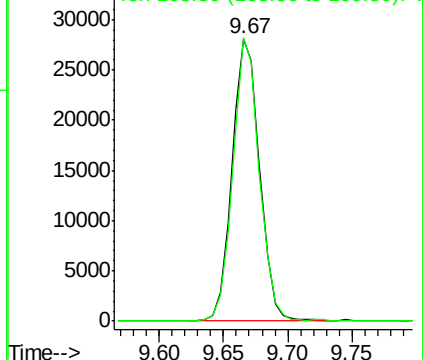
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.095 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012486.D

Acq: 18 Sep 2019 20:04

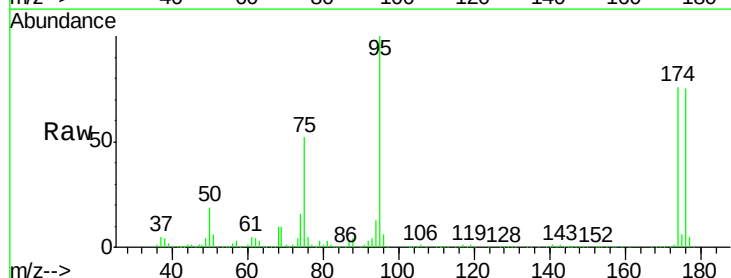
Tgt Ion: 95 Resp: 154399

Ion Ratio Lower Upper

95 100

174 72.1 0.0 140.0

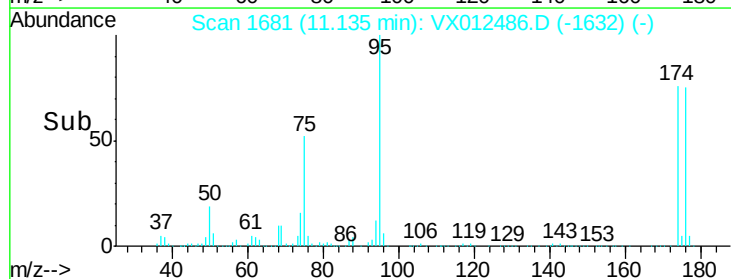
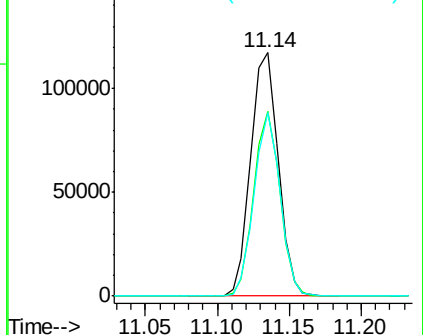
176 71.0 0.0 135.4

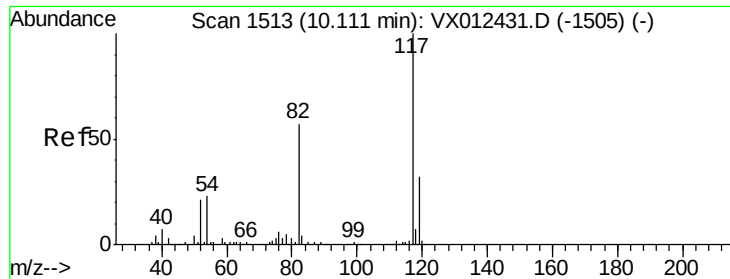


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





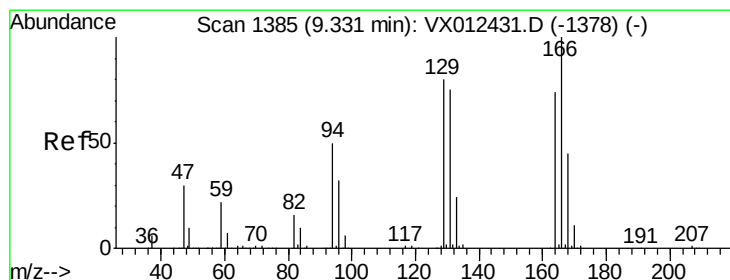
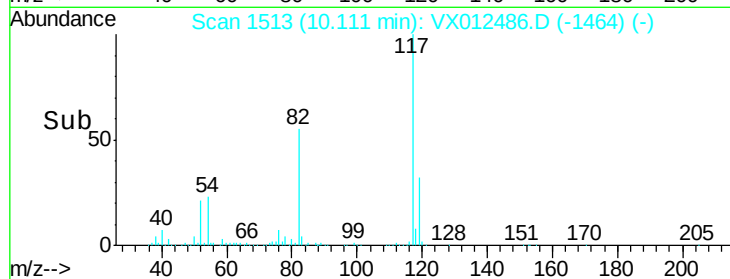
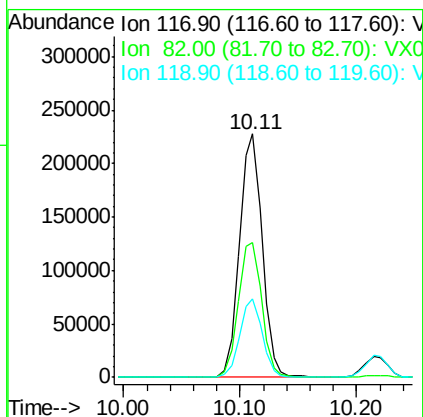
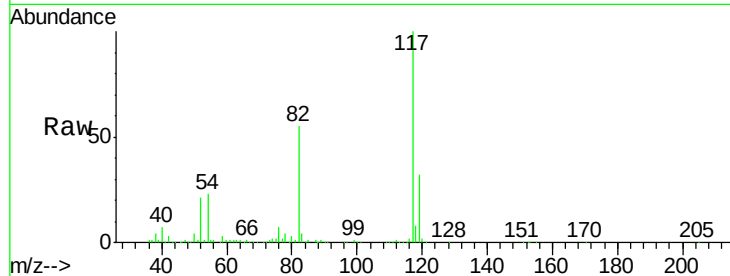
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012486.D
Acq: 18 Sep 2019 20:04

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	311217		
82	55.4	45.9	68.9	
119	32.4	25.3	37.9	

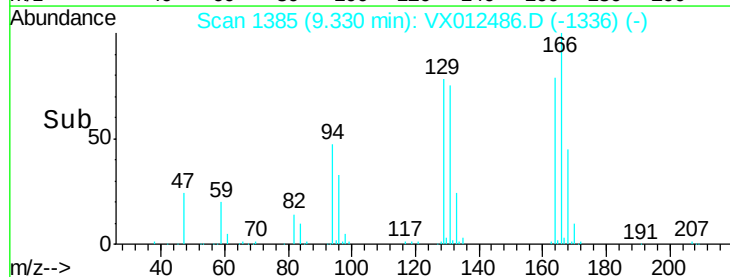
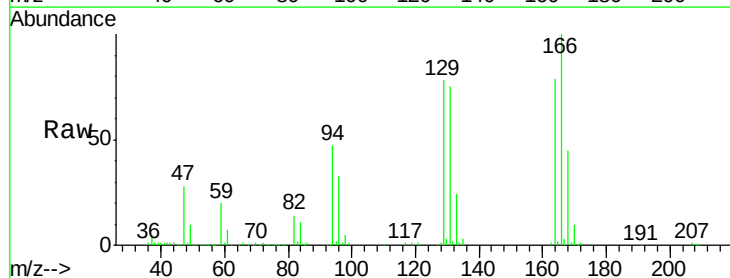
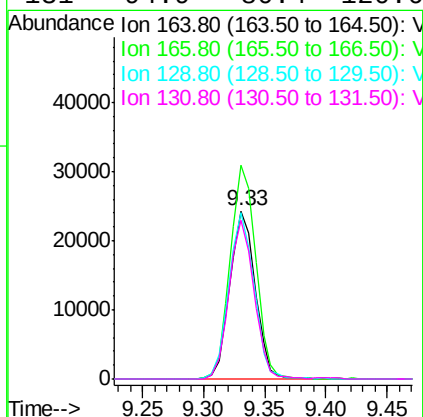
Manual Integrations
APPROVED

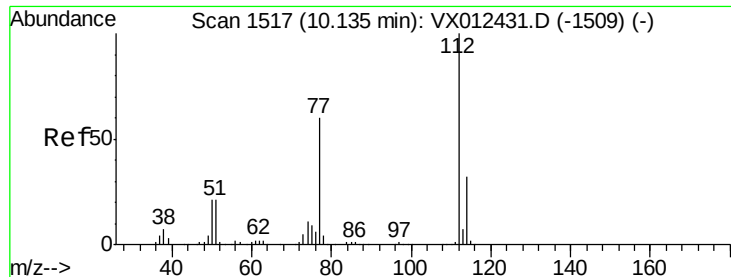
MMDadoda
9/19/2019 1:05:50 PM



#64
Tetrachloroethene
Concen: 24.490 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012486.D
Acq: 18 Sep 2019 20:04

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	34925		
166	127.2	107.8	161.6	
129	98.9	86.2	129.2	
131	94.9	80.4	120.6	





#65

Chlorobenzene

Concen: 20.469 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX012486.D

Acq: 18 Sep 2019 20:04

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tot Ion:112 Resp: 105141

Ion Ratio Lower Upper

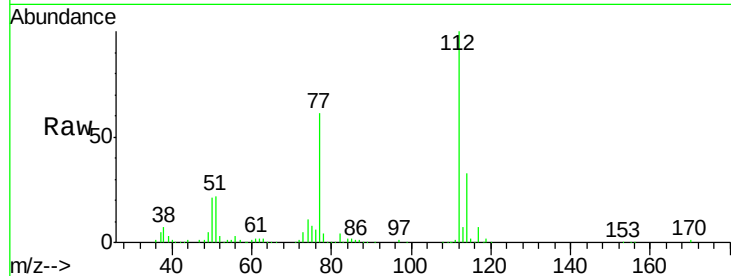
112 100

114 33.4 25.4 38.0

Manual Integrations
APPROVED

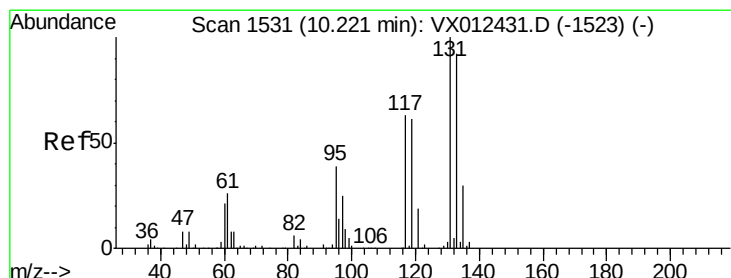
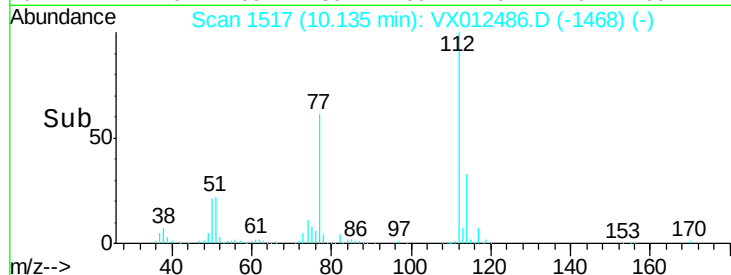
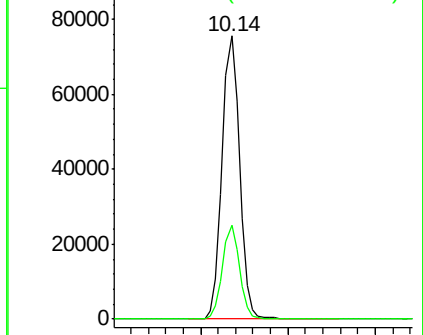
MMDadoda

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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: 20.087 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VX012486.D

Acq: 18 Sep 2019 20:04

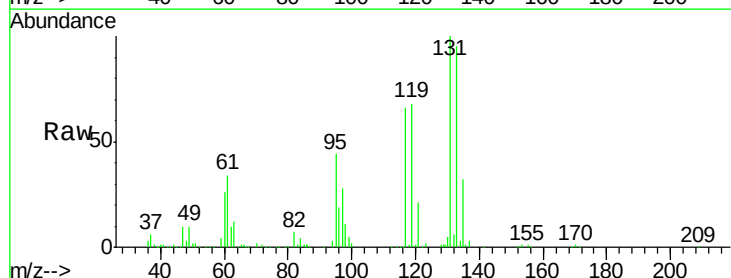
Tgt Ion:131 Resp: 42823

Ion Ratio Lower Upper

131 100

133 95.5 47.6 142.9

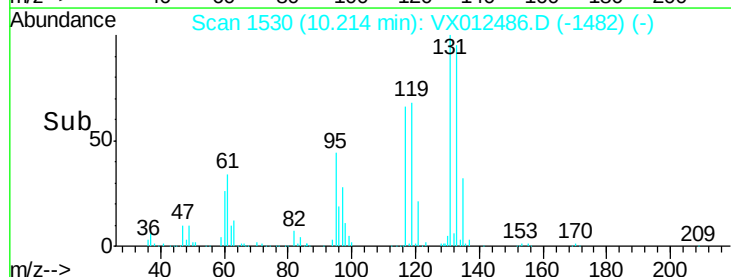
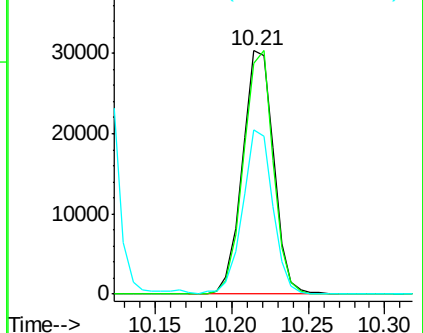
119 65.2 31.3 93.8

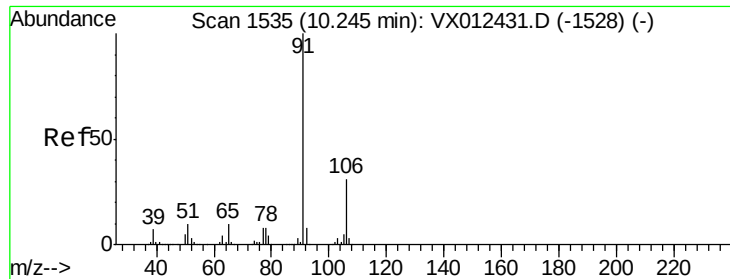


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.654 ug/l

RT: 10.24 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX012486.D

Acq: 18 Sep 2019 20:04

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tot Ion: 91 Resp: 182270

Ion Ratio Lower Upper

91 100

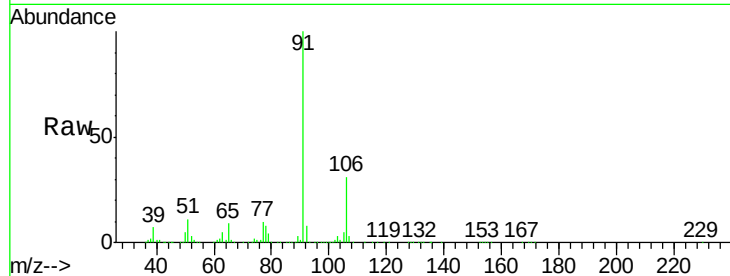
106 31.1 24.6 37.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

250000

200000

150000

100000

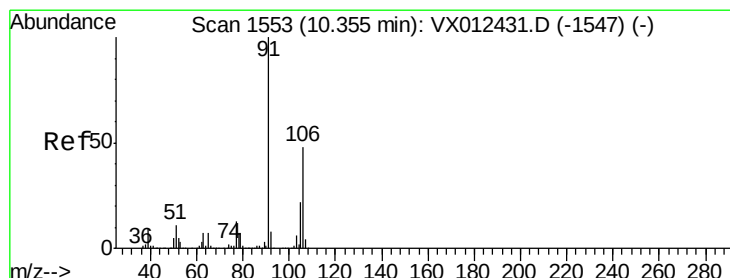
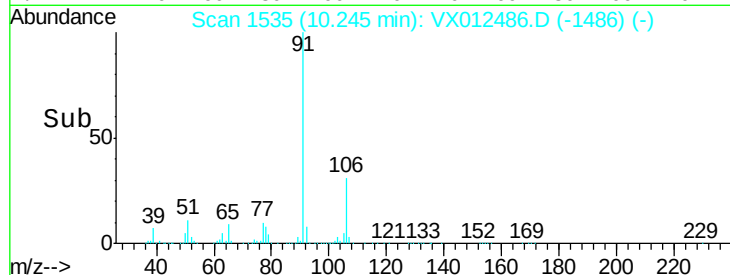
50000

0

10.20

10.30

Time-->



#68

m/p-Xylenes

Concen: 41.416 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX012486.D

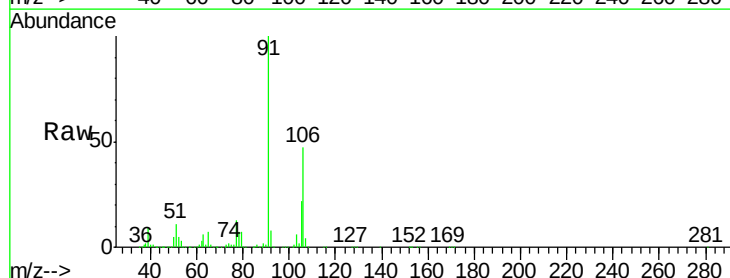
Acq: 18 Sep 2019 20:04

Tgt Ion: 106 Resp: 132985

Ion Ratio Lower Upper

106 100

91 208.9 166.6 250.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

250000

200000

150000

100000

50000

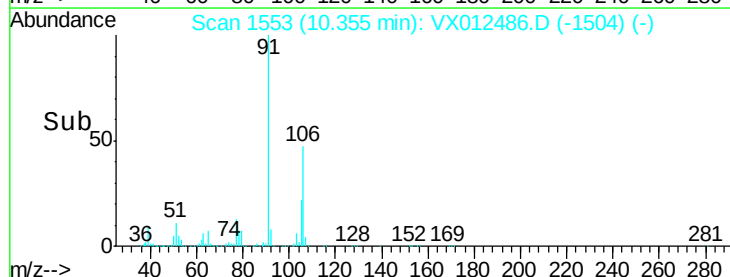
0

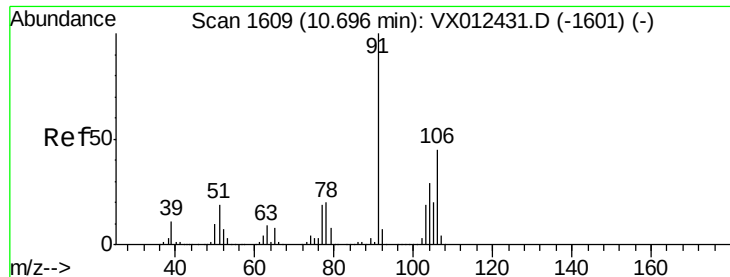
10.30

10.35

10.40

Time-->





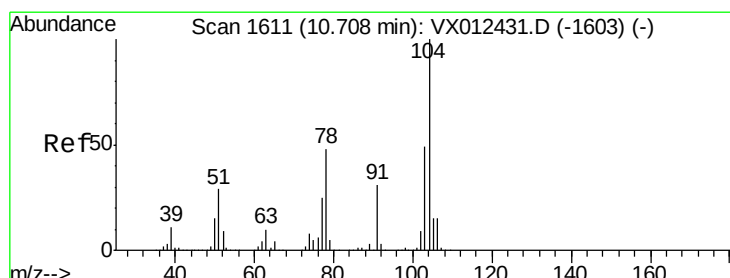
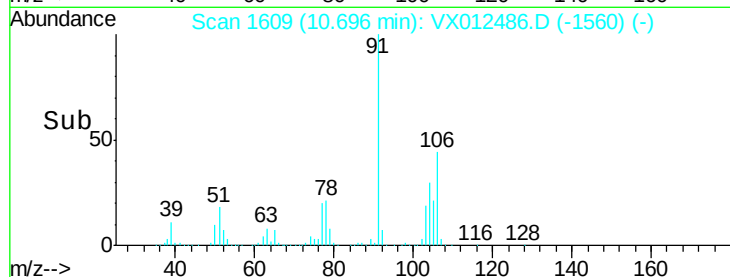
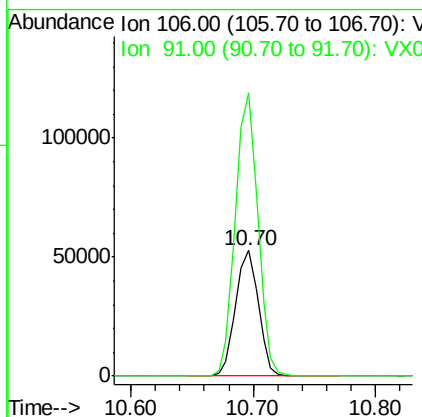
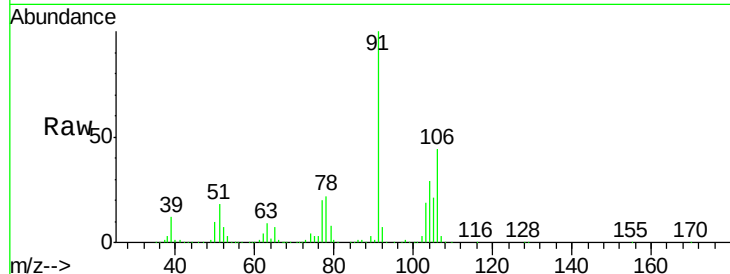
#69
o-Xylene
Concen: 20.721 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012486.D
Acq: 18 Sep 2019 20:04

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	68426		
91	91	221.1		109.4	328.2

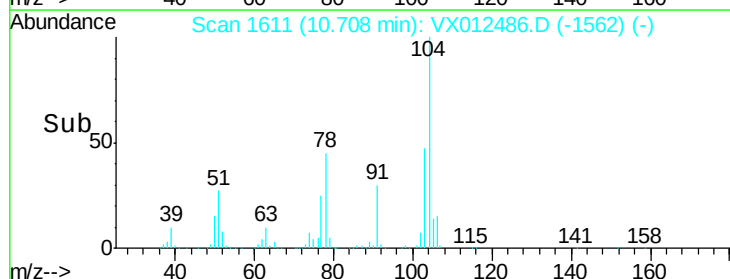
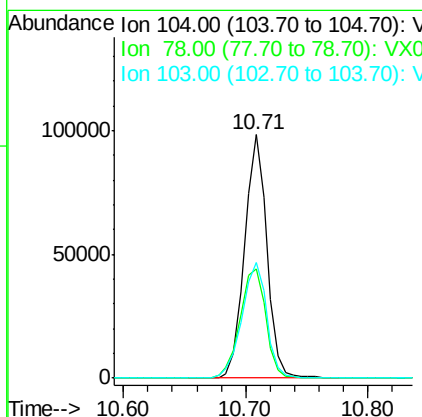
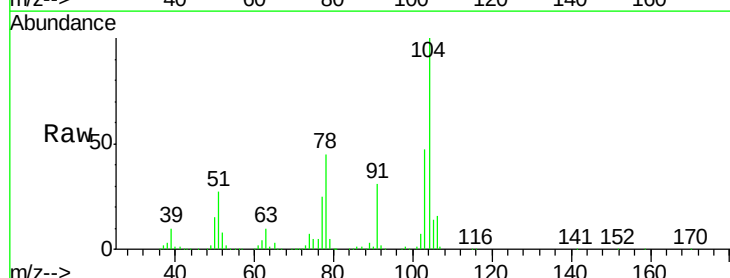
Manual Integrations
APPROVED

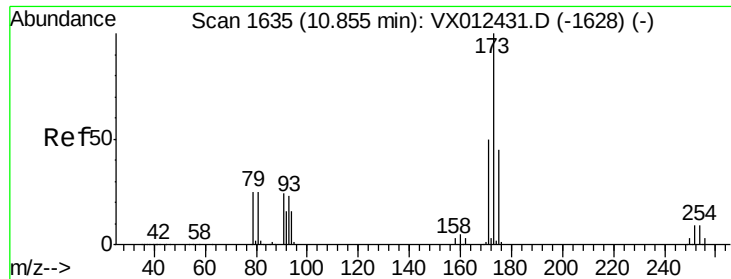
MMDadoda
9/19/2019 1:05:50 PM



#70
Styrene
Concen: 21.260 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012486.D
Acq: 18 Sep 2019 20:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	124212		
78	78	52.0		43.4	65.2
103	103	52.6		43.3	64.9





#71

Bromoform

Concen: 18.276 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012486.D

Acq: 18 Sep 2019 20:04

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tot Ion:173 Resp: 30001

Ion Ratio Lower Upper

173 100

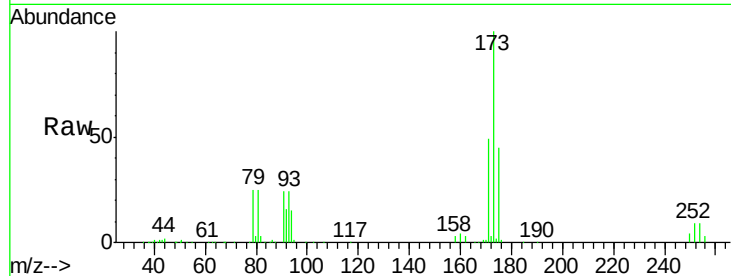
175 47.0 23.7 71.1

254 0.0 0.1 0.1#

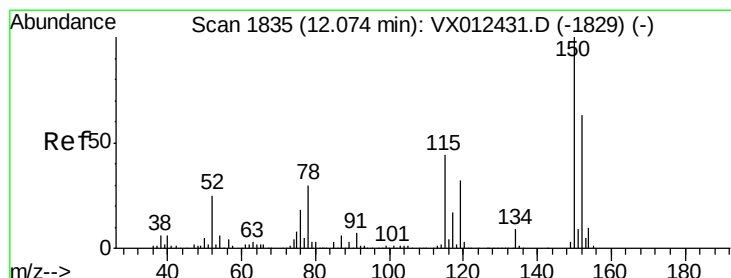
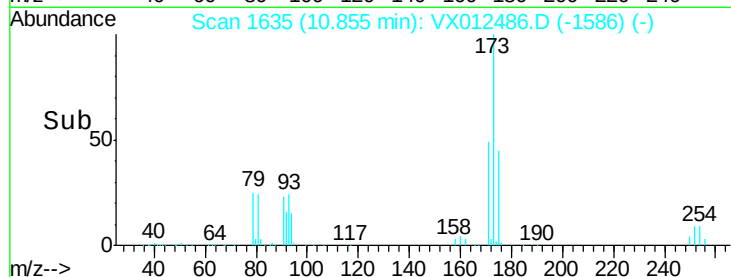
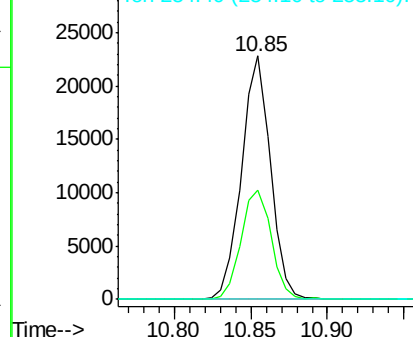
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012486.D

Acq: 18 Sep 2019 20:04

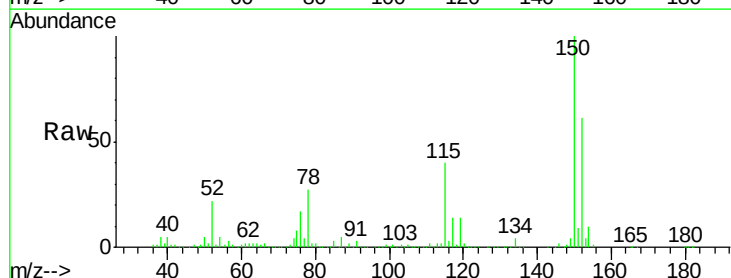
Tgt Ion:152 Resp: 150090

Ion Ratio Lower Upper

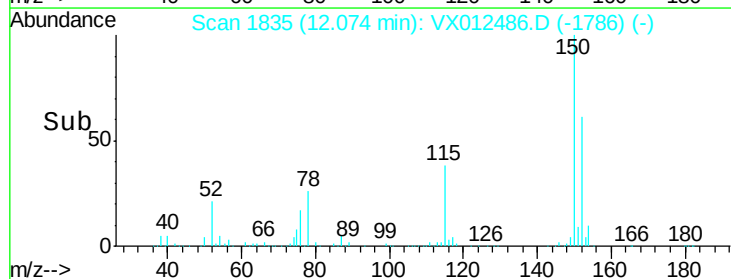
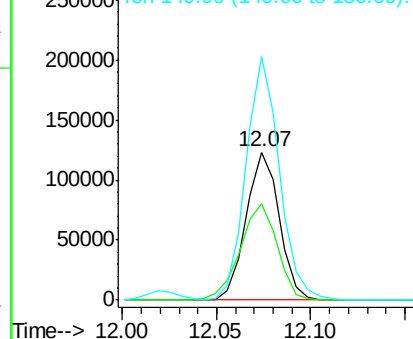
152 100

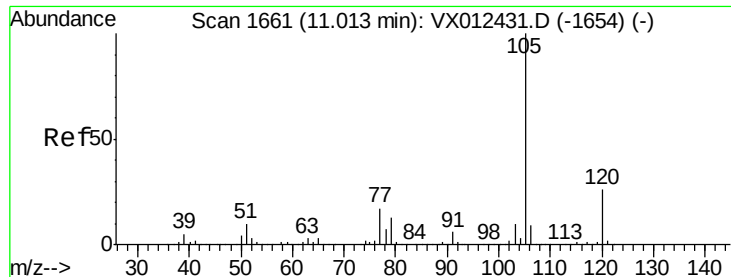
115 72.5 44.1 132.3

150 166.0 0.0 343.8



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: 20.429 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012486.D

Acq: 18 Sep 2019 20:04

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tot Ion:105 Resp: 192381

Ion Ratio Lower Upper

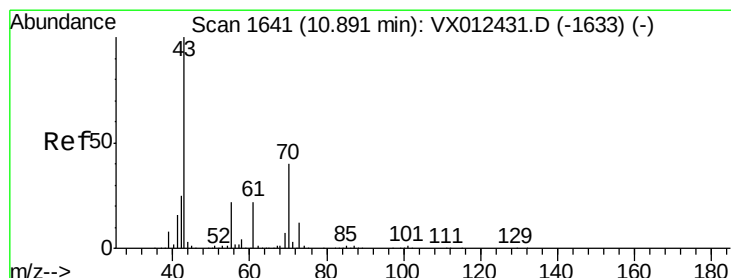
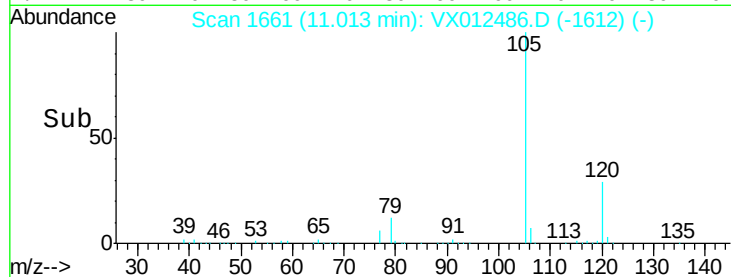
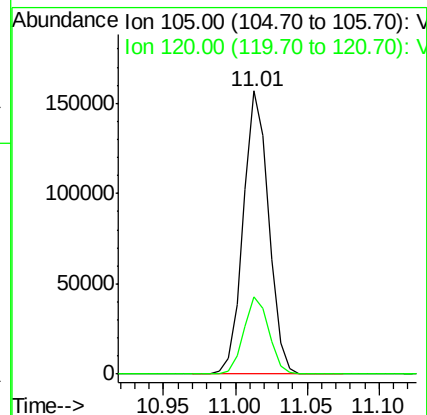
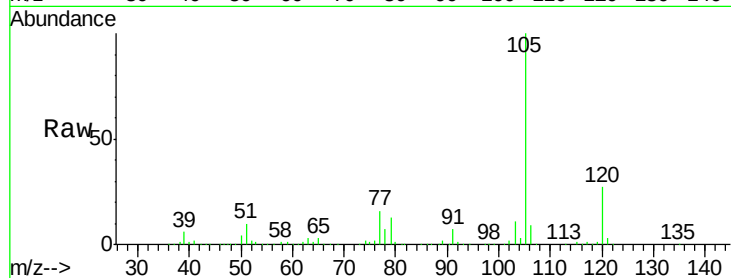
105 100

120 27.2 12.9 38.7

Manual Integrations
APPROVED

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9/19/2019 1:05:50 PM



#74

N-ethyl acetate

Concen: 19.434 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012486.D

Acq: 18 Sep 2019 20:04

Tgt Ion: 43 Resp: 98531

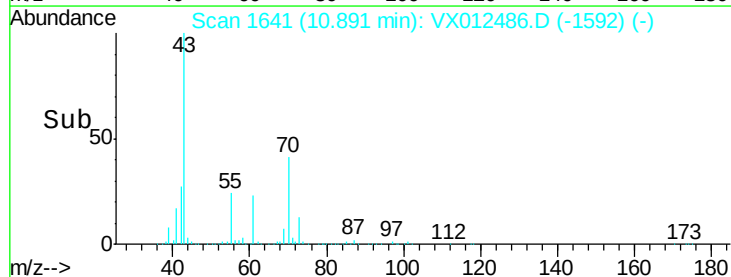
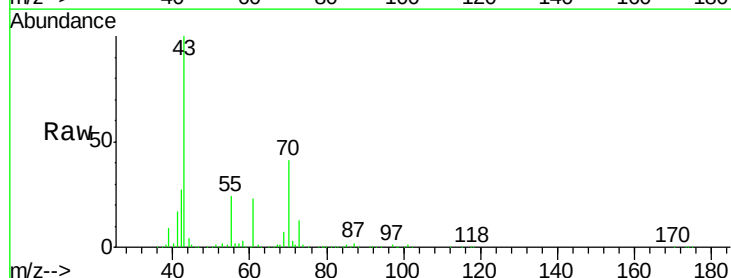
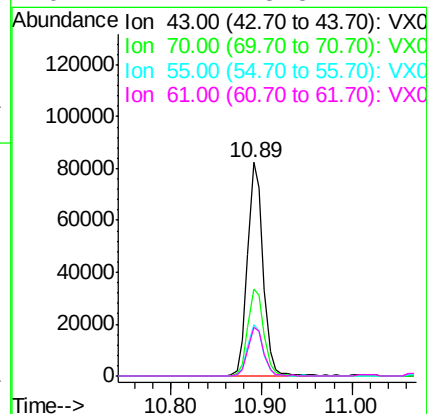
Ion Ratio Lower Upper

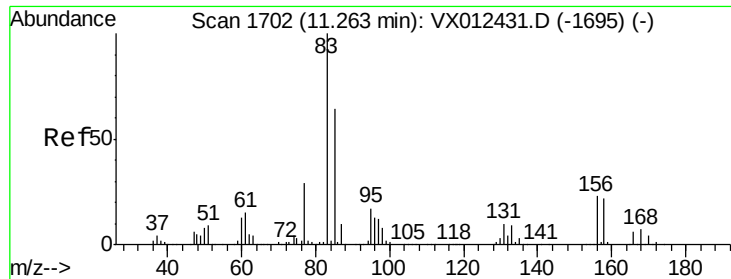
43 100

70 41.6 32.4 48.6

55 23.6 18.2 27.4

61 22.7 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.581 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012486.D

Acq: 18 Sep 2019 20:04

Instrument :

MSVOA_X

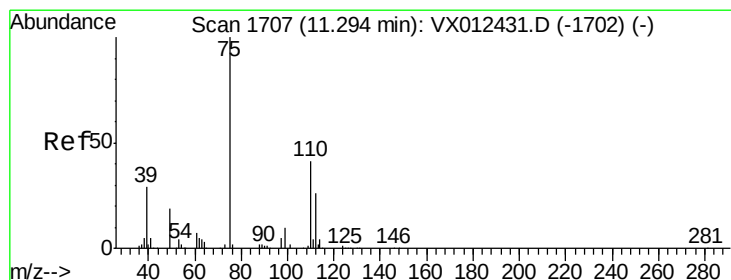
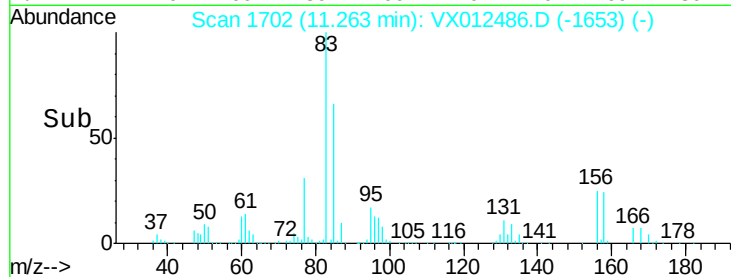
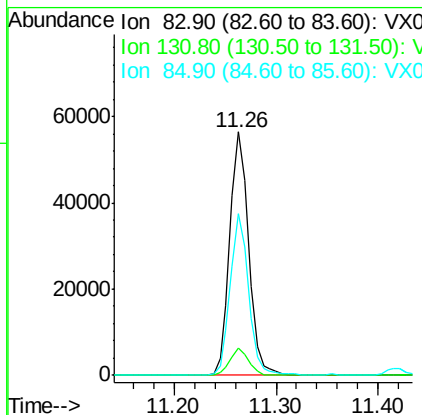
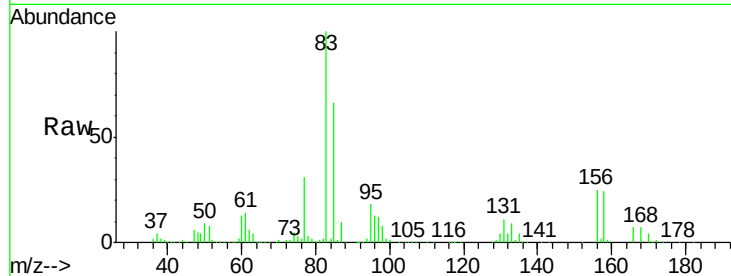
ClientSampleId :

VX0918WBSD01

Tot Ion:	83	Resp:	72334
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.2	15.6
85	64.4	32.0	96.0

Manual Integrations
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9/19/2019 1:05:50 PM



#76

1,2,3-Trichloropropane

Concen: 20.040 ug/l m

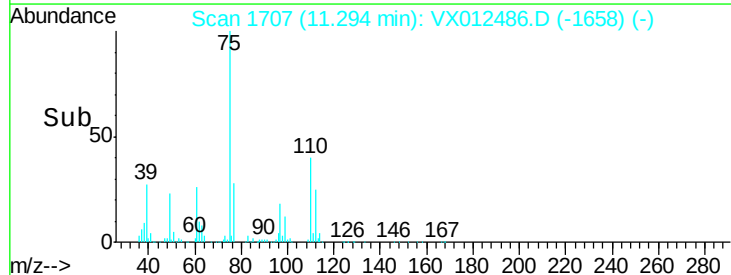
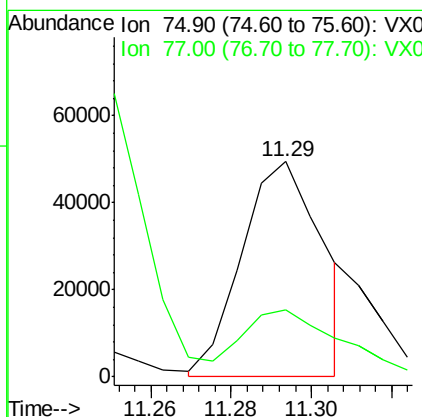
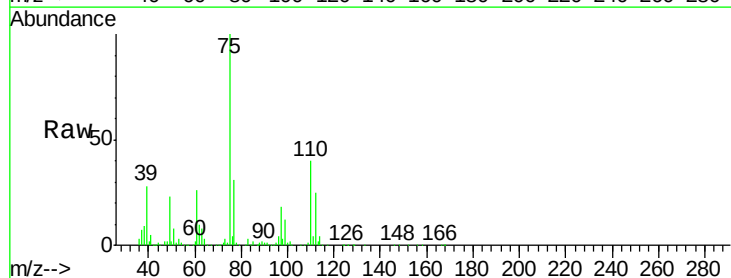
RT: 11.29 min Scan# 1707

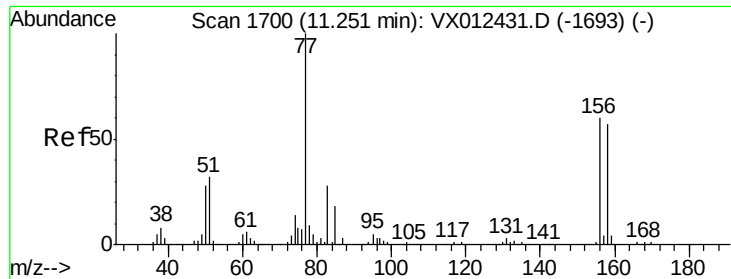
Delta R.T. -0.00 min

Lab File: VX012486.D

Acq: 18 Sep 2019 20:04

Tgt Ion:	75	Resp:	69090
Ion Ratio	Lower	Upper	
75	100		
77	37.7	19.7	59.0





#77

Bromobenzene

Concen: 20.988 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012486.D

Acq: 18 Sep 2019 20:04

Instrument :

MSVOA_X

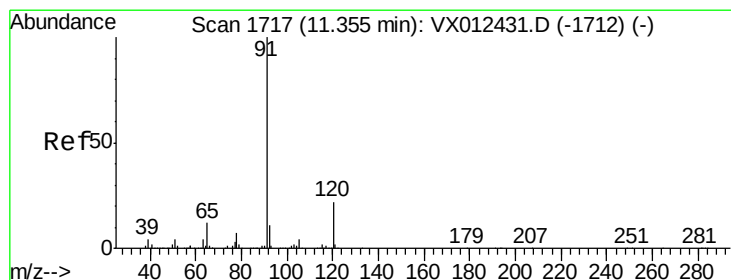
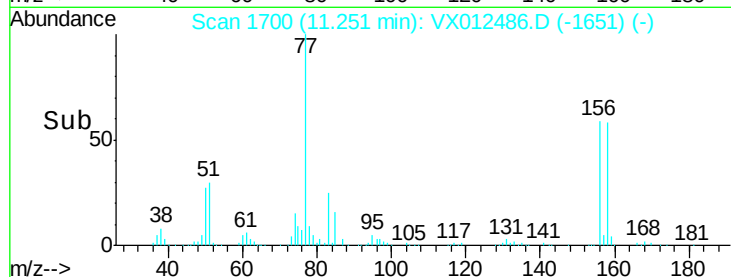
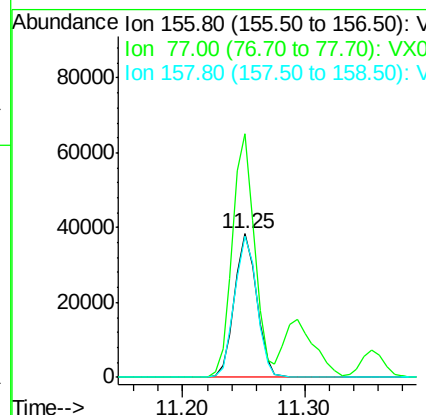
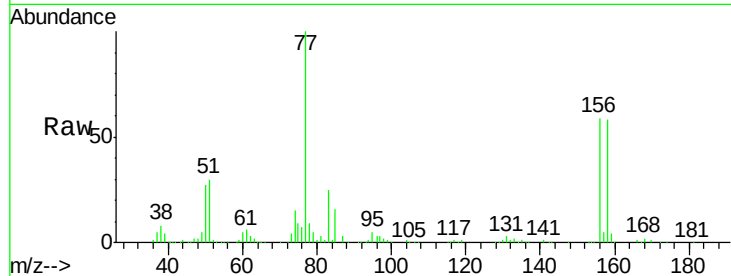
ClientSampleId :

VX0918WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	169.6	87.3	261.8
158	98.2	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 20.508 ug/l

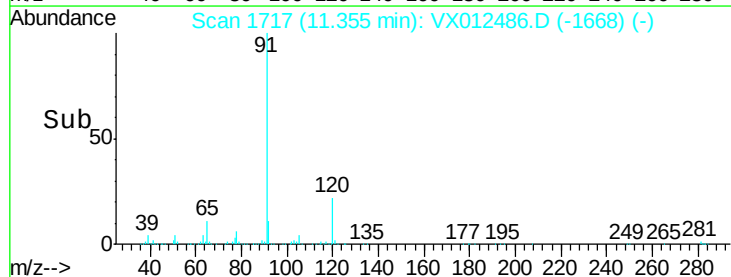
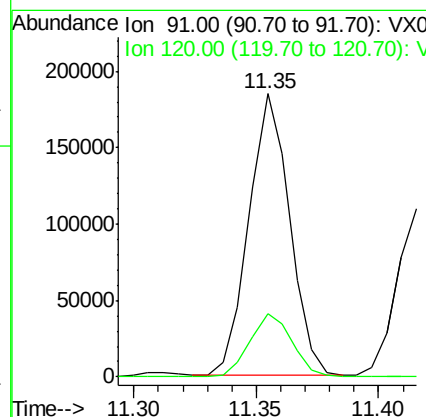
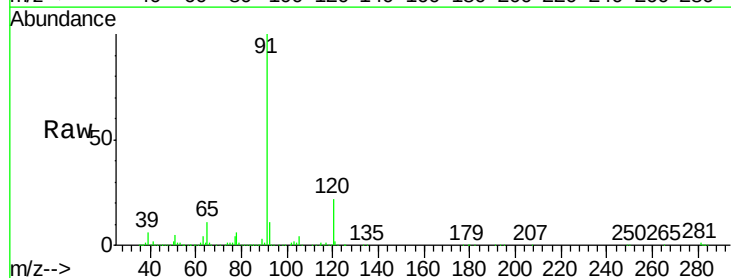
RT: 11.35 min Scan# 1717

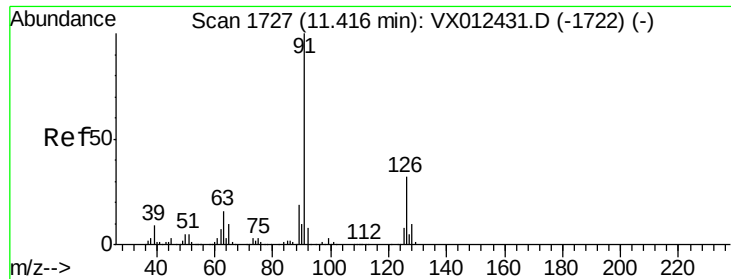
Delta R.T. -0.00 min

Lab File: VX012486.D

Acq: 18 Sep 2019 20:04

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.3	33.8





#79

2-Chlorotoluene

Concen: 20.221 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012486.D

Acq: 18 Sep 2019 20:04

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tot Ion: 91 Resp: 138076

Ion Ratio Lower Upper

91 100

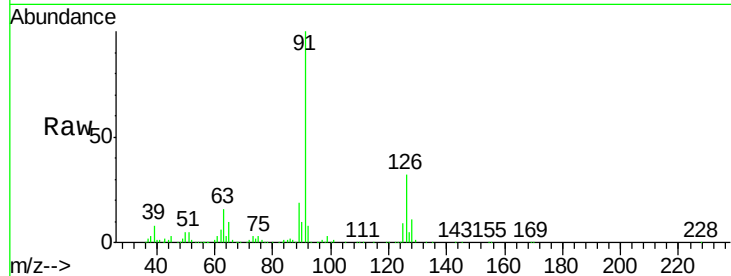
126 32.9 16.4 49.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX012486.D (-1678) (-)

Ion 125.90 (125.60 to 126.60): VX012486.D (-1678) (-)

200000

150000

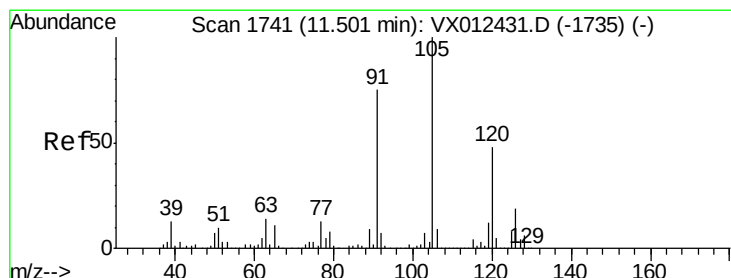
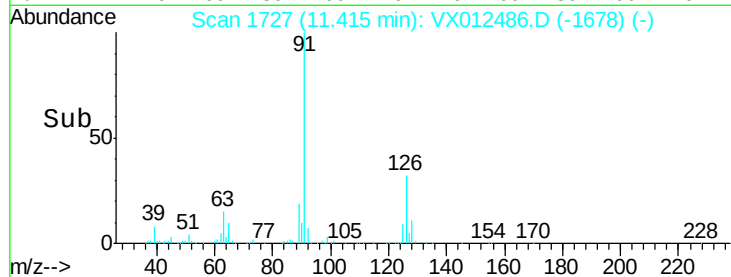
100000

50000

0

11.35 11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.651 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012486.D

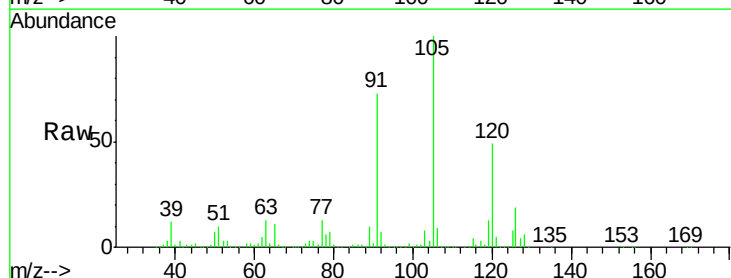
Acq: 18 Sep 2019 20:04

Tgt Ion: 105 Resp: 165855

Ion Ratio Lower Upper

105 100

120 49.5 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VX012486.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX012486.D (-1692) (-)

150000

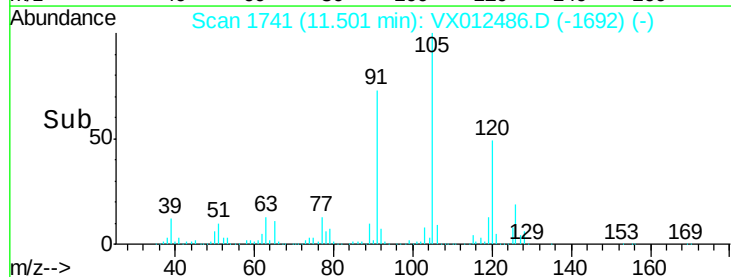
100000

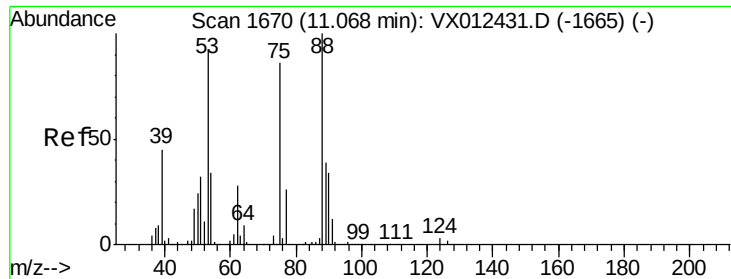
50000

0

11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.878 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX012486.D

Acq: 18 Sep 2019 20:04

Instrument :

MSVOA_X

ClientSampled :

VX0918WBSD01

Tot Ion: 75 Resp: 19789

Ion Ratio Lower Upper

75 100

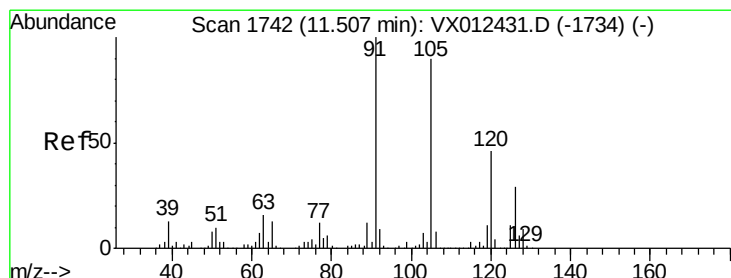
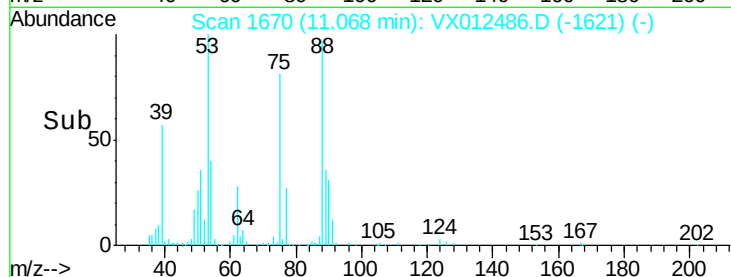
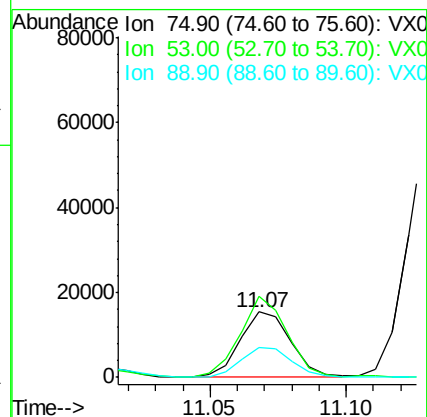
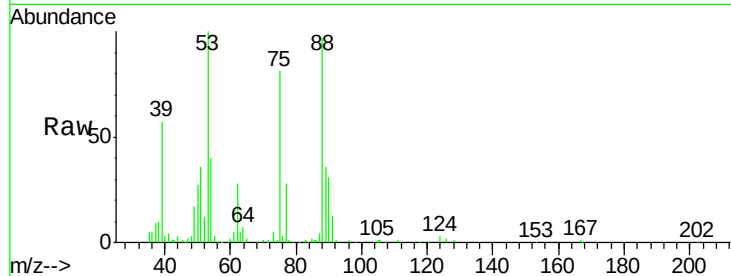
53 116.1 83.6 125.4

89 46.6 36.3 54.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.364 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX012486.D

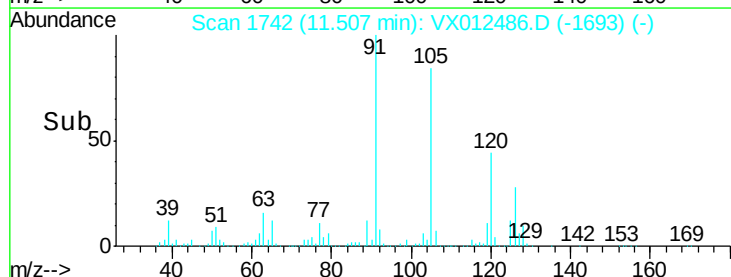
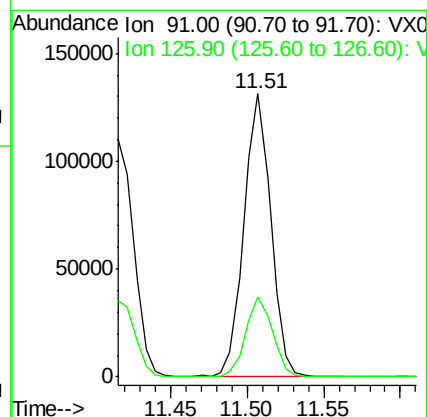
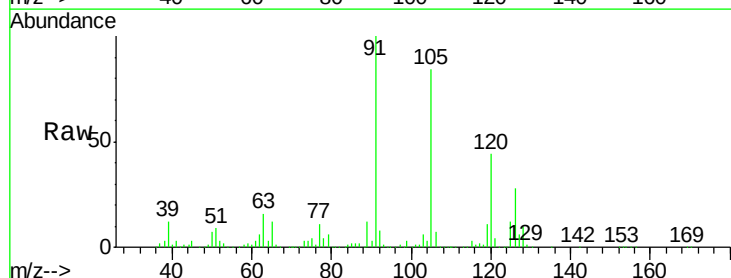
Acq: 18 Sep 2019 20:04

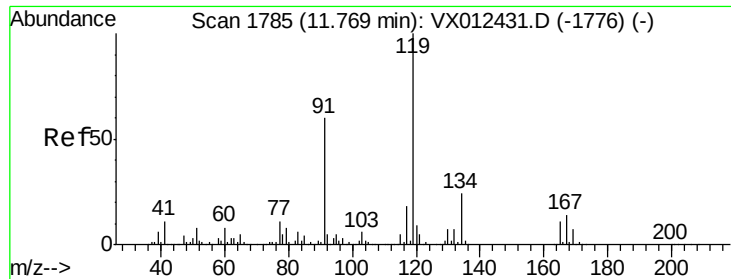
Tgt Ion: 91 Resp: 159590

Ion Ratio Lower Upper

91 100

126 28.5 14.4 43.0





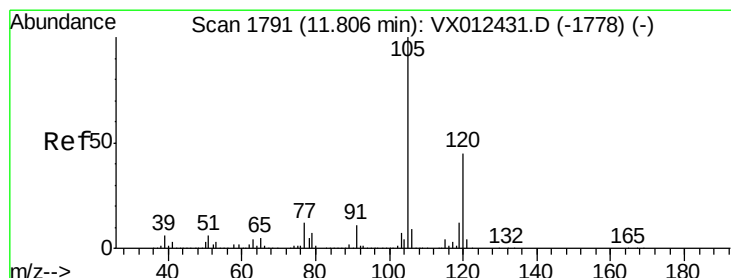
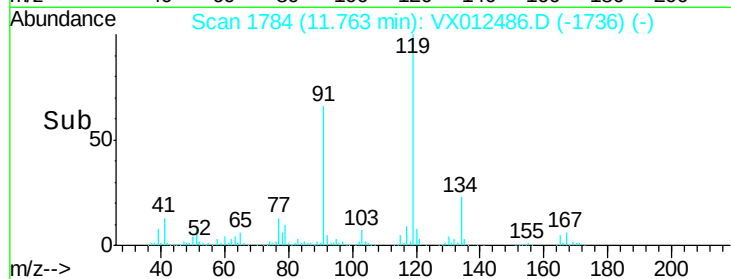
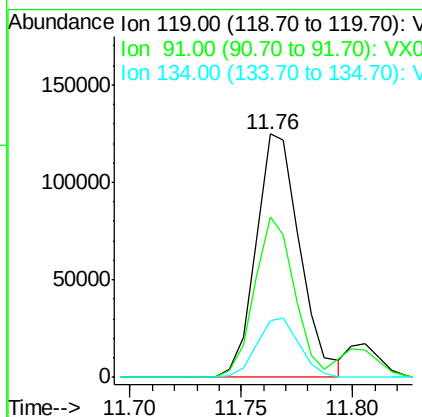
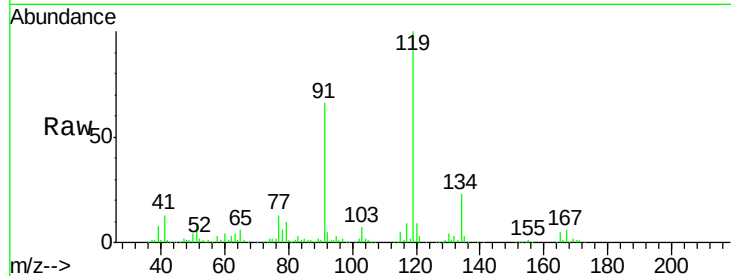
#83
 tert-Butylbenzene
 Concen: 19.870 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: VX012486.D
 Acq: 18 Sep 2019 20:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	171002		
91	60.3	30.0	90.0	
134	23.6	11.3	33.9	

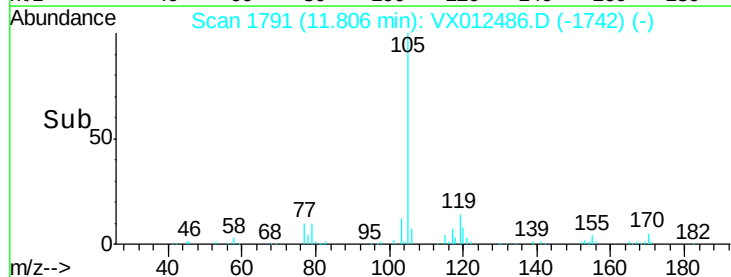
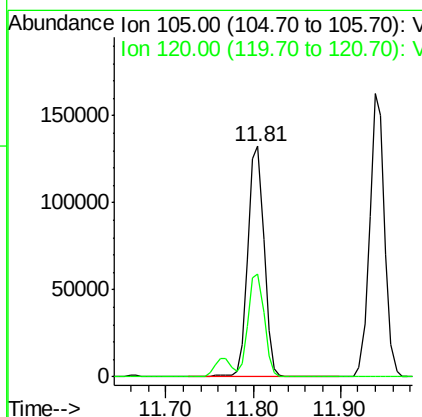
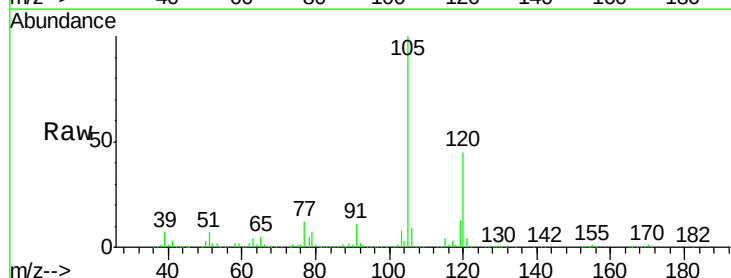
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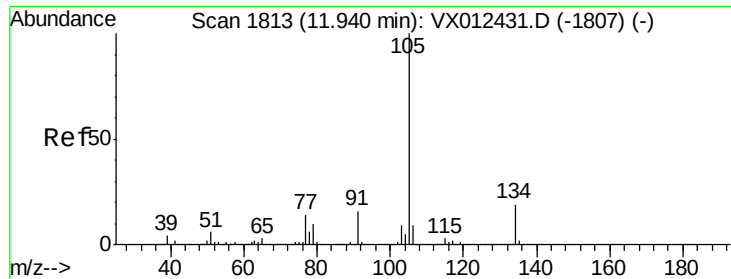
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.585 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX012486.D
 Acq: 18 Sep 2019 20:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	169753		
120	44.3	22.2	66.6	





#85

sec-Butylbenzene

Concen: 20.620 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012486.D

Acq: 18 Sep 2019 20:04

Instrument :

MSVOA_X

ClientSampled :

VX0918WBSD01

Tot Ion:105 Resp: 195539

Ion Ratio Lower Upper

105 100

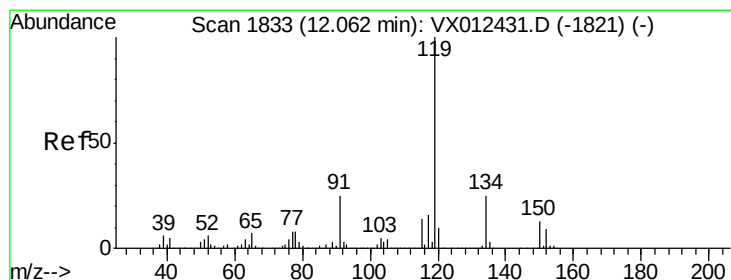
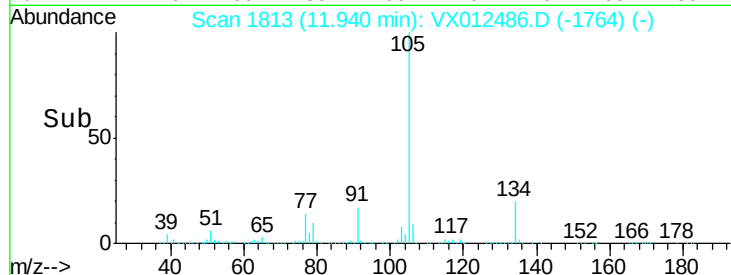
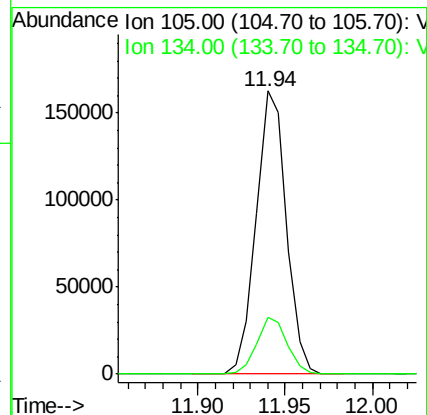
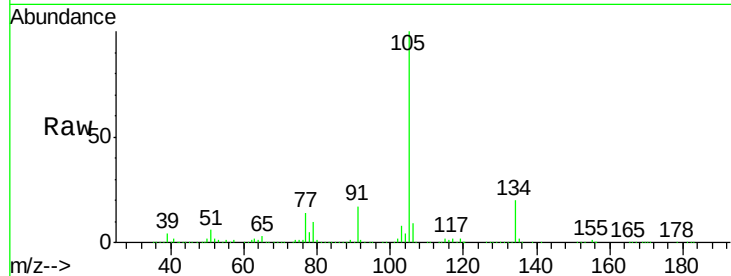
134 20.1 9.8 29.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.546 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012486.D

Acq: 18 Sep 2019 20:04

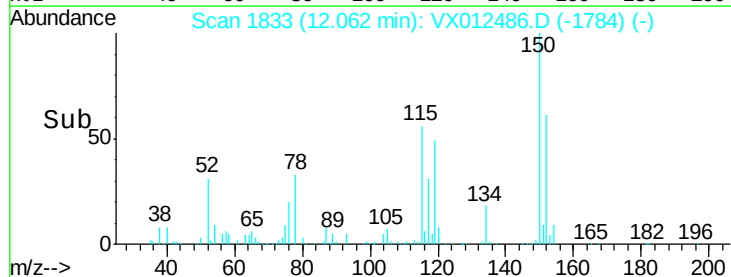
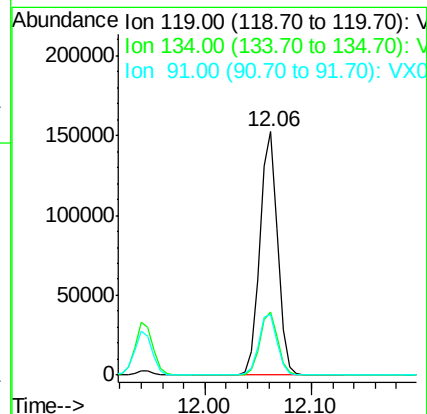
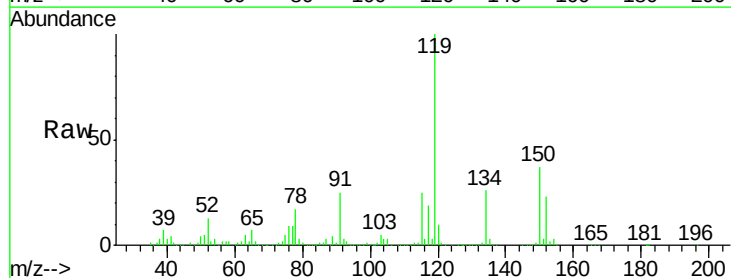
Tgt Ion:119 Resp: 178913

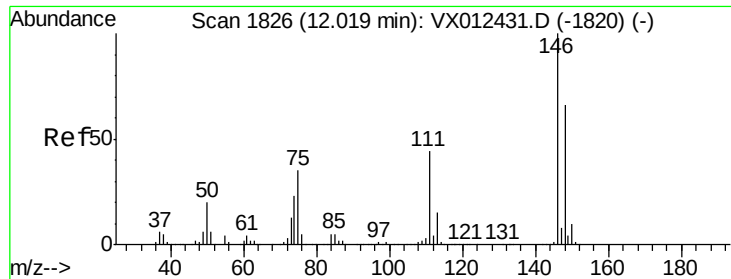
Ion Ratio Lower Upper

119 100

134 25.9 12.7 38.1

91 25.6 12.8 38.4





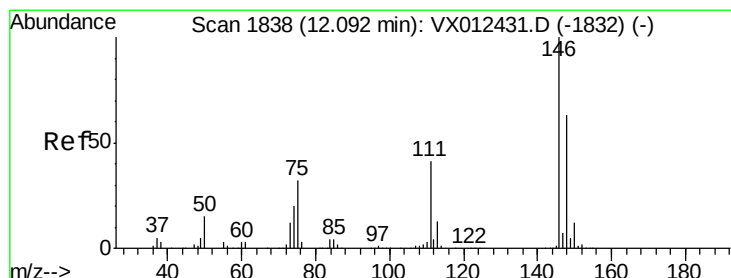
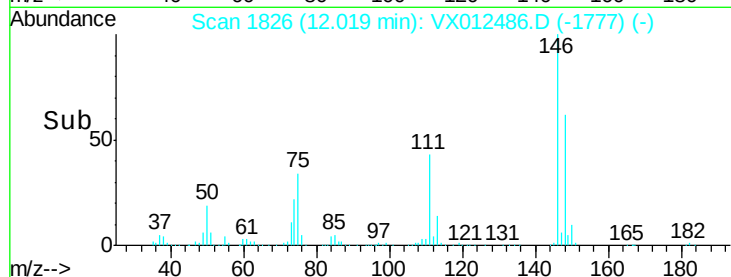
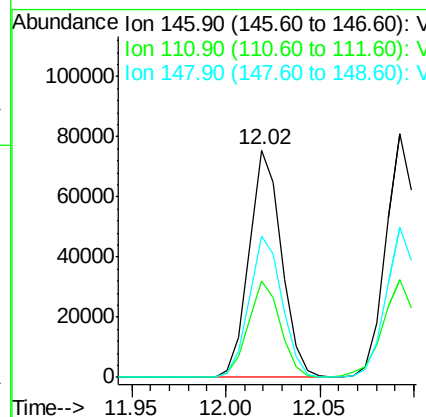
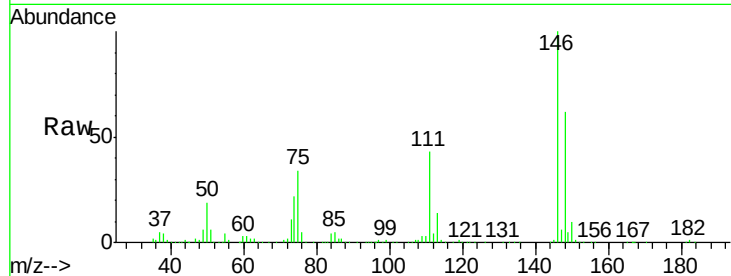
#87
 1,3-Dichlorobenzene
 Concen: 20.876 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012486.D
 Acq: 18 Sep 2019 20:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.3	64.0
148	63.0	32.4	97.2

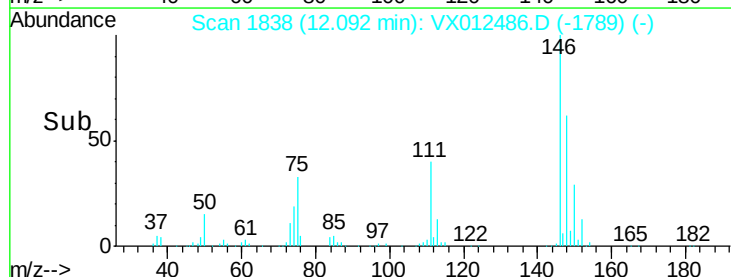
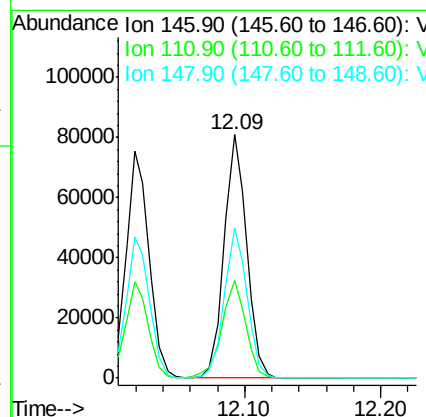
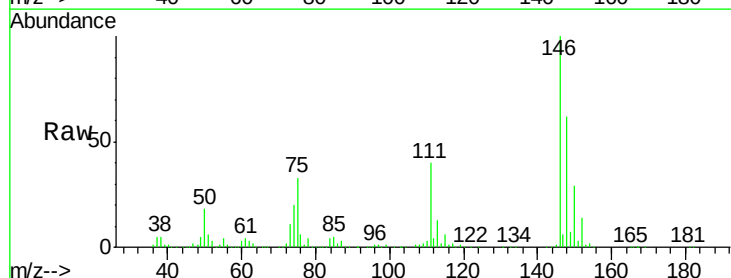
Manual Integrations
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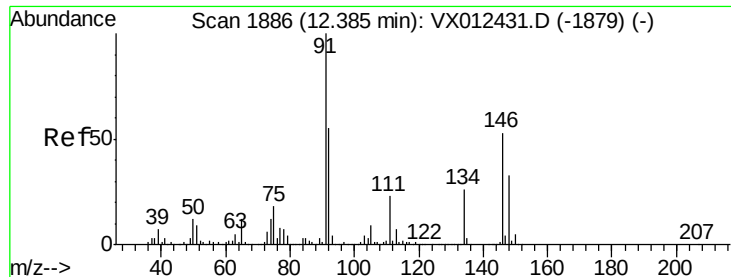
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#88
 1,4-Dichlorobenzene
 Concen: 20.953 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012486.D
 Acq: 18 Sep 2019 20:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.1	63.3
148	62.3	32.1	96.5





#89

n-Butylbenzene

Concen: 20.122 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX012486.D

Acq: 18 Sep 2019 20:04

Instrument :

MSVOA_X

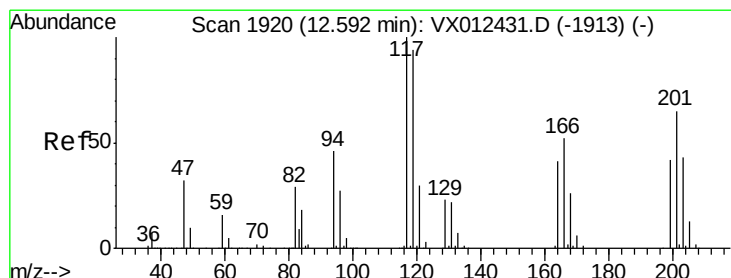
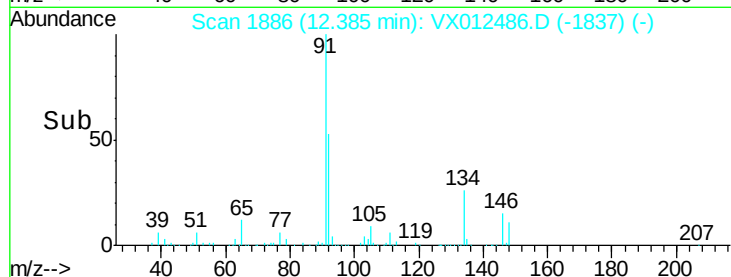
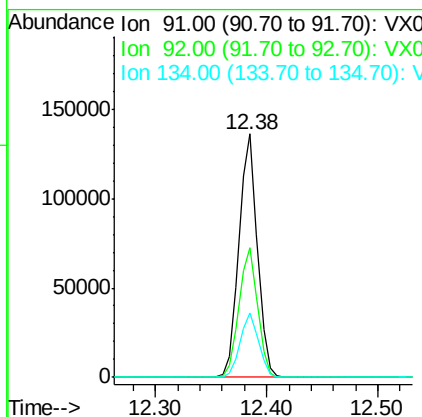
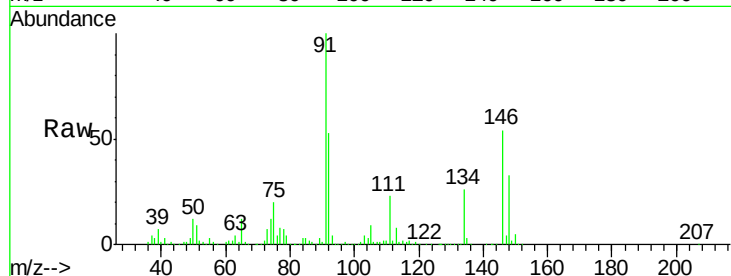
ClientSampled :

VX0918WBSD01

Tot Ion:	91	Resp:	156340
Ion Ratio	Lower	Upper	
91	100		
92	53.9	27.7	83.0
134	26.3	12.9	38.6

Manual Integrations
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#90

Hexachloroethane

Concen: 18.076 ug/l

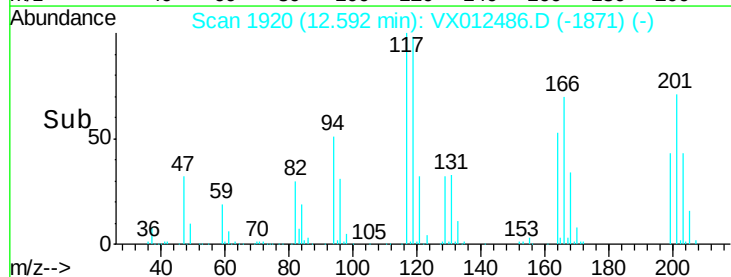
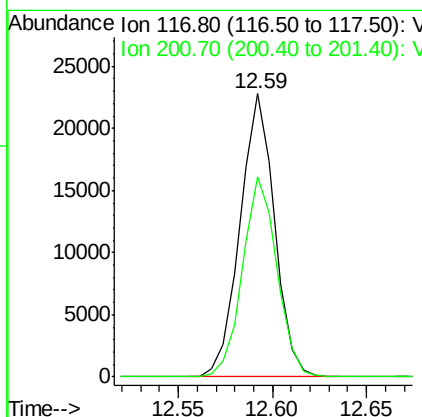
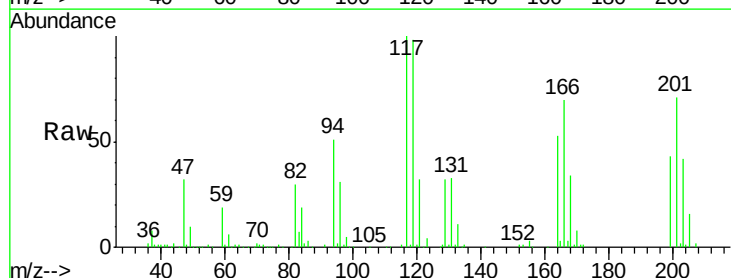
RT: 12.59 min Scan# 1920

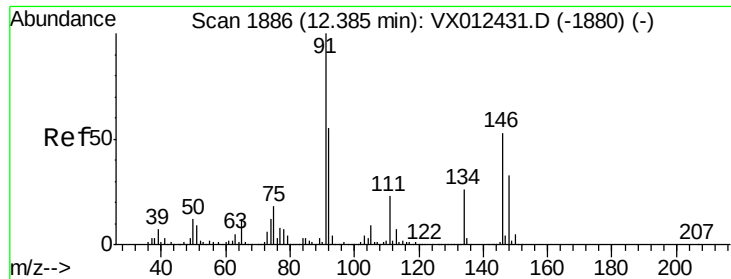
Delta R.T. -0.00 min

Lab File: VX012486.D

Acq: 18 Sep 2019 20:04

Tgt Ion:	117	Resp:	28862
Ion Ratio	Lower	Upper	
117	100		
201	70.3	33.3	99.8





#91

1,2-Dichlorobenzene

Concen: 21.156 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX012486.D

Acq: 18 Sep 2019 20:04

Instrument :

MSVOA_X

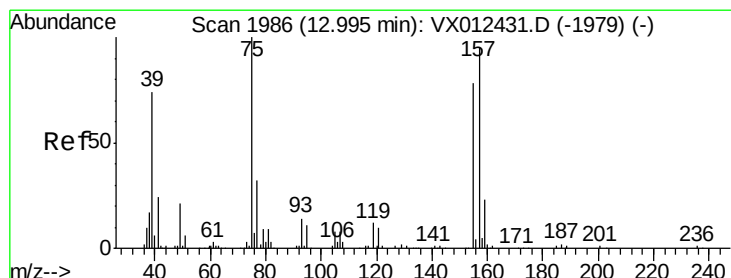
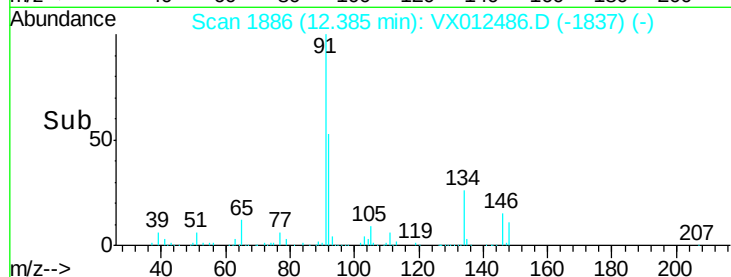
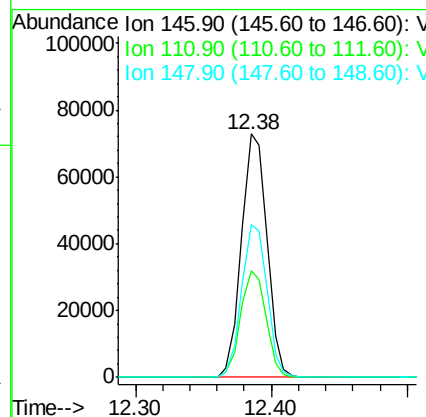
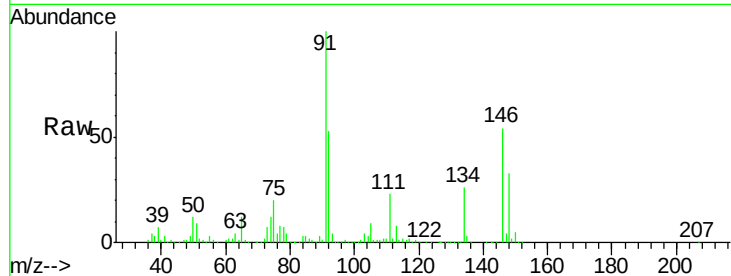
ClientSampleId :

VX0918WBSD01

Tot Ion:	146	Resp:	95528
Ion Ratio	Lower	Upper	
146	100		
111	43.3	22.1	66.1
148	62.7	31.3	93.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.206 ug/l

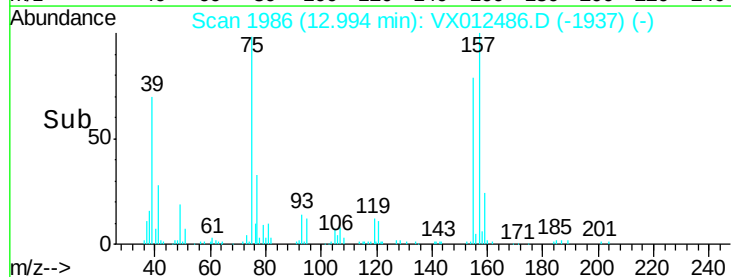
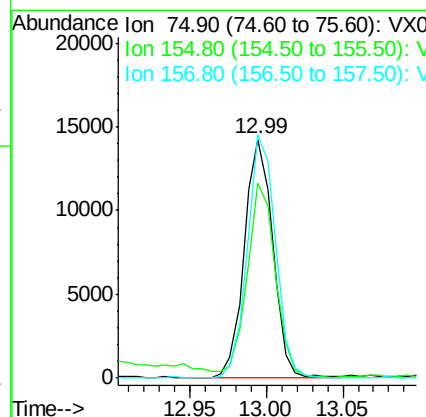
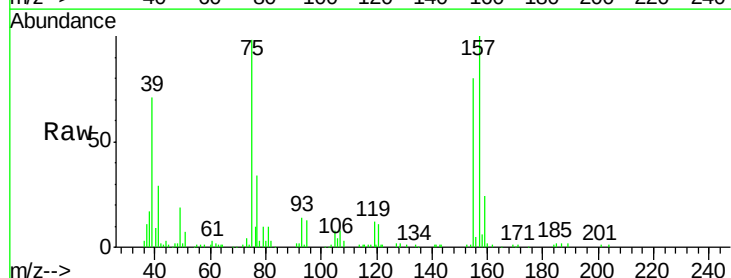
RT: 12.99 min Scan# 1886

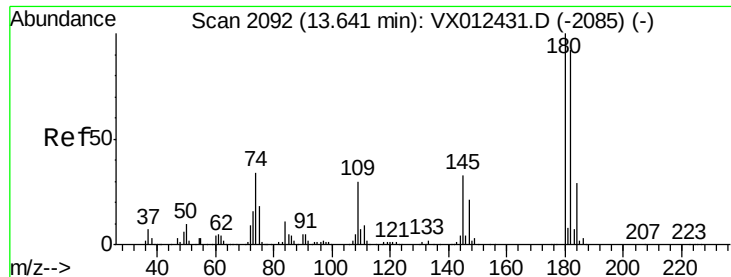
Delta R.T. -0.00 min

Lab File: VX012486.D

Acq: 18 Sep 2019 20:04

Tgt Ion:	75	Resp:	18394
Ion Ratio	Lower	Upper	
75	100		
155	80.9	38.6	115.8
157	100.9	50.6	151.9





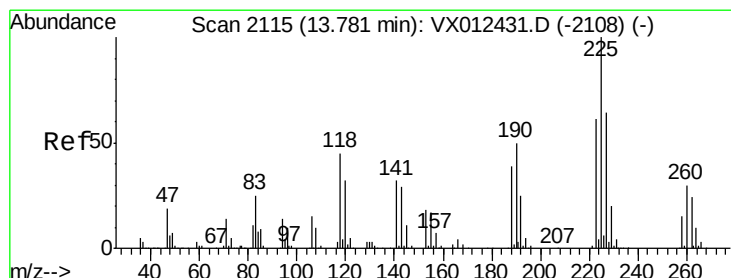
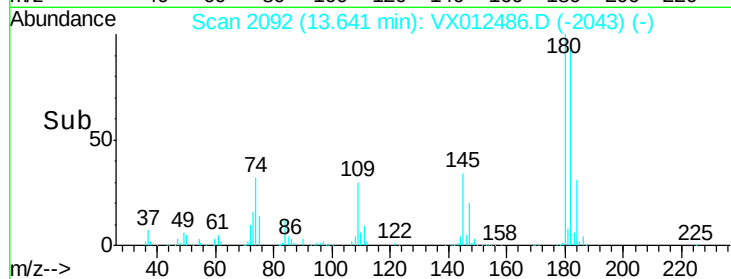
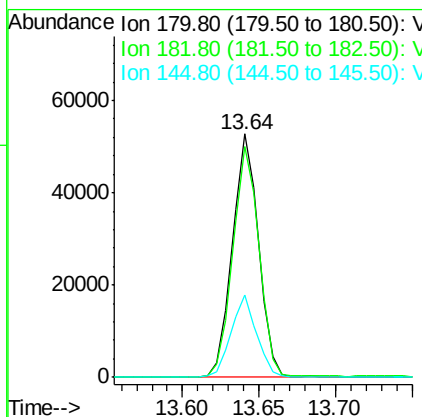
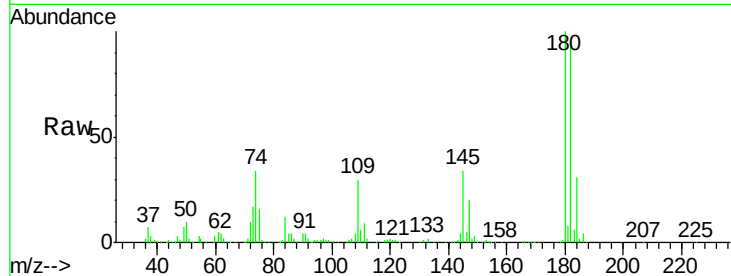
#93
 1,2,4-Trichlorobenzene
 Concen: 21.470 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012486.D
 Acq: 18 Sep 2019 20:04

Instrument :
 MSVOA_X
 ClientSampled :
 VX0918WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.0	141.0
145	33.0	16.8	50.4

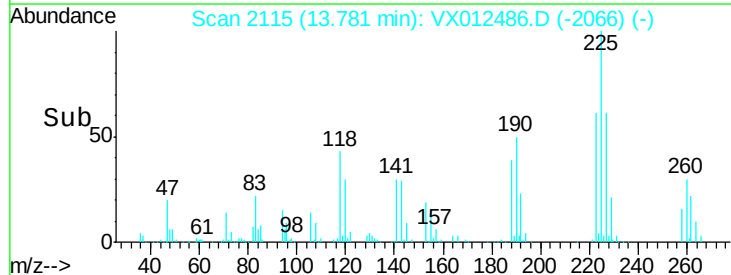
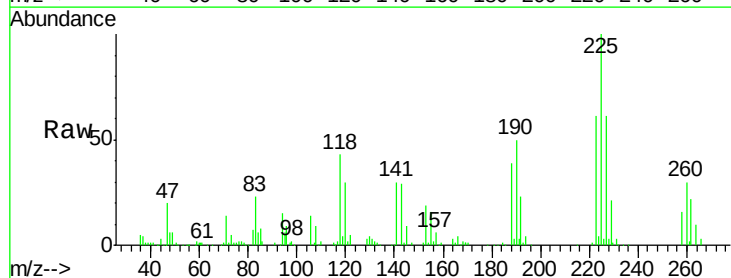
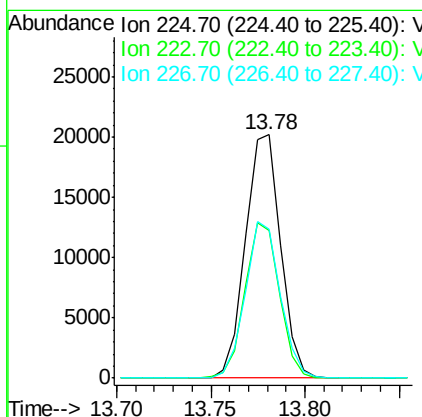
Manual Integrations
 APPROVED

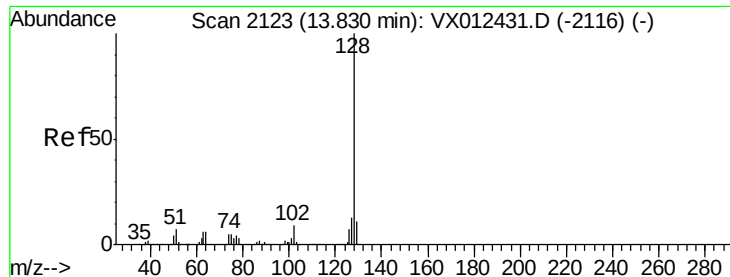
MMDadoda
 9/19/2019 1:05:50 PM



#94
 Hexachlorobutadiene
 Concen: 19.103 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VX012486.D
 Acq: 18 Sep 2019 20:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	32.0	96.2
227	63.6	31.9	95.5





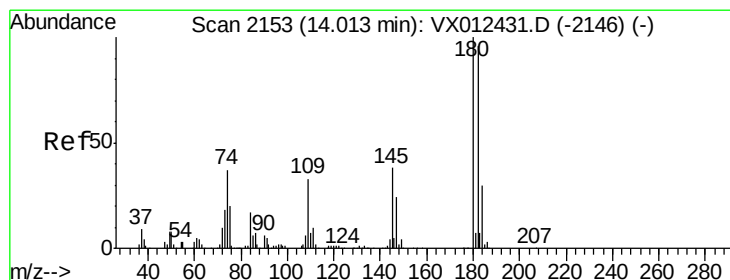
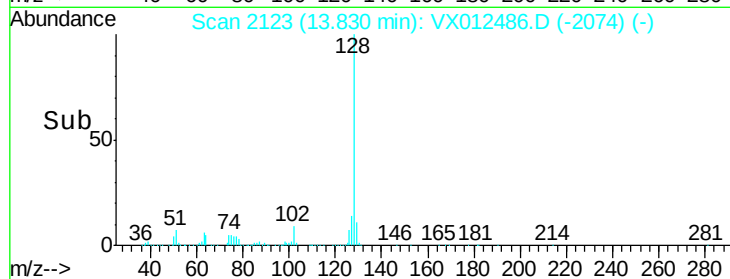
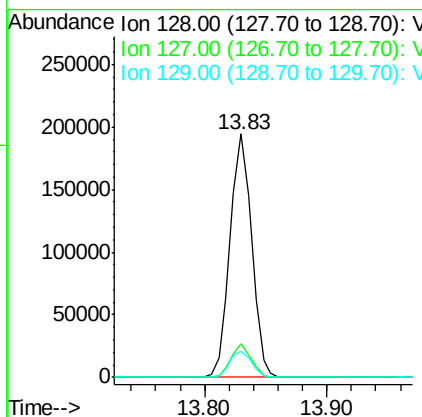
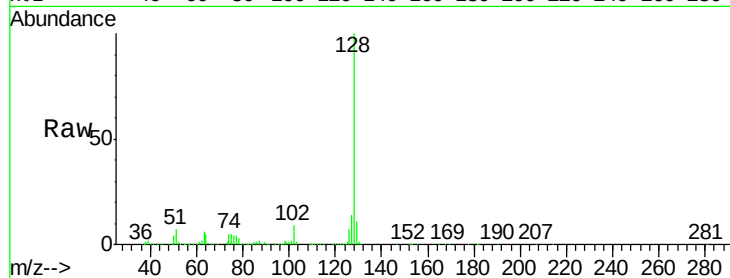
#95
Naphthalene
Concen: 22.998 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012486.D
Acq: 18 Sep 2019 20:04

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/19/2019 1:05:50 PM



#96
1,2,3-Trichlorobenzene
Concen: 22.492 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX012486.D
Acq: 18 Sep 2019 20:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.1	141.3
145	33.6	18.0	54.0

