

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092319\
 Data File : VX012603.D
 Acq On : 23 Sep 2019 14:47
 Operator : JC/SP
 Sample : VX0923WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0923WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 10:06:05 AM

Quant Time: Sep 24 02:05:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	228925	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	391314	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	353445	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	158669	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	140439	42.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.26%	
35) Dibromofluoromethane	5.48	113	104577	44.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.74%	
50) Toluene-d8	8.71	98	397636	44.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.62%	
62) 4-Bromofluorobenzene	11.13	95	154577	43.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	42514	16.508	ug/l	99
3) Chloromethane	1.32	50	47116	15.932	ug/l	99
4) Vinyl Chloride	1.40	62	48369	16.455	ug/l	98
5) Bromomethane	1.63	94	23321	20.179	ug/l	96
6) Chloroethane	1.71	64	30647	15.466	ug/l	98
7) Trichlorofluoromethane	1.92	101	68184	16.522	ug/l	99
8) Diethyl Ether	2.18	74	27153	16.055	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	43756	17.408	ug/l	96
10) Methyl Iodide	2.50	142	30549	15.347	ug/l	97
11) Tert butyl alcohol	3.03	59	64478	77.428	ug/l	98
12) 1,1-Dichloroethene	2.36	96	41669	16.929	ug/l	98
13) Acrolein	2.28	56	30721	73.746	ug/l	98
14) Allyl chloride	2.72	41	80835	16.553	ug/l	97
15) Acrylonitrile	3.13	53	135722	80.334	ug/l	100
16) Acetone	2.43	43	150507	85.237	ug/l	97
17) Carbon Disulfide	2.56	76	111318	16.132	ug/l	99
18) Methyl Acetate	2.76	43	65317	15.710	ug/l	96
19) Methyl tert-butyl Ether	3.18	73	154653	16.600	ug/l	99
20) Methylene Chloride	2.84	84	47131	15.781	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	45625	16.732	ug/l	98
22) Diisopropyl ether	3.84	45	154087	16.330	ug/l	90
23) Vinyl Acetate	3.80	43	683543	82.605	ug/l	98
24) 1,1-Dichloroethane	3.69	63	83696	16.318	ug/l	98
25) 2-Butanone	4.65	43	207431	81.930	ug/l	95
26) 2,2-Dichloropropane	4.57	77	76501	16.770	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	51862	16.391	ug/l	97
28) Bromochloromethane	5.00	49	31372	16.845	ug/l	99
29) Tetrahydrofuran	5.11	42	123775	80.209	ug/l	98
30) Chloroform	5.19	83	85962	16.381	ug/l	97
31) Cyclohexane	5.57	56	79530	17.139	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	76031	16.348	ug/l	100
36) 1,1-Dichloropropene	5.78	75	64045	16.980	ug/l	97
37) Ethyl Acetate	4.82	43	74381	16.868	ug/l	98
38) Carbon Tetrachloride	5.77	117	64914	16.942	ug/l	97

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
 APPROVED

MMDadoda
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	79949	17.607	ug/l	96
40) Benzene	6.13	78	187514	16.896	ug/l	98
41) Methacrylonitrile	5.02	41	40978	16.563	ug/l	96
42) 1,2-Dichloroethane	6.18	62	71753	17.026	ug/l	100
43) Isopropyl Acetate	6.43	43	122060	16.552	ug/l	99
44) Trichloroethene	7.20	130	48072	16.944	ug/l	95
45) 1,2-Dichloropropane	7.51	63	48057	16.914	ug/l	99
46) Dibromomethane	7.65	93	32327	16.711	ug/l	95
47) Bromodichloromethane	7.89	83	64863	16.776	ug/l	100
48) Methyl methacrylate	7.76	41	57324	16.212	ug/l	97
49) 1,4-Dioxane	7.73	88	26405	329.231	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	376242	82.653	ug/l	98
52) Toluene	8.78	92	119797	17.175	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	72533	16.956	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	79344	16.988	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	47248	17.038	ug/l	97
56) Ethyl methacrylate	9.17	69	78439	16.837	ug/l	95
57) 1,3-Dichloropropane	9.37	76	83508	17.206	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.30	63	191606	91.624	ug/l	100
59) 2-Hexanone	9.48	43	294192	84.433	ug/l	96
60) Dibromochloromethane	9.57	129	46913	16.712	ug/l	100
61) 1,2-Dibromoethane	9.67	107	49698	17.220	ug/l	99
64) Tetrachloroethene	9.33	164	42467	17.233	ug/l	98
65) Chlorobenzene	10.14	112	124780	16.765	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	45372	16.825	ug/l	99
67) Ethyl Benzene	10.25	91	231860	17.176	ug/l	99
68) m/p-Xylenes	10.35	106	174478	34.503	ug/l	100
69) o-Xylene	10.70	106	83627	17.091	ug/l	100
70) Styrene	10.71	104	139849	17.049	ug/l	99
71) Bromoform	10.85	173	30854	16.431	ug/l #	99
73) Isopropylbenzene	11.01	105	224824	17.397	ug/l	100
74) N-amyl acetate	10.89	43	103409	16.773	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	71566	16.721	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	61700m	14.700	ug/l	
77) Bromobenzene	11.25	156	49838	17.040	ug/l	96
78) n-propylbenzene	11.35	91	255584	17.567	ug/l	99
79) 2-Chlorotoluene	11.42	91	152897	16.846	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	188656	17.408	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	23724	16.198	ug/l	99
82) 4-Chlorotoluene	11.51	91	180074	17.405	ug/l	98
83) tert-Butylbenzene	11.76	119	184090	17.610	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	191992	17.562	ug/l	99
85) sec-Butylbenzene	11.94	105	213867	17.589	ug/l	100
86) p-Isopropyltoluene	12.06	119	198515	18.094	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	91958	17.471	ug/l	97
88) 1,4-Dichlorobenzene	12.09	146	93152	17.514	ug/l	97
89) n-Butylbenzene	12.38	91	169036	17.485	ug/l	99
90) Hexachloroethane	12.59	117	32485	16.608	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	90831	17.237	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	17341	16.197	ug/l	98

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBS01

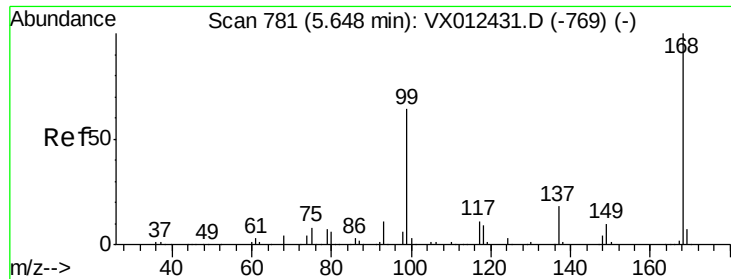
Manual Integrations
APPROVED

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	56247	17.502	ug/l	97
94) Hexachlorobutadiene	13.78	225	24674	17.847	ug/l	98
95) Naphthalene	13.83	128	210283	18.085	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	55668	17.292	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012603.D

Acq: 23 Sep 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0923WBS01

Tot Ion:168 Resp: 228925

Ion Ratio Lower Upper

168 100

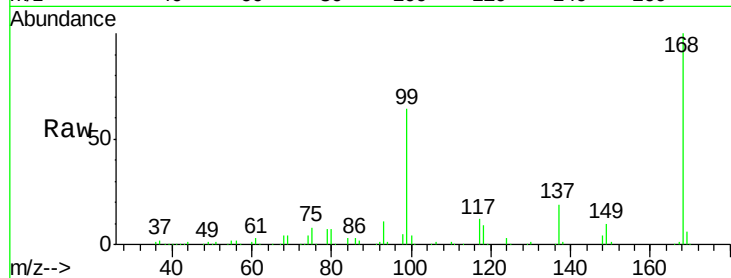
99 63.8 51.4 77.2

Manual Integrations

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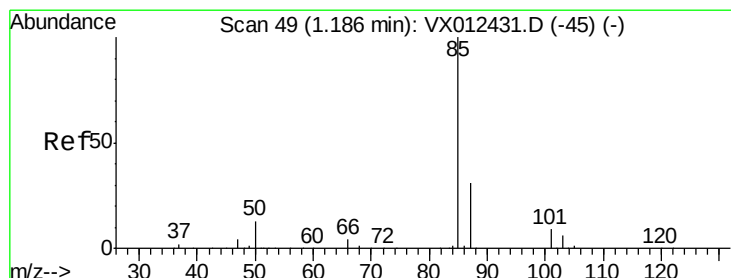
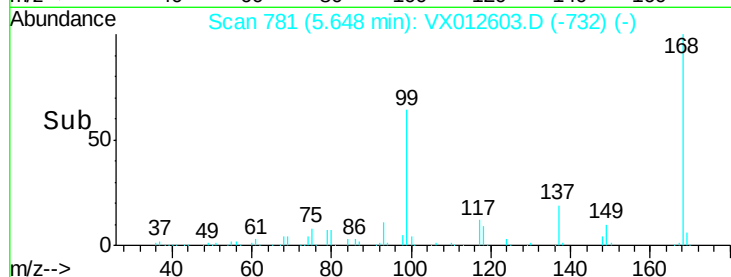
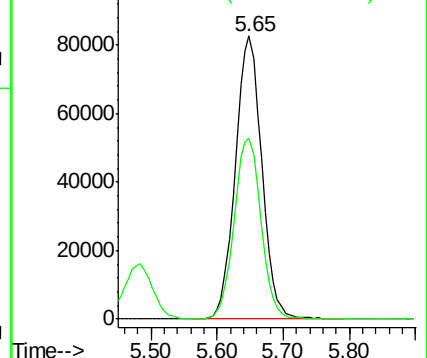
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 16.508 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX012603.D

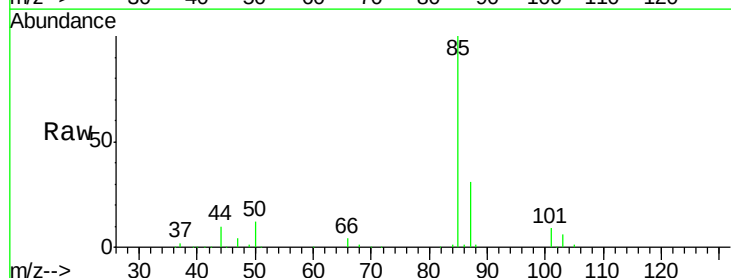
Acq: 23 Sep 2019 14:47

Tgt Ion: 85 Resp: 42514

Ion Ratio Lower Upper

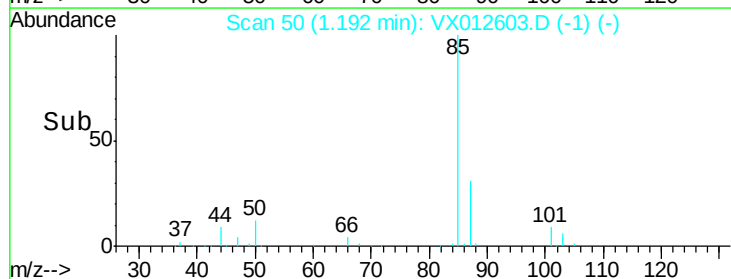
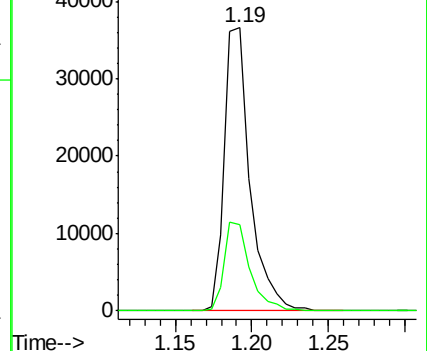
85 100

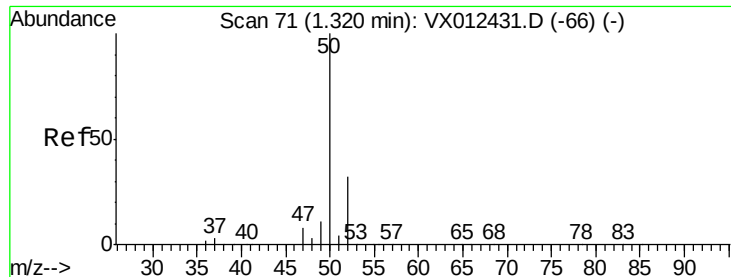
87 30.6 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 15.932 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012603.D

Acq: 23 Sep 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0923WBS01

Tot Ion: 50 Resp: 47116

Ion Ratio Lower Upper

50 100

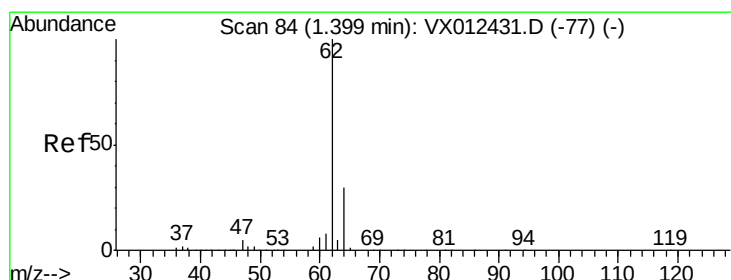
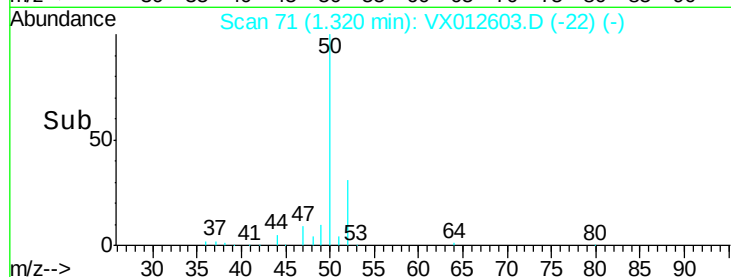
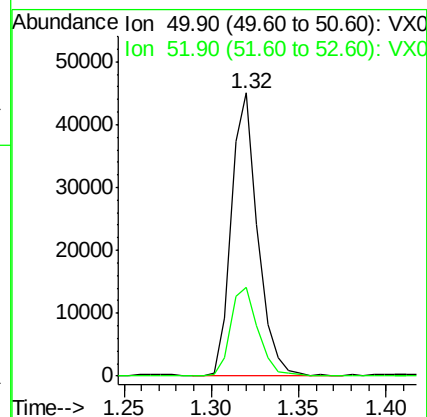
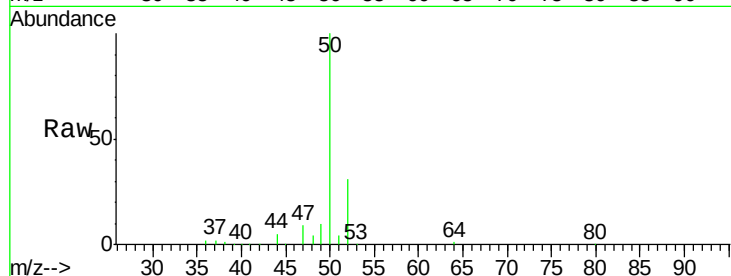
52 31.3 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.455 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012603.D

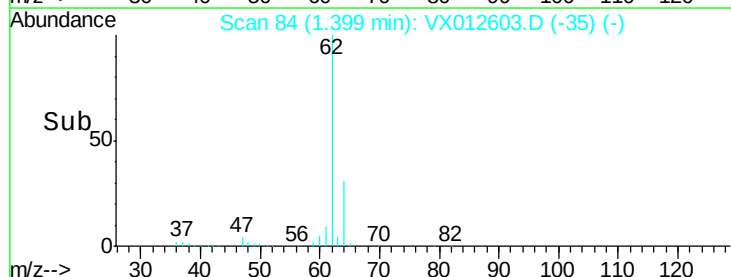
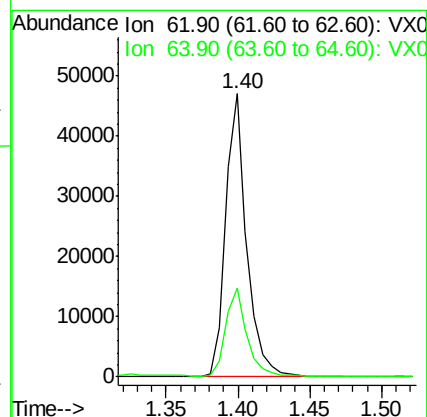
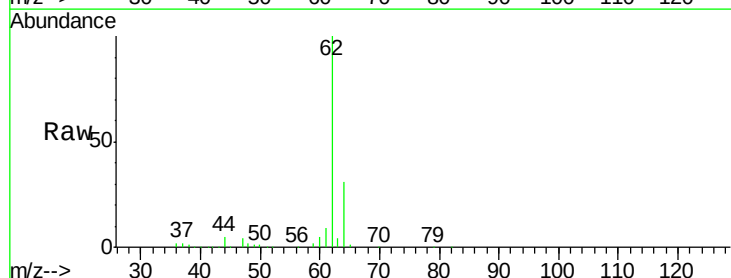
Acq: 23 Sep 2019 14:47

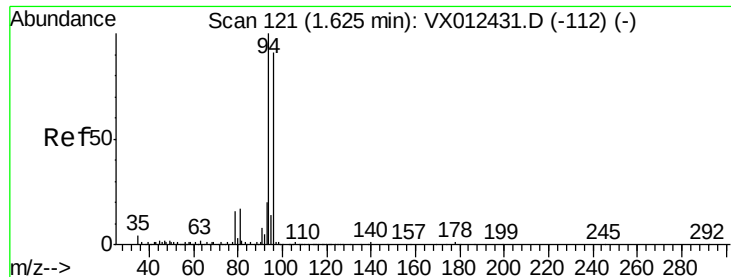
Tgt Ion: 62 Resp: 48369

Ion Ratio Lower Upper

62 100

64 31.1 24.2 36.2





#5

Bromomethane

Concen: 20.179 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012603.D

Acq: 23 Sep 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0923WBS01

Tot Ion: 94 Resp: 23321

Ion Ratio Lower Upper

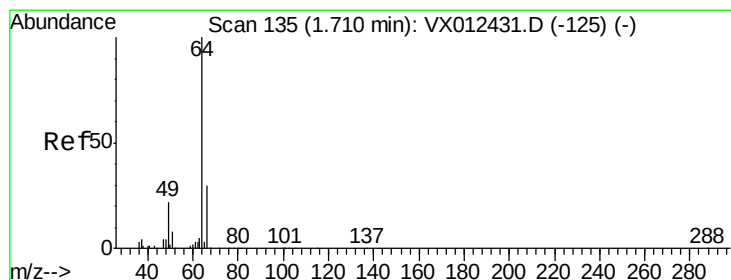
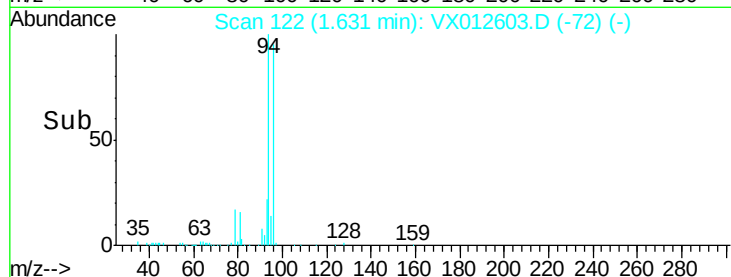
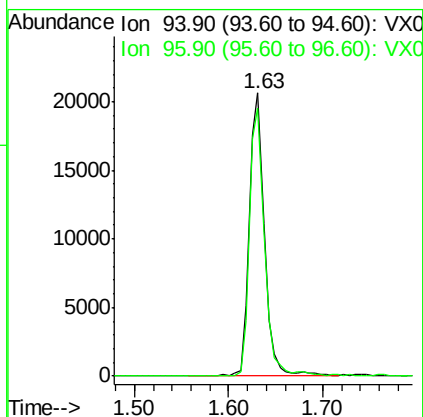
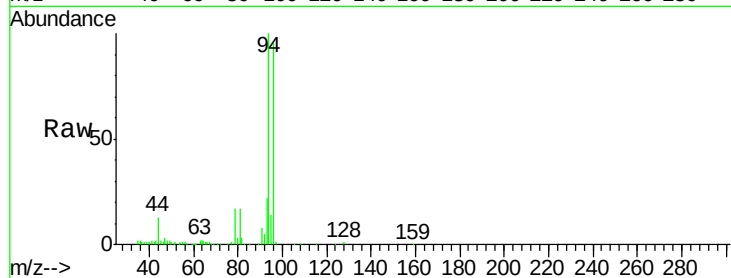
94 100

96 94.8 72.8 109.2

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#6

Chloroethane

Concen: 15.466 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012603.D

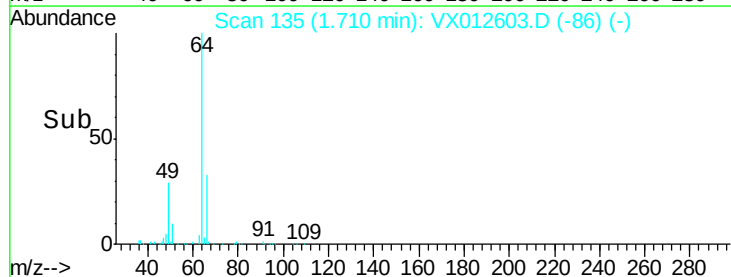
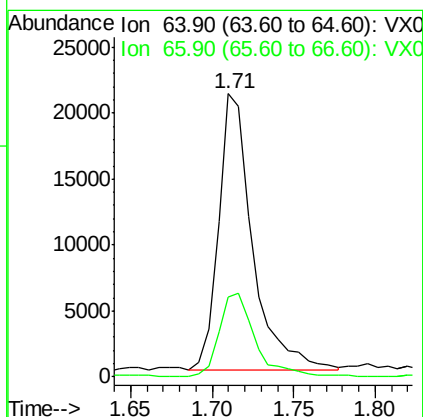
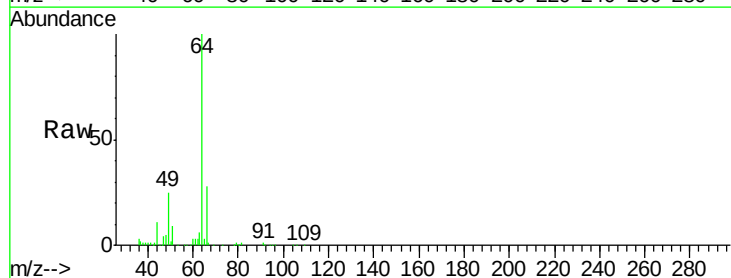
Acq: 23 Sep 2019 14:47

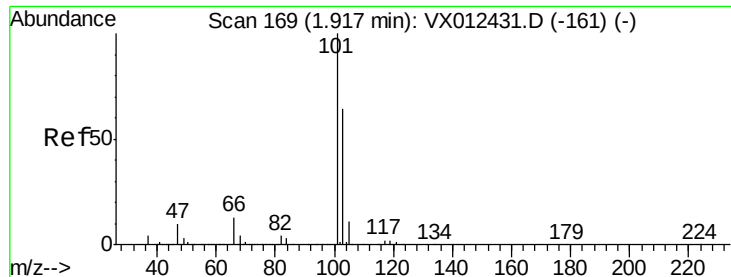
Tgt Ion: 64 Resp: 30647

Ion Ratio Lower Upper

64 100

66 28.9 24.0 36.0





#7

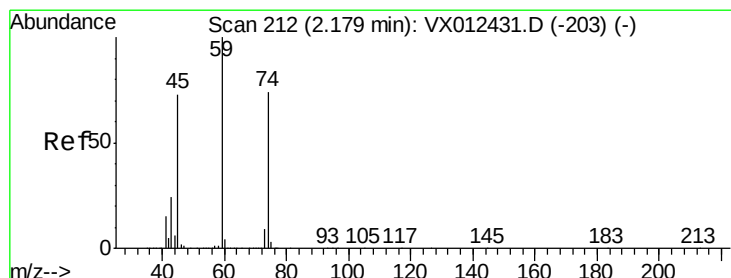
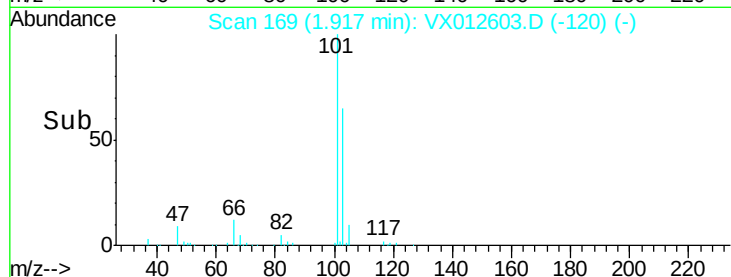
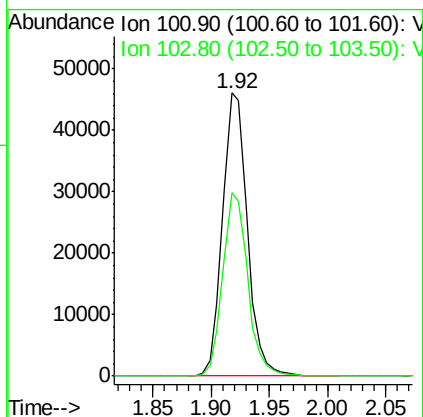
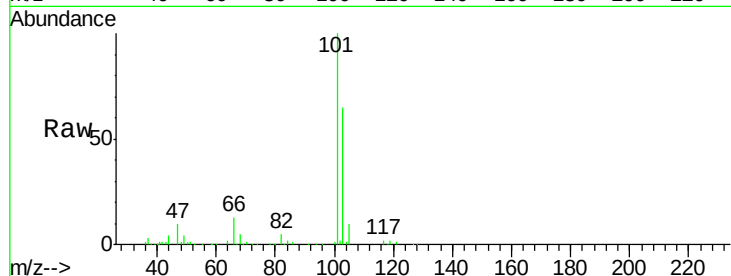
Trichlorofluoromethane
Concen: 16.522 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX012603.D
Acq: 23 Sep 2019 14:47

Instrument :
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ClientSampleId :
VX0923WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.0	76.4

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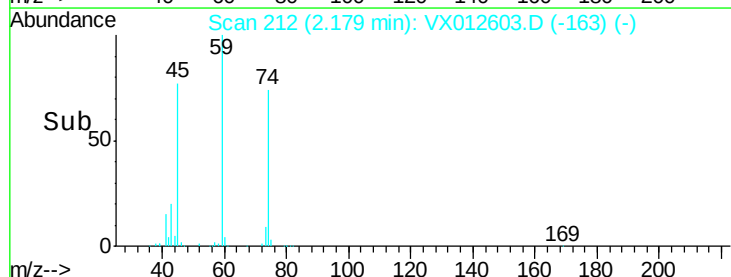
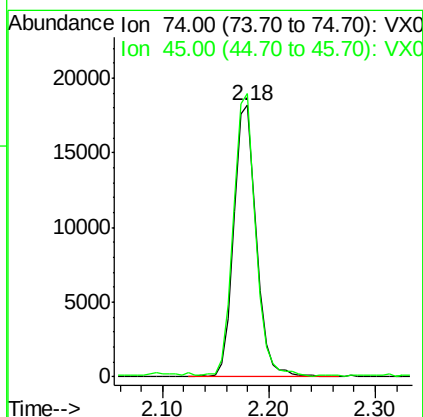
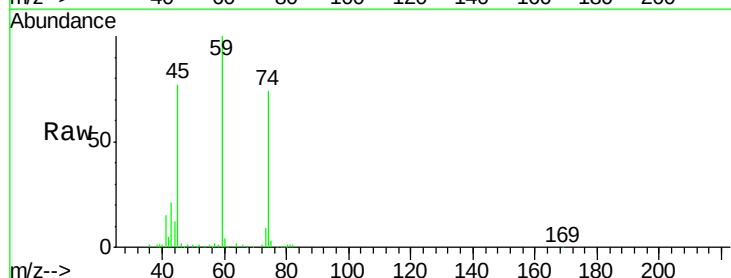
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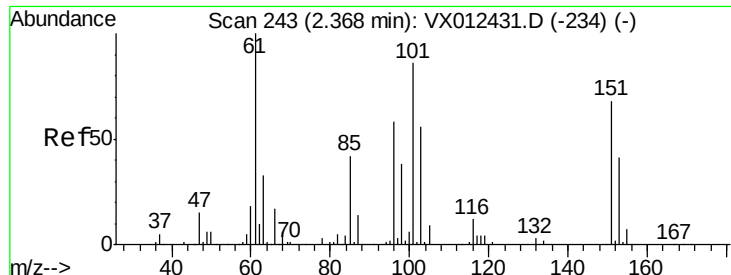


#8

Diethyl Ether
Concen: 16.055 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX012603.D
Acq: 23 Sep 2019 14:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.2	49.9	149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.408 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX012603.D

Acq: 23 Sep 2019 14:47

Instrument :

MSVOA_X

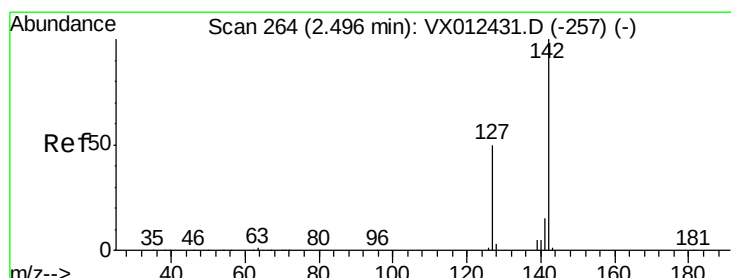
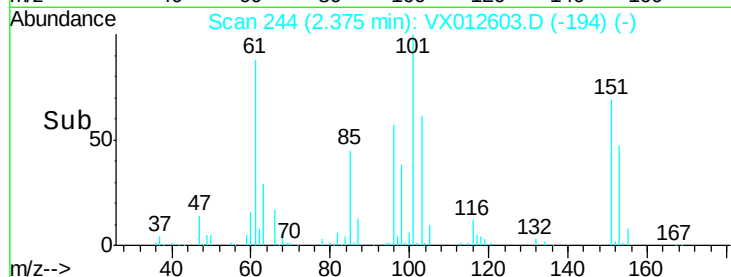
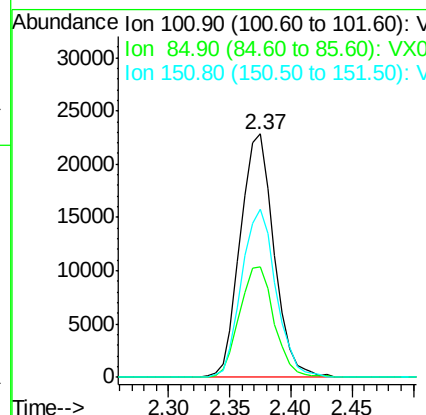
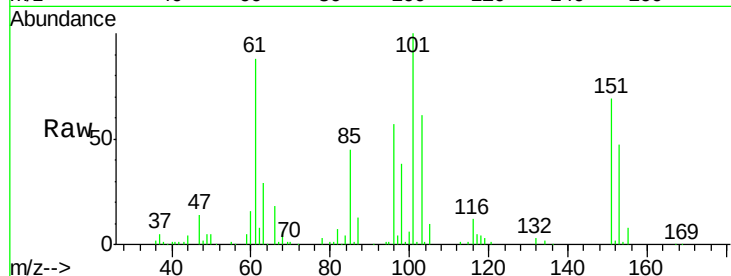
ClientSampleId :

VX0923WBS01

Tot Ion:	101	Resp:	43756
Ion Ratio	Lower	Upper	
101	100		
85	46.5	37.3	55.9
151	70.6	61.0	91.4

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#10

Methyl Iodide

Concen: 15.347 ug/l

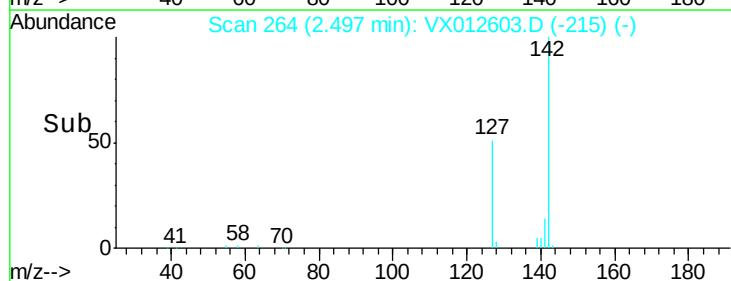
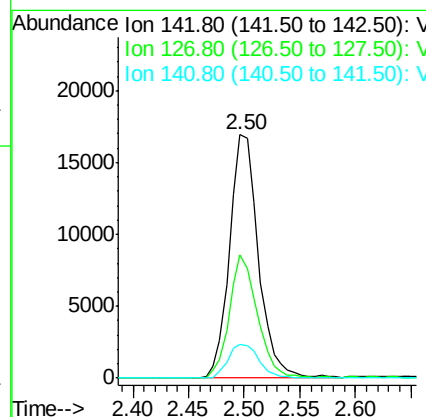
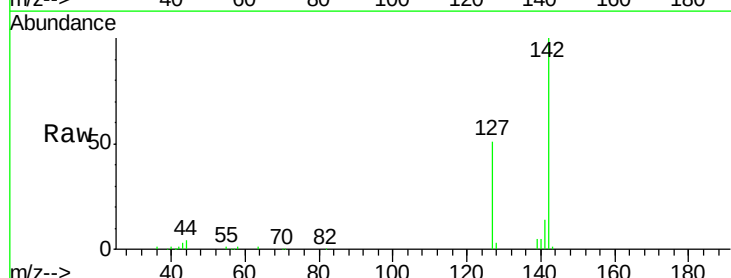
RT: 2.50 min Scan# 264

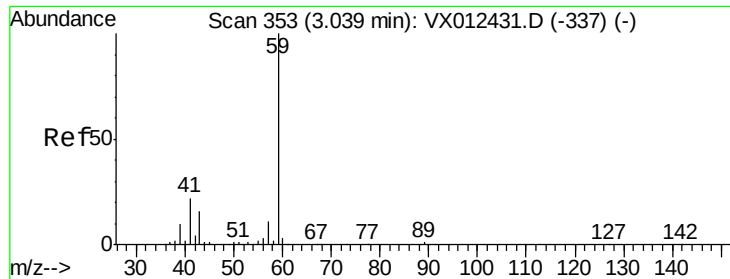
Delta R.T. 0.00 min

Lab File: VX012603.D

Acq: 23 Sep 2019 14:47

Tgt Ion:	142	Resp:	30549
Ion Ratio	Lower	Upper	
142	100		
127	48.9	40.8	61.2
141	14.5	12.1	18.1





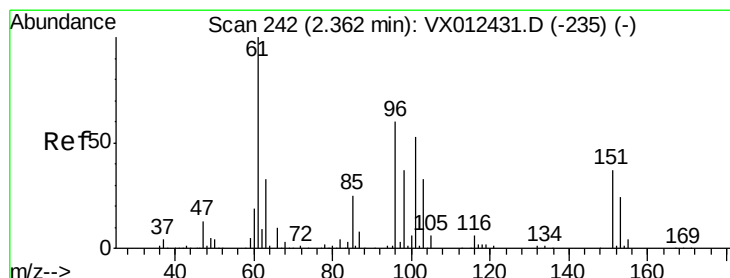
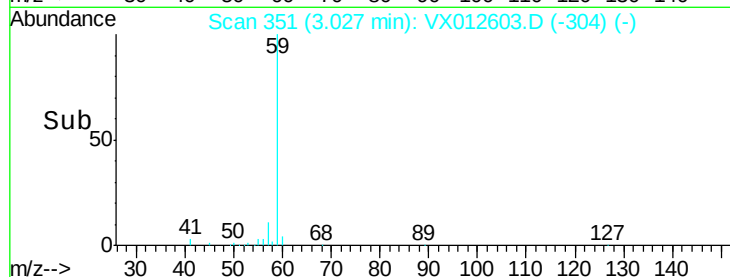
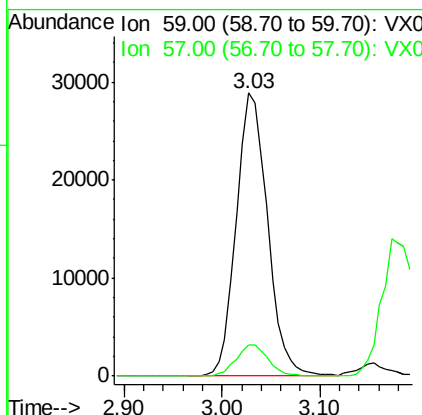
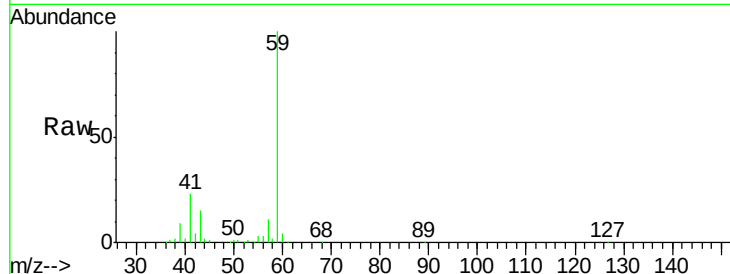
#11
Tert butyl alcohol
Concen: 77.428 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX012603.D
Acq: 23 Sep 2019 14:47

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBS01

Tot Ion: 59 Resp: 64478
Ion Ratio Lower Upper
59 100
57 11.2 8.3 12.5

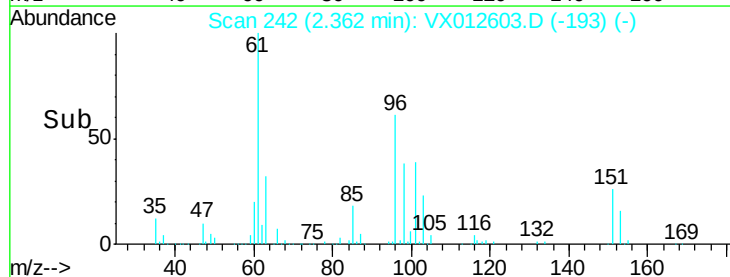
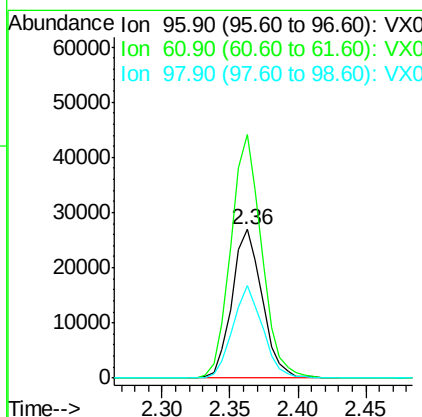
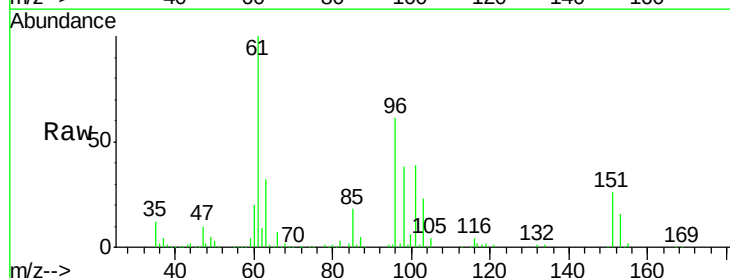
Manual Integrations
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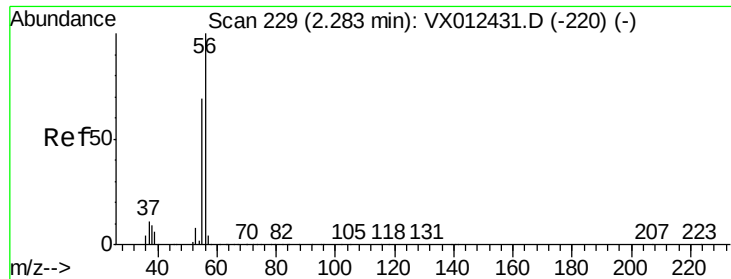
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#12
1,1-Dichloroethene
Concen: 16.929 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX012603.D
Acq: 23 Sep 2019 14:47

Tgt Ion: 96 Resp: 41669
Ion Ratio Lower Upper
96 100
61 164.0 133.8 200.6
98 62.1 49.9 74.9





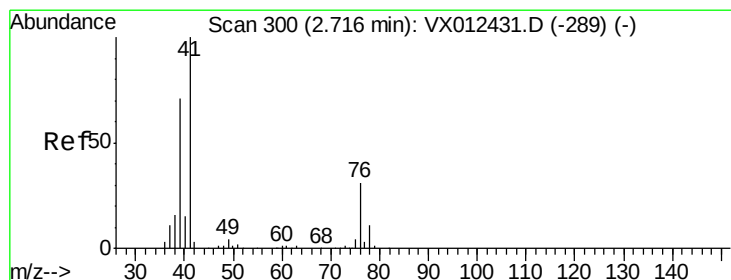
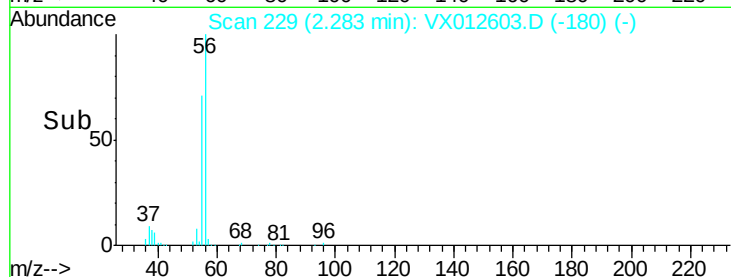
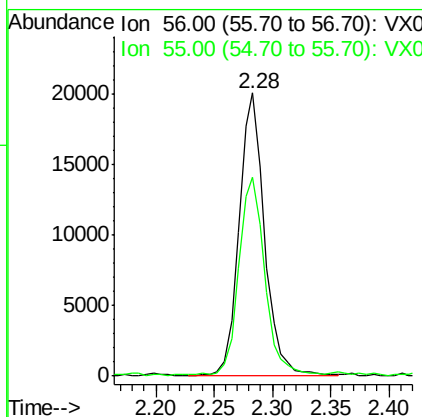
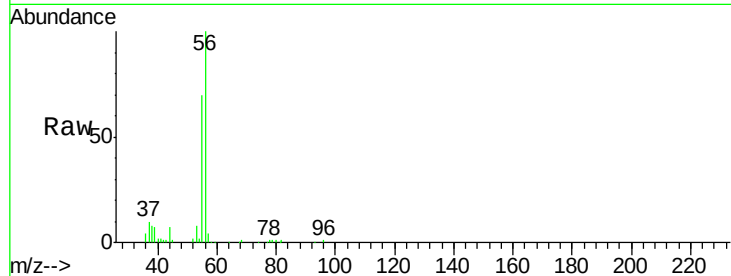
#13
Acrolein
Concen: 73.746 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX012603.D
Acq: 23 Sep 2019 14:47

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBS01

Tot Ion	56	Resp	30721
Ion Ratio	100	Lower	Upper
56	100		
55	71.5	55.8	83.8

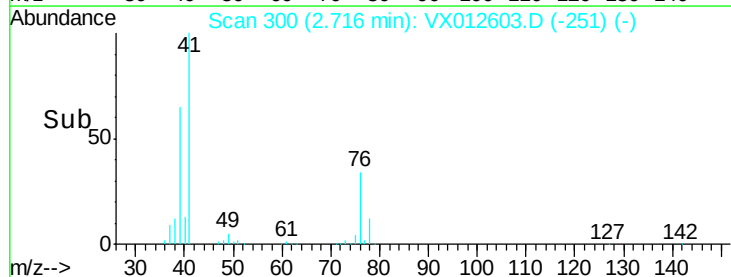
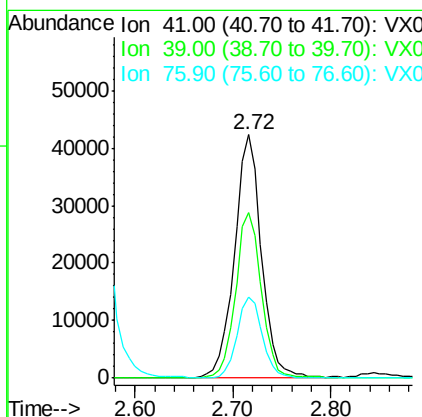
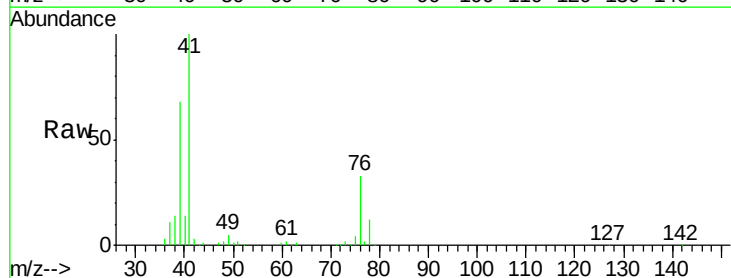
Manual Integrations
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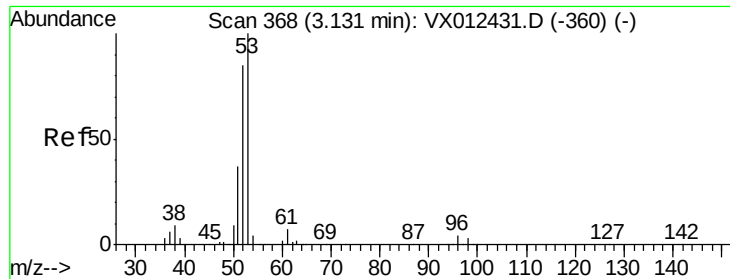
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#14
Allyl chloride
Concen: 16.553 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX012603.D
Acq: 23 Sep 2019 14:47

Tgt Ion	41	Resp	80835
Ion Ratio	100	Lower	Upper
41	100		
39	65.6	51.3	76.9
76	31.4	22.6	33.8





#15

Acrylonitrile

Concen: 80.334 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012603.D

Acq: 23 Sep 2019 14:47

Instrument :

MSVOA_X

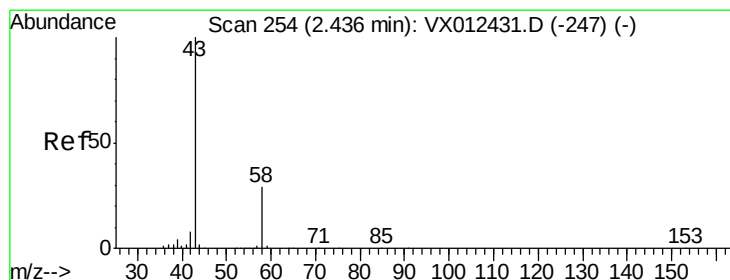
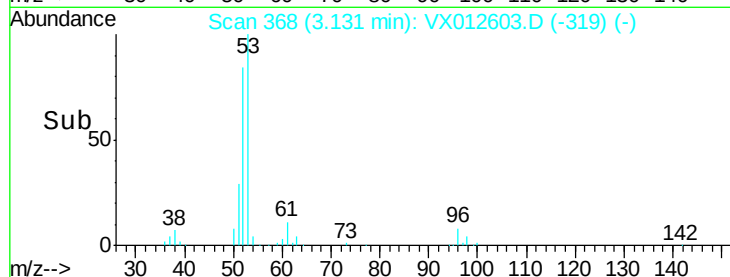
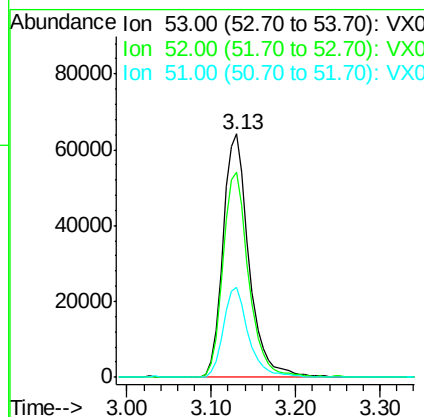
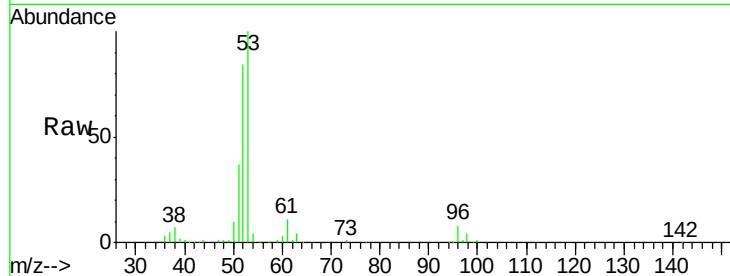
ClientSampleId :

VX0923WBS01

Tot Ion:	53	Resp:	135722
Ion Ratio	Lower	Upper	
53	100		
52	83.7	67.0	100.4
51	36.3	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 85.237 ug/l

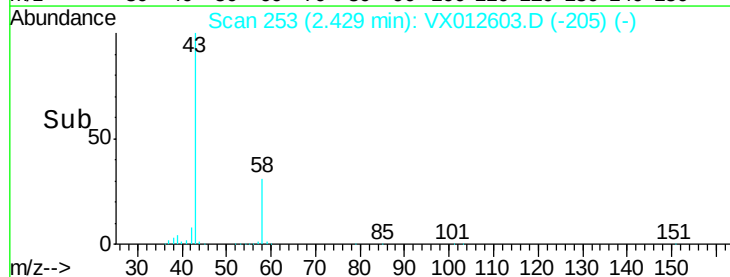
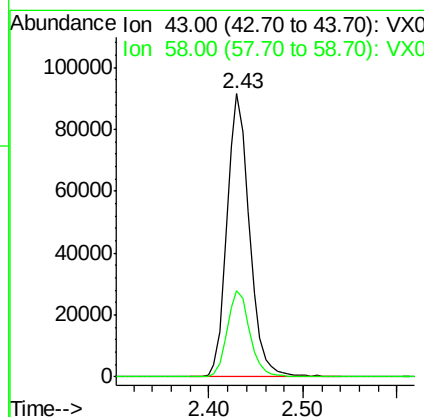
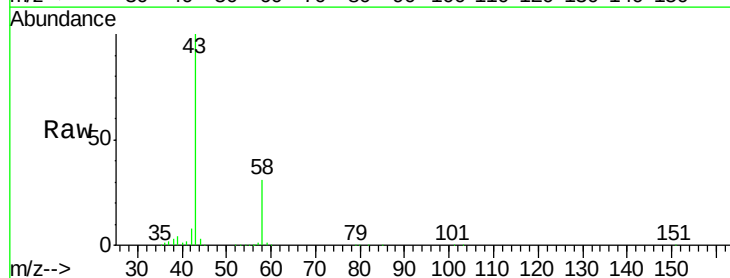
RT: 2.43 min Scan# 253

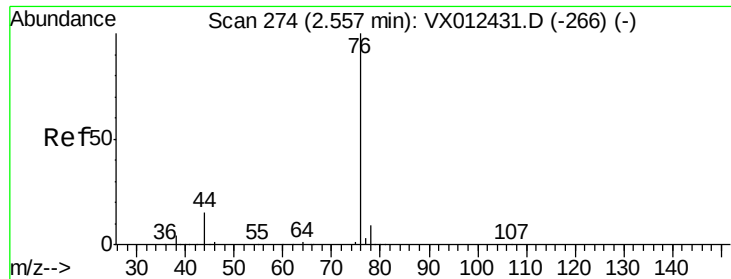
Delta R.T. -0.01 min

Lab File: VX012603.D

Acq: 23 Sep 2019 14:47

Tgt Ion:	43	Resp:	150507
Ion Ratio	Lower	Upper	
43	100		
58	30.6	23.3	34.9





#17

Carbon Disulfide

Concen: 16.132 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012603.D

Acq: 23 Sep 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0923WBS01

Tot Ion: 76 Resp: 111318

Ion Ratio Lower Upper

76 100

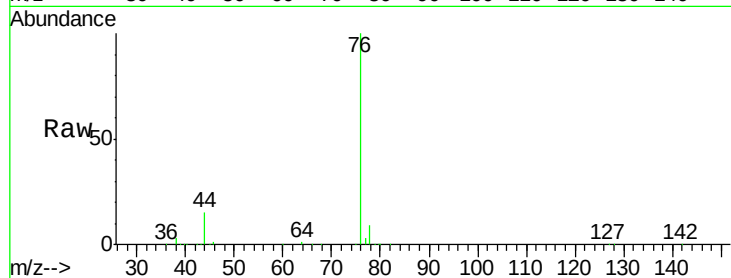
78 8.6 7.3 10.9

Manual Integrations

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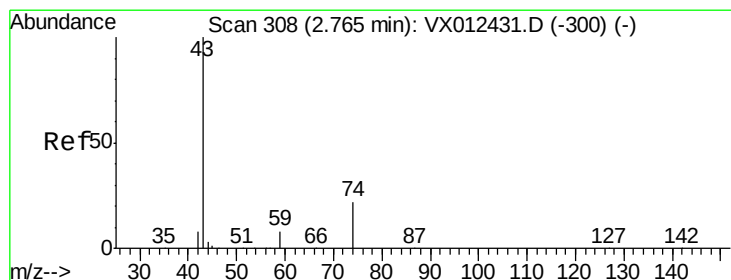
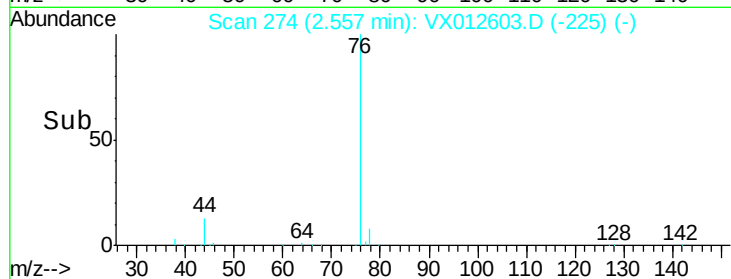
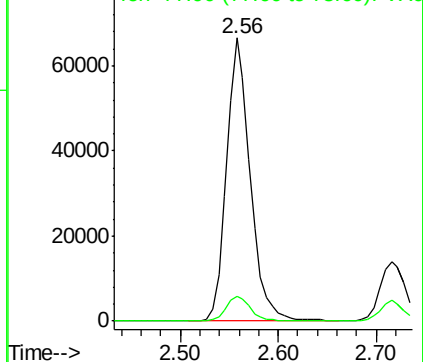
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 15.710 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX012603.D

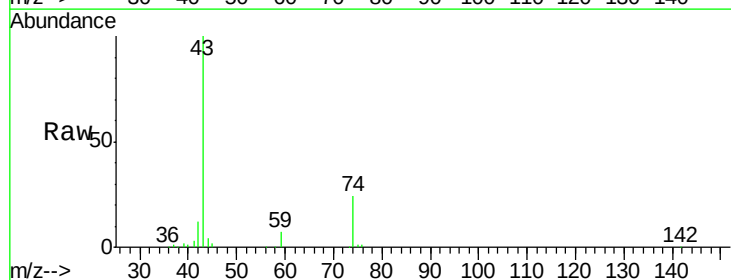
Acq: 23 Sep 2019 14:47

Tgt Ion: 43 Resp: 65317

Ion Ratio Lower Upper

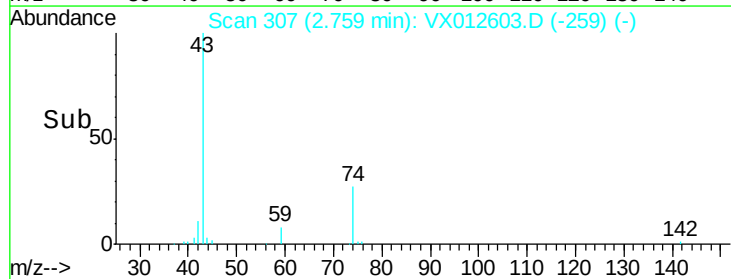
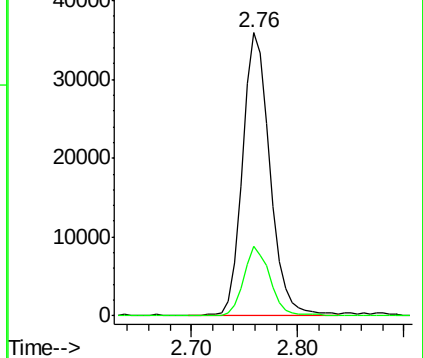
43 100

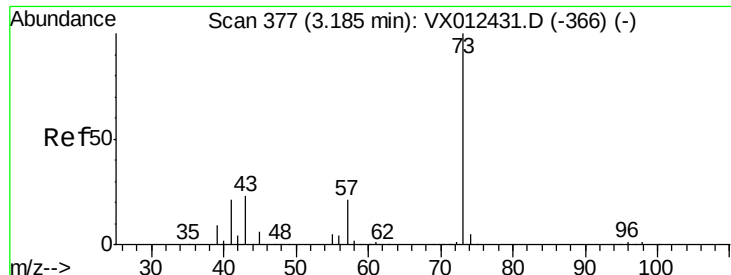
74 23.8 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





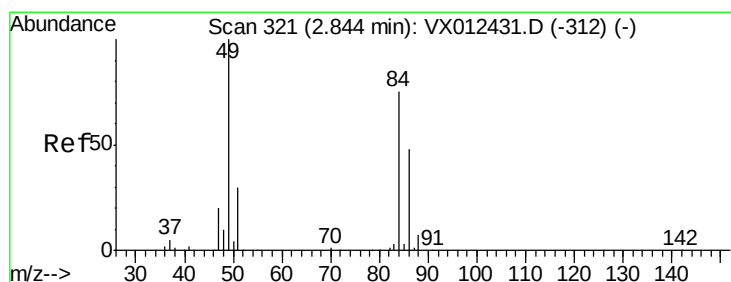
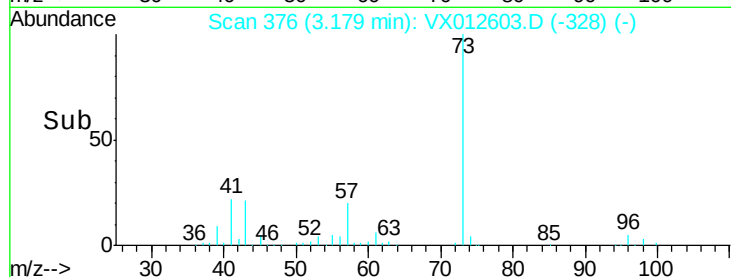
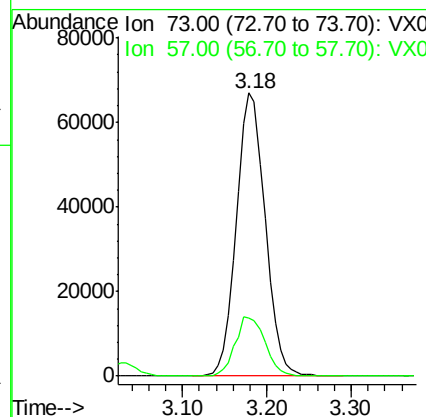
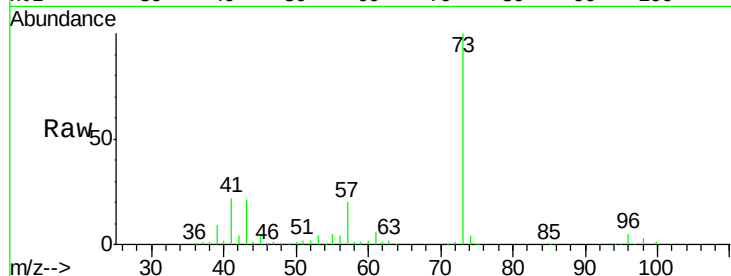
#19
Methyl tert-butyl Ether
Concen: 16.600 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX012603.D
Acq: 23 Sep 2019 14:47

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBS01

Tot Ion: 73 Resp: 154653
Ion Ratio Lower Upper
73 100
57 20.3 16.8 25.2

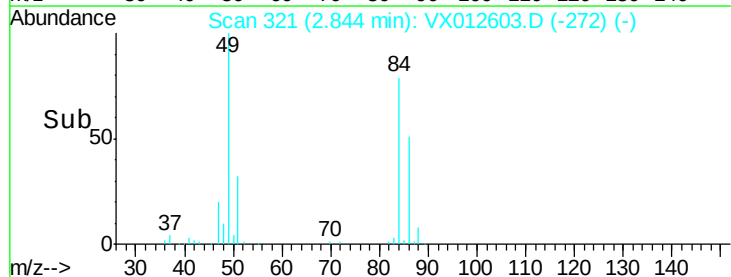
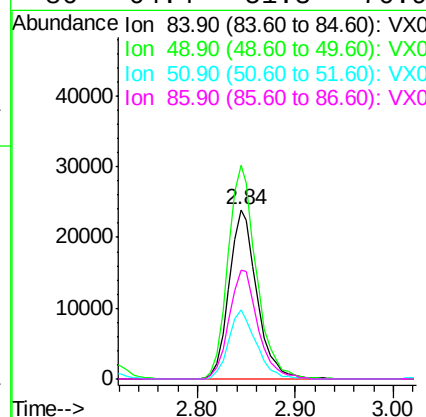
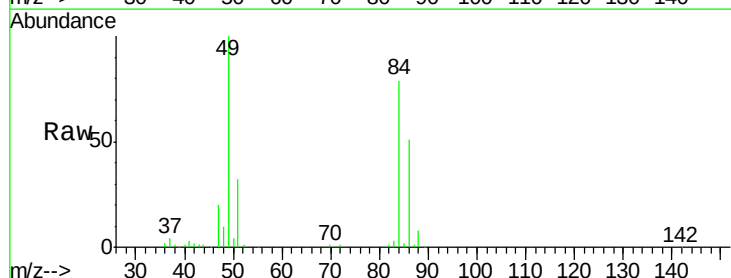
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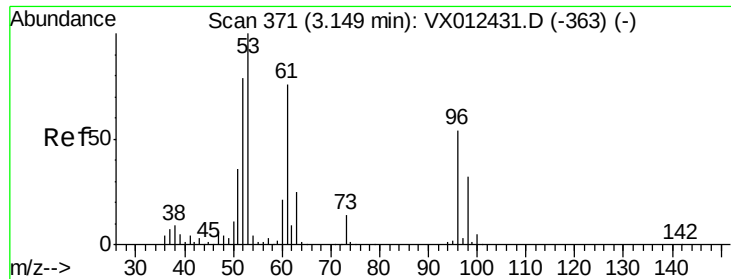
MMDadoda
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#20
Methylene Chloride
Concen: 15.781 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012603.D
Acq: 23 Sep 2019 14:47

Tgt Ion: 84 Resp: 47131
Ion Ratio Lower Upper
84 100
49 125.9 106.8 160.2
51 40.6 32.3 48.5
86 64.4 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 16.732 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012603.D

Acq: 23 Sep 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0923WBS01

Tot Ion: 96 Resp: 45625

Ion Ratio Lower Upper

96 100

61 136.9 112.0 168.0

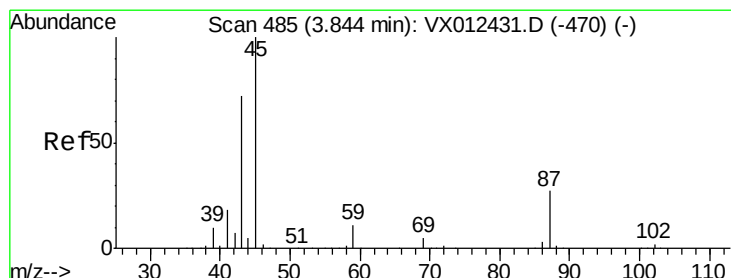
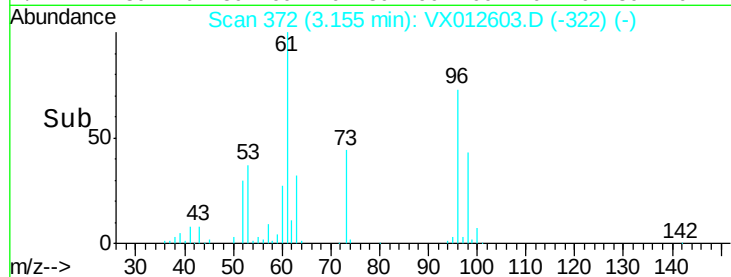
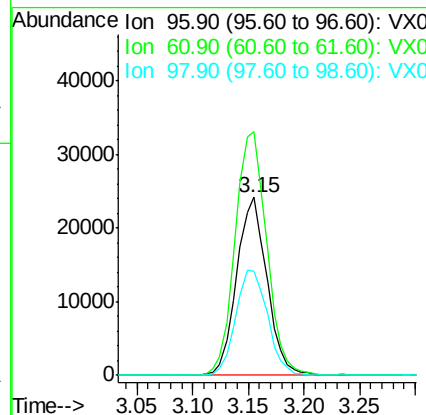
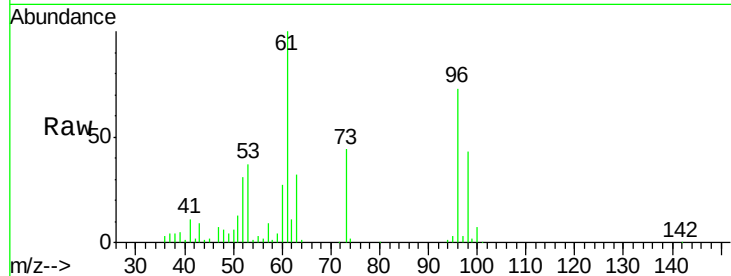
98 58.3 47.8 71.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 16.330 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.01 min

Lab File: VX012603.D

Acq: 23 Sep 2019 14:47

Tgt Ion: 45 Resp: 154087

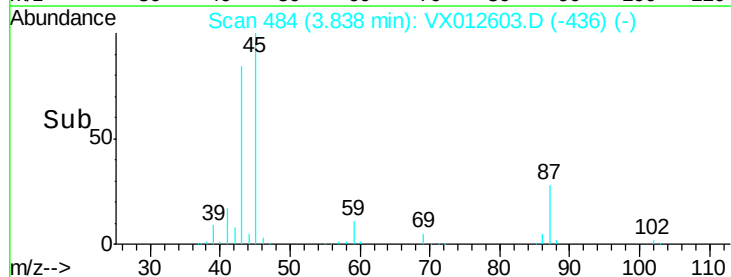
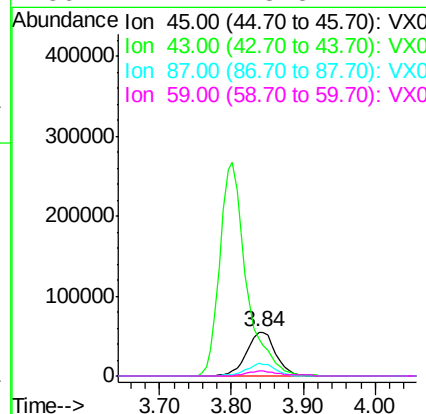
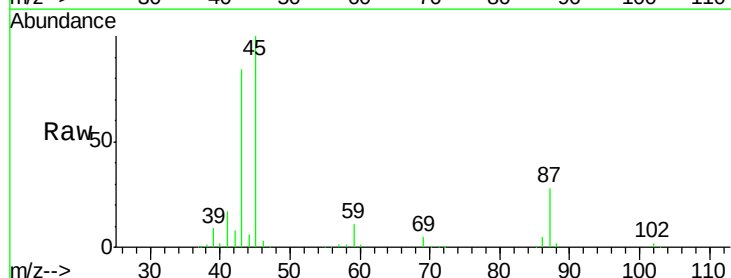
Ion Ratio Lower Upper

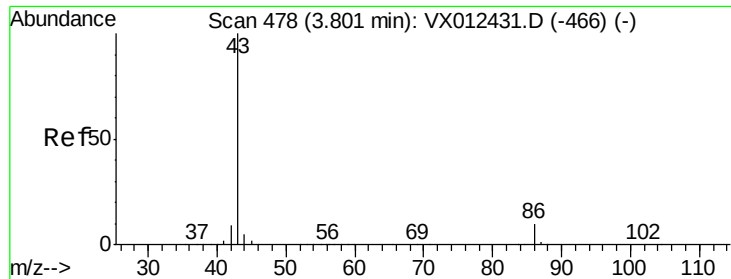
45 100

43 84.1 57.8 86.8

87 27.9 21.3 31.9

59 11.1 8.5 12.7





#23

Vinyl Acetate

Concen: 82.605 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012603.D

Acq: 23 Sep 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0923WBS01

Tot Ion: 43 Resp: 683543

Ion Ratio Lower Upper

43 100

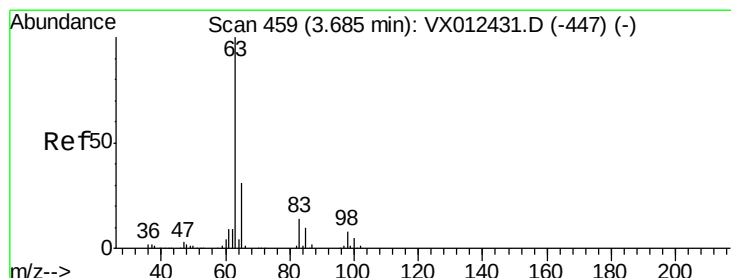
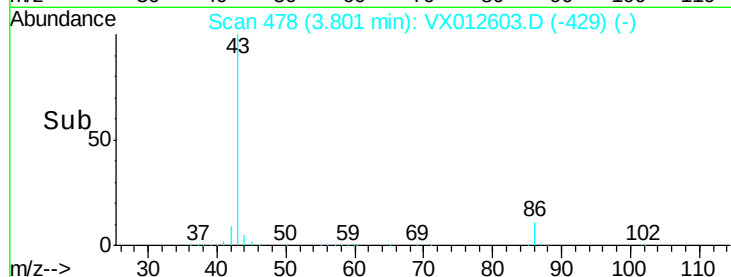
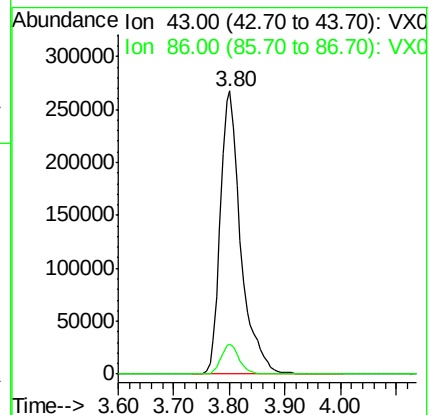
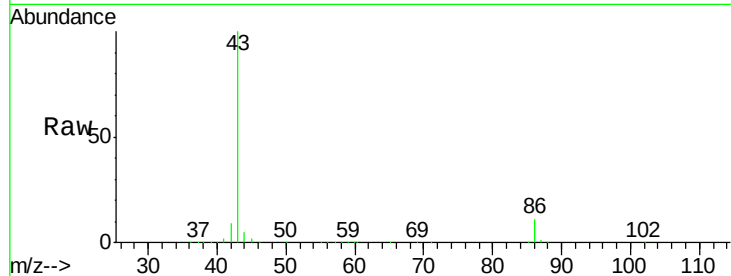
86 10.5 7.8 11.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 16.318 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012603.D

Acq: 23 Sep 2019 14:47

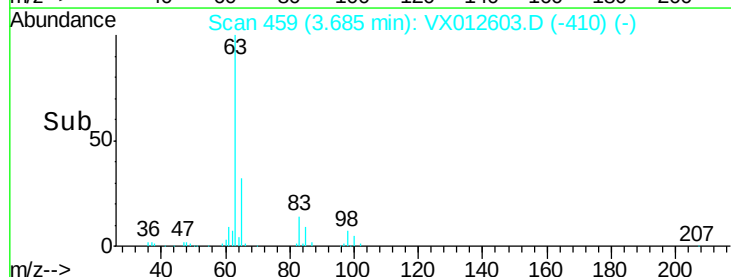
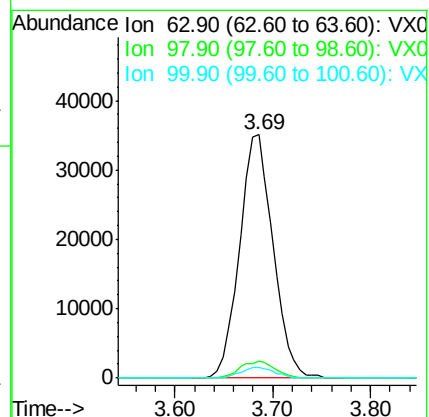
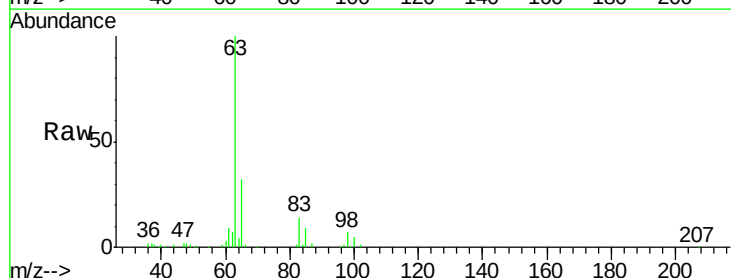
Tgt Ion: 63 Resp: 83696

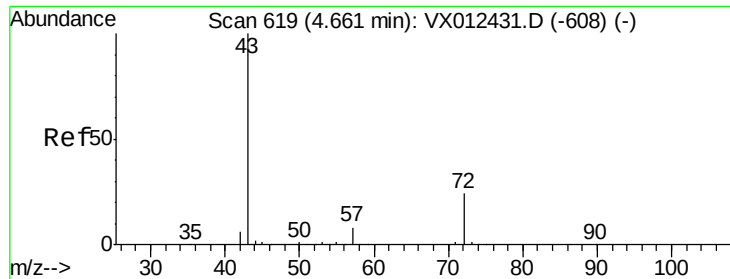
Ion Ratio Lower Upper

63 100

98 6.9 3.9 11.7

100 4.6 2.3 6.9





#25

2-Butanone

Concen: 81.930 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX012603.D

Acq: 23 Sep 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0923WBS01

Tot Ion: 43 Resp: 207431

Ion Ratio Lower Upper

43 100

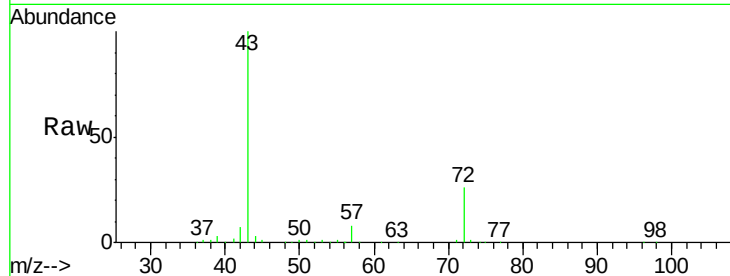
72 26.4 19.2 28.8

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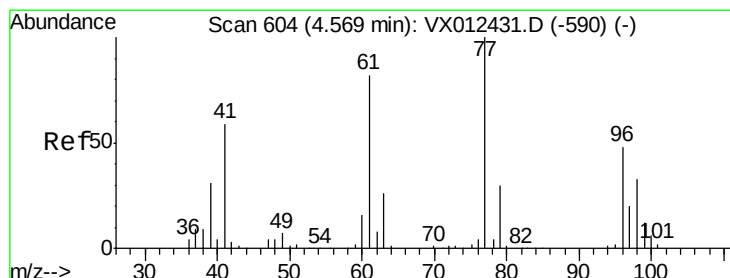
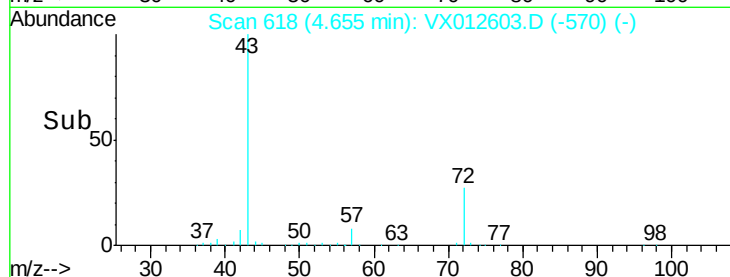
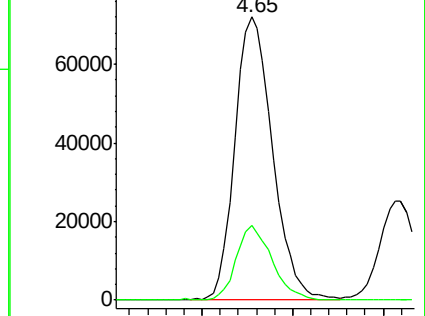
MMDadoda

9/24/2019 10:06:05 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 16.770 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012603.D

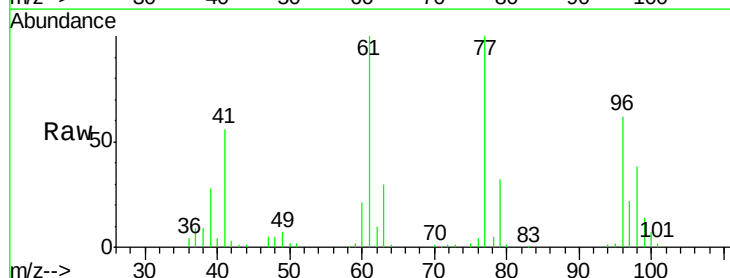
Acq: 23 Sep 2019 14:47

Tgt Ion: 77 Resp: 76501

Ion Ratio Lower Upper

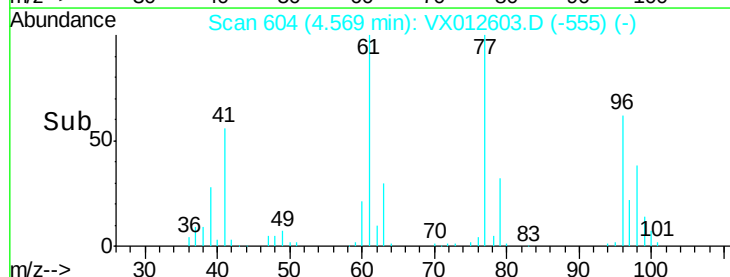
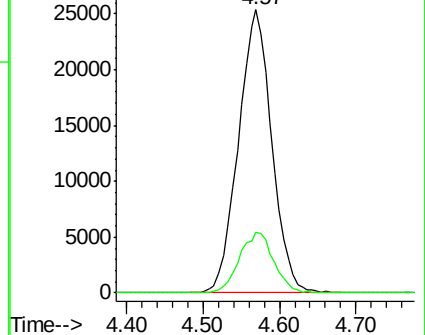
77 100

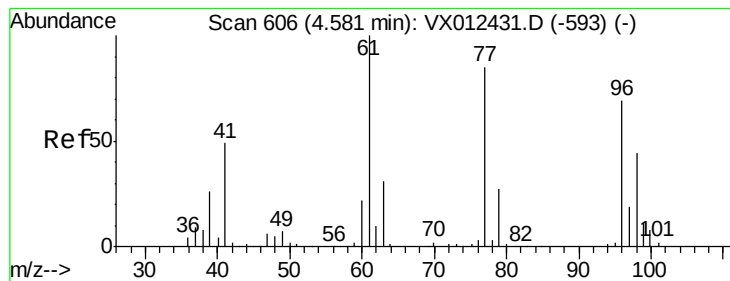
97 22.1 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

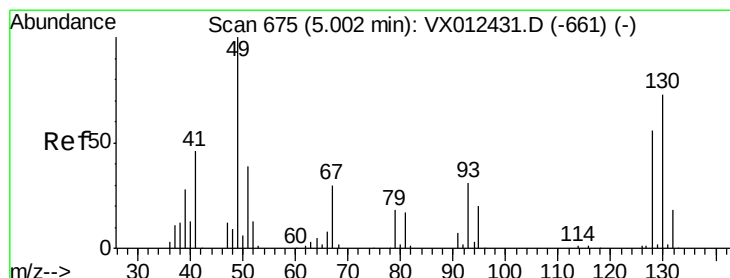
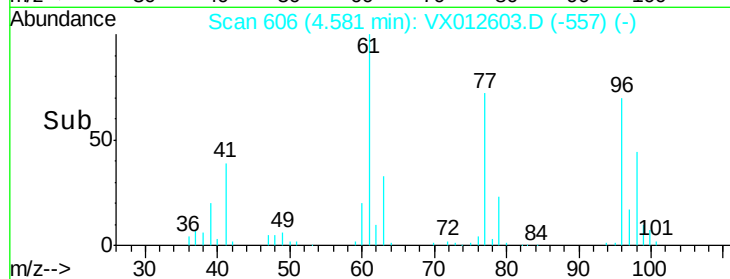
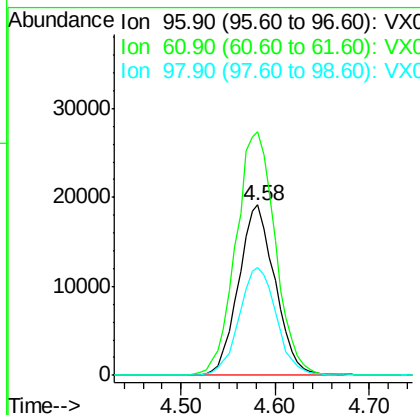
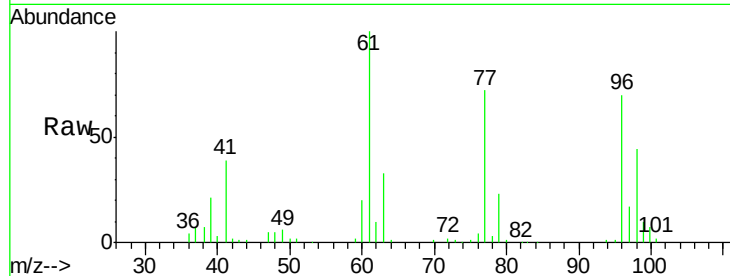
cis-1,2-Dichloroethene
Concen: 16.391 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX012603.D
Acq: 23 Sep 2019 14:47

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.3	0.0	319.4
98	64.4	0.0	130.6

Manual Integrations
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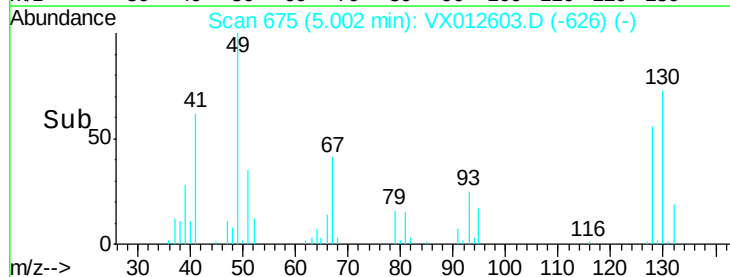
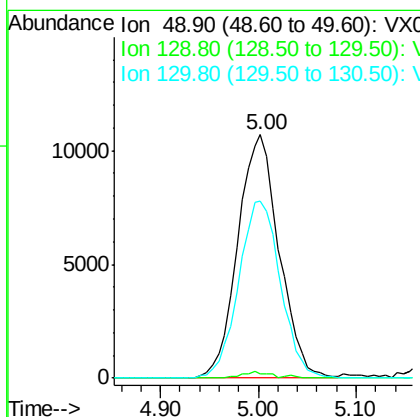
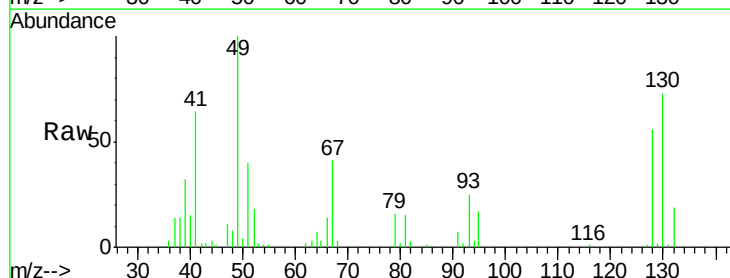
MMDadoda
9/24/2019 10:06:05 AM

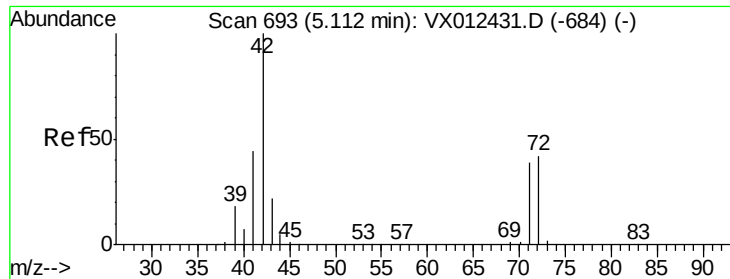


#28

Bromochloromethane
Concen: 16.845 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX012603.D
Acq: 23 Sep 2019 14:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.8
130	73.5	58.2	87.4





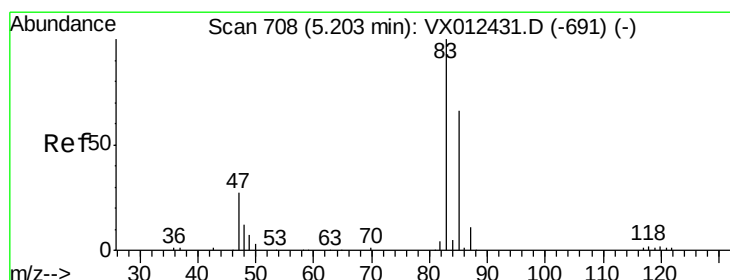
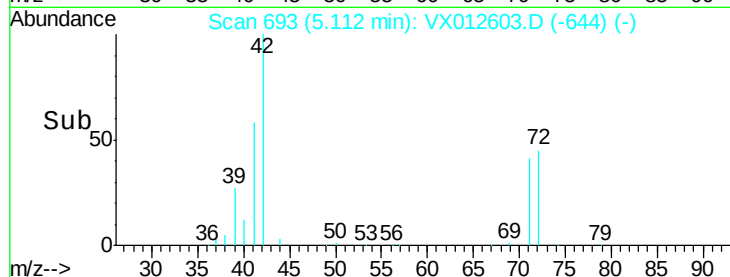
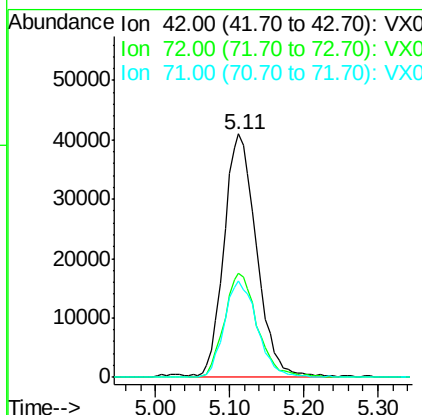
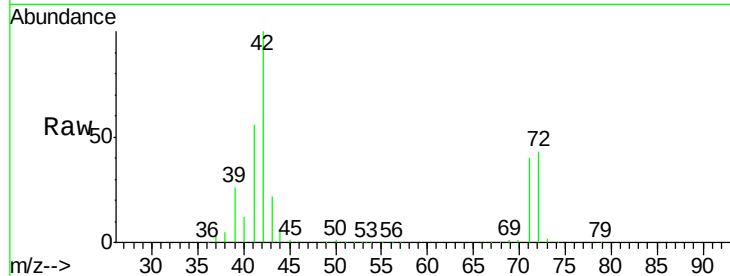
#29
Tetrahydrofuran
Concen: 80.209 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.00 min
Lab File: VX012603.D
Acq: 23 Sep 2019 14:47

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	34.0	51.0
71	40.5	31.5	47.3

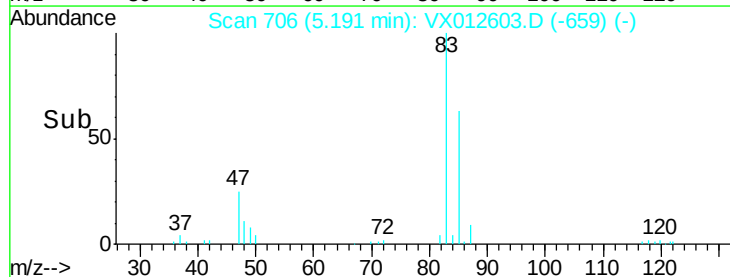
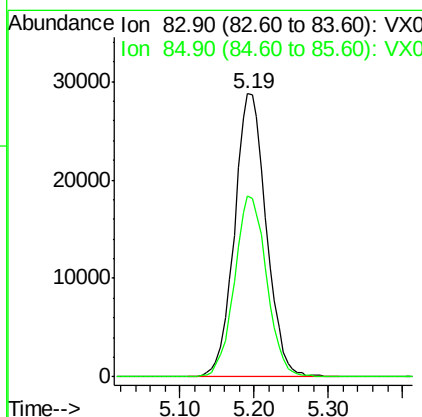
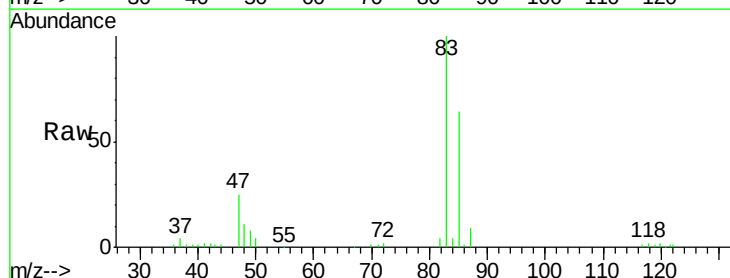
Manual Integrations
APPROVED

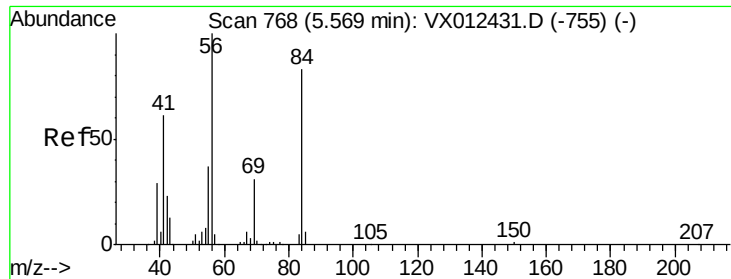
MMDadoda
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#30
Chloroform
Concen: 16.381 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.01 min
Lab File: VX012603.D
Acq: 23 Sep 2019 14:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	53.0	79.4





#31

Cyclohexane

Concen: 17.139 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX012603.D

Acq: 23 Sep 2019 14:47

Instrument :

MSVOA_X

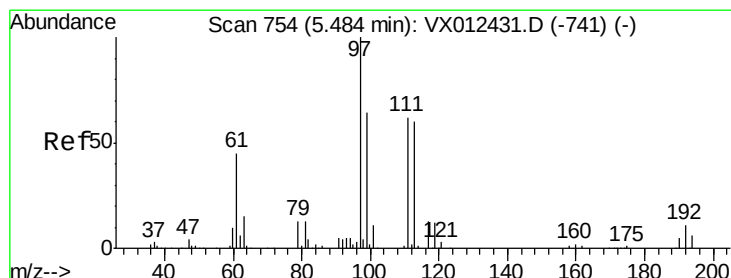
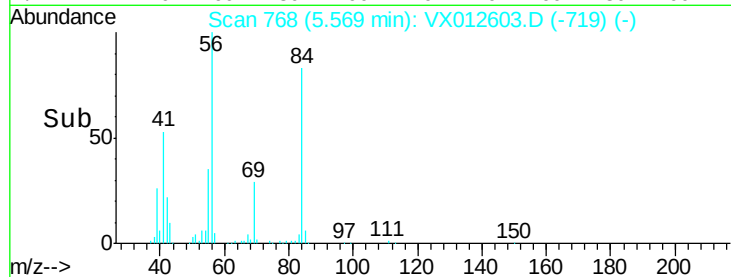
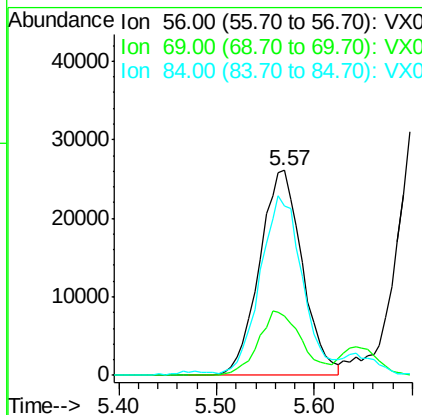
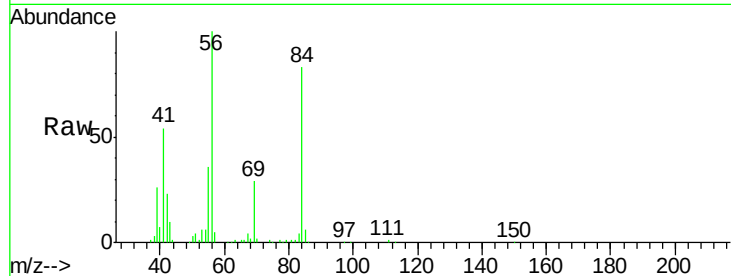
ClientSampleId :

VX0923WBS01

Tot Ion:	56	Resp:	79530
Ion Ratio	Lower	Upper	
56	100		
69	29.0	25.0	37.6
84	81.2	66.4	99.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 16.348 ug/l

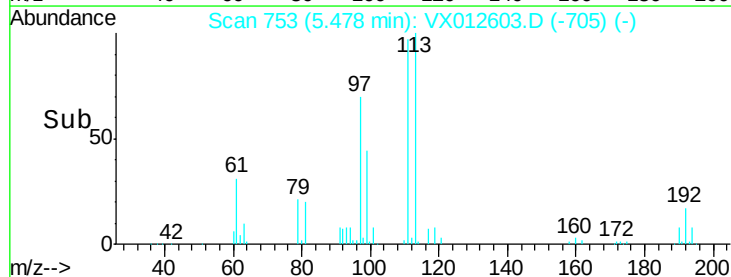
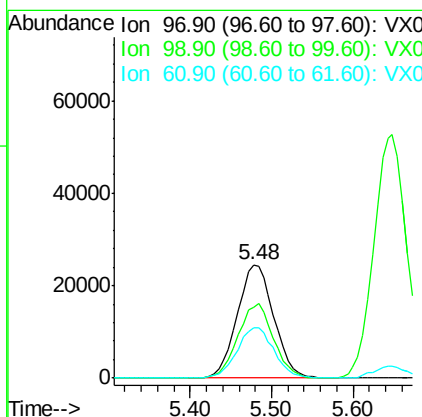
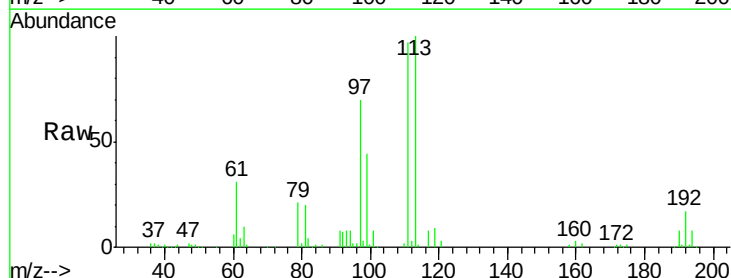
RT: 5.48 min Scan# 753

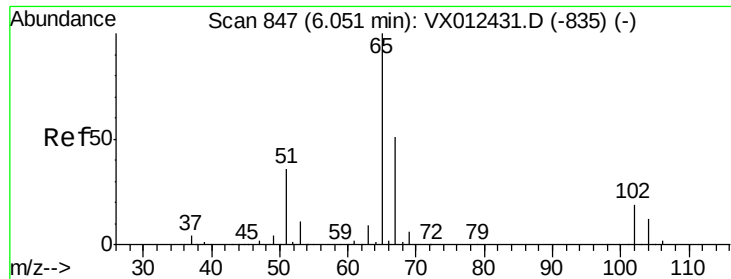
Delta R.T. -0.01 min

Lab File: VX012603.D

Acq: 23 Sep 2019 14:47

Tgt Ion:	97	Resp:	76031
Ion Ratio	Lower	Upper	
97	100		
99	64.2	51.3	76.9
61	44.9	36.1	54.1





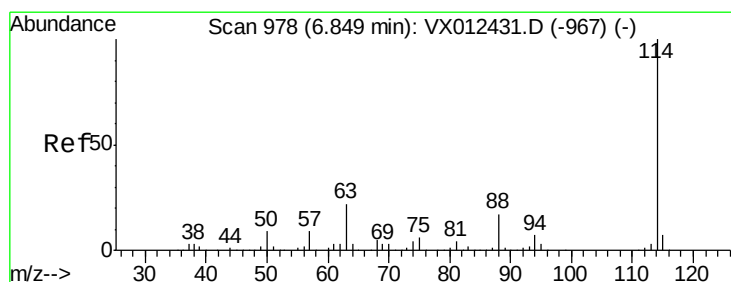
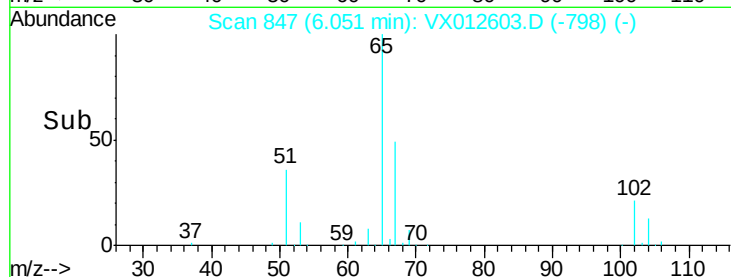
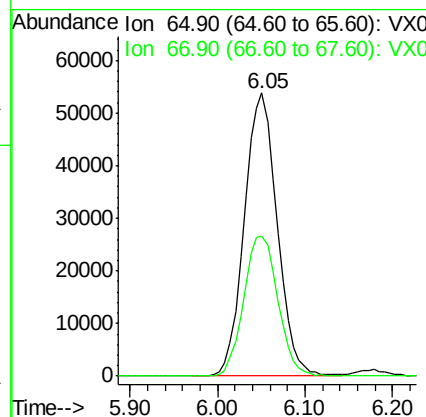
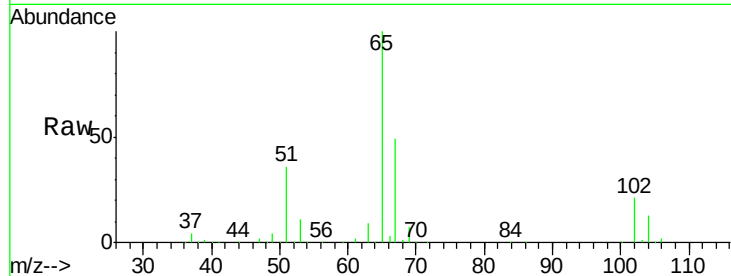
#33
 1,2-Dichloroethane-d4
 Concen: 42.128 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012603.D
 Acq: 23 Sep 2019 14:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0923WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	140439		
67	51.5	0.0	101.2	

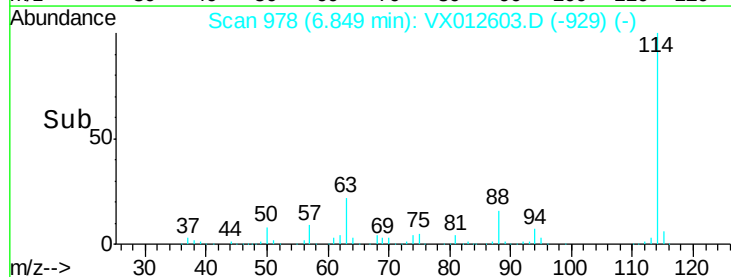
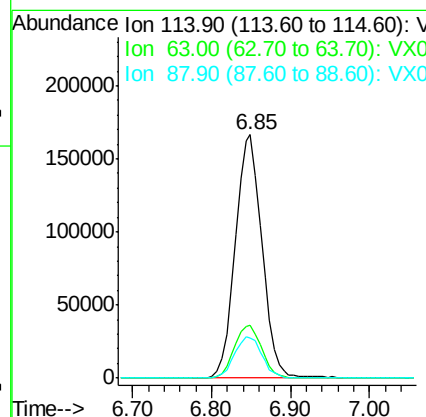
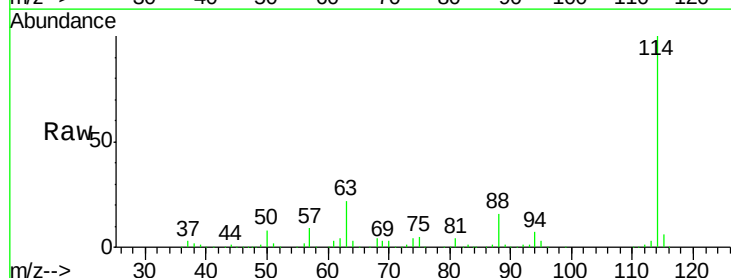
Manual Integrations
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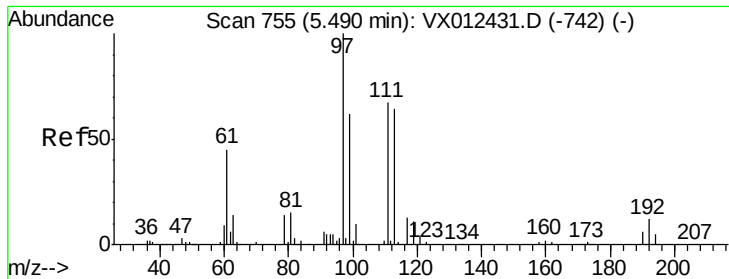
MMDadoda
 9/24/2019 10:06:05 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012603.D
 Acq: 23 Sep 2019 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	391314		
63	21.6	0.0	43.2	
88	16.4	0.0	33.2	





#35

Dibromofluoromethane

Concen: 44.874 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX012603.D

Acq: 23 Sep 2019 14:47

Instrument :

MSVOA_X

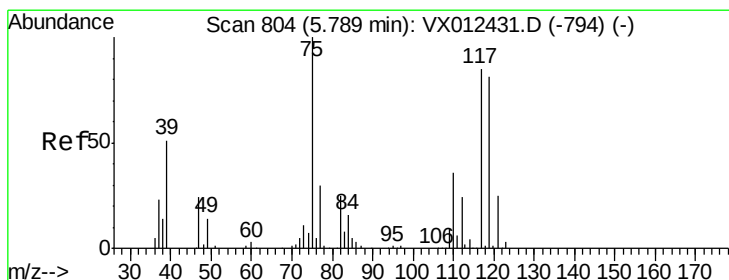
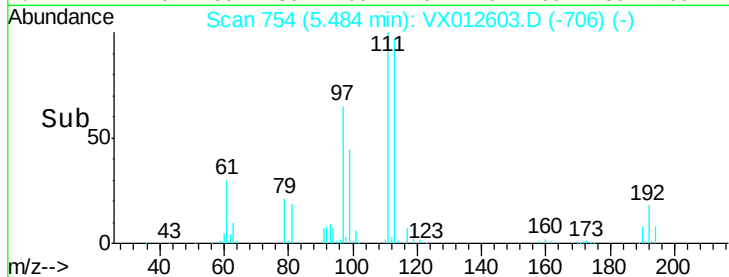
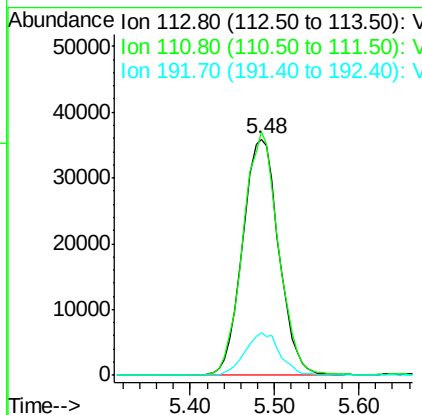
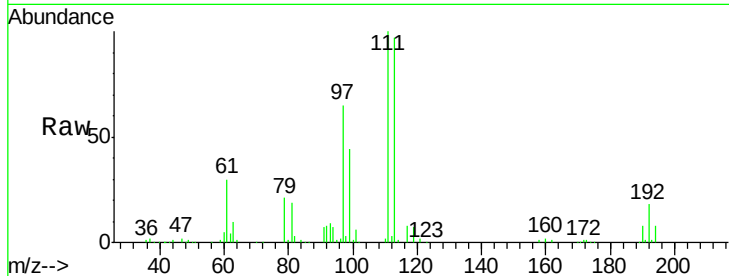
ClientSampleId :

VX0923WBS01

Tot Ion:	113	Resp:	104577
Ion Ratio	Lower	Upper	
113	100		
111	101.2	83.4	125.2
192	17.3	14.4	21.6

Manual Integrations
APPROVED

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9/24/2019 10:06:05 AM



#36

1,1-Dichloropropene

Concen: 16.980 ug/l

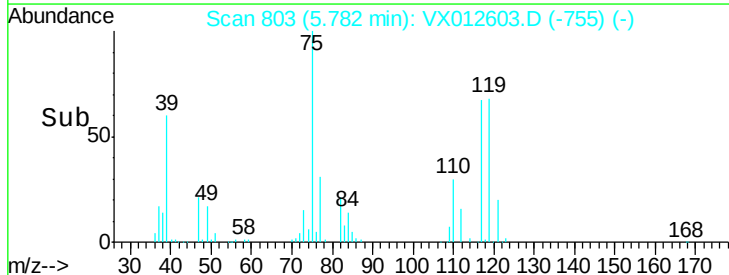
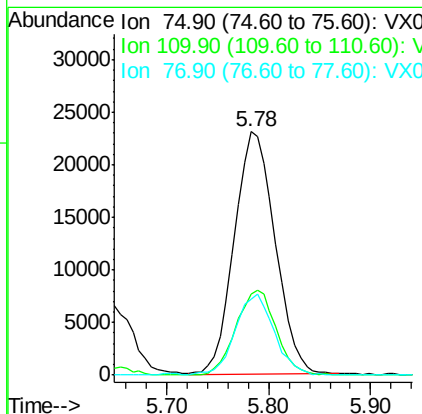
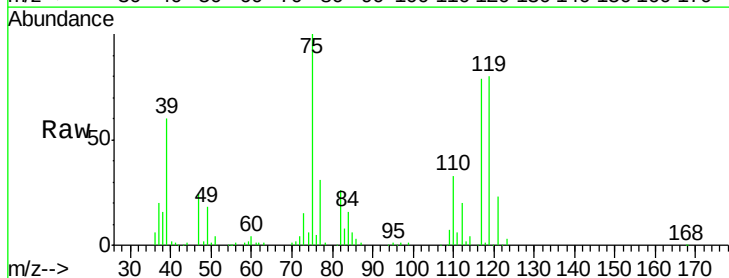
RT: 5.78 min Scan# 803

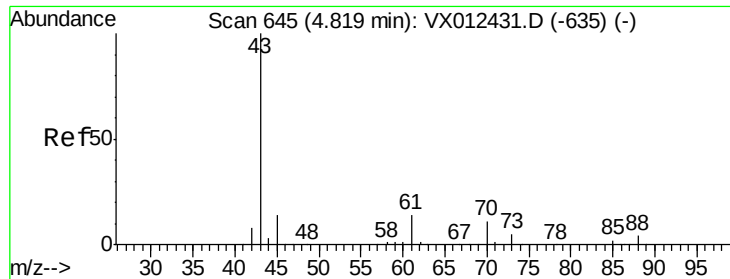
Delta R.T. -0.01 min

Lab File: VX012603.D

Acq: 23 Sep 2019 14:47

Tgt Ion:	75	Resp:	64045
Ion Ratio	Lower	Upper	
75	100		
110	34.6	16.7	50.0
77	32.1	24.2	36.2





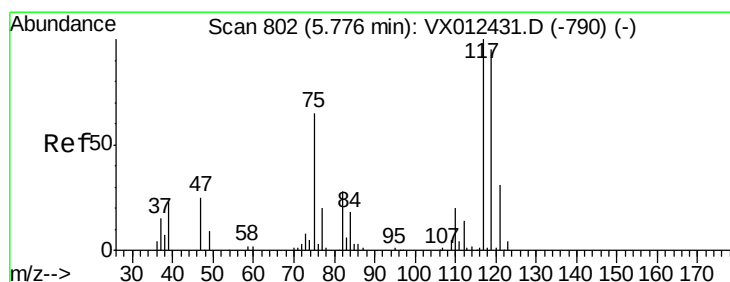
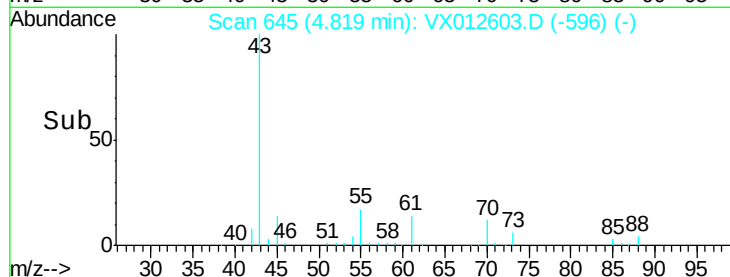
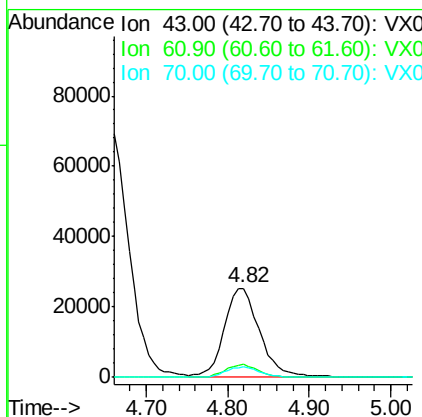
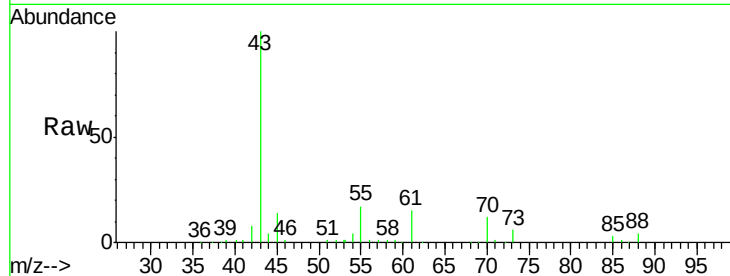
#37
Ethyl Acetate
Concen: 16.868 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX012603.D
Acq: 23 Sep 2019 14:47

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.2	15.4
70	11.6	8.7	13.1

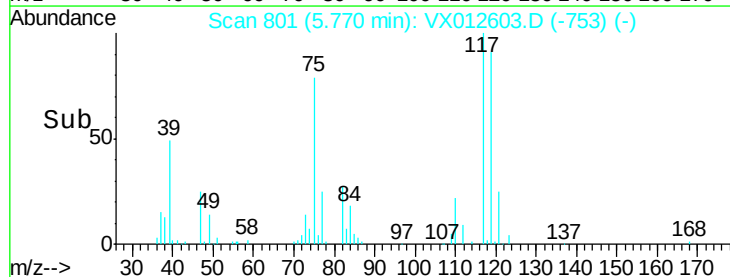
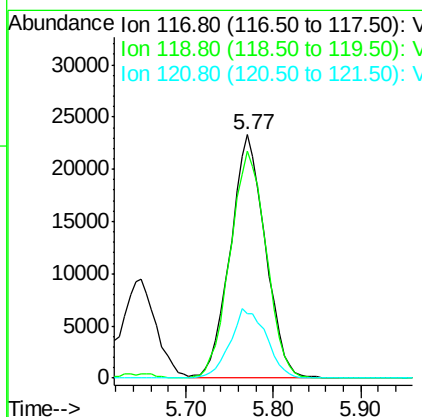
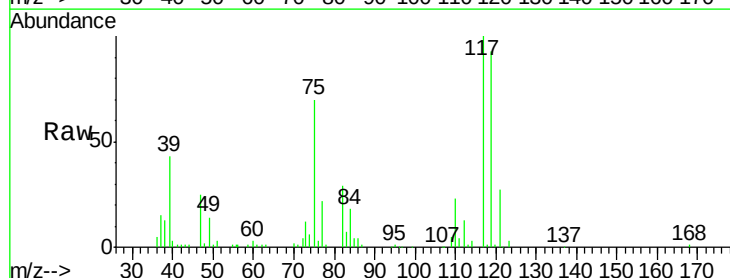
Manual Integrations
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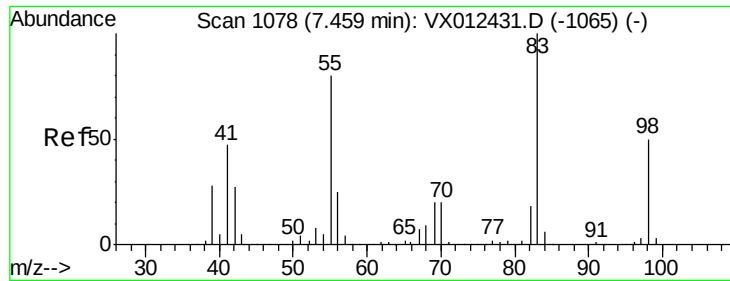
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#38
Carbon Tetrachloride
Concen: 16.942 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX012603.D
Acq: 23 Sep 2019 14:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	75.7	113.5
121	26.5	24.2	36.4





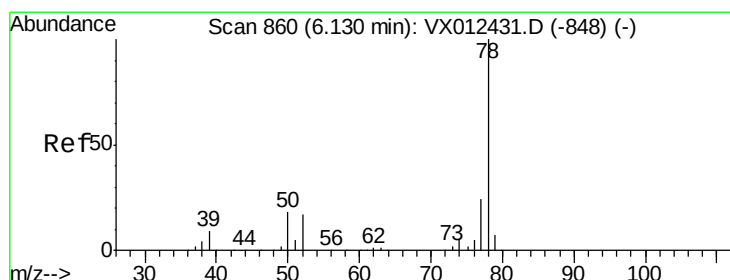
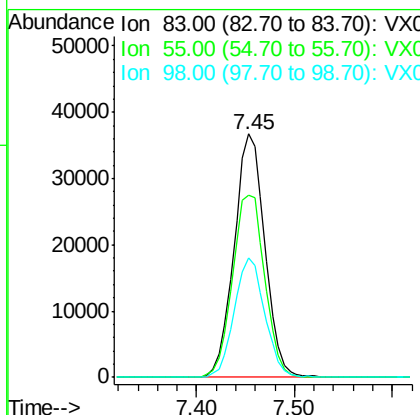
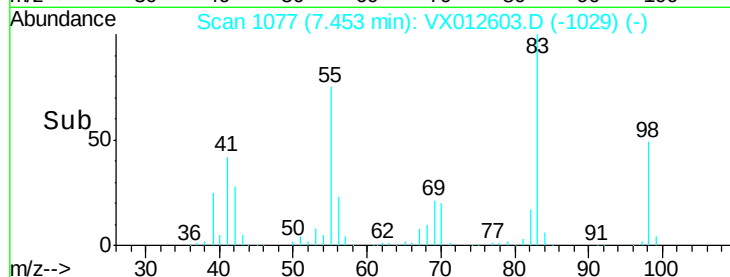
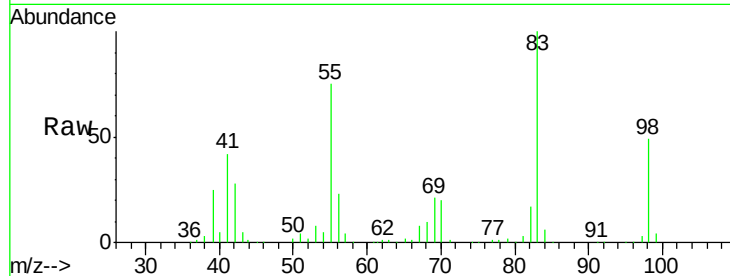
#39
Methylvlcyclohexane
Concen: 17.607 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX012603.D
Acq: 23 Sep 2019 14:47

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBS01

Tot Ion	83	Resp	79949
Ion	Ratio	Lower	Upper
83	100		
55	74.9	64.4	96.6
98	49.2	40.1	60.1

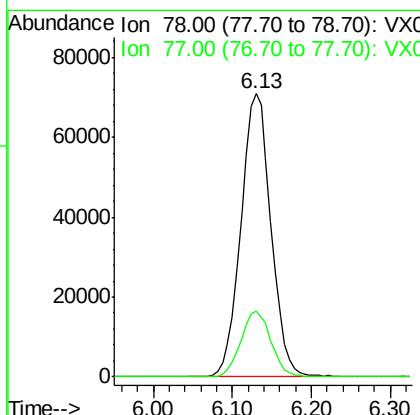
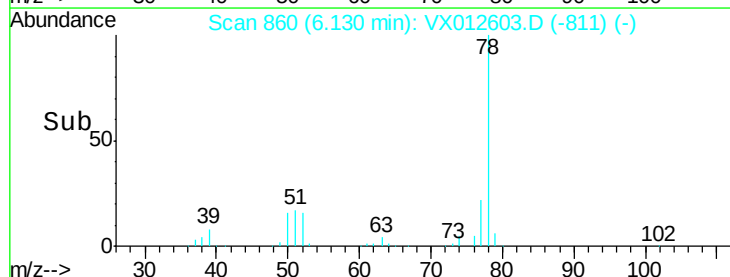
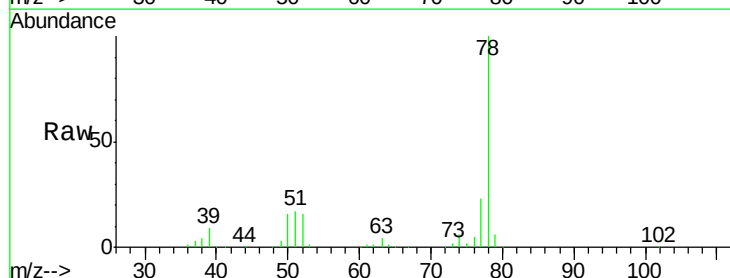
Manual Integrations
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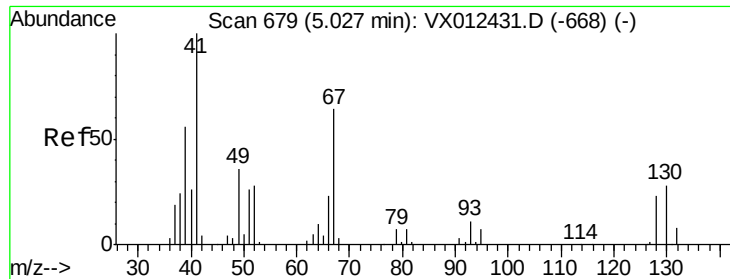
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#40
Benzene
Concen: 16.896 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX012603.D
Acq: 23 Sep 2019 14:47

Tgt Ion	78	Resp	187514
Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.2	28.8





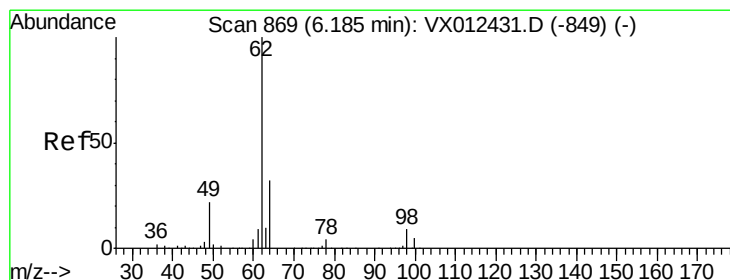
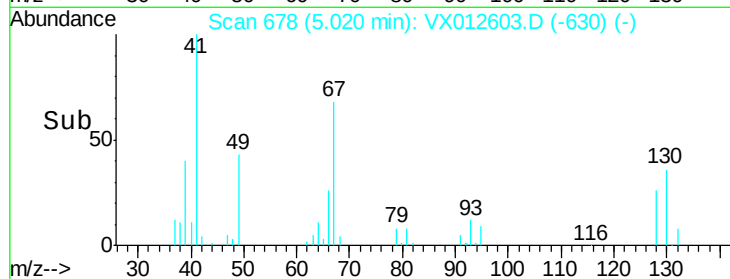
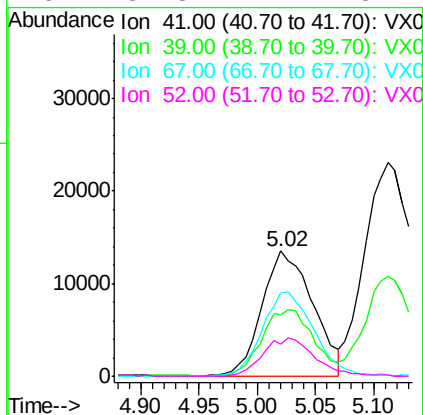
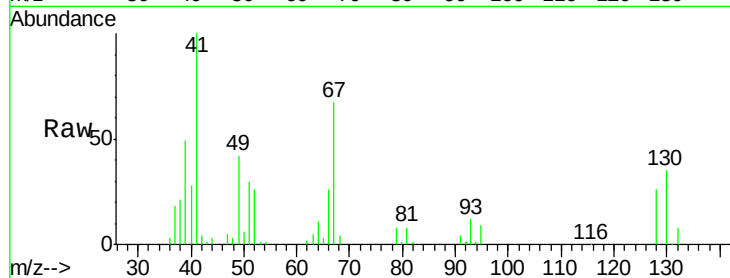
#41
Methacrylonitrile
Concen: 16.563 ug/l
RT: 5.02 min Scan# 678
Delta R.T. -0.01 min
Lab File: VX012603.D
Acq: 23 Sep 2019 14:47

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBS01

Tot Ion	41	Resp	40978
Ion Ratio	Lower	Upper	
41	100		
39	54.5	46.0	69.0
67	68.4	52.2	78.2
52	31.3	22.7	34.1

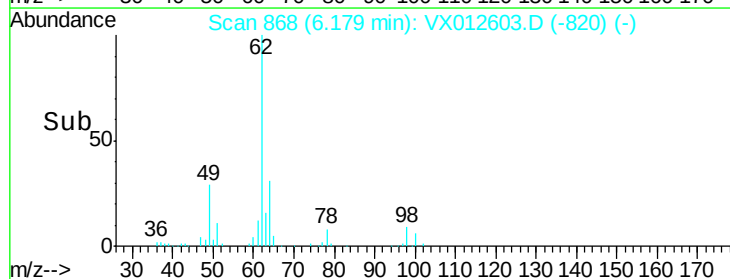
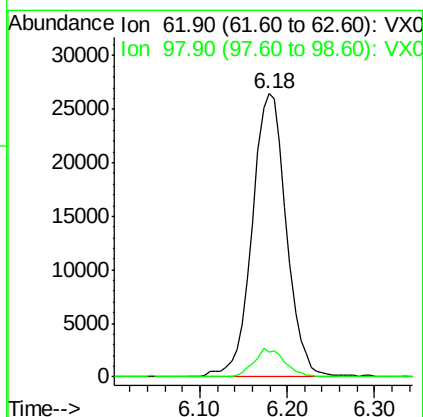
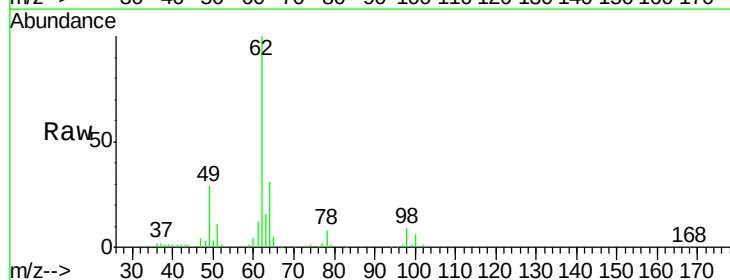
Manual Integrations
APPROVED

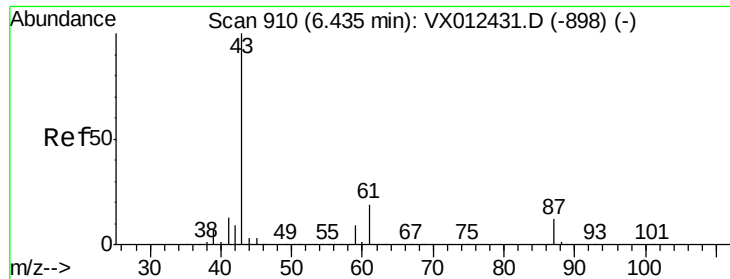
MMDadoda
9/24/2019 10:06:05 AM



#42
1,2-Dichloroethane
Concen: 17.026 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.01 min
Lab File: VX012603.D
Acq: 23 Sep 2019 14:47

Tgt Ion	62	Resp	71753
Ion Ratio	Lower	Upper	
62	100		
98	8.9	0.0	17.8





#43

Isopropyl Acetate

Concen: 16.552 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX012603.D

Acq: 23 Sep 2019 14:47

Instrument :

MSVOA_X

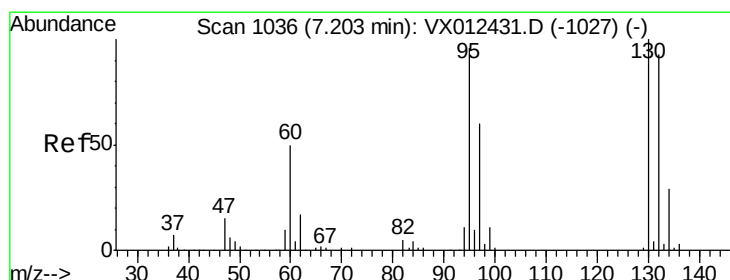
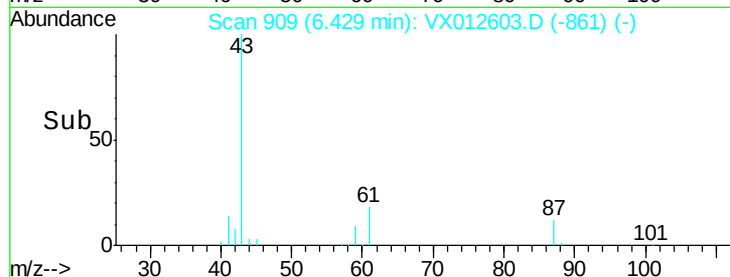
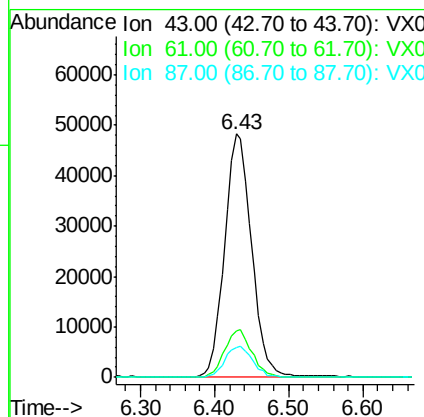
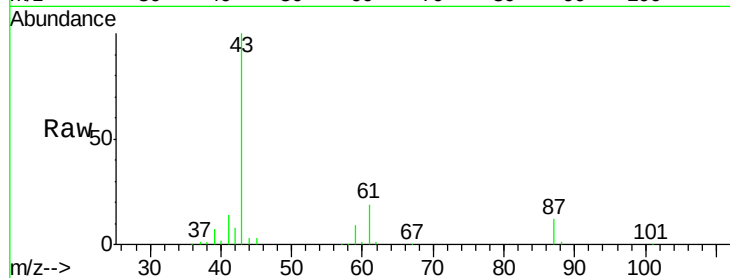
ClientSampleId :

VX0923WBS01

Tot Ion:	43	Resp:	122060
Ion	Ratio	Lower	Upper
43	100		
61	19.7	15.4	23.0
87	12.9	9.8	14.8

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#44

Trichloroethene

Concen: 16.944 ug/l

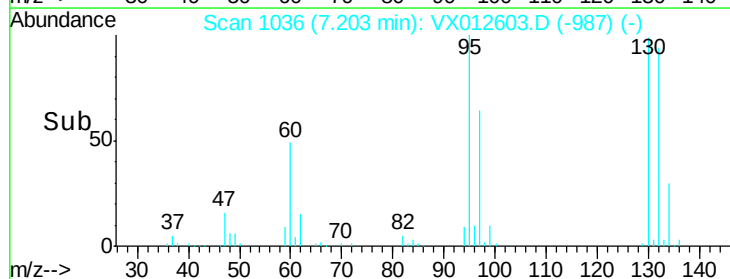
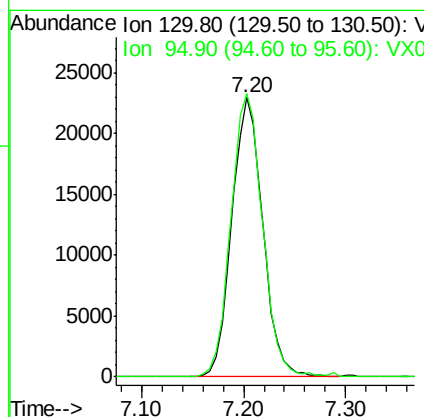
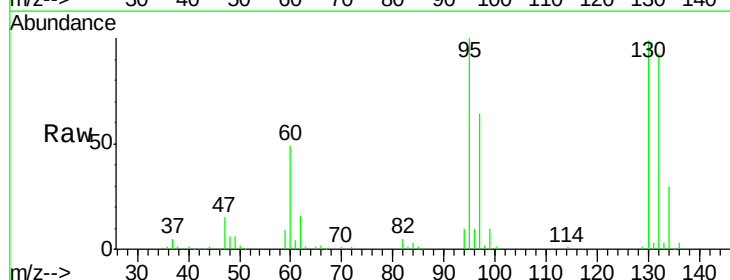
RT: 7.20 min Scan# 1036

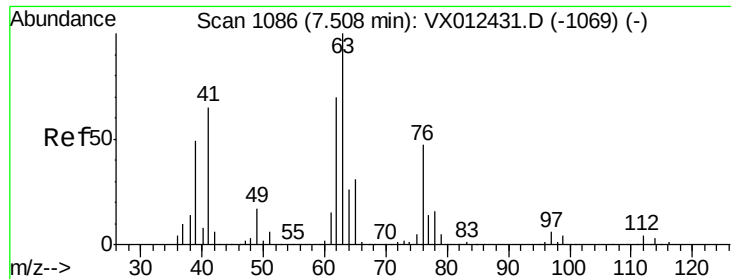
Delta R.T. 0.00 min

Lab File: VX012603.D

Acq: 23 Sep 2019 14:47

Tgt Ion:	130	Resp:	48072
Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	193.0





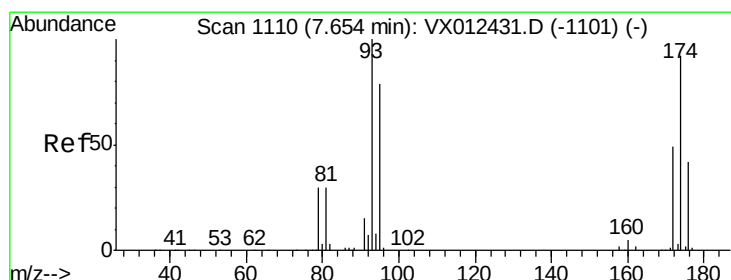
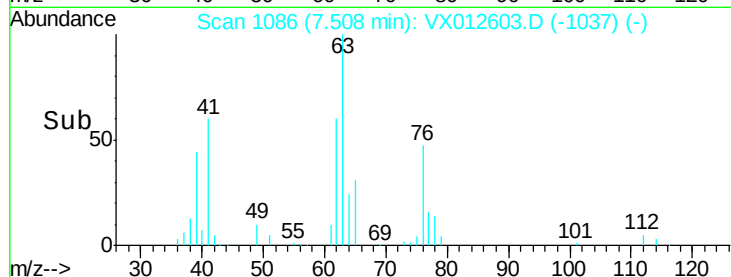
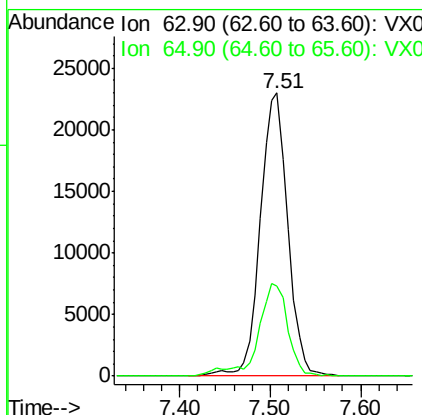
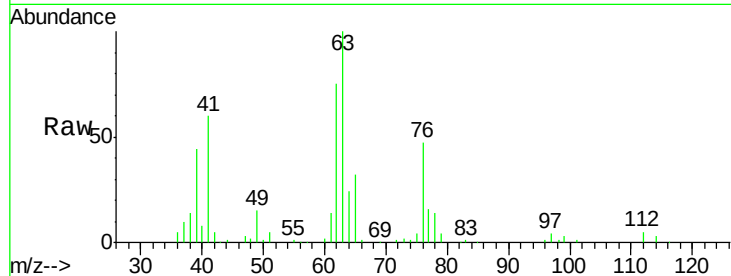
#45
 1,2-Dichloropropane
 Concen: 16.914 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX012603.D
 Acq: 23 Sep 2019 14:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0923WBS01

Tot Ion: 63 Resp: 48057
 Ion Ratio Lower Upper
 63 100
 65 31.9 25.0 37.6

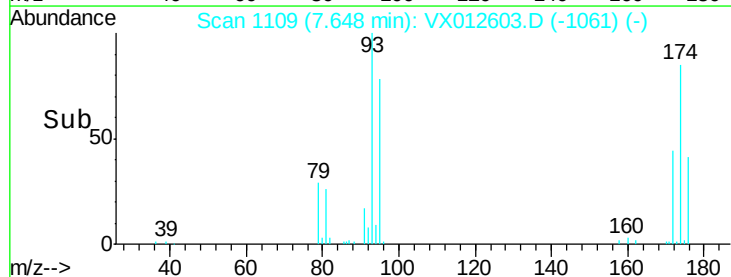
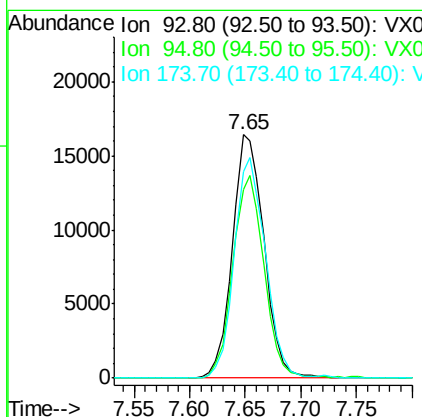
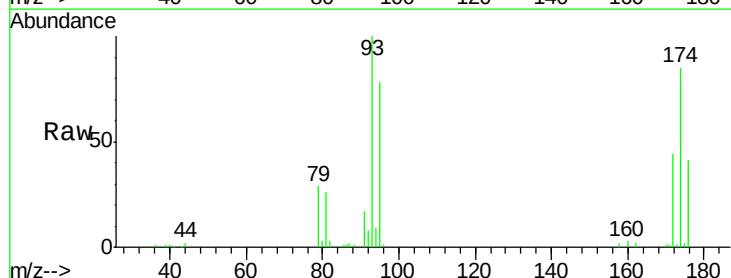
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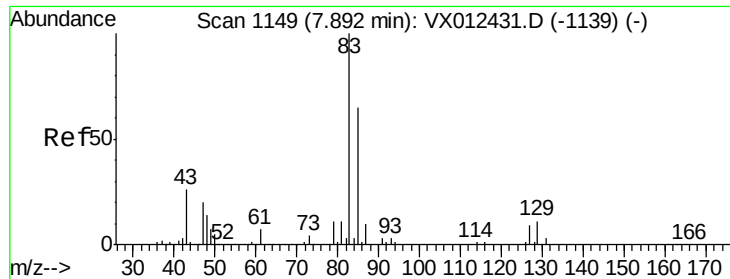
MMDadoda
 9/24/2019 10:06:05 AM



#46
 Dibromomethane
 Concen: 16.711 ug/l
 RT: 7.65 min Scan# 1109
 Delta R.T. -0.01 min
 Lab File: VX012603.D
 Acq: 23 Sep 2019 14:47

Tgt Ion: 93 Resp: 32327
 Ion Ratio Lower Upper
 93 100
 95 82.1 66.6 100.0
 174 89.3 77.4 116.0





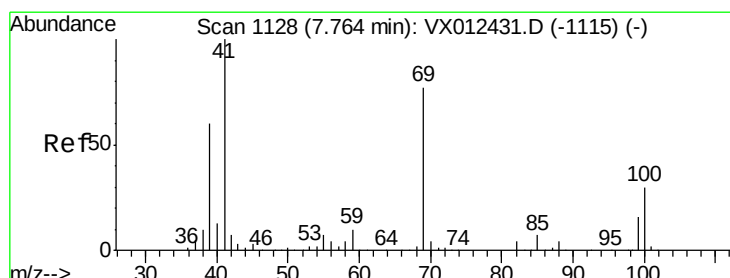
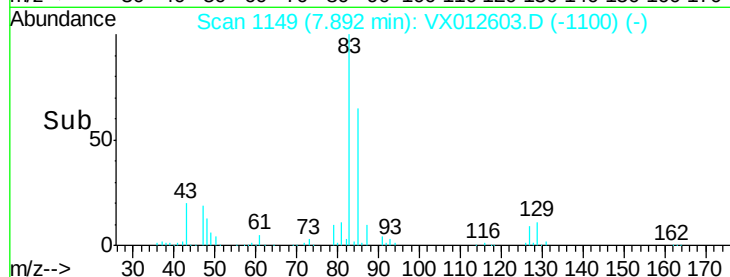
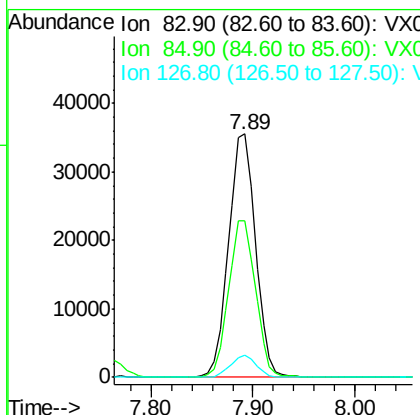
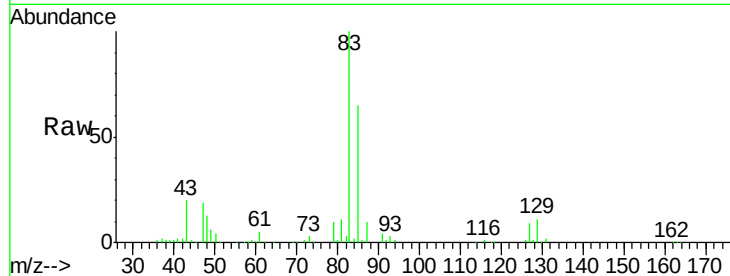
#47
 Bromodichloromethane
 Concen: 16.776 ug/l
 RT: 7.89 min Scan# 1149
 Delta R.T. 0.00 min
 Lab File: VX012603.D
 Acq: 23 Sep 2019 14:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0923WBS01

Tot Ion	83	Resp	64863
Ion Ratio	100	Lower	Upper
83	100		
85	64.6	51.8	77.6
127	9.0	7.3	10.9

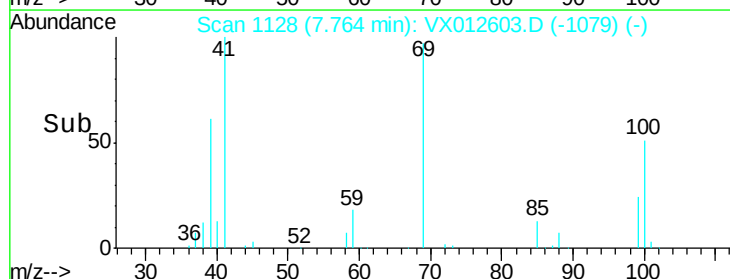
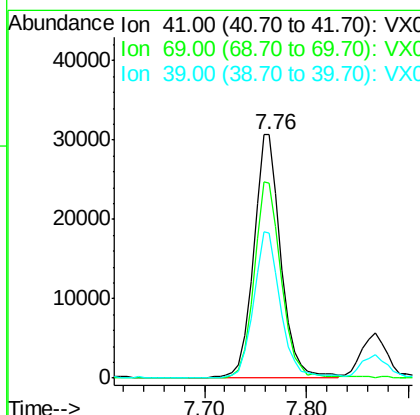
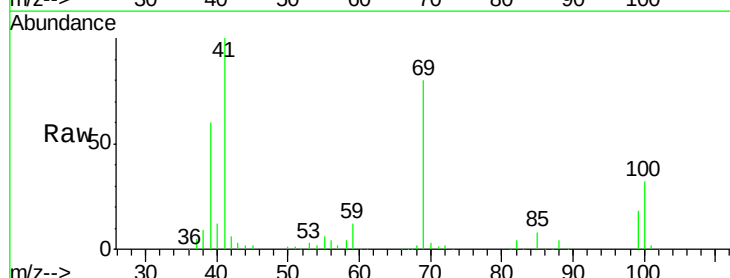
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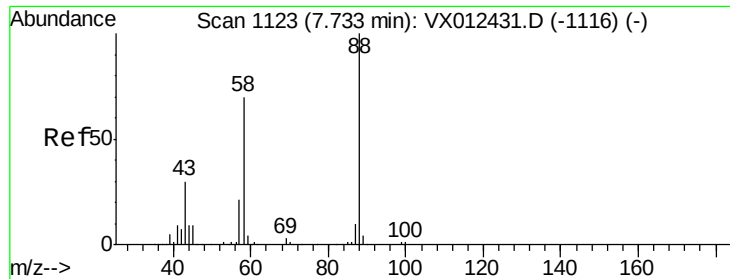
MMDadoda
 9/24/2019 10:06:05 AM



#48
 Methyl methacrylate
 Concen: 16.212 ug/l
 RT: 7.76 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VX012603.D
 Acq: 23 Sep 2019 14:47

Tgt Ion	41	Resp	57324
Ion Ratio	100	Lower	Upper
41	100		
69	79.5	59.9	89.9
39	59.5	47.8	71.6





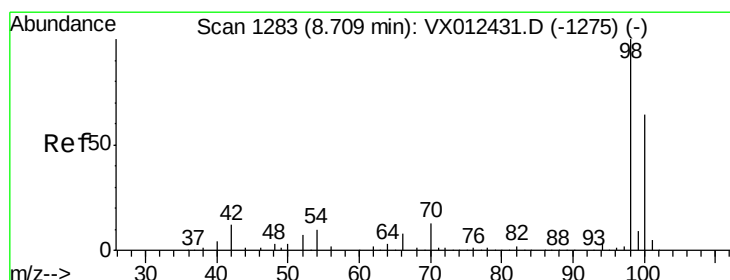
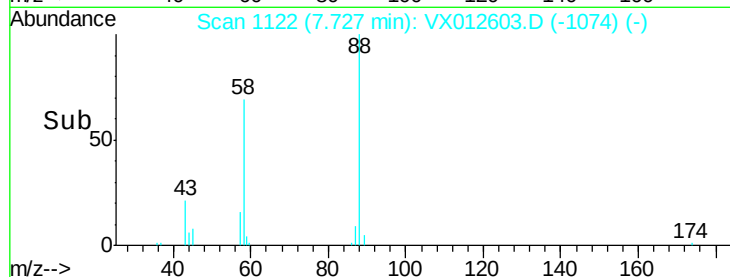
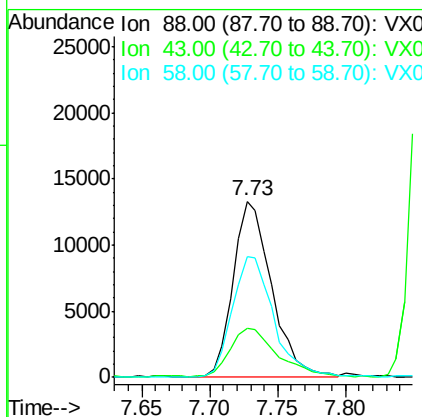
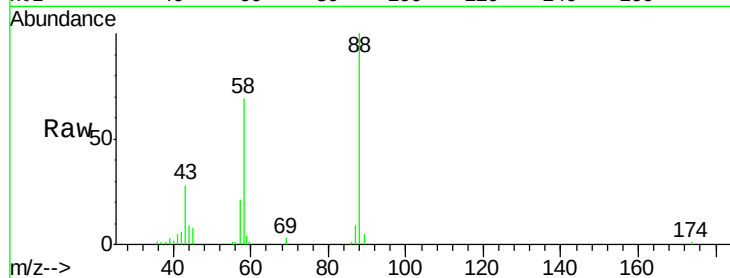
#49
1,4-Dioxane
Concen: 329.231 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX012603.D
Acq: 23 Sep 2019 14:47

Instrument :
MSVOA_X
ClientSampled :
VX0923WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.8	29.4	44.0
58	73.9	57.5	86.3

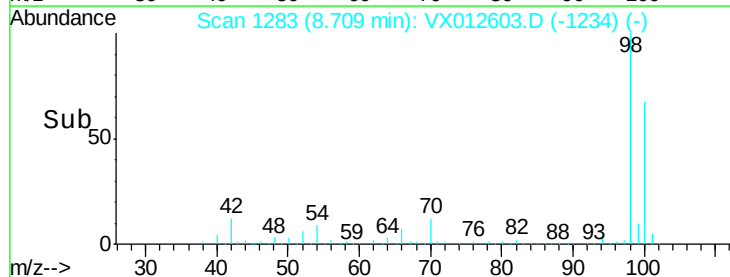
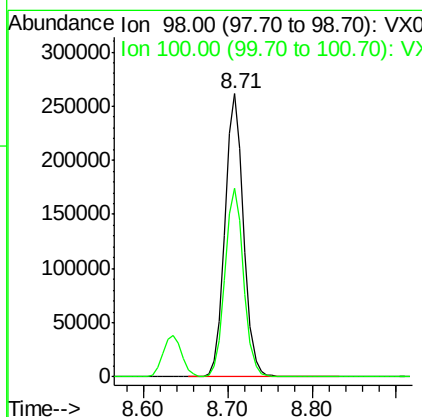
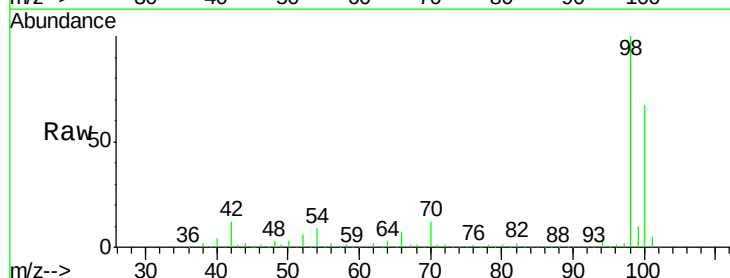
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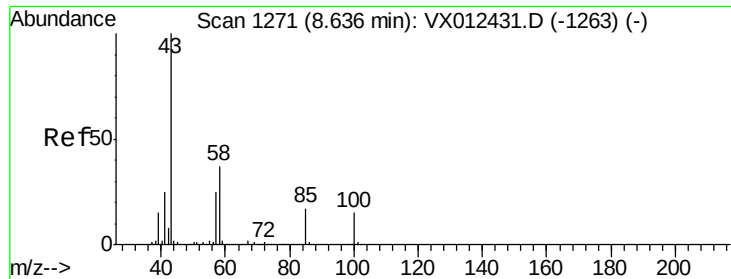
MMDadoda
9/24/2019 10:06:05 AM



#50
Toluene-d8
Concen: 44.306 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012603.D
Acq: 23 Sep 2019 14:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 82.653 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012603.D

Acq: 23 Sep 2019 14:47

Instrument :

MSVOA_X

ClientSampled :

VX0923WBS01

Tot Ion: 43 Resp: 376242

Ion Ratio Lower Upper

43 100

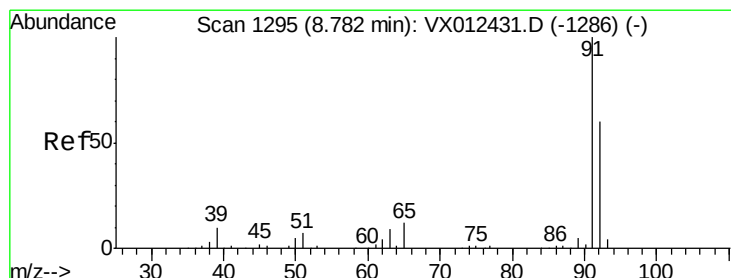
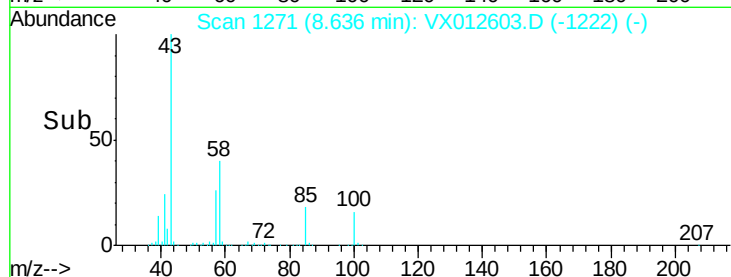
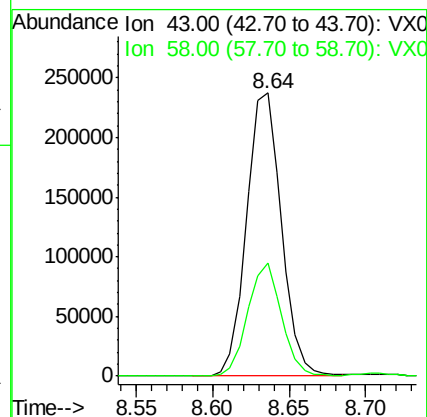
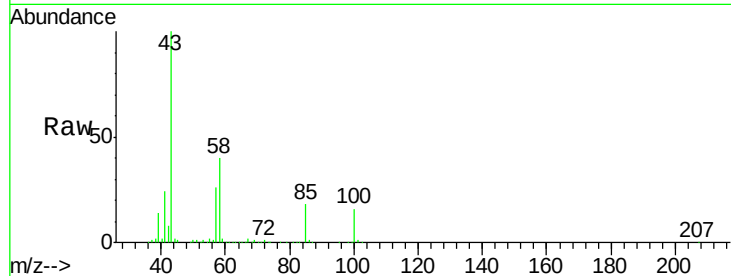
58 38.6 29.8 44.6

Manual Integrations

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#52

Toluene

Concen: 17.175 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX012603.D

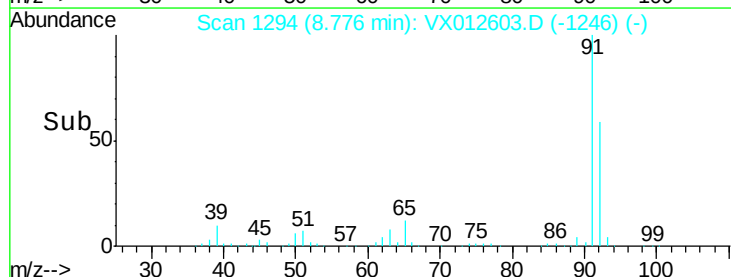
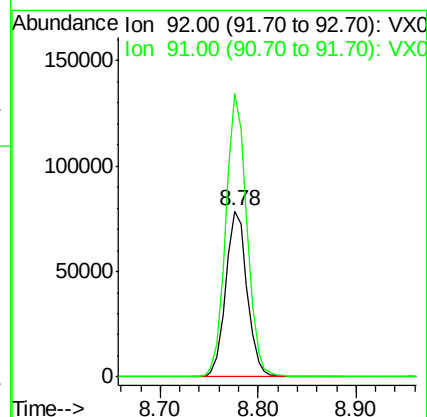
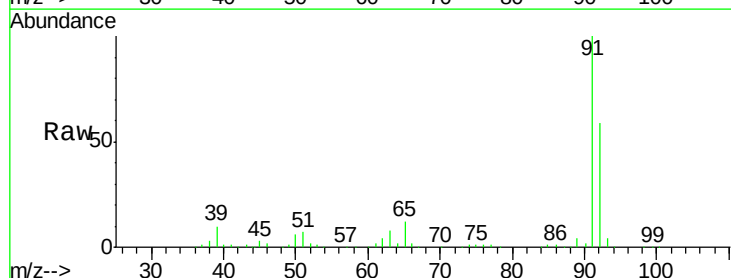
Acq: 23 Sep 2019 14:47

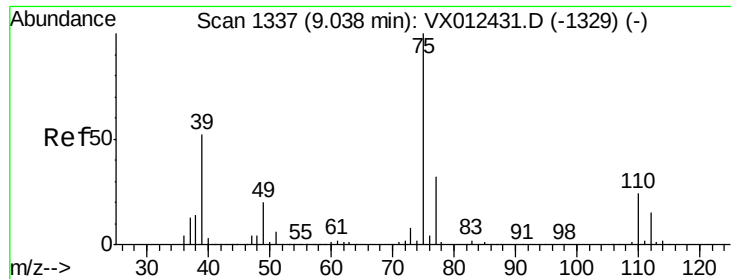
Tgt Ion: 92 Resp: 119797

Ion Ratio Lower Upper

92 100

91 168.2 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 16.956 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX012603.D

Acq: 23 Sep 2019 14:47

Tot Ion: 75 Resp: 72533

Ion Ratio Lower Upper

75 100

77 29.3 25.2 37.8

Instrument :

MSVOA_X

ClientSampled :

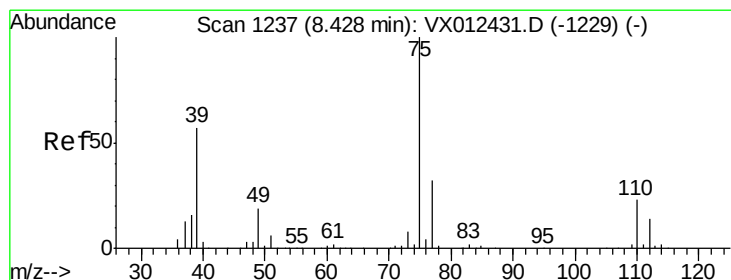
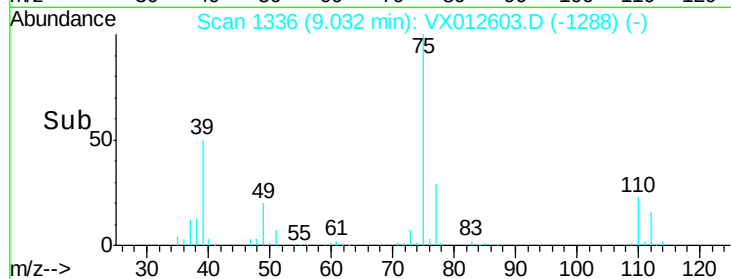
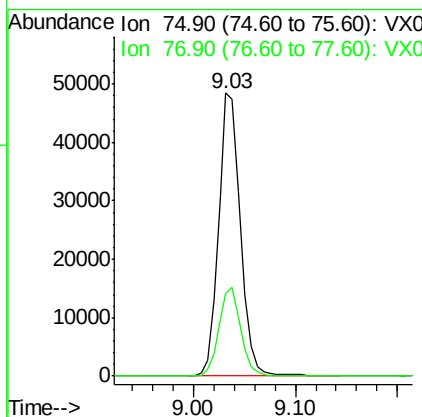
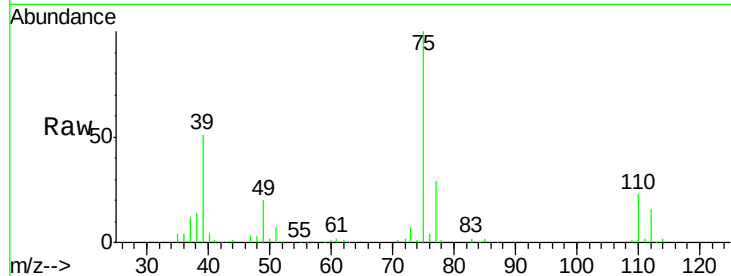
VX0923WBS01

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 16.988 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX012603.D

Acq: 23 Sep 2019 14:47

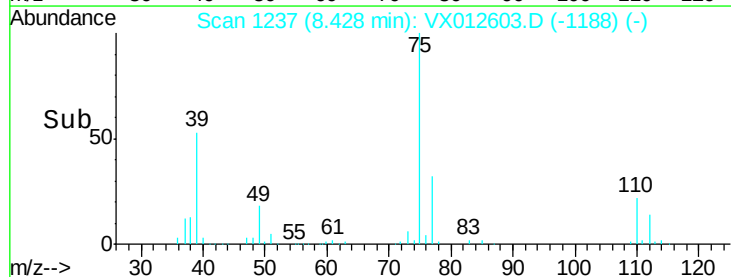
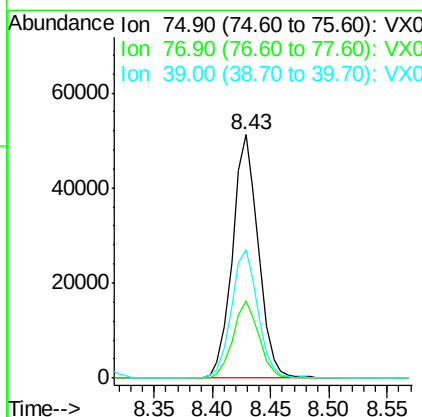
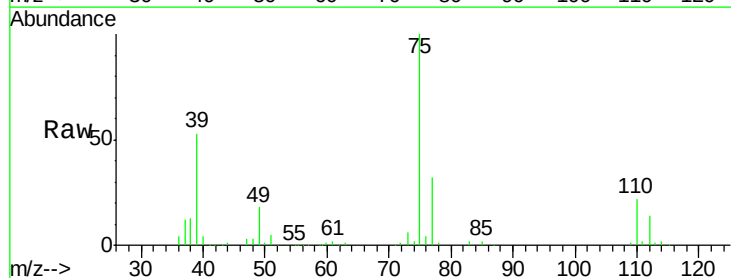
Tgt Ion: 75 Resp: 79344

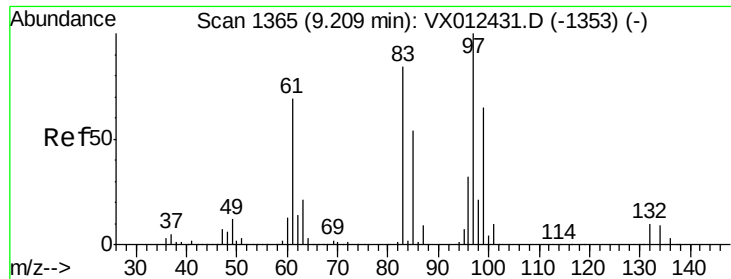
Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.8

39 52.7 45.5 68.3





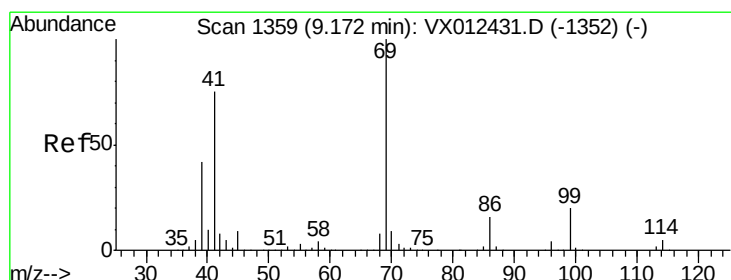
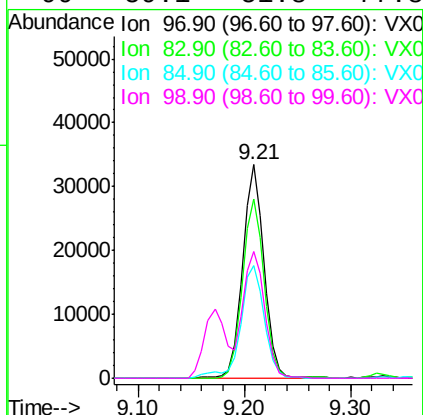
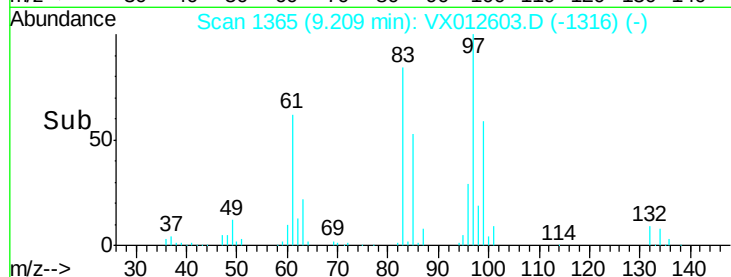
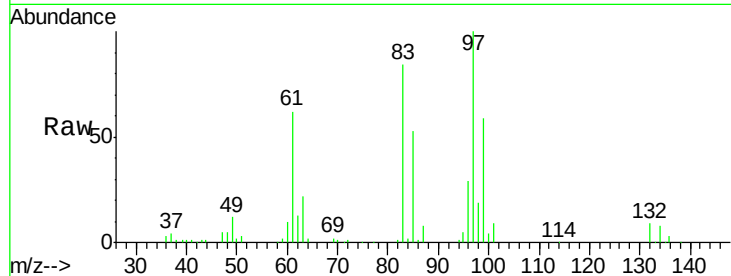
#55
1,1,2-Trichloroethane
Concen: 17.038 ug/l
RT: 9.21 min Scan# 1365
Delta R.T. 0.00 min
Lab File: VX012603.D
Acq: 23 Sep 2019 14:47

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		47248		
83	83.9	67.4	101.2		
85	52.9	43.5	65.3		
99	59.1	51.8	77.8		

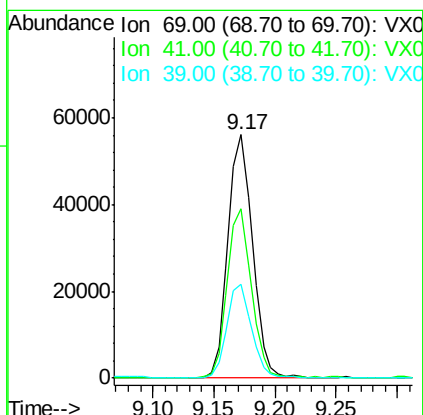
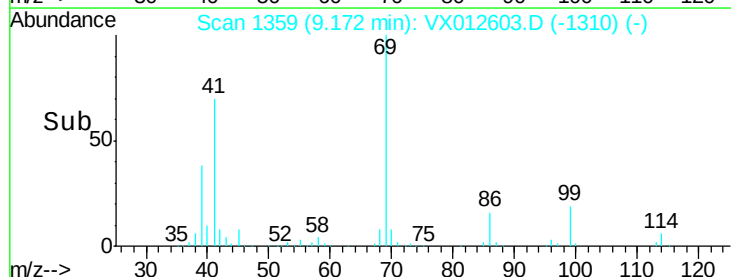
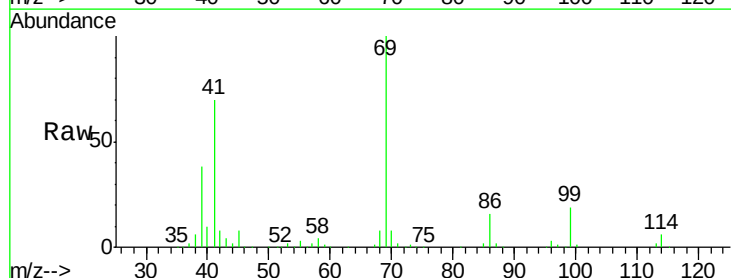
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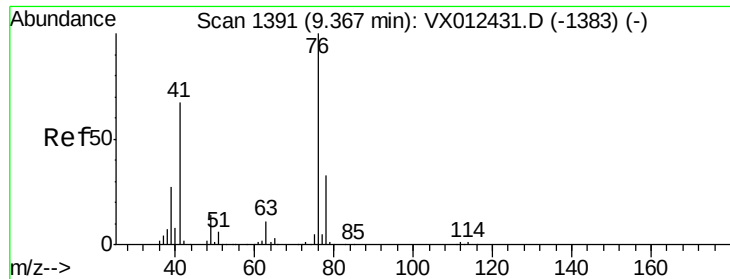
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#56
Ethyl methacrylate
Concen: 16.837 ug/l
RT: 9.17 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VX012603.D
Acq: 23 Sep 2019 14:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		78439		
41	68.6	58.4	87.6		
39	38.4	33.4	50.0		





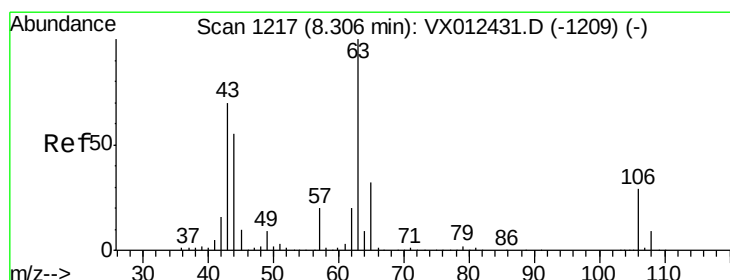
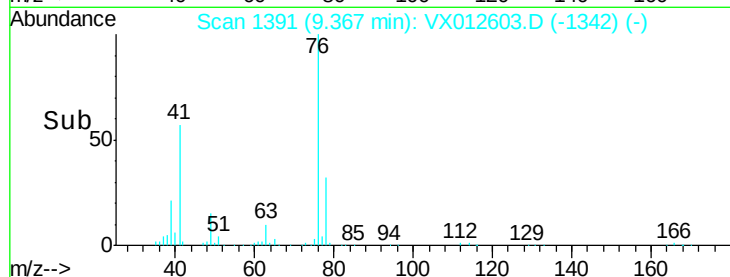
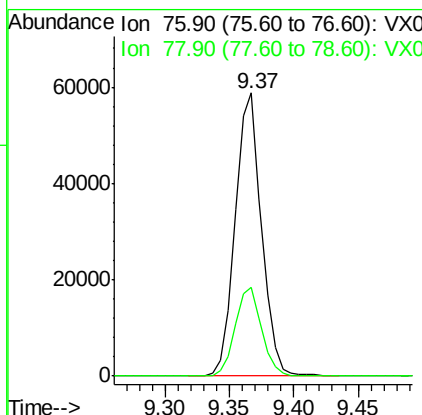
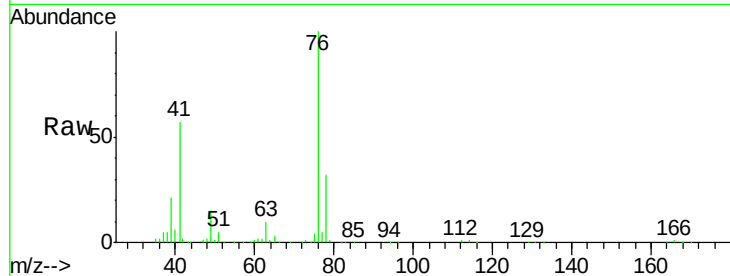
#57
 1,3-Dichloropropane
 Concen: 17.206 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX012603.D
 Acq: 23 Sep 2019 14:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0923WBS01

Tot Ion: 76 Resp: 83508
 Ion Ratio Lower Upper
 76 100
 78 31.7 26.2 39.2

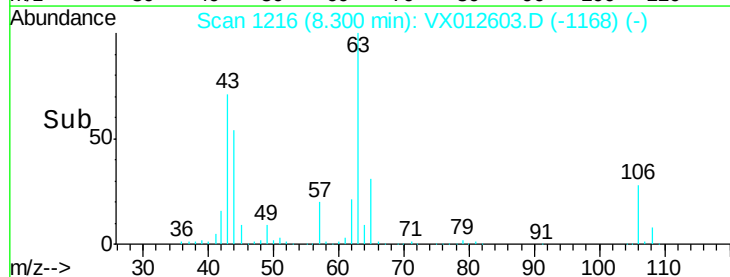
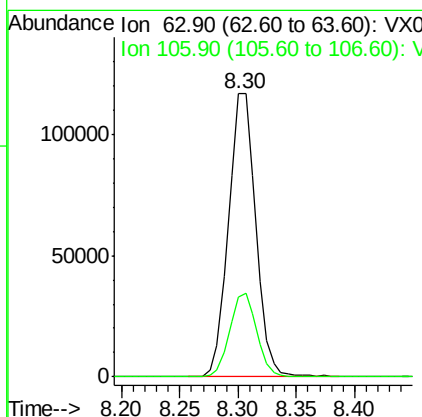
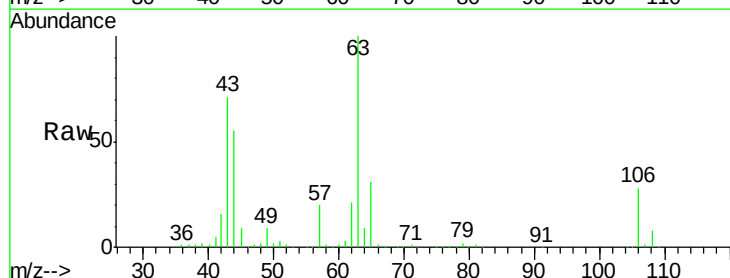
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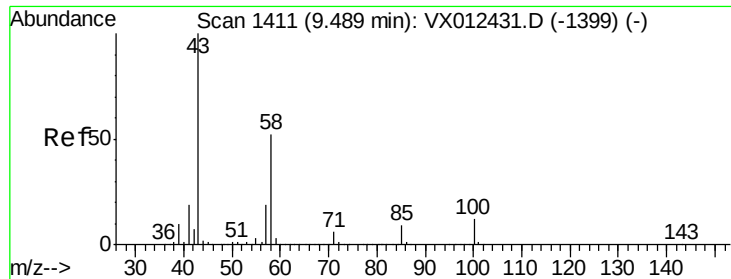
MMDadoda
 9/24/2019 10:06:05 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.624 ug/l
 RT: 8.30 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: VX012603.D
 Acq: 23 Sep 2019 14:47

Tgt Ion: 63 Resp: 191606
 Ion Ratio Lower Upper
 63 100
 106 29.5 23.8 35.6





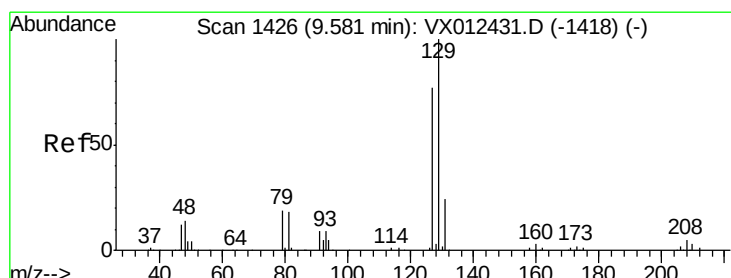
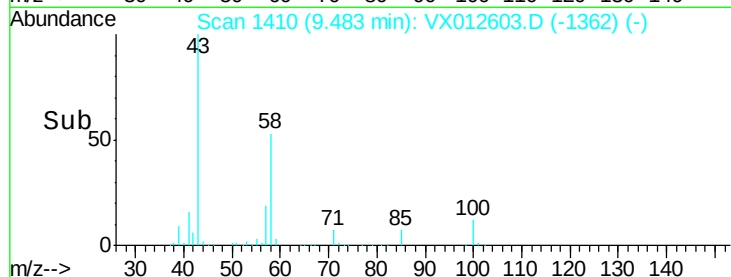
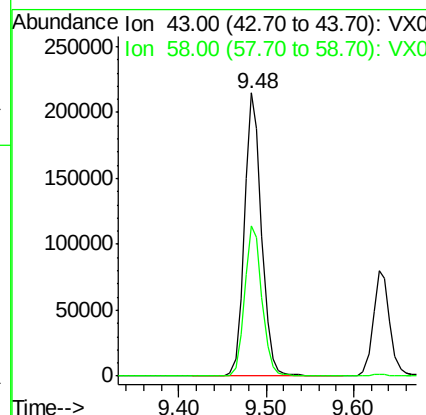
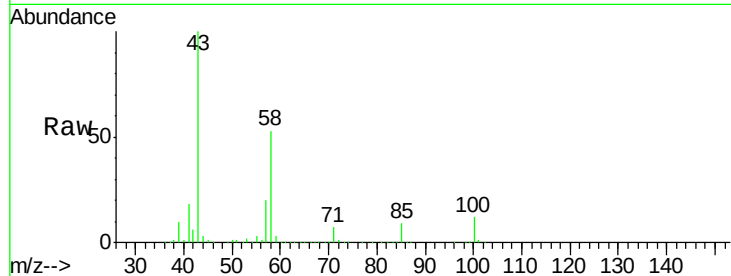
#59
2-Hexanone
Concen: 84.433 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX012603.D
Acq: 23 Sep 2019 14:47

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBS01

Tot Ion: 43 Resp: 294192
Ion Ratio Lower Upper
43 100
58 54.0 25.7 77.1

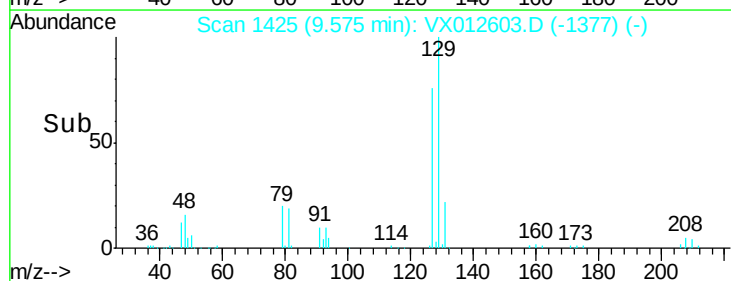
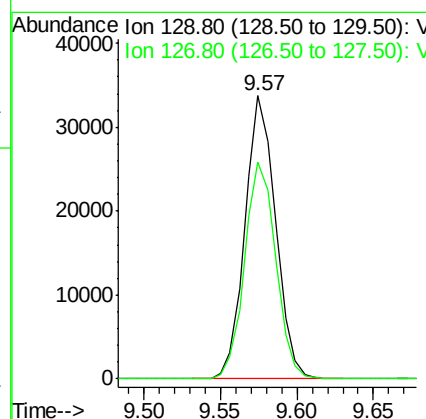
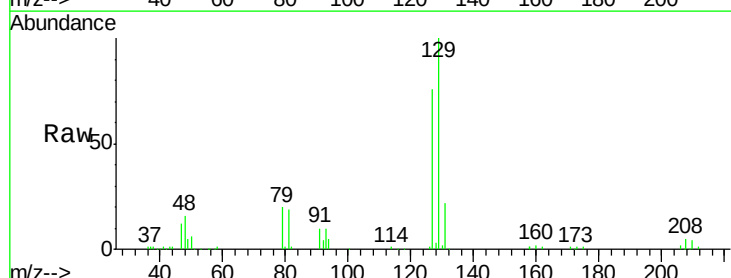
Manual Integrations
APPROVED

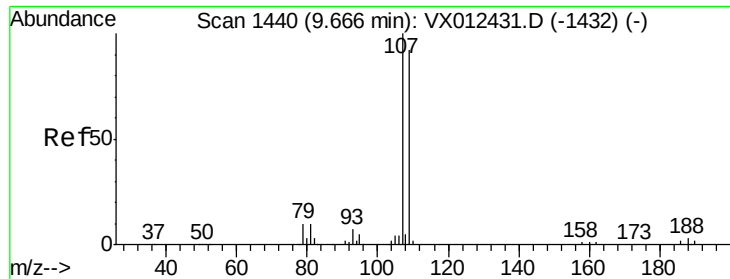
MMDadoda
9/24/2019 10:06:05 AM



#60
Dibromochloromethane
Concen: 16.712 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX012603.D
Acq: 23 Sep 2019 14:47

Tgt Ion: 129 Resp: 46913
Ion Ratio Lower Upper
129 100
127 77.9 38.9 116.6





#61

1,2-Dibromoethane

Concen: 17.220 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012603.D

Acq: 23 Sep 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0923WBS01

Tot Ion:107 Resp: 49698

Ion Ratio Lower Upper

107 100

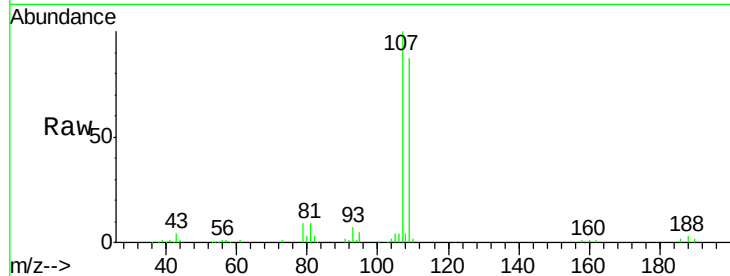
109 92.0 74.7 112.1

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

40000

30000

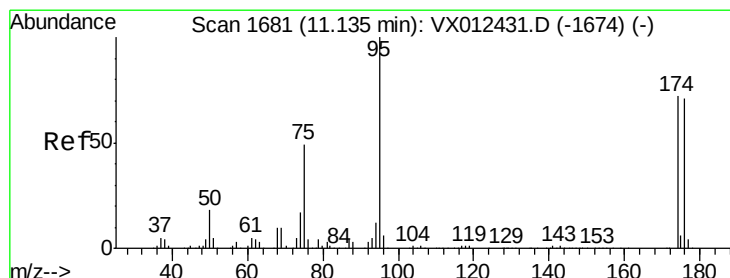
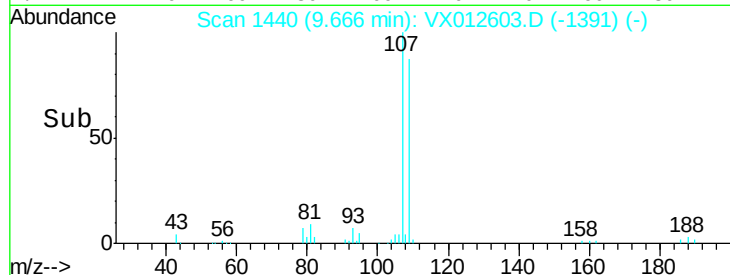
20000

10000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 43.803 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012603.D

Acq: 23 Sep 2019 14:47

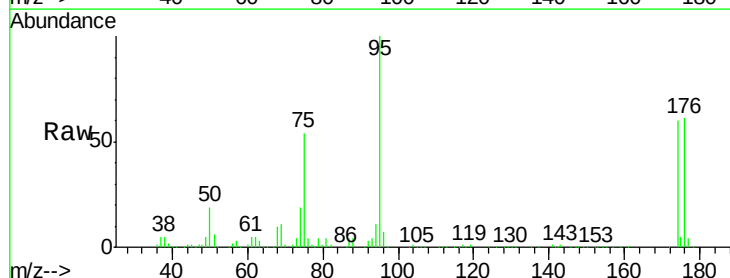
Tgt Ion: 95 Resp: 154577

Ion Ratio Lower Upper

95 100

174 67.1 0.0 140.0

176 66.6 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

11.13

150000

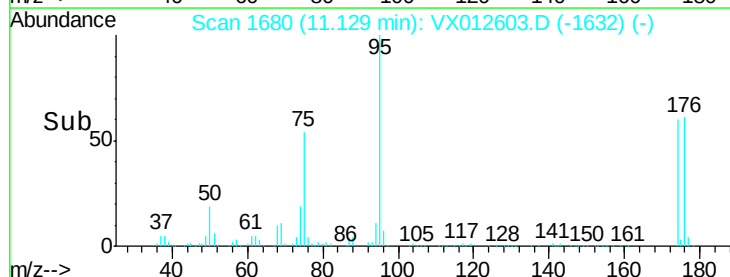
100000

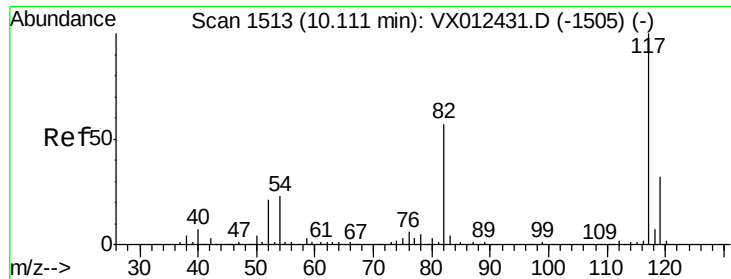
50000

0

11.05 11.10 11.15 11.20

Time-->





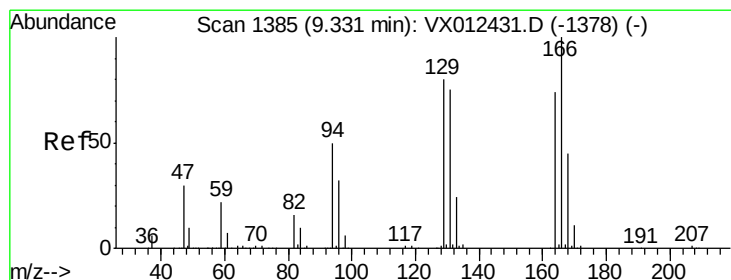
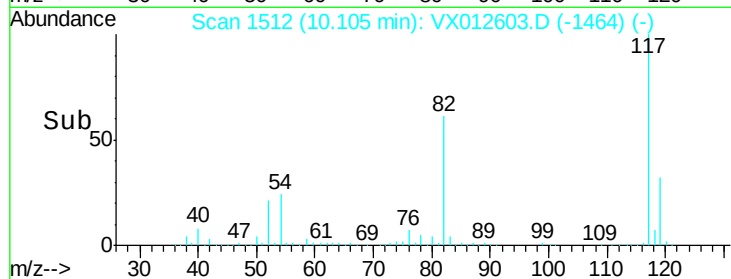
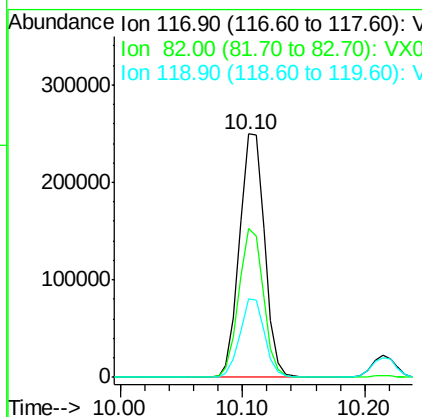
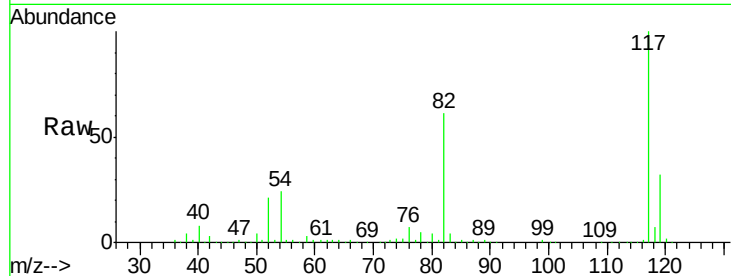
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX012603.D
Acq: 23 Sep 2019 14:47

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	353445		
82	61.1	45.9	68.9	
119	32.2	25.3	37.9	

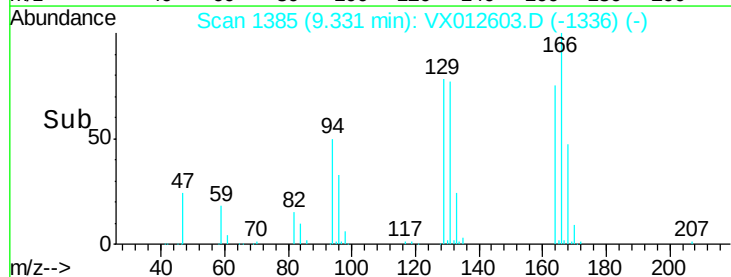
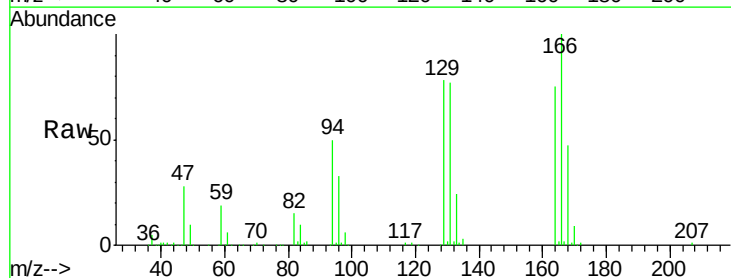
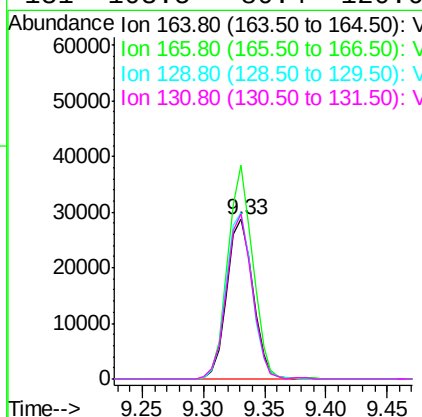
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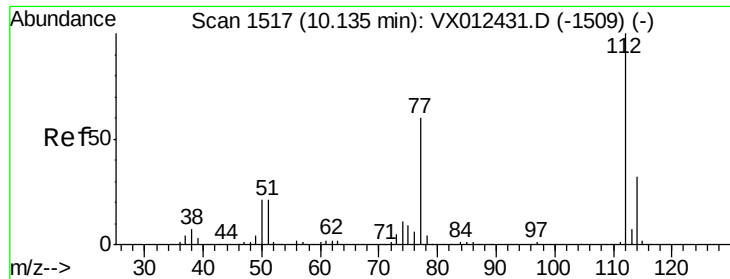
MMDadoda
9/24/2019 10:06:05 AM



#64
Tetrachloroethene
Concen: 17.233 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012603.D
Acq: 23 Sep 2019 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	42467		
166	133.6	107.8	161.6	
129	104.2	86.2	129.2	
131	103.5	80.4	120.6	





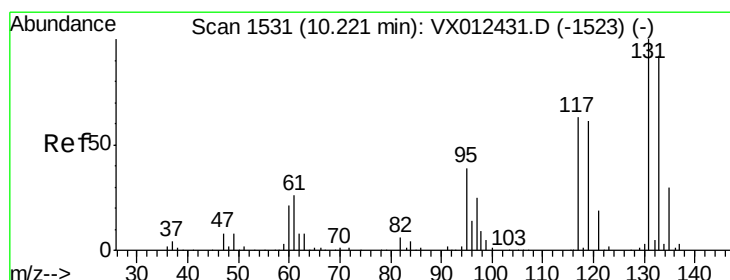
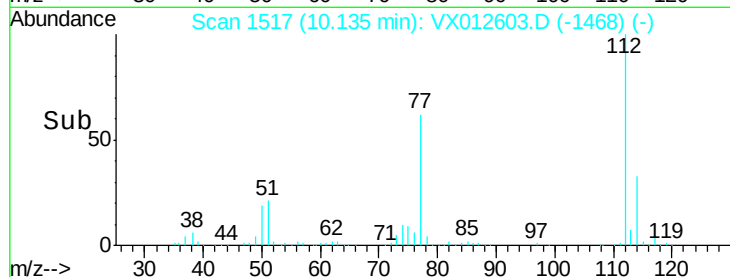
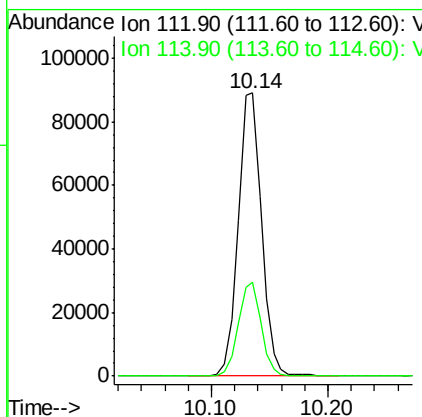
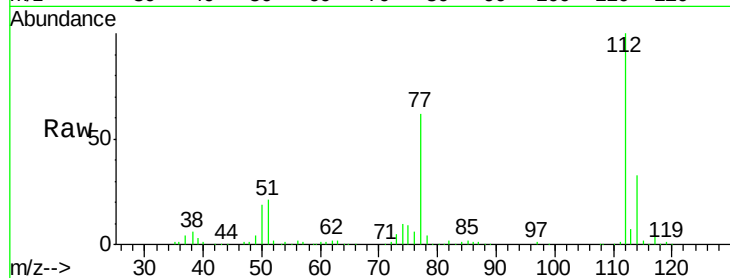
#65
Chlorobenzene
Concen: 16.765 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012603.D
Acq: 23 Sep 2019 14:47

Instrument :
MSVOA_X
ClientSampled :
VX0923WBS01

Tot Ion:112 Resp: 124780
Ion Ratio Lower Upper
112 100
114 33.0 25.4 38.0

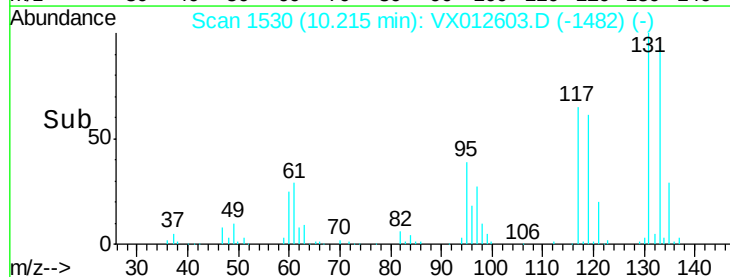
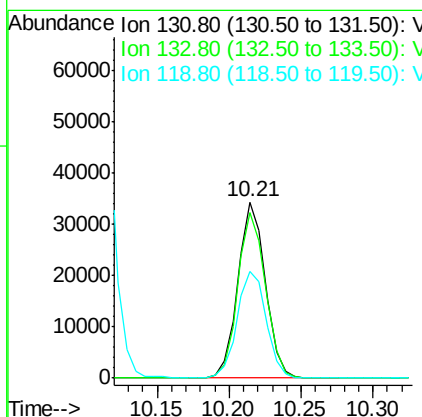
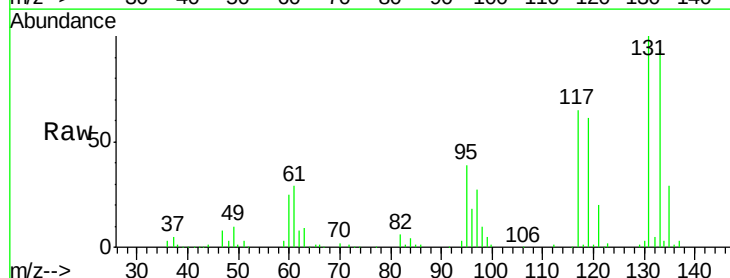
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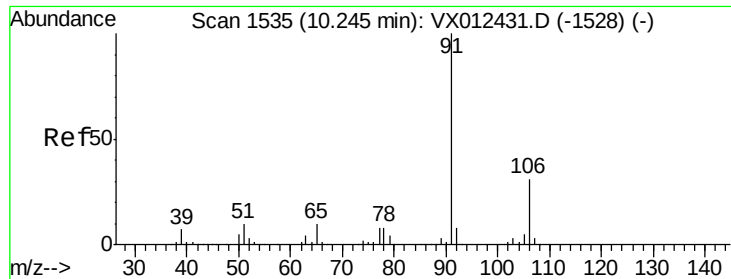
MMDadoda
9/24/2019 10:06:05 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 16.825 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VX012603.D
Acq: 23 Sep 2019 14:47

Tgt Ion:131 Resp: 45372
Ion Ratio Lower Upper
131 100
133 94.8 47.6 142.9
119 64.3 31.3 93.8





#67

Ethyl Benzene

Concen: 17.176 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX012603.D

Acq: 23 Sep 2019 14:47

Instrument :

MSVOA_X

ClientSampled :

VX0923WBS01

Tot Ion: 91 Resp: 231860

Ion Ratio Lower Upper

91 100

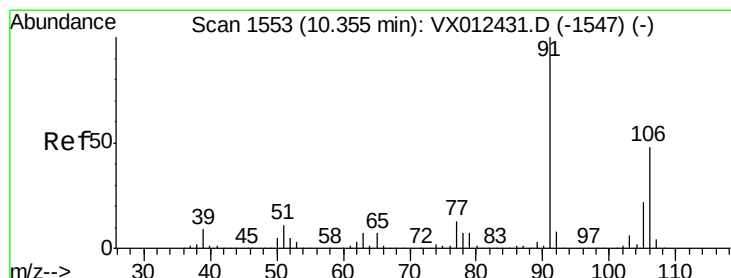
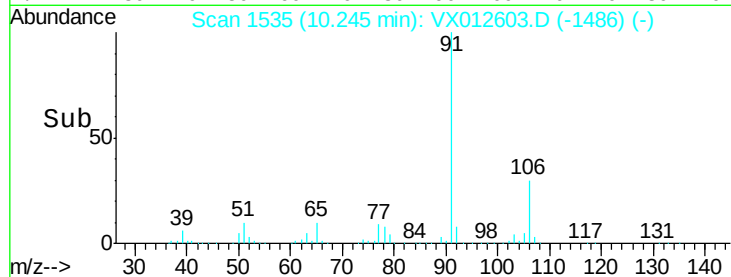
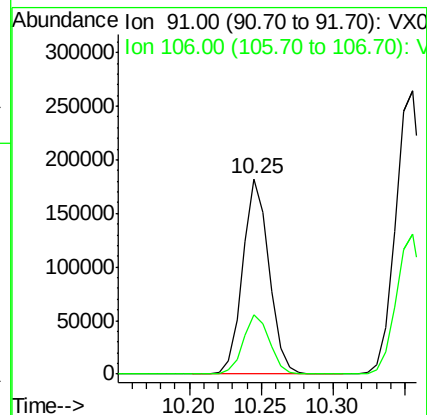
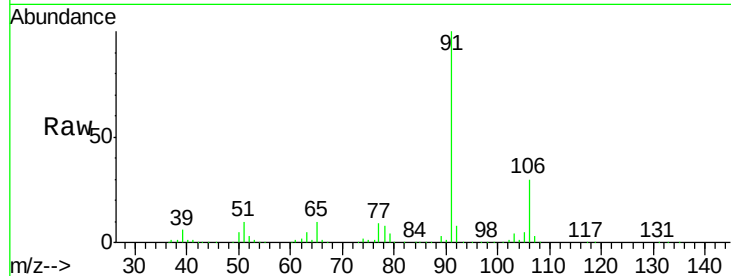
106 30.1 24.6 37.0

Manual Integrations

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#68

m/p-Xylenes

Concen: 34.503 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX012603.D

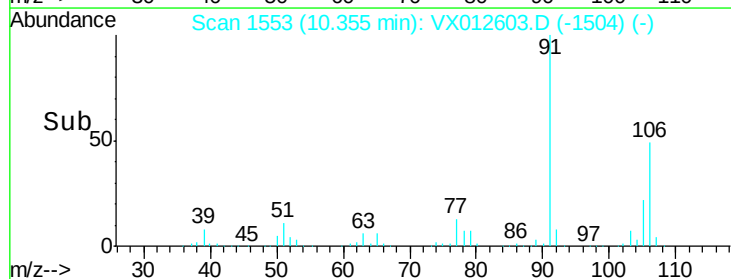
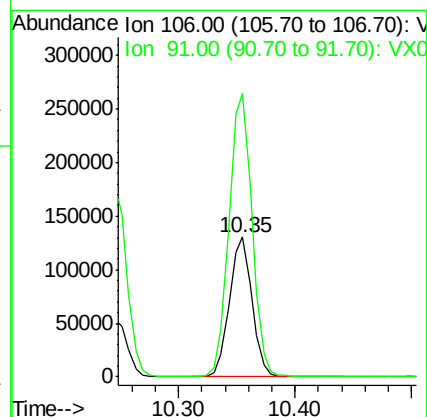
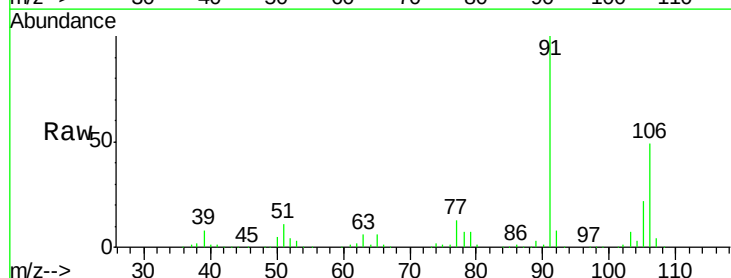
Acq: 23 Sep 2019 14:47

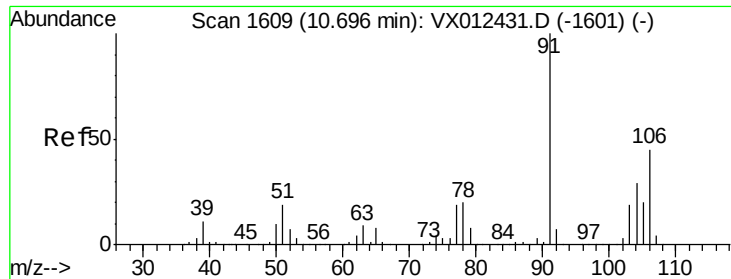
Tgt Ion: 106 Resp: 174478

Ion Ratio Lower Upper

106 100

91 208.1 166.6 250.0





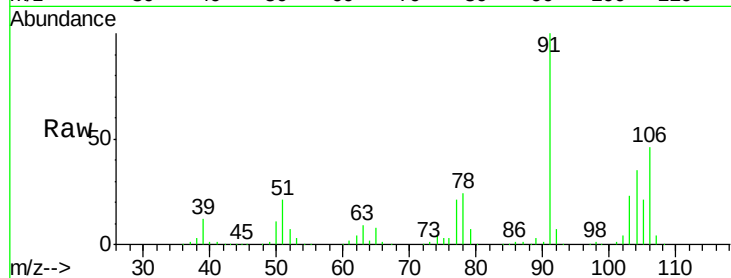
#69
o-Xylene
Concen: 17.091 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012603.D
Acq: 23 Sep 2019 14:47

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBS01

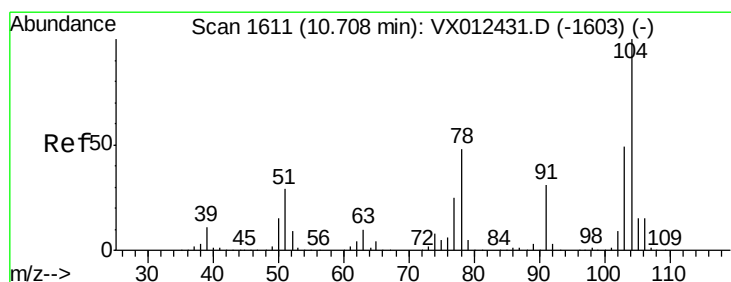
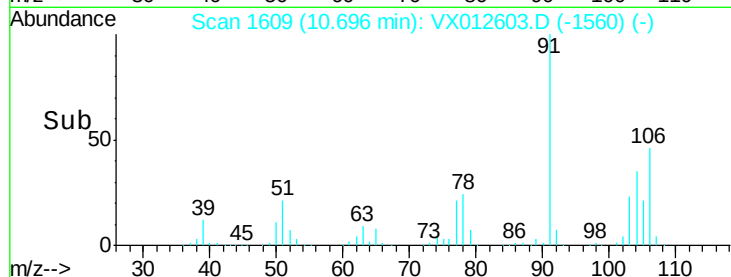
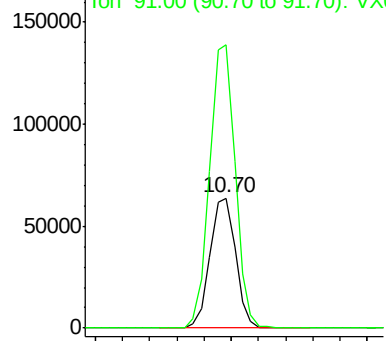
Tot Ion:106 Resp: 83627
Ion Ratio Lower Upper
106 100
91 218.8 109.4 328.2

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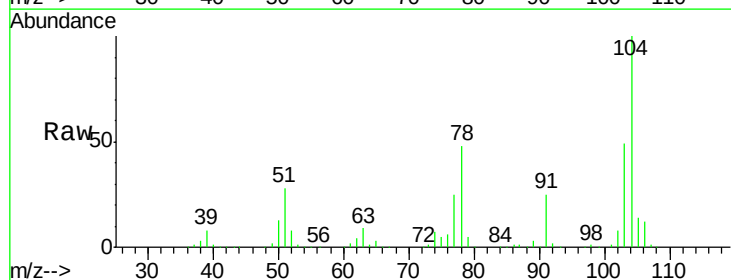


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

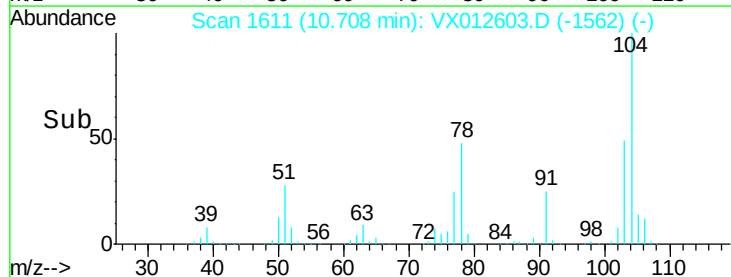
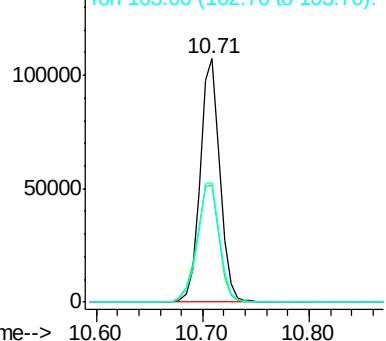


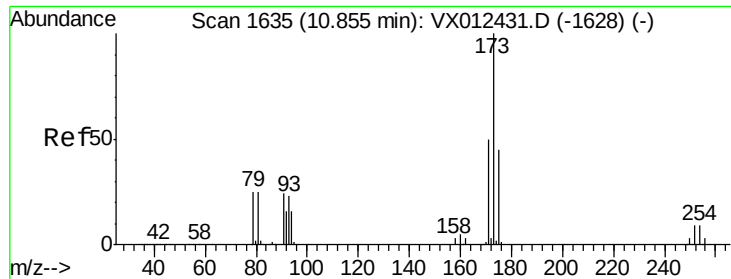
#70
Styrene
Concen: 17.049 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012603.D
Acq: 23 Sep 2019 14:47

Tgt Ion:104 Resp: 139849
Ion Ratio Lower Upper
104 100
78 54.3 43.4 65.2
103 55.0 43.3 64.9



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





#71

Bromoform

Concen: 16.431 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VX012603.D

Acq: 23 Sep 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0923WBS01

Tot Ion:173 Resp: 30854

Ion Ratio Lower Upper

173 100

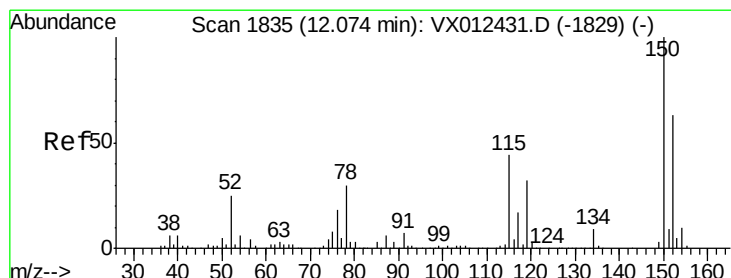
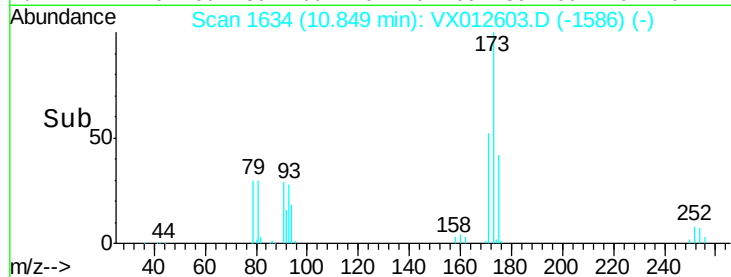
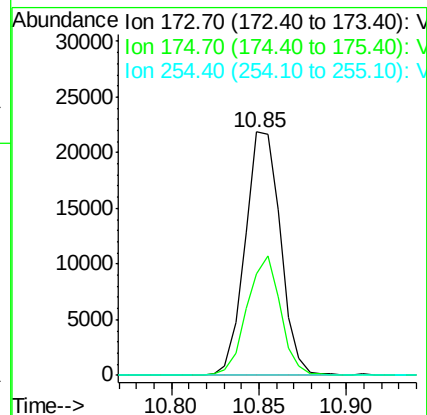
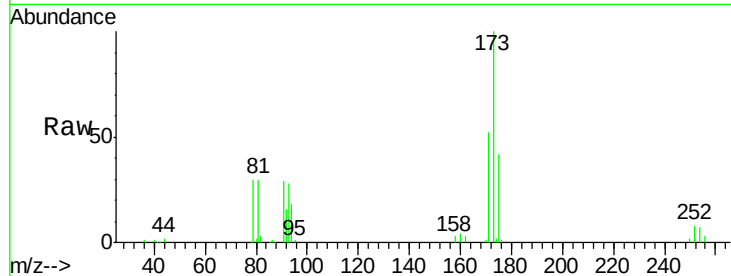
175 46.4 23.7 71.1

254 0.1 0.1 0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012603.D

Acq: 23 Sep 2019 14:47

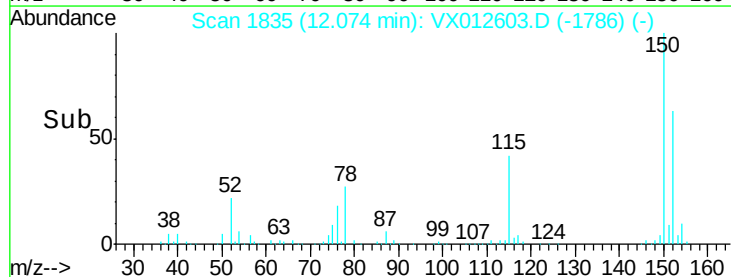
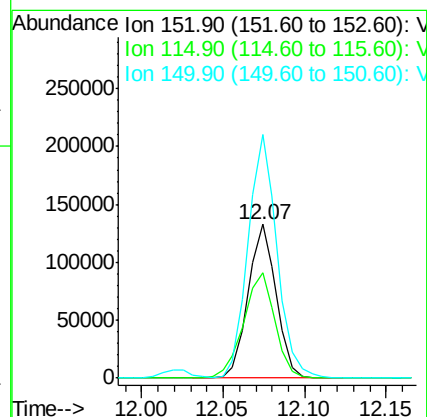
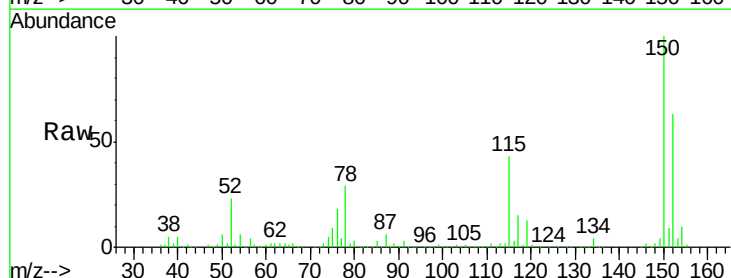
Tgt Ion:152 Resp: 158669

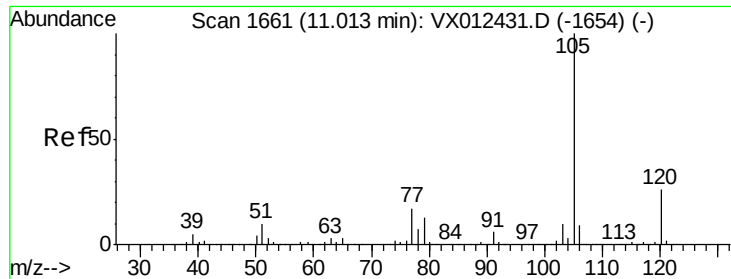
Ion Ratio Lower Upper

152 100

115 76.5 44.1 132.3

150 164.2 0.0 343.8





#73

Isopropylbenzene

Concen: 17.397 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012603.D

Acq: 23 Sep 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0923WBS01

Tot Ion: 105 Resp: 224824

Ion Ratio Lower Upper

105 100

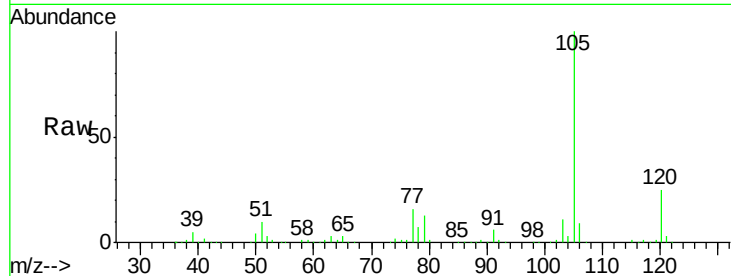
120 25.7 12.9 38.7

Manual Integrations

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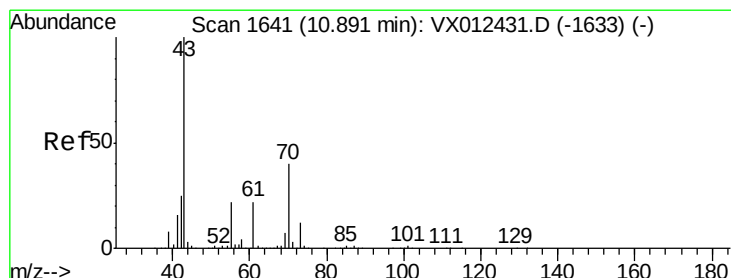
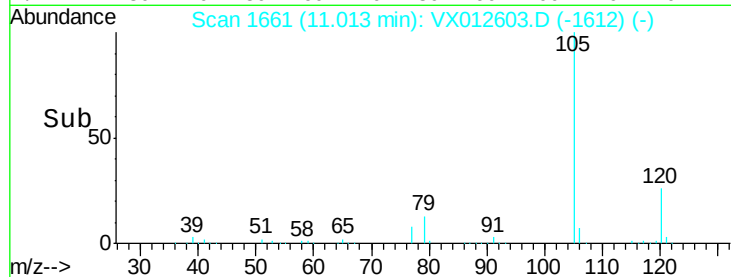
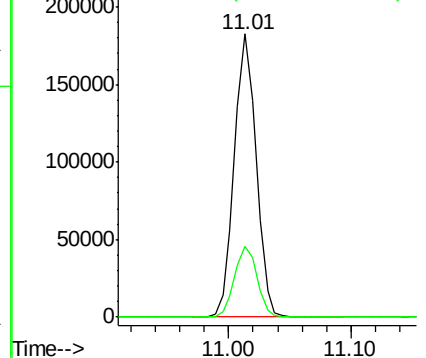
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 16.773 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012603.D

Acq: 23 Sep 2019 14:47

Tgt Ion: 43 Resp: 103409

Ion Ratio Lower Upper

43 100

70 41.7 32.4 48.6

55 23.4 18.2 27.4

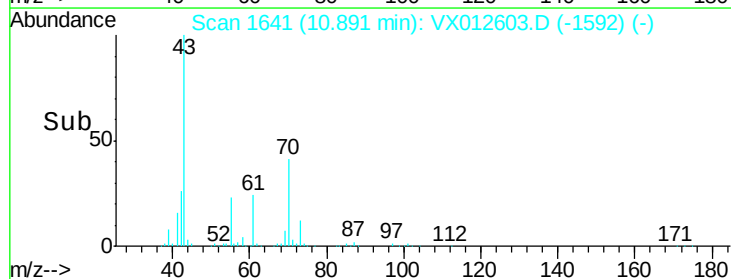
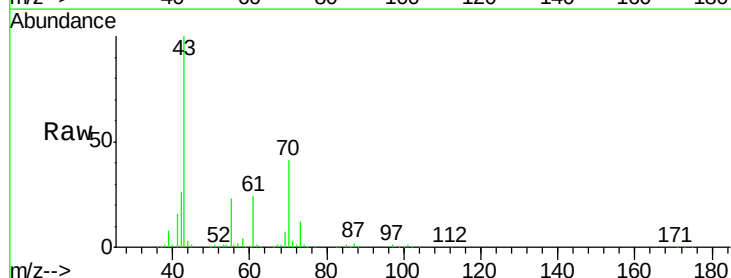
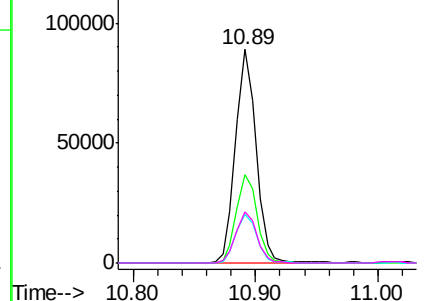
61 24.4 18.5 27.7

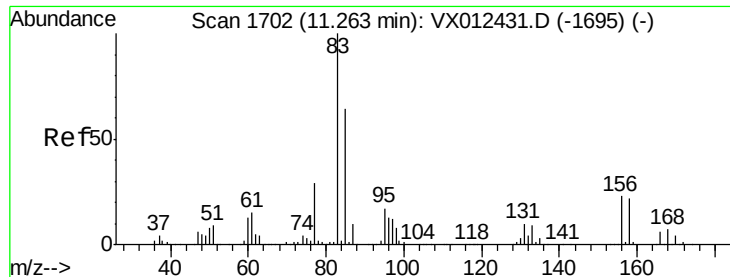
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 16.721 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012603.D

Acq: 23 Sep 2019 14:47

Instrument :

MSVOA_X

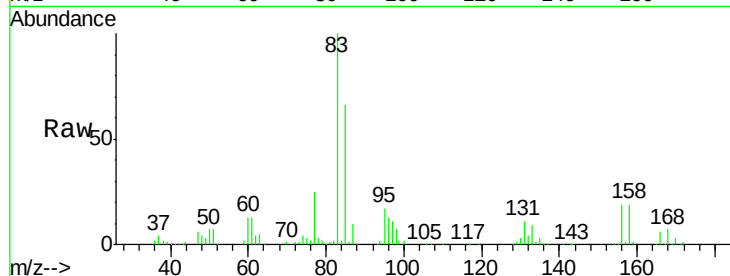
ClientSampleId :

VX0923WBS01

Tot Ion:	83	Resp:	71566
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.2	15.6
85	65.5	32.0	96.0

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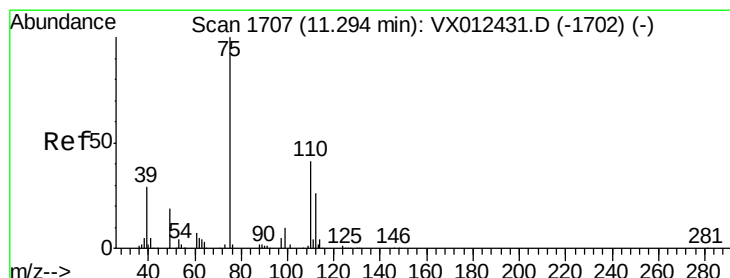
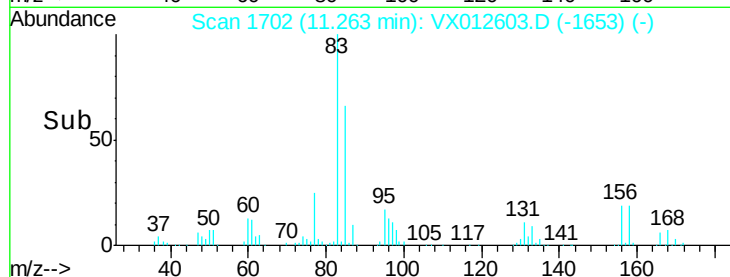
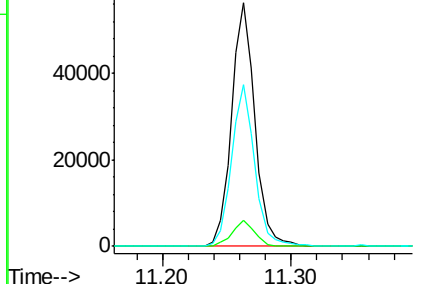
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 14.700 ug/l m

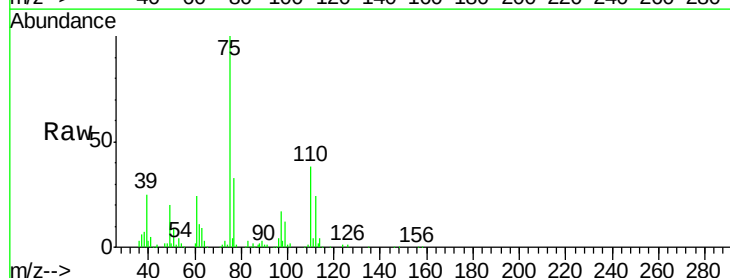
RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX012603.D

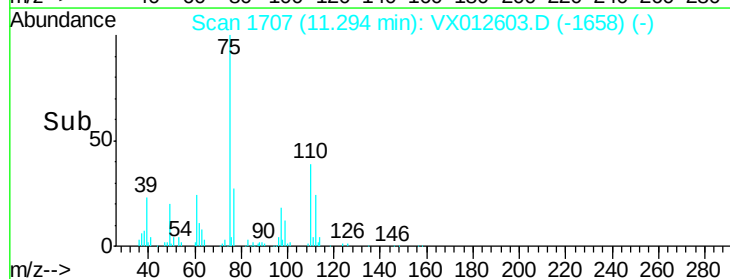
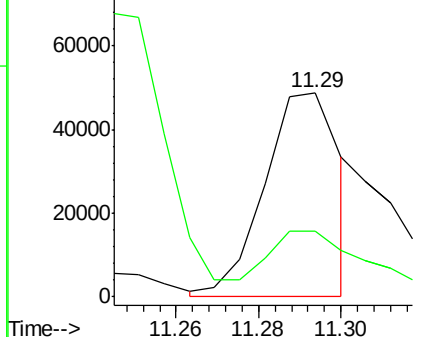
Acq: 23 Sep 2019 14:47

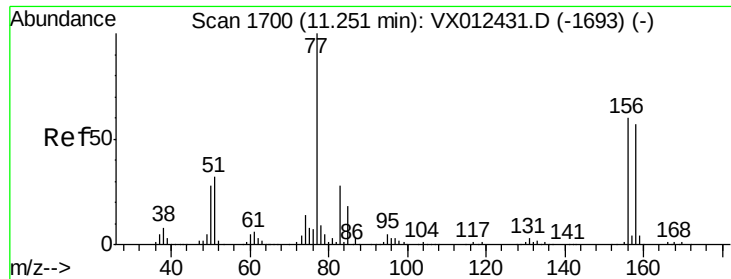
Tgt Ion:	75	Resp:	61700
Ion Ratio	Lower	Upper	
75	100		
77	43.2	19.7	59.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





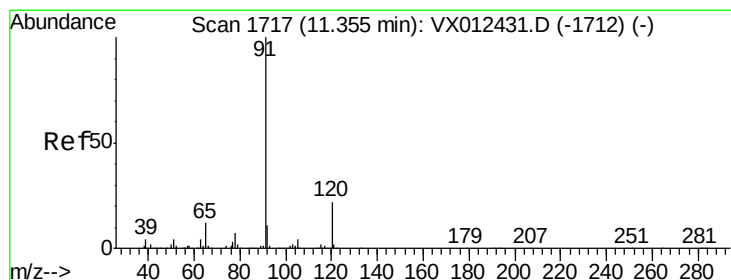
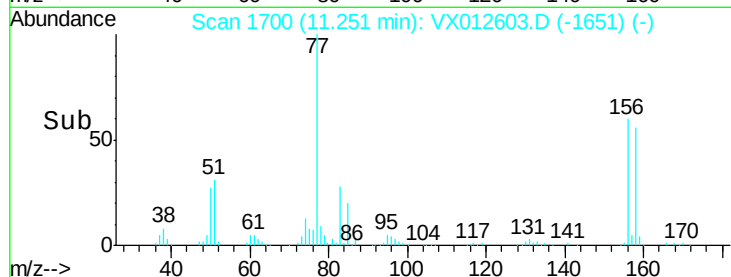
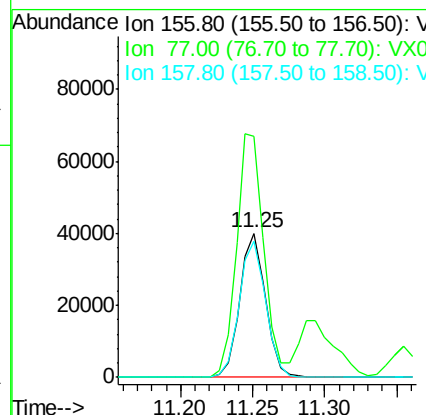
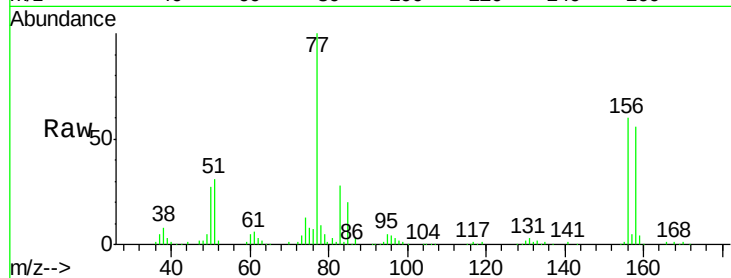
#77
Bromobenzene
Concen: 17.040 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VX012603.D
Acq: 23 Sep 2019 14:47

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		49838		
77	181.6	87.3	261.8		
158	97.8	48.5	145.6		

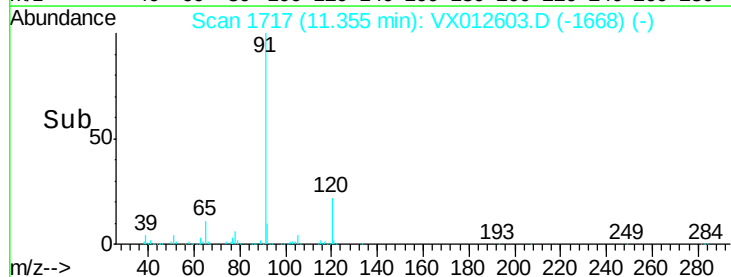
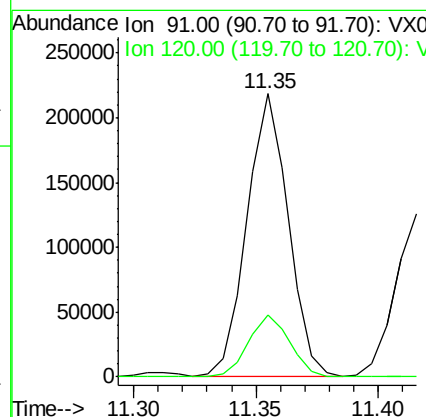
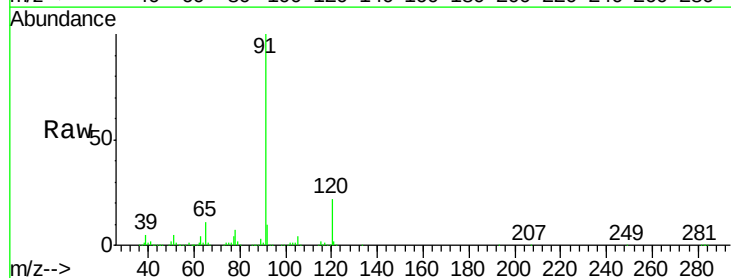
Manual Integrations
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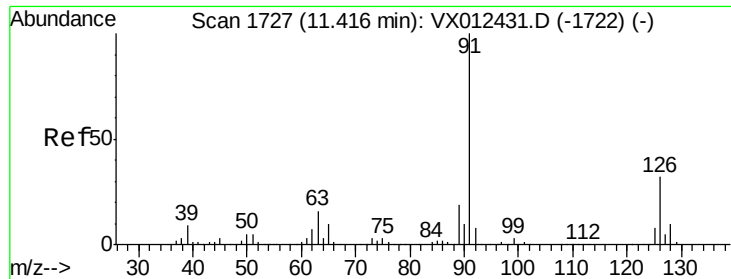
MMDadoda
9/24/2019 10:06:05 AM



#78
n-propylbenzene
Concen: 17.567 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VX012603.D
Acq: 23 Sep 2019 14:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		255584		
120	22.2	11.3	33.8		





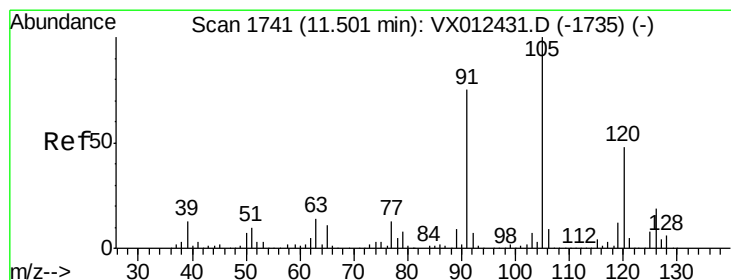
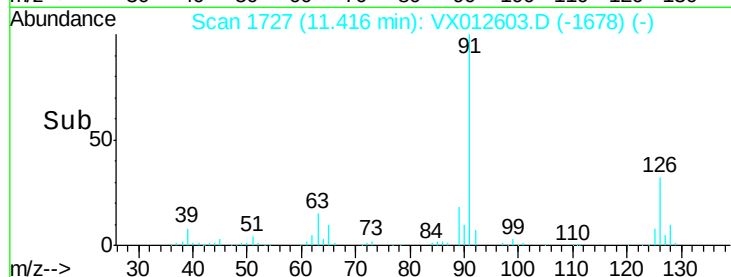
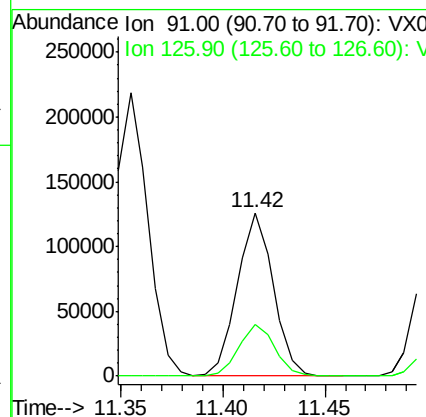
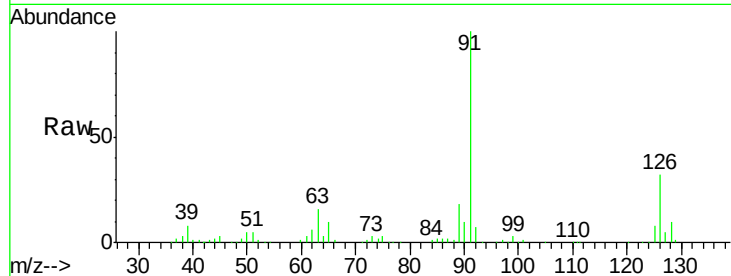
#79
 2-Chlorotoluene
 Concen: 16.846 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX012603.D
 Acq: 23 Sep 2019 14:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0923WBS01

Tot Ion: 91 Resp: 152897
 Ion Ratio Lower Upper
 91 100
 126 32.1 16.4 49.4

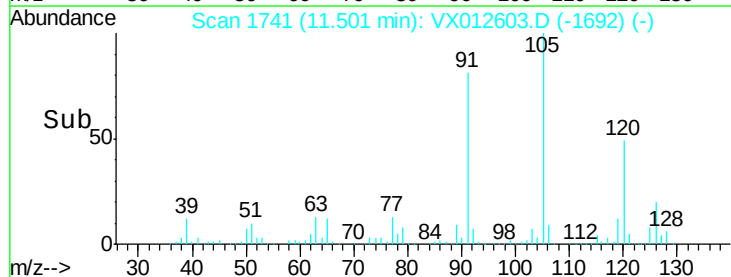
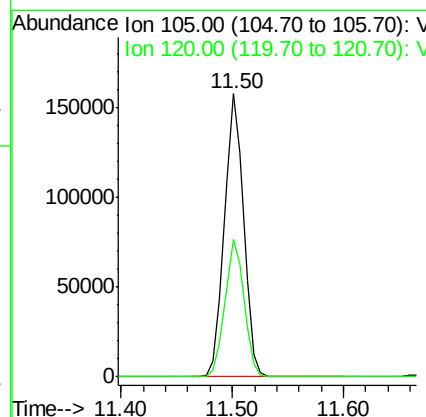
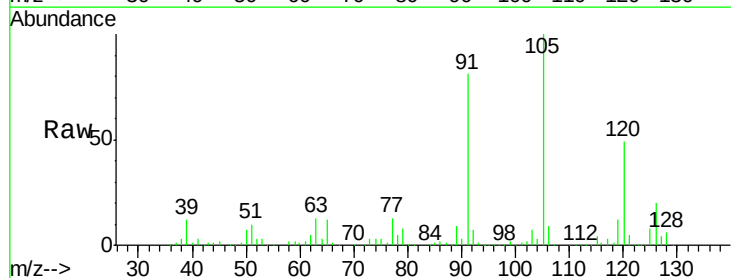
Manual Integrations
 APPROVED

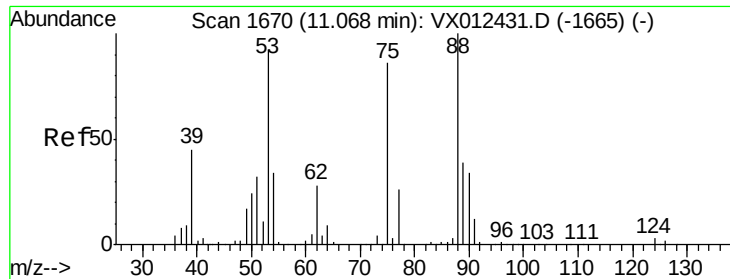
MMDadoda
 9/24/2019 10:06:05 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 17.408 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012603.D
 Acq: 23 Sep 2019 14:47

Tgt Ion: 105 Resp: 188656
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 16.198 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012603.D

Acq: 23 Sep 2019 14:47

Instrument :

MSVOA_X

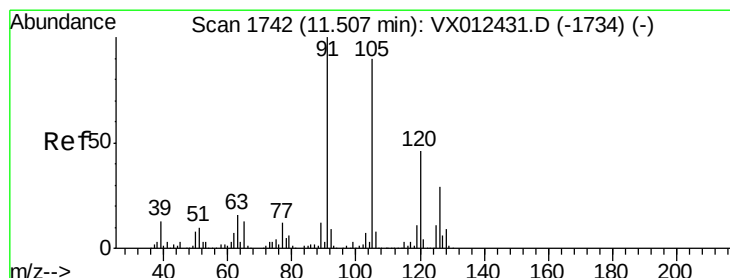
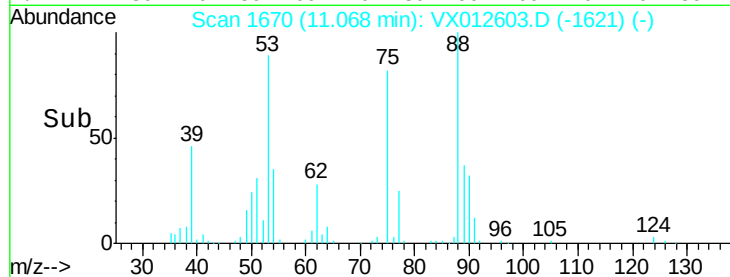
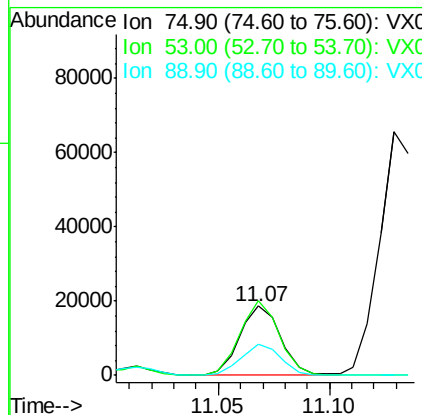
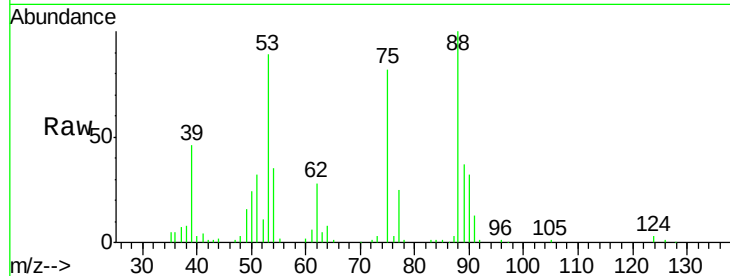
ClientSampled :

VX0923WBS01

Tot Ion:	75	Resp:	23724
Ion	Ratio	Lower	Upper
75	100		
53	105.0	83.6	125.4
89	43.9	36.3	54.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 17.405 ug/l

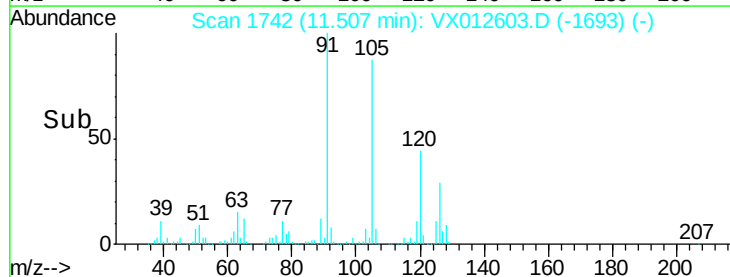
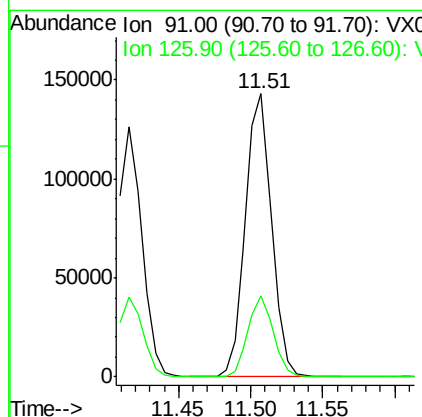
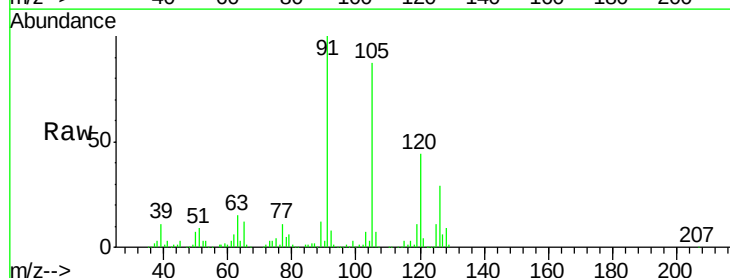
RT: 11.51 min Scan# 1742

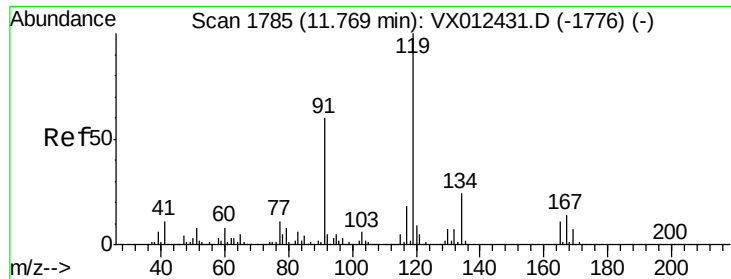
Delta R.T. 0.00 min

Lab File: VX012603.D

Acq: 23 Sep 2019 14:47

Tgt Ion:	91	Resp:	180074
Ion	Ratio	Lower	Upper
91	100		
126	27.7	14.4	43.0





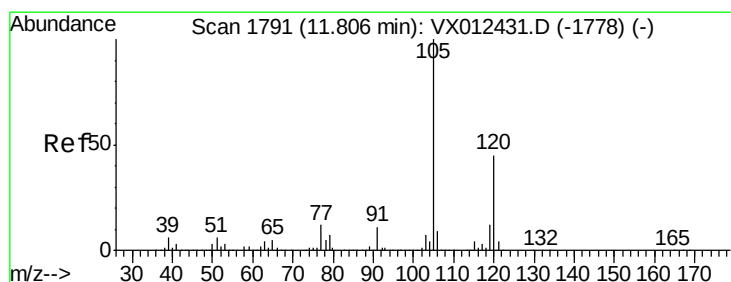
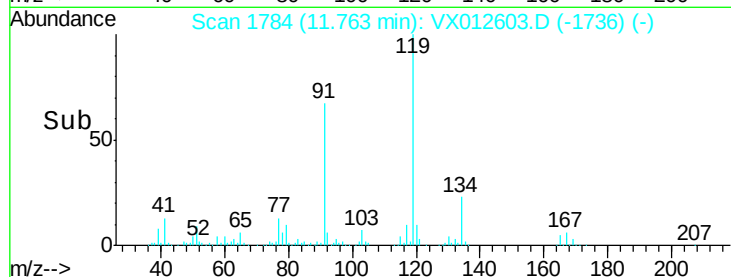
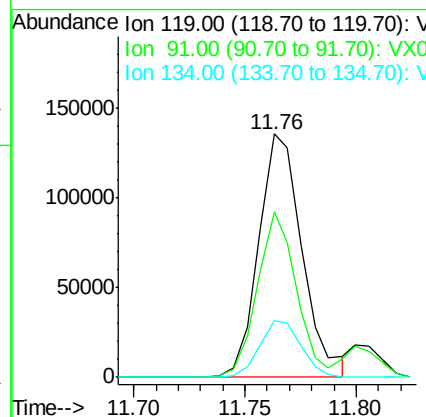
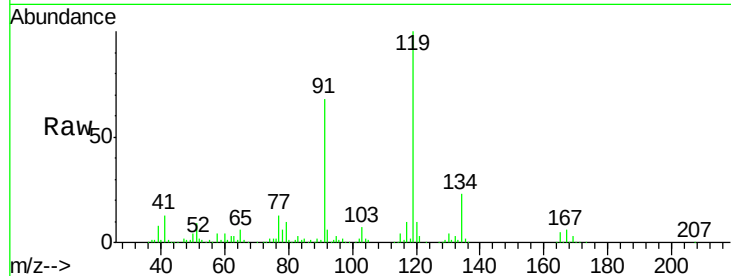
#83
 tert-Butylbenzene
 Concen: 17.610 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: VX012603.D
 Acq: 23 Sep 2019 14:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0923WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	184090		
91	61.1	30.0	90.0	
134	22.6	11.3	33.9	

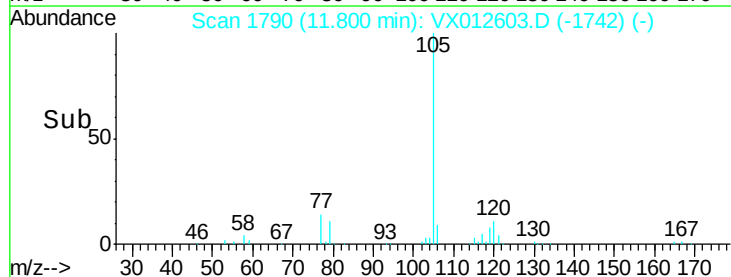
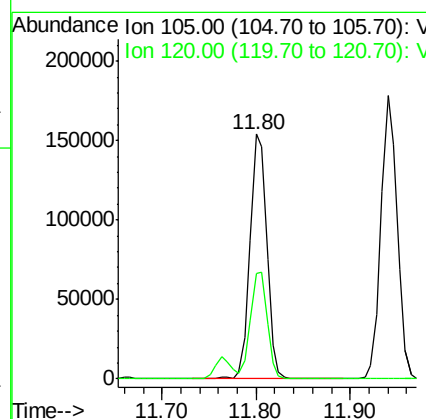
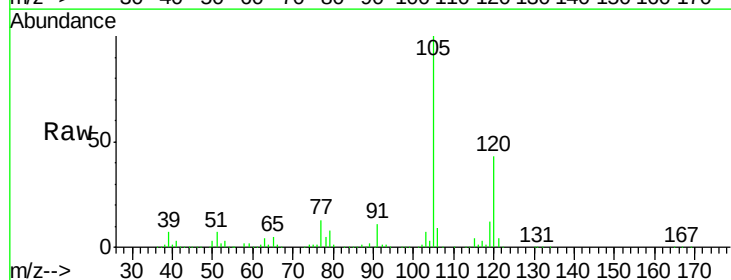
Manual Integrations
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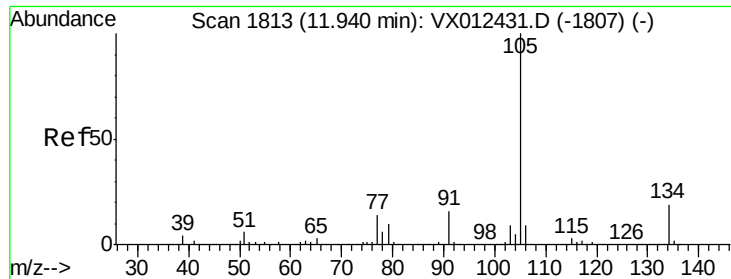
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#84
 1,2,4-Trimethylbenzene
 Concen: 17.562 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX012603.D
 Acq: 23 Sep 2019 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	191992		
120	43.4	22.2	66.6	





#85

sec-Butylbenzene

Concen: 17.589 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012603.D

Acq: 23 Sep 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0923WBS01

Tot Ion:105 Resp: 213867

Ion Ratio Lower Upper

105 100

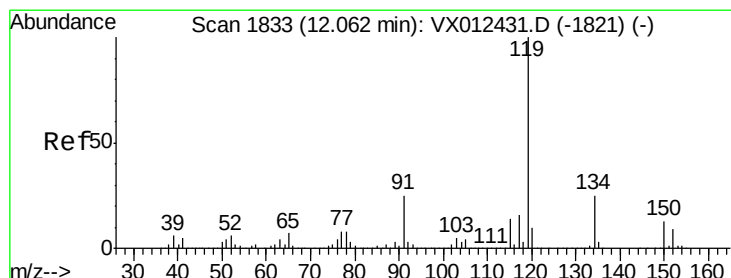
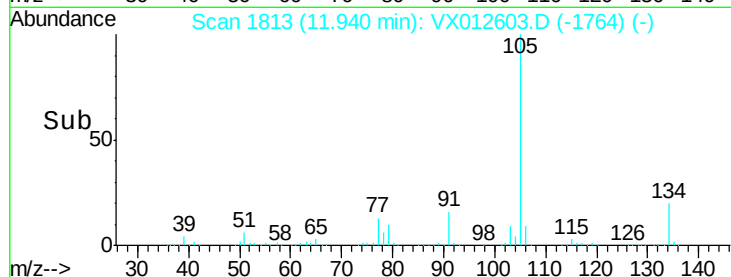
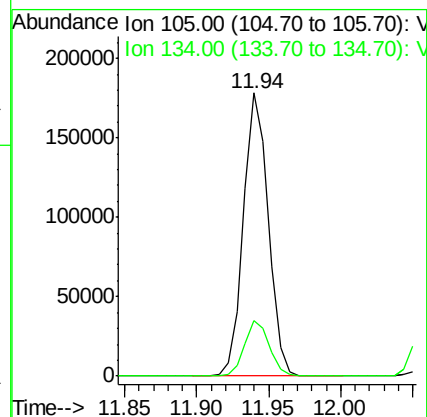
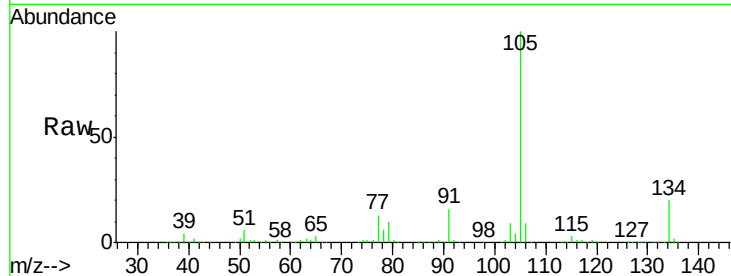
134 19.6 9.8 29.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 18.094 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012603.D

Acq: 23 Sep 2019 14:47

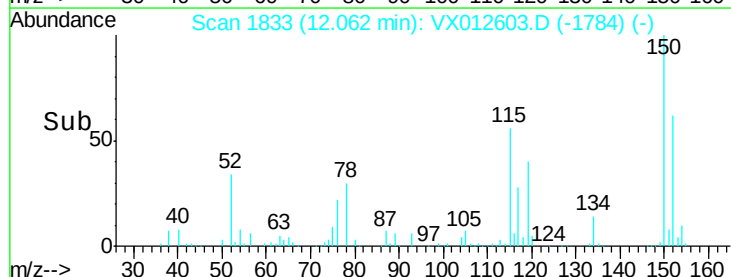
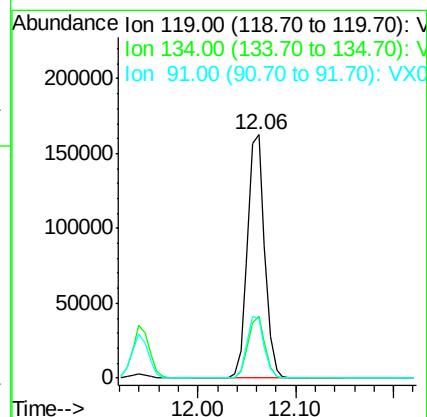
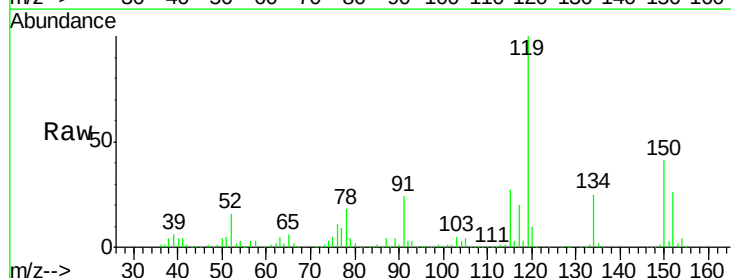
Tgt Ion:119 Resp: 198515

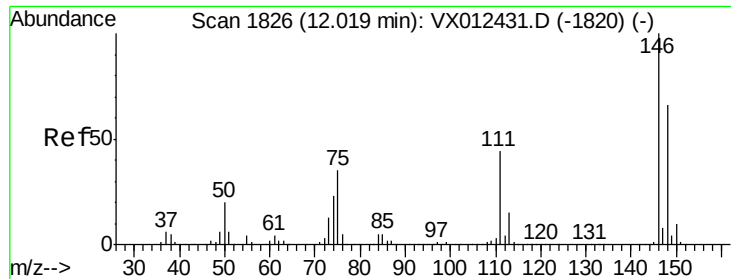
Ion Ratio Lower Upper

119 100

134 25.0 12.7 38.1

91 25.5 12.8 38.4





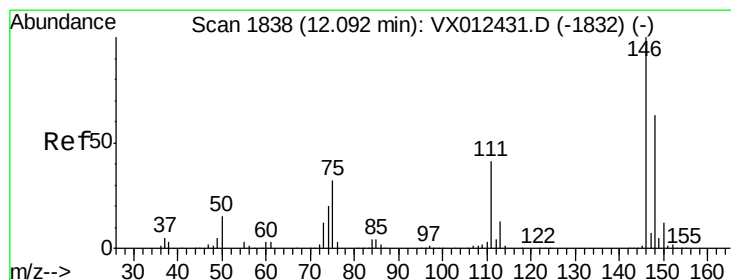
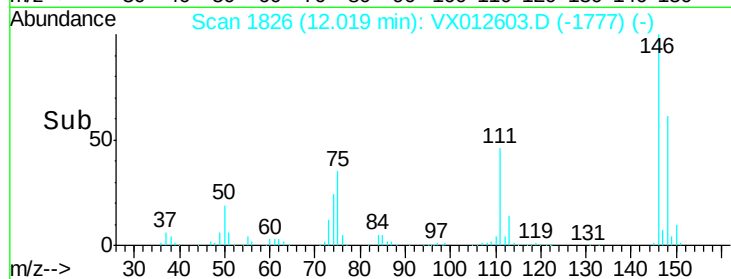
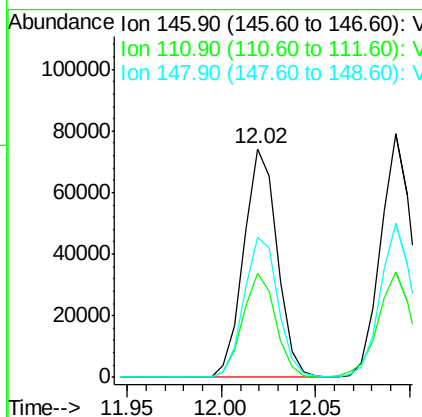
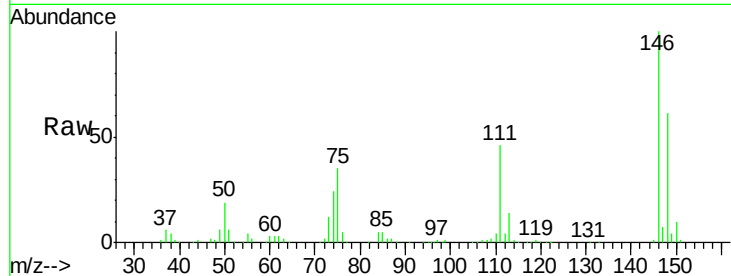
#87
 1,3-Dichlorobenzene
 Concen: 17.471 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012603.D
 Acq: 23 Sep 2019 14:47

Instrument :
 MSVOA_X
 ClientSampled :
 VX0923WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	21.3	64.0
148	62.5	32.4	97.2

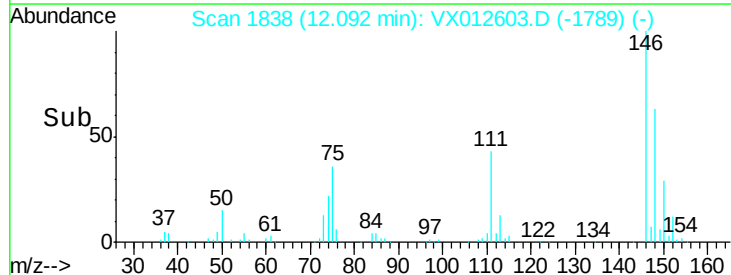
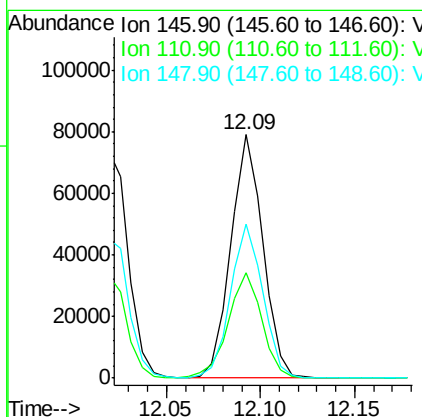
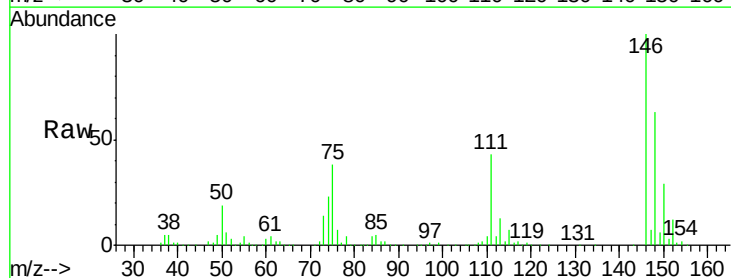
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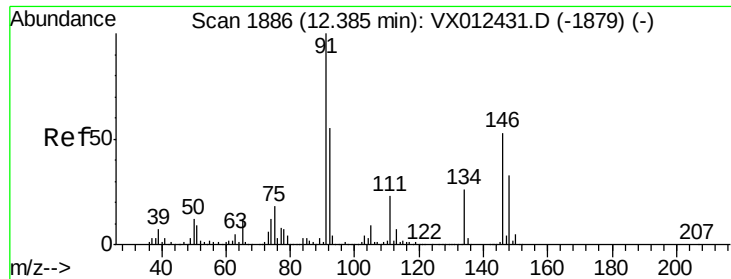
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#88
 1,4-Dichlorobenzene
 Concen: 17.514 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012603.D
 Acq: 23 Sep 2019 14:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.9	21.1	63.3
148	63.8	32.1	96.5





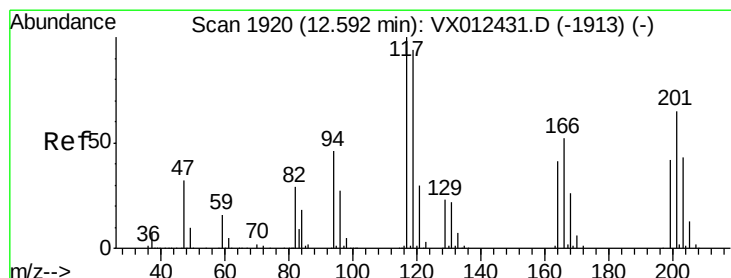
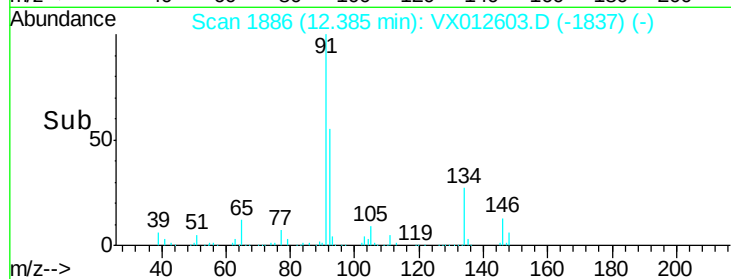
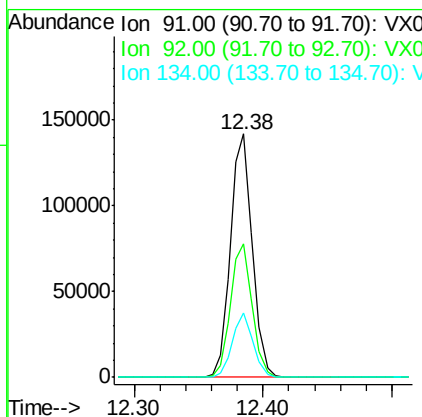
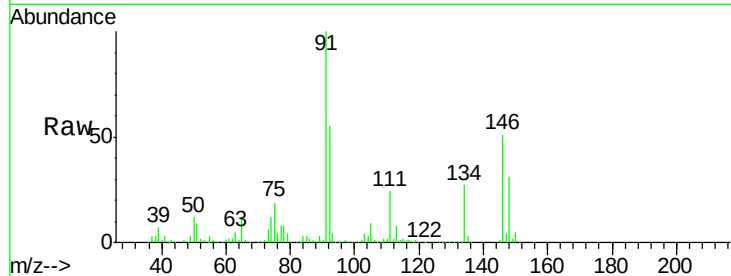
#89
n-Butylbenzene
Concen: 17.485 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012603.D
Acq: 23 Sep 2019 14:47

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		169036		
92	54.4	27.7	83.0		
134	25.3	12.9	38.6		

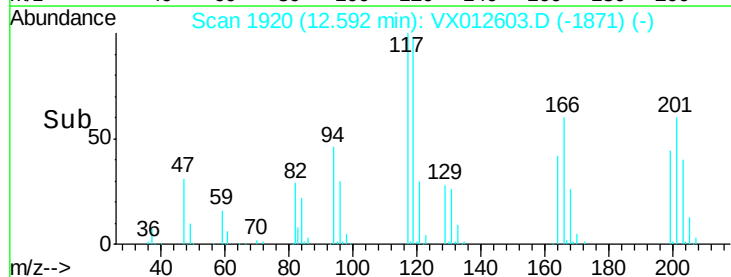
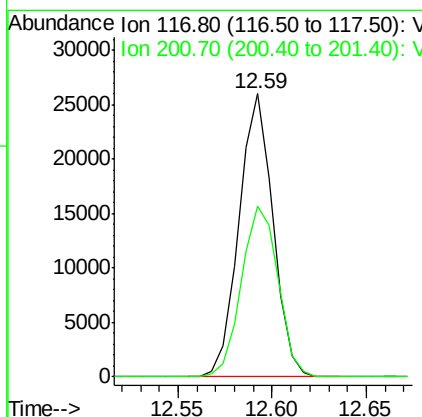
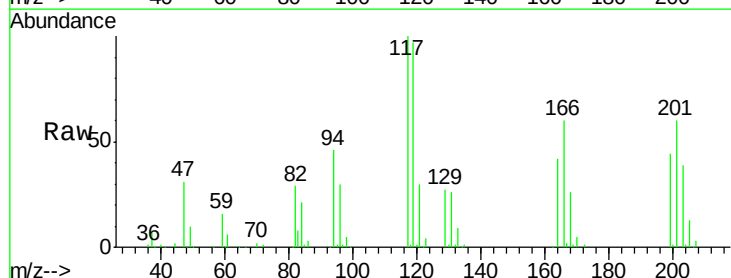
Manual Integrations
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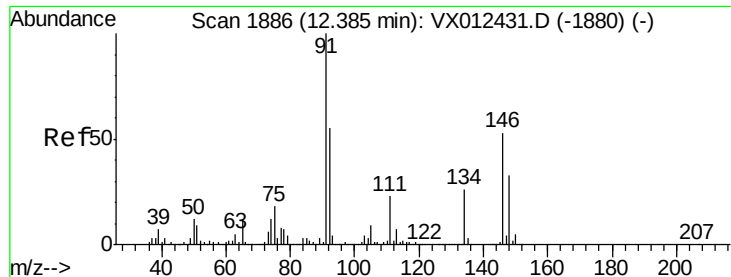
MMDadoda
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#90
Hexachloroethane
Concen: 16.608 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012603.D
Acq: 23 Sep 2019 14:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		32485		
201	64.8	33.3	99.8		





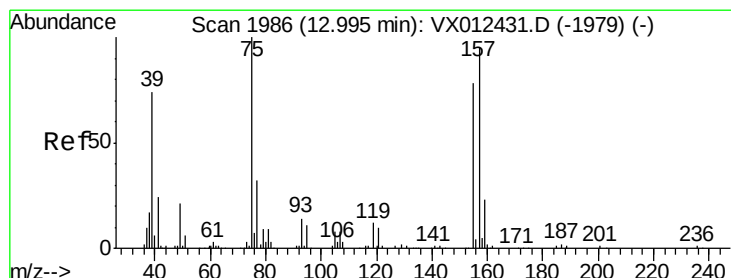
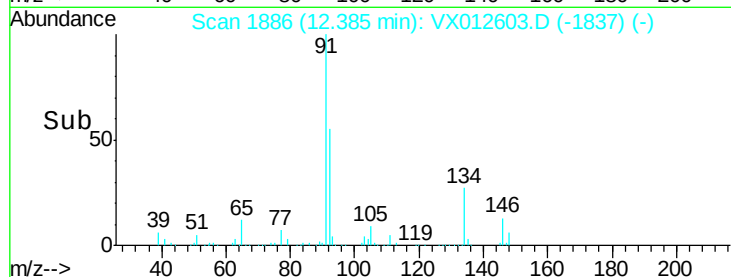
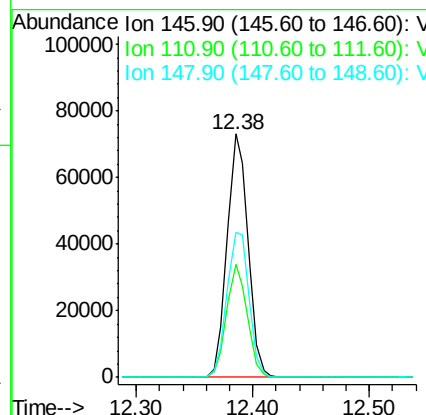
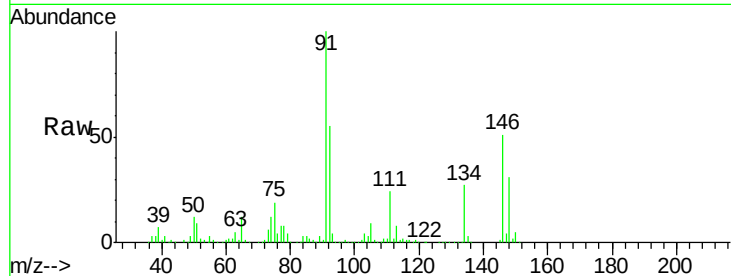
#91
 1,2-Dichlorobenzene
 Concen: 17.237 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012603.D
 Acq: 23 Sep 2019 14:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0923WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.8	22.1	66.1
148	63.2	31.3	93.9

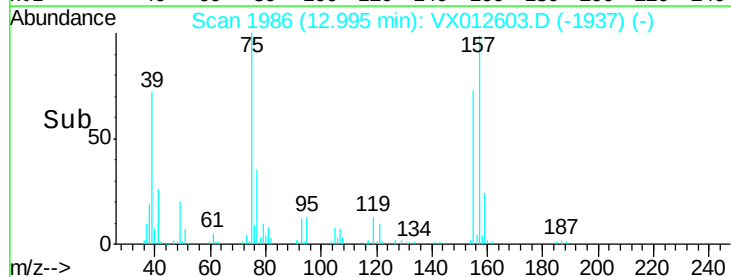
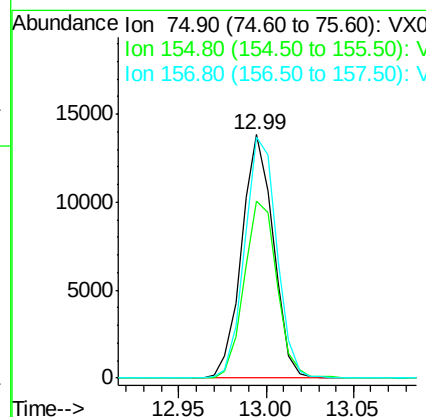
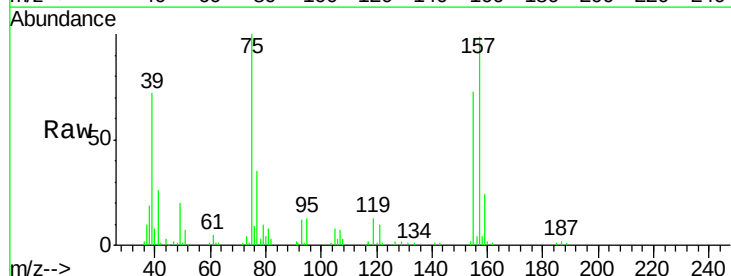
Manual Integrations
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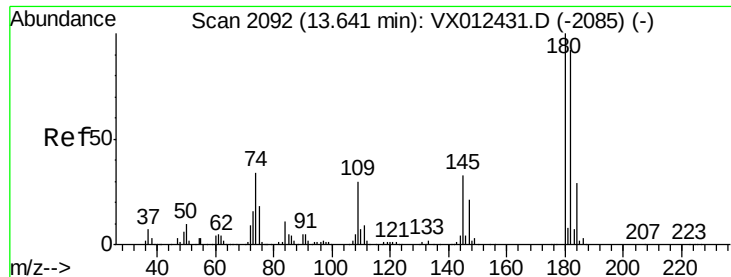
MMDadoda
 9/24/2019 10:06:05 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.197 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012603.D
 Acq: 23 Sep 2019 14:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.2	38.6	115.8
157	100.3	50.6	151.9





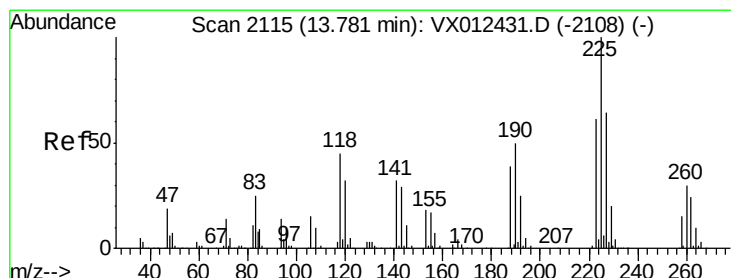
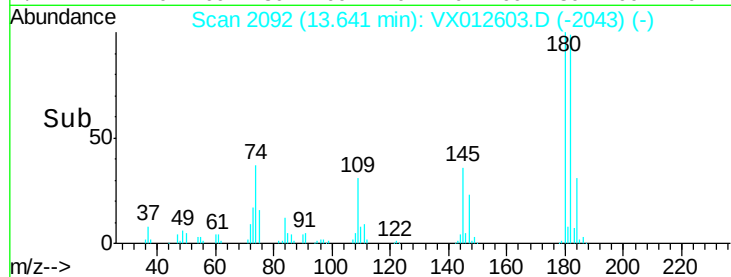
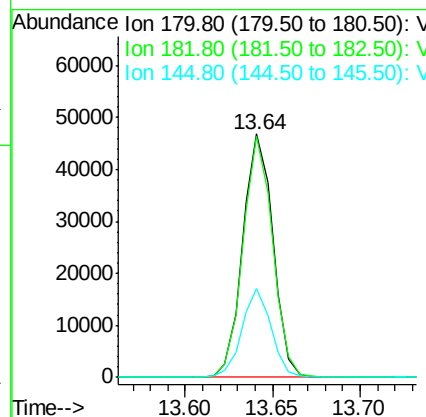
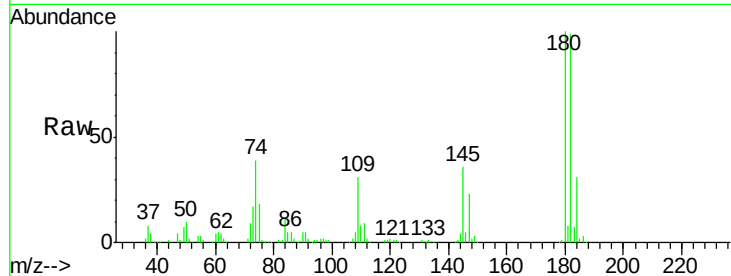
#93
 1,2,4-Trichlorobenzene
 Concen: 17.502 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012603.D
 Acq: 23 Sep 2019 14:47

Instrument :
 MSVOA_X
 ClientSampled :
 VX0923WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.0	141.0
145	35.1	16.8	50.4

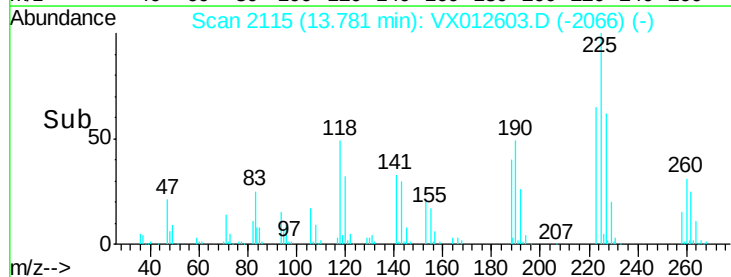
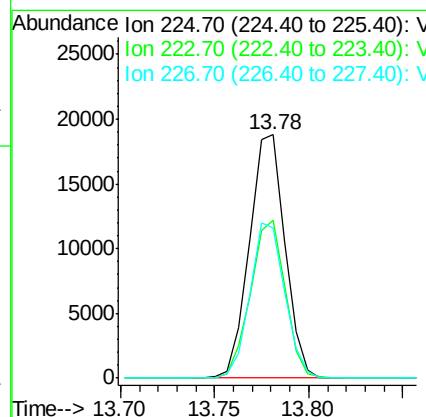
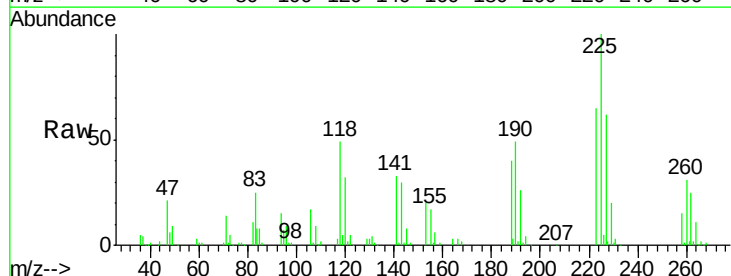
Manual Integrations
 APPROVED

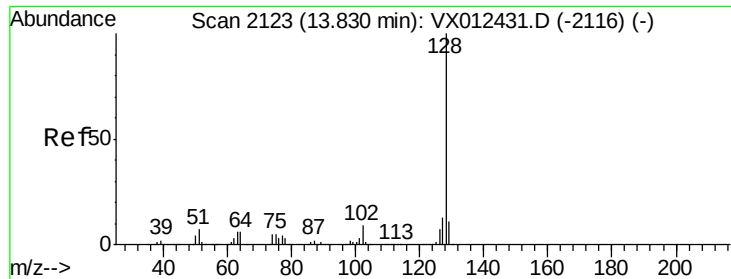
MMDadoda
 9/24/2019 10:06:05 AM



#94
 Hexachlorobutadiene
 Concen: 17.847 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VX012603.D
 Acq: 23 Sep 2019 14:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	32.0	96.2
227	62.2	31.9	95.5





#95

Naphthalene

Concen: 18.085 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012603.D

Acq: 23 Sep 2019 14:47

Instrument :

MSVOA_X

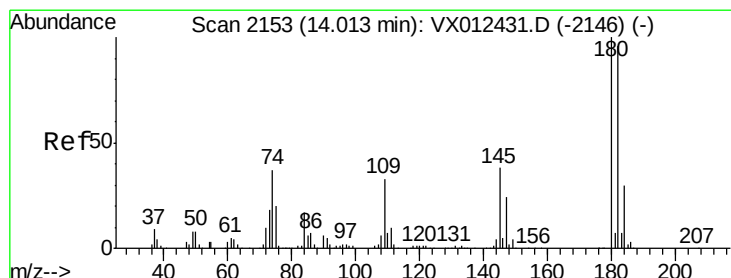
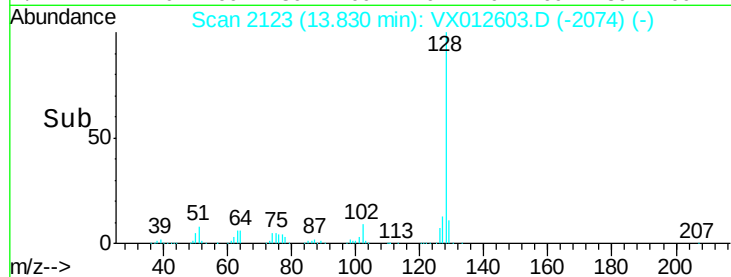
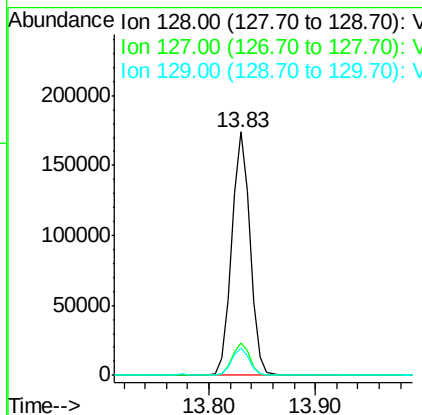
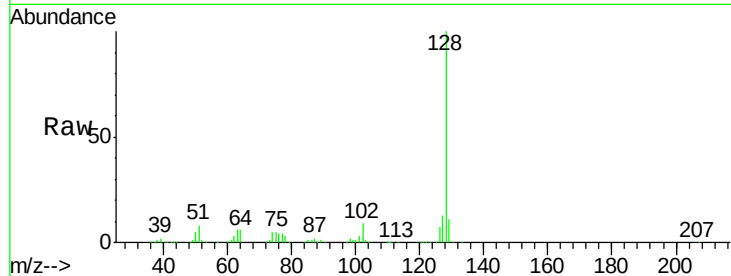
ClientSampleId :

VX0923WBS01

Tot Ion:	128	Resp:	210283
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.4
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/24/2019 10:06:05 AM



#96

1,2,3-Trichlorobenzene

Concen: 17.292 ug/l

RT: 14.02 min Scan# 2154

Delta R.T. 0.01 min

Lab File: VX012603.D

Acq: 23 Sep 2019 14:47

Tgt Ion:	180	Resp:	55668
Ion Ratio	Lower	Upper	
180	100		
182	96.4	47.1	141.3
145	35.9	18.0	54.0

