

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090519\
 Data File : VX012094.D
 Acq On : 05 Sep 2019 12:04
 Operator : SY/SP
 Sample : VX0905SBS01
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 3:47:11 PM

Quant Time: Sep 06 05:57:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	131463	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	235600	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	215286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	106052	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	88127	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
35) Dibromofluoromethane	5.48	113	70558	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
50) Toluene-d8	8.71	98	270317	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
62) 4-Bromofluorobenzene	11.14	95	117437	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	24465	20.181	ug/l	99
3) Chloromethane	1.31	50	24393	19.647	ug/l	100
4) Vinyl Chloride	1.39	62	23030	19.716	ug/l	99
5) Bromomethane	1.62	94	11276	19.460	ug/l	95
6) Chloroethane	1.70	64	14999	20.655	ug/l	100
7) Trichlorofluoromethane	1.91	101	37786	20.827	ug/l	98
8) Diethyl Ether	2.17	74	12137	19.358	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.37	101	27355	20.357	ug/l #	84
10) Methyl Iodide	2.50	142	16545	17.449	ug/l	93
11) Tert butyl alcohol	3.03	59	16161	92.758	ug/l #	91
12) 1,1-Dichloroethene	2.36	96	24640	19.034	ug/l	87
13) Acrolein	2.28	56	5206	97.747	ug/l	96
14) Allyl chloride	2.71	41	45725	19.521	ug/l	97
15) Acrylonitrile	3.12	53	37217	94.465	ug/l	98
16) Acetone	2.43	43	39599	91.333	ug/l	99
17) Carbon Disulfide	2.56	76	63169	16.697	ug/l	100
18) Methyl Acetate	2.76	43	19716	19.303	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	82379	19.547	ug/l	99
20) Methylene Chloride	2.84	84	34032	19.547	ug/l	100
21) trans-1,2-Dichloroethene	3.15	96	29219	19.235	ug/l	92
22) Diisopropyl ether	3.84	45	96136	20.136	ug/l	97
23) Vinyl Acetate	3.80	43	297969	96.478	ug/l	100
24) 1,1-Dichloroethane	3.68	63	55032	19.874	ug/l	98
25) 2-Butanone	4.66	43	52629	95.360	ug/l	95
26) 2,2-Dichloropropane	4.56	77	52755	20.636	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	34801	19.544	ug/l	92
28) Bromochloromethane	5.00	49	22828	20.653	ug/l	83
29) Tetrahydrofuran	5.12	42	31884	95.886	ug/l	98
30) Chloroform	5.19	83	59585	20.054	ug/l	97
31) Cyclohexane	5.56	56	42700	19.201	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	53815	20.796	ug/l	97
36) 1,1-Dichloropropene	5.79	75	40677	19.603	ug/l	95
37) Ethyl Acetate	4.81	43	22098	19.584	ug/l	96
38) Carbon Tetrachloride	5.77	117	44995	20.578	ug/l	98

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Manual Integrations
 APPROVED

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Quant Time: Sep 06 05:57:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	46627	19.361	ug/l	93
40) Benzene	6.13	78	117751	19.767	ug/l	98
41) Methacrylonitrile	5.03	41	13426	19.952	ug/l	97
42) 1,2-Dichloroethane	6.18	62	45084	21.031	ug/l	96
43) Isopropyl Acetate	6.43	43	45337	19.760	ug/l	99
44) Trichloroethene	7.20	130	32167	20.020	ug/l	87
45) 1,2-Dichloropropane	7.51	63	31395	20.398	ug/l	94
46) Dibromomethane	7.65	93	17824	19.838	ug/l #	72
47) Bromodichloromethane	7.89	83	45989	20.137	ug/l	99
48) Methyl methacrylate	7.76	41	22081	19.140	ug/l	98
49) 1,4-Dioxane	7.73	88	5708	362.953	ug/l #	86
51) 4-Methyl-2-Pentanone	8.64	43	116295	99.652	ug/l	97
52) Toluene	8.78	92	77230	19.925	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	45833	19.385	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	50634	19.258	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	25376	19.756	ug/l	93
56) Ethyl methacrylate	9.17	69	35829	19.473	ug/l	95
57) 1,3-Dichloropropane	9.37	76	44088	19.891	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	84834	102.273	ug/l	93
59) 2-Hexanone	9.48	43	84765	99.543	ug/l	98
60) Dibromochloromethane	9.57	129	29556	19.307	ug/l	99
61) 1,2-Dibromoethane	9.67	107	24091	19.409	ug/l	97
64) Tetrachloroethene	9.33	164	26912	20.051	ug/l #	88
65) Chlorobenzene	10.14	112	84925	19.993	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	31220	20.101	ug/l	98
67) Ethyl Benzene	10.25	91	156306	20.187	ug/l	96
68) m/p-Xylenes	10.36	106	115581	40.516	ug/l	91
69) o-Xylene	10.70	106	55567	20.087	ug/l	89
70) Styrene	10.71	104	96653	20.116	ug/l	94
71) Bromoform	10.85	173	16661	19.530	ug/l #	93
73) Isopropylbenzene	11.01	105	159288	20.471	ug/l	97
74) N-amyl acetate	10.89	43	43413	18.870	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	30842	19.013	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	23718m	18.304	ug/l	
77) Bromobenzene	11.25	156	34502	19.826	ug/l	71
78) n-propylbenzene	11.35	91	190634	20.279	ug/l	94
79) 2-Chlorotoluene	11.42	91	116321	20.425	ug/l	91
80) 1,3,5-Trimethylbenzene	11.50	105	140424	20.593	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.07	75	9539	17.404	ug/l	89
82) 4-Chlorotoluene	11.51	91	139124	20.495	ug/l	91
83) tert-Butylbenzene	11.76	119	134428	20.683	ug/l	91
84) 1,2,4-Trimethylbenzene	11.80	105	140961	20.113	ug/l	94
85) sec-Butylbenzene	11.94	105	164240	20.345	ug/l	93
86) p-Isopropyltoluene	12.06	119	147091	20.035	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	67972	19.492	ug/l	93
88) 1,4-Dichlorobenzene	12.09	146	69721	19.996	ug/l	93
89) n-Butylbenzene	12.39	91	143165	20.074	ug/l	95
90) Hexachloroethane	12.59	117	27678	18.882	ug/l	56
91) 1,2-Dichlorobenzene	12.39	146	63499	20.219	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	12.99	75	6159	18.144	ug/l	65

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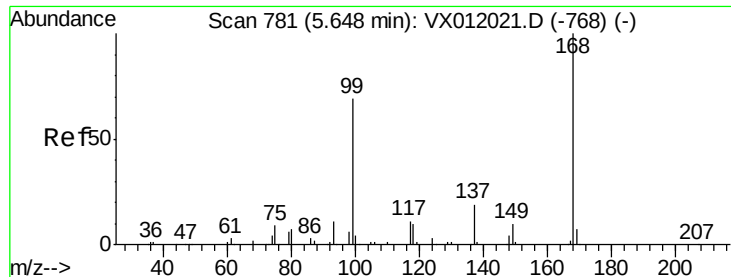
Manual Integrations
APPROVED

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Quant Time: Sep 06 05:57:16 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 03 15:26:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	41161	18.413	ug/l	97
94) Hexachlorobutadiene	13.78	225	22032	19.552	ug/l	99
95) Naphthalene	13.83	128	84387	17.442	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	35243	17.921	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS01

Tot Ion:168 Resp: 131463

Ion Ratio Lower Upper

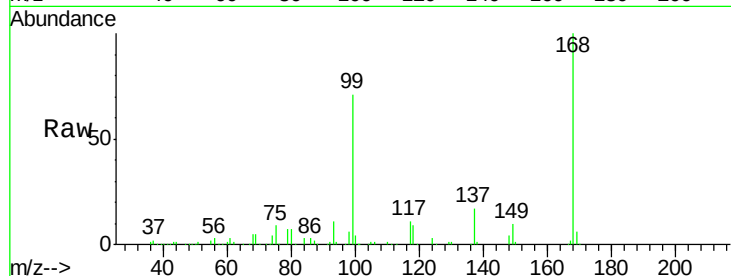
168 100

99 70.5 37.6 56.4#

Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

40000

30000

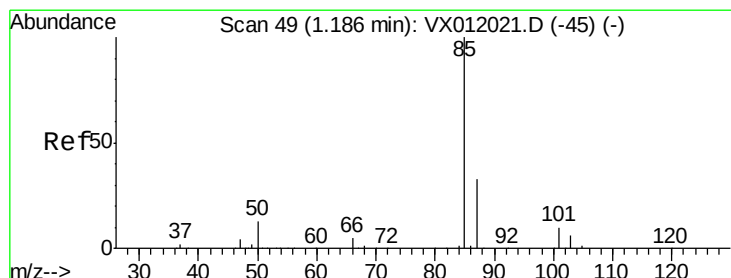
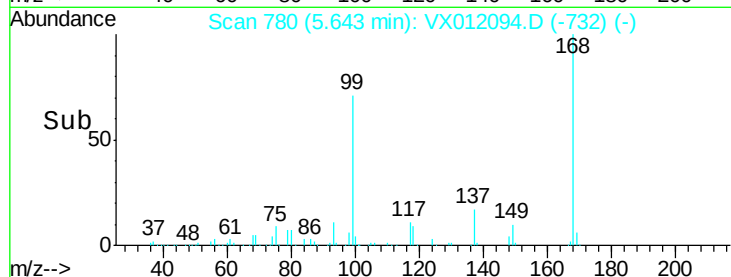
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 20.181 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012094.D

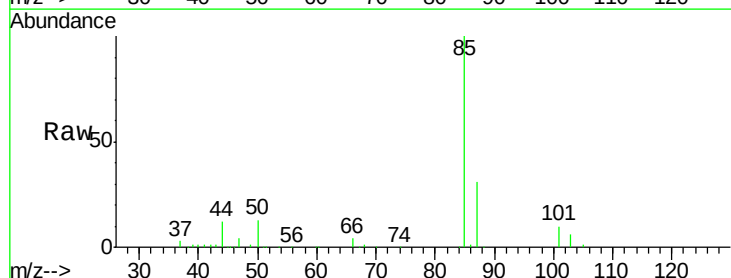
Acq: 05 Sep 2019 12:04

Tgt Ion: 85 Resp: 24465

Ion Ratio Lower Upper

85 100

87 30.7 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

25000

20000

15000

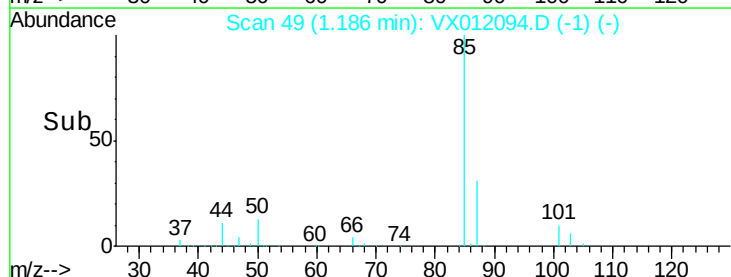
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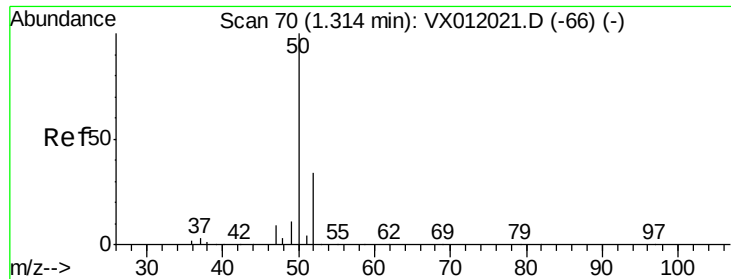
5000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 19.647 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS01

Tot Ion: 50 Resp: 24393

Ion Ratio Lower Upper

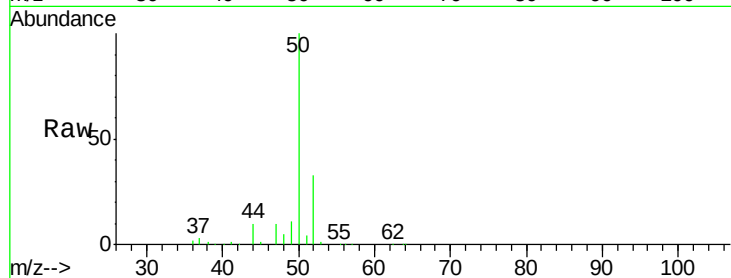
50 100

52 33.2 26.5 39.7

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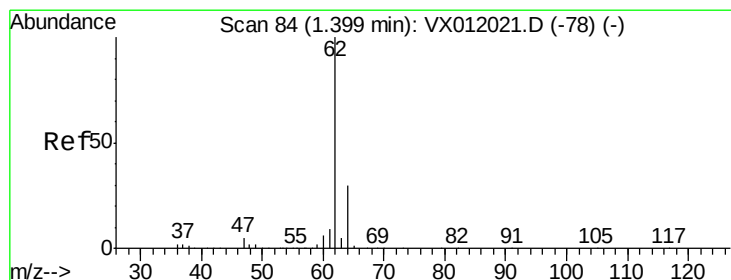
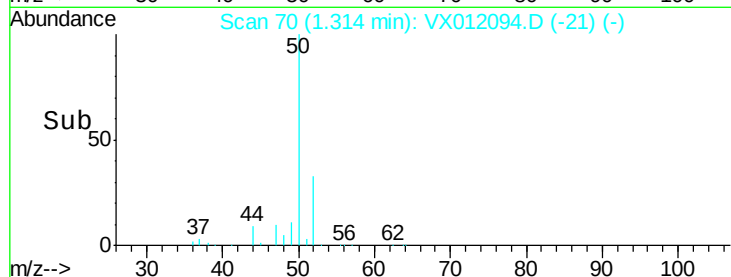
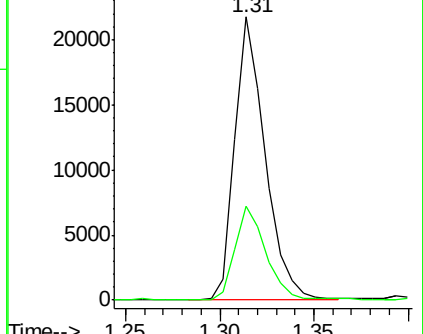
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.716 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX012094.D

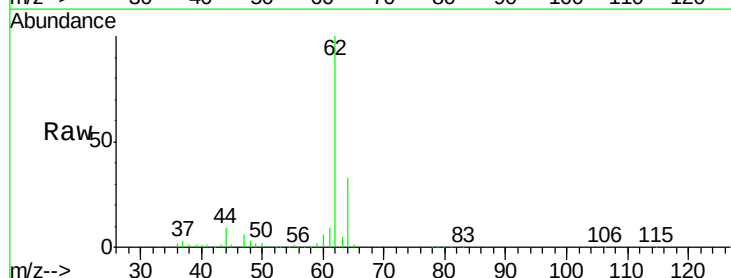
Acq: 05 Sep 2019 12:04

Tgt Ion: 62 Resp: 23030

Ion Ratio Lower Upper

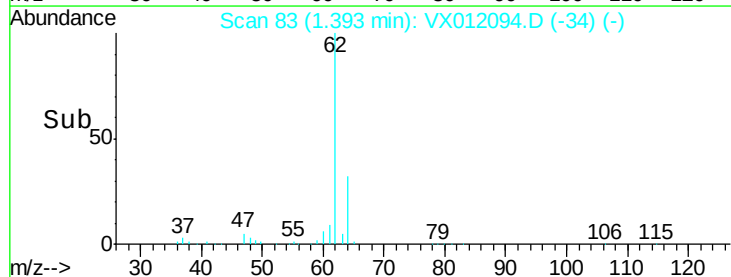
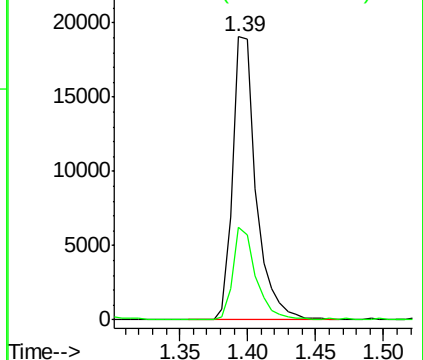
62 100

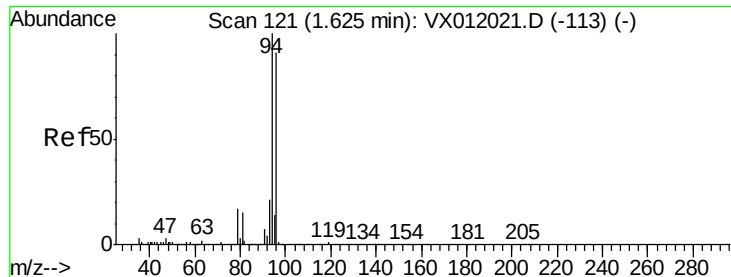
64 32.3 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 19.460 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Instrument :

MSVOA_X

ClientSampled :

VX0905SBS01

Tot Ion: 94 Resp: 11276

Ion Ratio Lower Upper

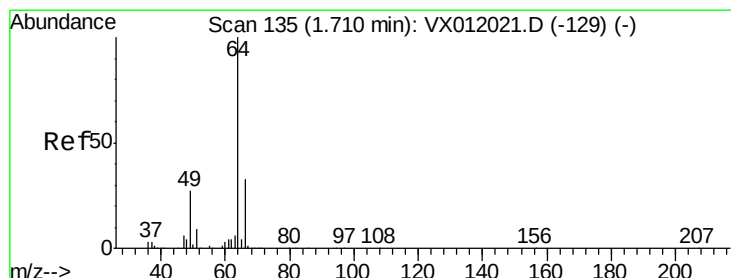
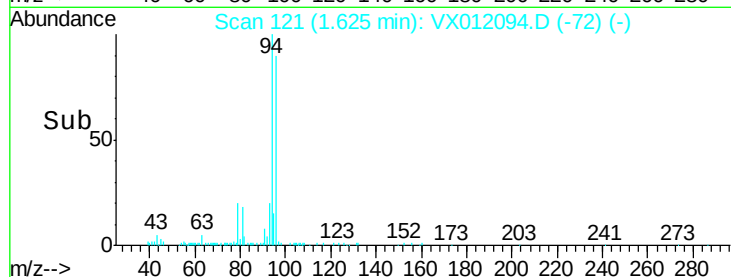
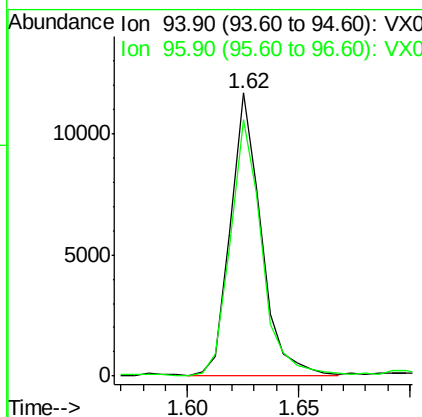
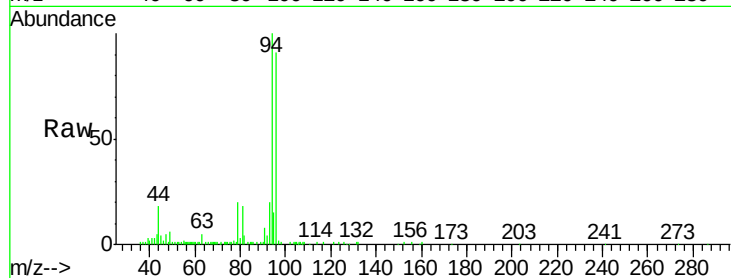
94 100

96 90.7 76.3 114.5

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#6

Chloroethane

Concen: 20.655 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012094.D

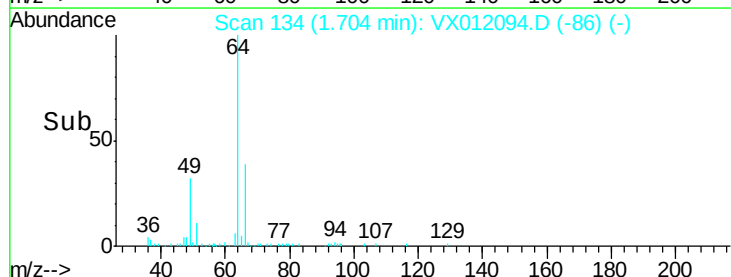
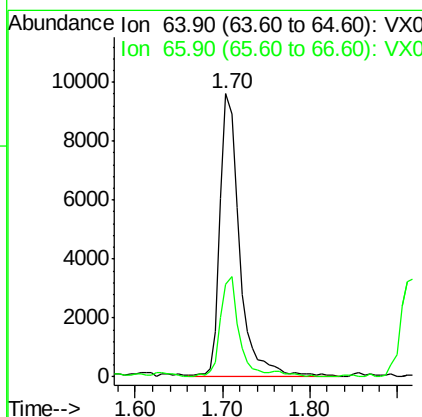
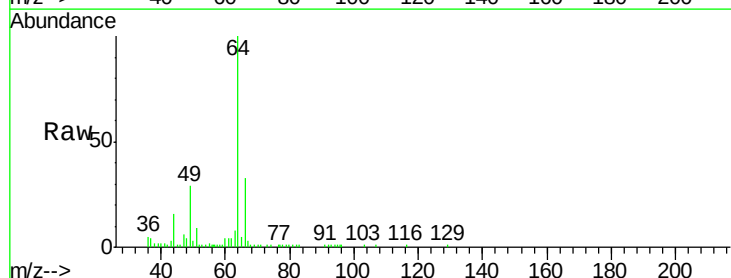
Acq: 05 Sep 2019 12:04

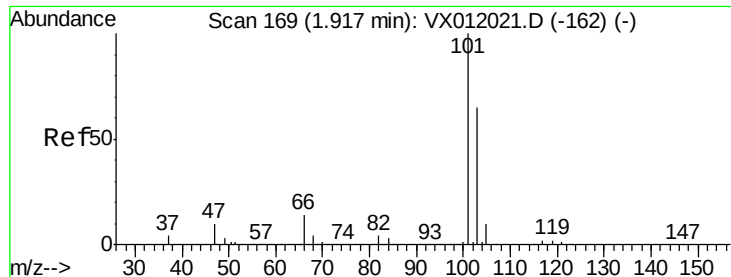
Tgt Ion: 64 Resp: 14999

Ion Ratio Lower Upper

64 100

66 32.9 26.3 39.5





#7

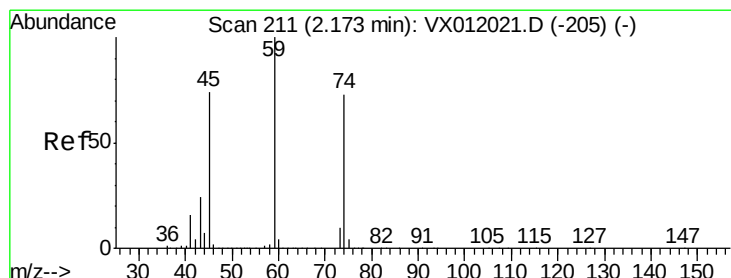
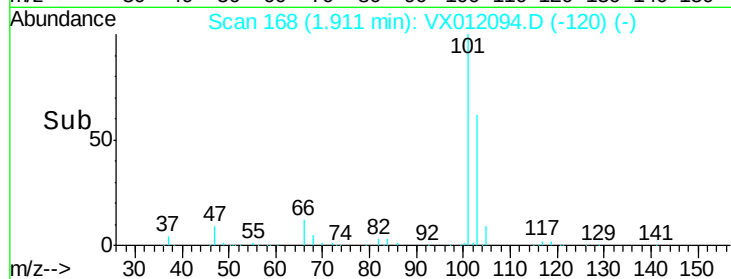
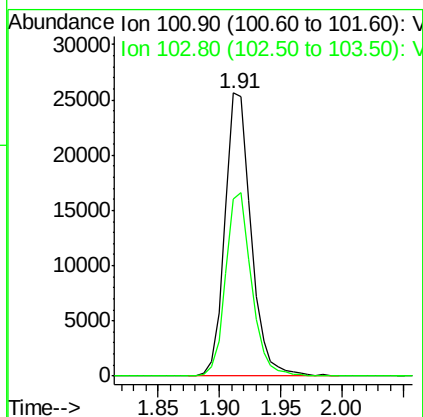
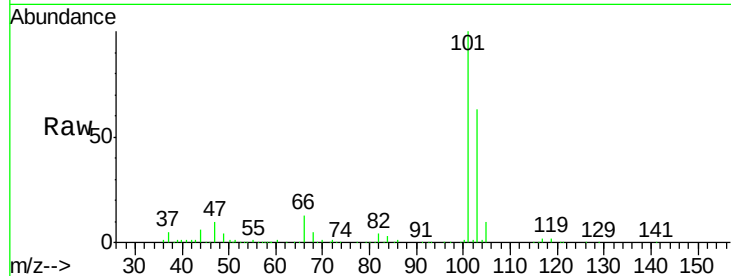
Trichlorofluoromethane
Concen: 20.827 ug/l
RT: 1.91 min Scan# 168
Delta R.T. -0.01 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS01

Tot Ion:101 Resp: 37786
Ion Ratio Lower Upper
101 100
103 62.7 51.6 77.4

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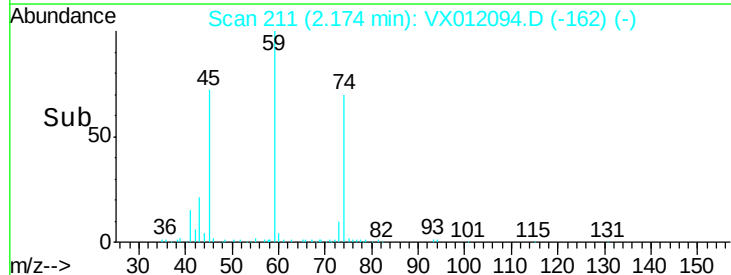
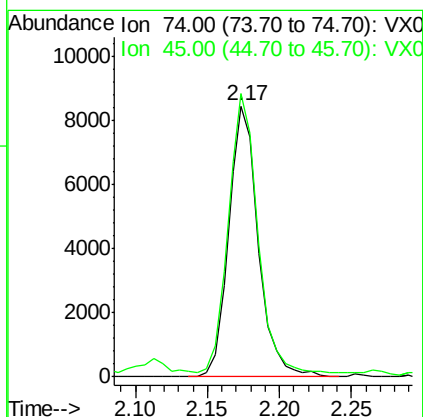
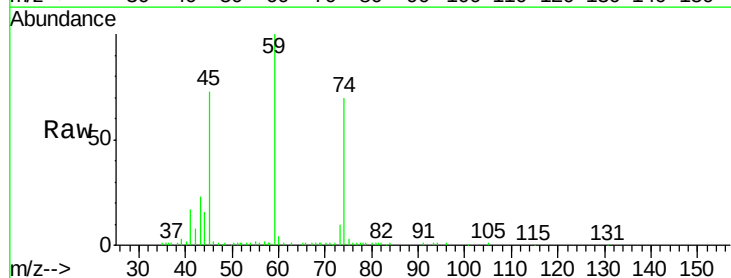
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9/6/2019 3:47:11 PM

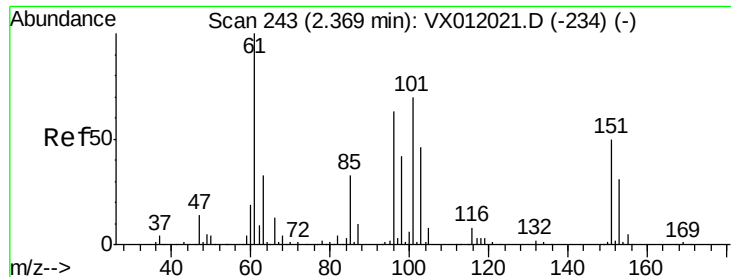


#8

Diethyl Ether
Concen: 19.358 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Tgt Ion: 74 Resp: 12137
Ion Ratio Lower Upper
74 100
45 102.4 45.9 137.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.357 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Instrument :

MSVOA_X

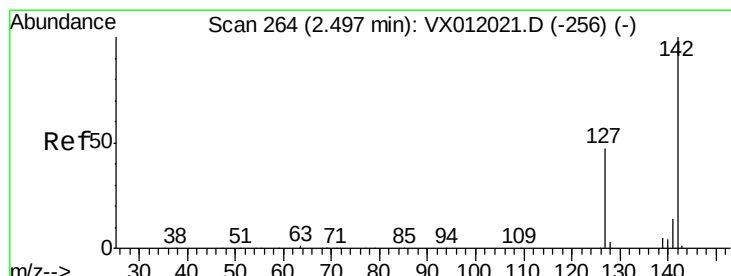
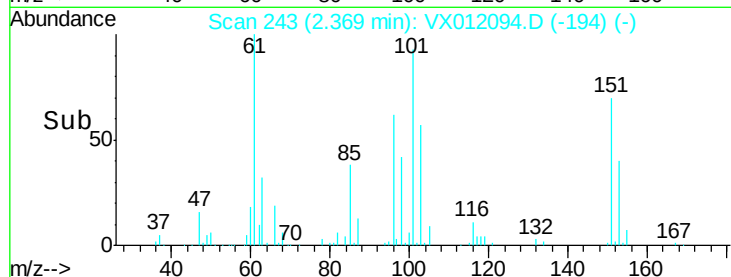
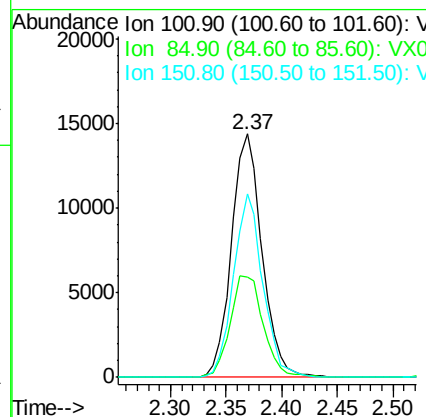
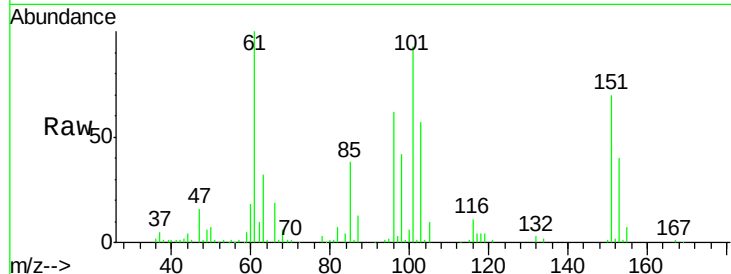
ClientSampleId :

VX0905SBS01

Tot Ion:	101	Resp:	27355
Ion Ratio	Lower	Upper	
101	100		
85	45.1	34.5	51.7
151	72.4	75.0	112.4#

Manual Integrations
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#10

Methyl Iodide

Concen: 17.449 ug/l

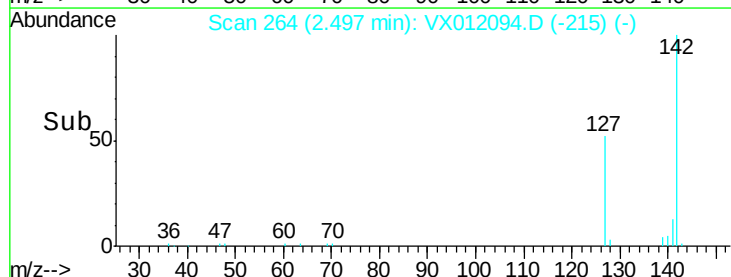
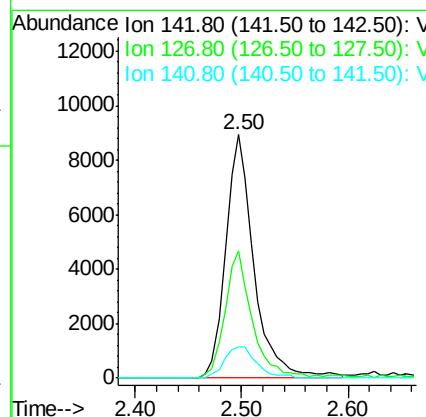
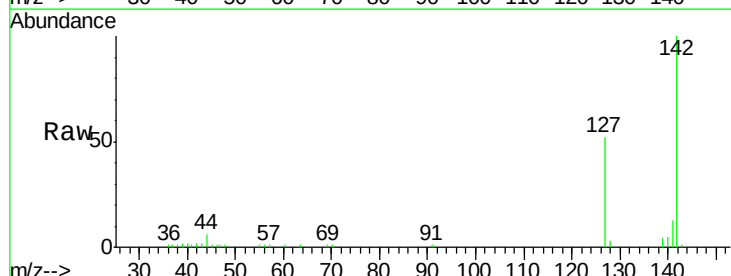
RT: 2.50 min Scan# 264

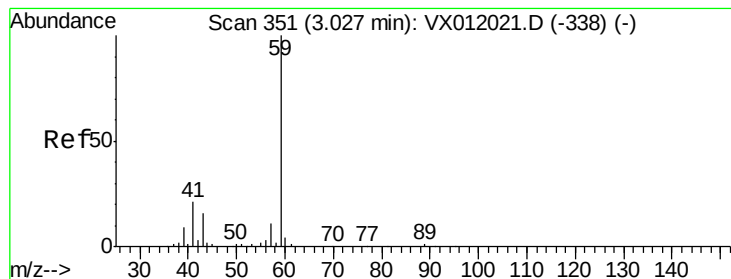
Delta R.T. 0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Tgt Ion:	142	Resp:	16545
Ion Ratio	Lower	Upper	
142	100		
127	50.4	35.4	53.2
141	14.7	11.4	17.2





#11

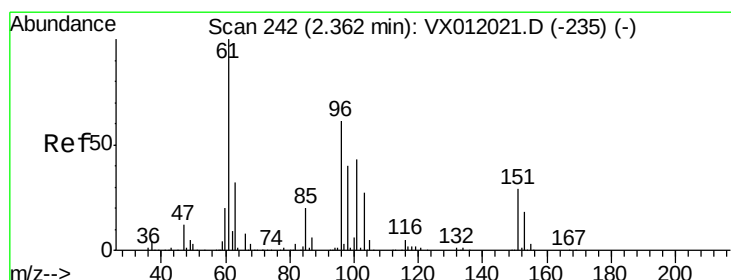
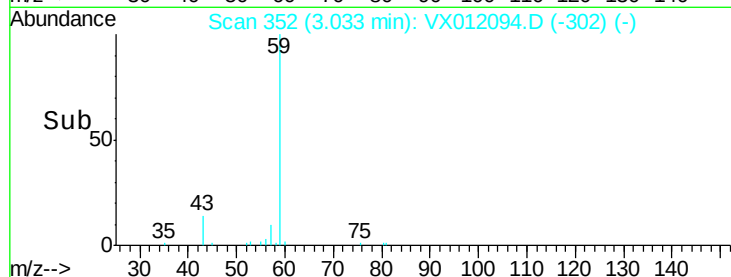
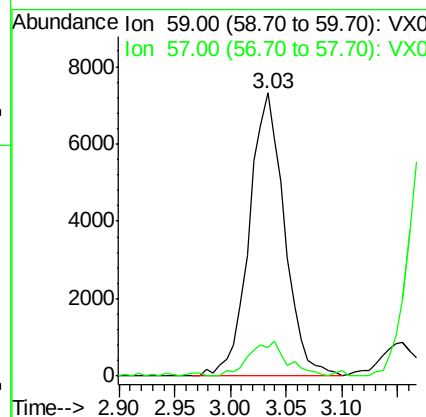
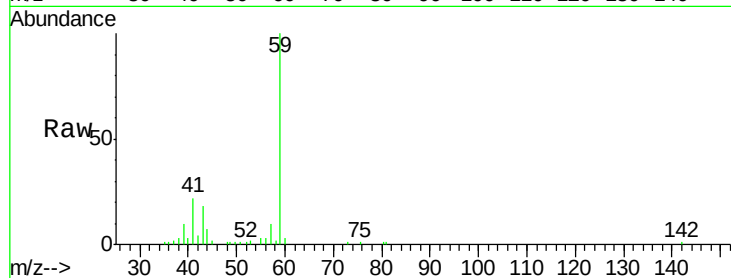
Tert butyl alcohol
 Concen: 92.758 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. 0.01 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS01

Tot Ion: 59 Resp: 16161
 Ion Ratio Lower Upper
 59 100
 57 13.2 7.9 11.9#

Manual Integrations
 APPROVED

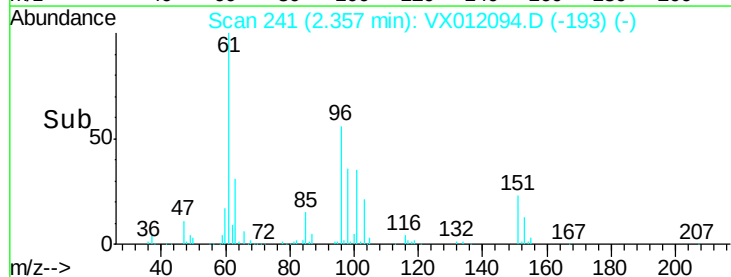
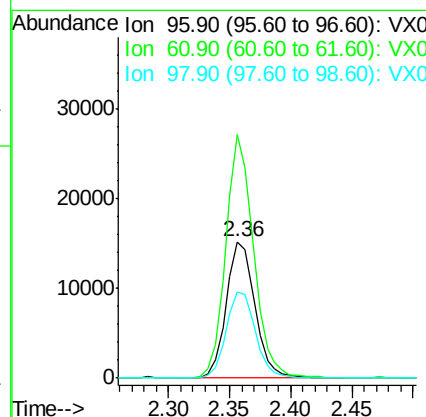
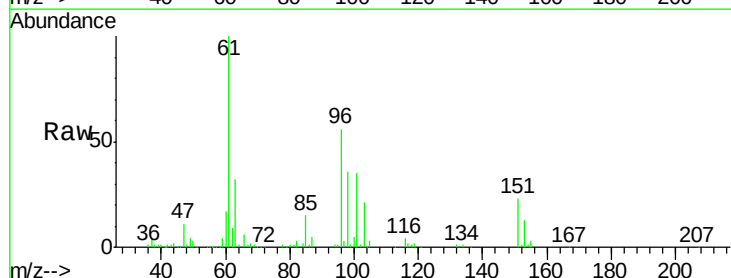
MMDadoda
 9/6/2019 3:47:11 PM

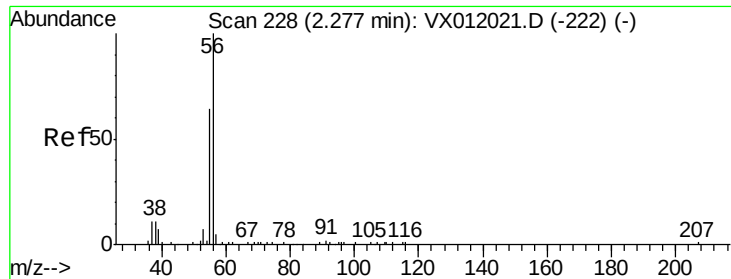


#12

1,1-Dichloroethene
 Concen: 19.034 ug/l
 RT: 2.36 min Scan# 241
 Delta R.T. -0.01 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

Tgt Ion: 96 Resp: 24640
 Ion Ratio Lower Upper
 96 100
 61 178.8 124.1 186.1
 98 63.7 50.2 75.2





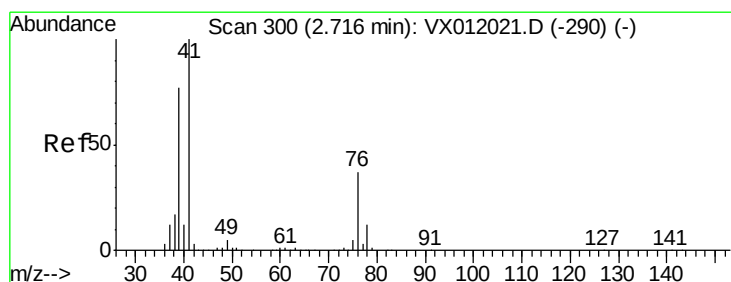
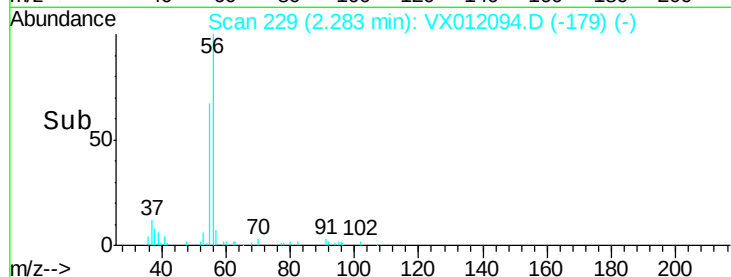
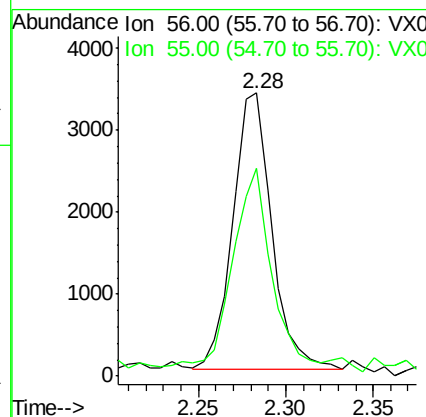
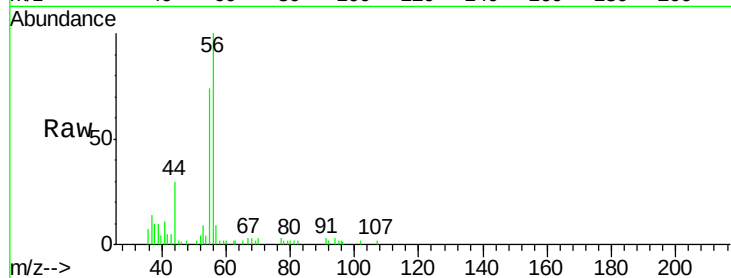
#13
Acrolein
Concen: 97.747 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.01 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.8	59.2	88.8

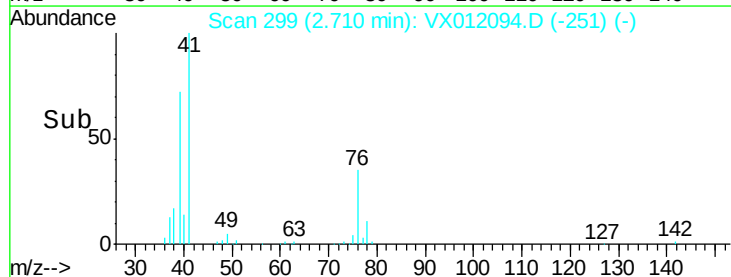
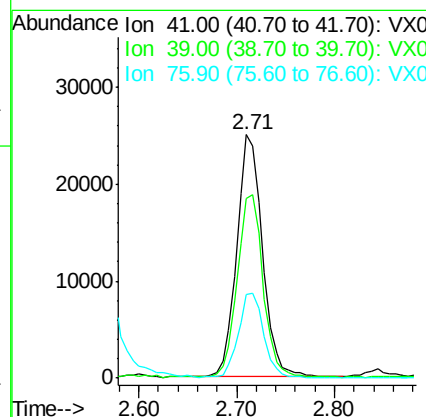
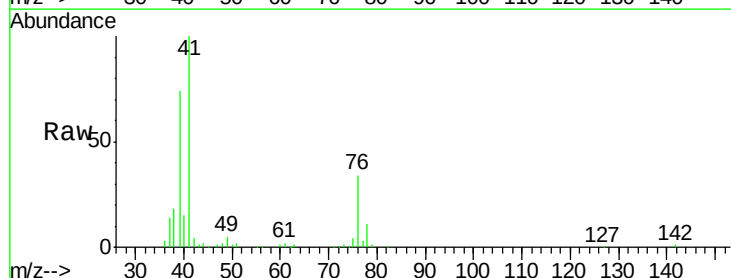
Manual Integrations
APPROVED

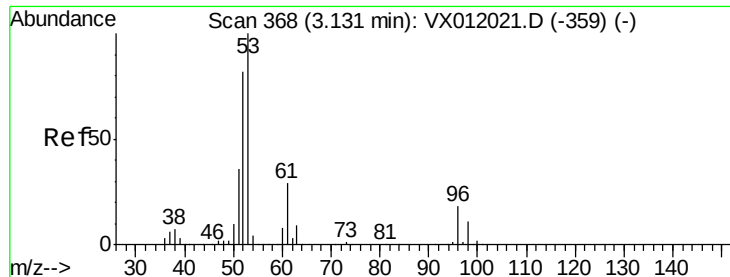
MMDadoda
9/6/2019 3:47:11 PM



#14
Allyl chloride
Concen: 19.521 ug/l
RT: 2.71 min Scan# 299
Delta R.T. -0.01 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Tgt Ion	Ratio	Lower	Upper
41	100		
39	75.3	57.9	86.9
76	34.7	28.5	42.7





#15

Acrylonitrile

Concen: 94.465 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Instrument :

MSVOA_X

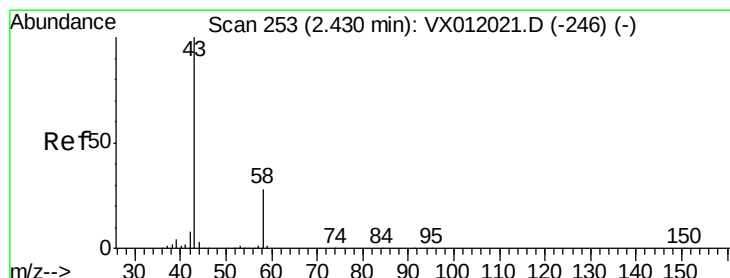
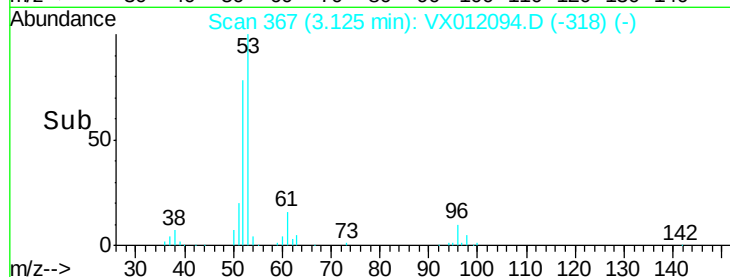
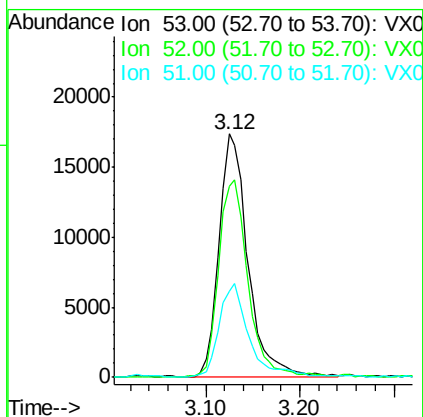
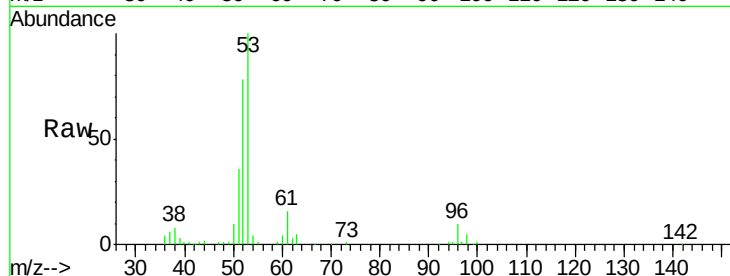
ClientSampleId :

VX0905SBS01

Tot Ion:	53	Resp:	37217
Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.6	98.4
51	39.5	29.8	44.6

Manual Integrations
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#16

Acetone

Concen: 91.333 ug/l

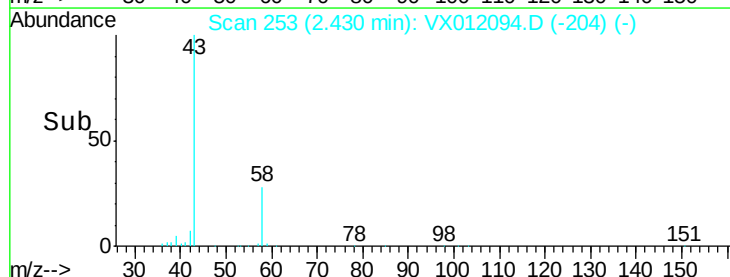
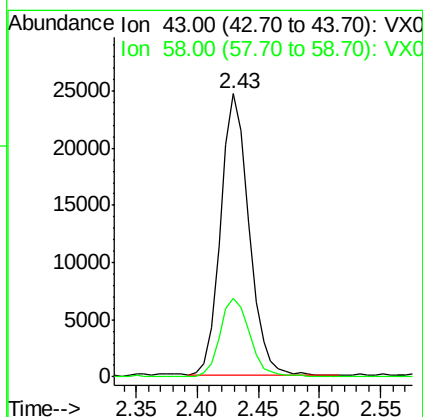
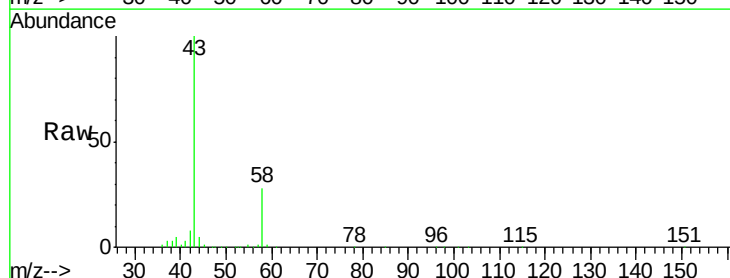
RT: 2.43 min Scan# 253

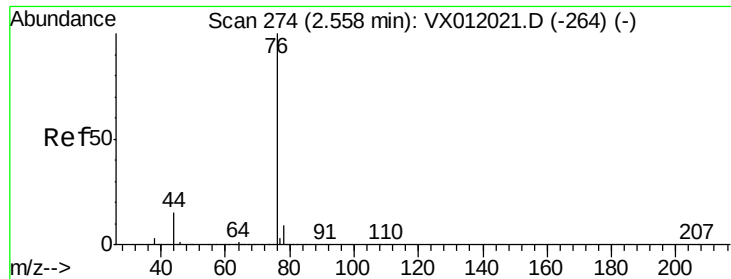
Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Tgt Ion:	43	Resp:	39599
Ion	Ratio	Lower	Upper
43	100		
58	27.8	22.8	34.2





#17

Carbon Disulfide

Concen: 16.697 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS01

Tot Ion: 76 Resp: 63169

Ion Ratio Lower Upper

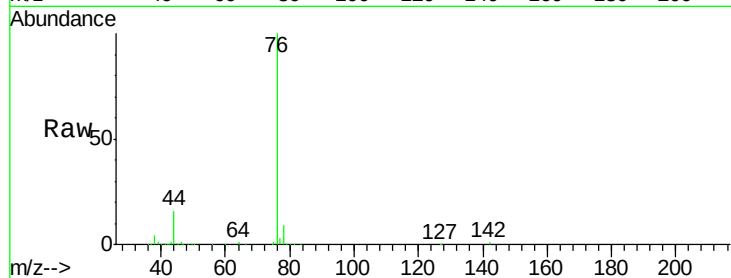
76 100

78 9.3 7.4 11.2

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

40000

30000

20000

10000

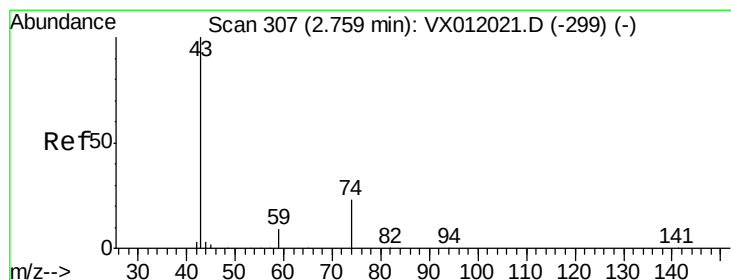
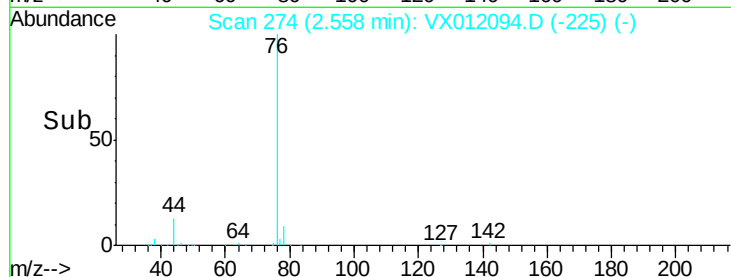
0

Time-->

2.50

2.60

2.70



#18

Methyl Acetate

Concen: 19.303 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.00 min

Lab File: VX012094.D

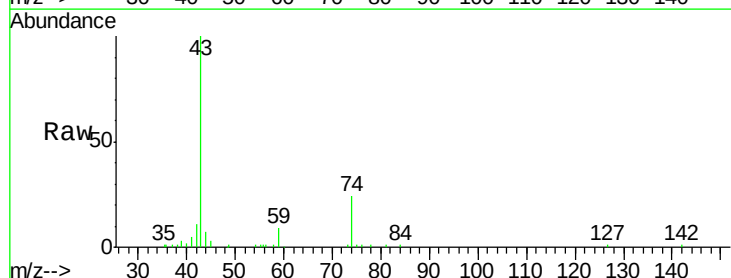
Acq: 05 Sep 2019 12:04

Tgt Ion: 43 Resp: 19716

Ion Ratio Lower Upper

43 100

74 24.0 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

12000

10000

8000

6000

4000

2000

0

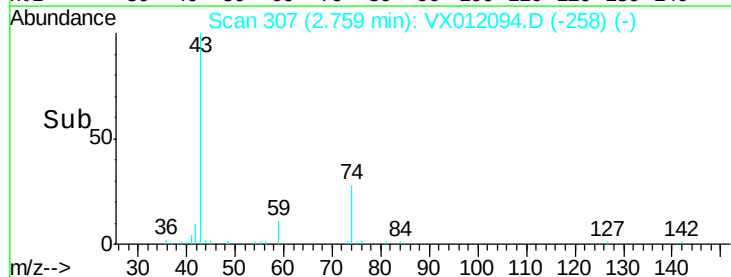
Time-->

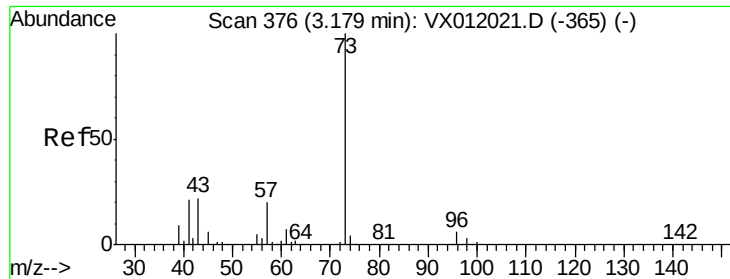
2.70

2.75

2.80

2.85





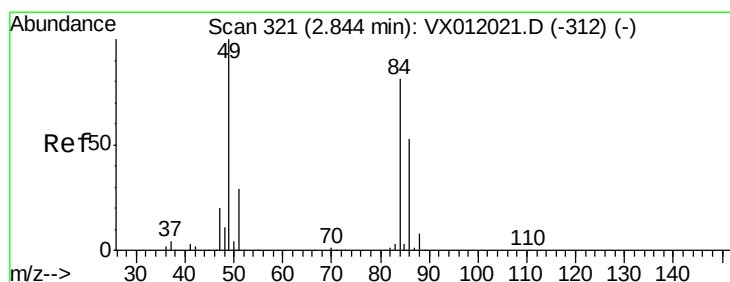
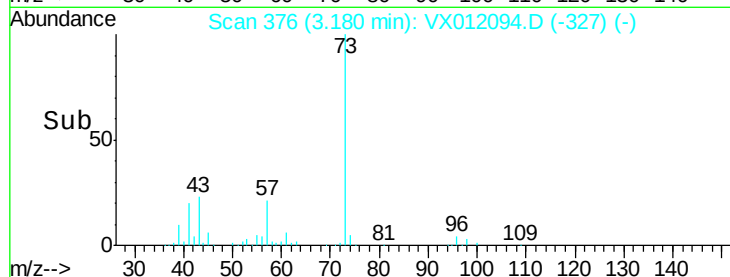
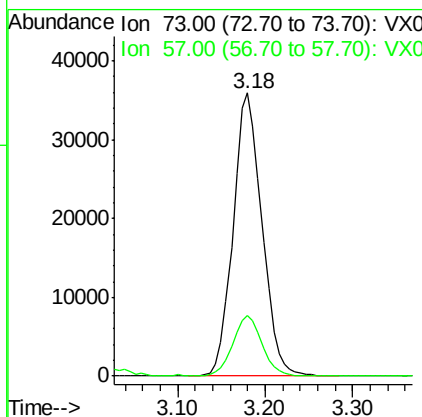
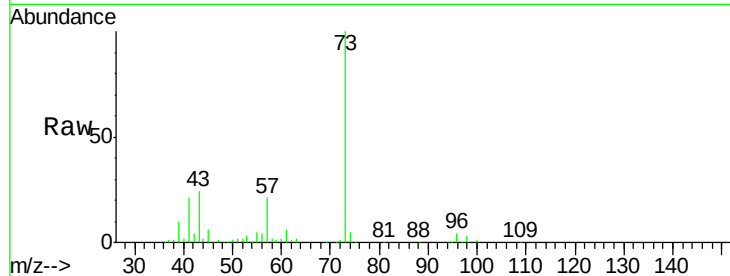
#19
Methvl tert-butyl Ether
Concen: 19.547 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS01

Tot Ion: 73 Resp: 82379
Ion Ratio Lower Upper
73 100
57 21.5 16.6 25.0

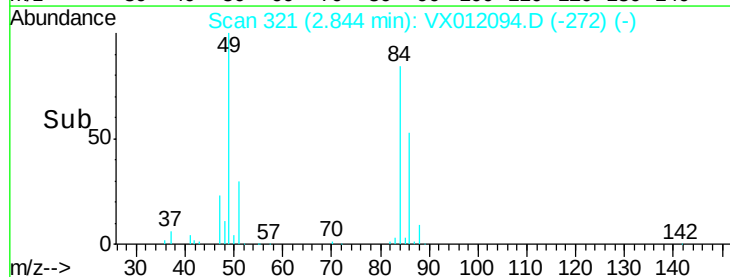
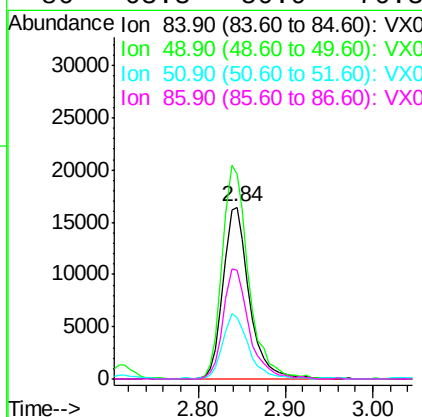
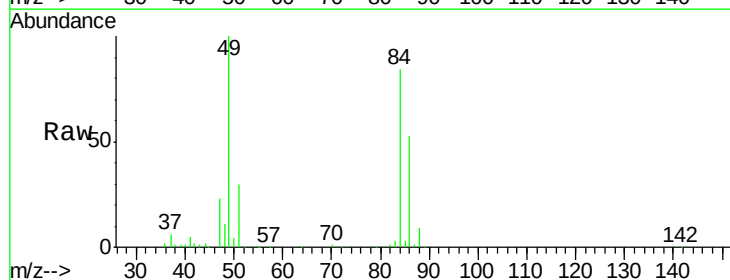
Manual Integrations
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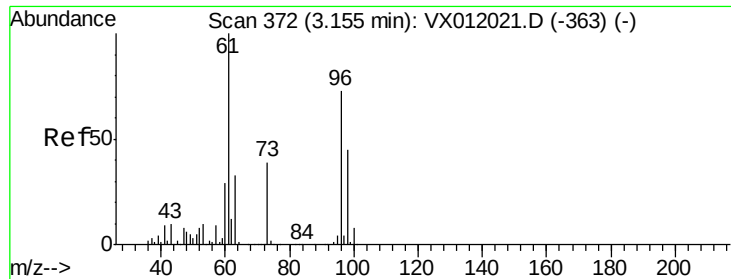
MMDadoda
9/6/2019 3:47:11 PM



#20
Methylene Chloride
Concen: 19.547 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Tgt Ion: 84 Resp: 34032
Ion Ratio Lower Upper
84 100
49 119.3 95.8 143.8
51 35.6 28.6 43.0
86 63.3 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 19.235 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS01

Tot Ion: 96 Resp: 29219

Ion Ratio Lower Upper

96 100

61 144.7 107.0 160.6

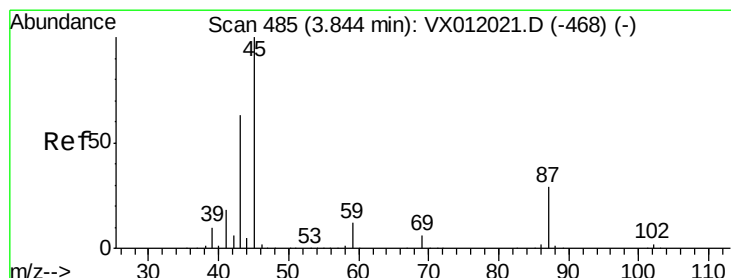
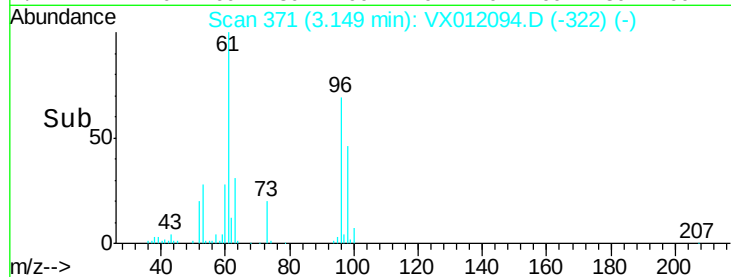
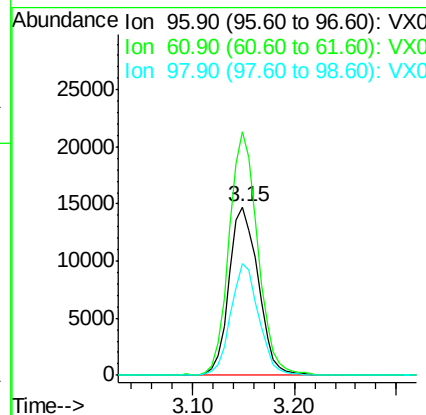
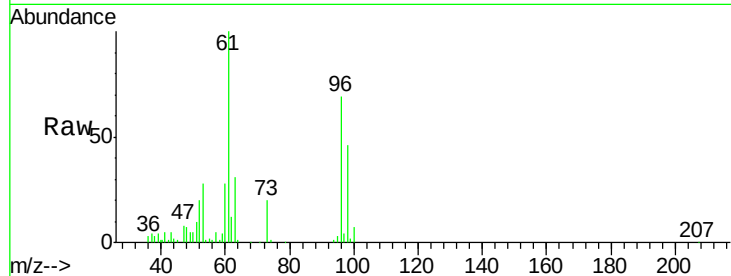
98 66.7 49.8 74.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.136 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Tgt Ion: 45 Resp: 96136

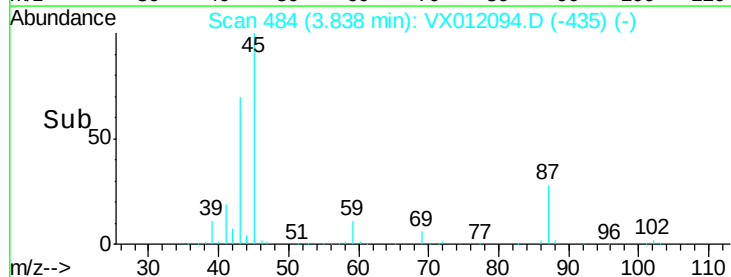
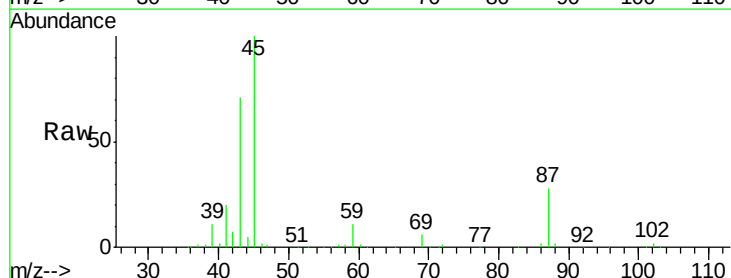
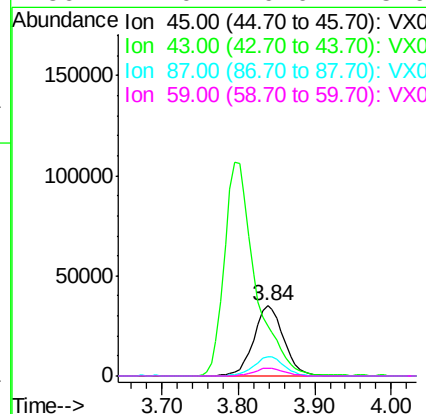
Ion Ratio Lower Upper

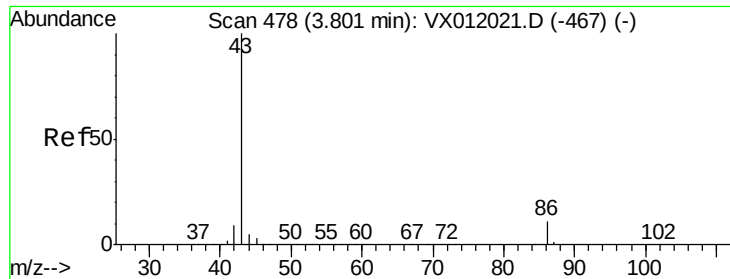
45 100

43 70.5 54.2 81.4

87 27.5 23.4 35.0

59 11.0 9.0 13.6





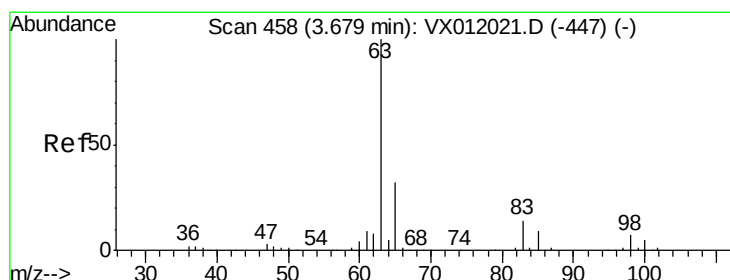
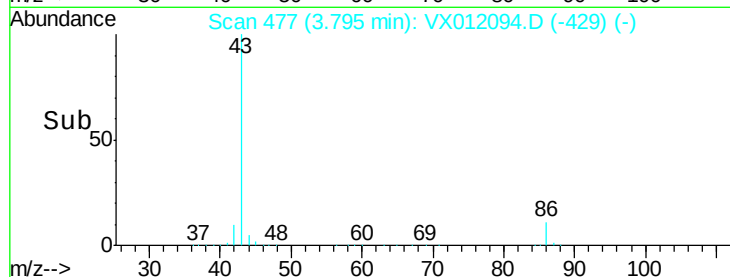
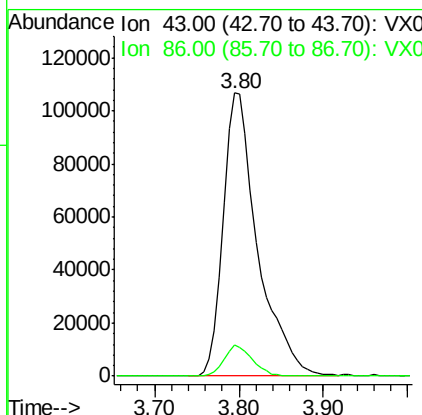
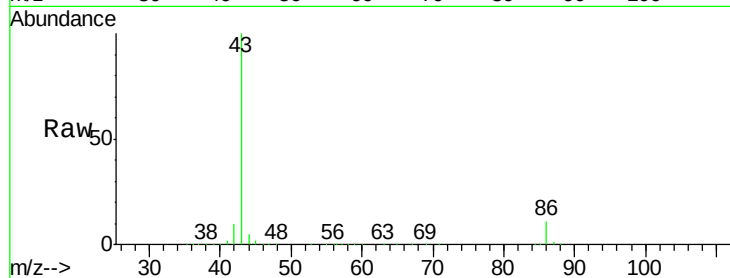
#23
 Vinyl Acetate
 Concen: 96.478 ug/l
 RT: 3.80 min Scan# 477
 Delta R.T. -0.01 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	11.2	9.0	13.6

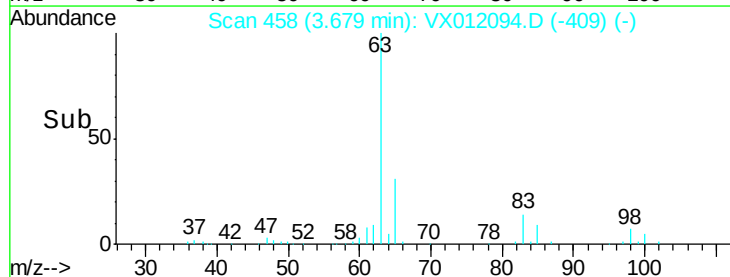
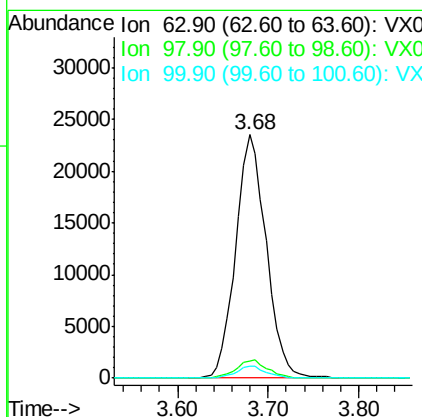
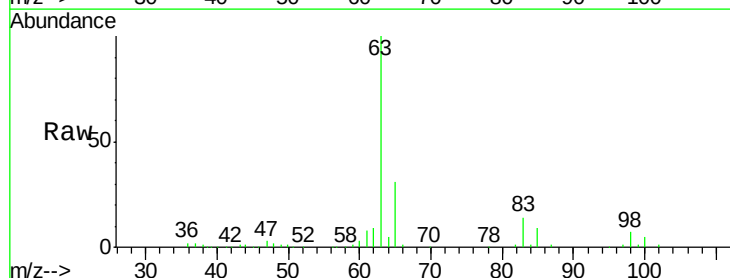
Manual Integrations
 APPROVED

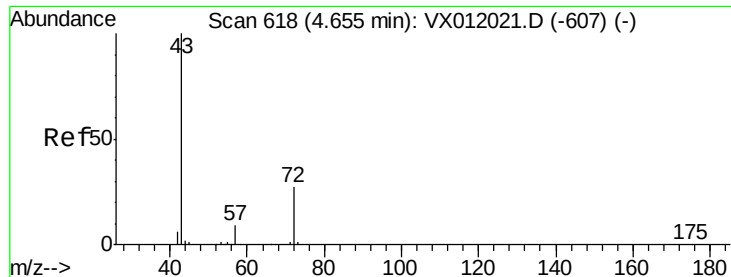
MMDadoda
 9/6/2019 3:47:11 PM



#24
 1,1-Dichloroethane
 Concen: 19.874 ug/l
 RT: 3.68 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.9	11.7
100	4.7	2.5	7.4





#25

2-Butanone

Concen: 95.360 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS01

Tot Ion: 43 Resp: 52629

Ion Ratio Lower Upper

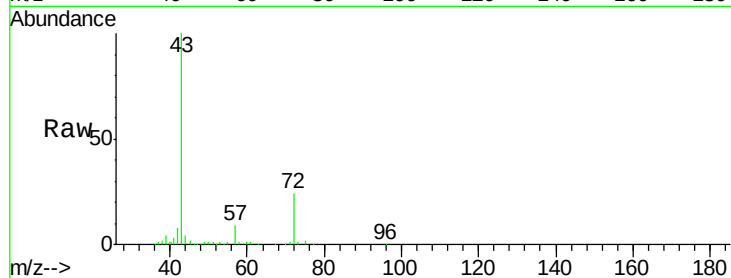
43 100

72 23.9 21.3 31.9

Manual Integrations
APPROVED

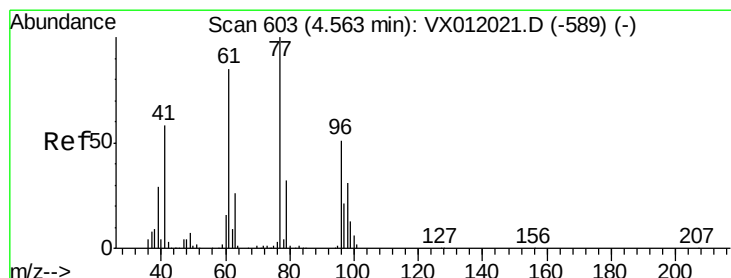
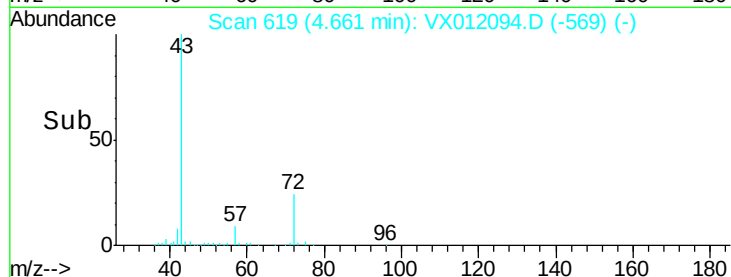
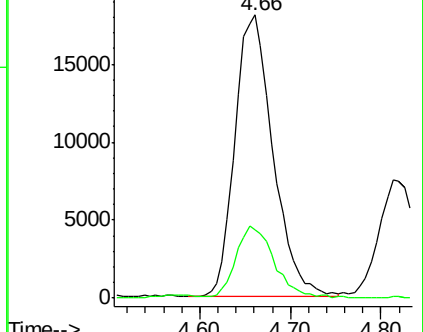
MMDadoda

9/6/2019 3:47:11 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 20.636 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX012094.D

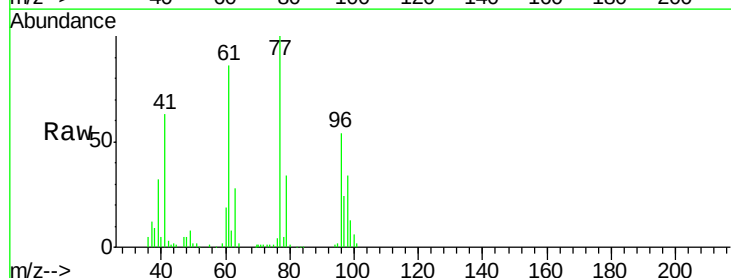
Acq: 05 Sep 2019 12:04

Tgt Ion: 77 Resp: 52755

Ion Ratio Lower Upper

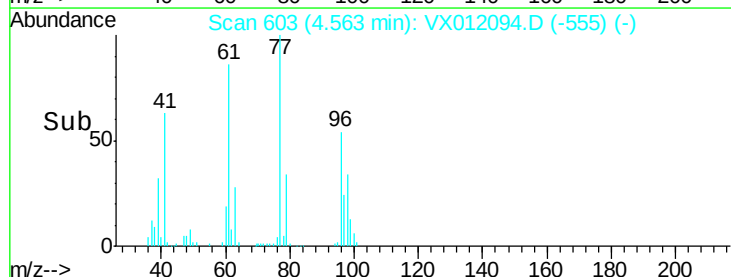
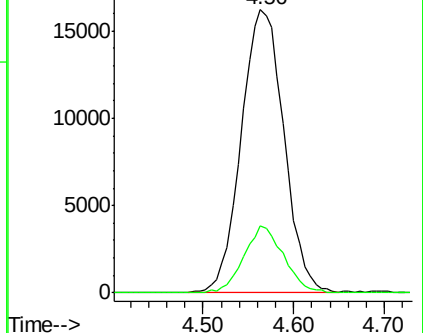
77 100

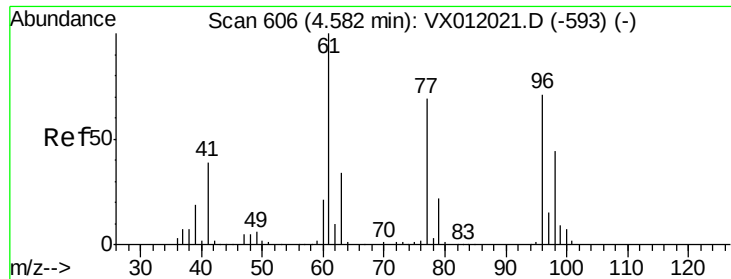
97 22.2 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

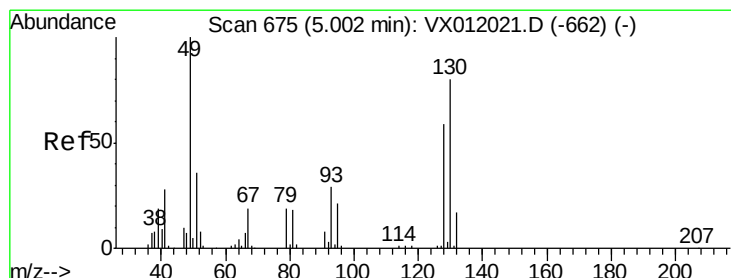
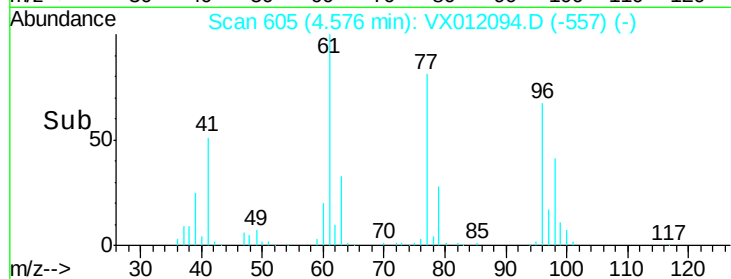
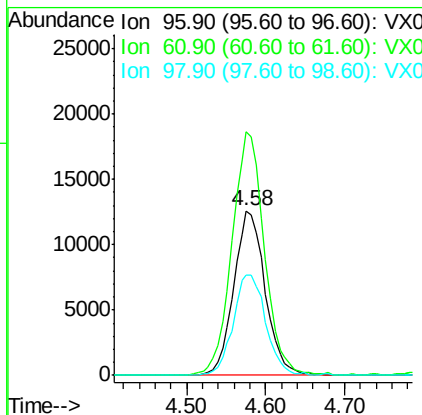
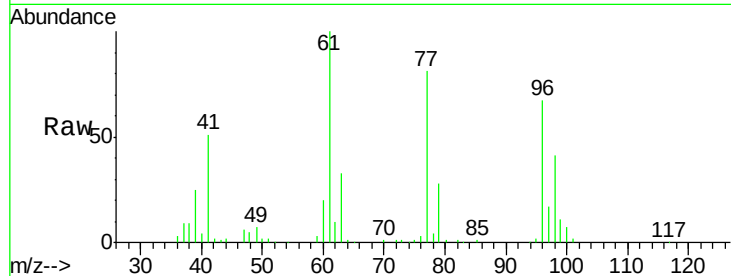
cis-1,2-Dichloroethene
 Concen: 19.544 ug/l
 RT: 4.58 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	152.3	0.0	277.0	
98	63.3	0.0	128.4	

Manual Integrations
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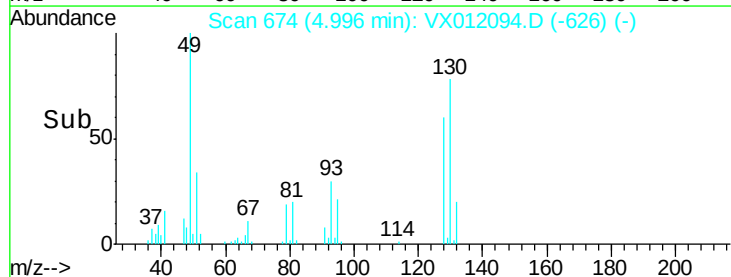
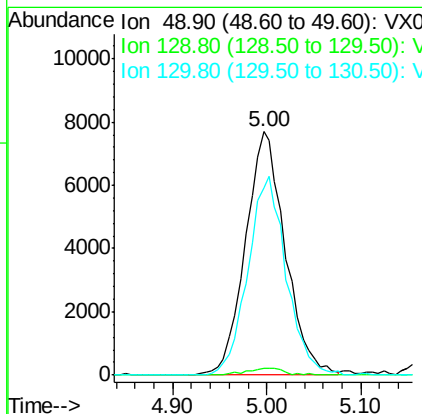
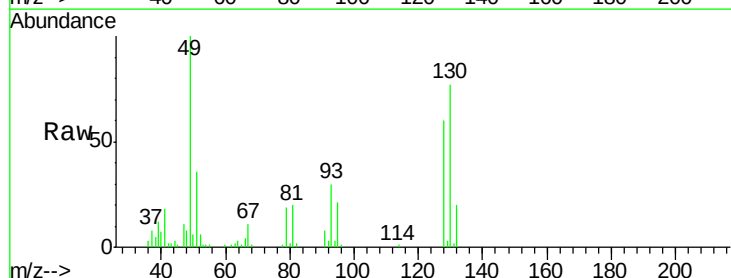
MMDadoda
 9/6/2019 3:47:11 PM

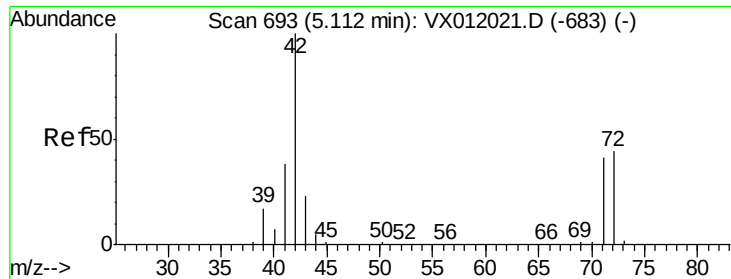


#28

Bromochloromethane
 Concen: 20.653 ug/l
 RT: 5.00 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.8	0.0	5.6	
130	78.5	76.7	115.1	





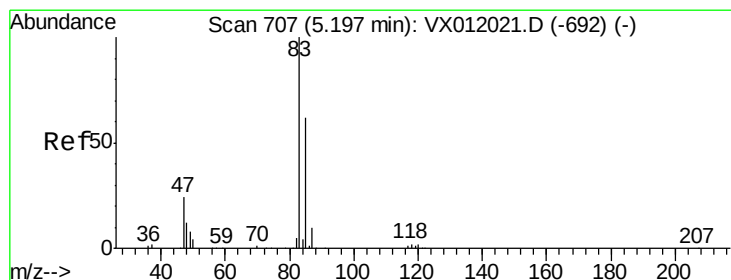
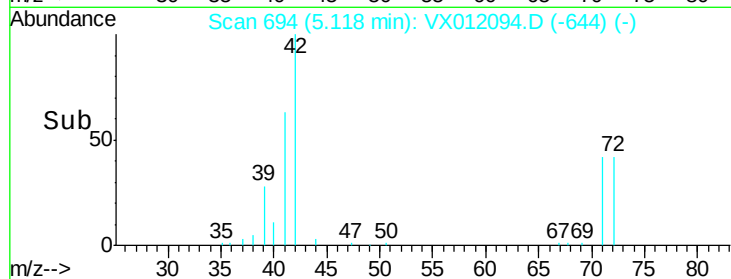
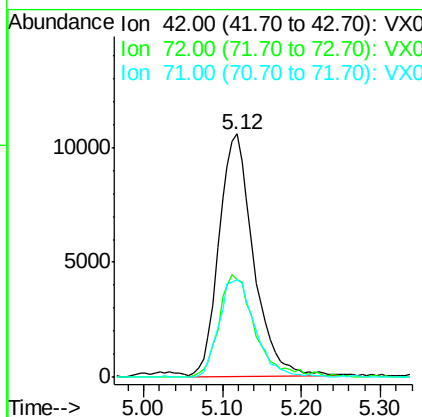
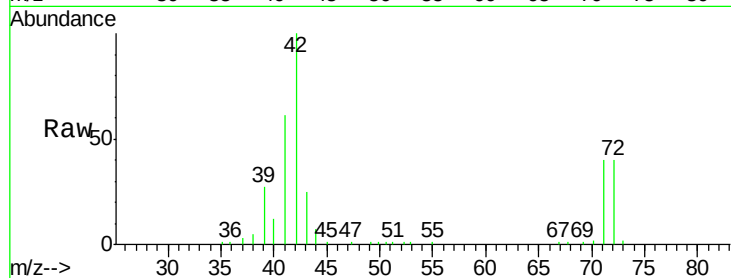
#29
Tetrahydrofuran
Concen: 95.886 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Instrument :
MSVOA_X
ClientSampled :
VX0905SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.3	37.0	55.4
71	42.8	33.8	50.8

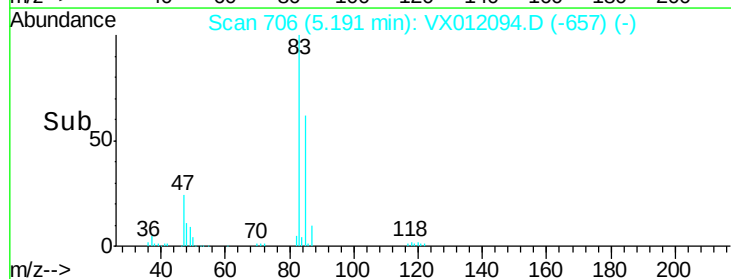
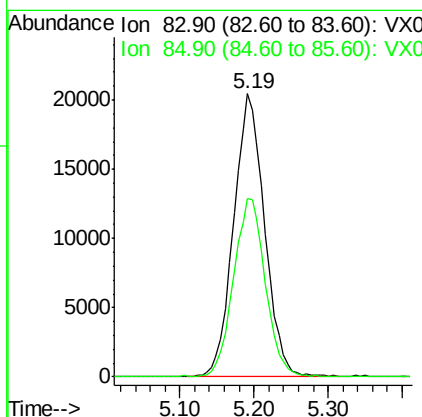
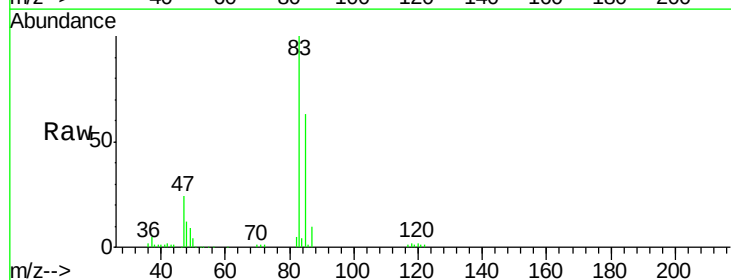
Manual Integrations
APPROVED

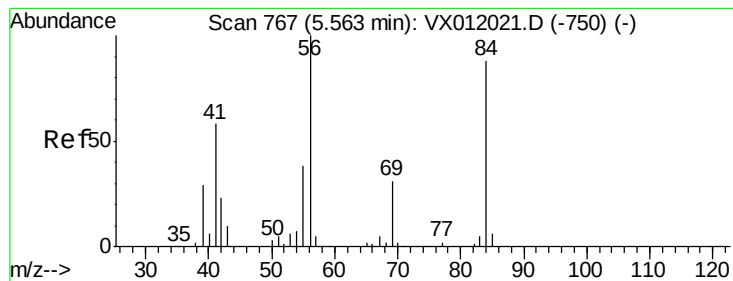
MMDadoda
9/6/2019 3:47:11 PM



#30
Chloroform
Concen: 20.054 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.00 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	52.6	78.8





#31

Cyclohexane

Concen: 19.201 ug/l

RT: 5.56 min Scan# 766

Delta R.T. -0.01 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Instrument :

MSVOA_X

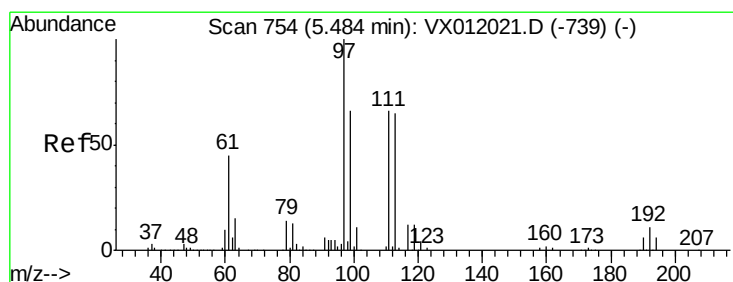
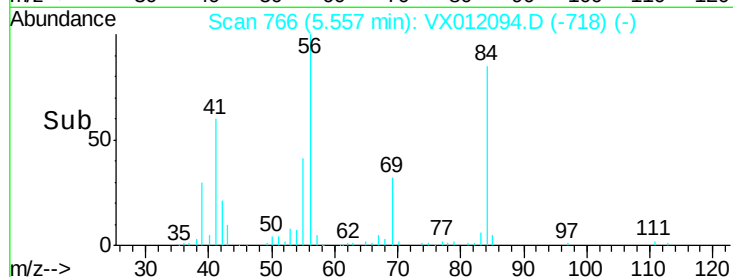
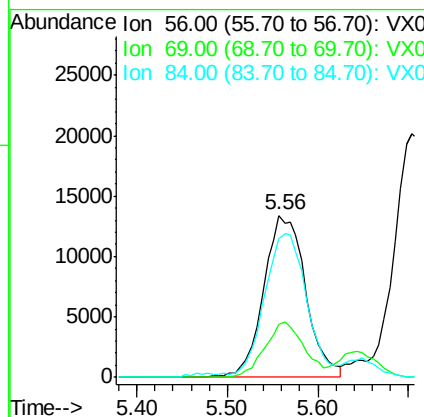
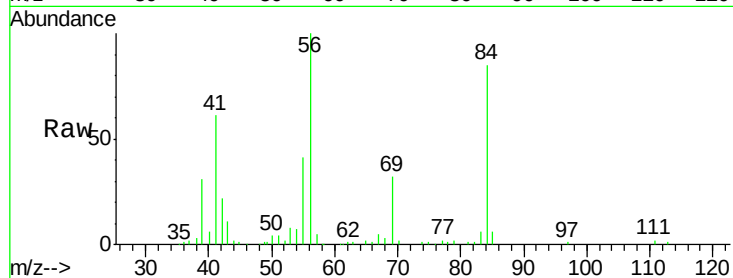
ClientSampleId :

VX0905SBS01

Tot Ion:	56	Resp:	42700
Ion	Ratio	Lower	Upper
56	100		
69	32.0	25.7	38.5
84	84.0	70.3	105.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.796 ug/l

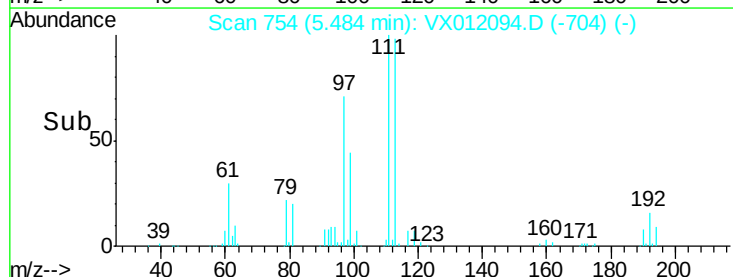
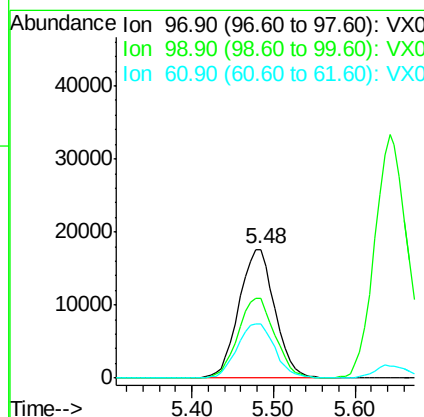
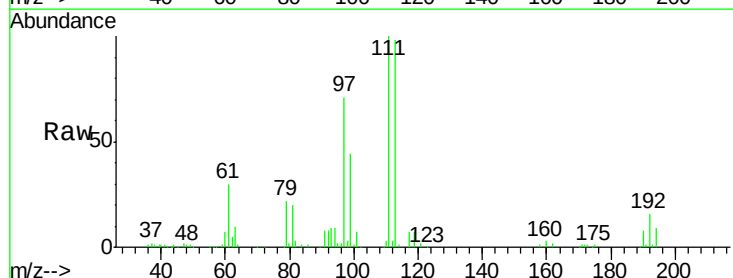
RT: 5.48 min Scan# 754

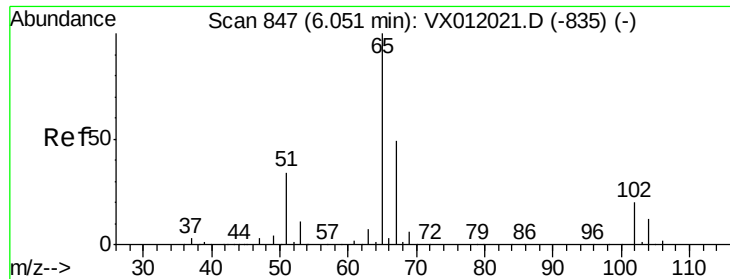
Delta R.T. 0.01 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Tgt Ion:	97	Resp:	53815
Ion	Ratio	Lower	Upper
97	100		
99	63.5	52.1	78.1
61	44.3	32.8	49.2





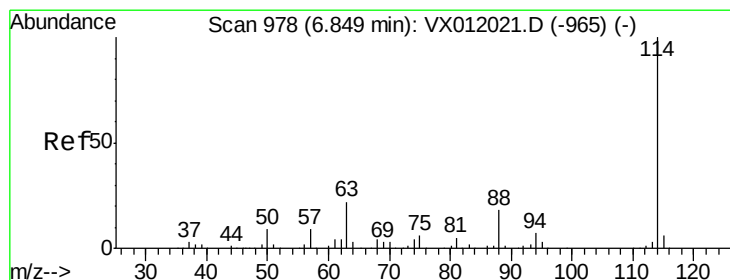
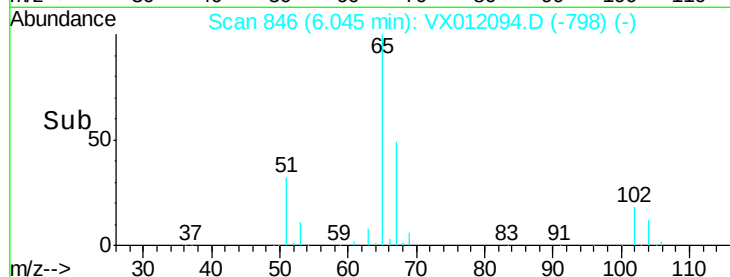
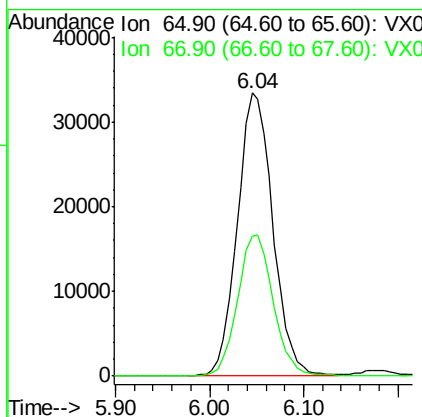
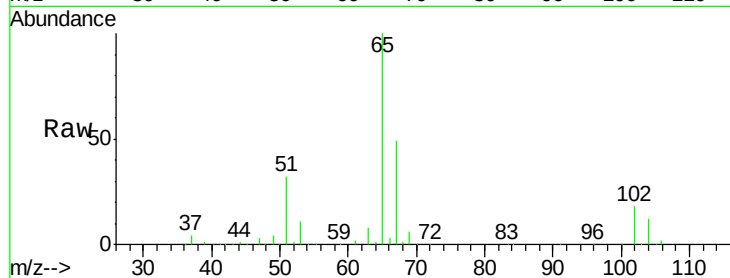
#33
 1,2-Dichloroethane-d4
 Concen: 48.583 ug/l
 RT: 6.04 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	88127		
67	50.1	0.0	102.0	

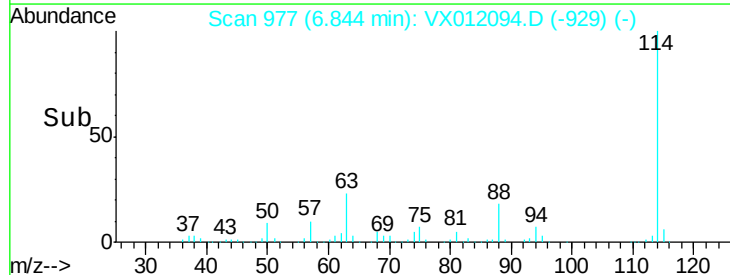
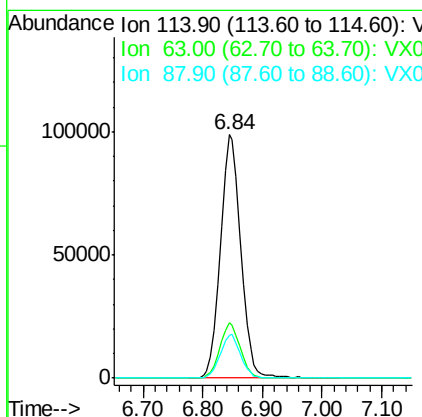
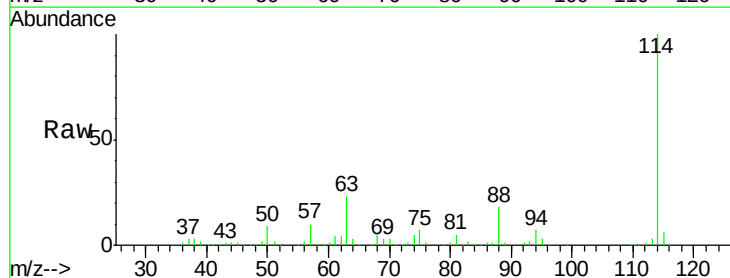
Manual Integrations
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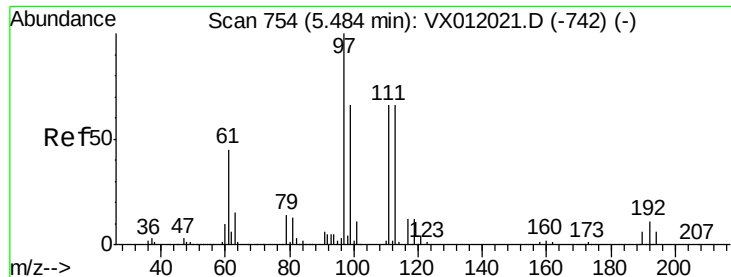
MMDadoda
 9/6/2019 3:47:11 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	235600		
63	22.8	0.0	37.4	
88	17.7	0.0	29.6	





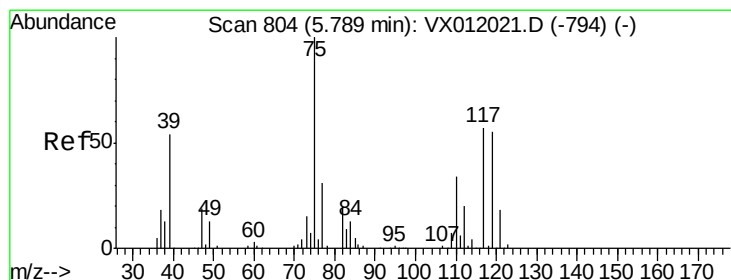
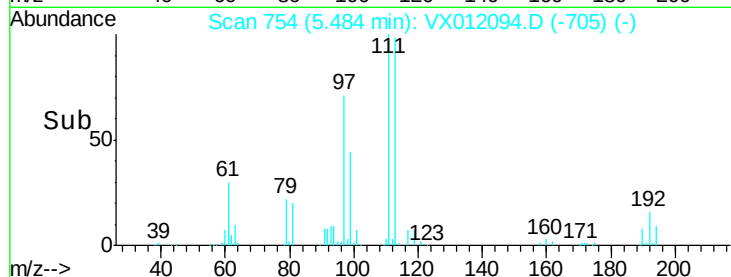
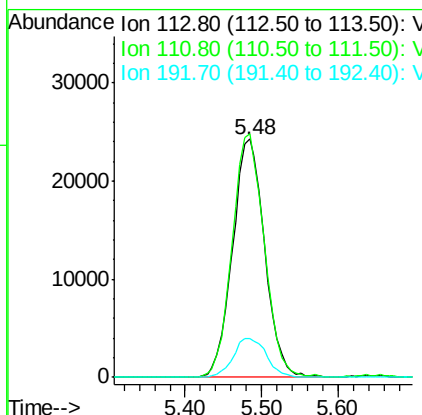
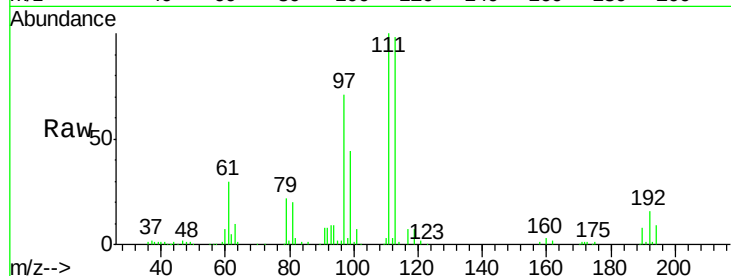
#35
Dibromofluoromethane
Concen: 48.699 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.00 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	70558		
111	102.1		81.7	122.5
192	16.8		22.5	33.7#

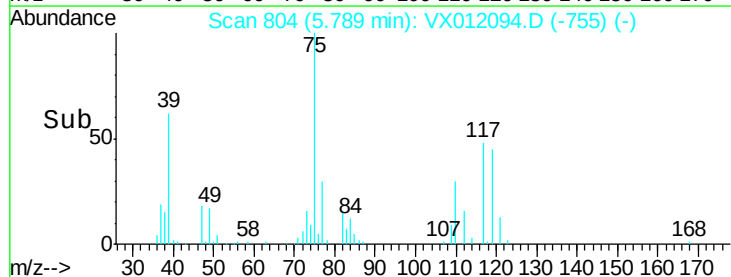
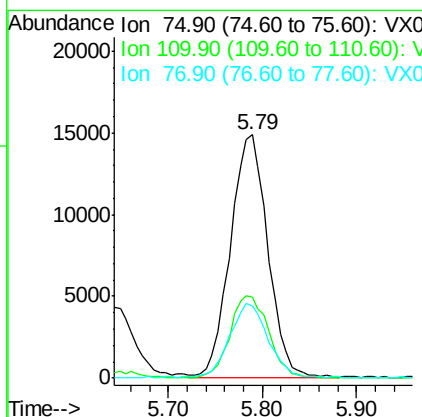
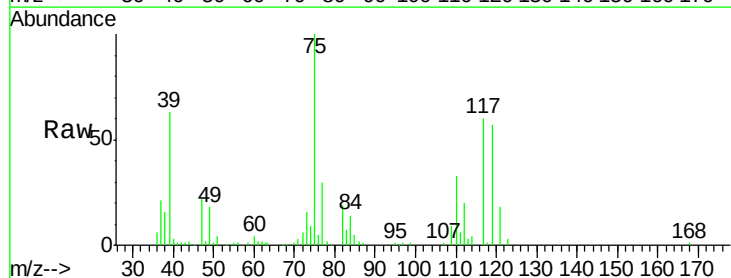
Manual Integrations
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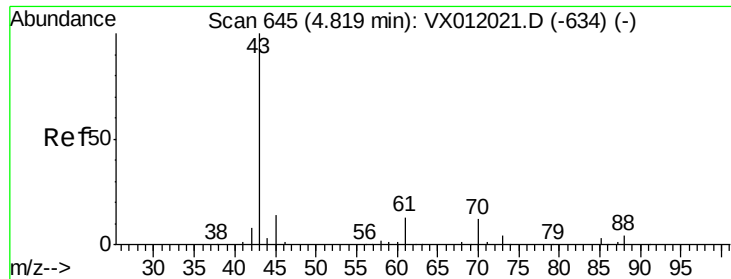
MMDadoda
9/6/2019 3:47:11 PM



#36
1,1-Dichloropropene
Concen: 19.603 ug/l
RT: 5.79 min Scan# 804
Delta R.T. -0.00 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	40677		
110	35.2		19.5	58.5
77	32.3		24.6	37.0





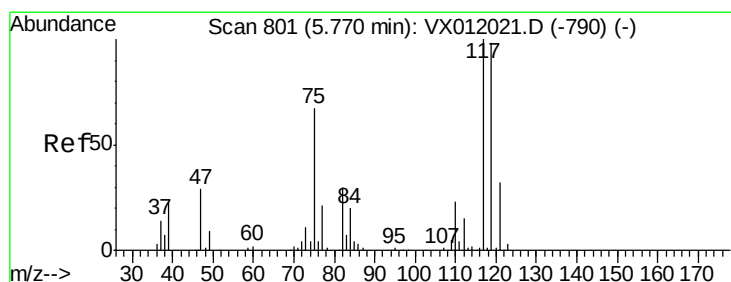
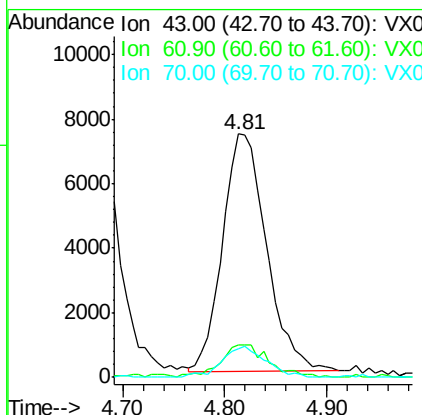
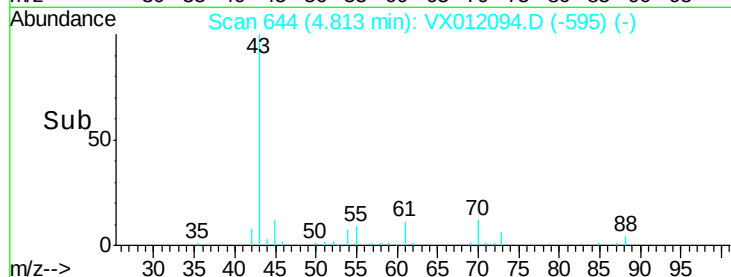
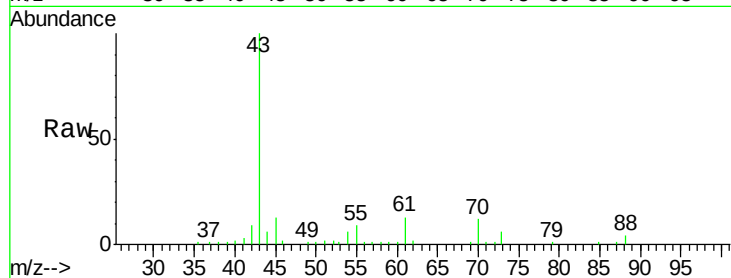
#37
Ethyl Acetate
Concen: 19.584 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.00 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	10.9	16.3
70	13.0	9.4	14.0

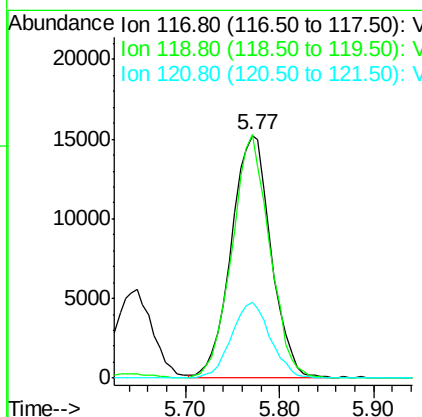
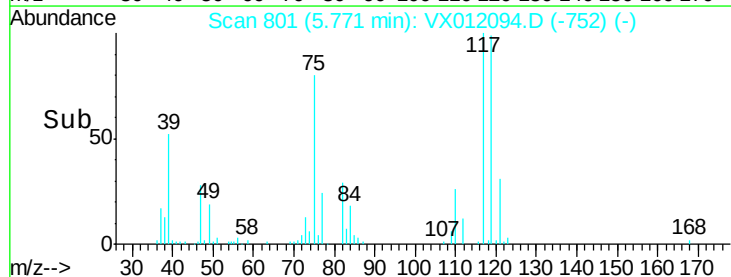
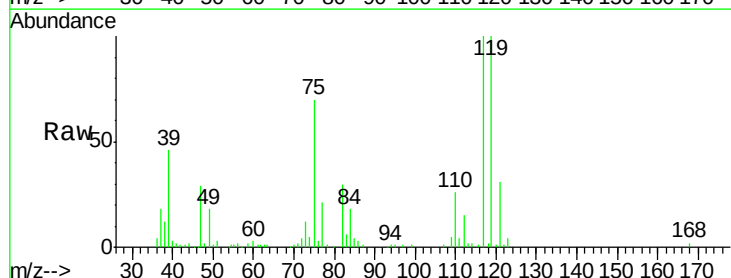
Manual Integrations
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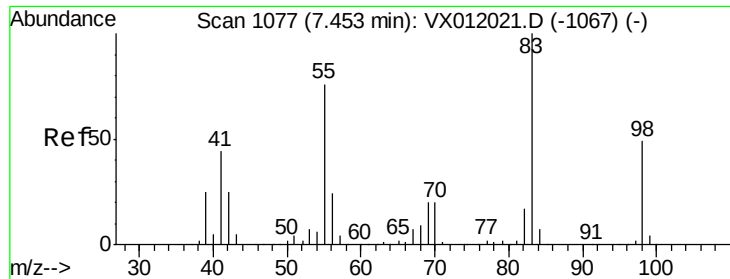
MMDadoda
9/6/2019 3:47:11 PM



#38
Carbon Tetrachloride
Concen: 20.578 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.2	78.3	117.5
121	31.2	24.2	36.2





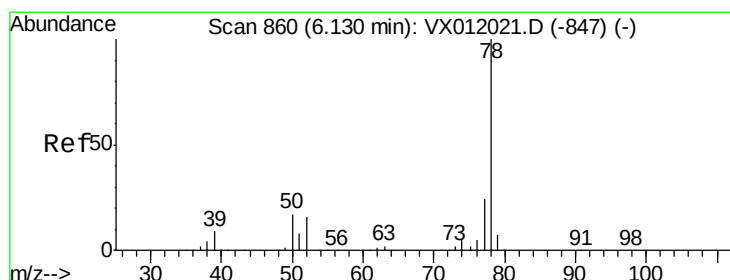
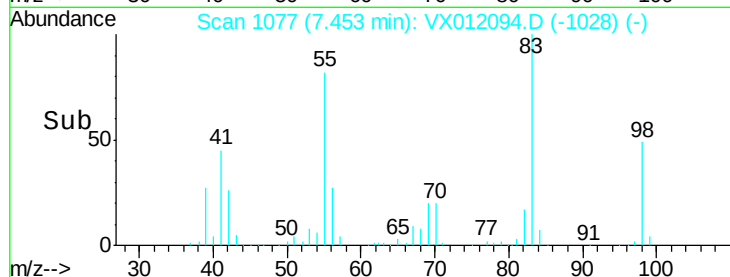
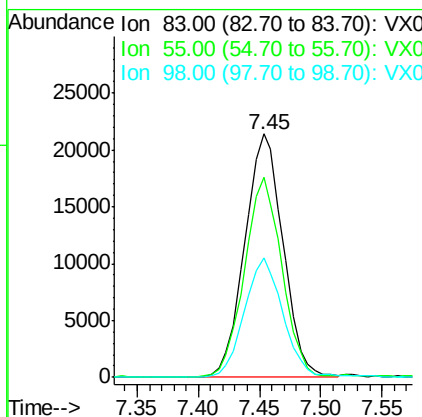
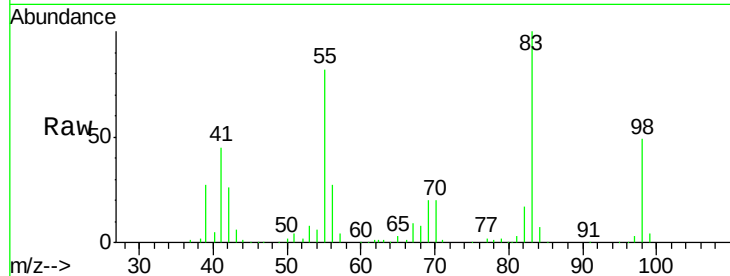
#39
Methylvlcyclohexane
Concen: 19.361 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS01

Tot Ion	83	Resp	46627
Ion	Ratio	Lower	Upper
83	100		
55	81.9	59.6	89.4
98	48.9	41.4	62.0

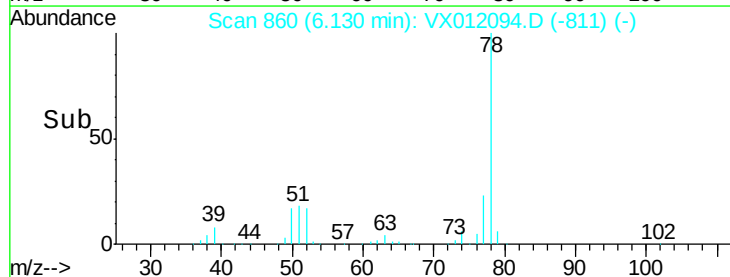
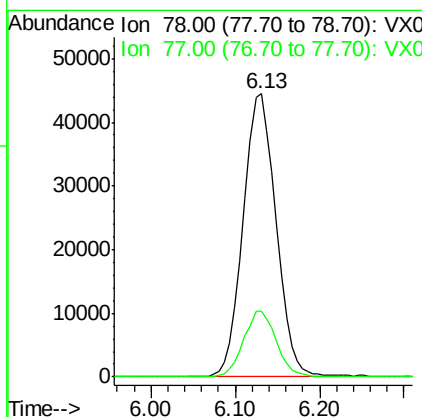
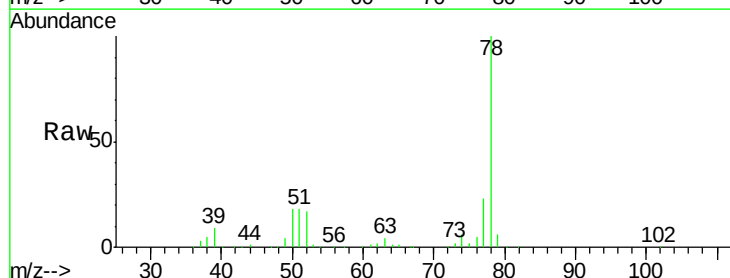
Manual Integrations
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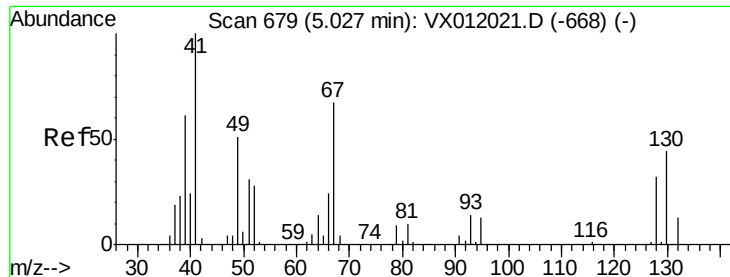
MMDadoda
9/6/2019 3:47:11 PM



#40
Benzene
Concen: 19.767 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Tgt Ion	78	Resp	117751
Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.3	28.9





#41

Methacrylonitrile

Concen: 19.952 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS01

Tot Ion: 41 Resp: 13426

Ion Ratio Lower Upper

41 100

39 62.0 46.7 70.1

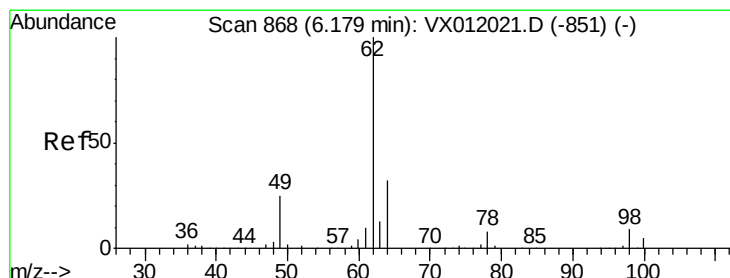
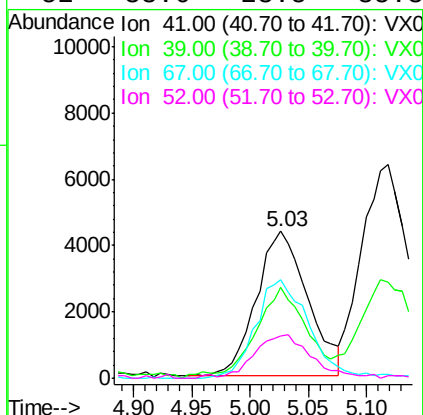
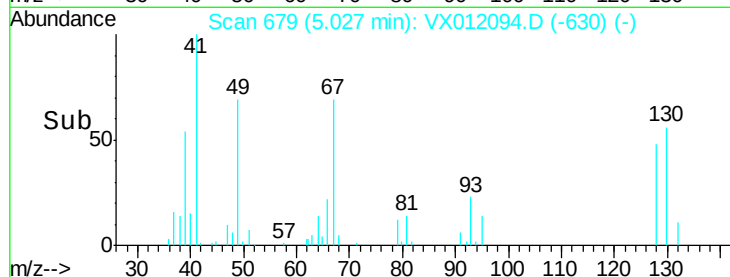
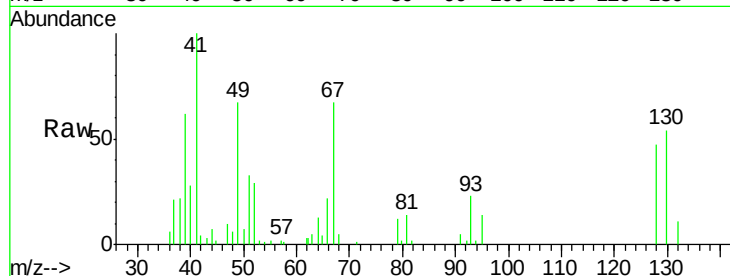
67 71.1 57.0 85.6

52 33.6 23.5 35.3

Manual Integrations
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9/6/2019 3:47:11 PM



#42

1,2-Dichloroethane

Concen: 21.031 ug/l

RT: 6.18 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX012094.D

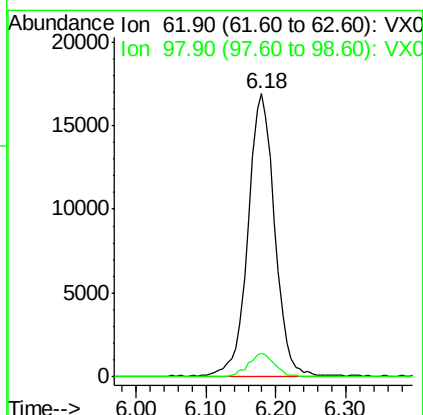
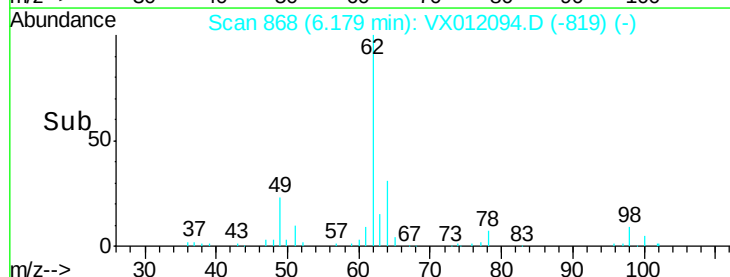
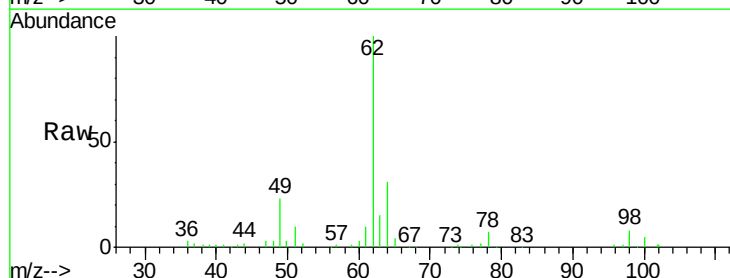
Acq: 05 Sep 2019 12:04

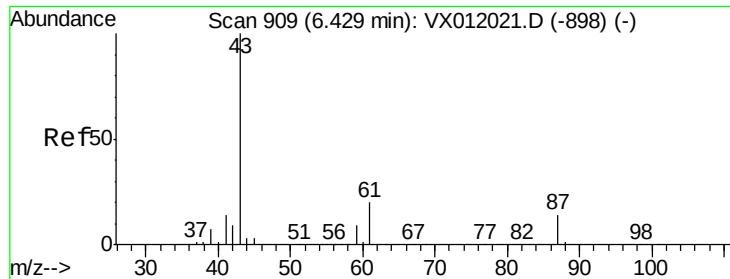
Tgt Ion: 62 Resp: 45084

Ion Ratio Lower Upper

62 100

98 8.1 0.0 19.2





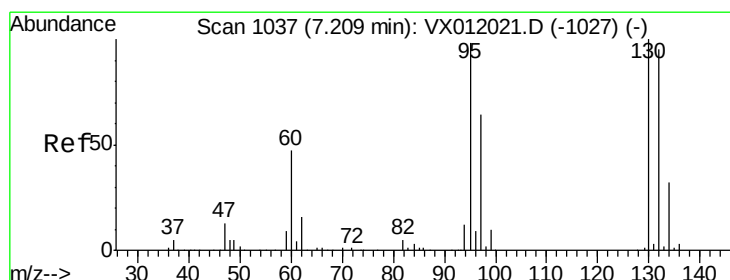
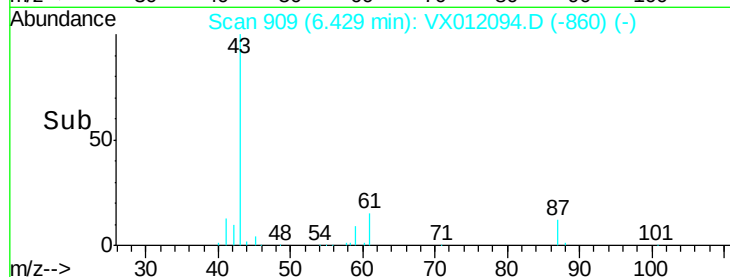
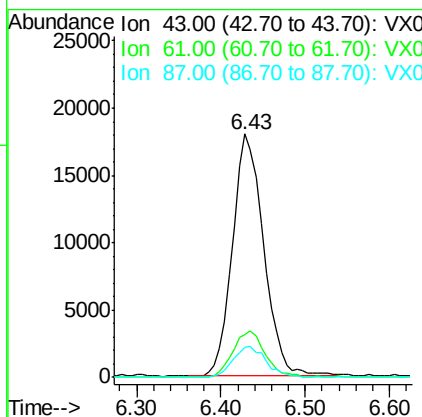
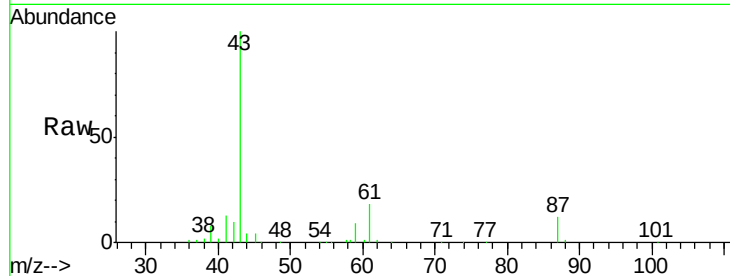
#43
Isopropyl Acetate
Concen: 19.760 ug/l
RT: 6.43 min Scan# 909
Delta R.T. -0.00 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.5	16.1	24.1
87	13.3	11.3	16.9

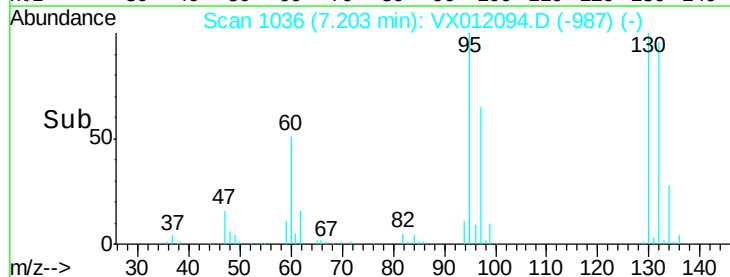
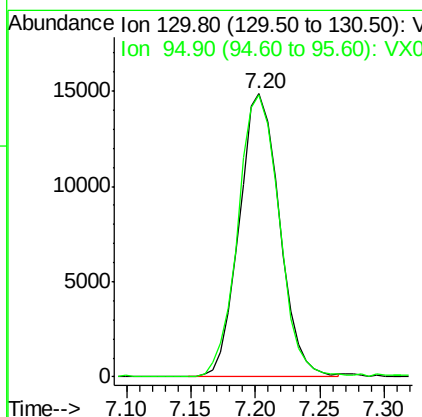
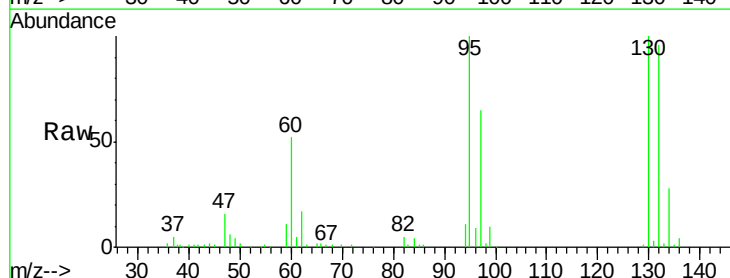
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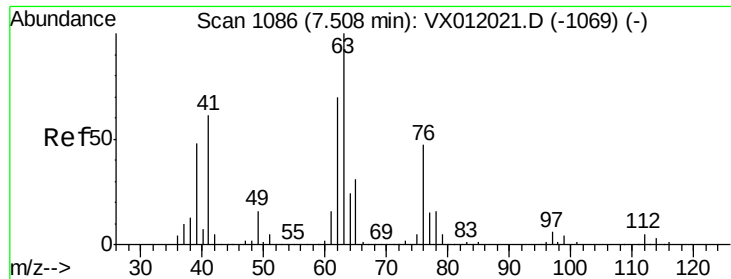
MMDadoda
9/6/2019 3:47:11 PM



#44
Trichloroethene
Concen: 20.020 ug/l
RT: 7.20 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.9	0.0	176.4





#45

1,2-Dichloropropane

Concen: 20.398 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.01 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS01

Tot Ion: 63 Resp: 31395

Ion Ratio Lower Upper

63 100

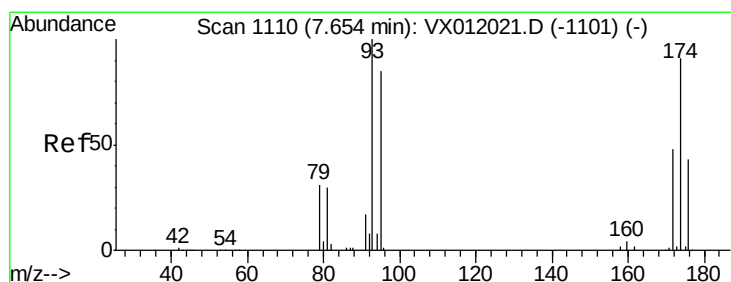
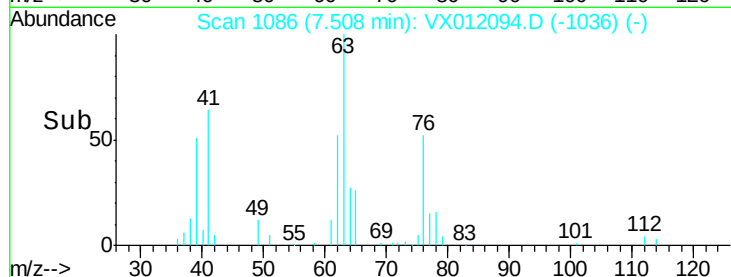
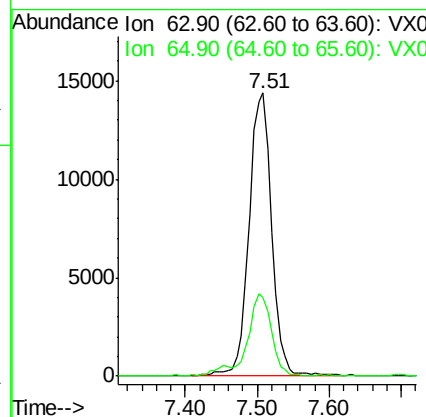
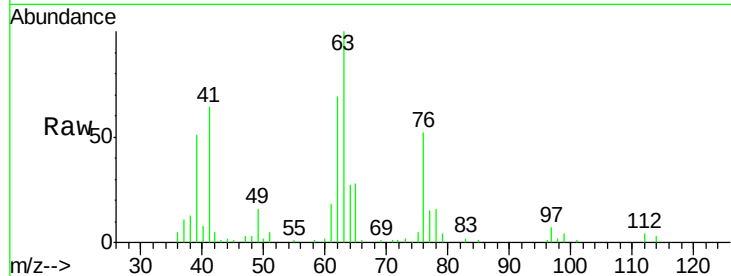
65 27.8 25.0 37.6

Manual Integrations

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#46

Dibromomethane

Concen: 19.838 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

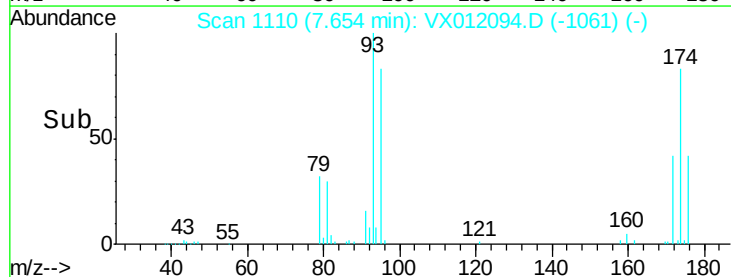
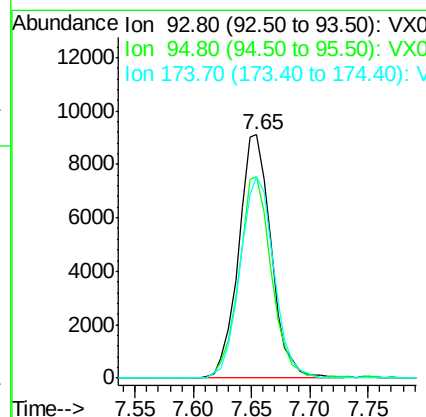
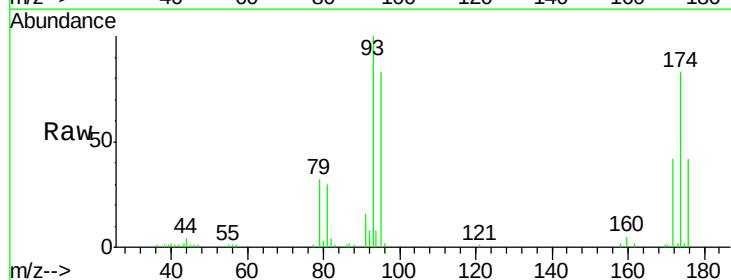
Tgt Ion: 93 Resp: 17824

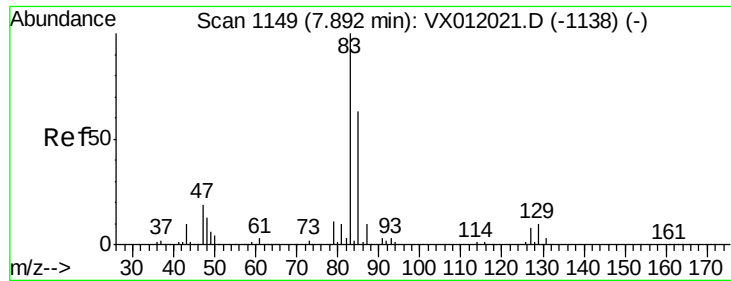
Ion Ratio Lower Upper

93 100

95 82.1 66.2 99.2

174 85.1 110.2 165.4#





#47

Bromodichloromethane

Concen: 20.137 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Instrument :

MSVOA_X

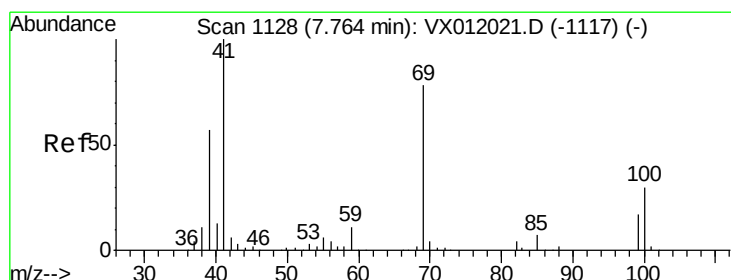
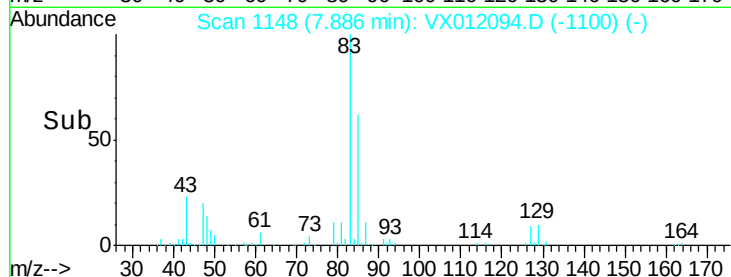
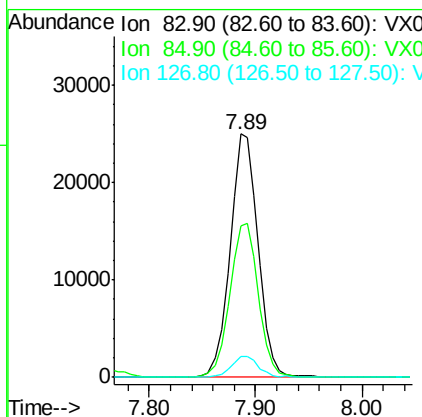
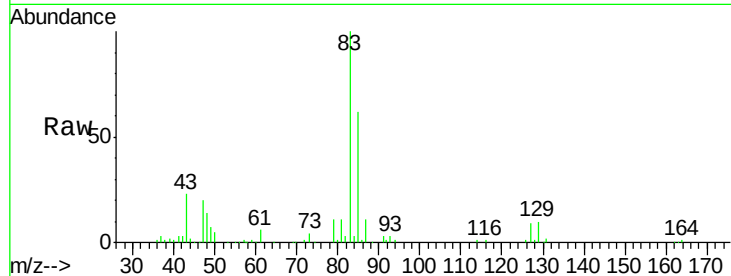
ClientSampleId :

VX0905SBS01

Tot Ion:	83	Resp:	45989
Ion	Ratio	Lower	Upper
83	100		
85	62.3	50.3	75.5
127	8.7	8.1	12.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.140 ug/l

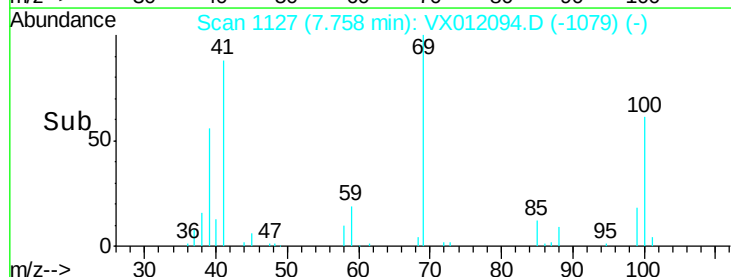
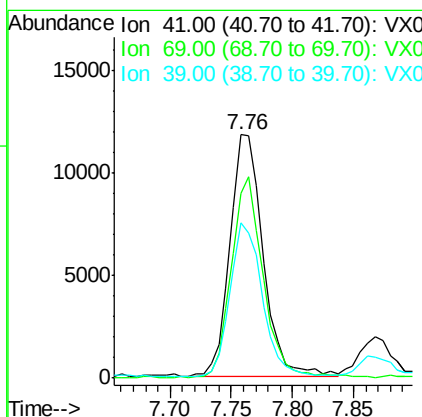
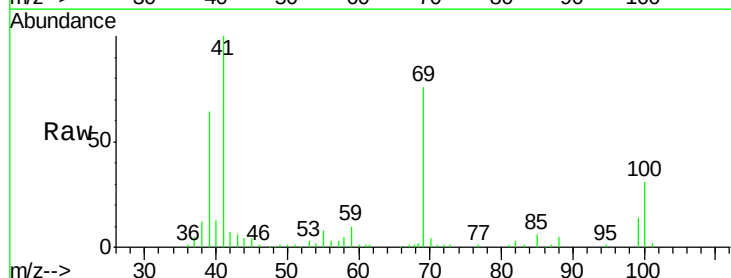
RT: 7.76 min Scan# 1127

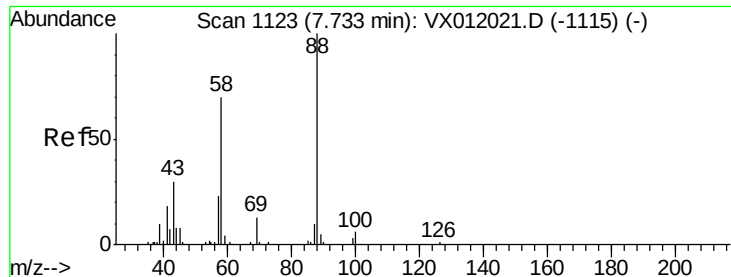
Delta R.T. -0.01 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Tgt Ion:	41	Resp:	22081
Ion	Ratio	Lower	Upper
41	100		
69	80.8	66.3	99.5
39	62.0	48.1	72.1





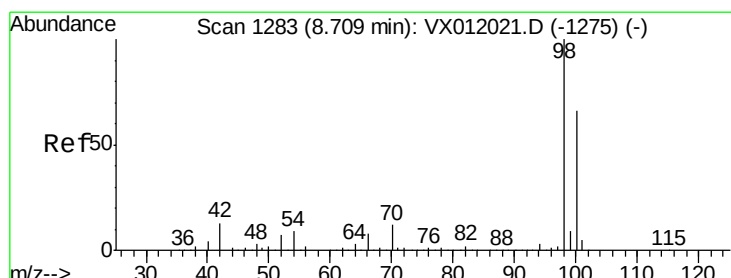
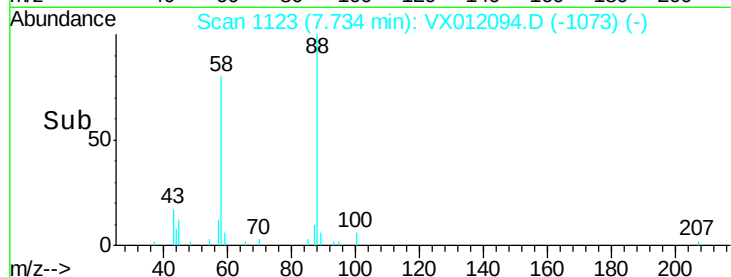
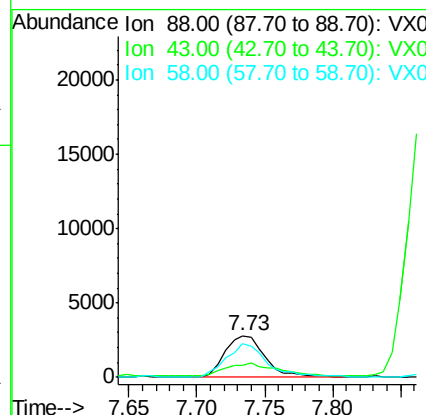
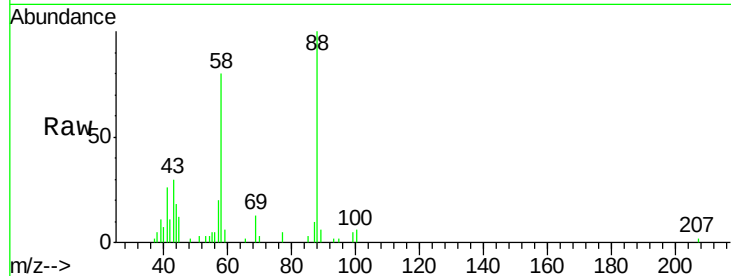
#49
1,4-Dioxane
Concen: 362.953 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.0	29.8	44.6
58	84.9	55.4	83.2#

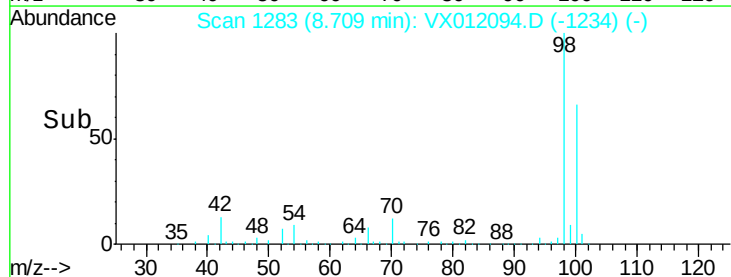
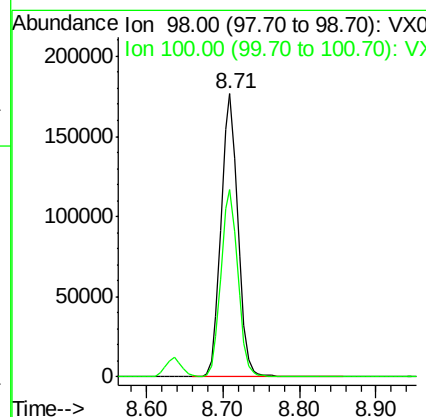
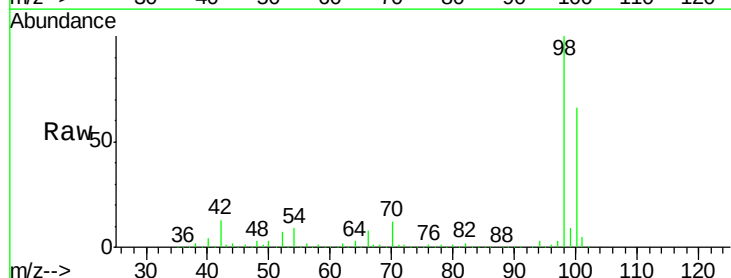
Manual Integrations
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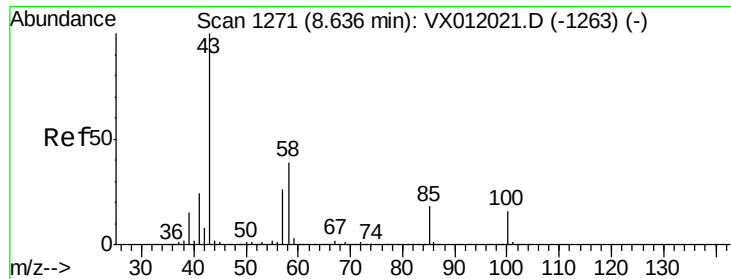
MMDadoda
9/6/2019 3:47:11 PM



#50
Toluene-d8
Concen: 50.843 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 99.652 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS01

Tot Ion: 43 Resp: 116295

Ion Ratio Lower Upper

43 100

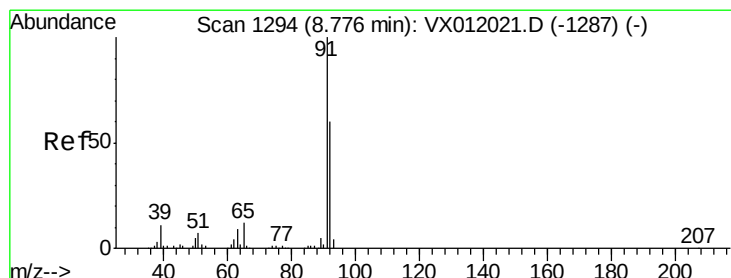
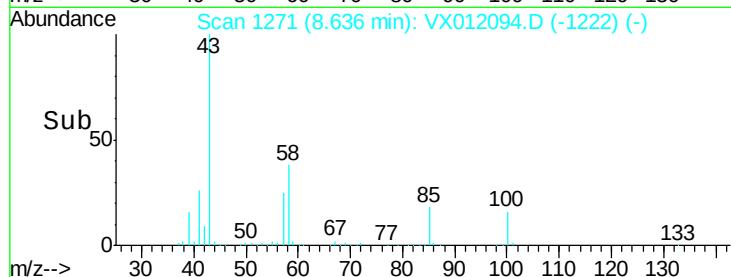
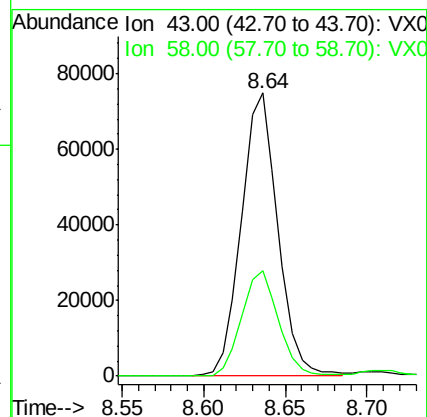
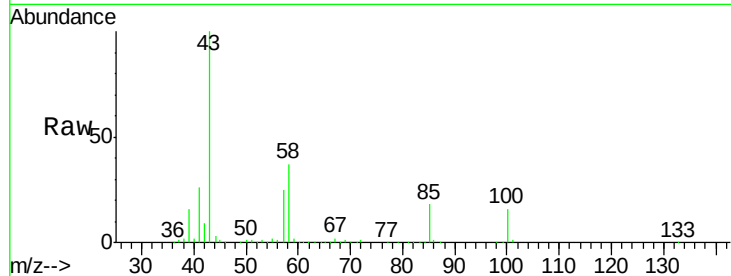
58 37.8 31.5 47.3

Manual Integrations

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#52

Toluene

Concen: 19.925 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX012094.D

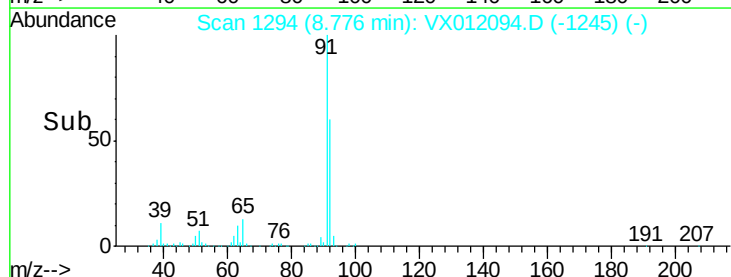
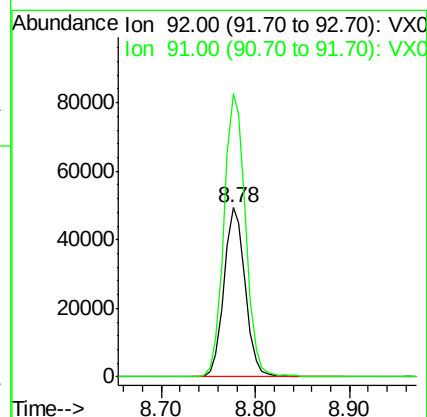
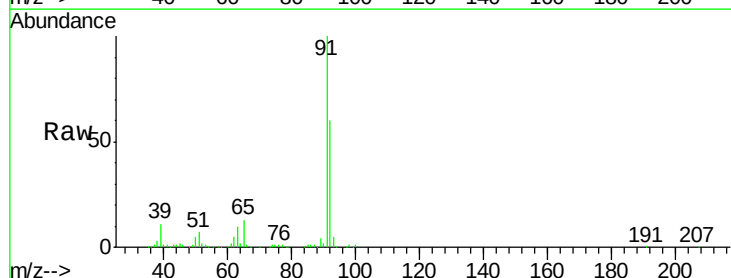
Acq: 05 Sep 2019 12:04

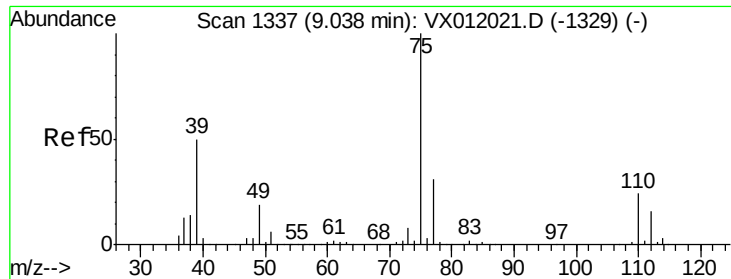
Tgt Ion: 92 Resp: 77230

Ion Ratio Lower Upper

92 100

91 169.8 136.0 204.0





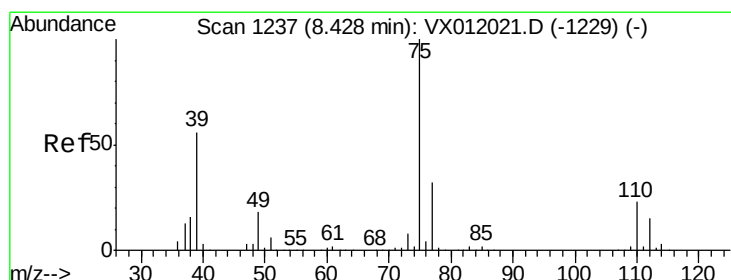
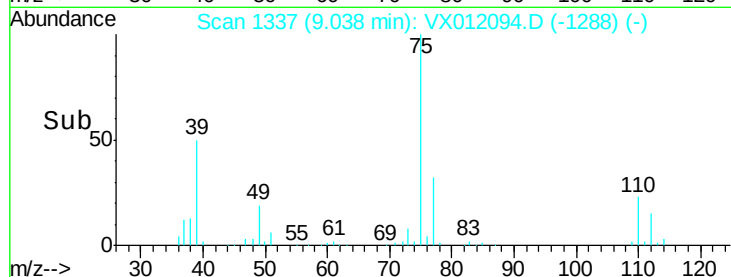
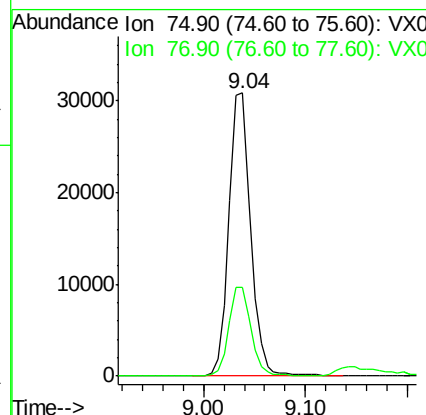
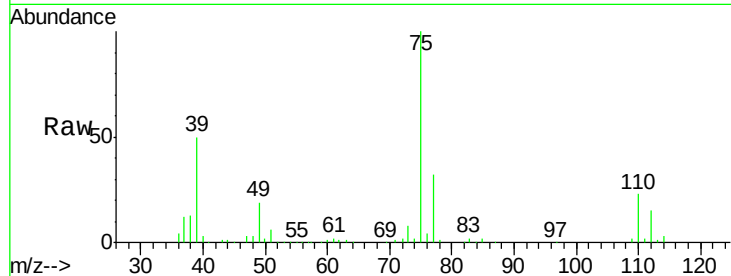
#53
t-1,3-Dichloropropene
Concen: 19.385 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS01

Tot Ion: 75 Resp: 45833
Ion Ratio Lower Upper
75 100
77 31.6 25.1 37.7

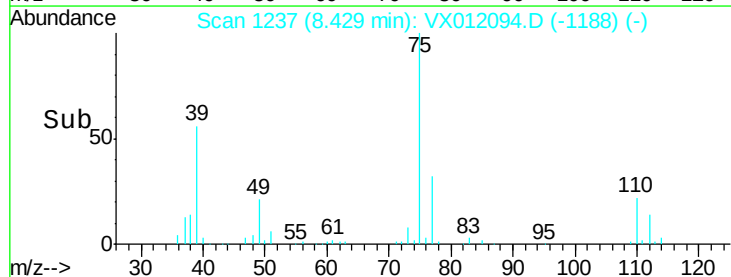
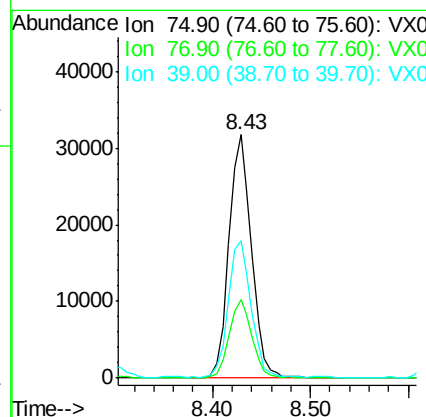
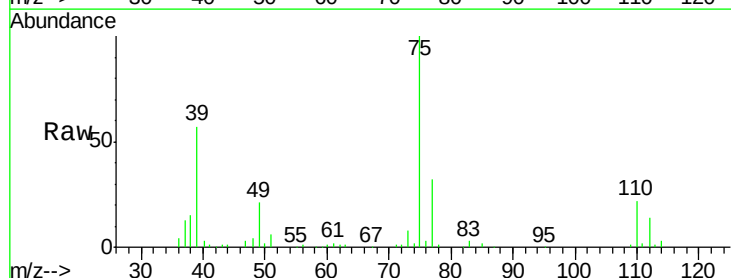
Manual Integrations
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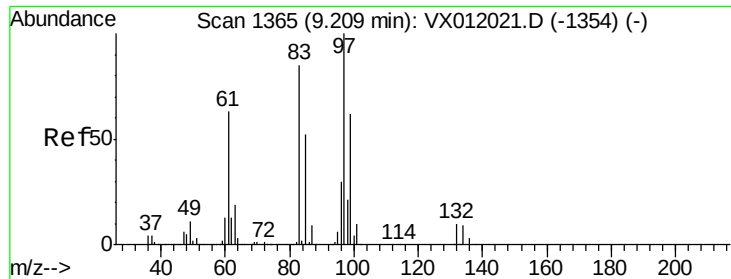
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.258 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Tgt Ion: 75 Resp: 50634
Ion Ratio Lower Upper
75 100
77 32.1 25.5 38.3
39 56.3 43.0 64.4





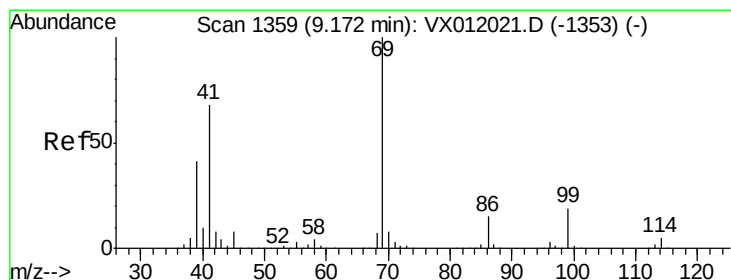
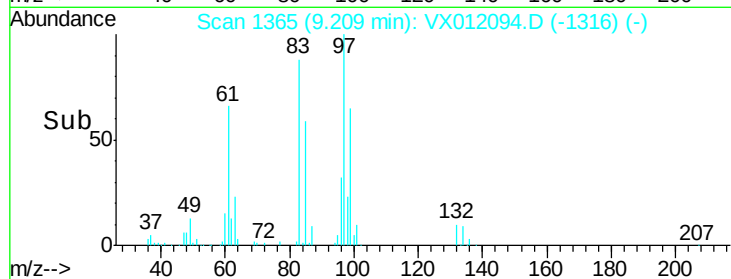
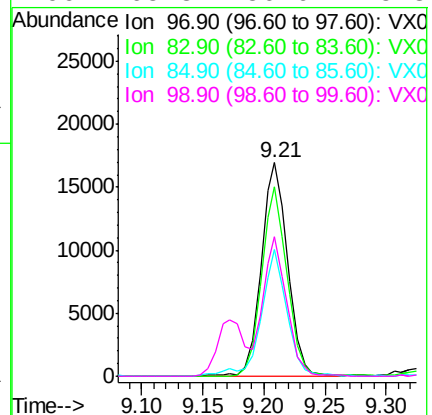
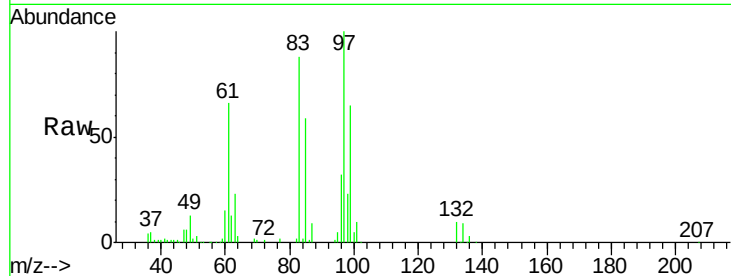
#55
 1,1,2-Trichloroethane
 Concen: 19.756 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0905SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		25376		
83	88.5	66.0	99.0		
85	59.1	41.0	61.6		
99	65.3	50.6	75.8		

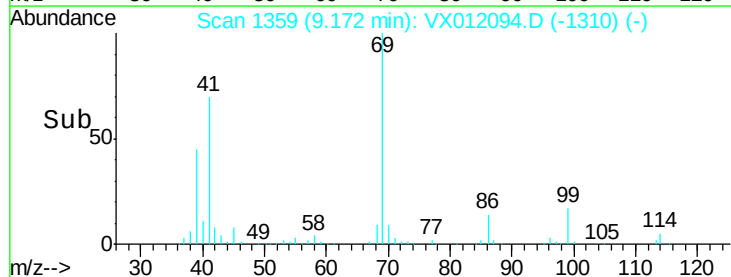
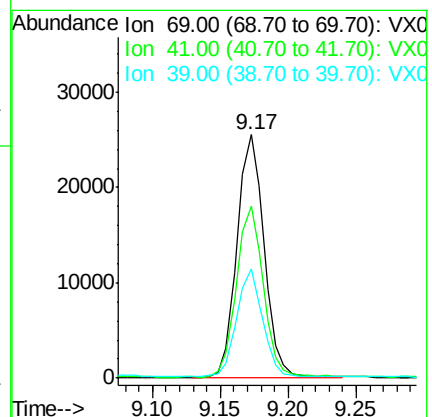
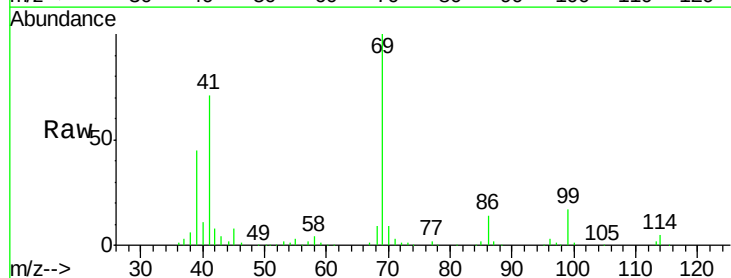
Manual Integrations
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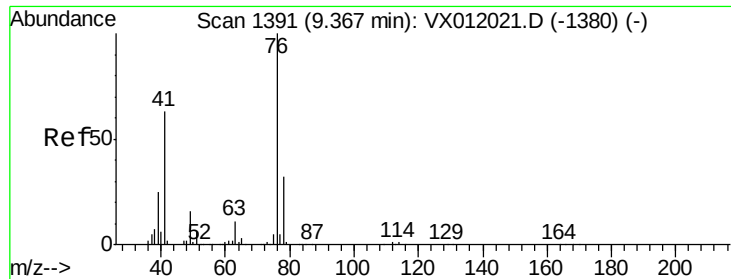
MMDadoda
 9/6/2019 3:47:11 PM



#56
 Ethyl methacrylate
 Concen: 19.473 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		35829		
41	70.0	53.9	80.9		
39	43.2	31.1	46.7		





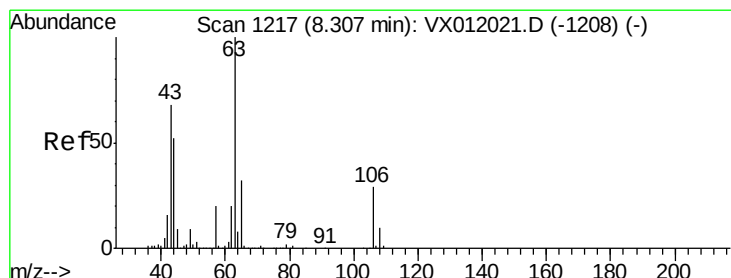
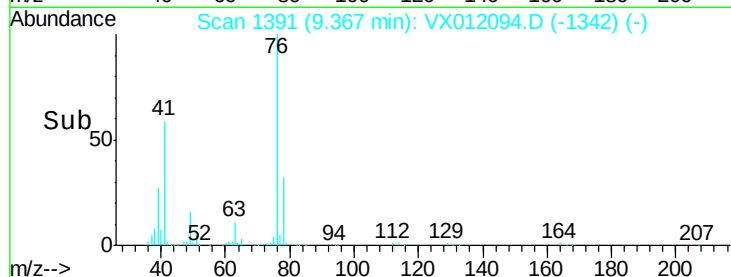
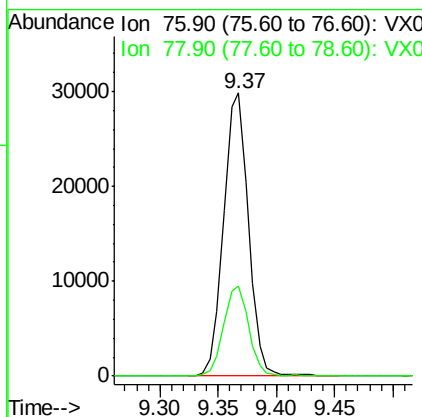
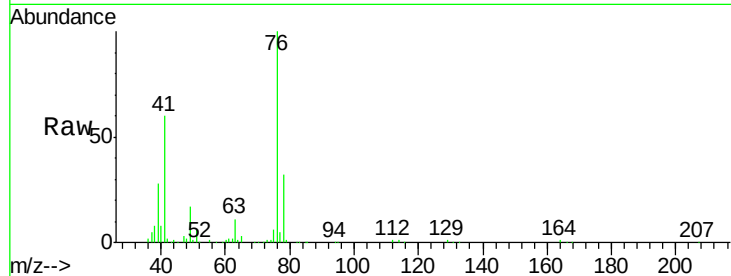
#57
 1,3-Dichloropropane
 Concen: 19.891 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS01

Tot Ion: 76 Resp: 44088
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.5 38.3

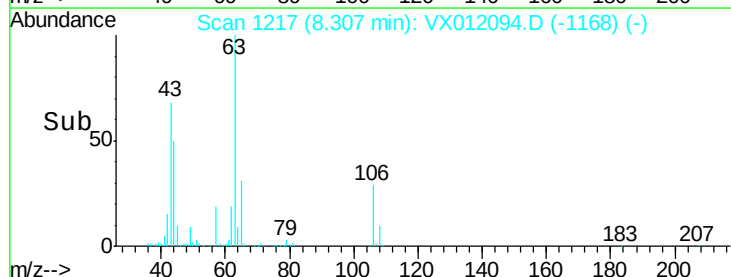
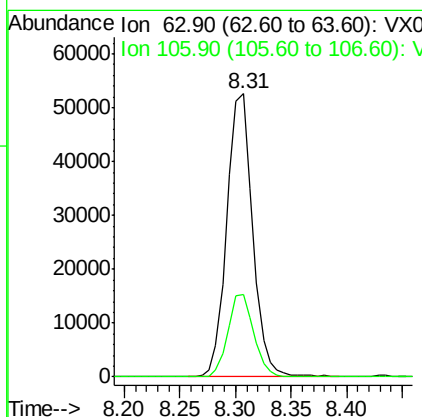
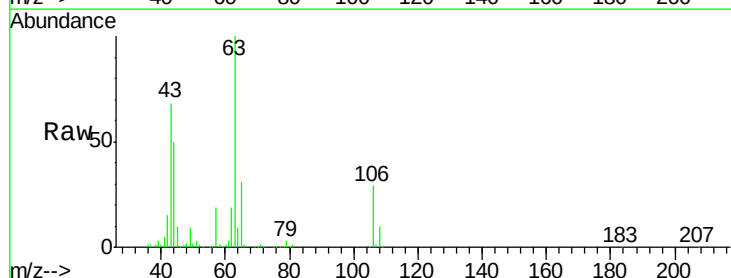
Manual Integrations
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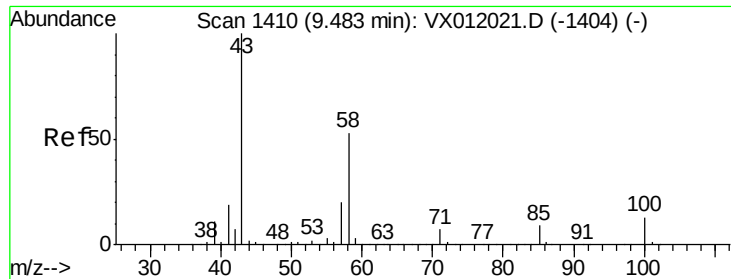
MMDadoda
 9/6/2019 3:47:11 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.273 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

Tgt Ion: 63 Resp: 84834
 Ion Ratio Lower Upper
 63 100
 106 29.2 26.5 39.7





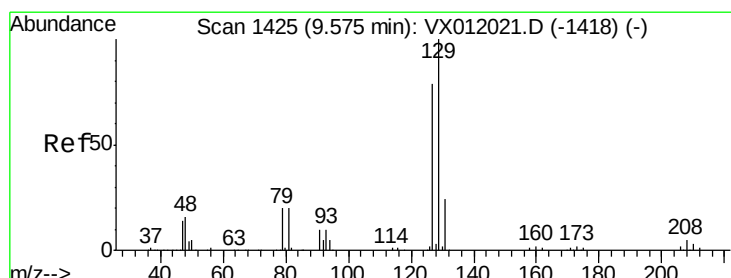
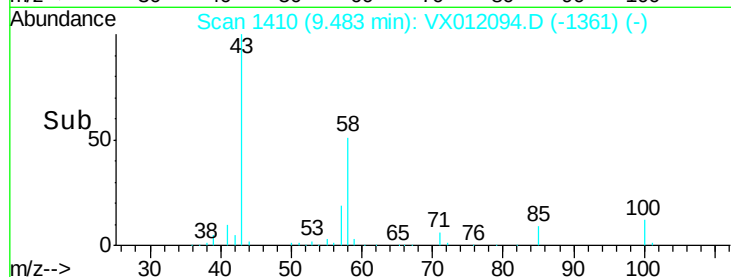
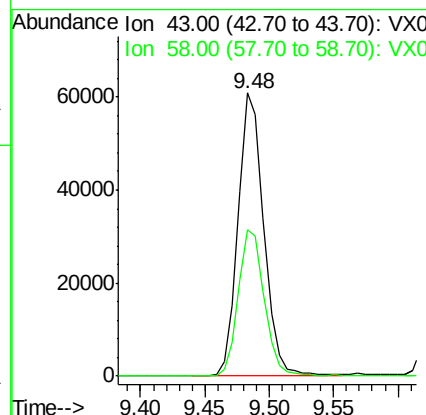
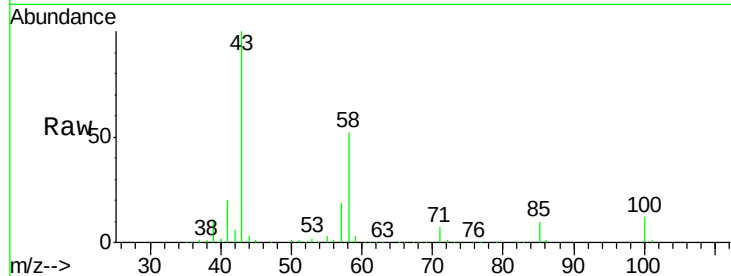
#59
2-Hexanone
Concen: 99.543 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS01

Tot Ion: 43 Resp: 84765
Ion Ratio Lower Upper
43 100
58 52.7 27.2 81.6

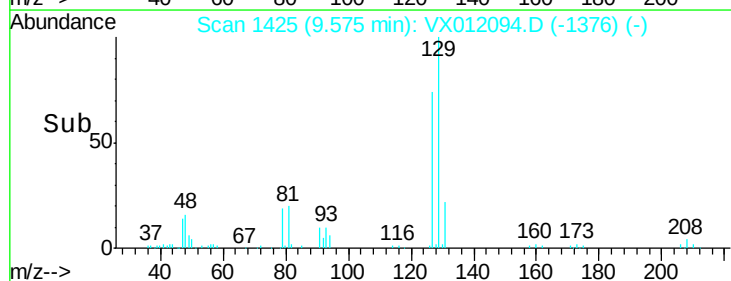
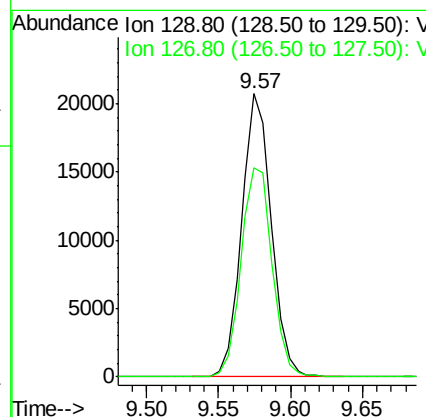
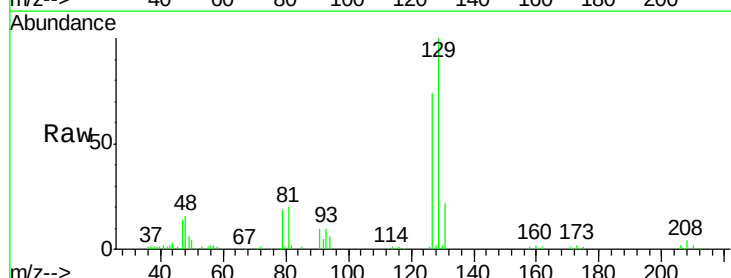
Manual Integrations
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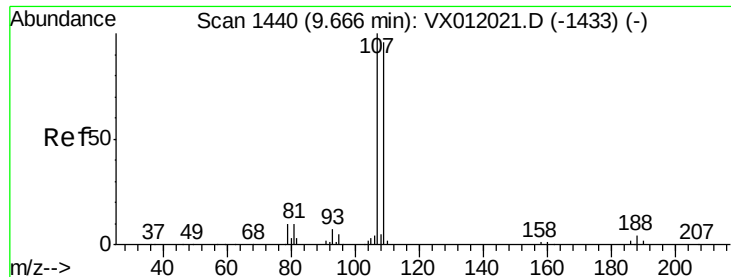
MMDadoda
9/6/2019 3:47:11 PM



#60
Dibromochloromethane
Concen: 19.307 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Tgt Ion: 129 Resp: 29556
Ion Ratio Lower Upper
129 100
127 77.5 38.1 114.5





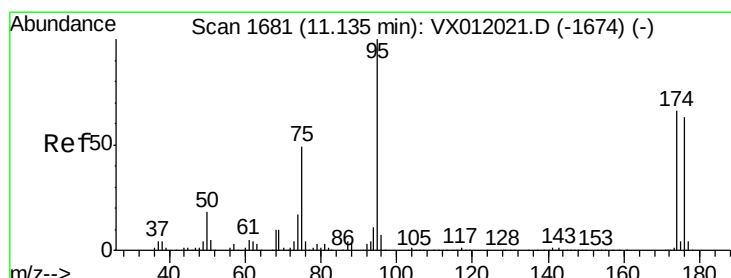
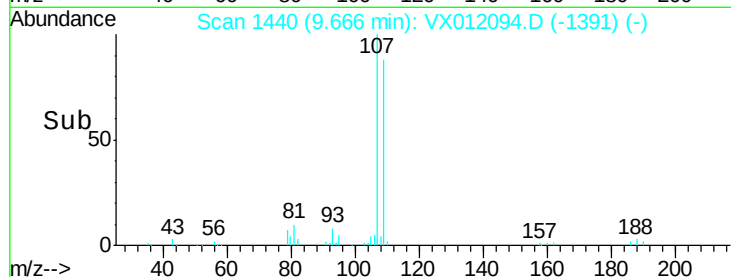
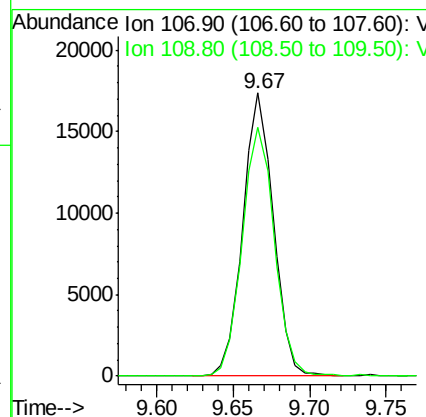
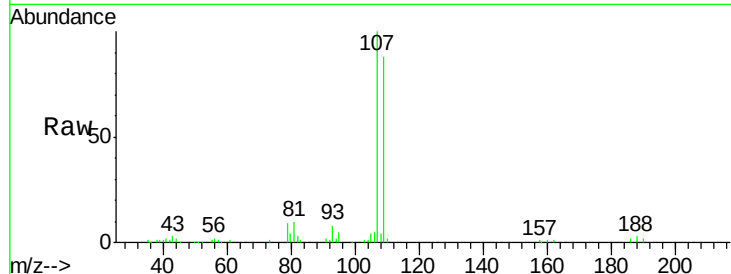
#61
 1,2-Dibromoethane
 Concen: 19.409 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	76.9	115.3

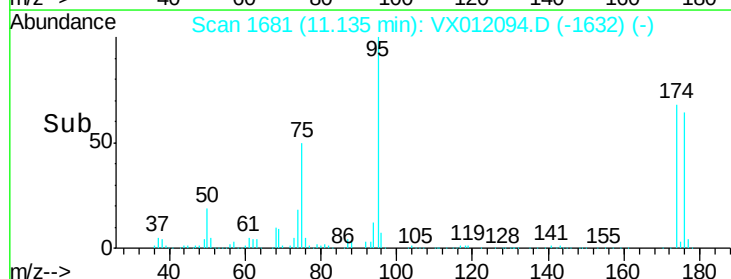
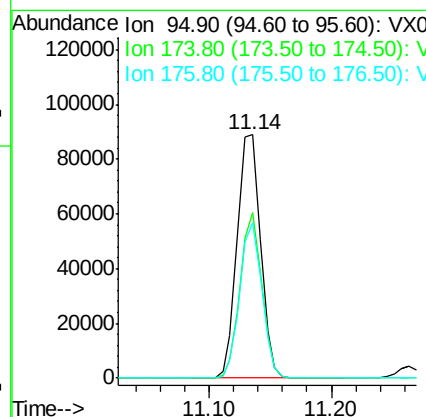
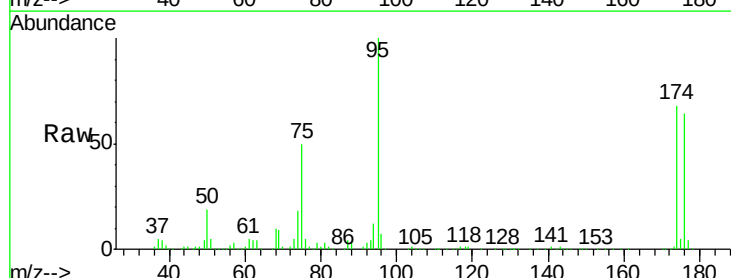
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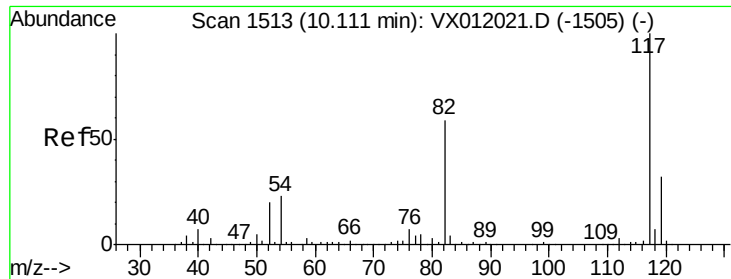
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#62
 4-Bromofluorobenzene
 Concen: 47.496 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	63.3	0.0	205.4
176	60.5	0.0	201.8





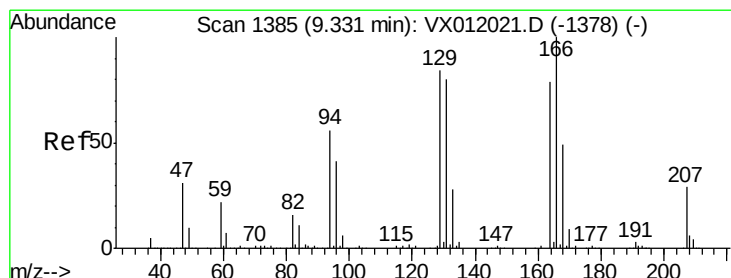
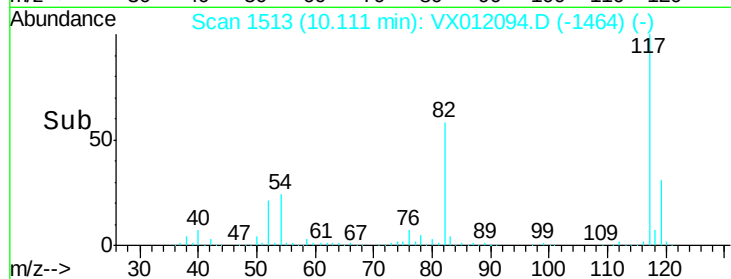
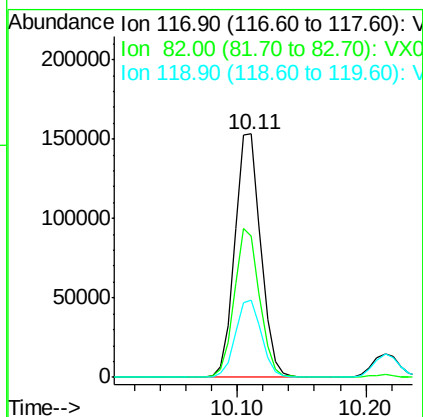
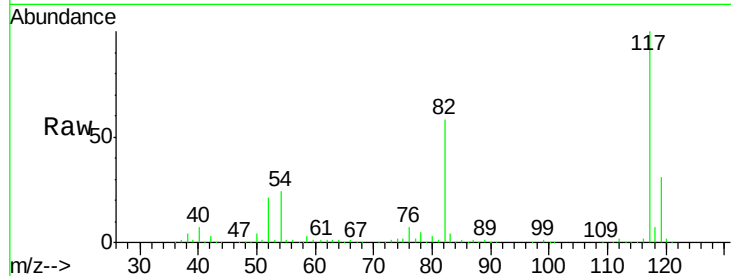
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	215286		
82	57.8	39.4	59.0	
119	31.5	26.1	39.1	

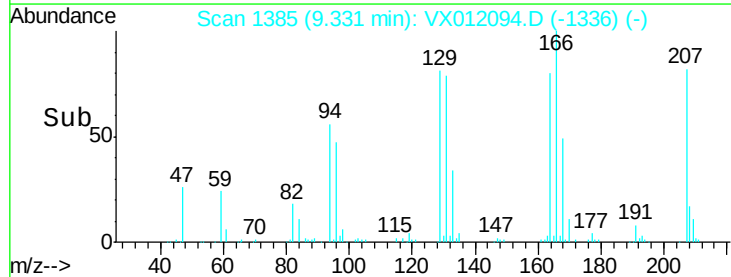
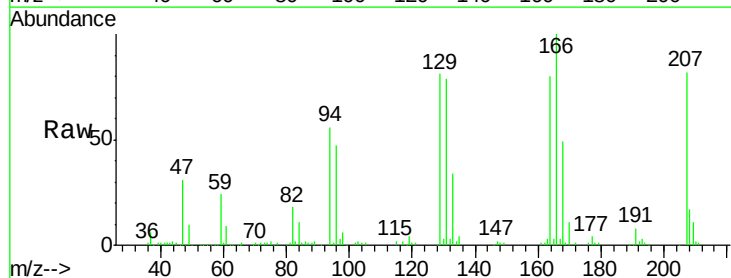
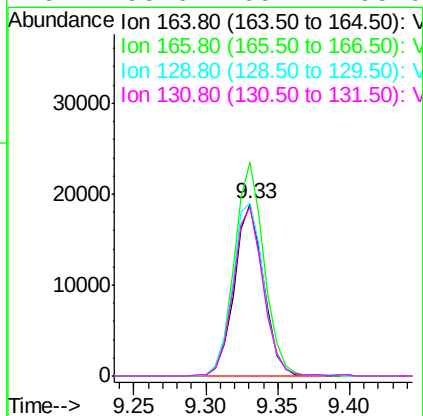
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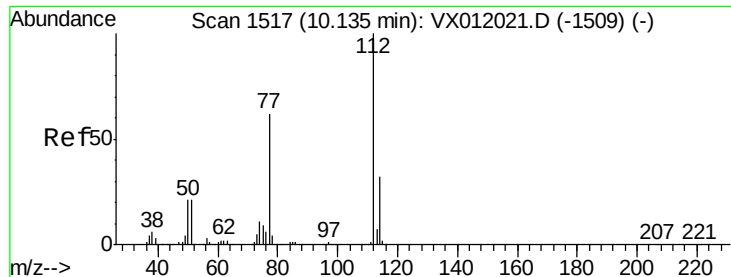
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#64
Tetrachloroethene
Concen: 20.051 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	26912		
166	124.2	104.3	156.5	
129	100.3	68.3	102.5	
131	98.6	65.4	98.0	





#65

Chlorobenzene

Concen: 19.993 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS01

Tot Ion:112 Resp: 84925

Ion Ratio Lower Upper

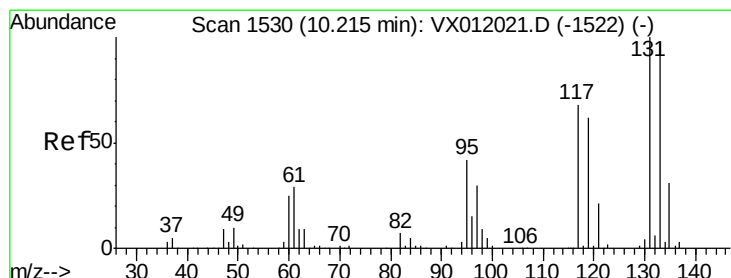
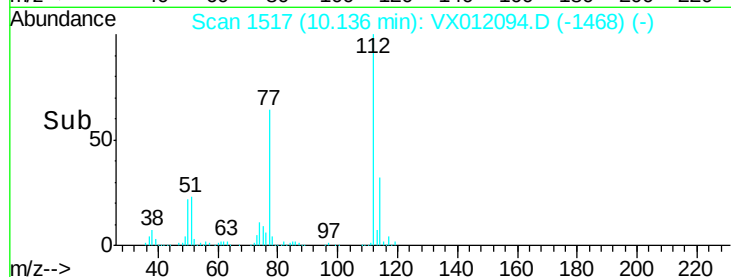
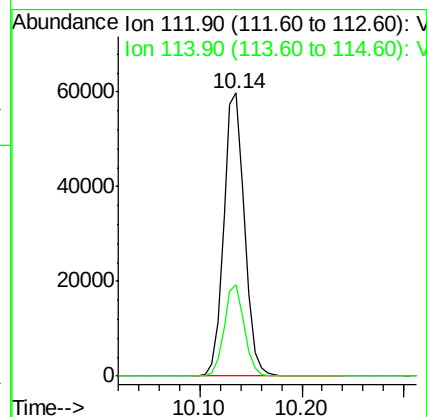
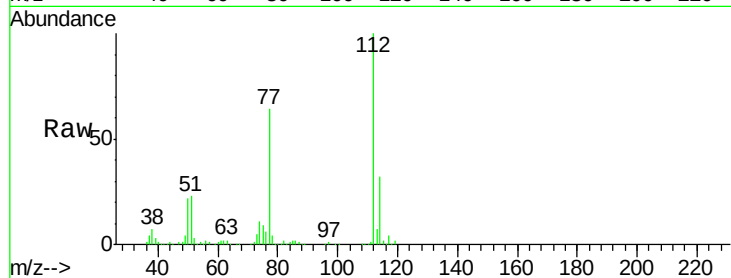
112 100

114 32.5 26.2 39.2

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.101 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

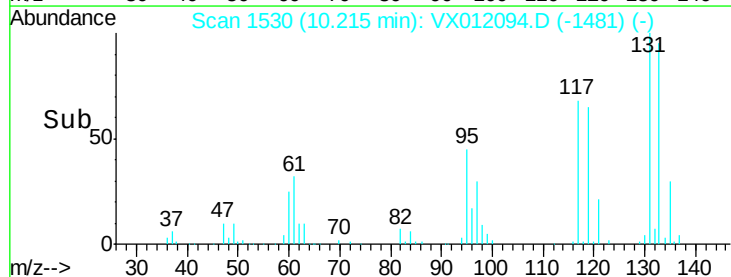
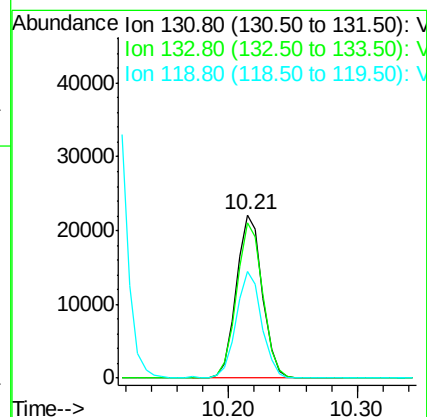
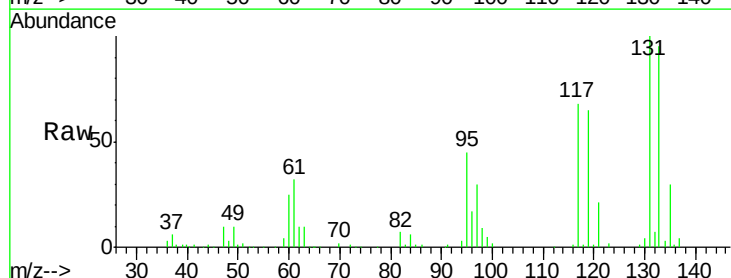
Tgt Ion:131 Resp: 31220

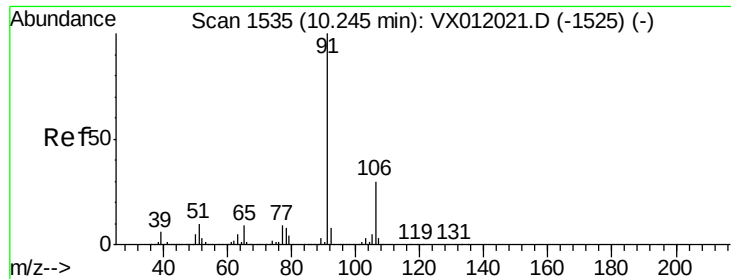
Ion Ratio Lower Upper

131 100

133 96.2 48.4 145.0

119 64.3 30.5 91.5





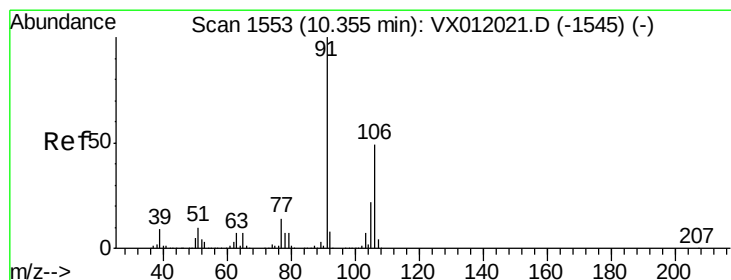
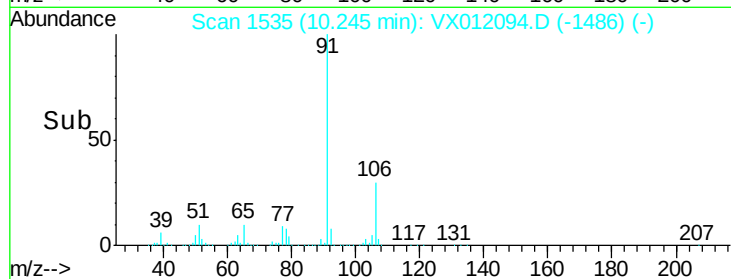
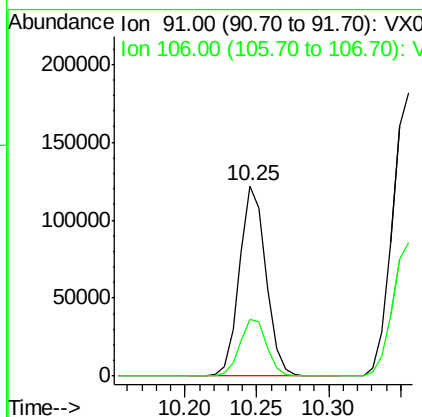
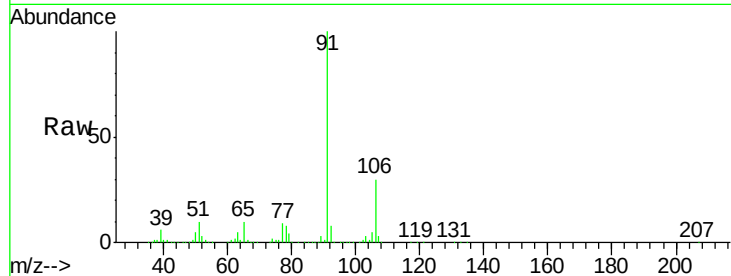
#67
Ethyl Benzene
Concen: 20.187 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS01

Tot Ion: 91 Resp: 156306
Ion Ratio Lower Upper
91 100
106 30.0 25.8 38.8

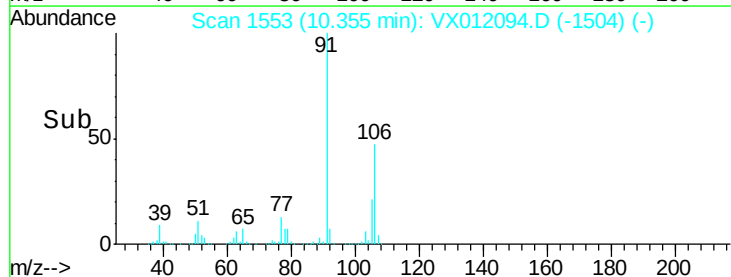
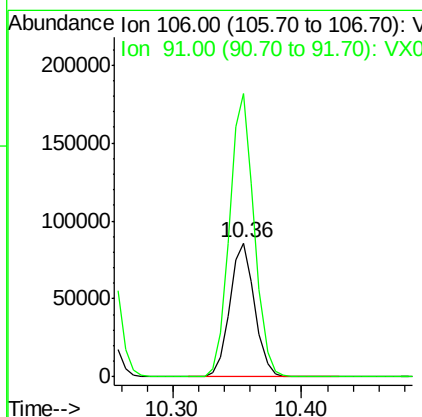
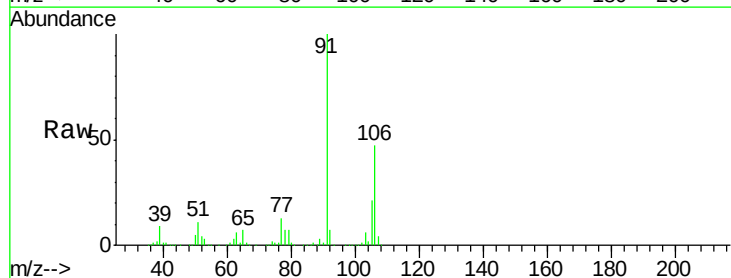
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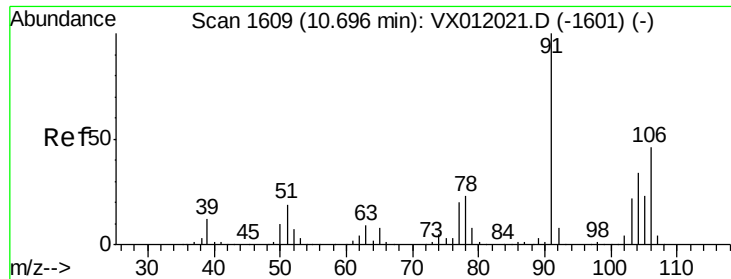
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#68
m/p-Xylenes
Concen: 40.516 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Tgt Ion: 106 Resp: 115581
Ion Ratio Lower Upper
106 100
91 210.7 157.5 236.3





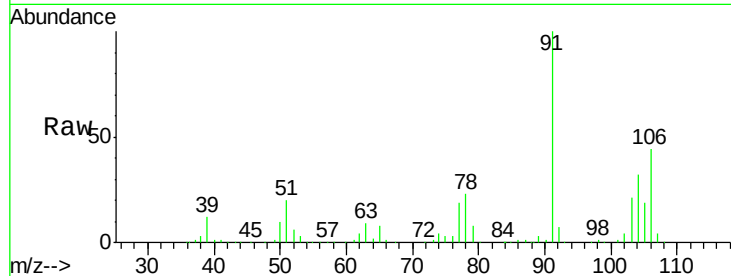
#69
o-Xylene
Concen: 20.087 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Instrument :
MSVOA_X
ClientSampleID :
VX0905SBS01

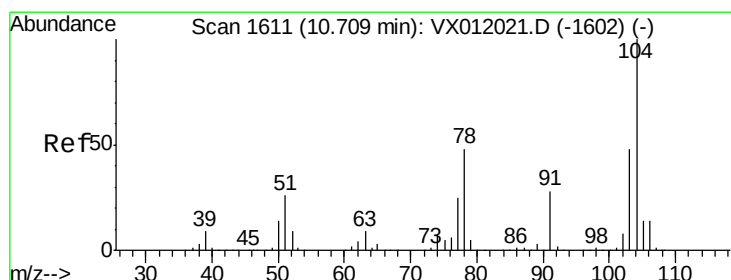
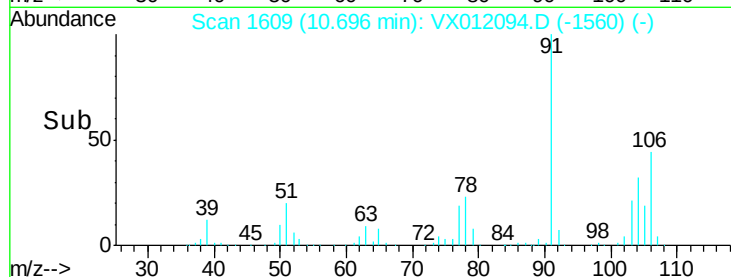
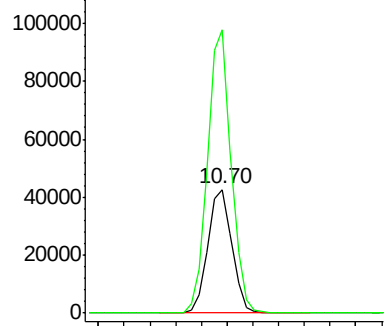
Tot Ion:106 Resp: 55567
Ion Ratio Lower Upper
106 100
91 224.4 103.5 310.3

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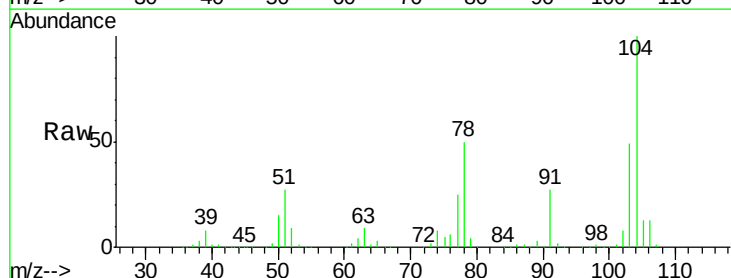


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

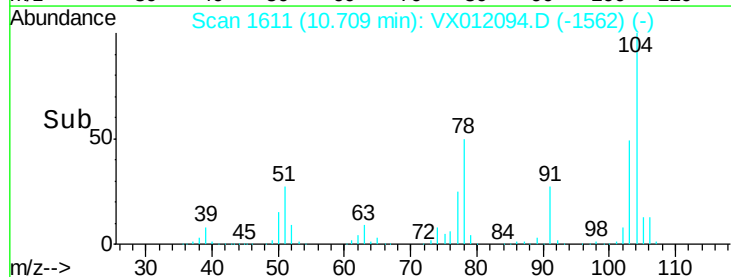
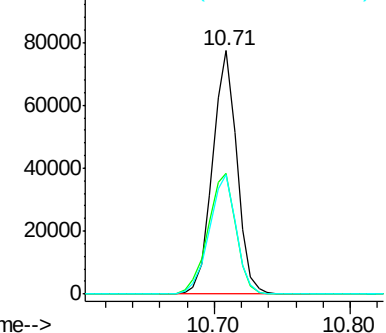


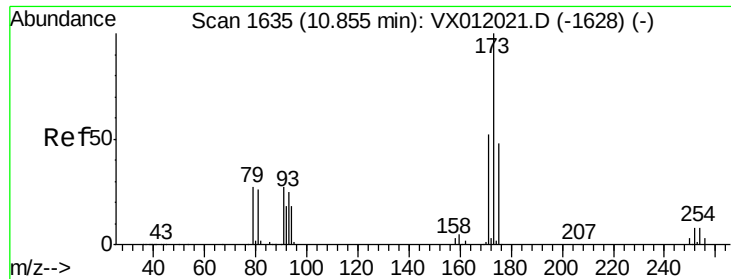
#70
Styrene
Concen: 20.116 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Tgt Ion:104 Resp: 96653
Ion Ratio Lower Upper
104 100
78 56.8 39.1 58.7
103 53.9 43.4 65.2



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





#71

Bromoform

Concen: 19.530 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Instrument :

MSVOA_X

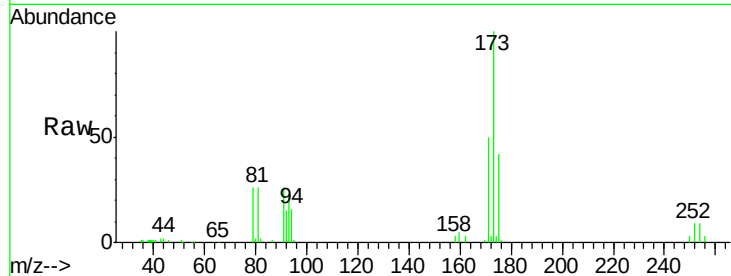
ClientSampleId :

VX0905SBS01

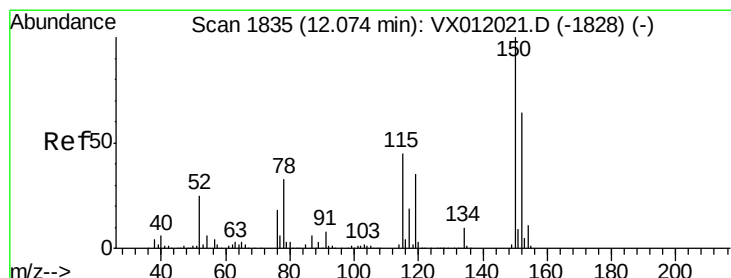
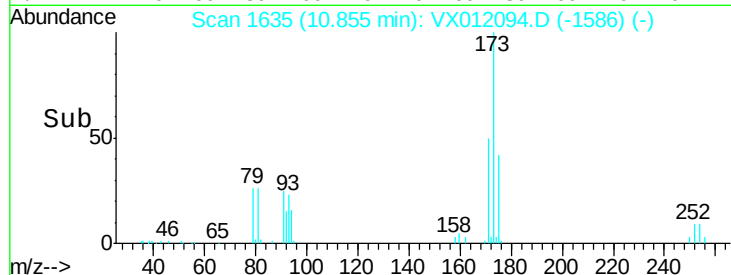
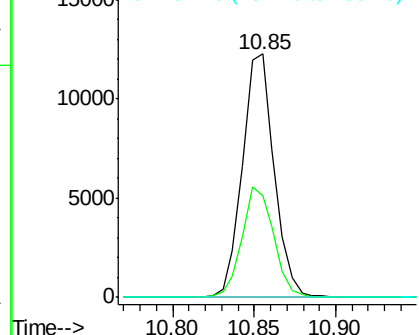
Tot Ion	Ratio	Lower	Upper
173	100		
175	44.9	24.9	74.7
254	0.0	0.1	0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

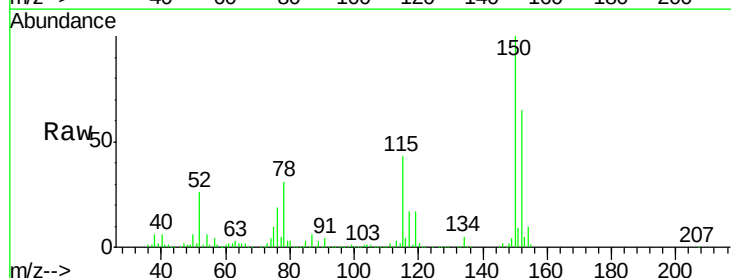
RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

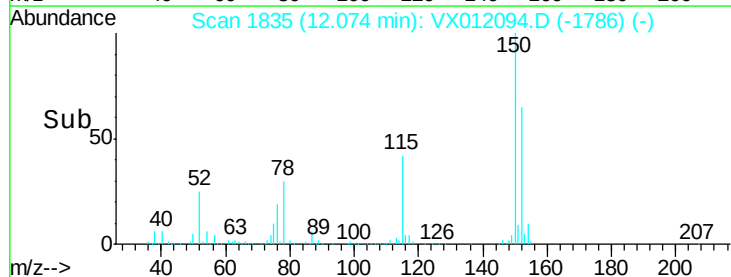
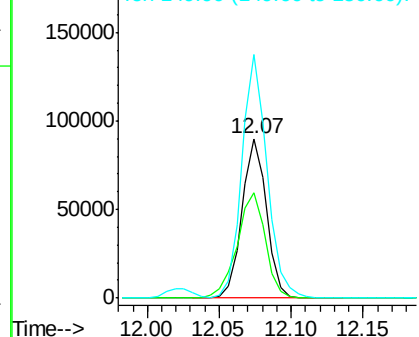
Lab File: VX012094.D

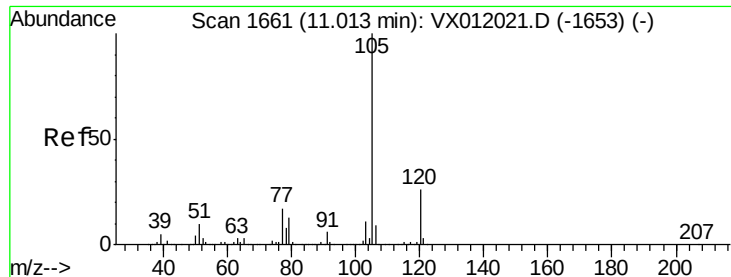
Acq: 05 Sep 2019 12:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	76.2	36.4	109.3
150	158.2	0.0	341.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.471 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Instrument :

MSVOA_X

ClientSampled :

VX0905SBS01

Tot Ion: 105 Resp: 159288

Ion Ratio Lower Upper

105 100

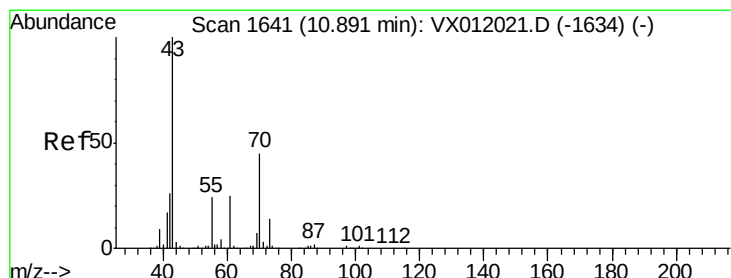
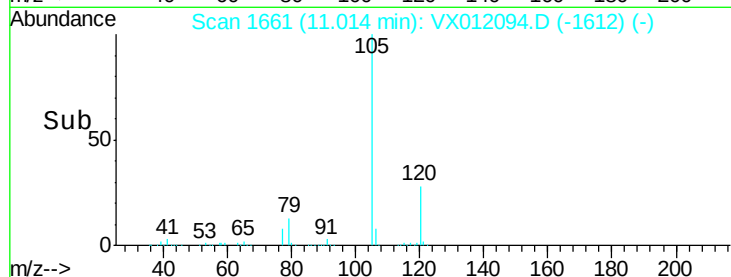
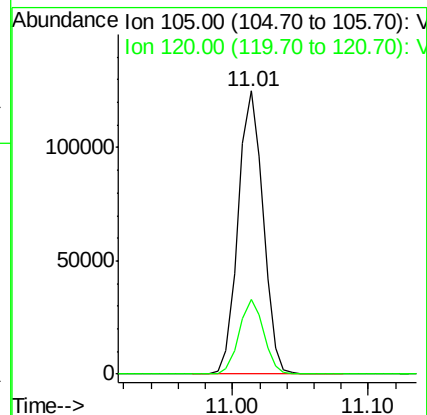
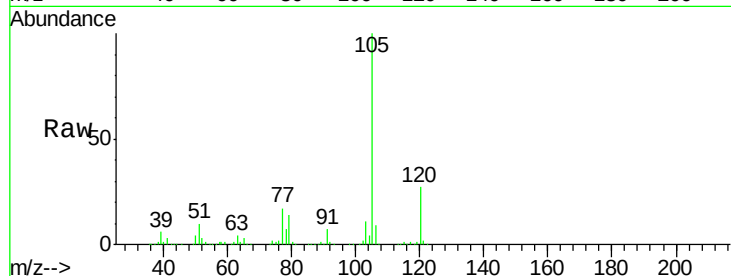
120 26.0 13.9 41.6

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#74

N-ethyl acetate

Concen: 18.870 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Tgt Ion: 43 Resp: 43413

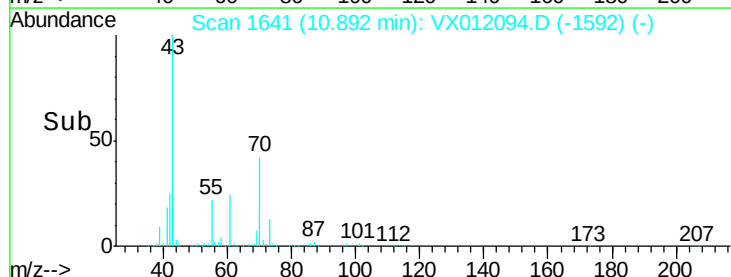
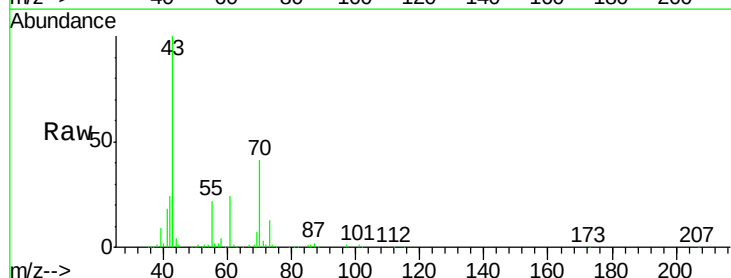
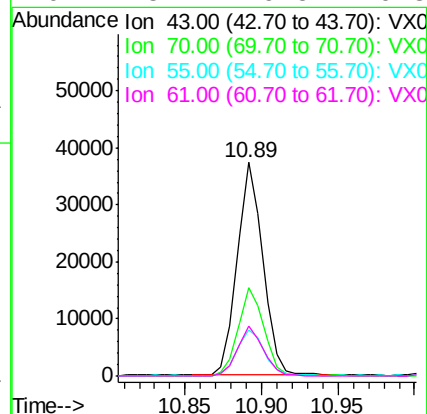
Ion Ratio Lower Upper

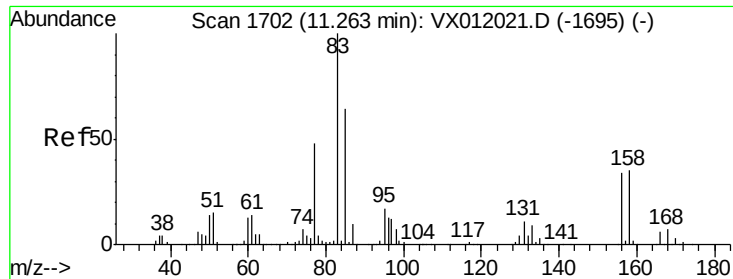
43 100

70 42.0 34.4 51.6

55 23.3 18.5 27.7

61 23.7 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 19.013 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Instrument :

MSVOA_X

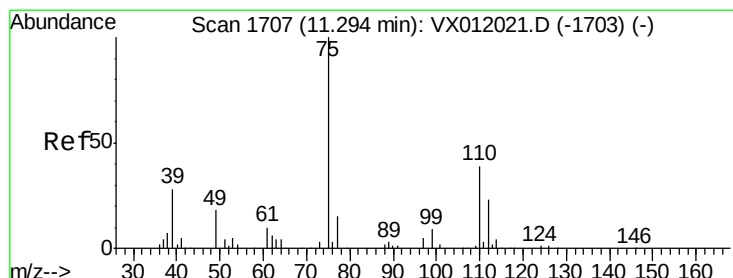
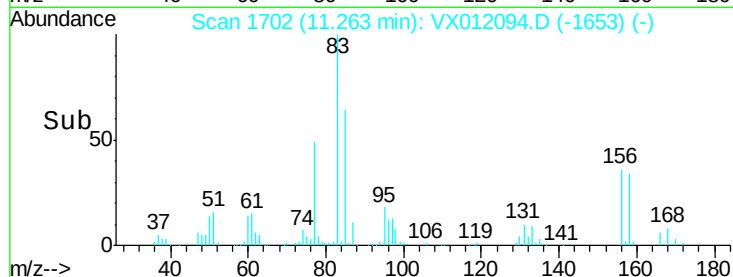
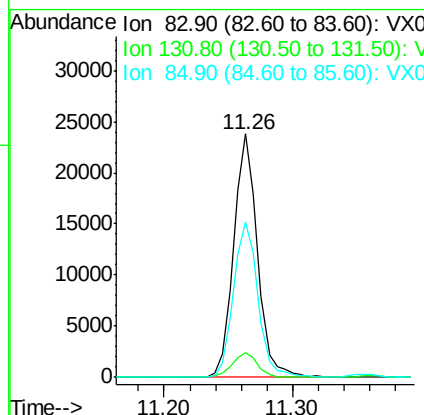
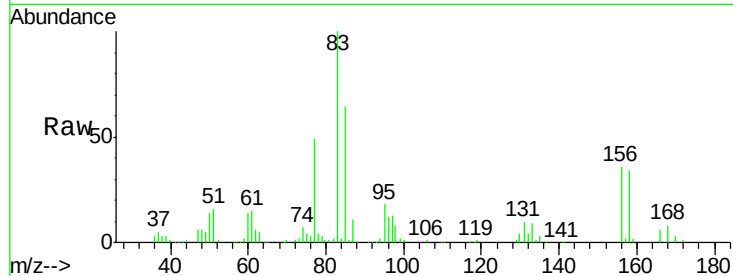
ClientSampleId :

VX0905SBS01

Tot Ion:	83	Resp:	30842
Ion Ratio	Lower	Upper	
83	100		
131	10.9	6.3	19.1
85	66.1	32.5	97.4

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#76

1,2,3-Trichloropropane

Concen: 18.304 ug/l m

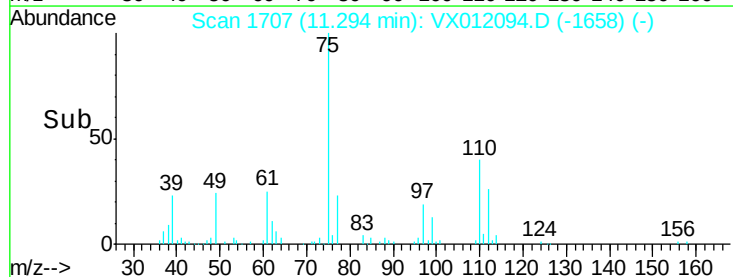
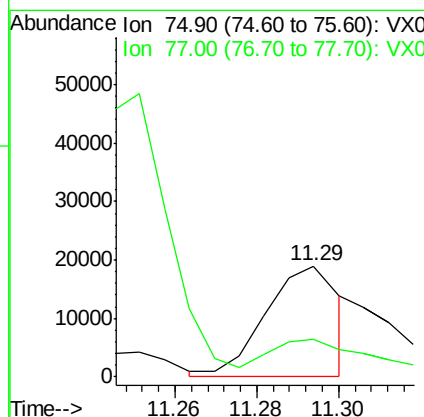
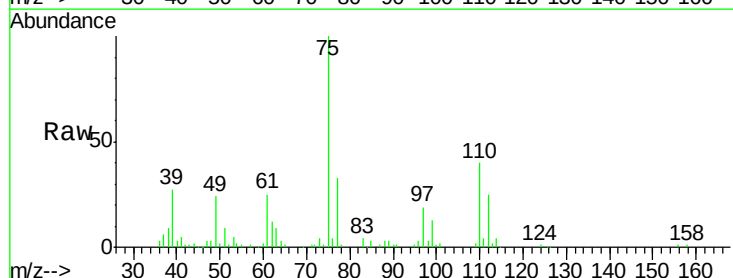
RT: 11.29 min Scan# 1707

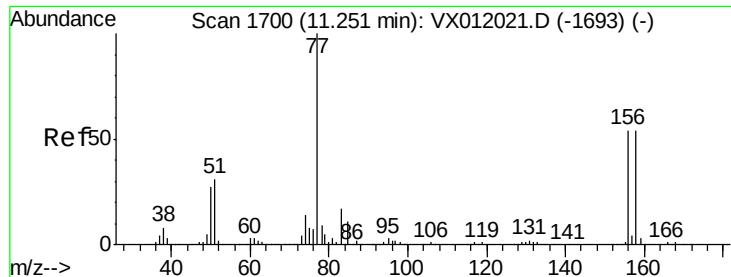
Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Tgt Ion:	75	Resp:	23718
Ion Ratio	Lower	Upper	
75	100		
77	47.9	23.5	70.5





#77

Bromobenzene

Concen: 19.826 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS01

Tot Ion:156 Resp: 34502

Ion Ratio Lower Upper

156 100

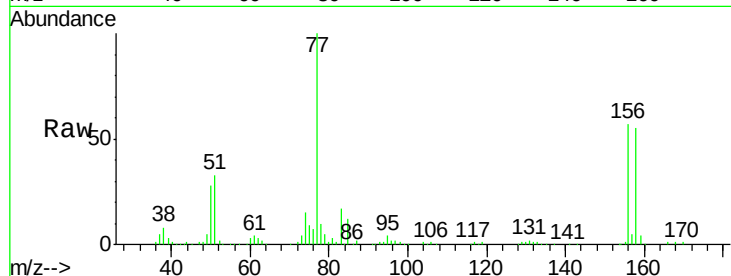
77 184.2 63.4 190.2

158 95.7 48.9 146.6

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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V

60000

50000

40000

30000

20000

10000

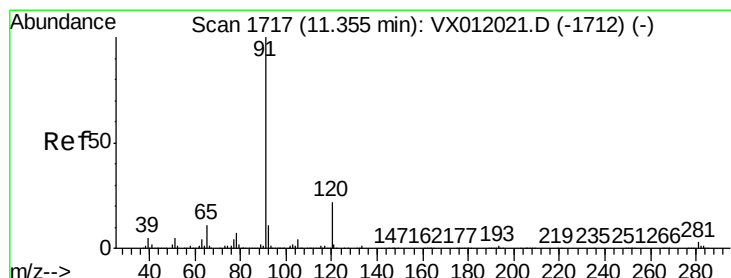
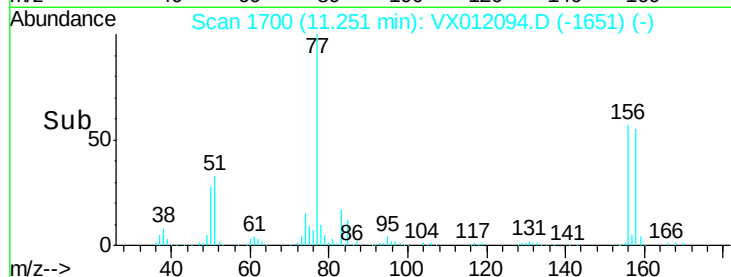
0

11.20

11.25

11.30

Time-->



#78

n-propylbenzene

Concen: 20.279 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX012094.D

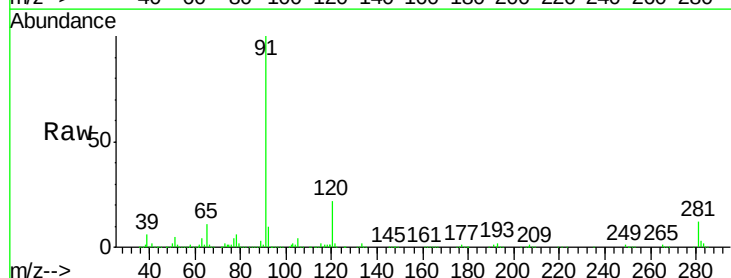
Acq: 05 Sep 2019 12:04

Tgt Ion: 91 Resp: 190634

Ion Ratio Lower Upper

91 100

120 22.1 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

150000

100000

50000

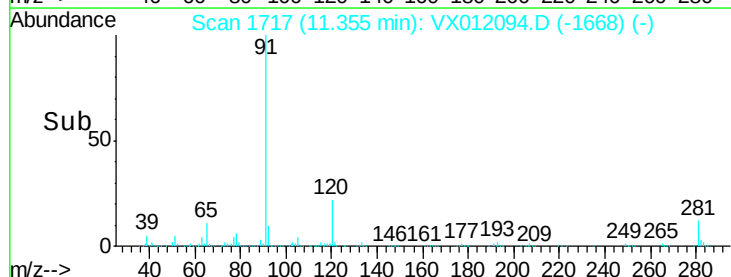
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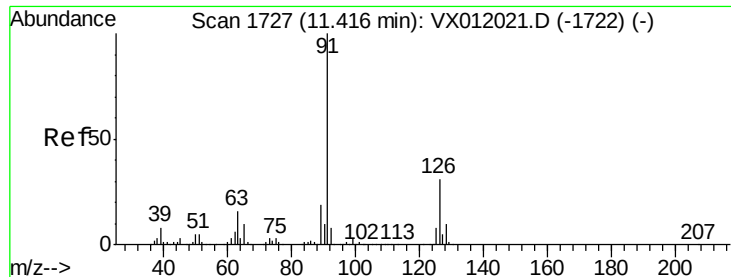
11.30

11.35

11.40

Time-->





#79

2-Chlorotoluene

Concen: 20.425 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS01

Tot Ion: 91 Resp: 116321

Ion Ratio Lower Upper

91 100

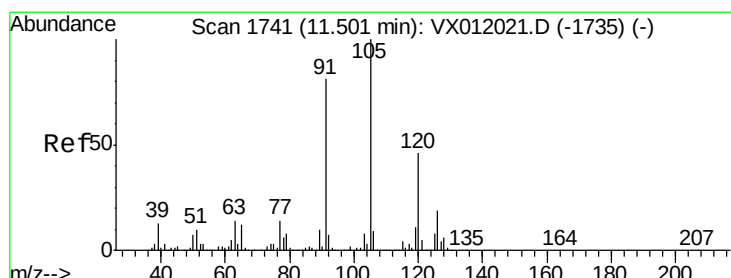
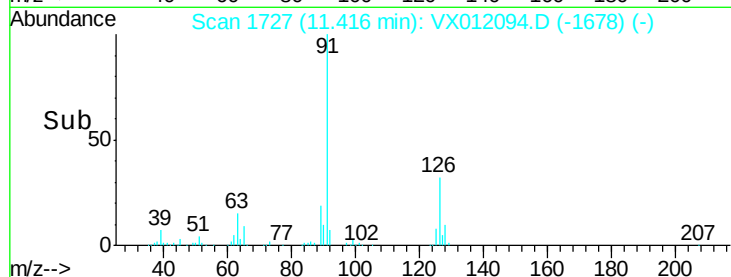
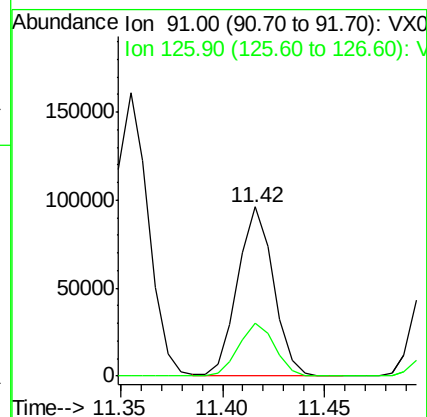
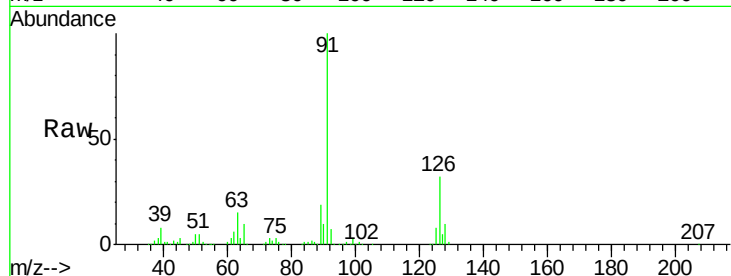
126 32.0 18.6 55.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.593 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012094.D

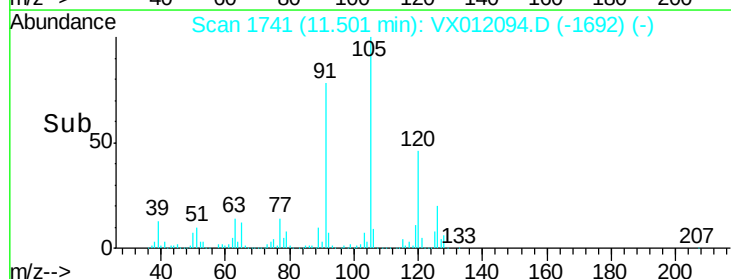
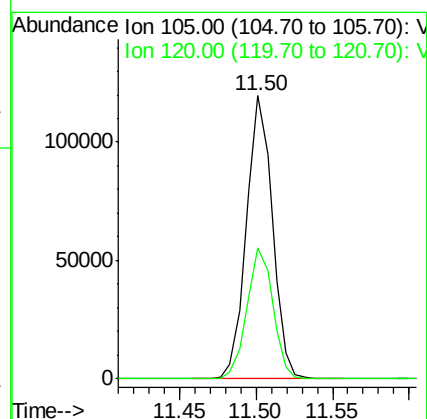
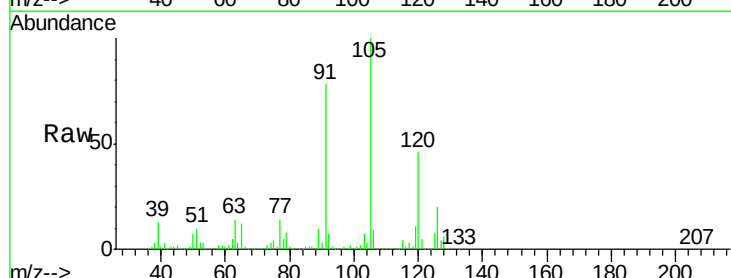
Acq: 05 Sep 2019 12:04

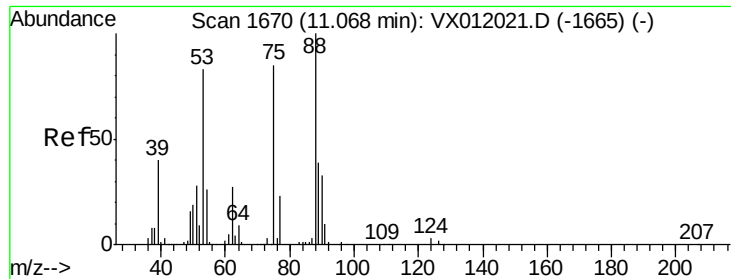
Tgt Ion: 105 Resp: 140424

Ion Ratio Lower Upper

105 100

120 46.6 25.8 77.3





#81

trans-1,4-Dichloro-2-butene

Concen: 17.404 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Instrument :

MSVOA_X

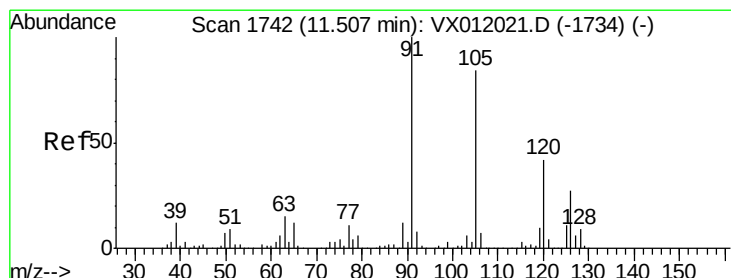
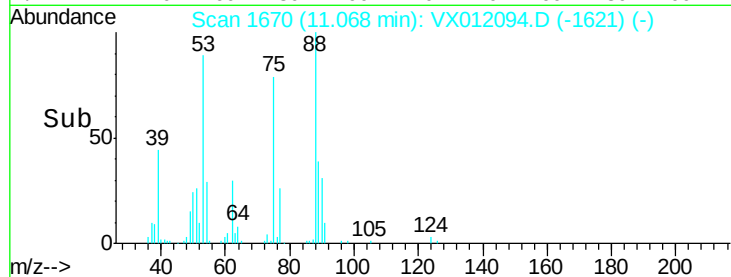
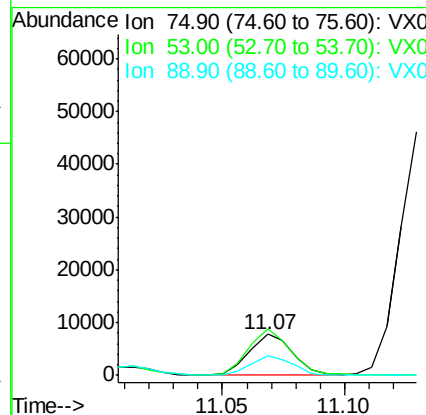
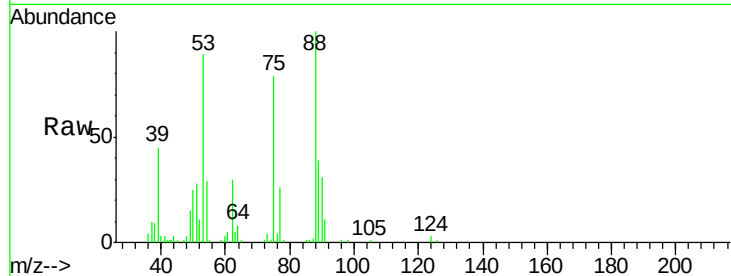
ClientSampleId :

VX0905SBS01

Tot Ion:	75	Resp:	9539
Ion	Ratio	Lower	Upper
75	100		
53	114.5	78.6	117.8
89	48.5	38.8	58.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.495 ug/l

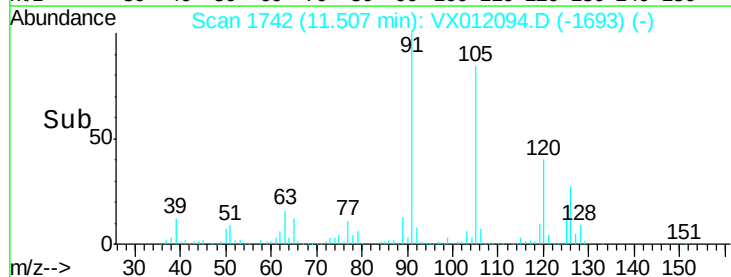
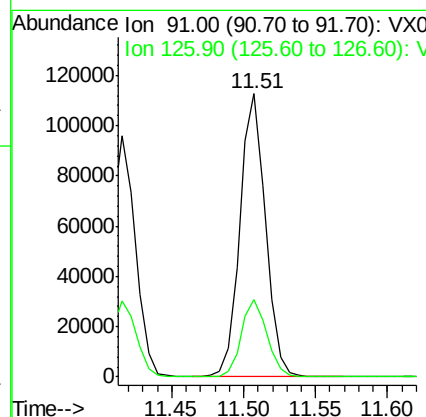
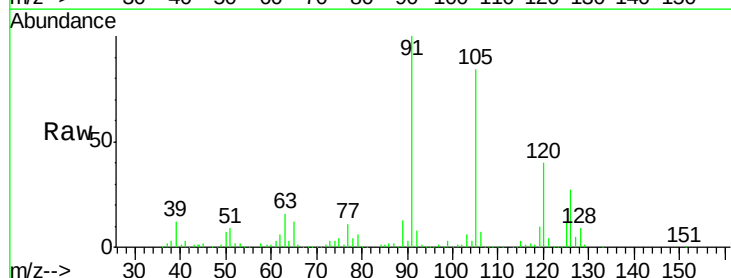
RT: 11.51 min Scan# 1742

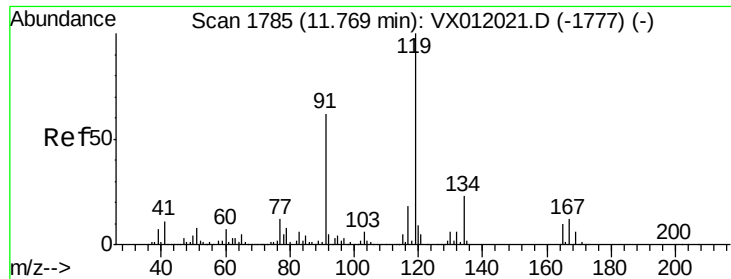
Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Tgt Ion:	91	Resp:	139124
Ion	Ratio	Lower	Upper
91	100		
126	27.5	16.2	48.6





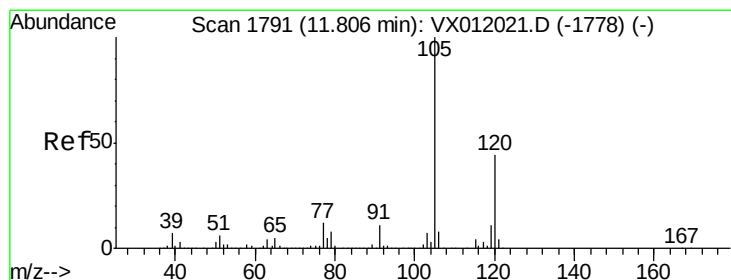
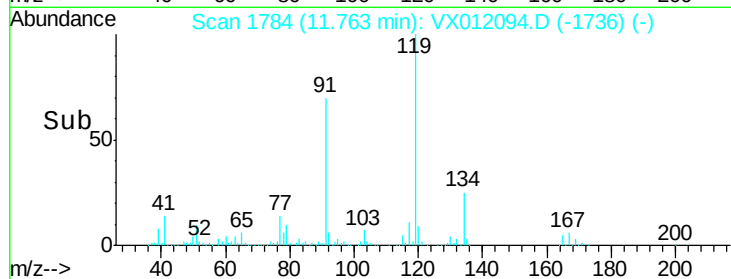
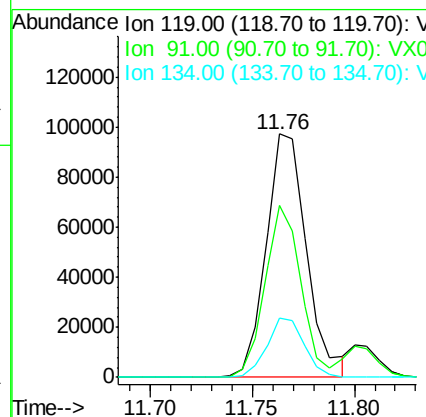
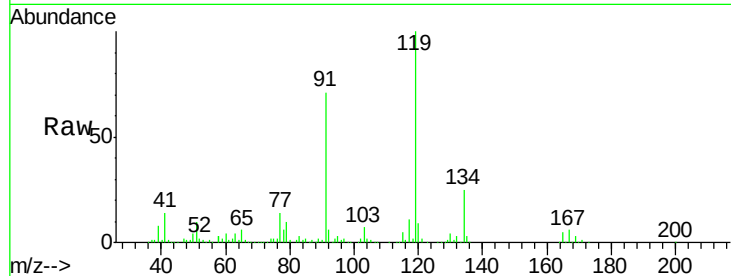
#83
tert-Butylbenzene
Concen: 20.683 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	134428		
91	62.8	27.1	81.2	
134	22.8	12.1	36.3	

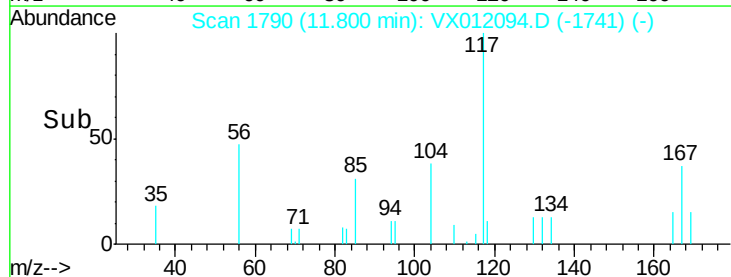
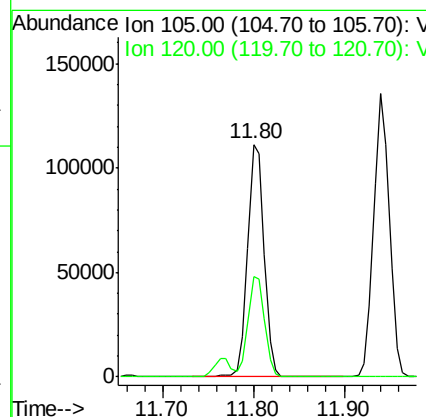
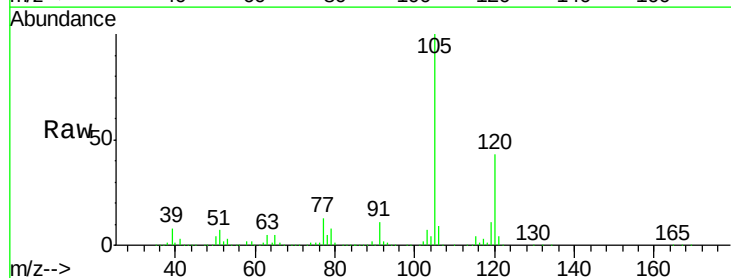
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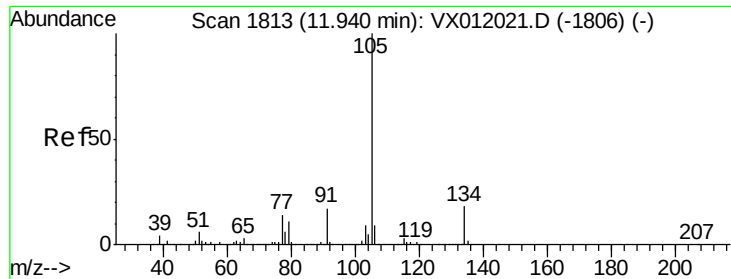
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#84
1,2,4-Trimethylbenzene
Concen: 20.113 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	140961		
120	43.0	23.6	70.8	





#85

sec-Butylbenzene

Concen: 20.345 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS01

Tot Ion:105 Resp: 164240

Ion Ratio Lower Upper

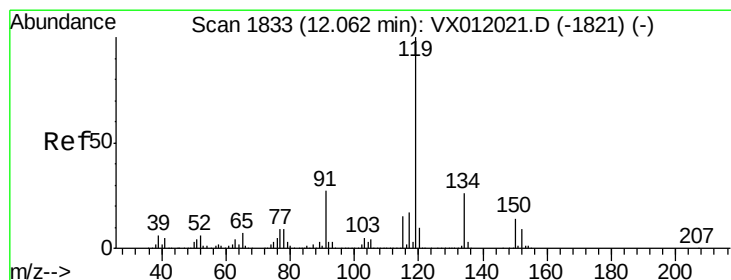
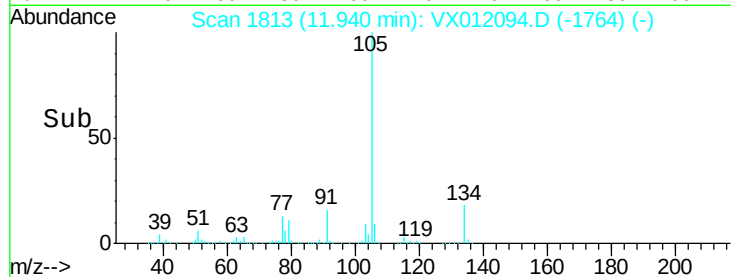
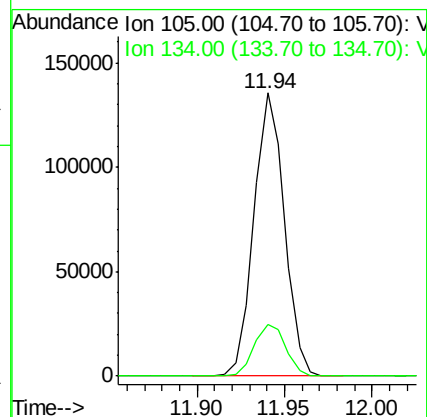
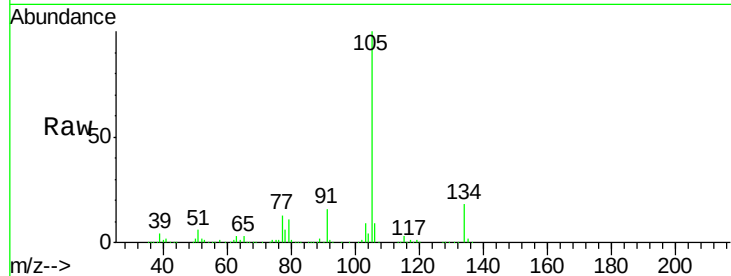
105 100

134 19.0 11.2 33.6

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 20.035 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

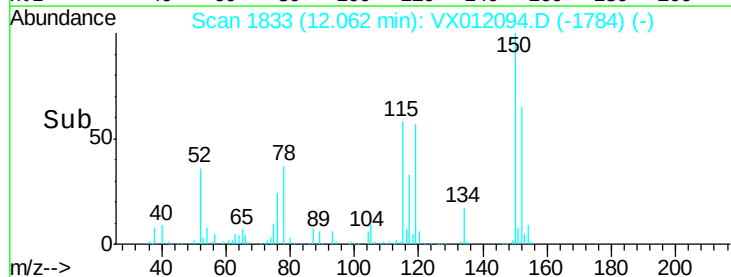
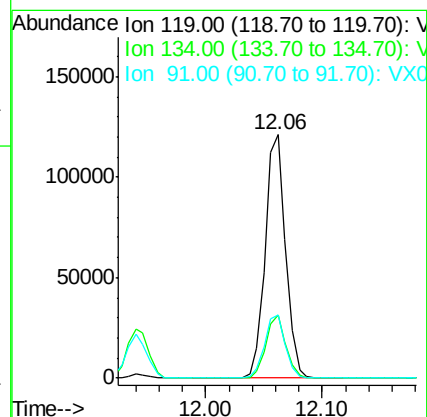
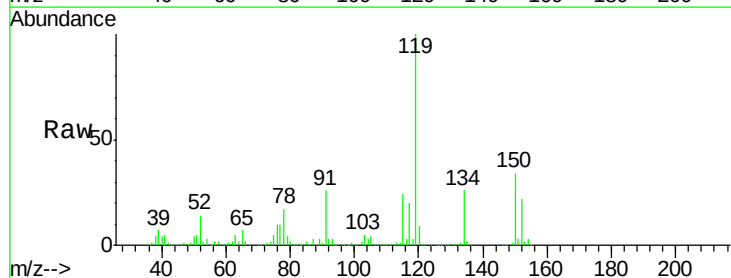
Tgt Ion:119 Resp: 147091

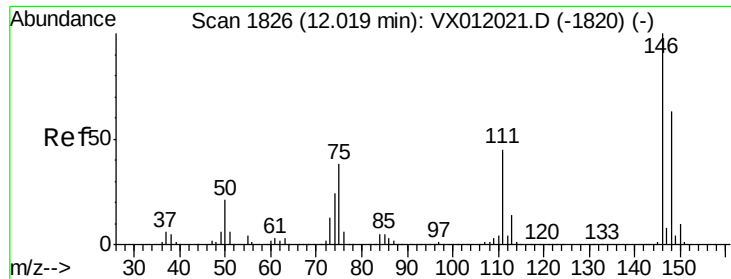
Ion Ratio Lower Upper

119 100

134 25.1 13.7 41.1

91 26.4 11.4 34.1





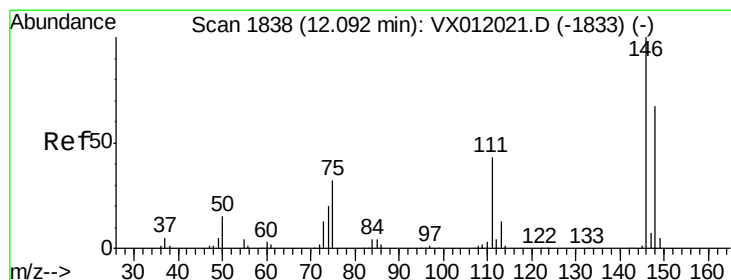
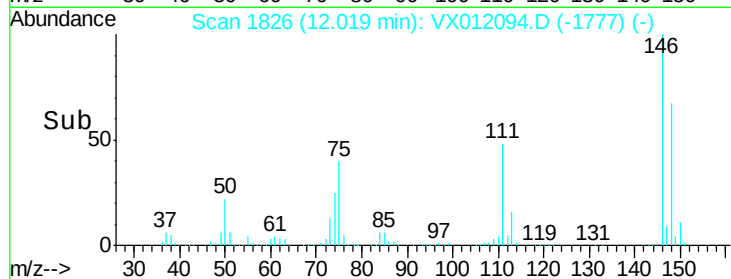
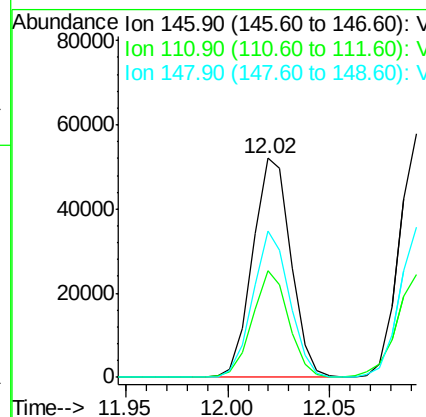
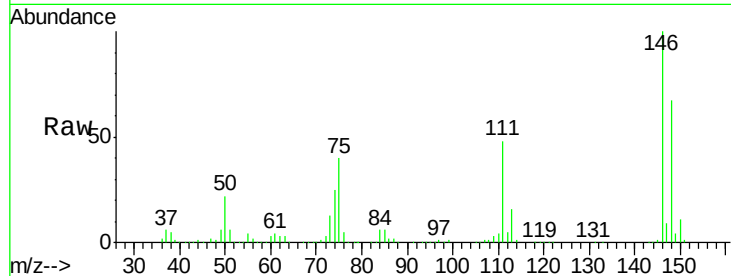
#87
 1,3-Dichlorobenzene
 Concen: 19.492 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.2	18.1	54.1
148	64.0	32.6	97.8

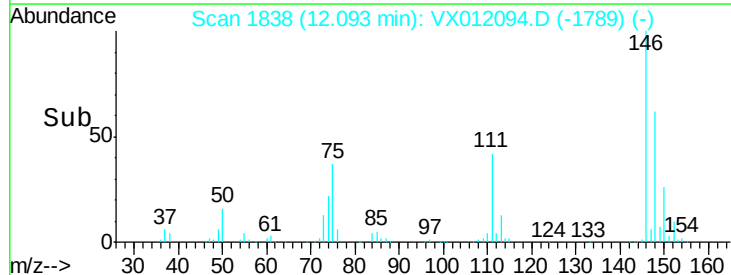
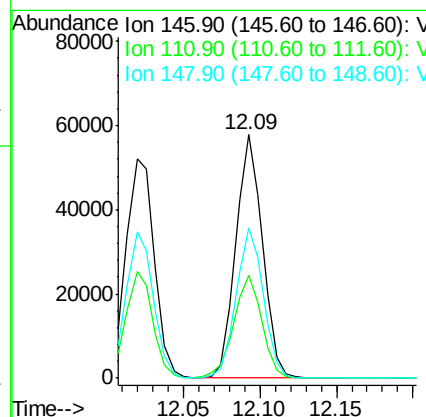
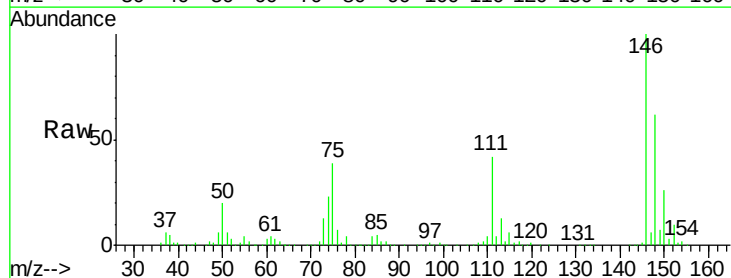
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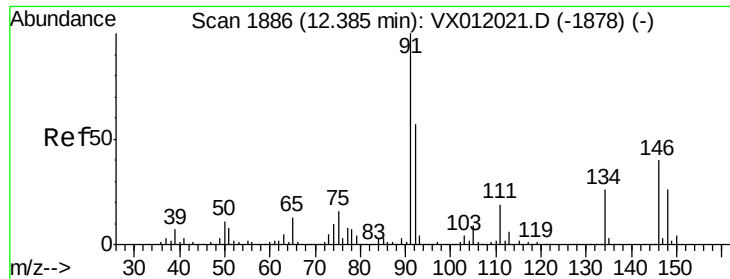
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#88
 1,4-Dichlorobenzene
 Concen: 19.996 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.0	17.7	53.1
148	63.1	32.4	97.0





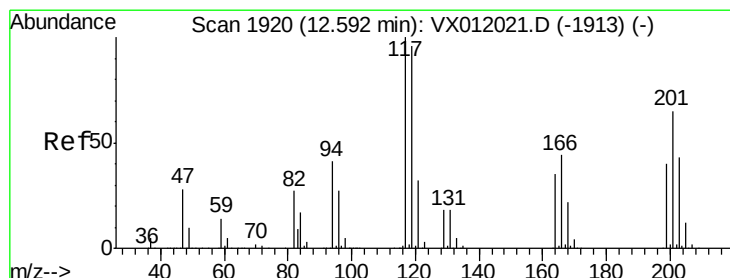
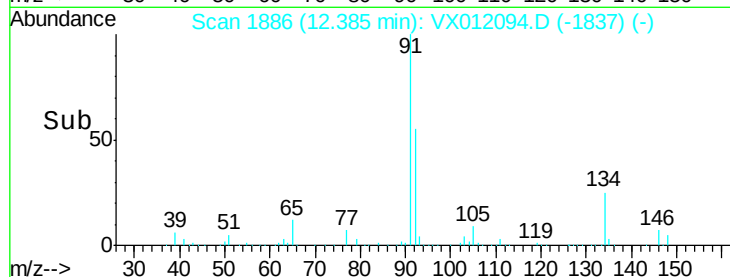
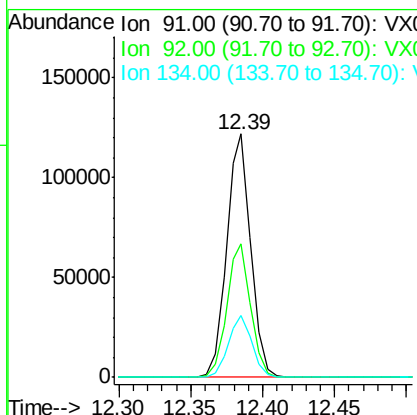
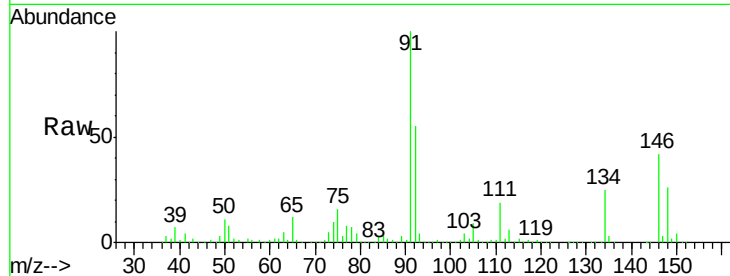
#89
n-Butylbenzene
Concen: 20.074 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	143165		
92	54.1	27.6	82.8	
134	25.1	15.4	46.1	

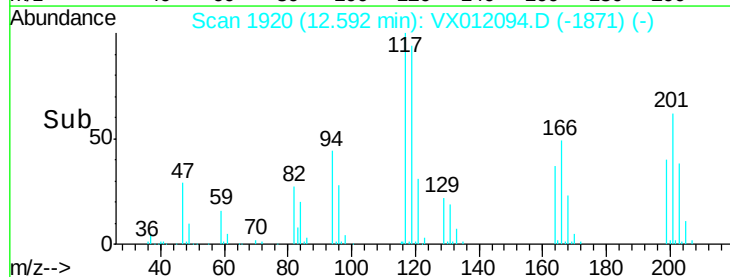
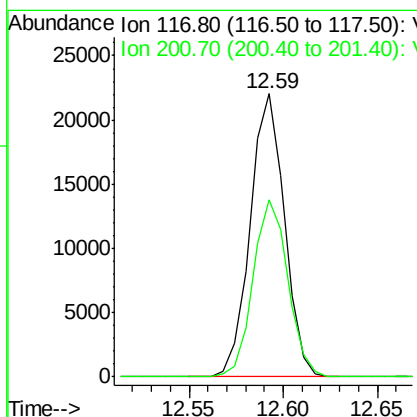
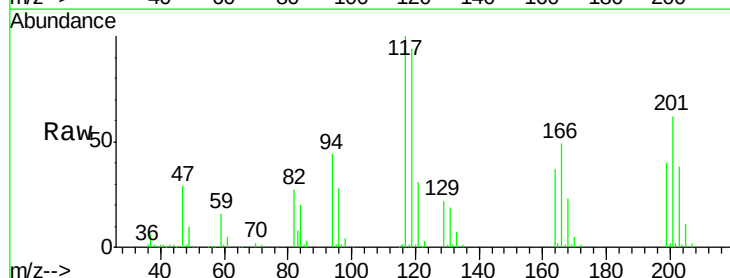
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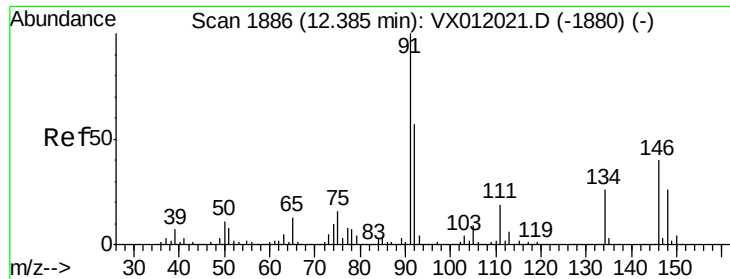
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#90
Hexachloroethane
Concen: 18.882 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012094.D
Acq: 05 Sep 2019 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	27678		
201	63.7	55.0	165.2	





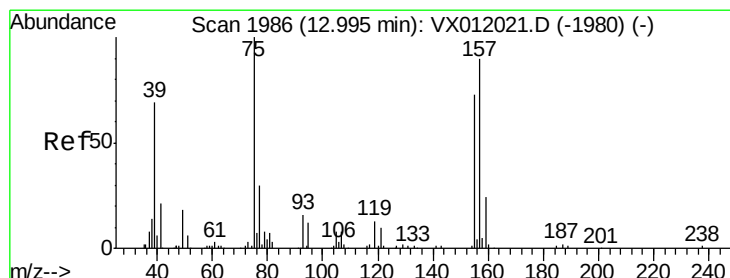
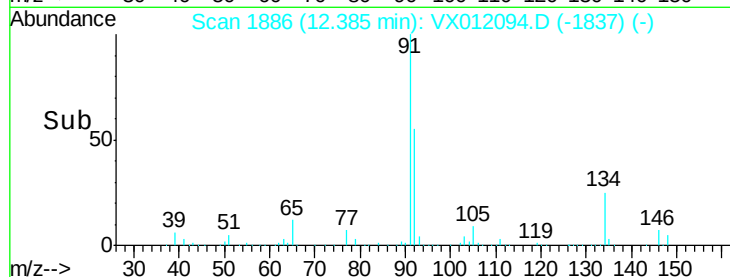
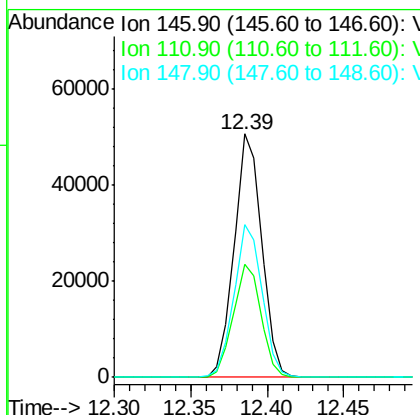
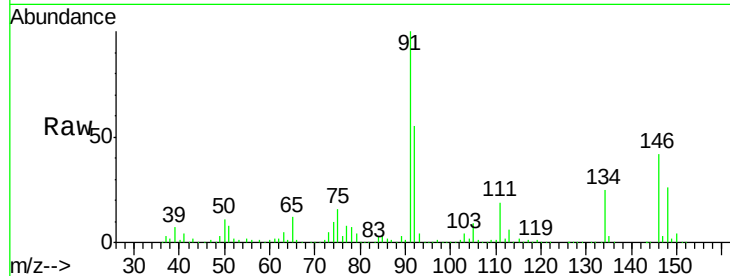
#91
 1,2-Dichlorobenzene
 Concen: 20.219 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.7	18.6	56.0
148	63.6	32.4	97.2

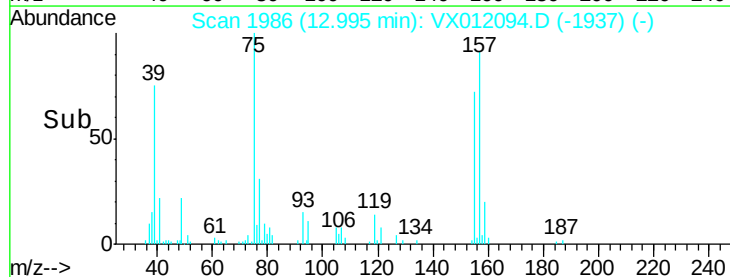
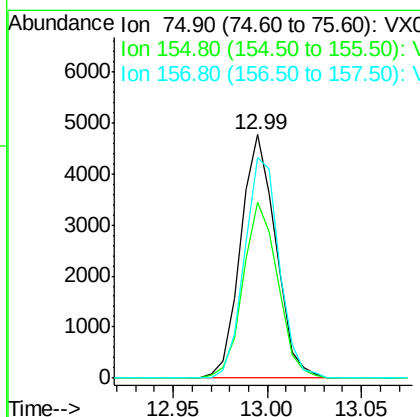
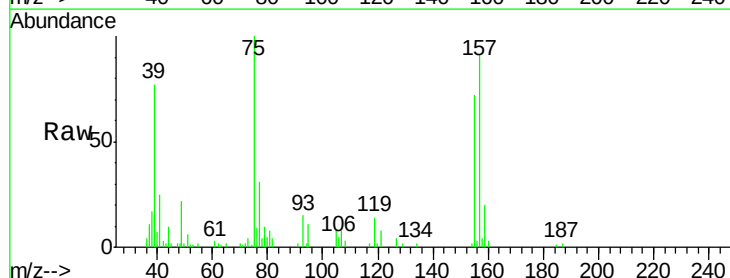
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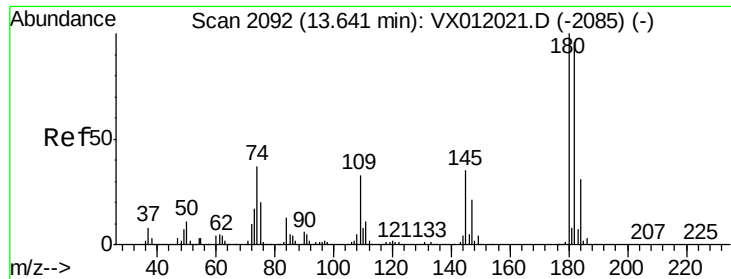
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 9/6/2019 3:47:11 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.144 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.5	51.7	155.2
157	89.3	66.9	200.7





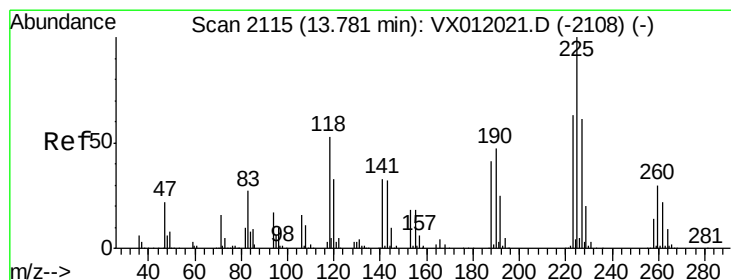
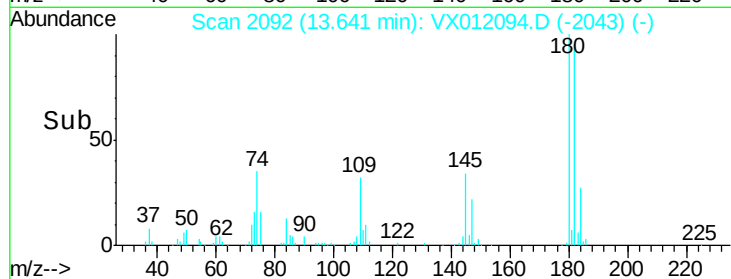
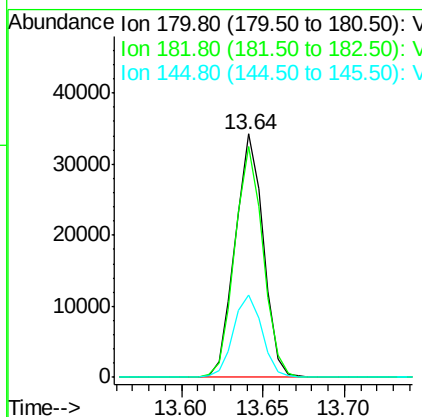
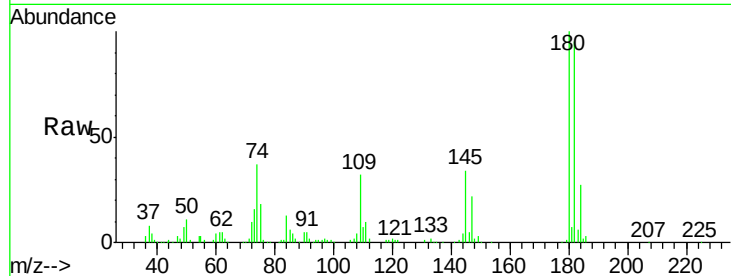
#93
 1,2,4-Trichlorobenzene
 Concen: 18.413 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	41161		
182	95.1	47.3	142.0	
145	34.5	13.7	41.0	

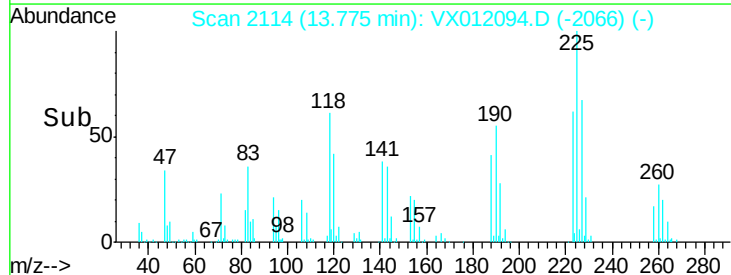
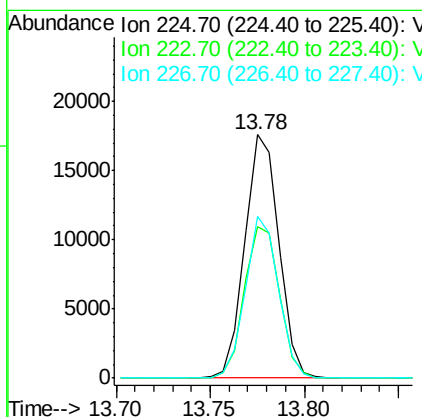
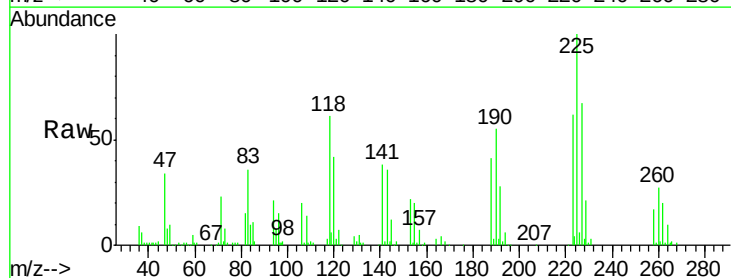
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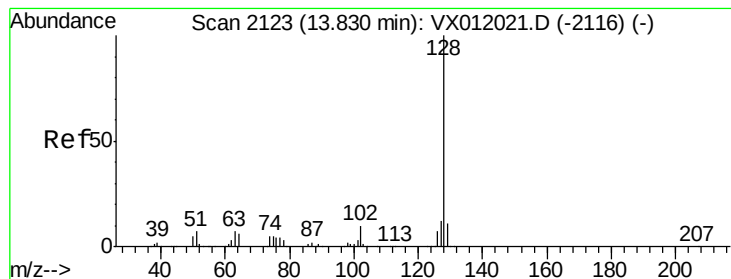
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#94
 Hexachlorobutadiene
 Concen: 19.552 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012094.D
 Acq: 05 Sep 2019 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	22032		
223	64.2	31.6	95.0	
227	64.6	32.5	97.5	





#95

Naphthalene

Concen: 17.442 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Instrument :

MSVOA_X

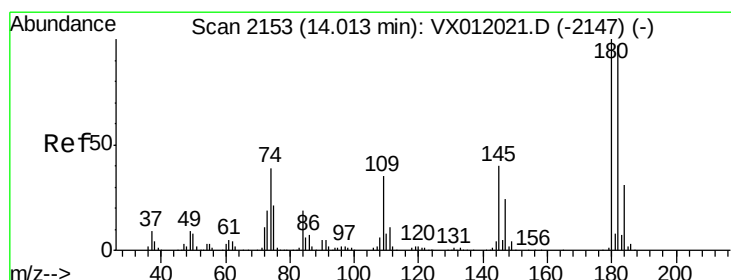
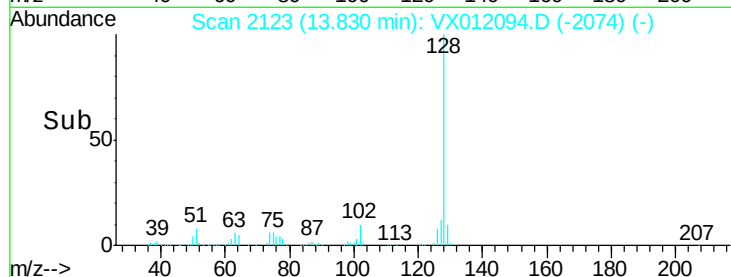
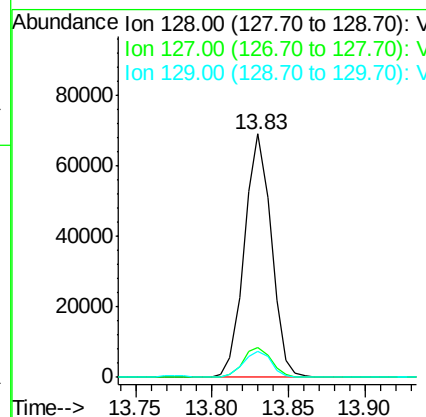
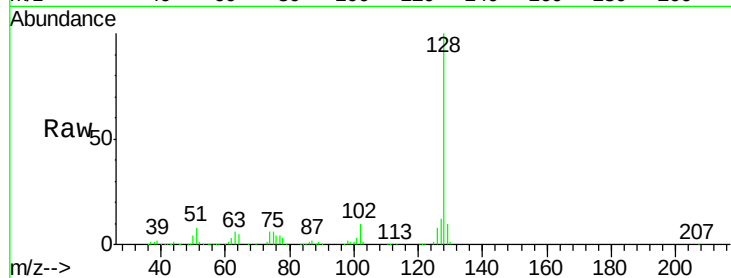
ClientSampleId :

VX0905SBS01

Tot Ion:	128	Resp:	84387
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.5	15.7
129	11.2	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/6/2019 3:47:11 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.921 ug/l

RT: 14.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VX012094.D

Acq: 05 Sep 2019 12:04

Tgt Ion:	180	Resp:	35243
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.9	143.6
145	38.2	14.1	42.4

