

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050719\
 Data File : VX009375.D
 Acq On : 07 May 2019 13:45
 Operator : JC/SP
 Sample : VX0507WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0507WBS02

Manual Integrations
 APPROVED

MMDadoda
 5/8/2019 10:10:40 AM

Quant Time: May 08 02:31:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 08:24:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	175353	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	270608	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	245691	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	122624	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	120496	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
35) Dibromofluoromethane	5.49	113	90647	53.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.58%	
50) Toluene-d8	8.71	98	369361	53.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.56%	
62) 4-Bromofluorobenzene	11.13	95	135030	54.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	28602	17.700	ug/l	100
3) Chloromethane	1.32	50	38680	17.533	ug/l	99
4) Vinyl Chloride	1.40	62	38348	17.826	ug/l	100
5) Bromomethane	1.64	94	23378	18.106	ug/l	97
6) Chloroethane	1.72	64	25777	18.663	ug/l	98
7) Trichlorofluoromethane	1.93	101	49176	18.806	ug/l	99
8) Diethyl Ether	2.18	74	22779	18.390	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	31866	19.405	ug/l	98
10) Methyl Iodide	2.51	142	29958	18.853	ug/l	99
11) Tert butyl alcohol	3.04	59	50154	90.514	ug/l	99
12) 1,1-Dichloroethene	2.37	96	30485	18.528	ug/l	96
13) Acrolein	2.29	56	34414	68.580	ug/l	100
14) Allyl chloride	2.73	41	71352	17.795	ug/l	98
15) Acrylonitrile	3.14	53	124245	91.706	ug/l	99
16) Acetone	2.44	43	122506	95.308	ug/l	99
17) Carbon Disulfide	2.57	76	77110	16.693	ug/l	99
18) Methyl Acetate	2.77	43	55838	18.266	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	119890	18.765	ug/l	98
20) Methylene Chloride	2.85	84	36957	17.758	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	31602	17.711	ug/l	98
22) Diisopropyl ether	3.85	45	144882	18.789	ug/l	96
23) Vinyl Acetate	3.81	43	625579	94.741	ug/l	100
24) 1,1-Dichloroethane	3.70	63	69381	18.239	ug/l	99
25) 2-Butanone	4.67	43	190489	95.368	ug/l	99
26) 2,2-Dichloropropane	4.58	77	53057	18.739	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	39537	18.564	ug/l	99
28) Bromochloromethane	5.01	49	31917	19.152	ug/l	99
29) Tetrahydrofuran	5.13	42	121830	94.785	ug/l	99
30) Chloroform	5.21	83	64404	18.720	ug/l	99
31) Cyclohexane	5.57	56	65507	18.510	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	52894	18.469	ug/l	99
36) 1,1-Dichloropropene	5.80	75	47720	18.976	ug/l	100
37) Ethyl Acetate	4.83	43	67137	19.161	ug/l	99
38) Carbon Tetrachloride	5.78	117	43784	19.163	ug/l	97

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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	60040	19.440	ug/l	98
40) Benzene	6.14	78	149756	19.242	ug/l	100
41) Methacrylonitrile	5.04	41	38502	18.460	ug/l	95
42) 1,2-Dichloroethane	6.19	62	54539	19.535	ug/l	100
43) Isopropyl Acetate	6.45	43	107655	19.208	ug/l	100
44) Trichloroethene	7.21	130	35923	19.093	ug/l	93
45) 1,2-Dichloropropane	7.51	63	42810	19.426	ug/l	100
46) Dibromomethane	7.66	93	24322	19.005	ug/l	99
47) Bromodichloromethane	7.90	83	49249	19.292	ug/l	99
48) Methyl methacrylate	7.77	41	55253	19.871	ug/l	98
49) 1,4-Dioxane	7.74	88	21709	384.981	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	361788	98.760	ug/l	100
52) Toluene	8.78	92	92227	19.494	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	54842	19.028	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	61475	19.271	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	38263	19.824	ug/l	95
56) Ethyl methacrylate	9.18	69	67446	19.576	ug/l	99
57) 1,3-Dichloropropane	9.37	76	65931	19.411	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	174238	95.329	ug/l	99
59) 2-Hexanone	9.49	43	284202	98.781	ug/l	98
60) Dibromochloromethane	9.58	129	36395	19.307	ug/l	98
61) 1,2-Dibromoethane	9.67	107	38532	19.777	ug/l	100
64) Tetrachloroethene	9.34	164	33190	19.693	ug/l	98
65) Chlorobenzene	10.13	112	97495	19.837	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	34434	19.325	ug/l	99
67) Ethyl Benzene	10.25	91	176712	19.536	ug/l	98
68) m/p-Xylenes	10.36	106	130976	39.624	ug/l	100
69) o-Xylene	10.69	106	63232	19.388	ug/l	98
70) Styrene	10.71	104	110859	19.557	ug/l	99
71) Bromoform	10.85	173	27566	19.037	ug/l #	98
73) Isopropylbenzene	11.02	105	173449	19.451	ug/l	99
74) N-amyl acetate	10.90	43	98123	18.874	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	63306	19.044	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	54030m	18.995	ug/l	
77) Bromobenzene	11.26	156	42517	19.210	ug/l	99
78) n-propylbenzene	11.36	91	198508	19.493	ug/l	99
79) 2-Chlorotoluene	11.42	91	119240	18.979	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	148725	19.808	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	19901	17.901	ug/l	94
82) 4-Chlorotoluene	11.51	91	136463	19.226	ug/l	100
83) tert-Butylbenzene	11.77	119	141189	19.331	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	148411	19.693	ug/l	100
85) sec-Butylbenzene	11.94	105	169571	19.582	ug/l	100
86) p-Isopropyltoluene	12.06	119	155239	19.941	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	76895	19.489	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	76236	19.165	ug/l	98
89) n-Butylbenzene	12.38	91	139909	19.884	ug/l	100
90) Hexachloroethane	12.60	117	24960	18.820	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	77489	19.282	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14192	19.032	ug/l	99

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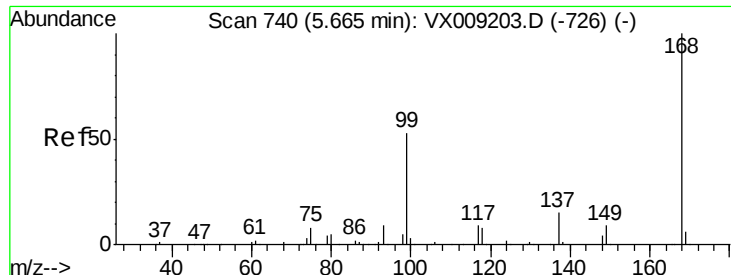
Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
QLast Update : Tue May 07 08:24:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	56465	20.547	ug/l	98
94) Hexachlorobutadiene	13.78	225	28827	20.541	ug/l	98
95) Naphthalene	13.83	128	182692	20.434	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	58875	21.135	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009375.D

Acq: 07 May 2019 13:45

Instrument :

MSVOA_X

ClientSampleId :

VX0507WBS02

Tot Ion:168 Resp: 175353

Ion Ratio Lower Upper

168 100

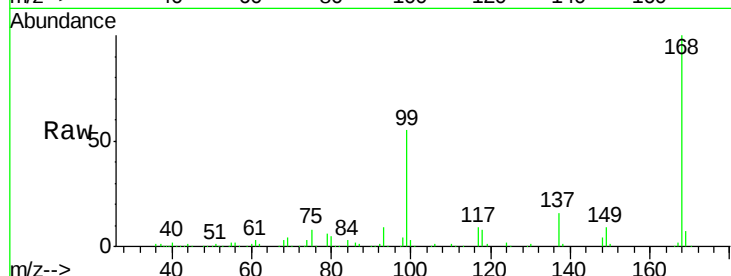
99 54.8 42.3 63.5

Manual Integrations

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5/8/2019 10:10:40 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

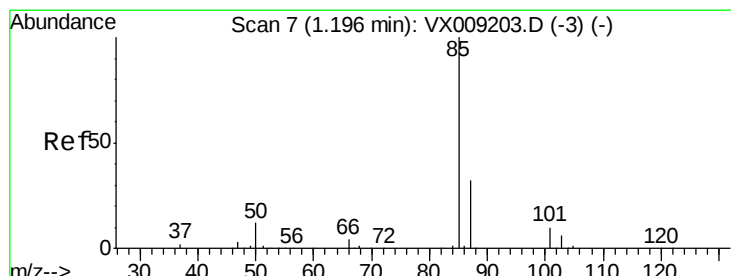
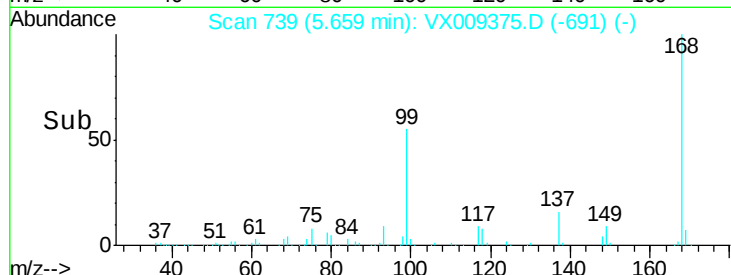
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 17.700 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009375.D

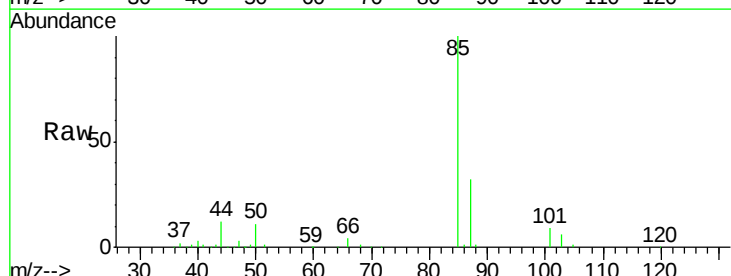
Acq: 07 May 2019 13:45

Tgt Ion: 85 Resp: 28602

Ion Ratio Lower Upper

85 100

87 32.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

30000

25000

20000

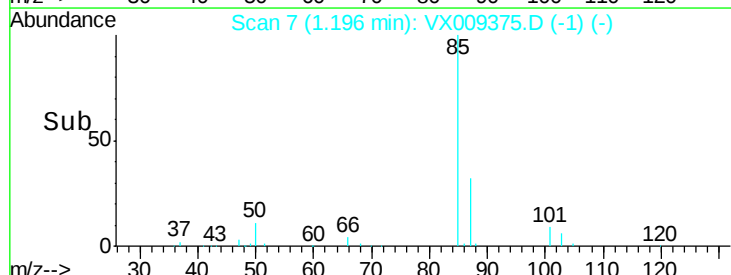
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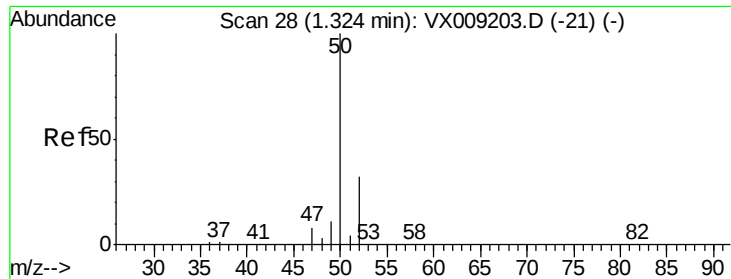
10000

5000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 17.533 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009375.D

Acq: 07 May 2019 13:45

Instrument :

MSVOA_X

ClientSampled :

VX0507WBS02

Tot Ion: 50 Resp: 38680

Ion Ratio Lower Upper

50 100

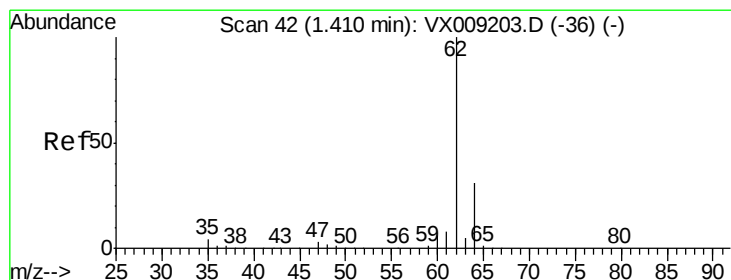
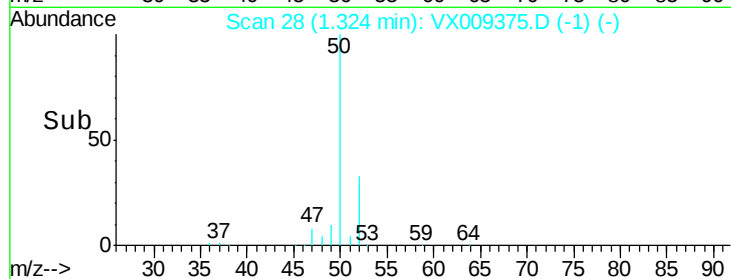
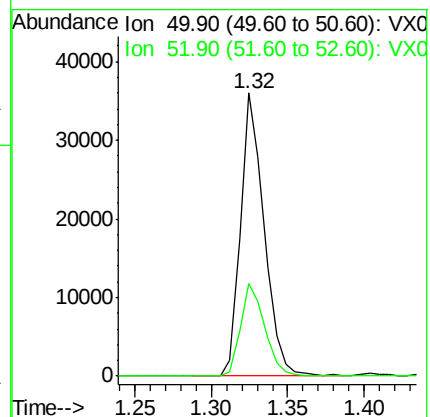
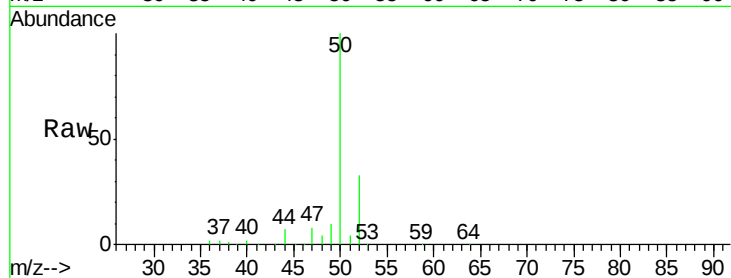
52 32.9 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.826 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009375.D

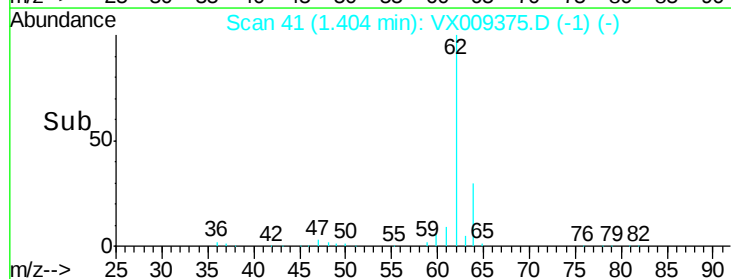
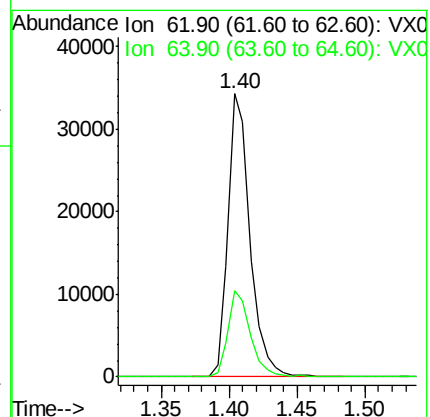
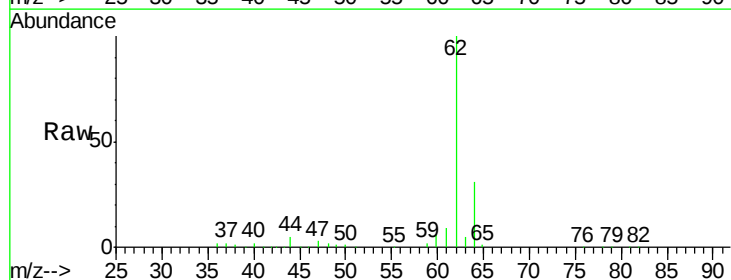
Acq: 07 May 2019 13:45

Tgt Ion: 62 Resp: 38348

Ion Ratio Lower Upper

62 100

64 30.4 24.6 36.8





#5

Bromomethane

Concen: 18.106 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009375.D

Acq: 07 May 2019 13:45

Instrument :

MSVOA_X

ClientSampleId :

VX0507WBS02

Tot Ion: 94 Resp: 23378

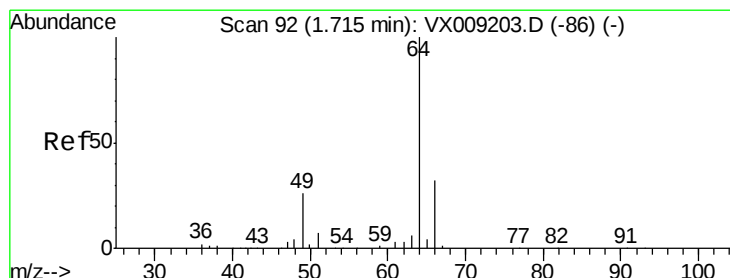
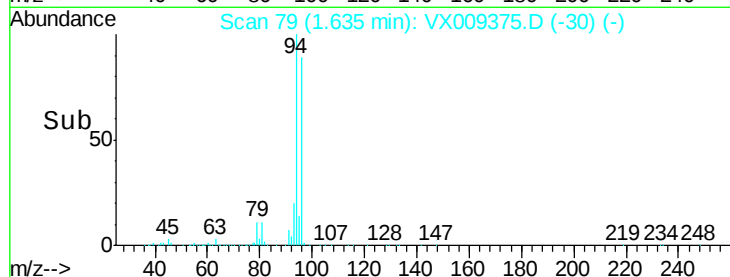
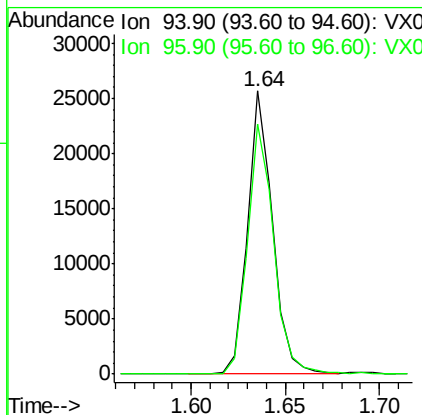
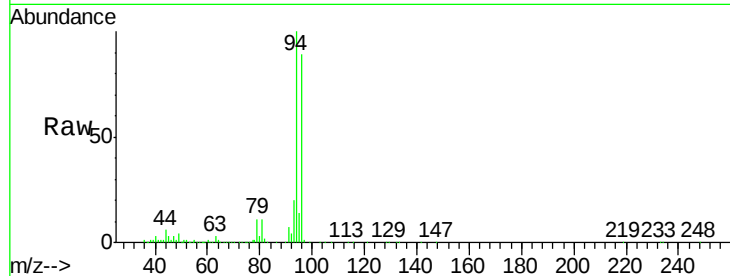
Ion Ratio Lower Upper

94 100

96 88.8 73.0 109.6

Manual Integrations
APPROVED

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5/8/2019 10:10:40 AM



#6

Chloroethane

Concen: 18.663 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009375.D

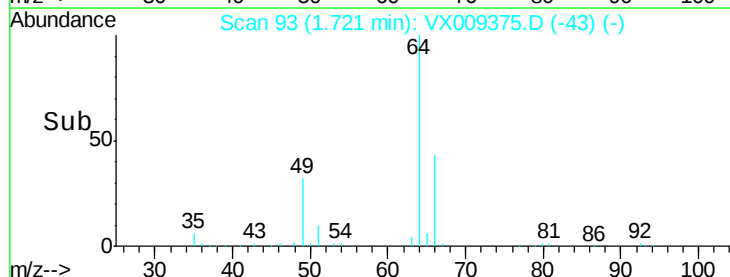
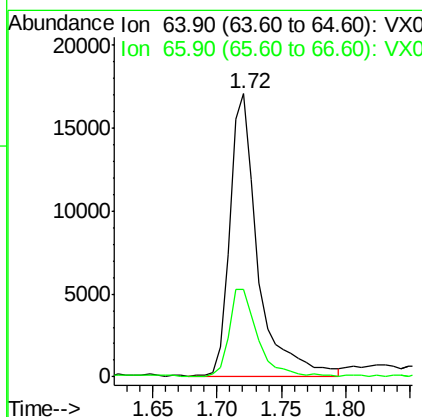
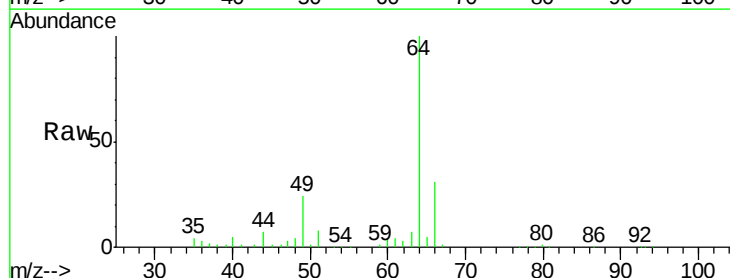
Acq: 07 May 2019 13:45

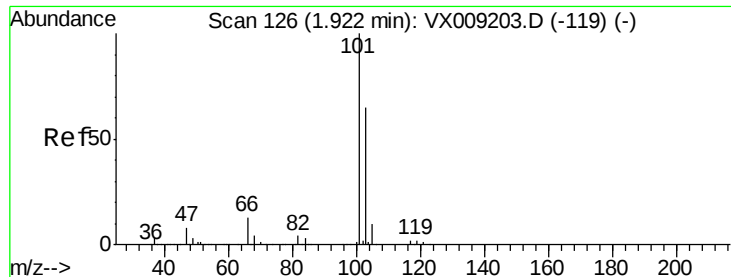
Tgt Ion: 64 Resp: 25777

Ion Ratio Lower Upper

64 100

66 30.6 25.3 37.9





#7

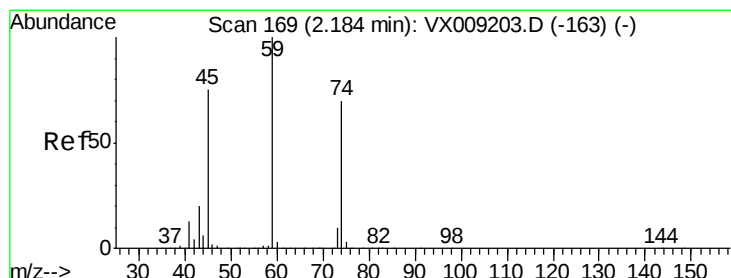
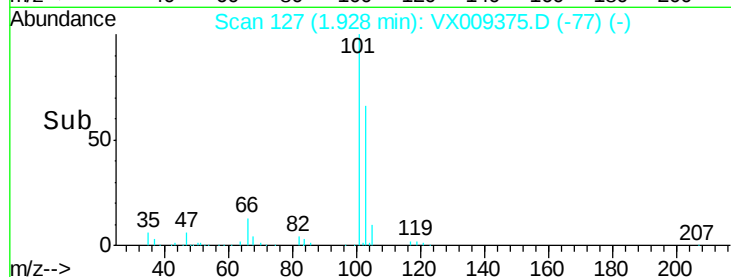
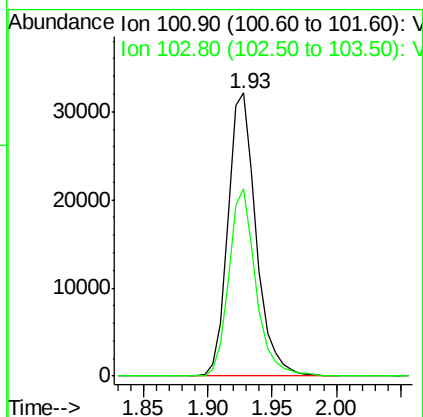
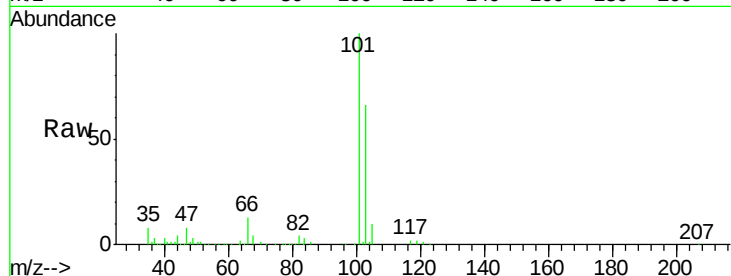
Trichlorofluoromethane
Concen: 18.806 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX009375.D
Acq: 07 May 2019 13:45

Instrument :
MSVOA_X
ClientSampleId :
VX0507WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.4	52.4	78.6

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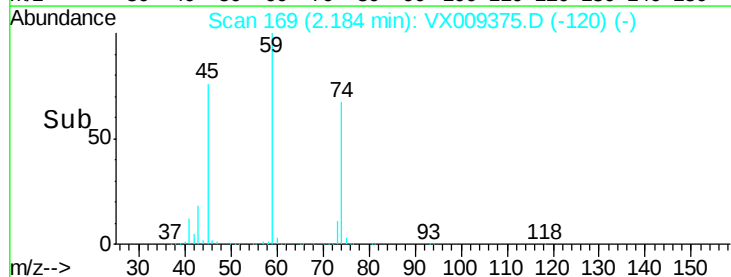
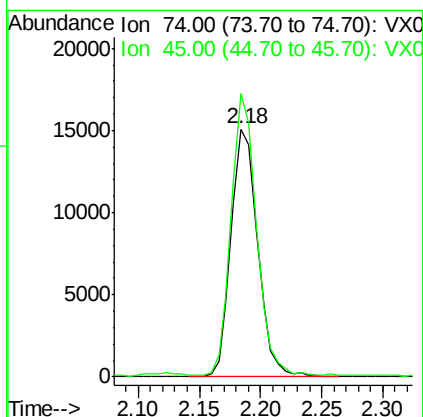
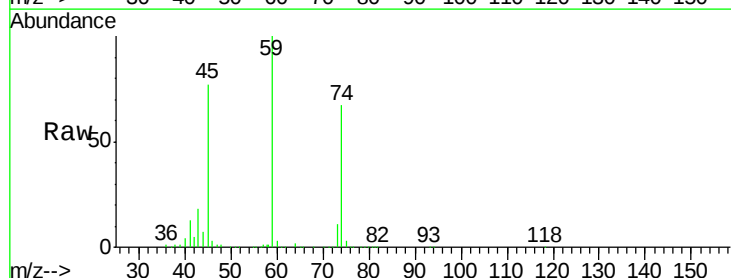
MMDadoda
5/8/2019 10:10:40 AM



#8

Diethyl Ether
Concen: 18.390 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX009375.D
Acq: 07 May 2019 13:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.6	53.3	159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.405 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009375.D

Acq: 07 May 2019 13:45

Instrument :

MSVOA_X

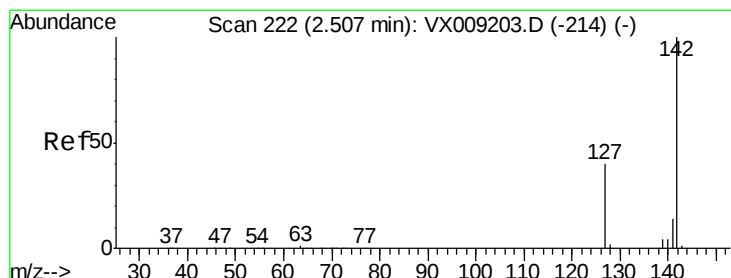
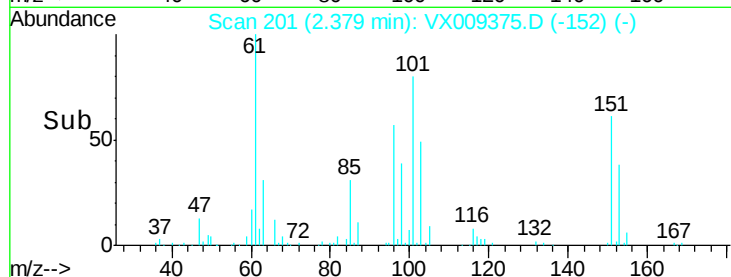
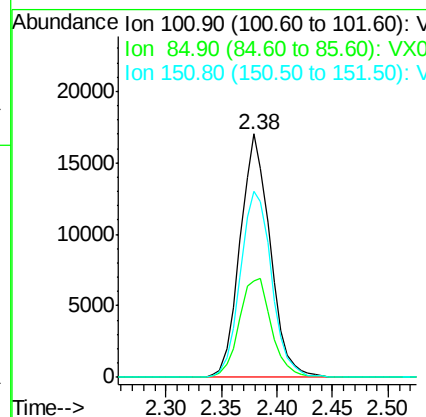
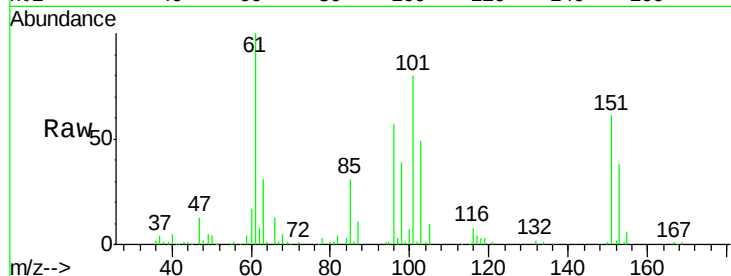
ClientSampled :

VX0507WBS02

Tot Ion:	101	Resp:	31866
Ion Ratio	Lower	Upper	
101	100		
85	43.5	35.7	53.5
151	79.4	62.2	93.2

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#10

Methyl Iodide

Concen: 18.853 ug/l

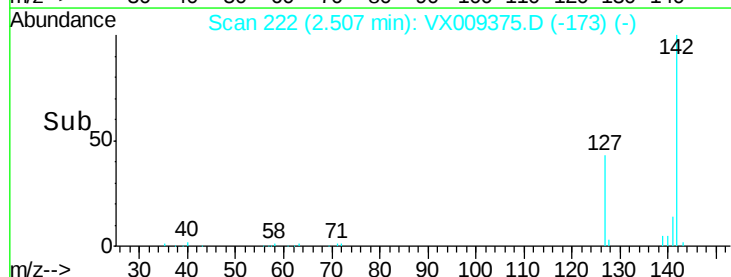
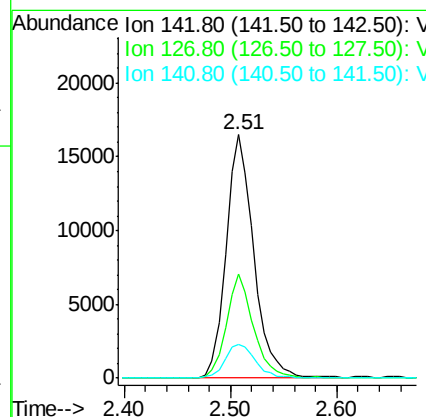
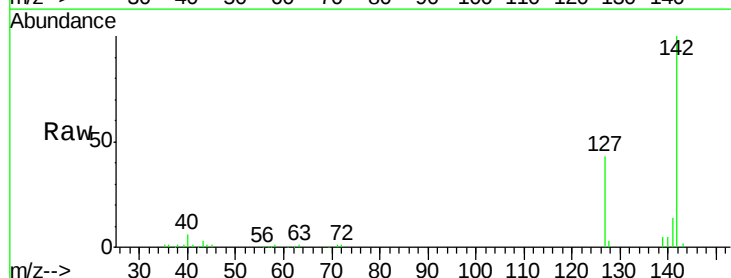
RT: 2.51 min Scan# 222

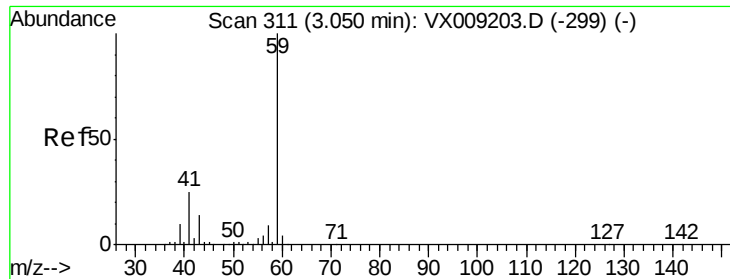
Delta R.T. 0.00 min

Lab File: VX009375.D

Acq: 07 May 2019 13:45

Tgt Ion:	142	Resp:	29958
Ion Ratio	Lower	Upper	
142	100		
127	41.4	32.7	49.1
141	15.1	11.5	17.3





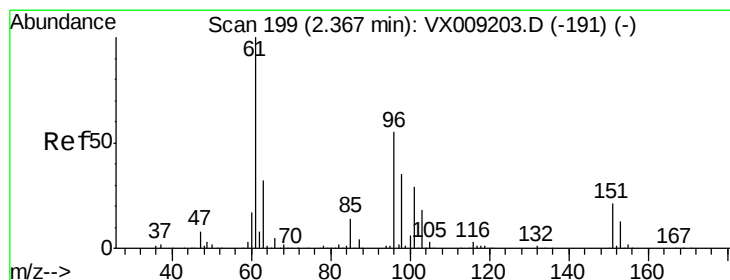
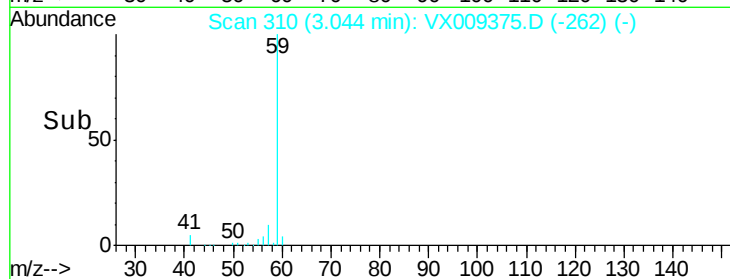
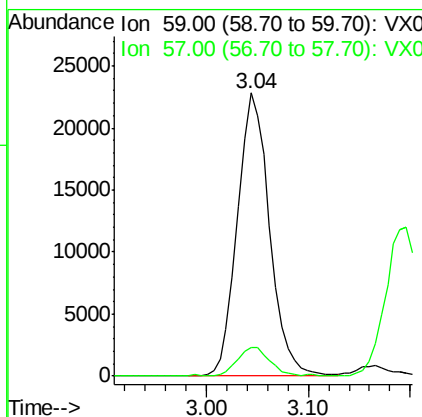
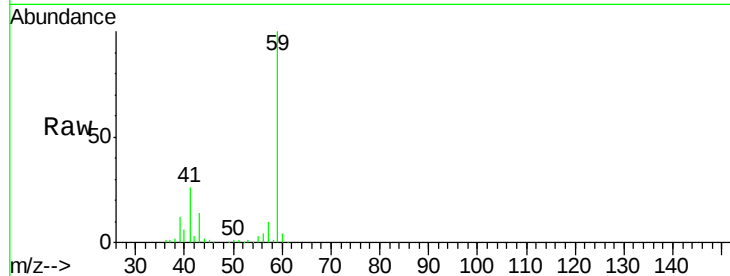
#11
Tert butyl alcohol
Concen: 90.514 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX009375.D
Acq: 07 May 2019 13:45

Instrument :
MSVOA_X
ClientSampled :
VX0507WBS02

Tot Ion: 59 Resp: 50154
Ion Ratio Lower Upper
59 100
57 10.6 8.2 12.2

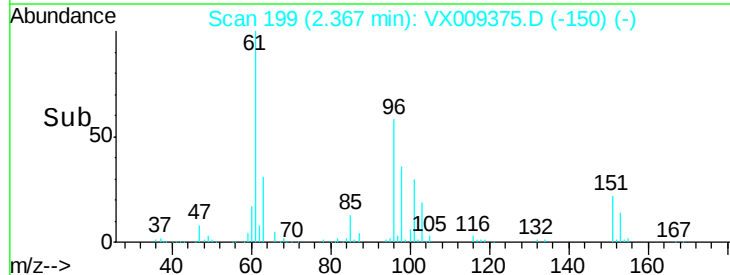
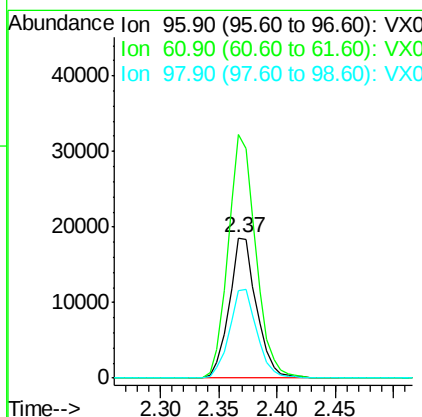
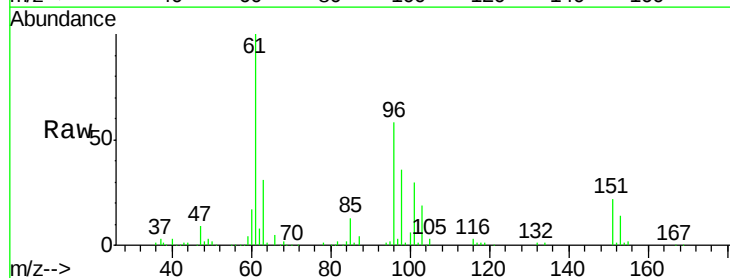
Manual Integrations
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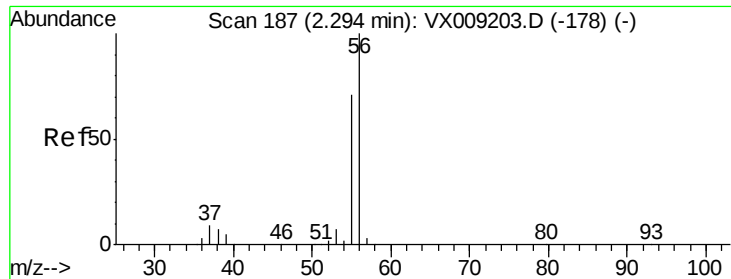
MMDadoda
5/8/2019 10:10:40 AM



#12
1,1-Dichloroethene
Concen: 18.528 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.00 min
Lab File: VX009375.D
Acq: 07 May 2019 13:45

Tgt Ion: 96 Resp: 30485
Ion Ratio Lower Upper
96 100
61 173.3 144.3 216.5
98 61.8 50.3 75.5





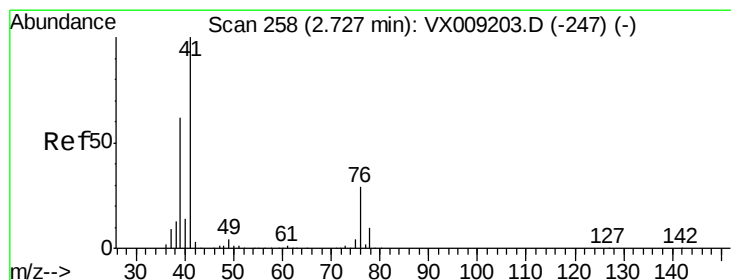
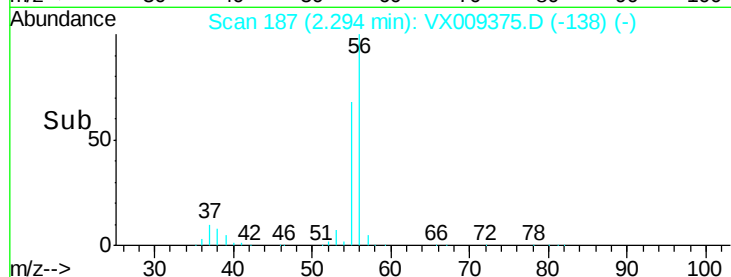
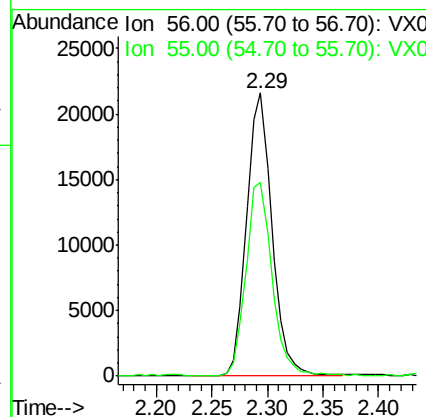
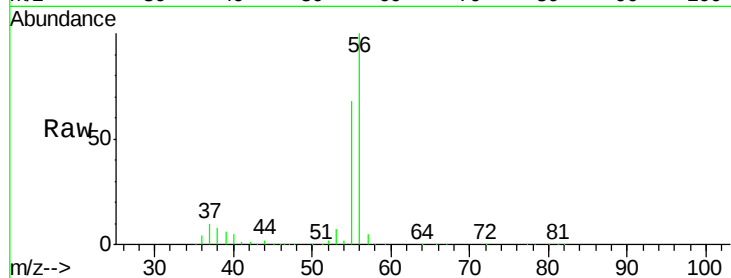
#13
Acrolein
Concen: 68.580 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX009375.D
Acq: 07 May 2019 13:45

Instrument :
MSVOA_X
ClientSampled :
VX0507WBS02

Tot Ion	56	Resp	34414
Ion Ratio	100	Lower	Upper
55	71.0	56.6	85.0

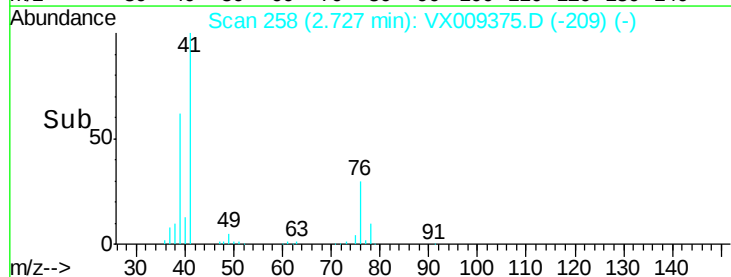
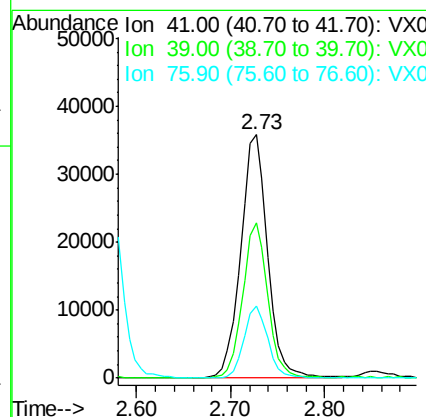
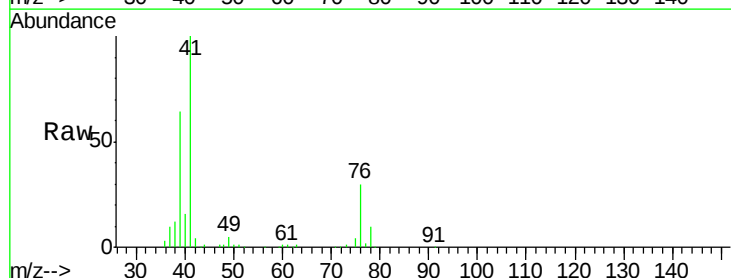
Manual Integrations
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5/8/2019 10:10:40 AM



#14
Allyl chloride
Concen: 17.795 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX009375.D
Acq: 07 May 2019 13:45

Tgt Ion	41	Resp	71352
Ion Ratio	100	Lower	Upper
39	59.5	46.7	70.1
76	26.5	21.8	32.8





#15

Acrylonitrile

Concen: 91.706 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009375.D

Acq: 07 May 2019 13:45

Instrument :

MSVOA_X

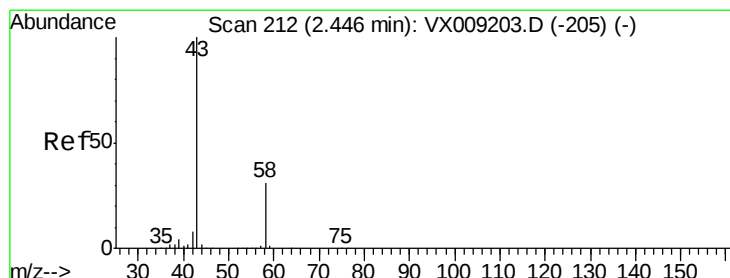
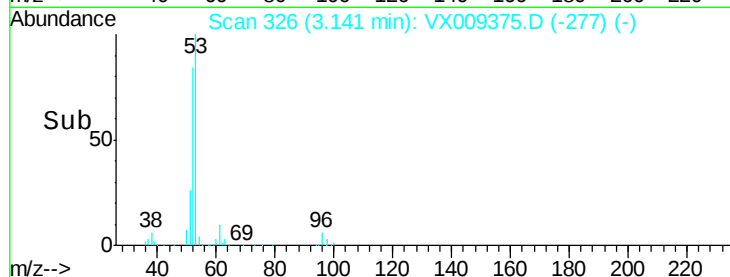
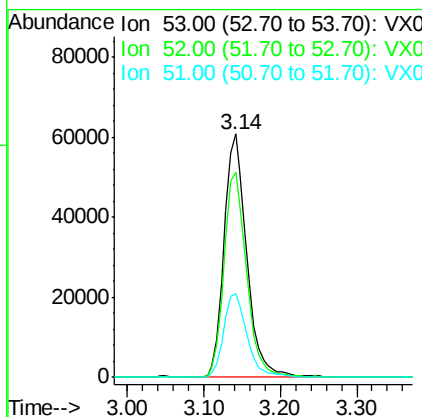
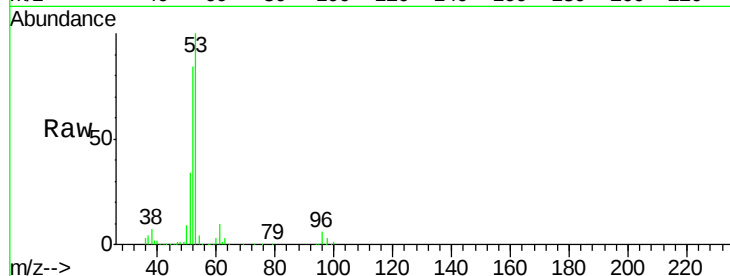
ClientSampled :

VX0507WBS02

Tot Ion:	53	Resp:	124245
Ion Ratio	Lower	Upper	
53	100		
52	84.2	66.9	100.3
51	36.1	28.2	42.2

Manual Integrations
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5/8/2019 10:10:40 AM



#16

Acetone

Concen: 95.308 ug/l

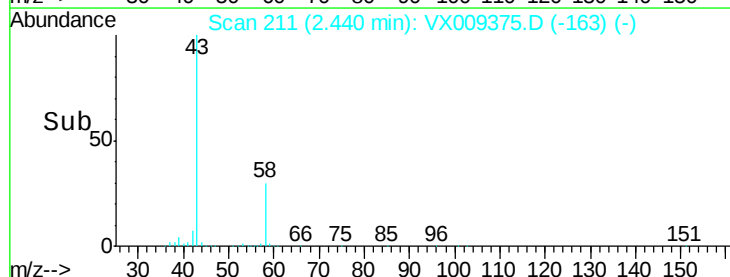
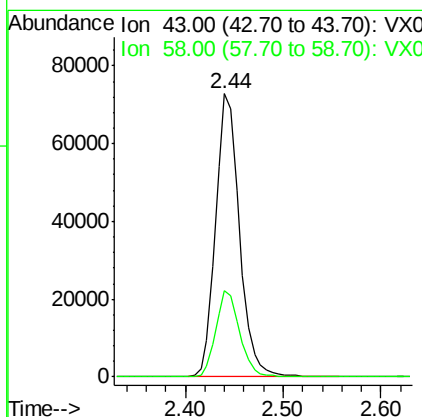
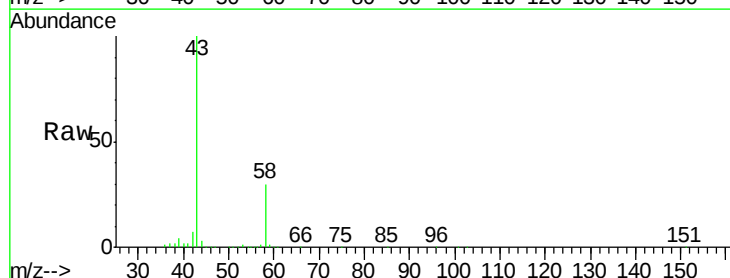
RT: 2.44 min Scan# 211

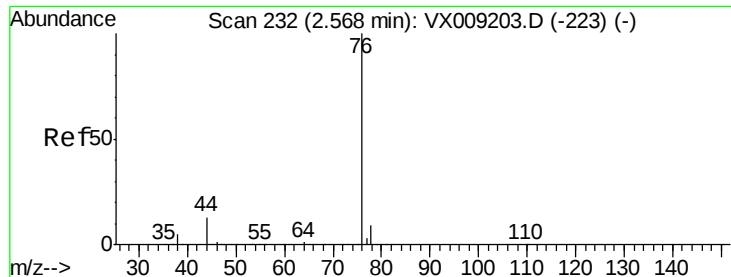
Delta R.T. -0.01 min

Lab File: VX009375.D

Acq: 07 May 2019 13:45

Tgt Ion:	43	Resp:	122506
Ion Ratio	Lower	Upper	
43	100		
58	30.4	24.9	37.3





#17

Carbon Disulfide

Concen: 16.693 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009375.D

Acq: 07 May 2019 13:45

Instrument :

MSVOA_X

ClientSampleId :

VX0507WBS02

Tot Ion: 76 Resp: 77110

Ion Ratio Lower Upper

76 100

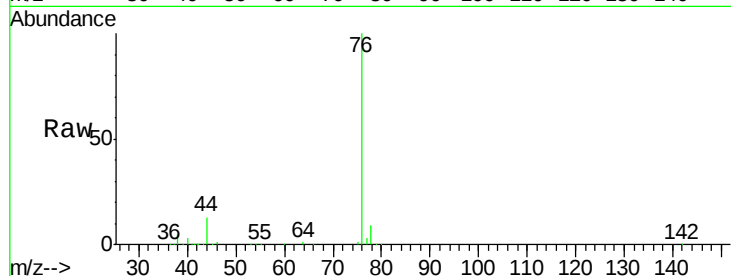
78 9.4 7.4 11.0

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

2.57

50000

40000

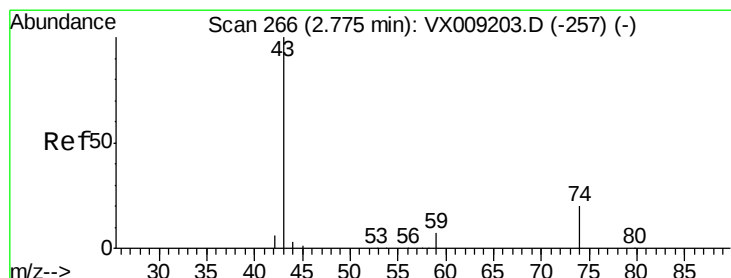
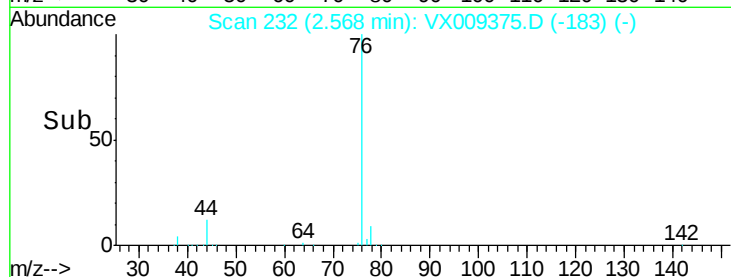
30000

20000

10000

0

Time-->



#18

Methyl Acetate

Concen: 18.266 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX009375.D

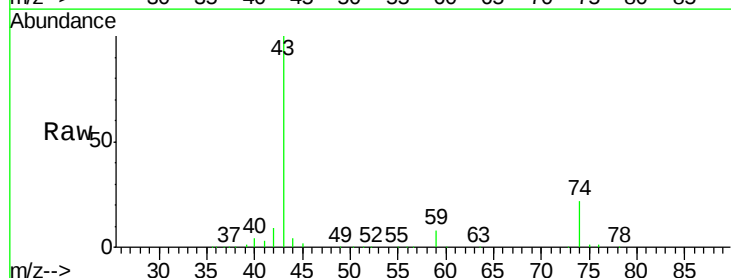
Acq: 07 May 2019 13:45

Tgt Ion: 43 Resp: 55838

Ion Ratio Lower Upper

43 100

74 21.4 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.77

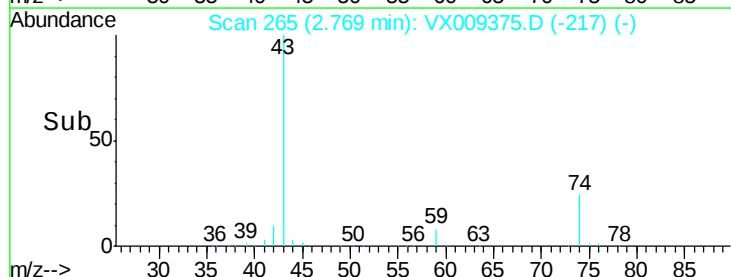
30000

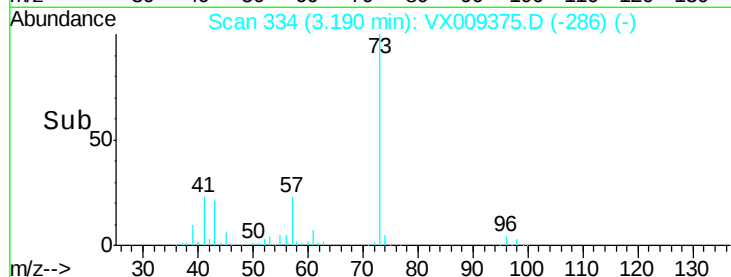
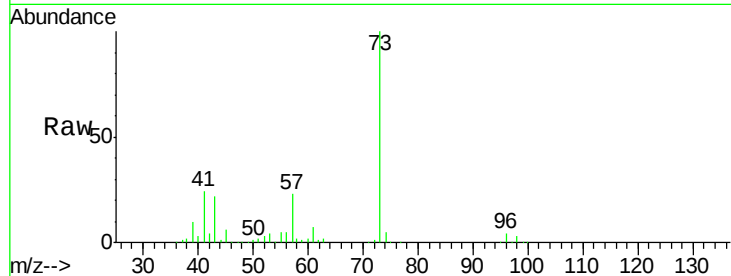
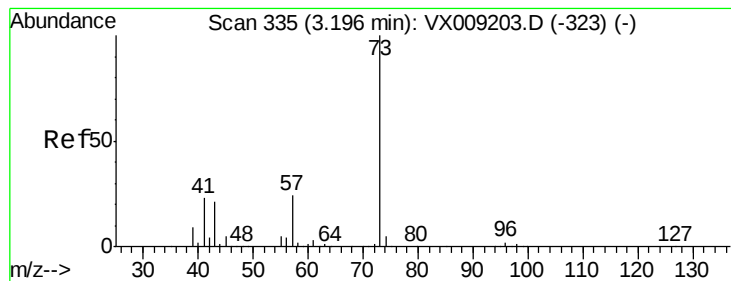
20000

10000

0

Time-->





#19

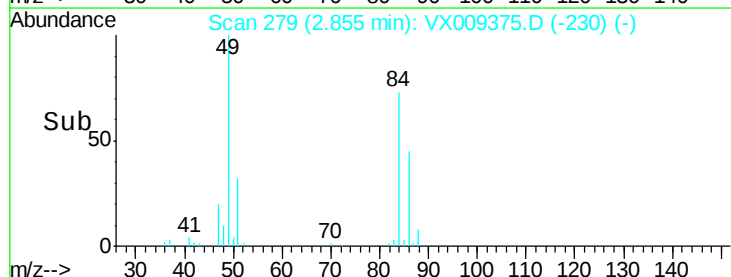
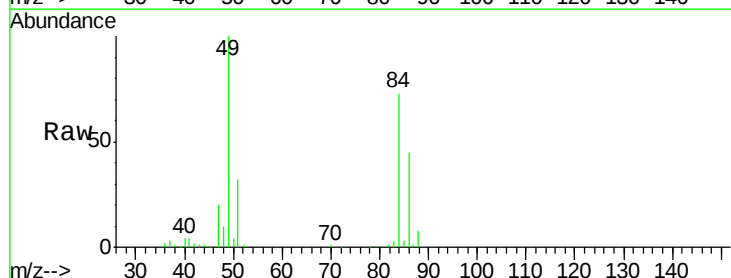
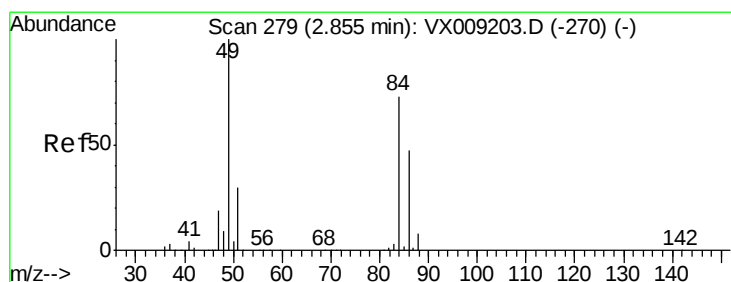
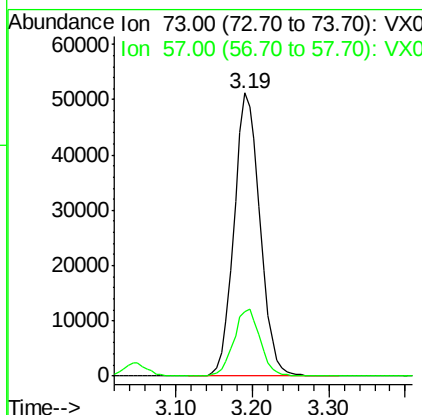
Methyl tert-butyl Ether
Concen: 18.765 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX009375.D
Acq: 07 May 2019 13:45

Tot Ion	73	Resp	119890
Ion Ratio	100	Lower	Upper
73	100	19.3	28.9
57	23.0		

Instrument :
MSVOA_X
ClientSampleId :
VX0507WBS02

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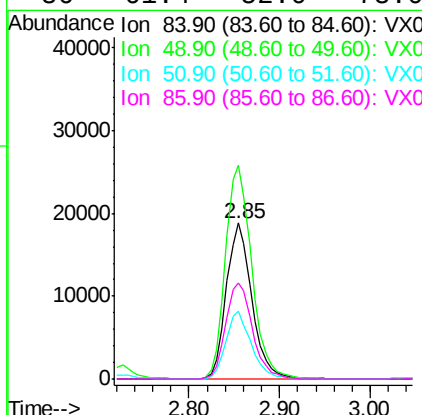
MMDadoda
5/8/2019 10:10:40 AM

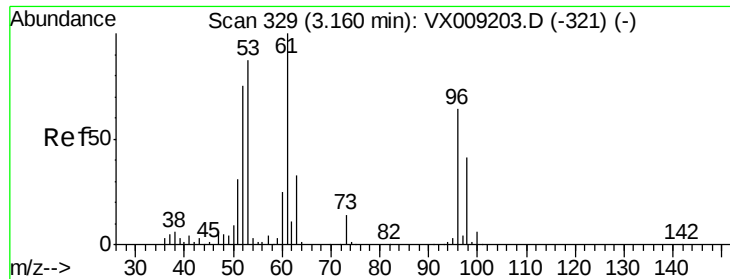


#20

Methylene Chloride
Concen: 17.758 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009375.D
Acq: 07 May 2019 13:45

Tgt Ion	84	Resp	36957
Ion Ratio	100	Lower	Upper
84	100	109.9	164.9
49	136.9	32.7	49.1
51	44.0		
86	61.4	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 17.711 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009375.D

Acq: 07 May 2019 13:45

Instrument :

MSVOA_X

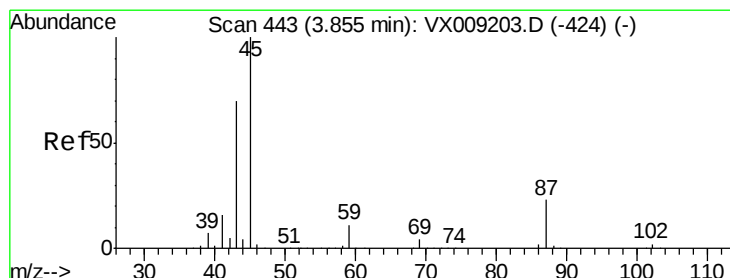
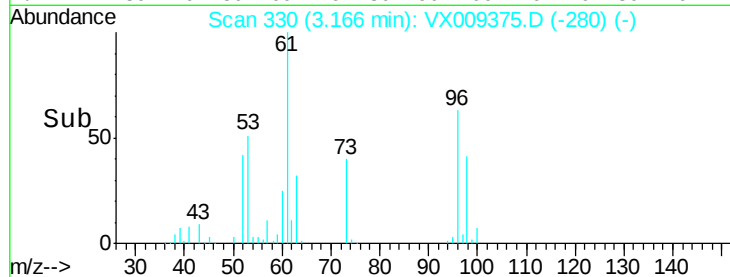
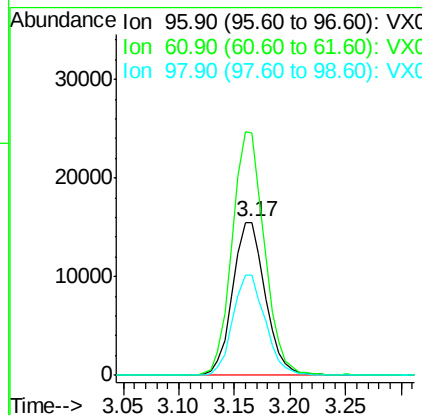
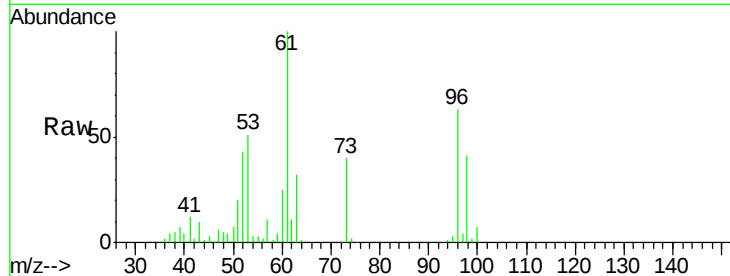
ClientSampleId :

VX0507WBS02

Tot Ion:	96	Resp:	31602
Ion	Ratio	Lower	Upper
96	100		
61	158.3	124.5	186.7
98	65.4	50.4	75.6

Manual Integrations
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5/8/2019 10:10:40 AM



#22

Diisopropyl ether

Concen: 18.789 ug/l

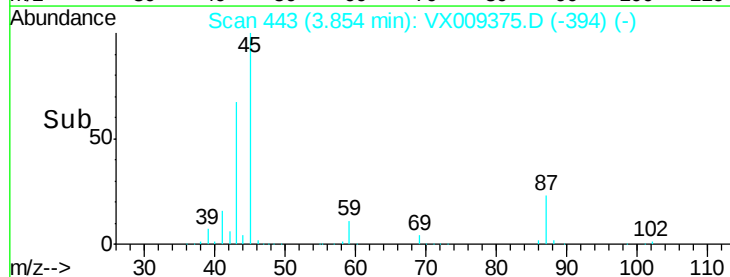
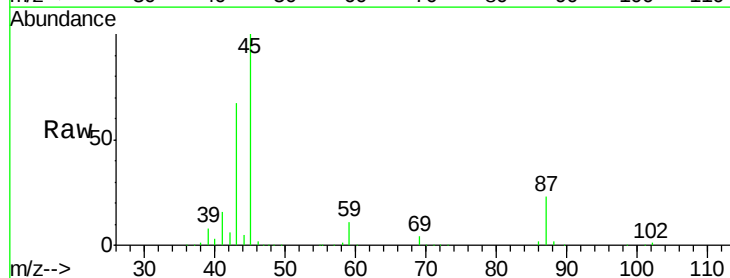
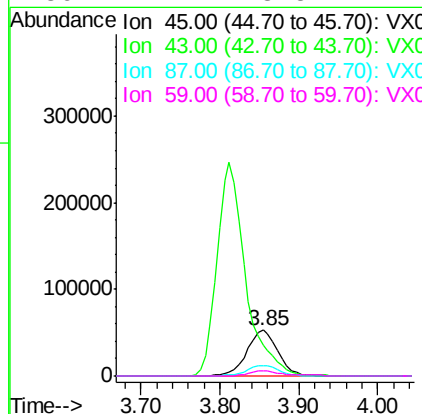
RT: 3.85 min Scan# 443

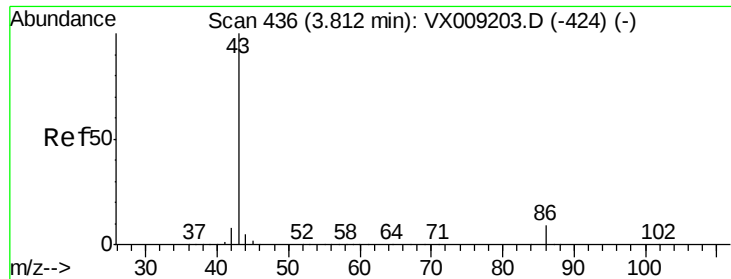
Delta R.T. -0.00 min

Lab File: VX009375.D

Acq: 07 May 2019 13:45

Tgt Ion:	45	Resp:	144882
Ion	Ratio	Lower	Upper
45	100		
43	66.5	56.1	84.1
87	23.5	18.1	27.1
59	11.1	8.5	12.7





#23

Vinyl Acetate

Concen: 94.741 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX009375.D

Acq: 07 May 2019 13:45

Instrument :

MSVOA_X

ClientSampled :

VX0507WBS02

Tot Ion: 43 Resp: 625579

Ion Ratio Lower Upper

43 100

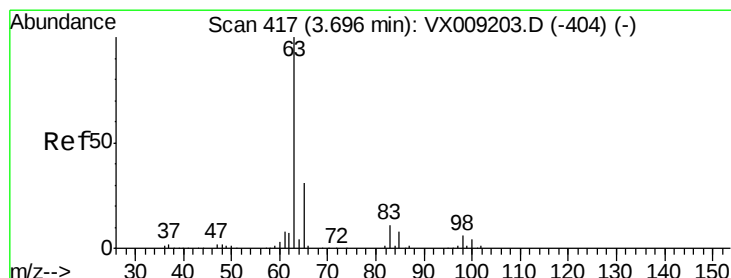
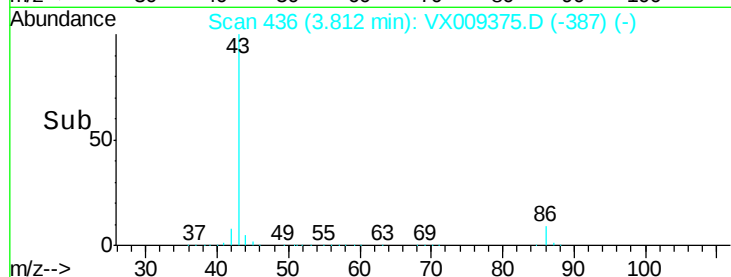
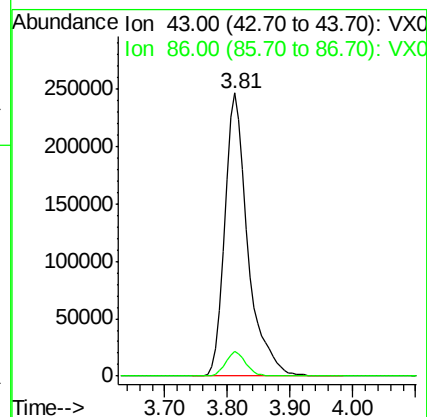
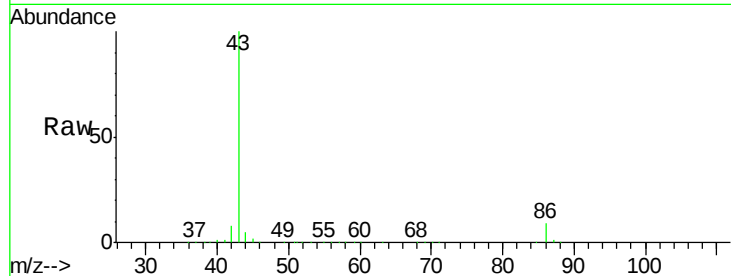
86 8.7 6.9 10.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 18.239 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009375.D

Acq: 07 May 2019 13:45

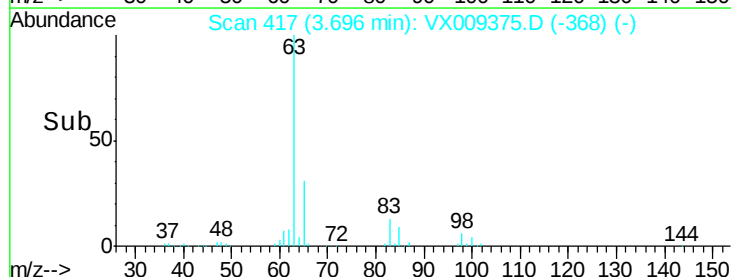
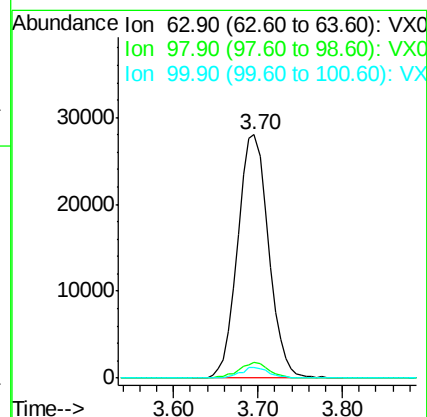
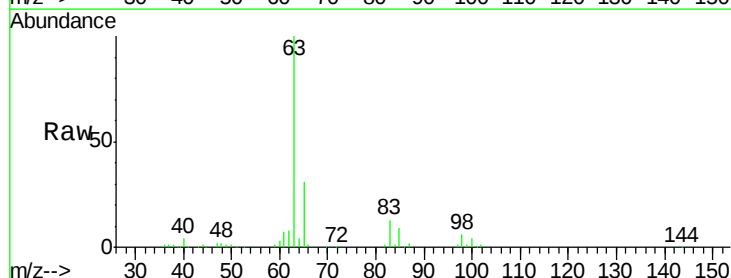
Tgt Ion: 63 Resp: 69381

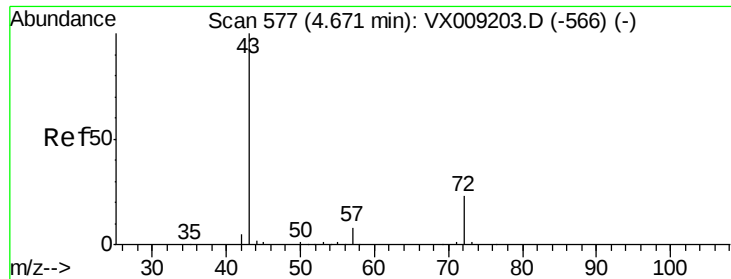
Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.2

100 4.4 2.0 6.0





#25

2-Butanone

Concen: 95.368 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX009375.D

Acq: 07 May 2019 13:45

Instrument :

MSVOA_X

ClientSampleId :

VX0507WBS02

Tot Ion: 43 Resp: 190489

Ion Ratio Lower Upper

43 100

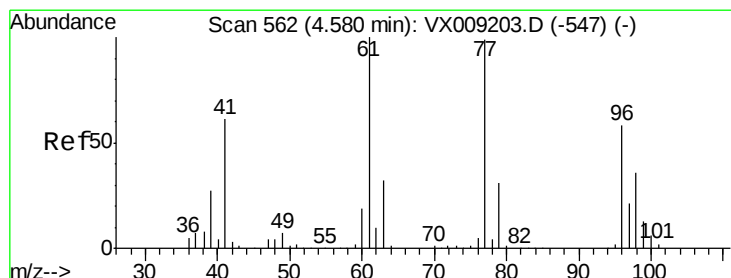
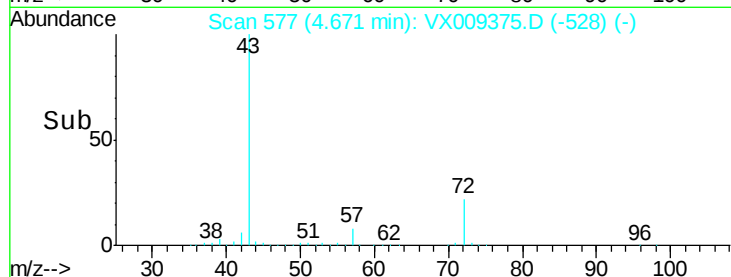
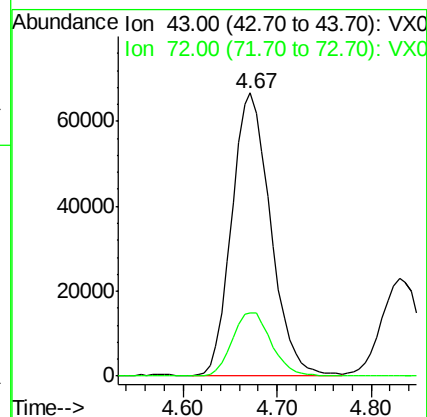
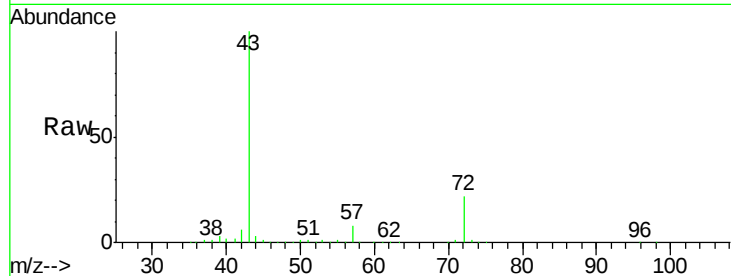
72 22.2 18.2 27.2

Manual Integrations

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5/8/2019 10:10:40 AM



#26

2,2-Dichloropropane

Concen: 18.739 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX009375.D

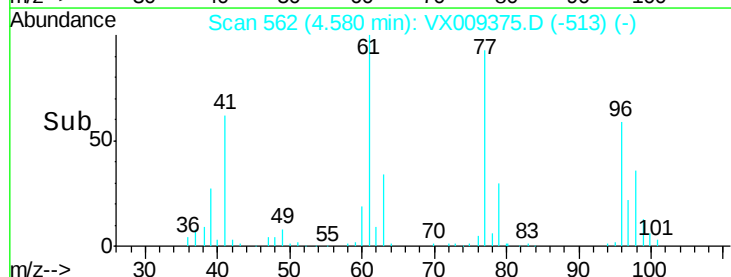
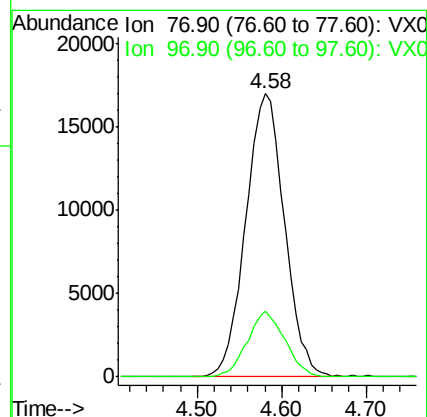
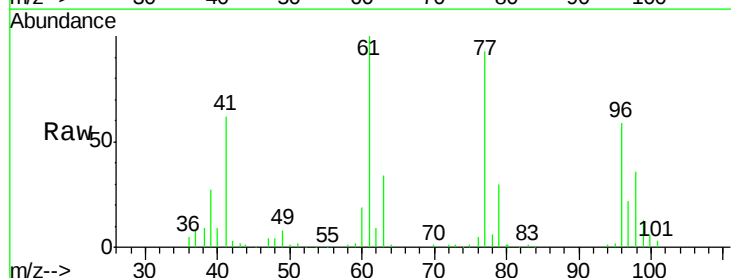
Acq: 07 May 2019 13:45

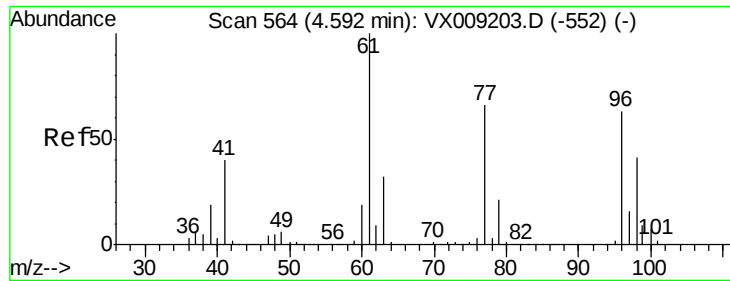
Tgt Ion: 77 Resp: 53057

Ion Ratio Lower Upper

77 100

97 22.6 11.5 34.4





#27

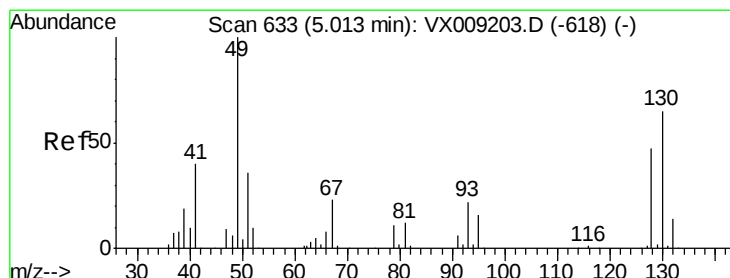
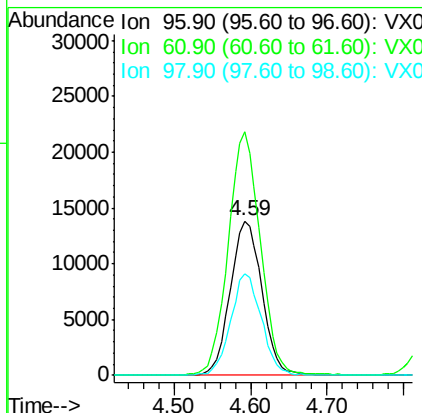
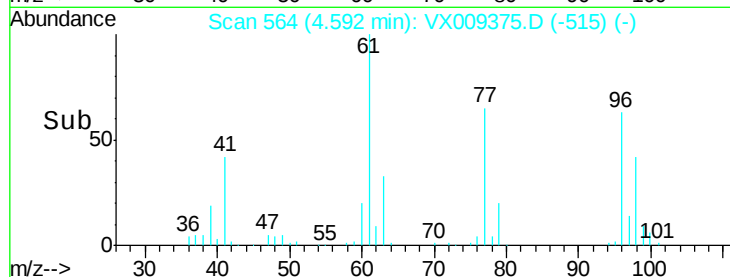
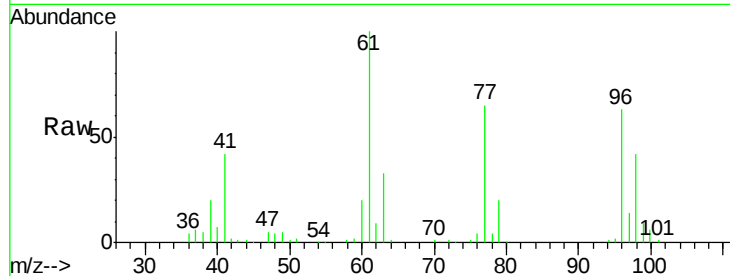
cis-1,2-Dichloroethene
Concen: 18.564 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX009375.D
Acq: 07 May 2019 13:45

Instrument :
MSVOA_X
ClientSampleId :
VX0507WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	39537		
61	160.5	0.0	324.0	
98	64.2	0.0	130.4	

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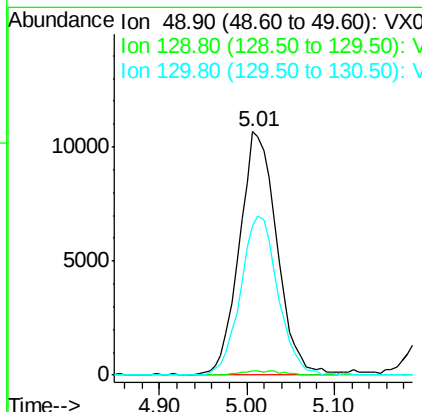
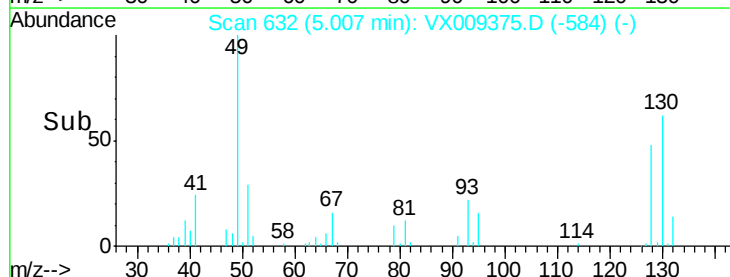
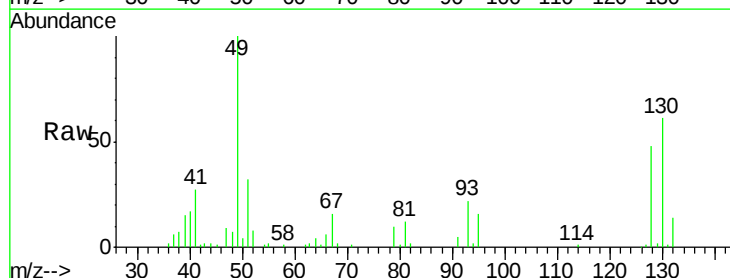
MMDadoda
5/8/2019 10:10:40 AM

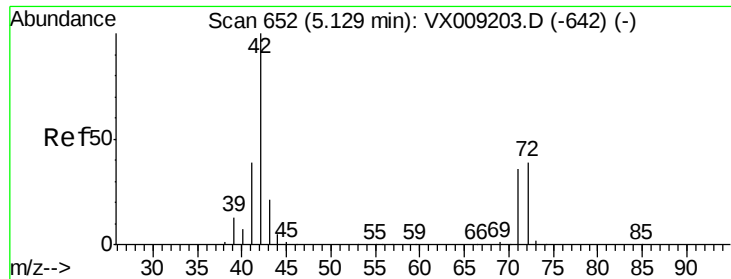


#28

Bromochloromethane
Concen: 19.152 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX009375.D
Acq: 07 May 2019 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	31917		
129	1.9	0.0	3.8	
130	64.6	51.2	76.8	





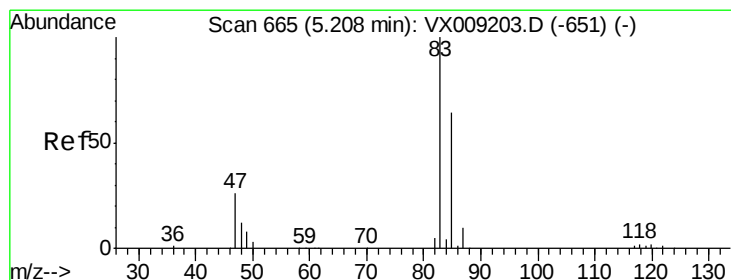
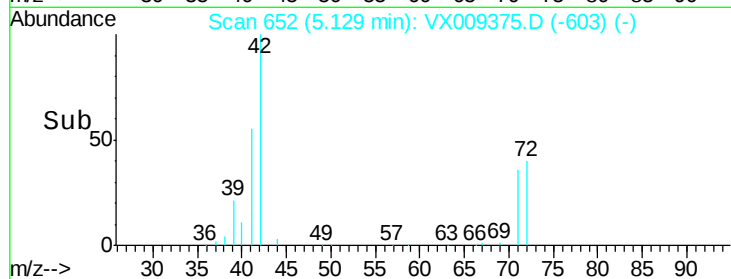
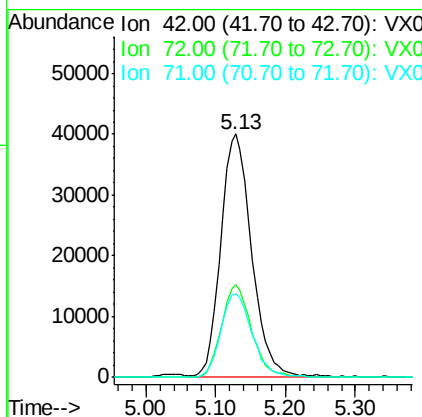
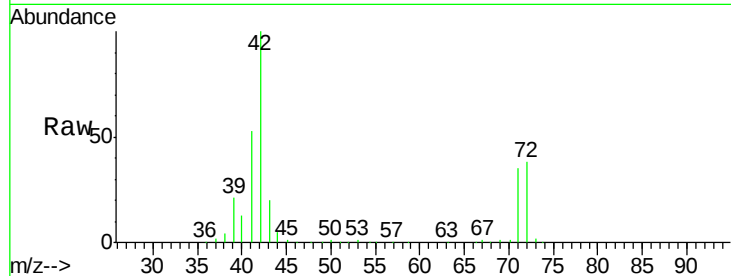
#29
Tetrahydrofuran
Concen: 94.785 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX009375.D
Acq: 07 May 2019 13:45

Instrument :
MSVOA_X
ClientSampled :
VX0507WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.5	30.4	45.6
71	35.2	28.6	43.0

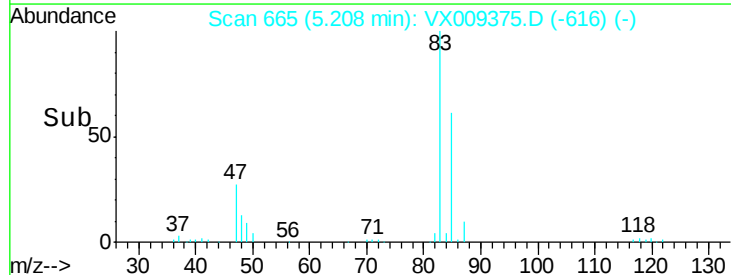
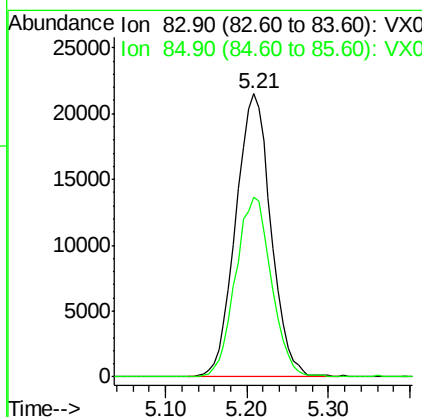
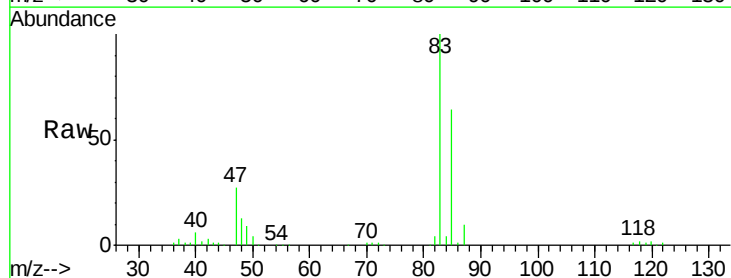
Manual Integrations
APPROVED

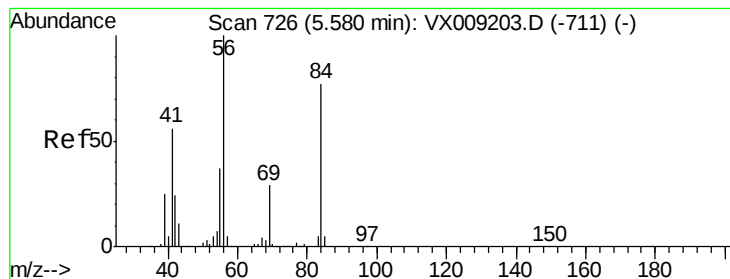
MMDadoda
5/8/2019 10:10:40 AM



#30
Chloroform
Concen: 18.720 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.00 min
Lab File: VX009375.D
Acq: 07 May 2019 13:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.5	77.3





#31

Cyclohexane

Concen: 18.510 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX009375.D

Acq: 07 May 2019 13:45

Instrument :

MSVOA_X

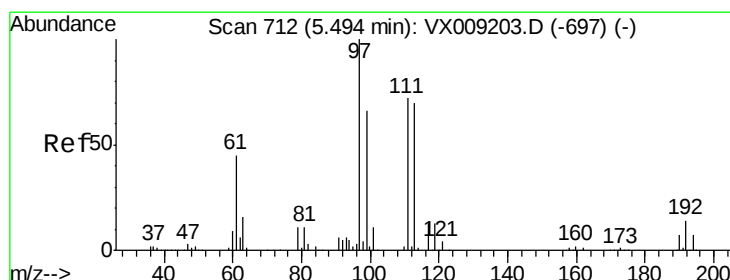
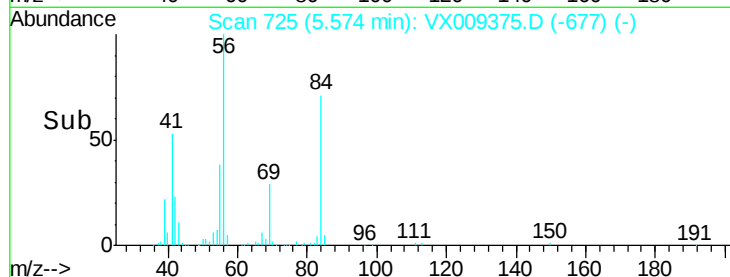
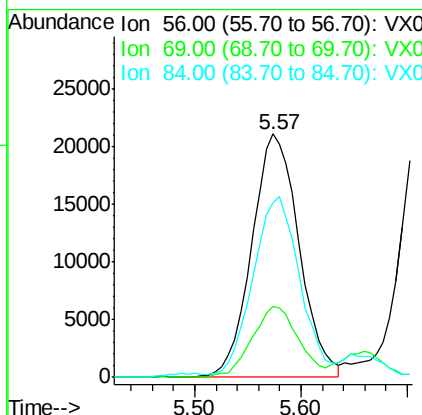
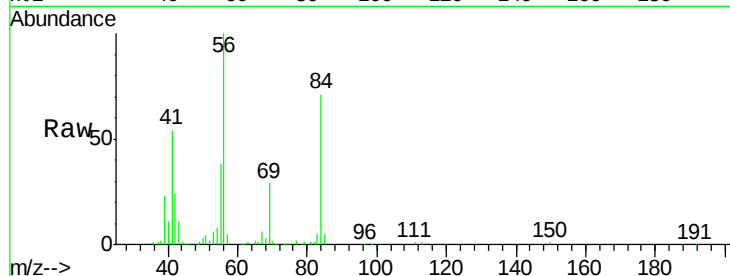
ClientSampleId :

VX0507WBS02

Tot Ion:	56	Resp:	65507
Ion Ratio		Lower	Upper
56	100		
69	29.2	23.4	35.0
84	70.2	61.9	92.9

Manual Integrations
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5/8/2019 10:10:40 AM



#32

1,1,1-Trichloroethane

Concen: 18.469 ug/l

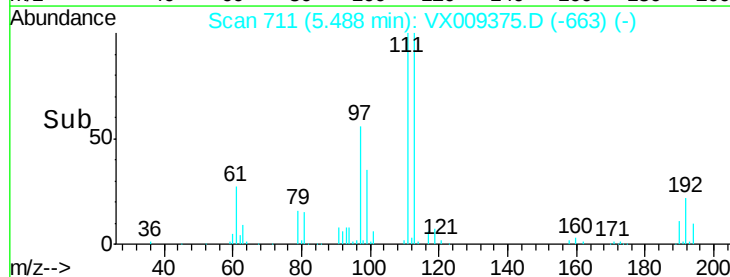
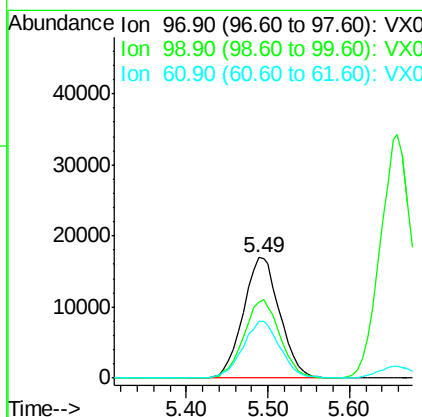
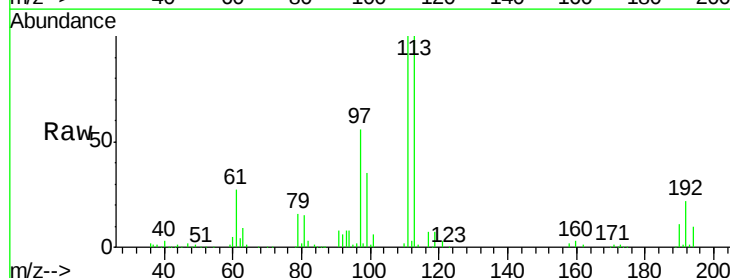
RT: 5.49 min Scan# 711

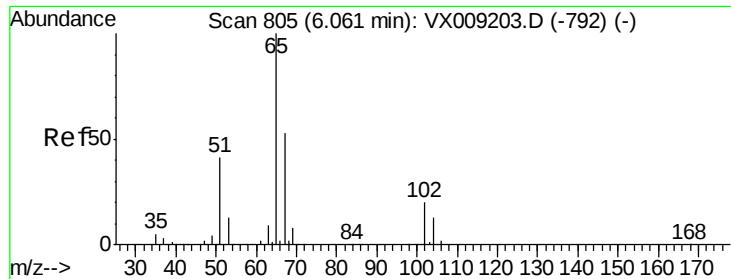
Delta R.T. -0.01 min

Lab File: VX009375.D

Acq: 07 May 2019 13:45

Tgt Ion:	97	Resp:	52894
Ion Ratio		Lower	Upper
97	100		
99	63.8	51.8	77.8
61	47.7	37.8	56.8





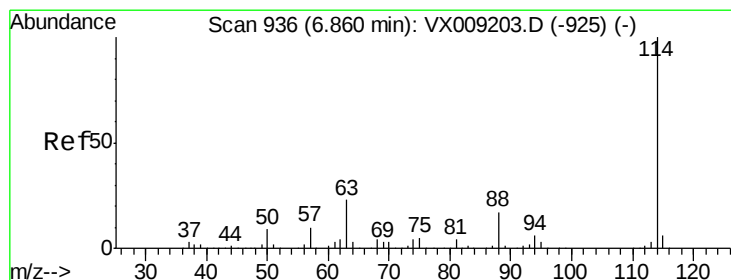
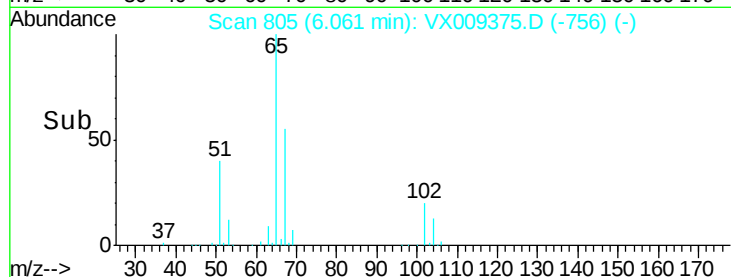
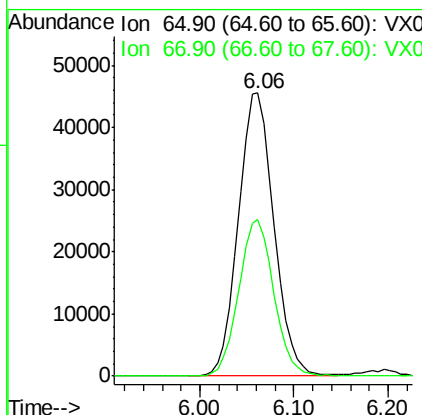
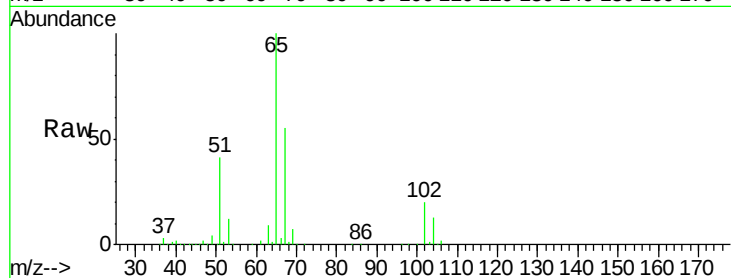
#33
 1,2-Dichloroethane-d4
 Concen: 50.337 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009375.D
 Acq: 07 May 2019 13:45

Instrument :
 MSVOA_X
 ClientSampled :
 VX0507WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	120496		
67	54.5	0.0	106.6	

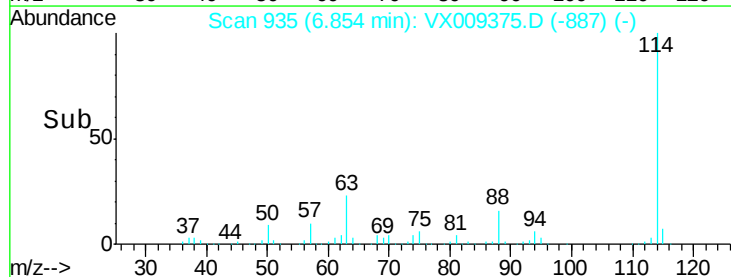
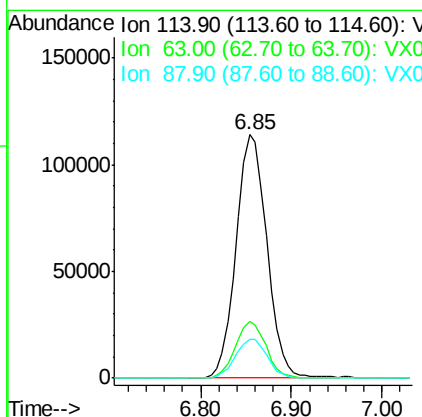
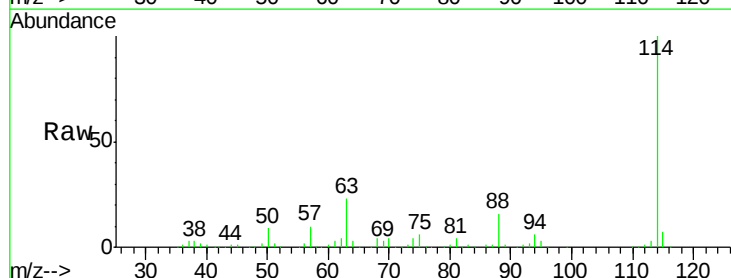
Manual Integrations
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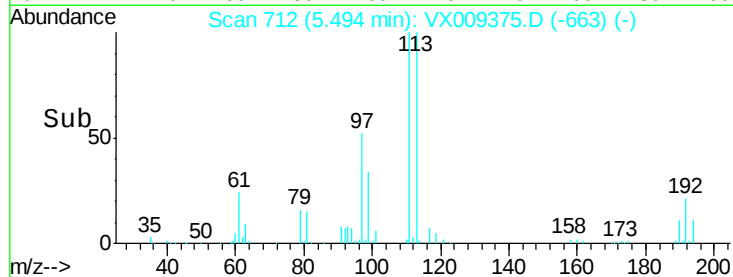
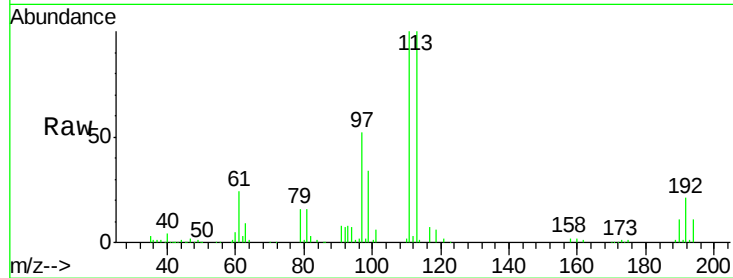
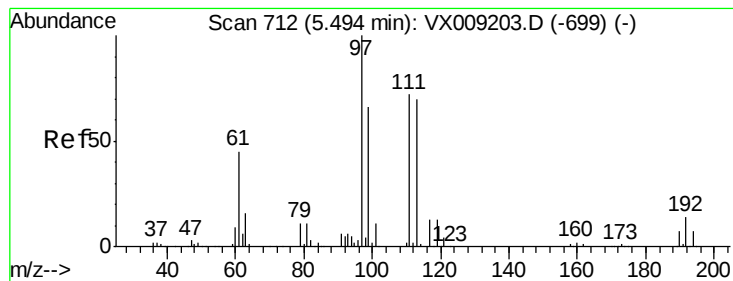
MMDadoda
 5/8/2019 10:10:40 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX009375.D
 Acq: 07 May 2019 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	270608		
63	23.3	0.0	45.6	
88	16.2	0.0	33.2	





#35

Dibromofluoromethane

Concen: 53.286 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX009375.D

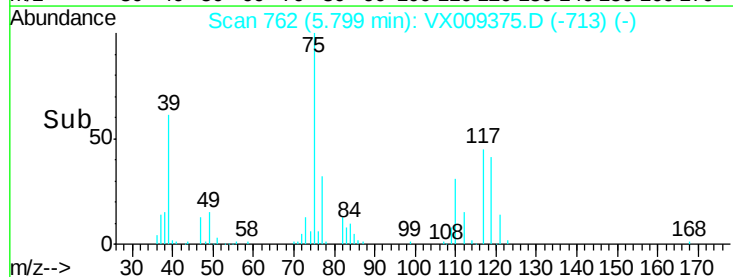
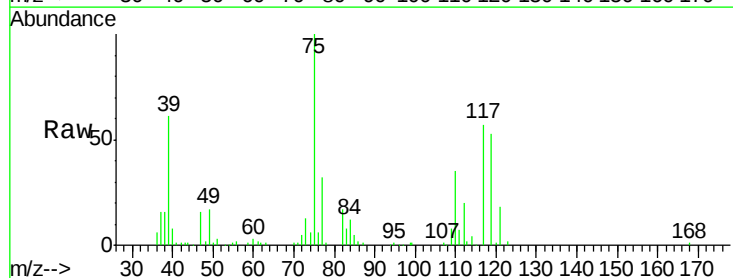
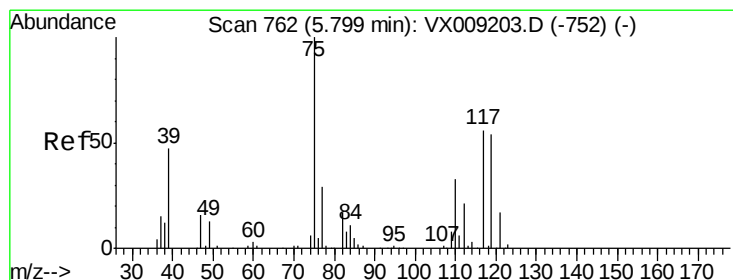
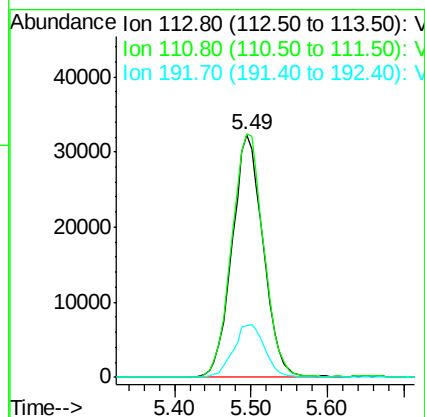
Acq: 07 May 2019 13:45

Tot Ion:	113	Resp:	90647
Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.8	124.2
192	22.0	17.0	25.6

Instrument :
MSVOA_X
ClientSampled :
VX0507WBS02

Manual Integrations
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5/8/2019 10:10:40 AM



#36

1,1-Dichloropropene

Concen: 18.976 ug/l

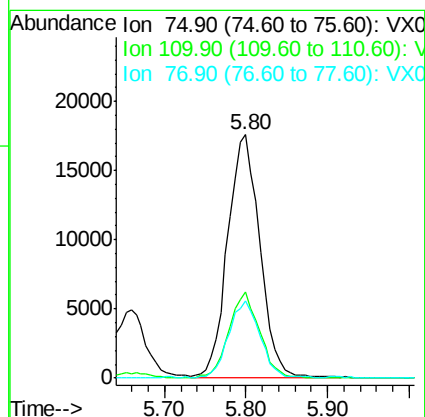
RT: 5.80 min Scan# 762

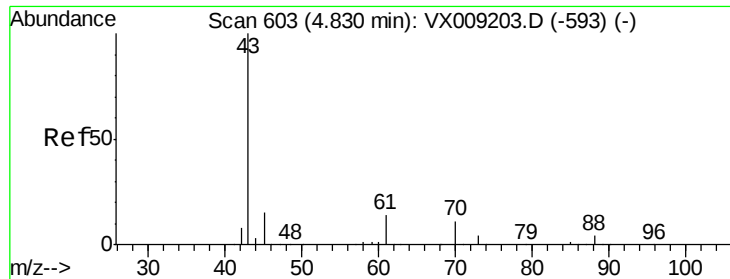
Delta R.T. -0.00 min

Lab File: VX009375.D

Acq: 07 May 2019 13:45

Tgt Ion:	75	Resp:	47720
Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.9	50.6
77	31.3	24.8	37.2





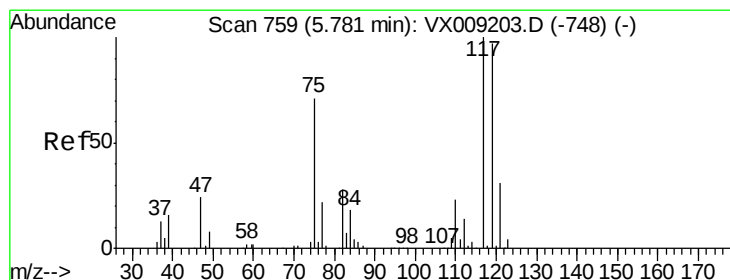
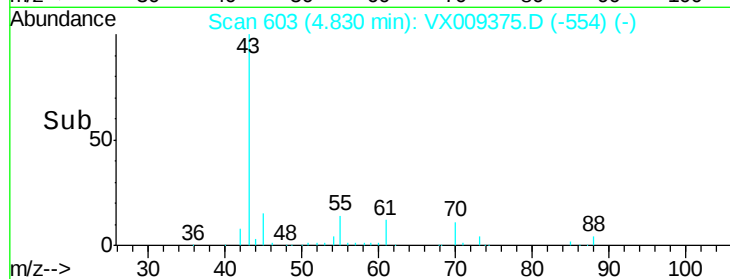
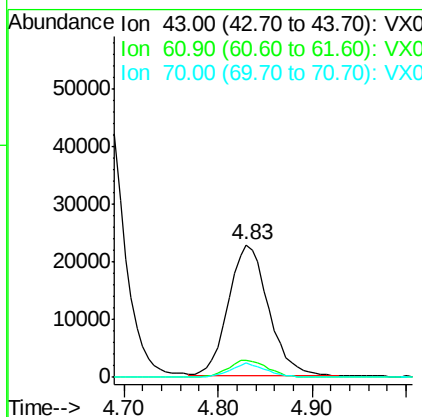
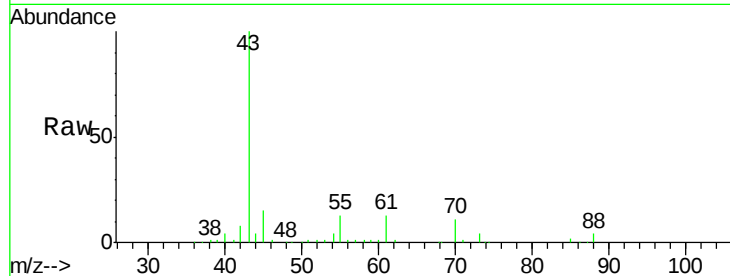
#37
Ethyl Acetate
Concen: 19.161 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX009375.D
Acq: 07 May 2019 13:45

Instrument :
MSVOA_X
ClientSampled :
VX0507WBS02

Tot Ion	43	Resp	67137
Ion Ratio	100	Lower	Upper
43	100		
61	13.5	10.5	15.7
70	9.9	7.9	11.9

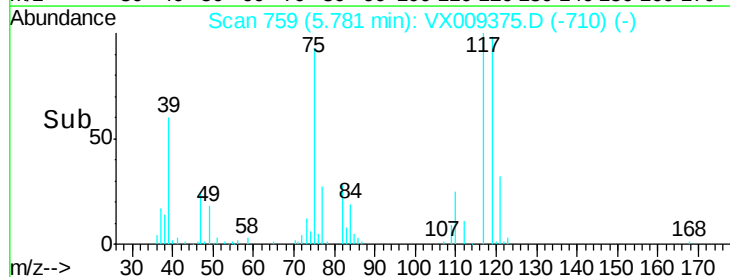
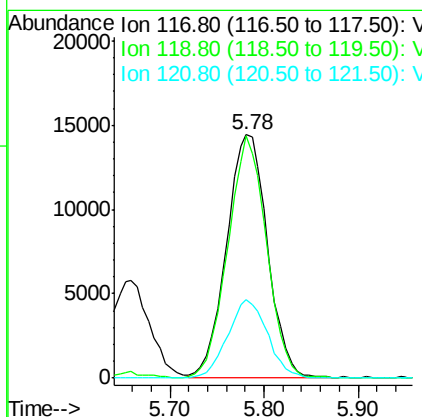
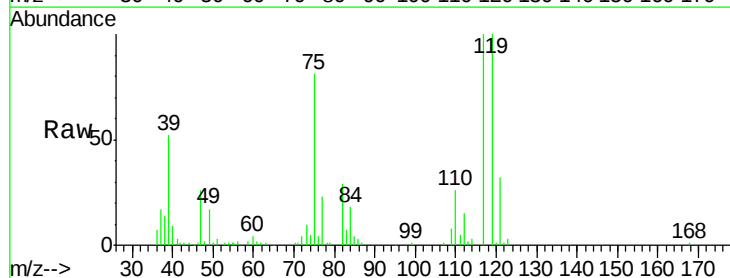
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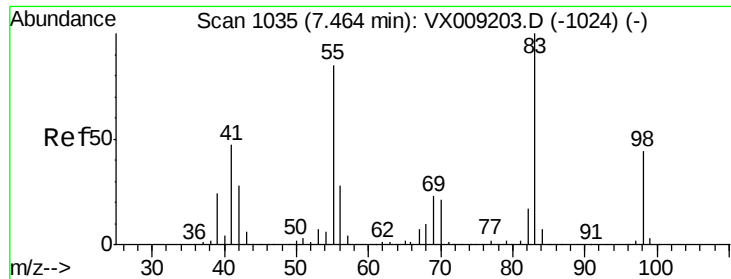
MMDadoda
5/8/2019 10:10:40 AM



#38
Carbon Tetrachloride
Concen: 19.163 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX009375.D
Acq: 07 May 2019 13:45

Tgt Ion	117	Resp	43784
Ion Ratio	100	Lower	Upper
117	100		
119	99.5	77.5	116.3
121	32.4	24.7	37.1





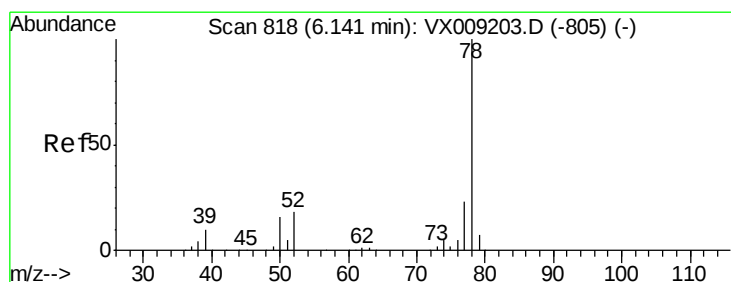
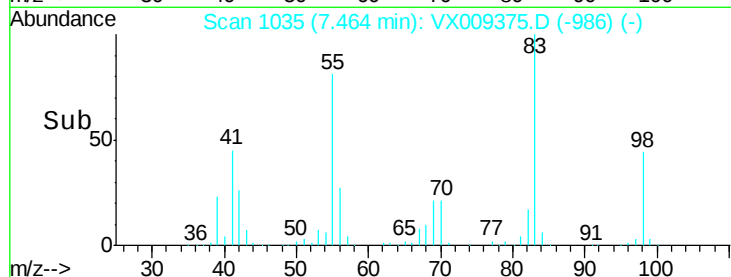
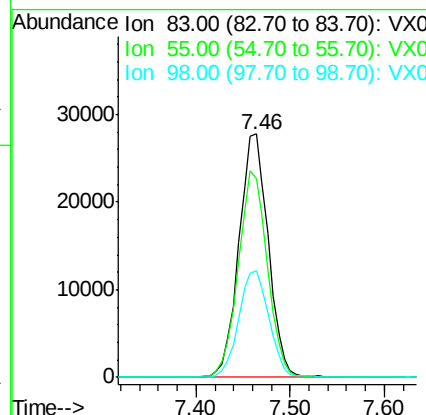
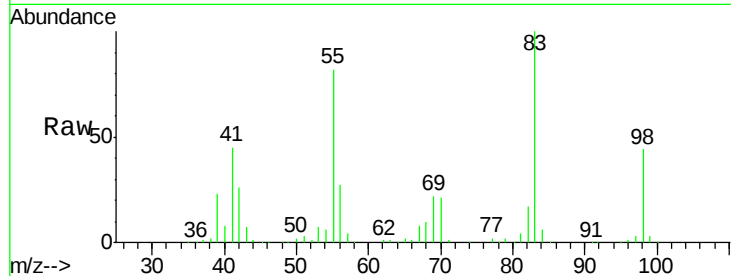
#39
Methvlcvclohexane
Concen: 19.440 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009375.D
Acq: 07 May 2019 13:45

Instrument :
MSVOA_X
ClientSampleId :
VX0507WBS02

Tot Ion	83	Resp	60040
Ion Ratio	Lower	Upper	
83	100		
55	81.6	67.7	101.5
98	43.7	35.5	53.3

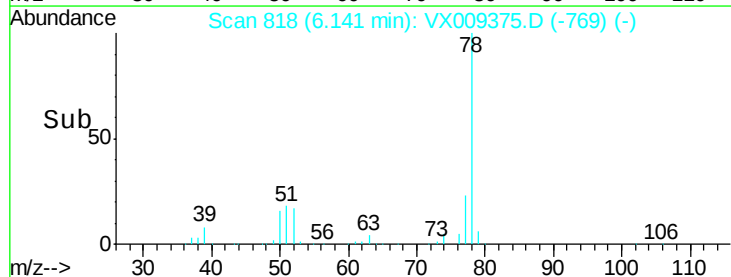
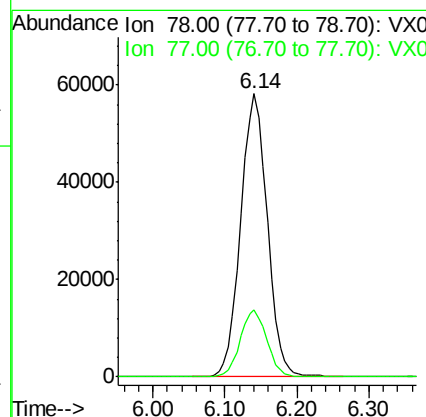
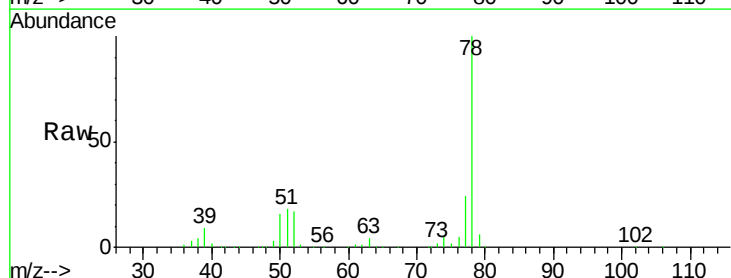
Manual Integrations
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#40
Benzene
Concen: 19.242 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009375.D
Acq: 07 May 2019 13:45

Tgt Ion	78	Resp	149756
Ion Ratio	Lower	Upper	
78	100		
77	23.5	18.8	28.2





#41

Methacrylonitrile

Concen: 18.460 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX009375.D

Acq: 07 May 2019 13:45

Instrument :

MSVOA_X

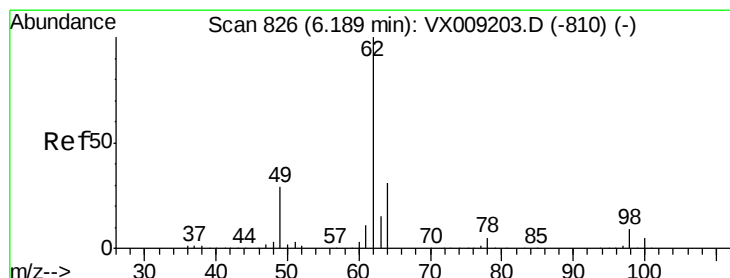
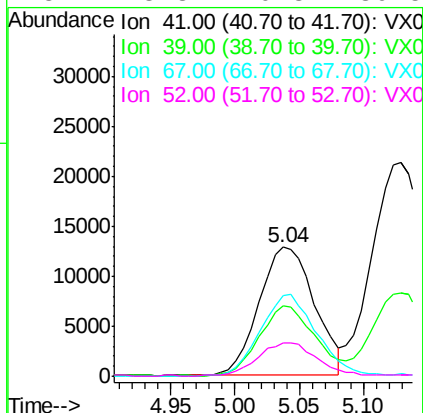
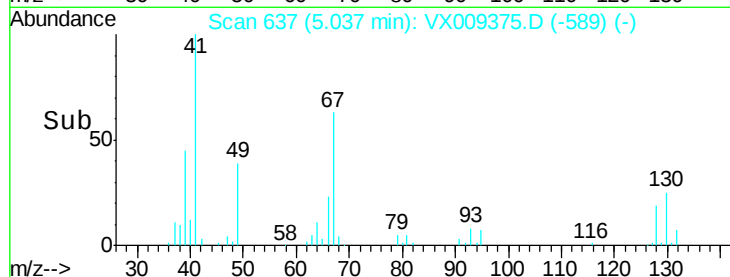
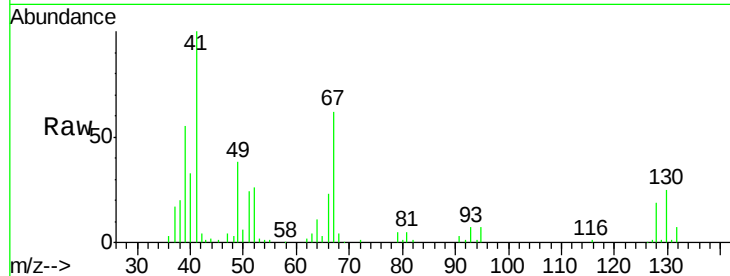
ClientSampleId :

VX0507WBS02

Tot Ion:	41	Resp:	38502
Ion Ratio	Lower	Upper	
41	100		
39	55.9	42.0	63.0
67	65.4	49.8	74.8
52	28.3	20.3	30.5

Manual Integrations
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5/8/2019 10:10:40 AM



#42

1,2-Dichloroethane

Concen: 19.535 ug/l

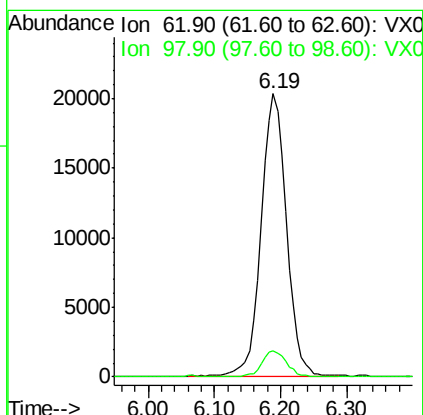
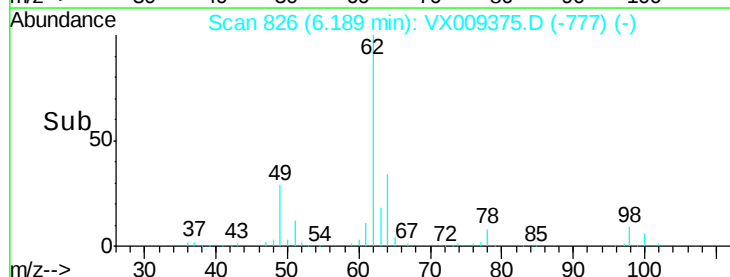
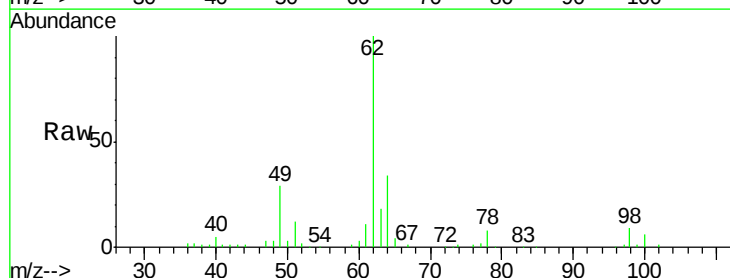
RT: 6.19 min Scan# 826

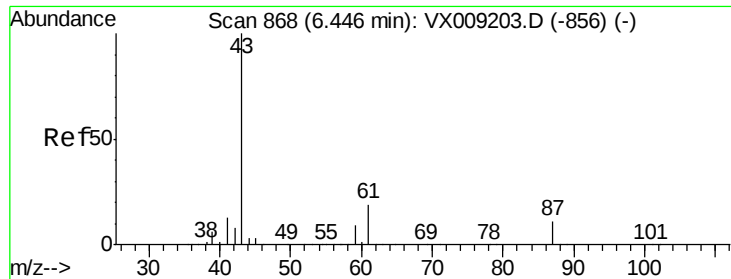
Delta R.T. -0.00 min

Lab File: VX009375.D

Acq: 07 May 2019 13:45

Tgt Ion:	62	Resp:	54539
Ion Ratio	Lower	Upper	
62	100		
98	8.9	0.0	18.2





#43

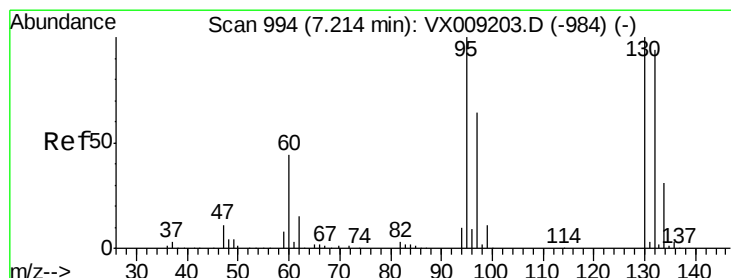
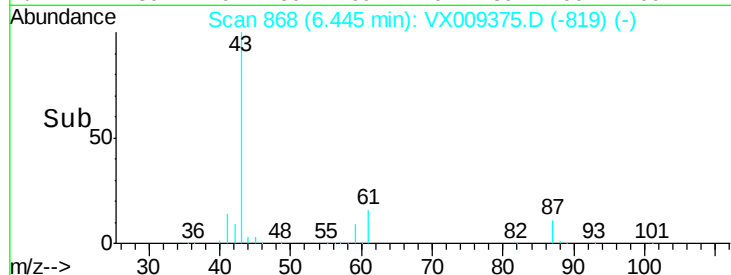
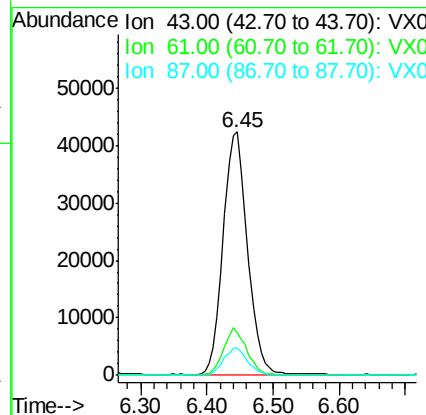
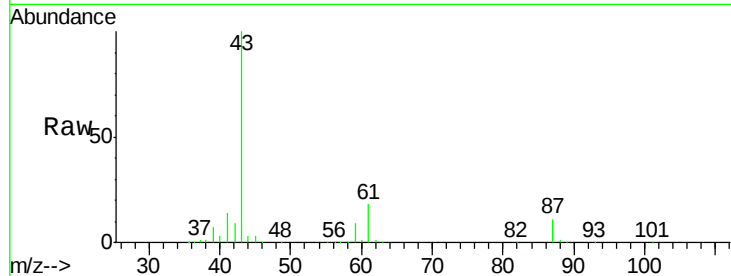
Isopropyl Acetate
 Concen: 19.208 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX009375.D
 Acq: 07 May 2019 13:45

Instrument :
 MSVOA_X
 ClientSampled :
 VX0507WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.1	22.7
87	11.1	9.0	13.6

Manual Integrations
 APPROVED

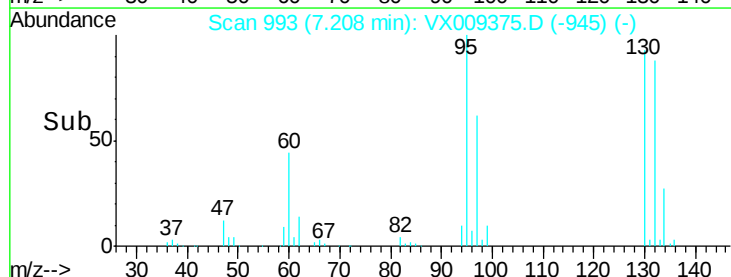
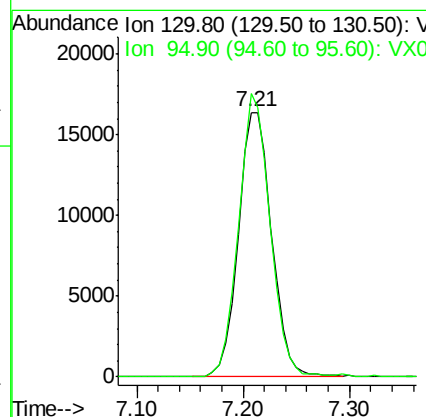
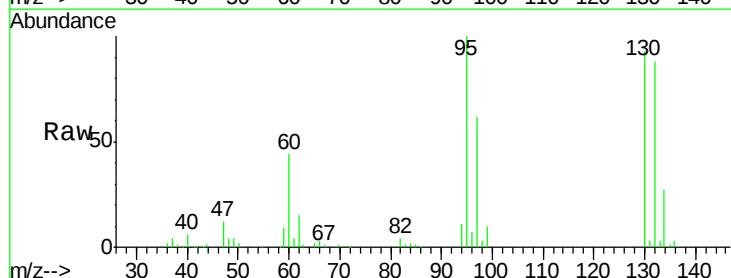
MMDadoda
 5/8/2019 10:10:40 AM



#44

Trichloroethene
 Concen: 19.093 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX009375.D
 Acq: 07 May 2019 13:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.0	0.0	199.2





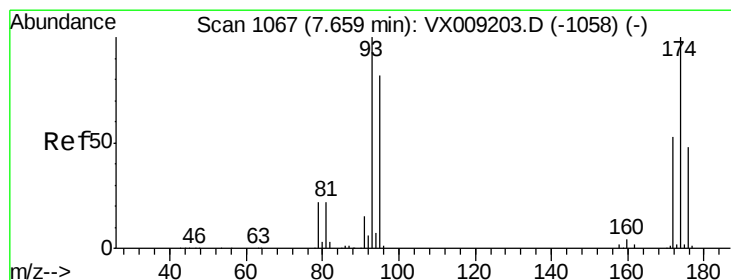
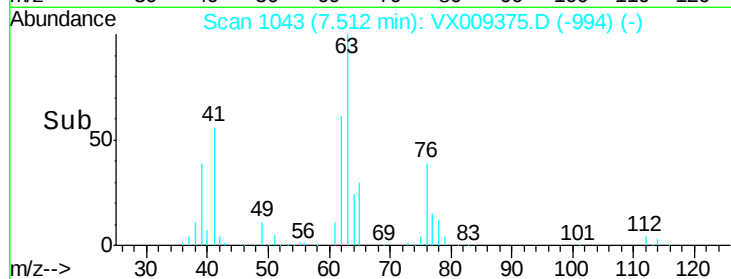
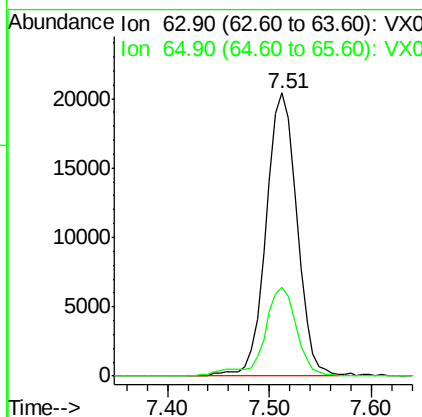
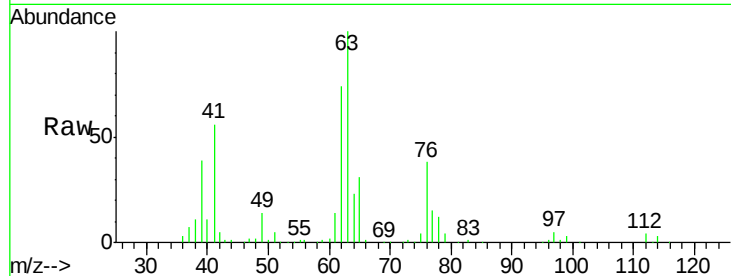
#45
 1,2-Dichloropropane
 Concen: 19.426 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009375.D
 Acq: 07 May 2019 13:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0507WBS02

Tot Ion: 63 Resp: 42810
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.0 37.6

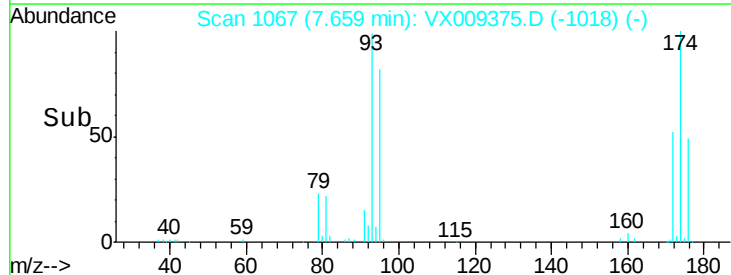
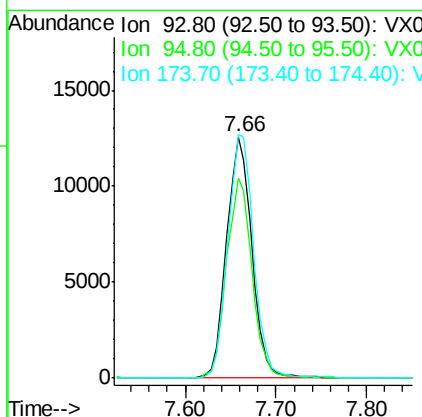
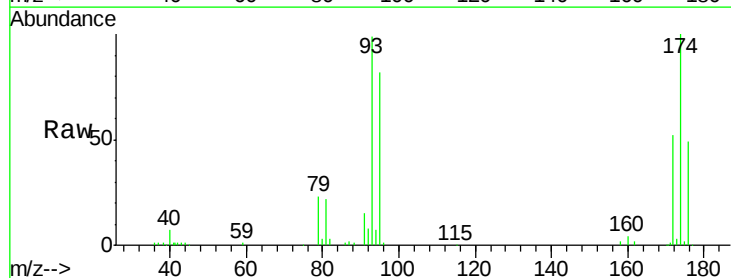
Manual Integrations
 APPROVED

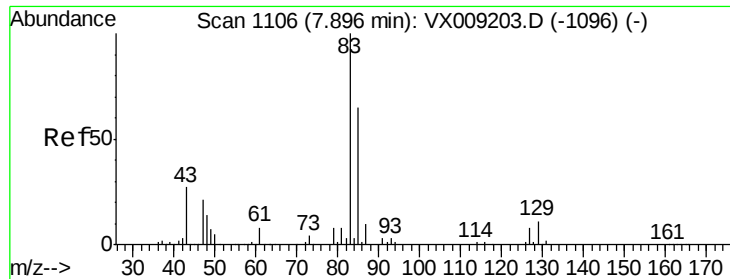
MMDadoda
 5/8/2019 10:10:40 AM



#46
 Dibromomethane
 Concen: 19.005 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX009375.D
 Acq: 07 May 2019 13:45

Tgt Ion: 93 Resp: 24322
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.5 99.7
 174 103.6 82.1 123.1





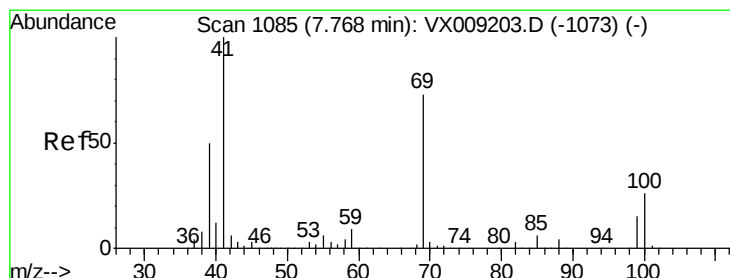
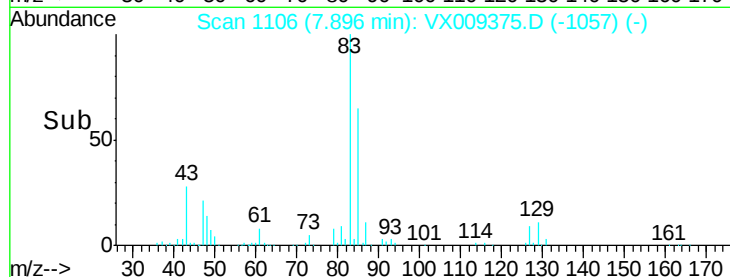
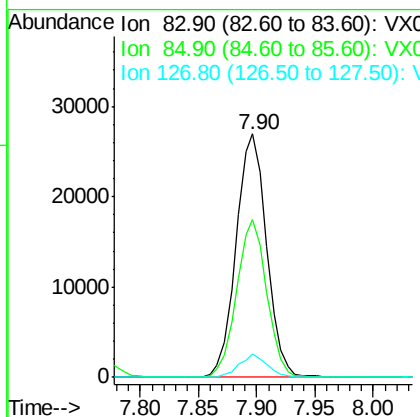
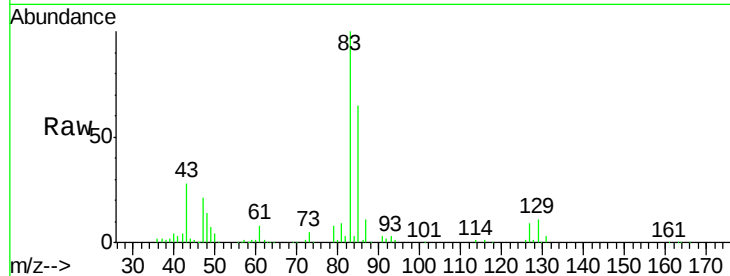
#47
Bromodichloromethane
Concen: 19.292 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX009375.D
Acq: 07 May 2019 13:45

Instrument :
MSVOA_X
ClientSampleId :
VX0507WBS02

Tot Ion	83	Resp	49249
Ion Ratio	100	Lower	Upper
83	100		
85	64.8	52.4	78.6
127	9.4	6.6	10.0

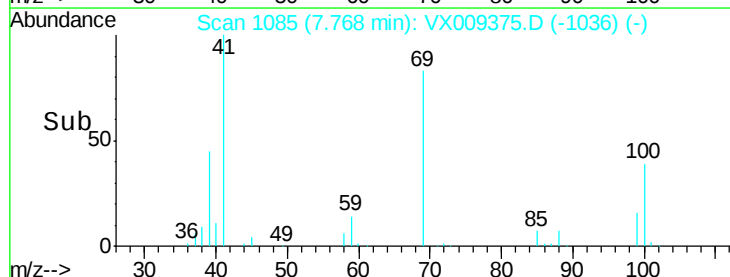
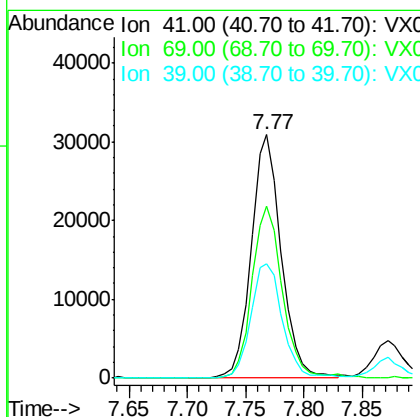
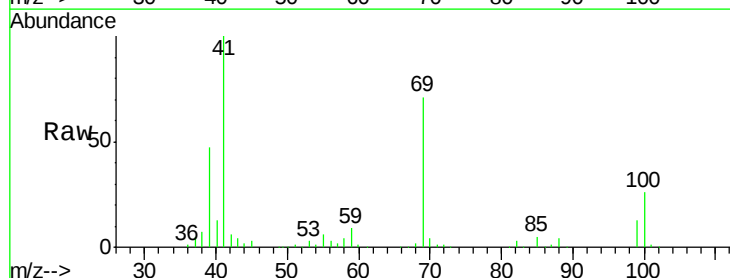
Manual Integrations
APPROVED

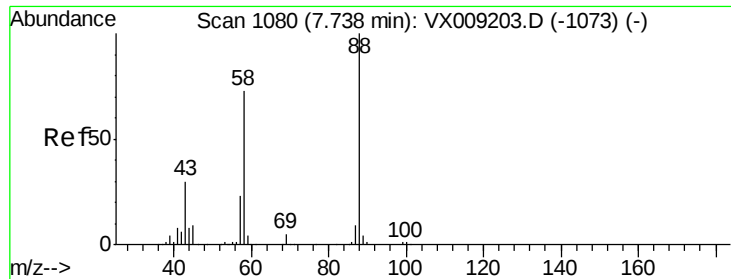
MMDadoda
5/8/2019 10:10:40 AM



#48
Methyl methacrylate
Concen: 19.871 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX009375.D
Acq: 07 May 2019 13:45

Tgt Ion	41	Resp	55253
Ion Ratio	100	Lower	Upper
41	100		
69	71.8	59.1	88.7
39	49.1	40.4	60.6





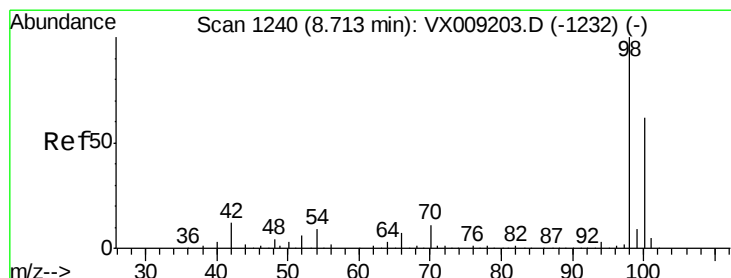
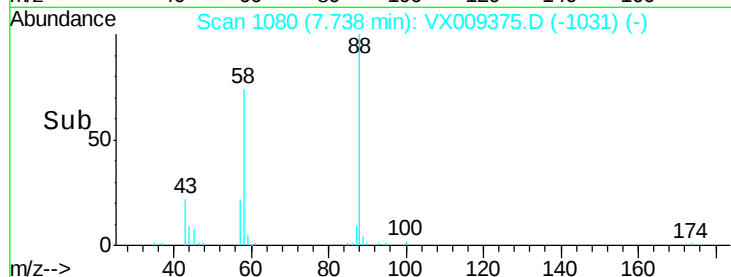
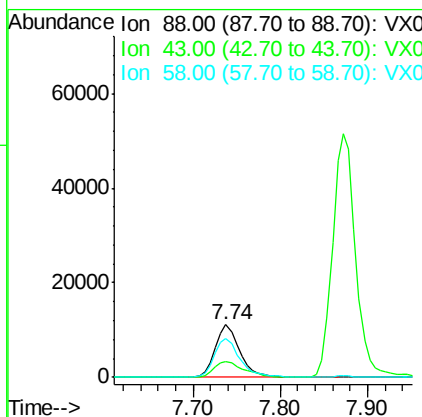
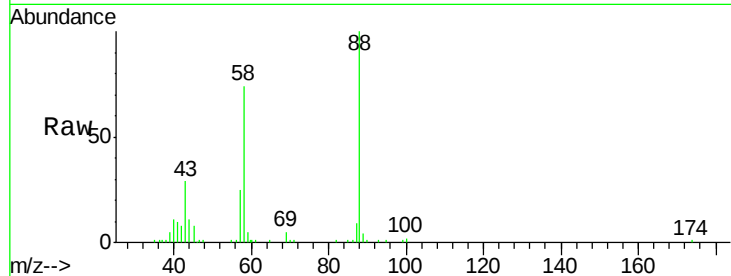
#49
1,4-Dioxane
Concen: 384.981 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009375.D
Acq: 07 May 2019 13:45

Instrument :
MSVOA_X
ClientSampleId :
VX0507WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.9	28.6	42.8
58	77.1	61.7	92.5

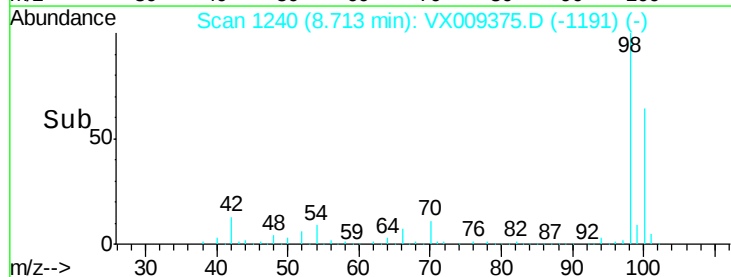
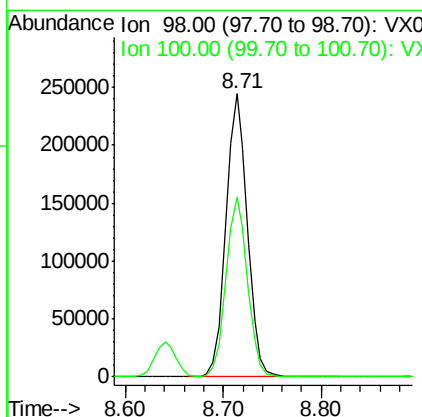
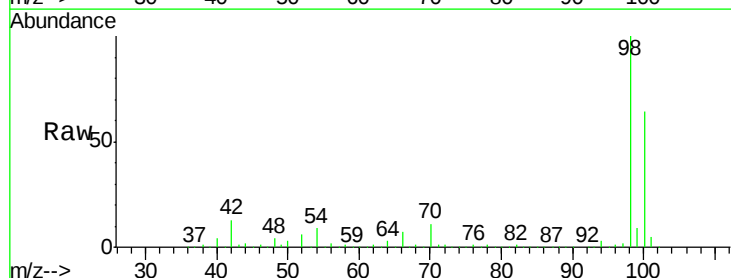
Manual Integrations
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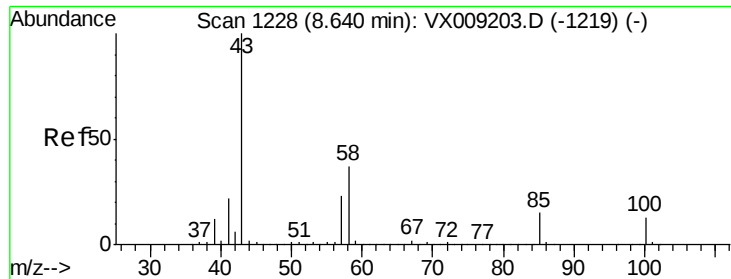
MMDadoda
5/8/2019 10:10:40 AM



#50
Toluene-d8
Concen: 53.780 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009375.D
Acq: 07 May 2019 13:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 98.760 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009375.D

Acq: 07 May 2019 13:45

Instrument :

MSVOA_X

ClientSampled :

VX0507WBS02

Tot Ion: 43 Resp: 361788

Ion Ratio Lower Upper

43 100

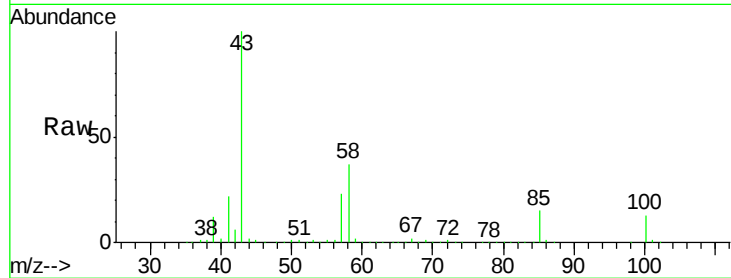
58 37.0 29.5 44.3

Manual Integrations

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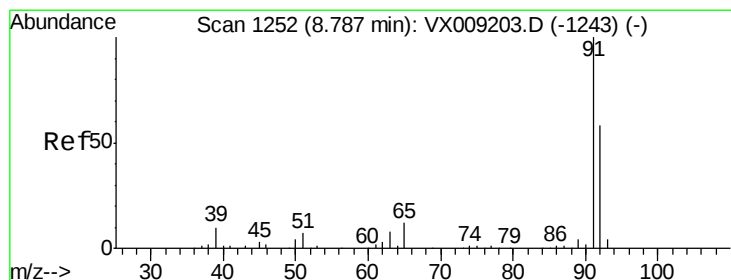
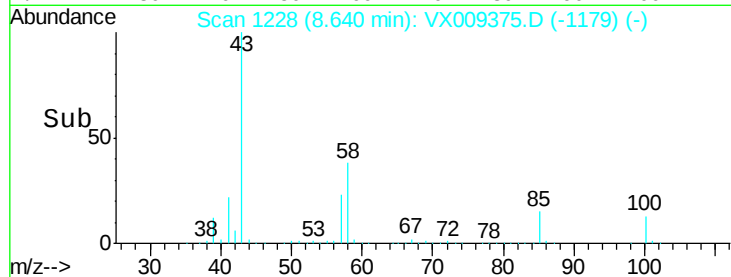
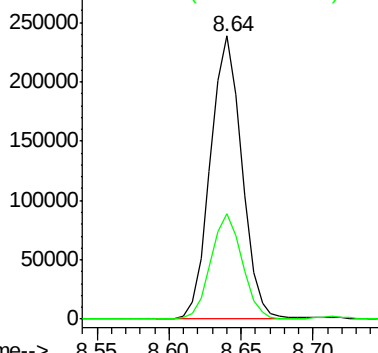
MMDadoda

5/8/2019 10:10:40 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.494 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009375.D

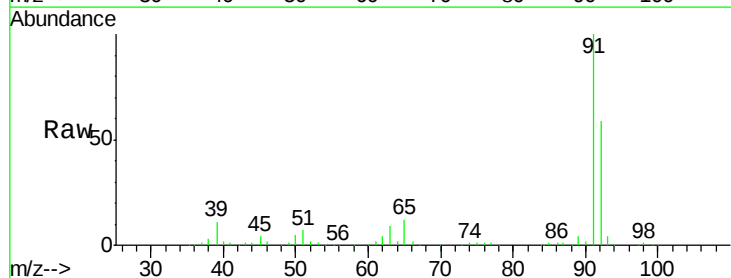
Acq: 07 May 2019 13:45

Tgt Ion: 92 Resp: 92227

Ion Ratio Lower Upper

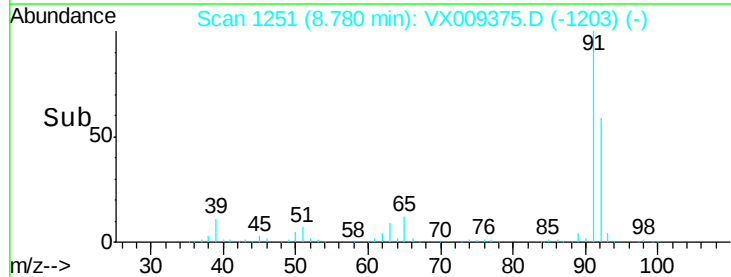
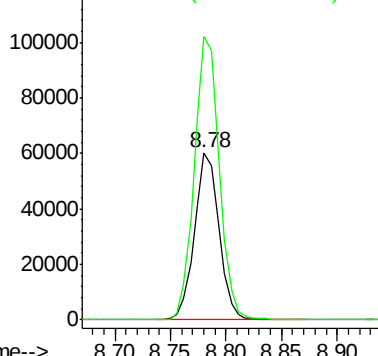
92 100

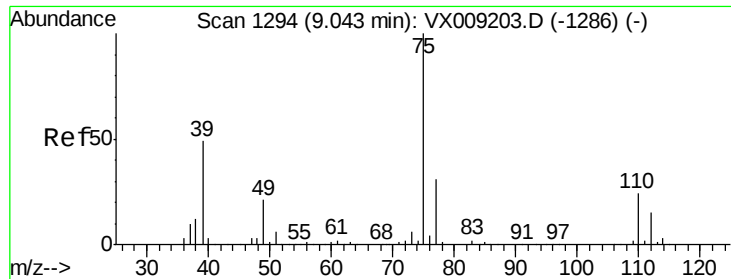
91 171.9 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





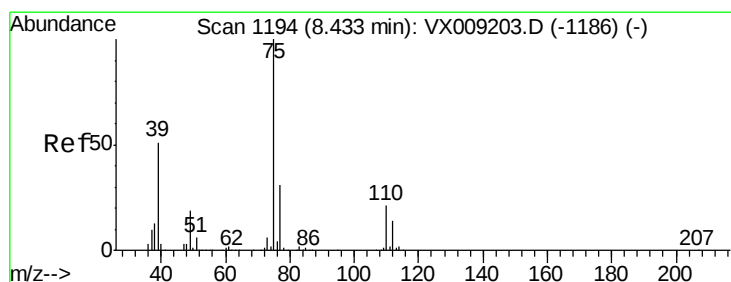
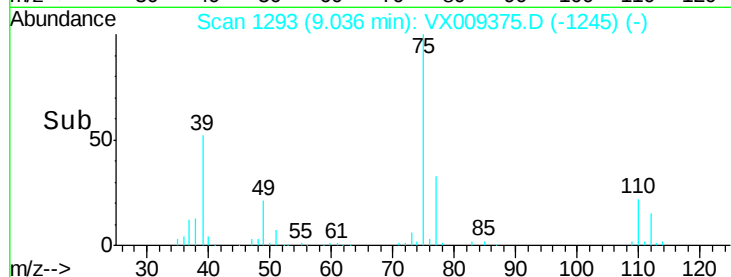
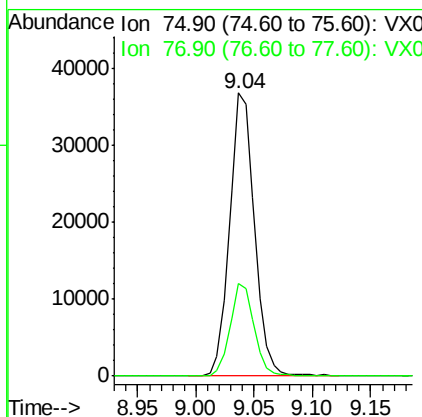
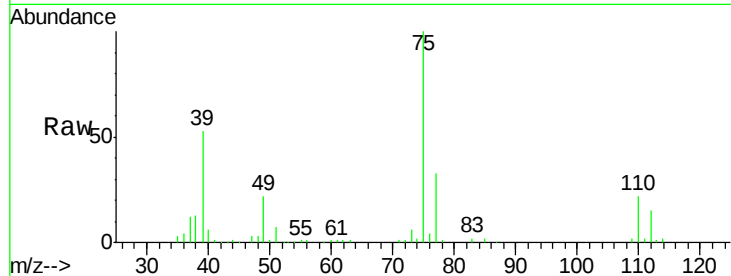
#53
t-1,3-Dichloropropene
Concen: 19.028 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VX009375.D
Acq: 07 May 2019 13:45

Instrument :
MSVOA_X
ClientSampleId :
VX0507WBS02

Tot Ion: 75 Resp: 54842
Ion Ratio Lower Upper
75 100
77 32.9 25.0 37.6

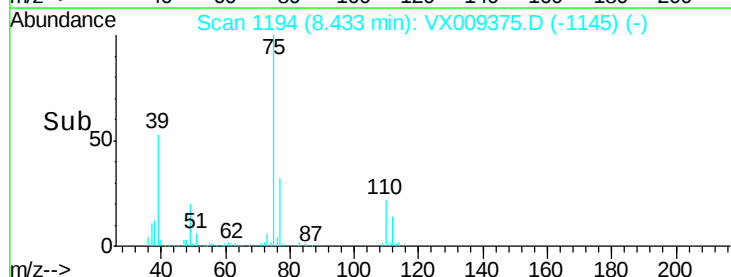
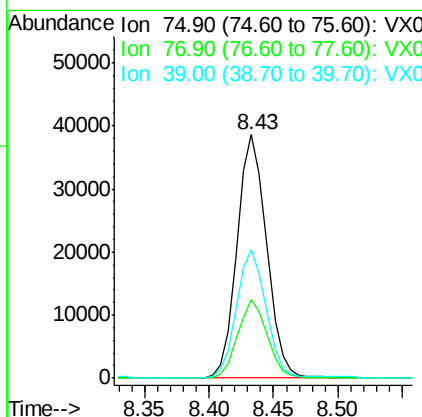
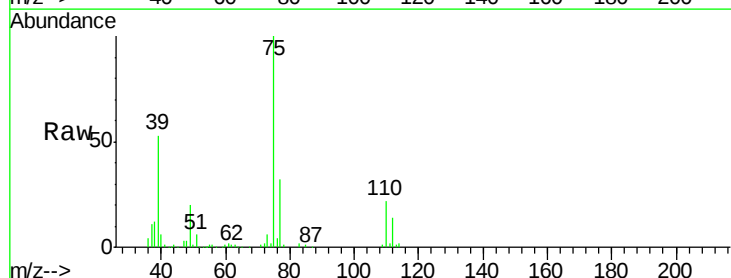
Manual Integrations
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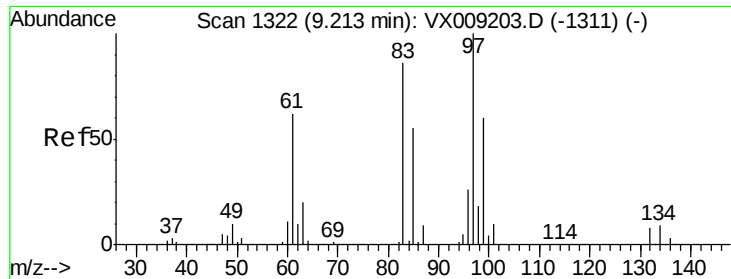
MMDadoda
5/8/2019 10:10:40 AM



#54
cis-1,3-Dichloropropene
Concen: 19.271 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009375.D
Acq: 07 May 2019 13:45

Tgt Ion: 75 Resp: 61475
Ion Ratio Lower Upper
75 100
77 32.2 24.6 36.8
39 52.6 40.6 60.8





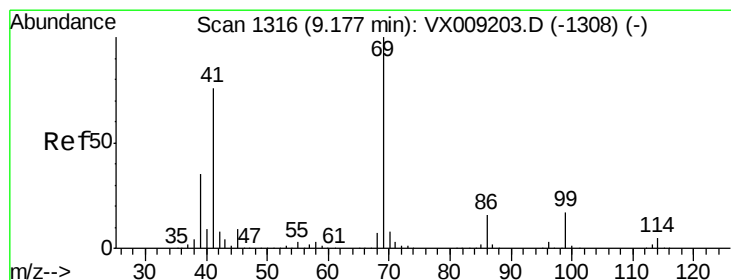
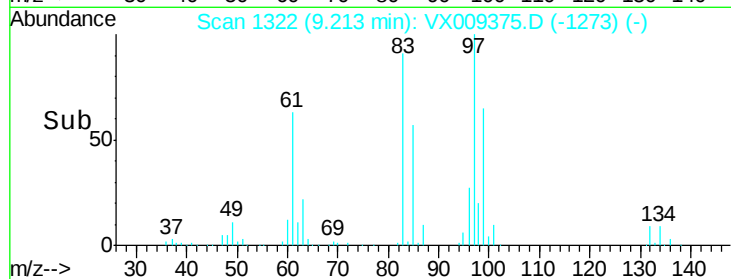
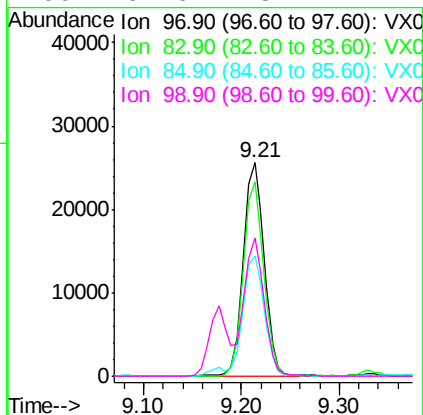
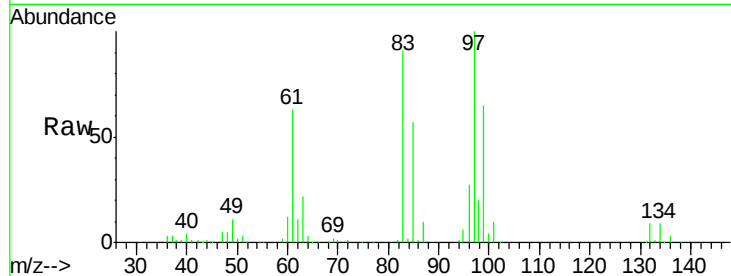
#55
 1,1,2-Trichloroethane
 Concen: 19.824 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009375.D
 Acq: 07 May 2019 13:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0507WBS02

Tot Ion:	97	Resp:	38263
Ion	Ratio	Lower	Upper
97	100		
83	90.9	68.9	103.3
85	56.6	43.8	65.6
99	64.6	48.2	72.2

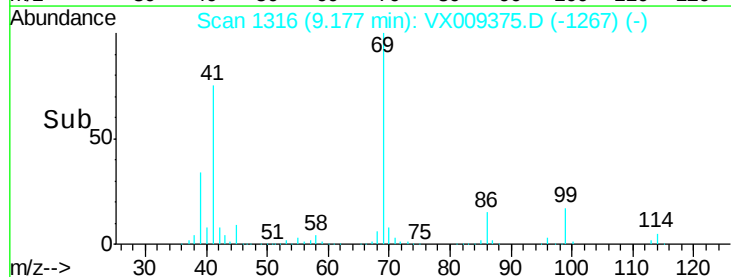
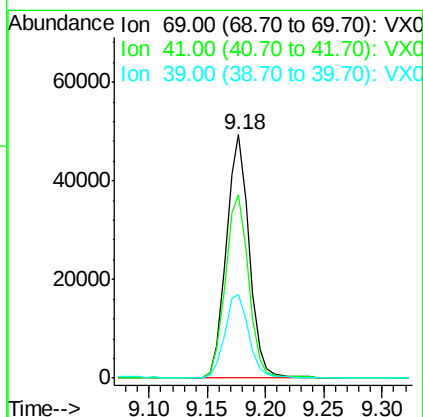
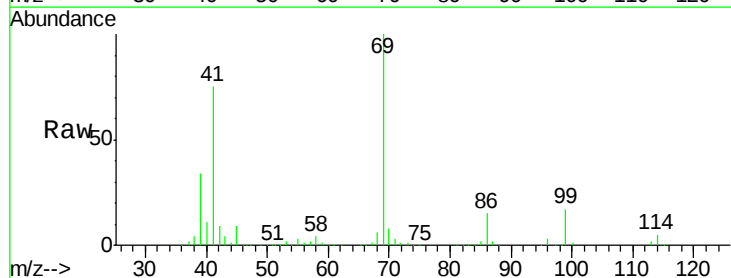
Manual Integrations
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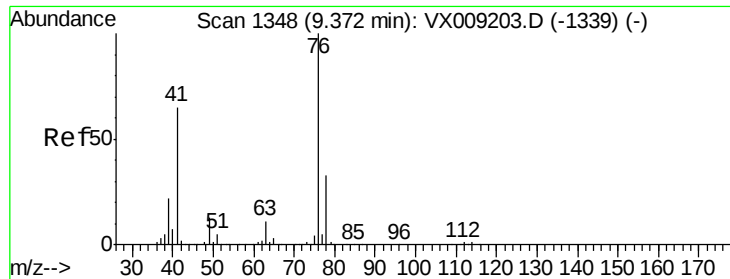
MMDadoda
 5/8/2019 10:10:40 AM



#56
 Ethyl methacrylate
 Concen: 19.576 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009375.D
 Acq: 07 May 2019 13:45

Tgt Ion:	69	Resp:	67446
Ion	Ratio	Lower	Upper
69	100		
41	76.9	60.6	90.8
39	35.3	28.2	42.4





#57

1,3-Dichloropropane

Concen: 19.411 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX009375.D

Acq: 07 May 2019 13:45

Instrument :

MSVOA_X

ClientSampled :

VX0507WBS02

Tot Ion: 76 Resp: 65931

Ion Ratio Lower Upper

76 100

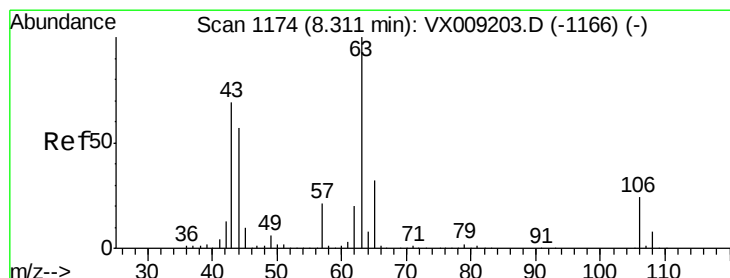
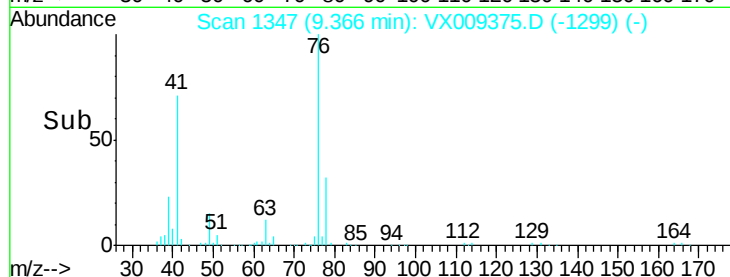
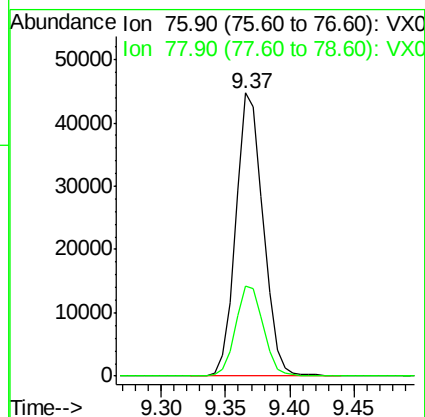
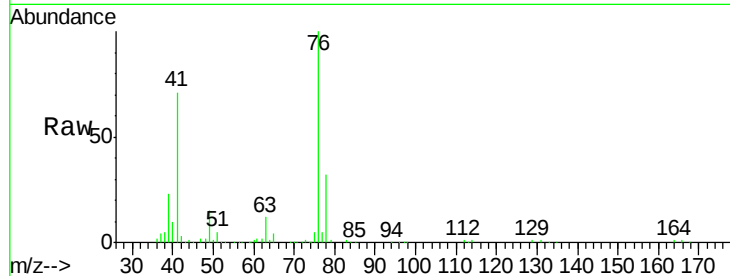
78 32.5 25.5 38.3

Manual Integrations

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MMDadoda

5/8/2019 10:10:40 AM



#58

2-Chloroethyl Vinyl ether

Concen: 95.329 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009375.D

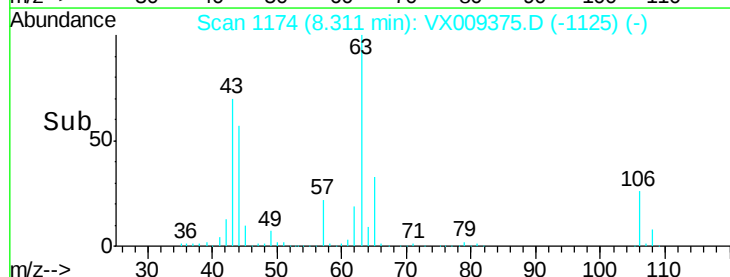
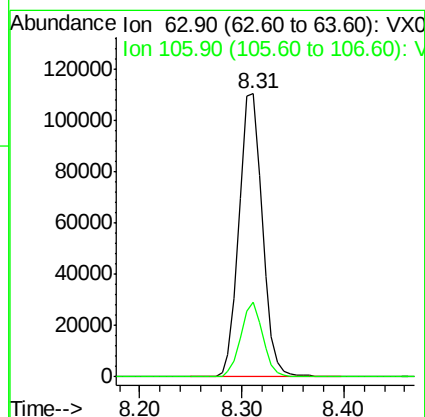
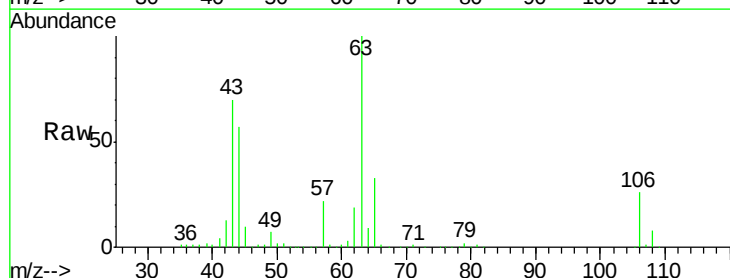
Acq: 07 May 2019 13:45

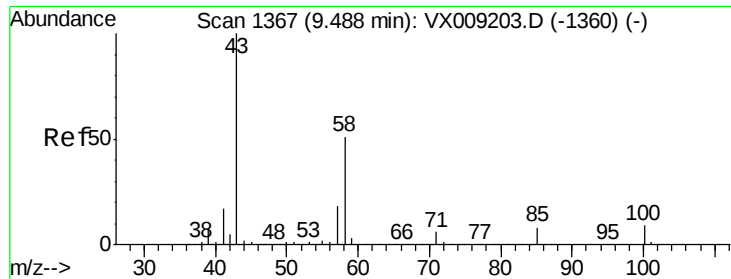
Tgt Ion: 63 Resp: 174238

Ion Ratio Lower Upper

63 100

106 25.1 19.7 29.5





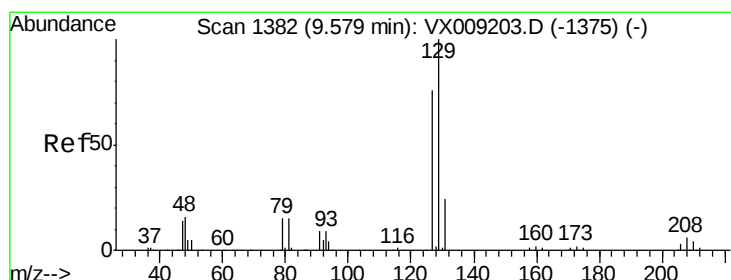
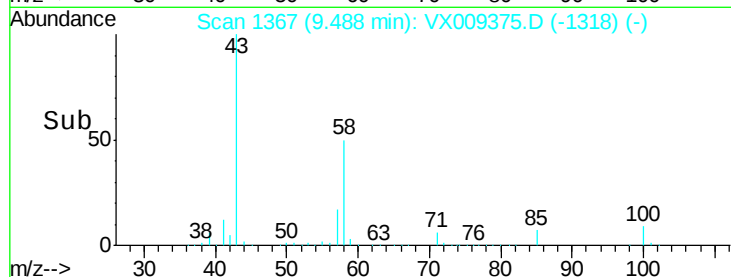
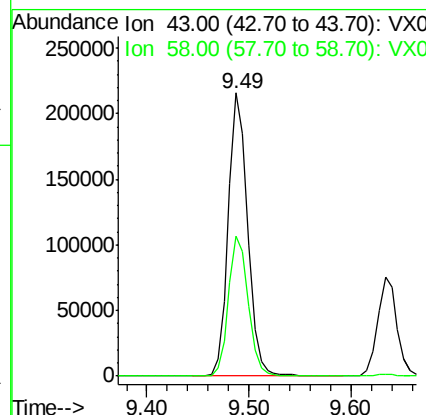
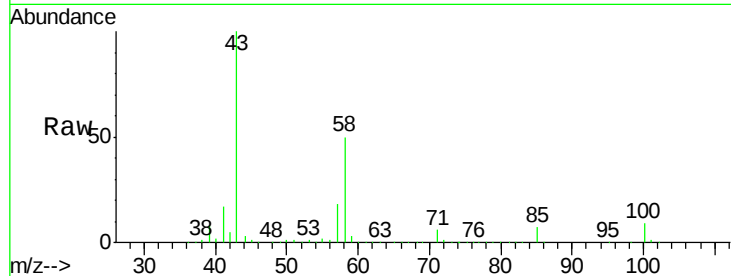
#59
2-Hexanone
Concen: 98.781 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009375.D
Acq: 07 May 2019 13:45

Instrument :
MSVOA_X
ClientSampled :
VX0507WBS02

Tot Ion: 43 Resp: 284202
Ion Ratio Lower Upper
43 100
58 50.6 25.9 77.7

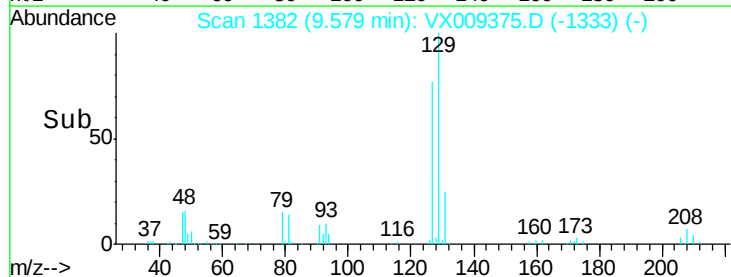
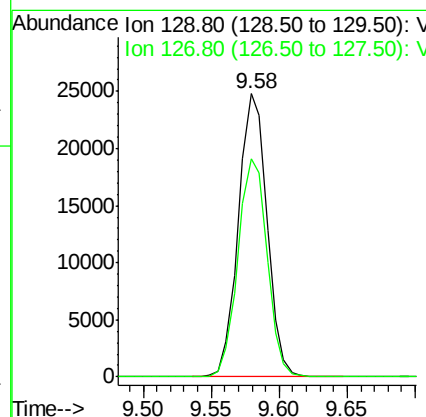
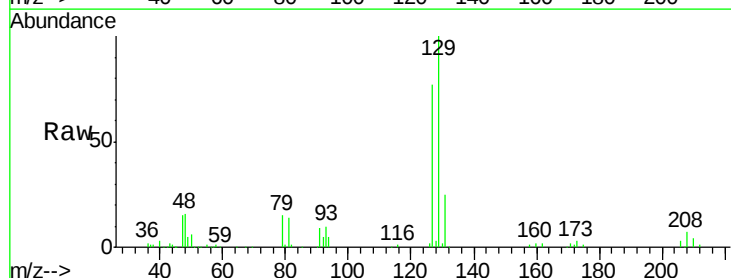
Manual Integrations
APPROVED

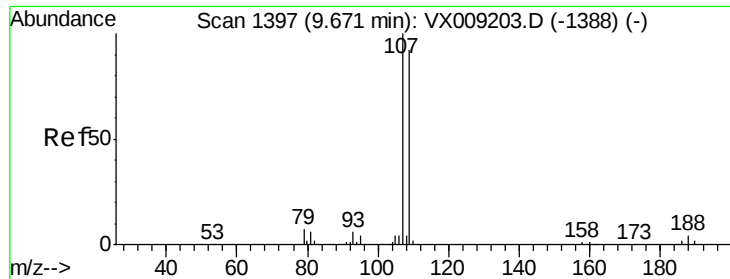
MMDadoda
5/8/2019 10:10:40 AM



#60
Dibromochloromethane
Concen: 19.307 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009375.D
Acq: 07 May 2019 13:45

Tgt Ion: 129 Resp: 36395
Ion Ratio Lower Upper
129 100
127 78.6 38.4 115.1





#61

1,2-Dibromoethane

Concen: 19.777 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009375.D

Acq: 07 May 2019 13:45

Instrument :

MSVOA_X

ClientSampleId :

VX0507WBS02

Tot Ion:107 Resp: 38532

Ion Ratio Lower Upper

107 100

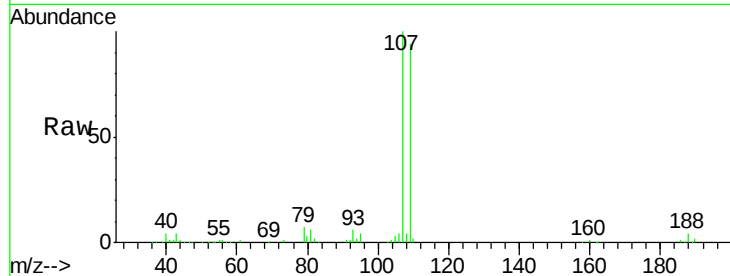
109 93.8 75.2 112.8

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

30000

25000

20000

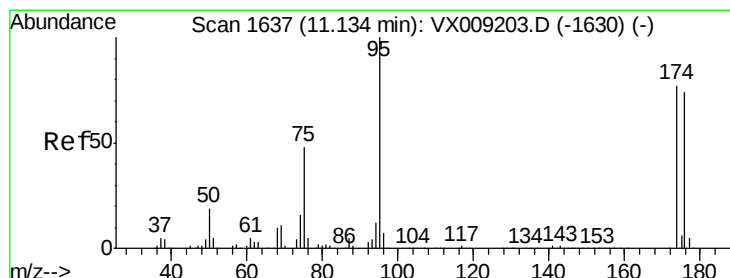
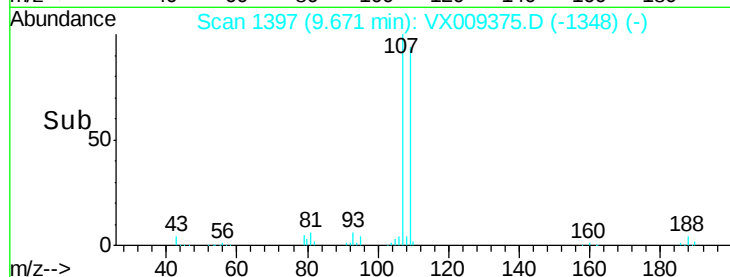
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 54.108 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009375.D

Acq: 07 May 2019 13:45

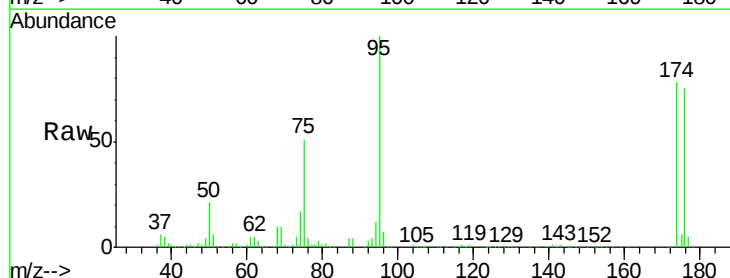
Tgt Ion: 95 Resp: 135030

Ion Ratio Lower Upper

95 100

174 82.5 0.0 161.6

176 79.9 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

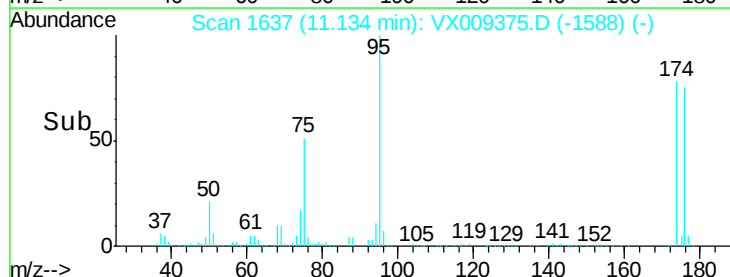
11.13

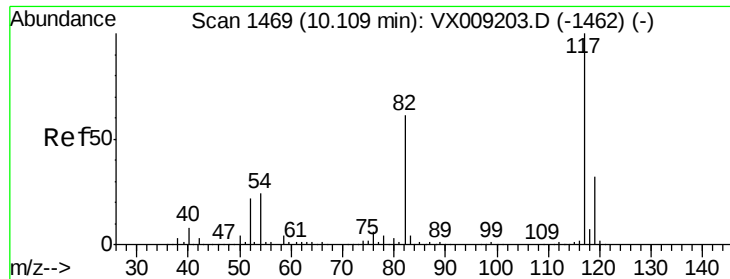
100000

50000

0

Time-->





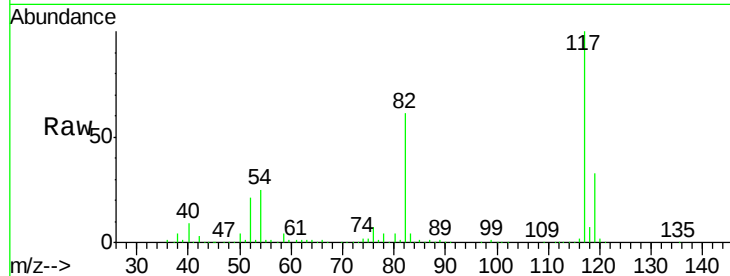
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009375.D
Acq: 07 May 2019 13:45

Instrument :
MSVOA_X
ClientSampleId :
VX0507WBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	245691		
82	60.9	48.8	73.2	
119	32.8	25.8	38.6	

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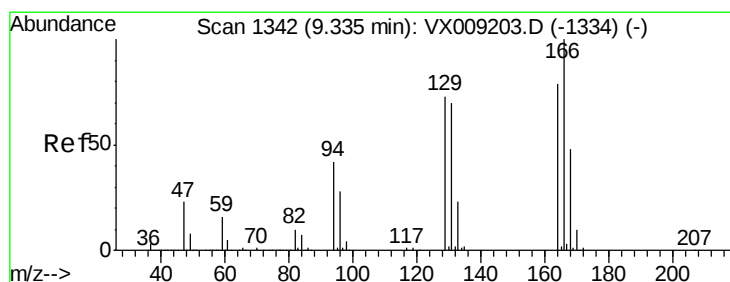
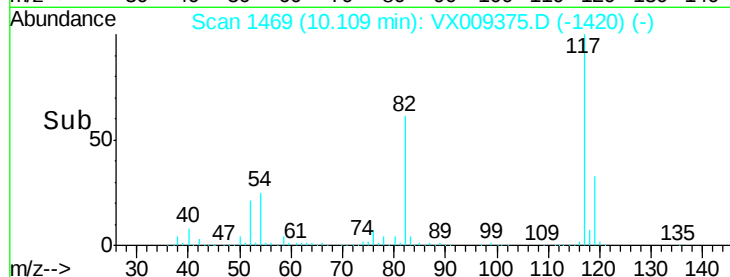
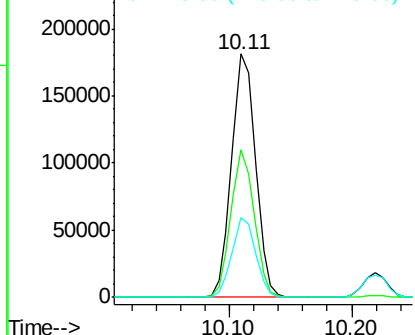


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.693 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009375.D
Acq: 07 May 2019 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	33190		
166	129.3	101.2	151.8	
129	93.9	74.3	111.5	
131	87.3	71.0	106.6	

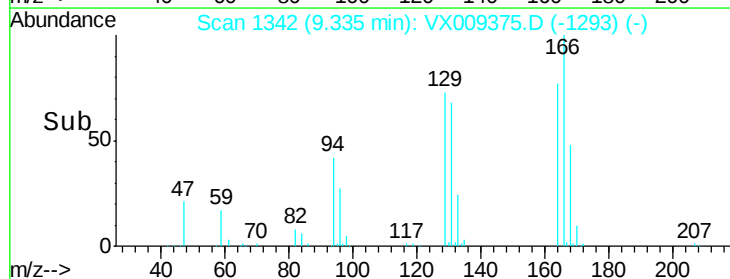
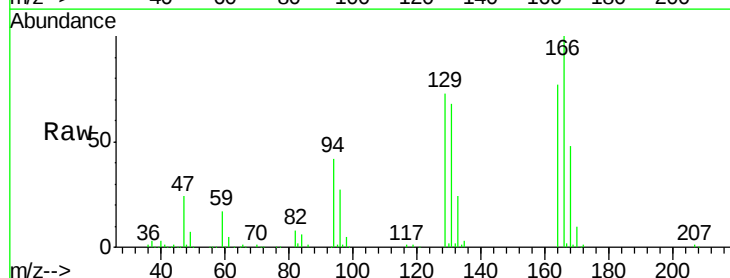
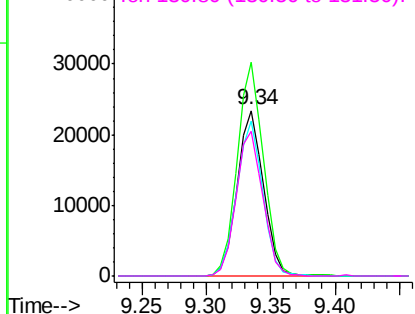
Abundance

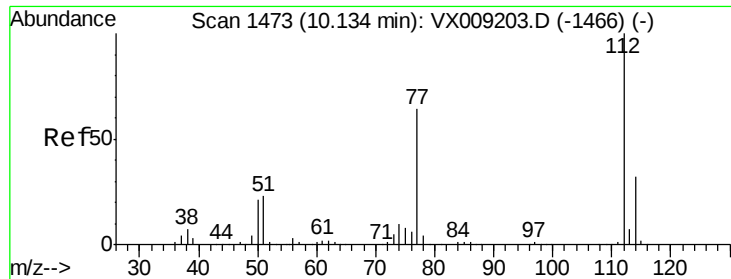
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.837 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX009375.D

Acq: 07 May 2019 13:45

Instrument :

MSVOA_X

ClientSampleId :

VX0507WBS02

Tot Ion:112 Resp: 97495

Ion Ratio Lower Upper

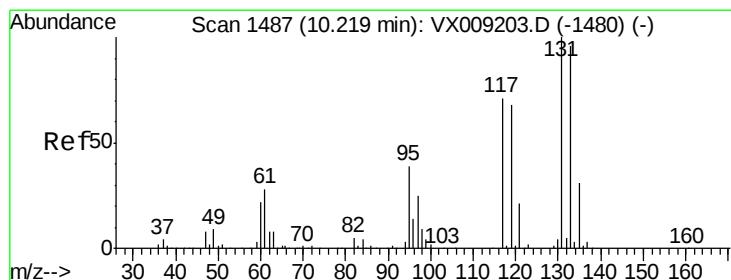
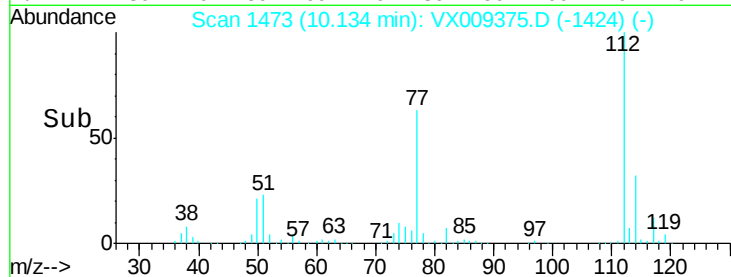
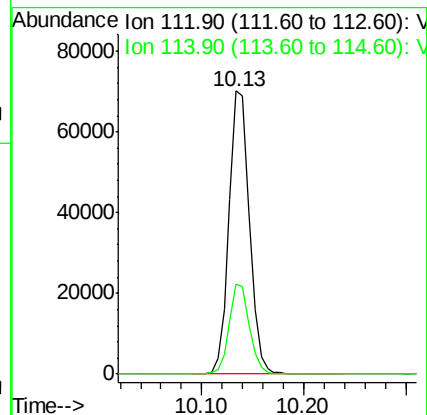
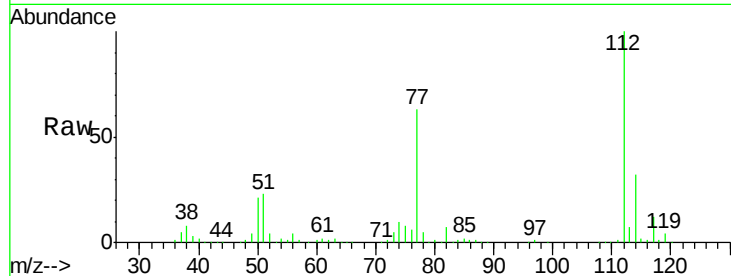
112 100

114 32.0 25.5 38.3

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 19.325 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009375.D

Acq: 07 May 2019 13:45

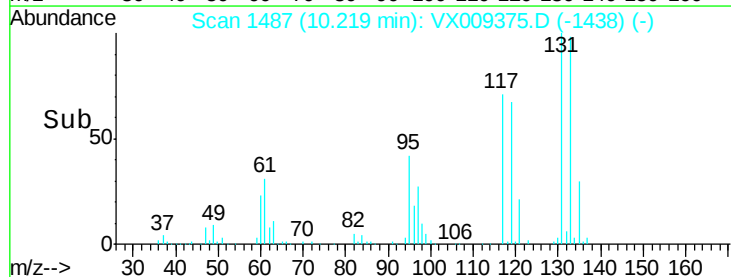
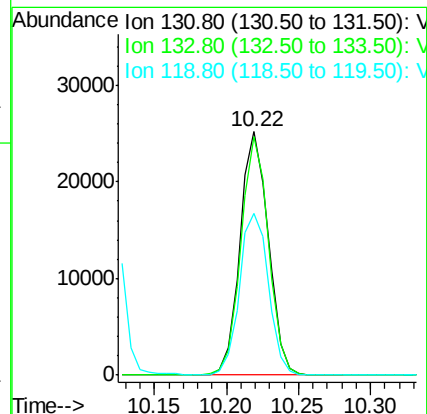
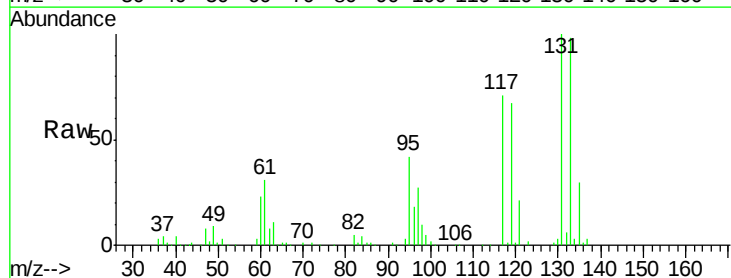
Tgt Ion:131 Resp: 34434

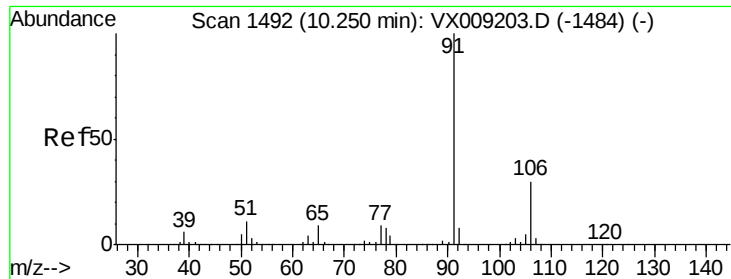
Ion Ratio Lower Upper

131 100

133 95.8 47.7 143.1

119 68.4 33.5 100.4





#67

Ethyl Benzene

Concen: 19.536 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009375.D

Acq: 07 May 2019 13:45

Instrument :

MSVOA_X

ClientSampled :

VX0507WBS02

Tot Ion: 91 Resp: 176712

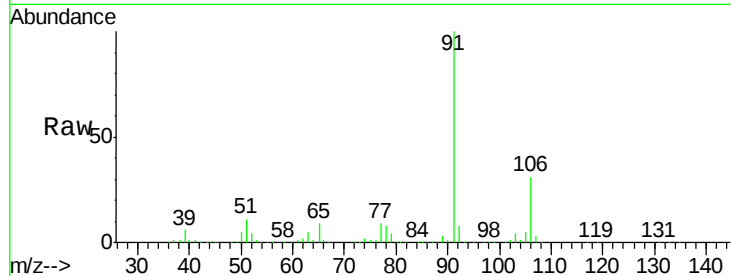
Ion Ratio Lower Upper

91 100

106 31.3 24.0 36.0

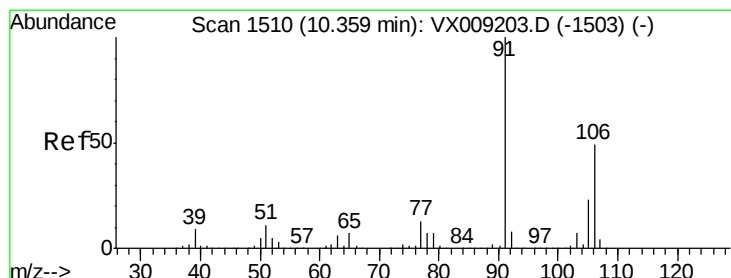
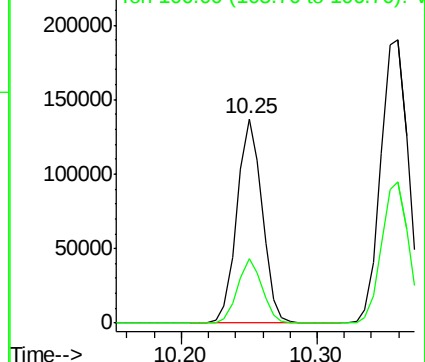
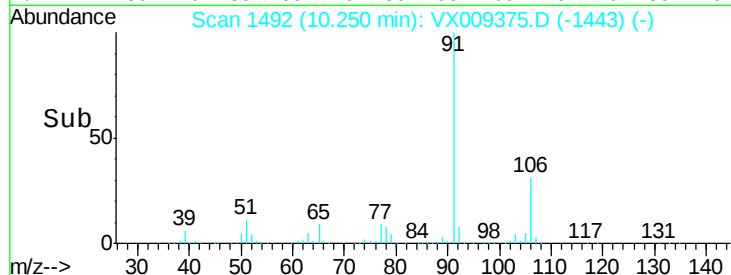
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Abundance Ion 91.00 (90.70 to 91.70): VX009375.D (-1443) (-)

Ion 106.00 (105.70 to 106.70): VX009375.D (-1443) (-)



#68

m/p-Xylenes

Concen: 39.624 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009375.D

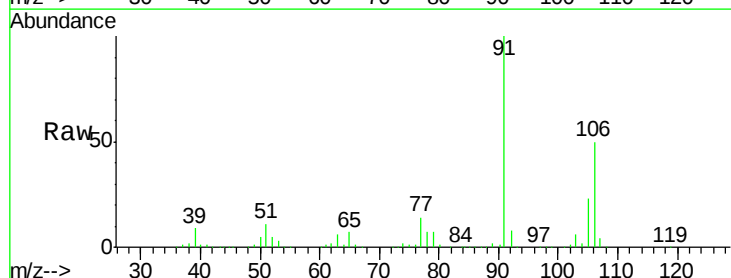
Acq: 07 May 2019 13:45

Tgt Ion: 106 Resp: 130976

Ion Ratio Lower Upper

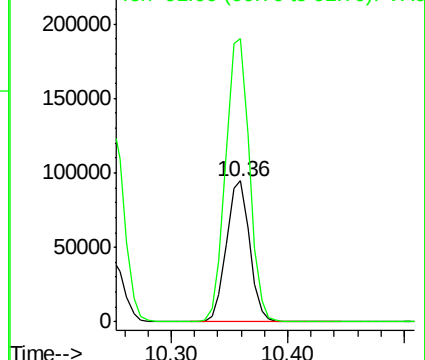
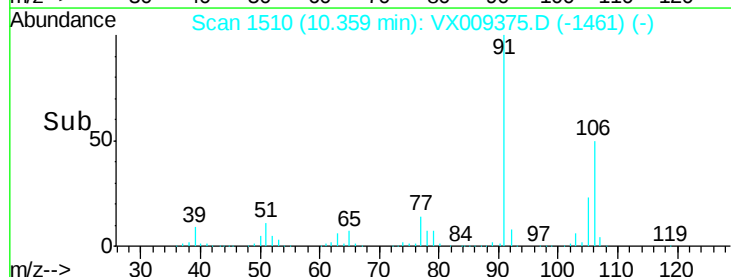
106 100

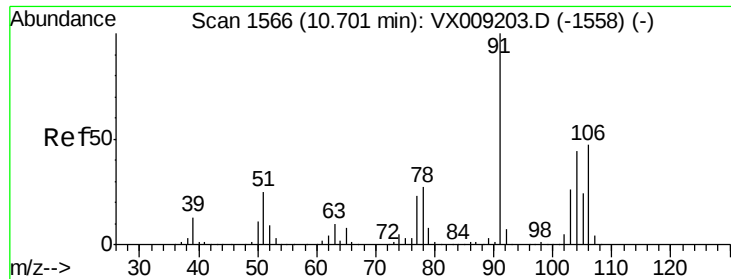
91 205.6 164.0 246.0



Abundance Ion 106.00 (105.70 to 106.70): VX009375.D (-1461) (-)

Ion 91.00 (90.70 to 91.70): VX009375.D (-1461) (-)





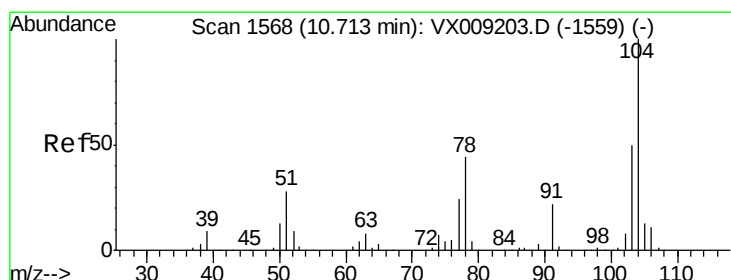
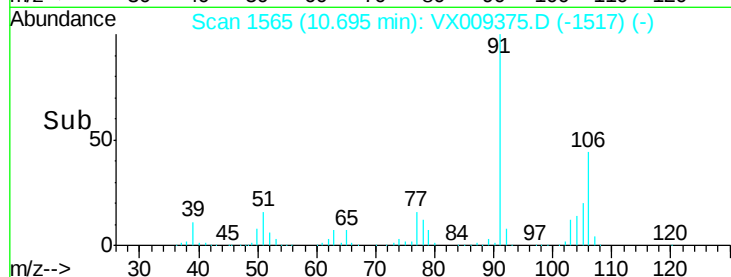
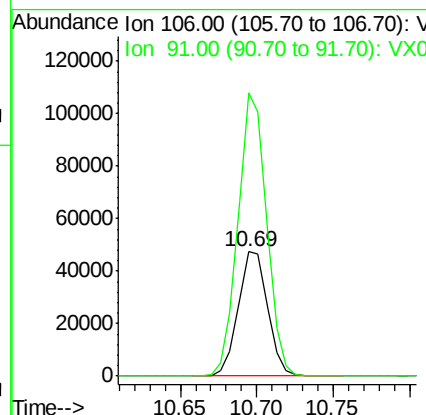
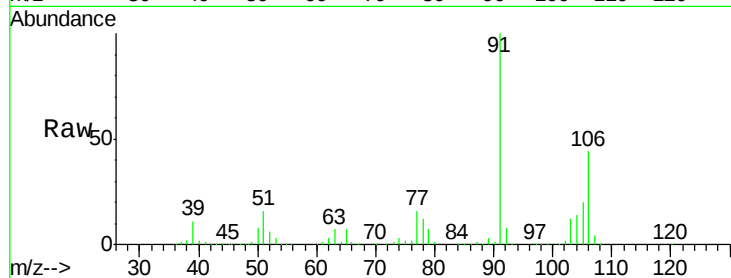
#69
o-Xylene
Concen: 19.388 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009375.D
Acq: 07 May 2019 13:45

Instrument :
MSVOA_X
ClientSampleId :
VX0507WBS02

Tot Ion:106 Resp: 63232
Ion Ratio Lower Upper
106 100
91 221.6 109.5 328.4

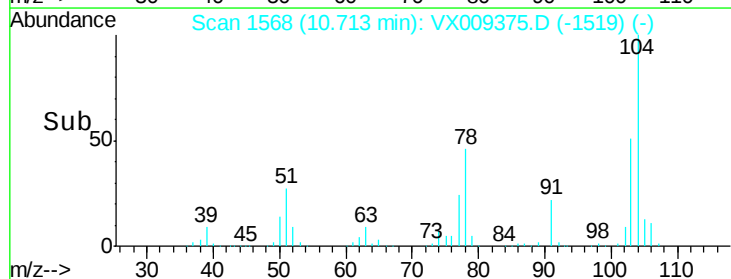
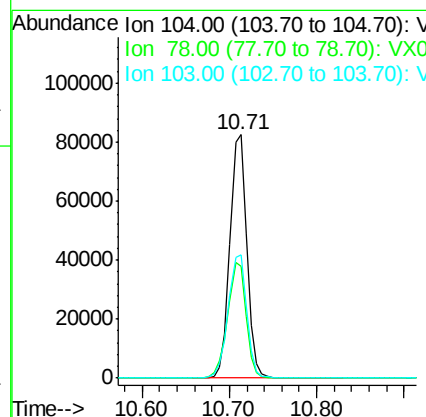
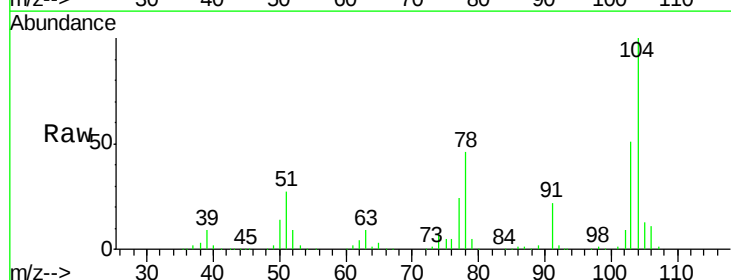
Manual Integrations
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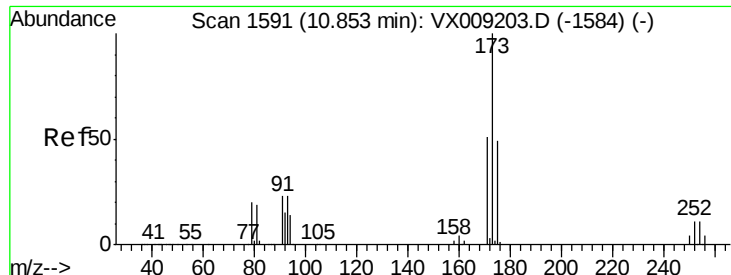
MMDadoda
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#70
Styrene
Concen: 19.557 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009375.D
Acq: 07 May 2019 13:45

Tgt Ion:104 Resp: 110859
Ion Ratio Lower Upper
104 100
78 51.7 41.0 61.4
103 55.6 43.8 65.6





#71

Bromoform

Concen: 19.037 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009375.D

Acq: 07 May 2019 13:45

Instrument :

MSVOA_X

ClientSampleId :

VX0507WBS02

Tot Ion:173 Resp: 27566

Ion Ratio Lower Upper

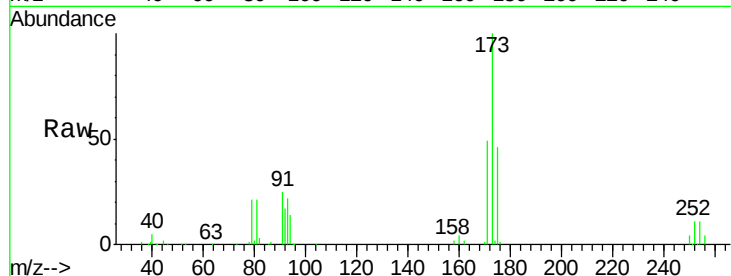
173 100

175 47.9 24.5 73.5

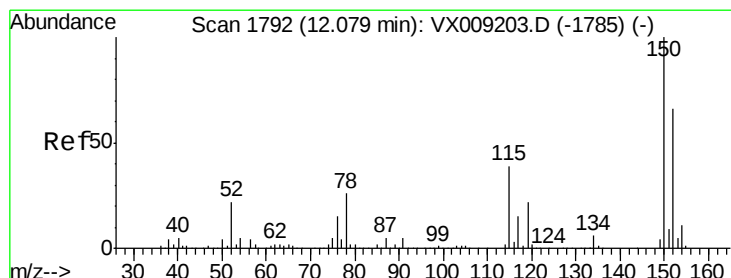
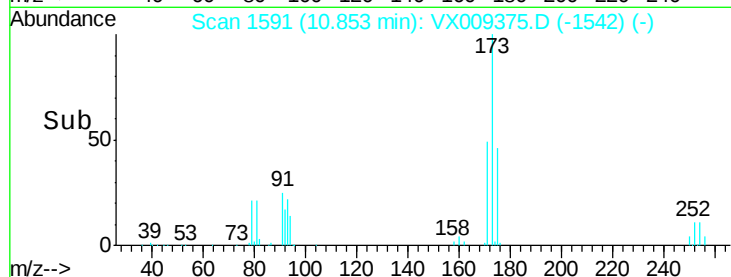
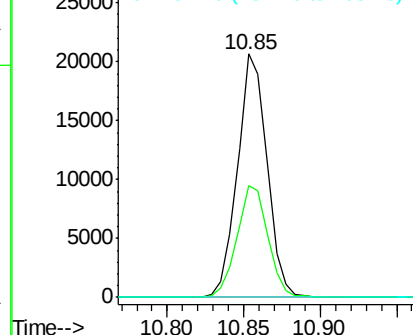
254 0.0 0.1 0.1#

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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: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009375.D

Acq: 07 May 2019 13:45

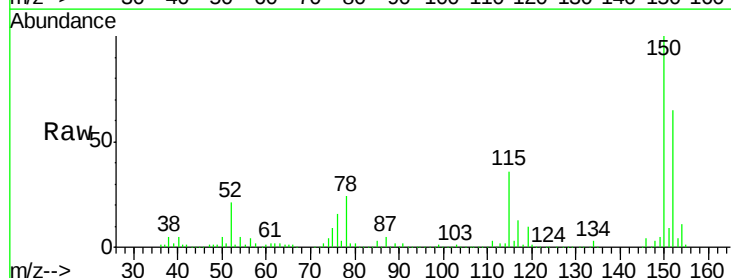
Tgt Ion:152 Resp: 122624

Ion Ratio Lower Upper

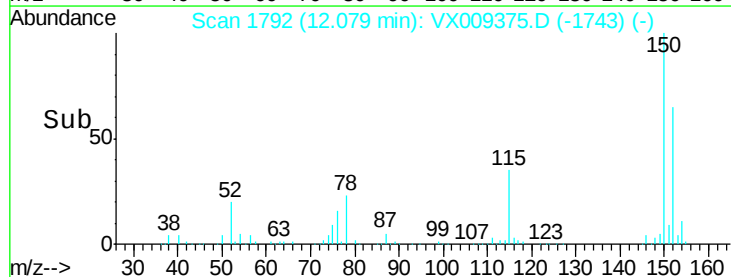
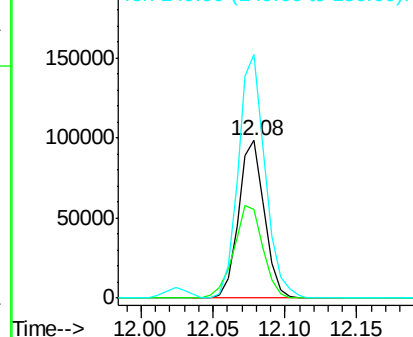
152 100

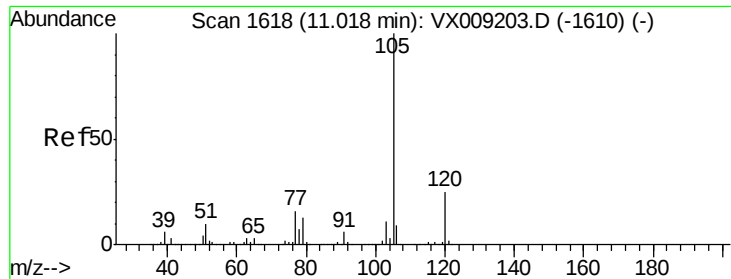
115 66.9 41.2 123.6

150 162.1 0.0 346.4



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: 19.451 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009375.D

Acq: 07 May 2019 13:45

Instrument :

MSVOA_X

ClientSampleId :

VX0507WBS02

Tot Ion: 105 Resp: 173449

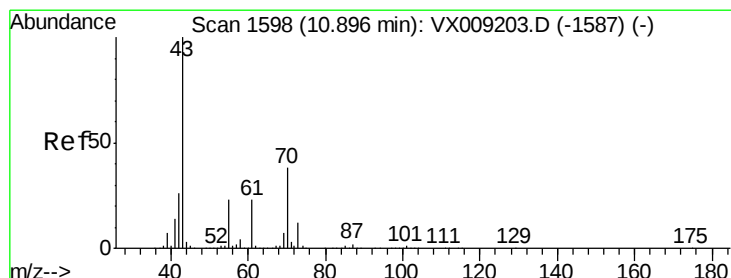
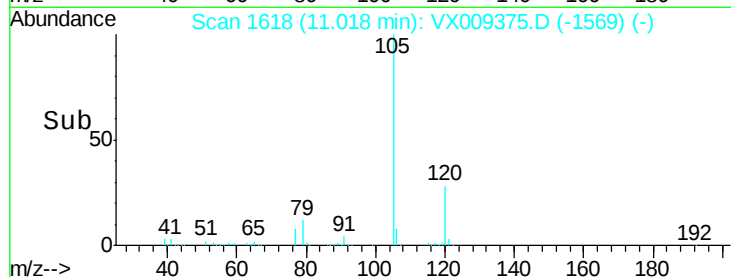
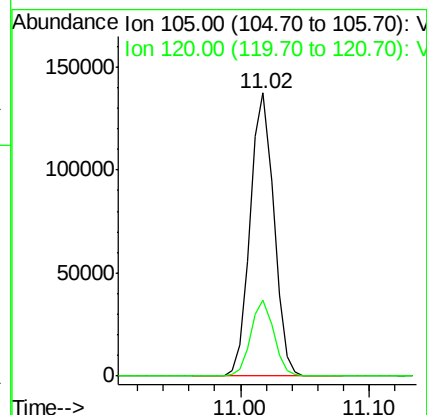
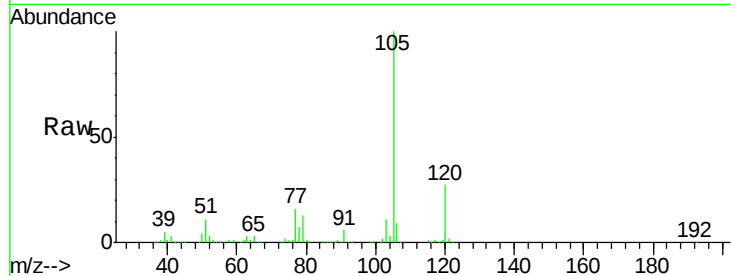
Ion Ratio Lower Upper

105 100

120 25.9 12.8 38.3

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#74

N-ethyl acetate

Concen: 18.874 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009375.D

Acq: 07 May 2019 13:45

Tgt Ion: 43 Resp: 98123

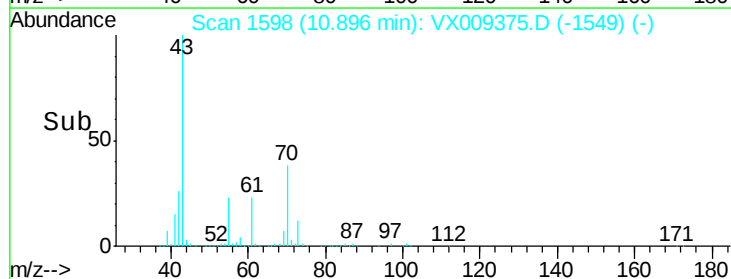
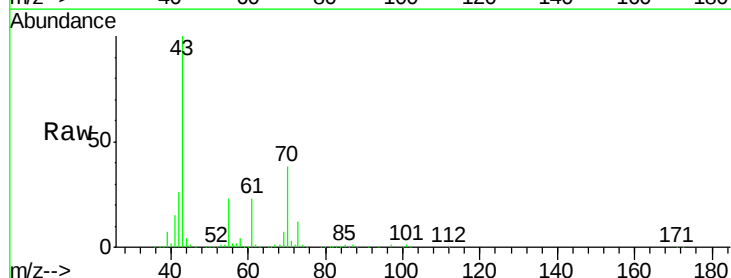
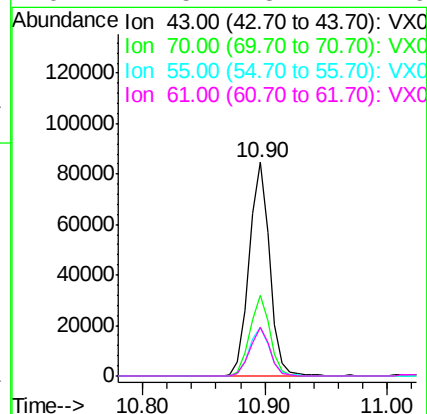
Ion Ratio Lower Upper

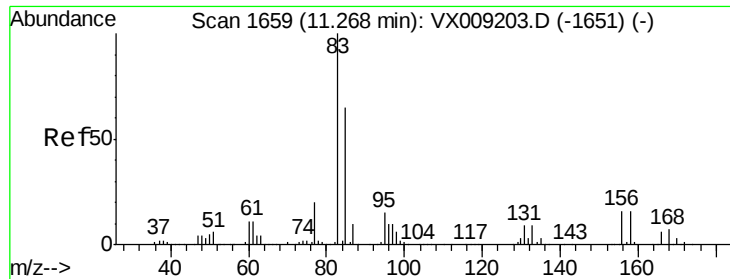
43 100

70 37.3 30.0 45.0

55 23.0 17.9 26.9

61 22.5 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.044 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009375.D

Acq: 07 May 2019 13:45

Instrument :

MSVOA_X

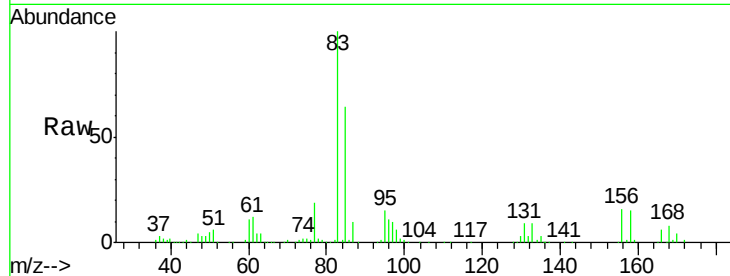
ClientSampled :

VX0507WBS02

Tot Ion:	83	Resp:	63306
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.6	13.8
85	63.5	32.0	96.2

Manual Integrations
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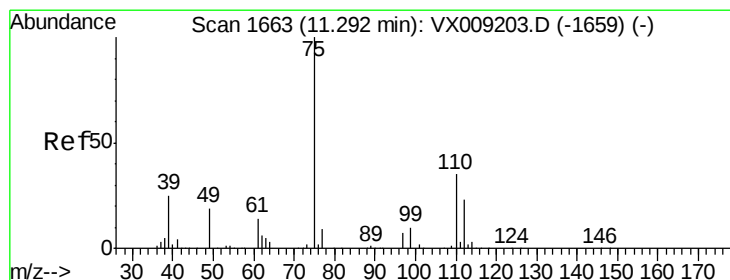
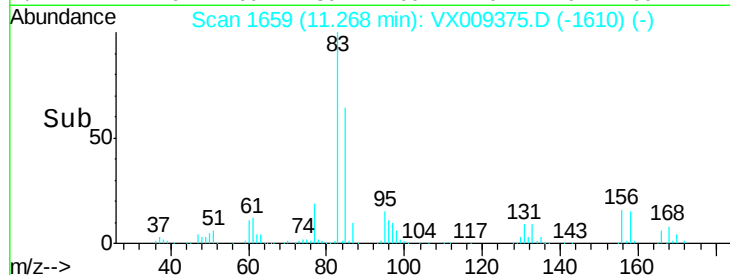
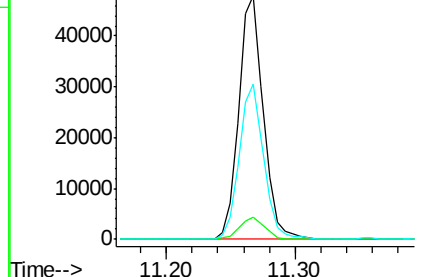
MMDadoda
5/8/2019 10:10:40 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 18.995 ug/l m

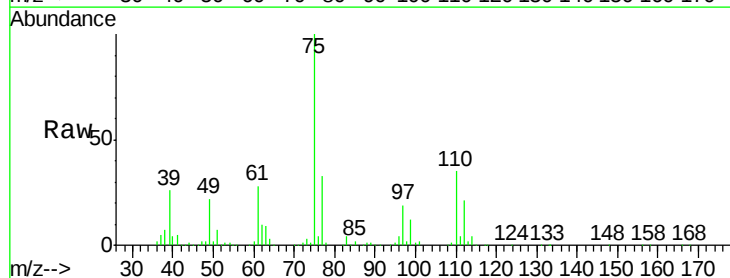
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009375.D

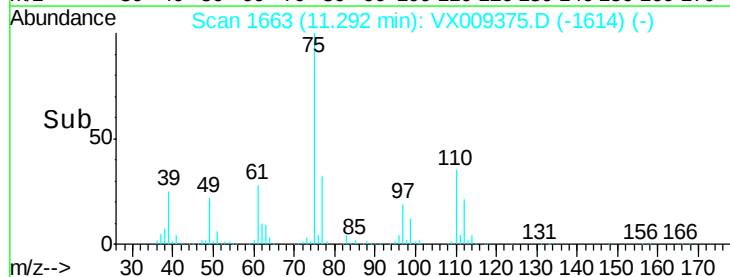
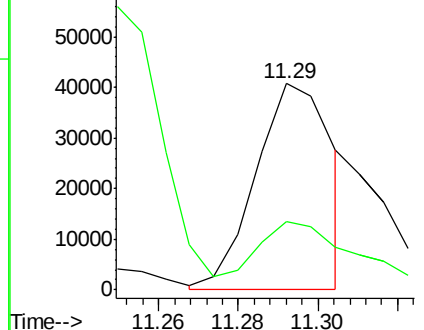
Acq: 07 May 2019 13:45

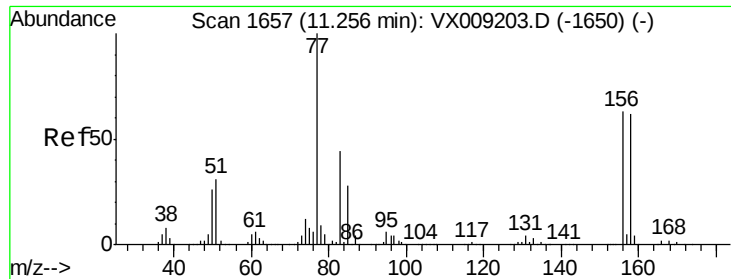
Tgt Ion:	75	Resp:	54030
Ion Ratio	Lower	Upper	
75	100		
77	43.9	22.1	66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.210 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009375.D

Acq: 07 May 2019 13:45

Instrument :

MSVOA_X

ClientSampleId :

VX0507WBS02

Tot Ion:156 Resp: 42517

Ion Ratio Lower Upper

156 100

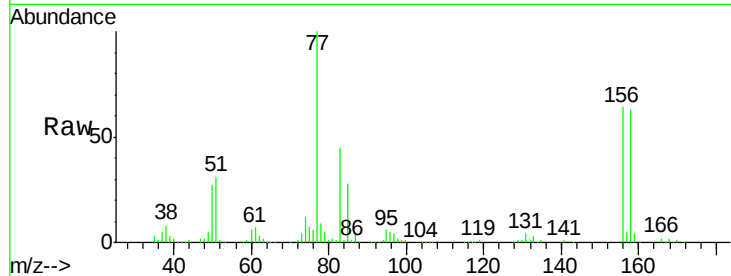
77 167.4 84.8 254.3

158 98.2 49.1 147.3

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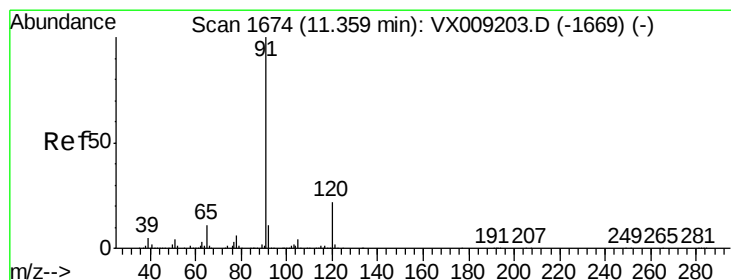
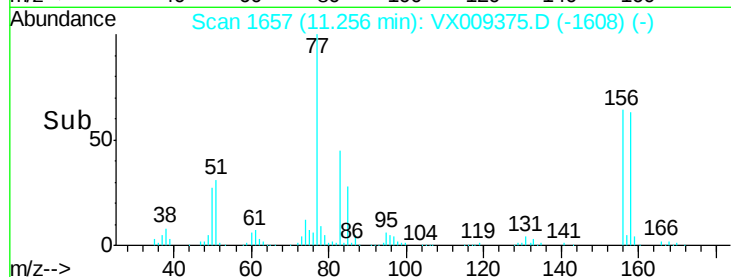
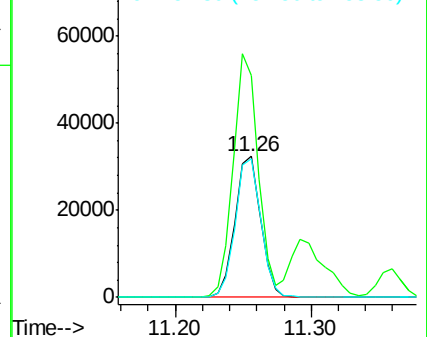
5/8/2019 10:10:40 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.493 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009375.D

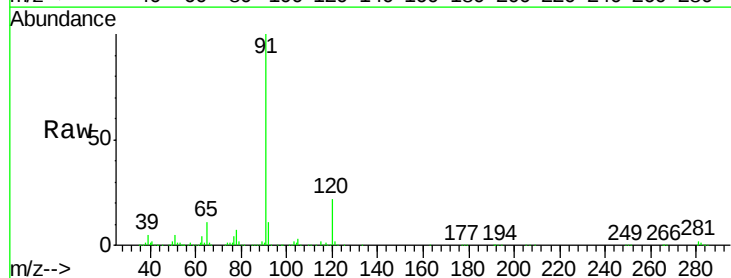
Acq: 07 May 2019 13:45

Tgt Ion: 91 Resp: 198508

Ion Ratio Lower Upper

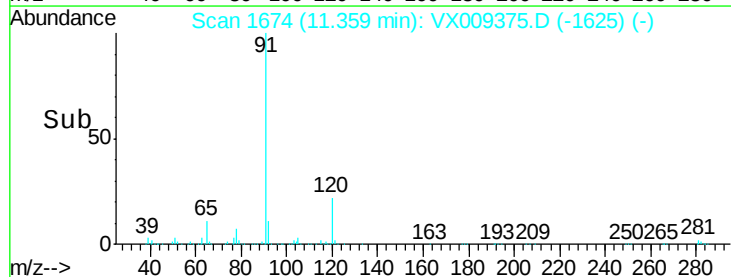
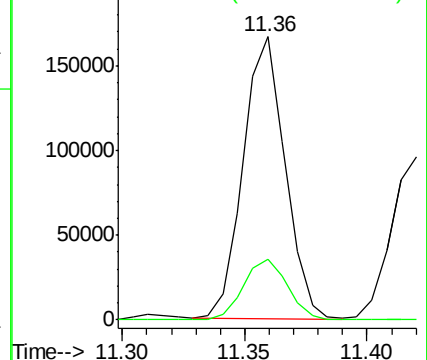
91 100

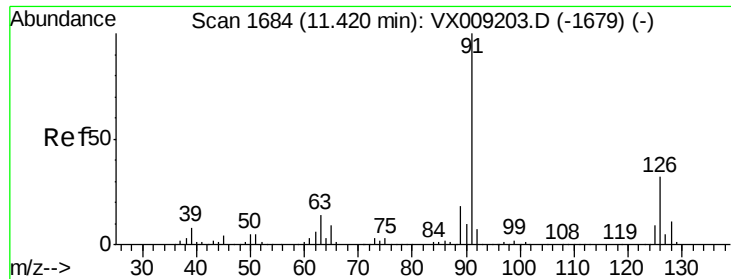
120 22.5 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.979 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009375.D

Acq: 07 May 2019 13:45

Instrument :

MSVOA_X

ClientSampleId :

VX0507WBS02

Tot Ion: 91 Resp: 119240

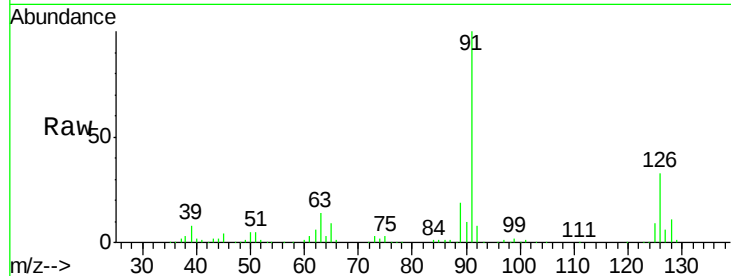
Ion Ratio Lower Upper

91 100

126 32.7 16.3 48.9

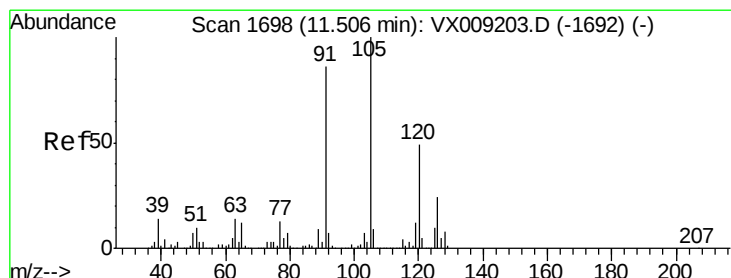
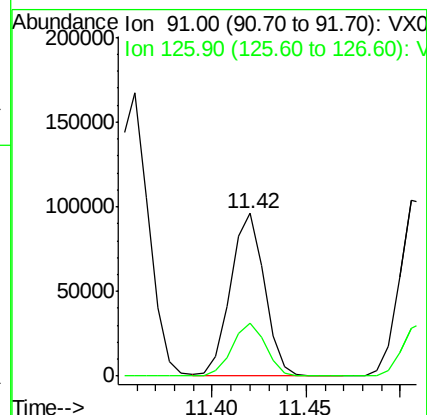
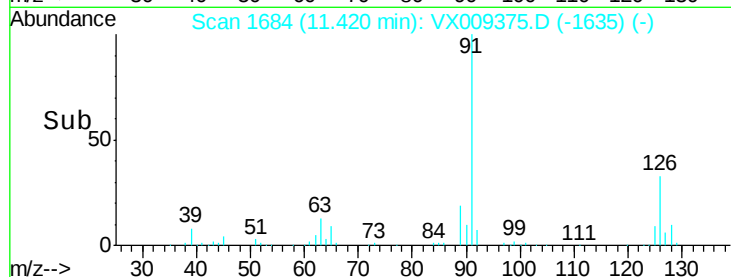
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Abundance Ion 91.00 (90.70 to 91.70): VX009375.D (-1635) (-)

Ion 125.90 (125.60 to 126.60): VX009375.D (-1635) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.808 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009375.D

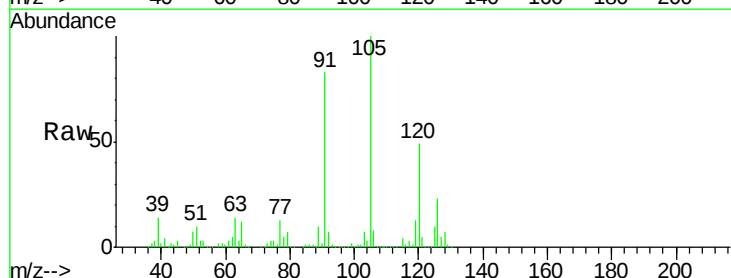
Acq: 07 May 2019 13:45

Tgt Ion: 105 Resp: 148725

Ion Ratio Lower Upper

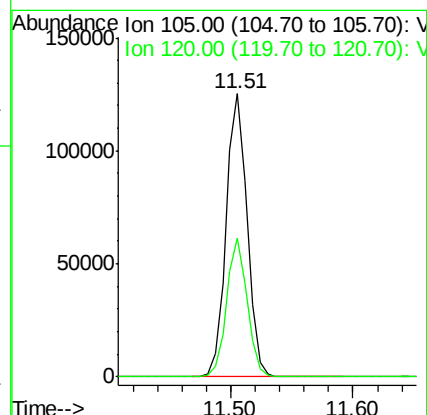
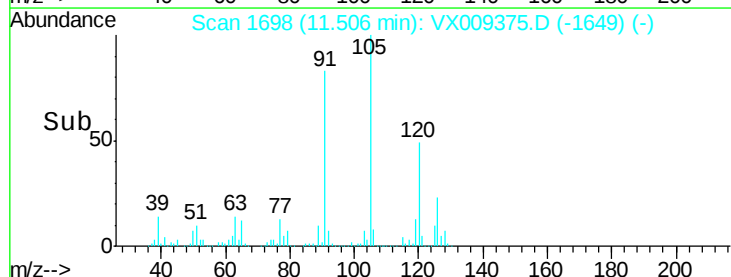
105 100

120 47.7 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009375.D (-1649) (-)

Ion 120.00 (119.70 to 120.70): VX009375.D (-1649) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.901 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009375.D

Acq: 07 May 2019 13:45

Instrument :

MSVOA_X

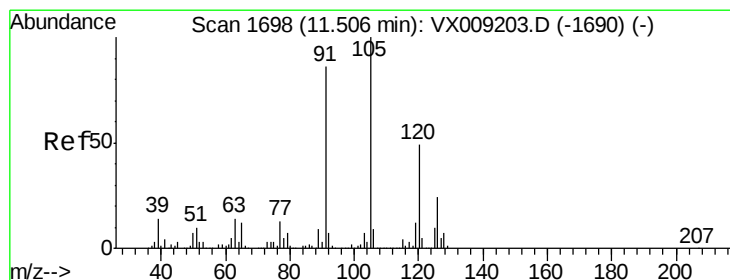
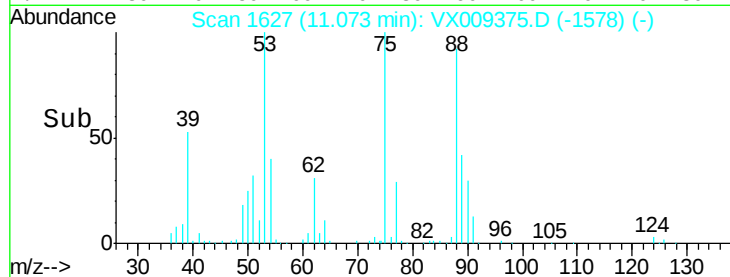
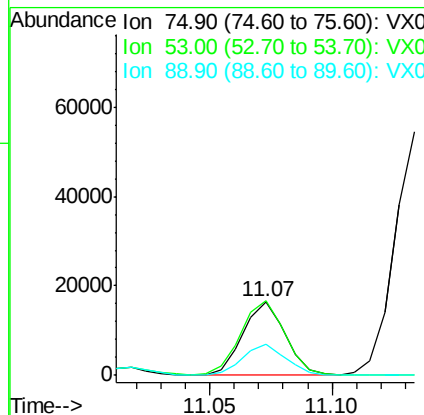
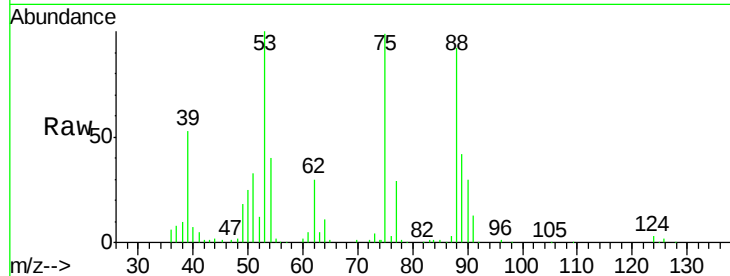
ClientSampled :

VX0507WBS02

Tot Ion:	75	Resp:	19901
Ion Ratio	Lower	Upper	
75	100		
53	107.3	79.0	118.6
89	43.6	34.7	52.1

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#82

4-Chlorotoluene

Concen: 19.226 ug/l

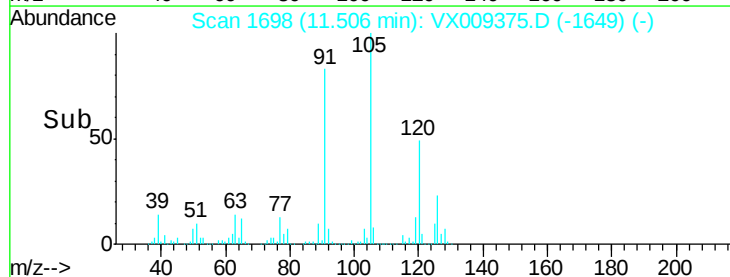
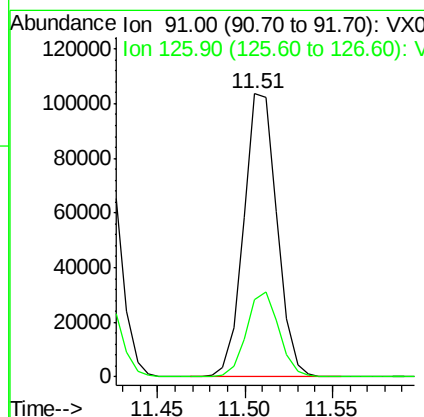
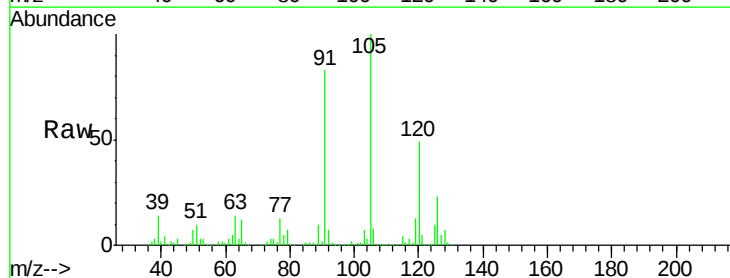
RT: 11.51 min Scan# 1698

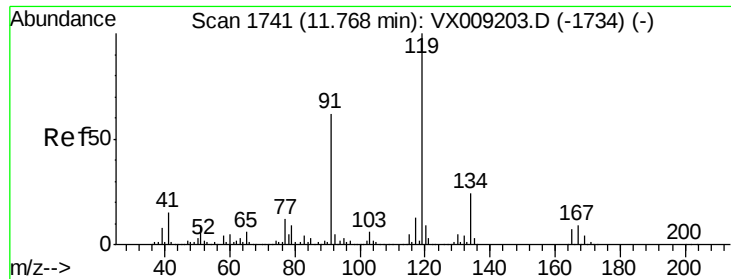
Delta R.T. -0.00 min

Lab File: VX009375.D

Acq: 07 May 2019 13:45

Tgt Ion:	91	Resp:	136463
Ion Ratio	Lower	Upper	
91	100		
126	29.3	14.5	43.6





#83

tert-Butylbenzene

Concen: 19.331 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX009375.D

Acq: 07 May 2019 13:45

Instrument :

MSVOA_X

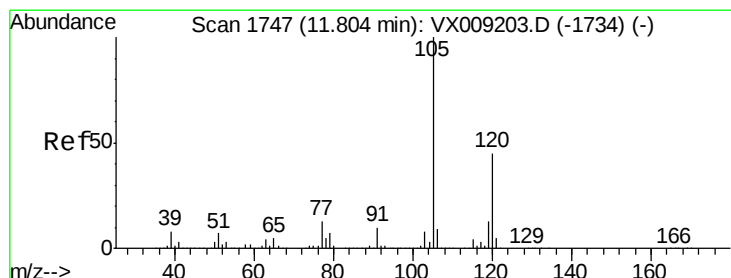
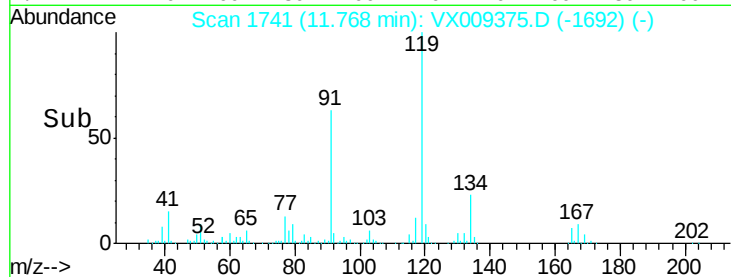
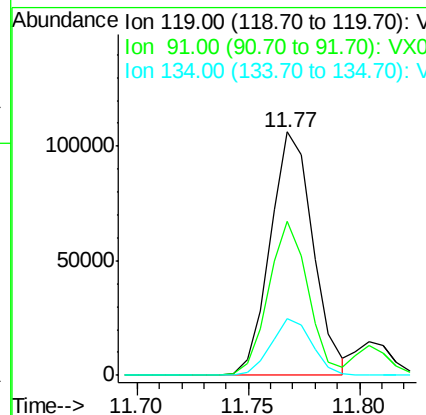
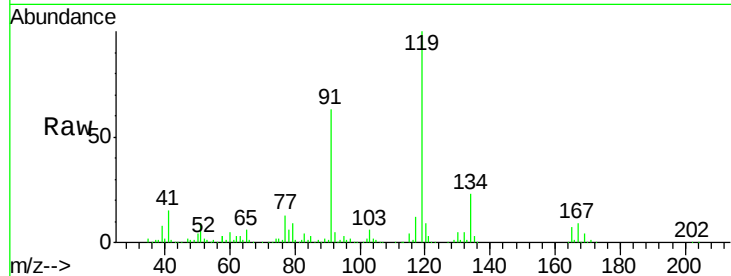
ClientSampled :

VX0507WBS02

Tot Ion:	119	Resp:	141189
Ion Ratio	Lower	Upper	
119	100		
91	59.2	29.5	88.5
134	22.3	11.4	34.1

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 19.693 ug/l

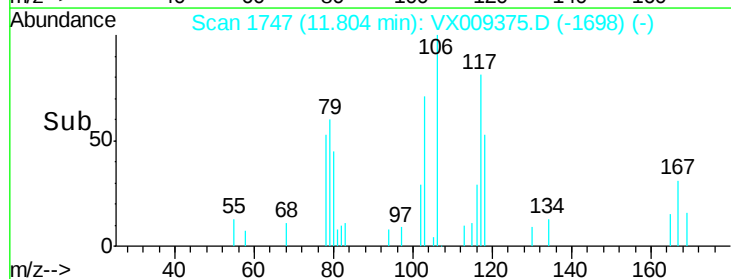
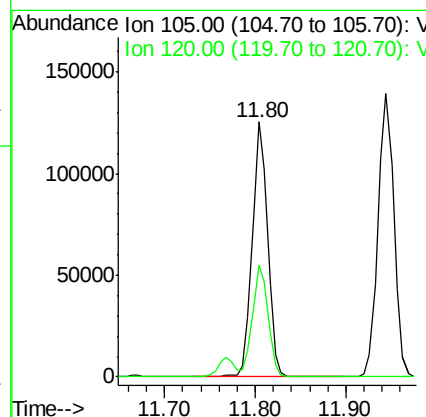
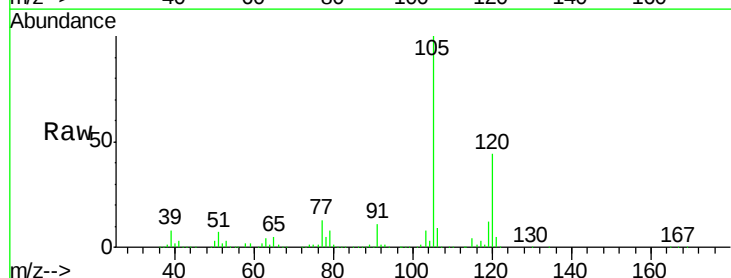
RT: 11.80 min Scan# 1747

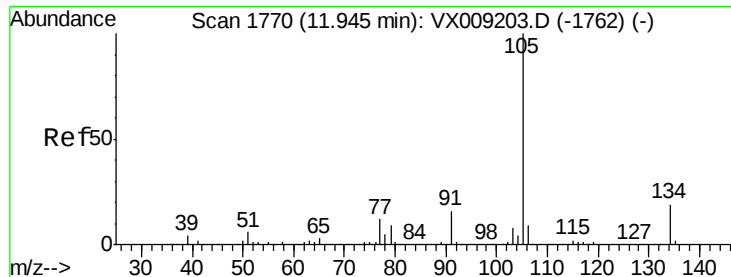
Delta R.T. -0.00 min

Lab File: VX009375.D

Acq: 07 May 2019 13:45

Tgt Ion:	105	Resp:	148411
Ion Ratio	Lower	Upper	
105	100		
120	43.9	22.0	66.0





#85

sec-Butylbenzene

Concen: 19.582 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009375.D

Acq: 07 May 2019 13:45

Instrument :

MSVOA_X

ClientSampleId :

VX0507WBS02

Tot Ion:105 Resp: 169571

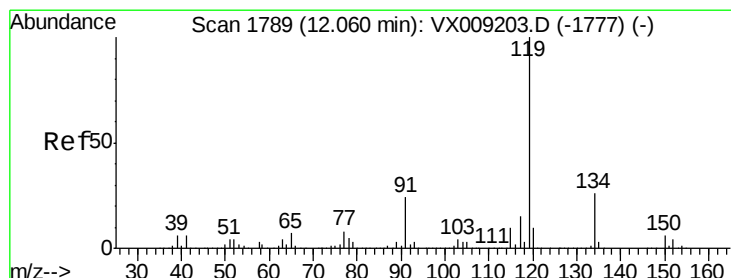
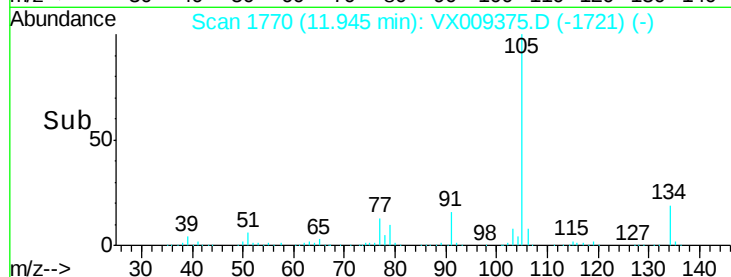
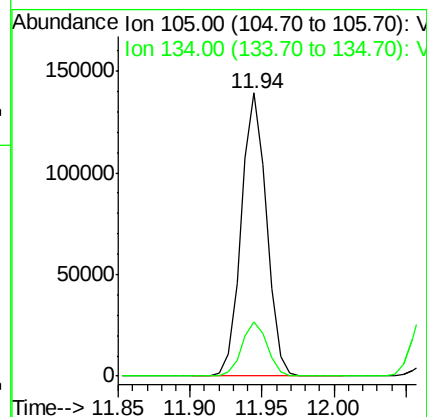
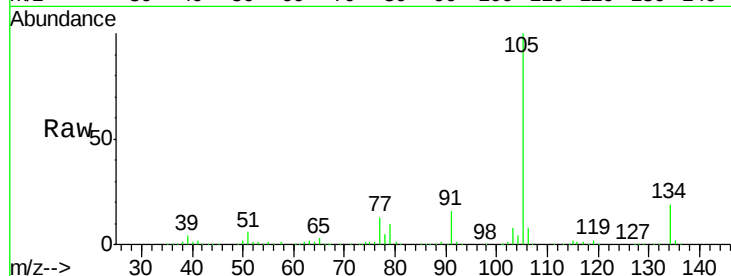
Ion Ratio Lower Upper

105 100

134 19.4 9.7 28.9

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 19.941 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009375.D

Acq: 07 May 2019 13:45

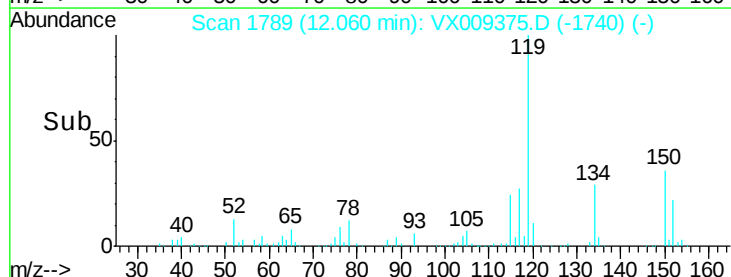
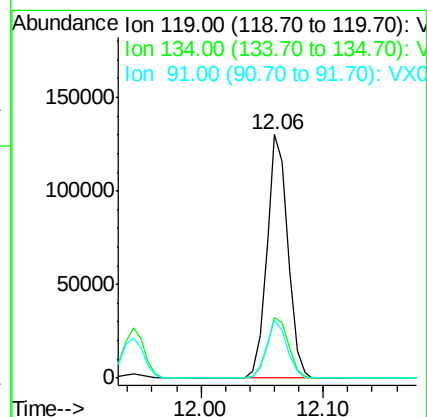
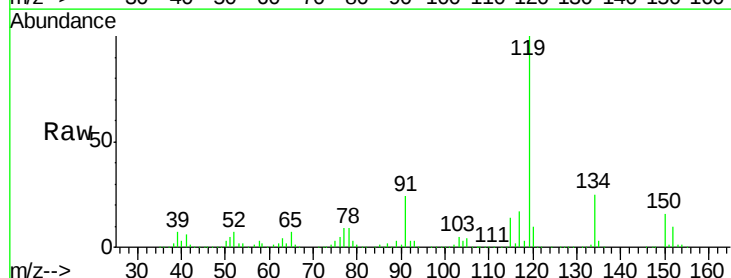
Tgt Ion:119 Resp: 155239

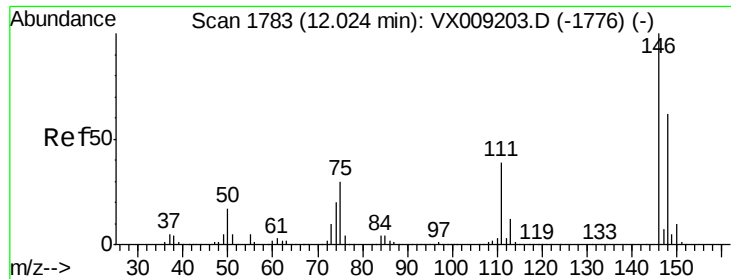
Ion Ratio Lower Upper

119 100

134 25.5 12.9 38.7

91 23.5 11.8 35.4





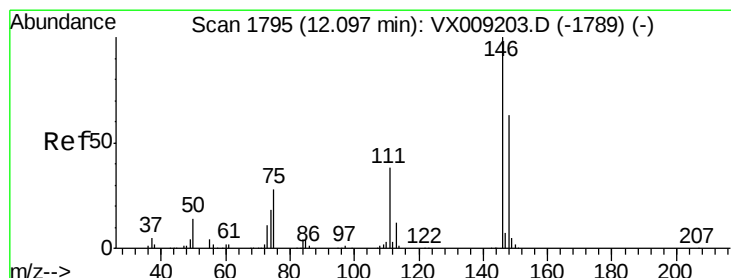
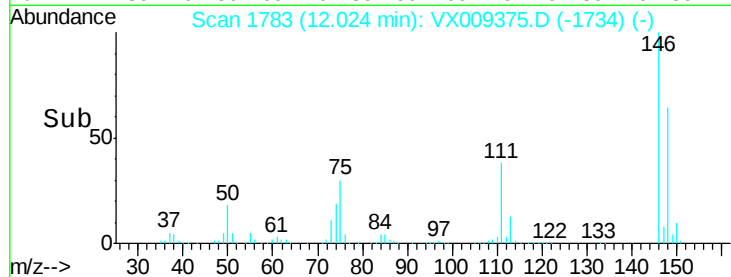
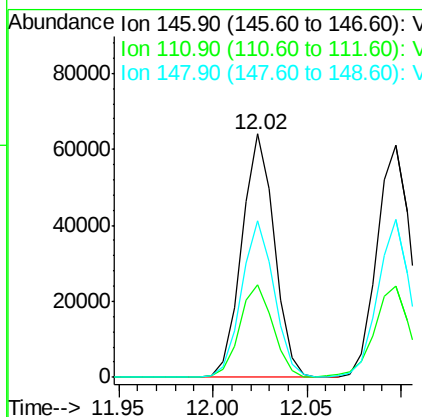
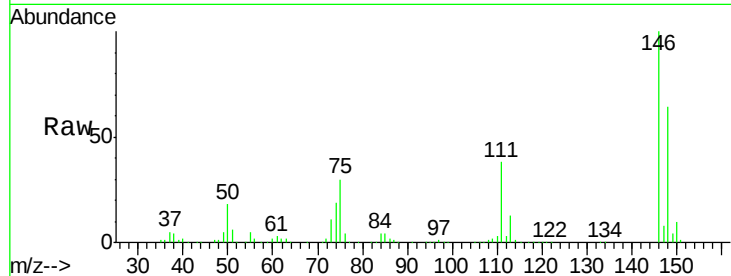
#87
 1,3-Dichlorobenzene
 Concen: 19.489 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009375.D
 Acq: 07 May 2019 13:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0507WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.0	59.9
148	64.2	31.8	95.3

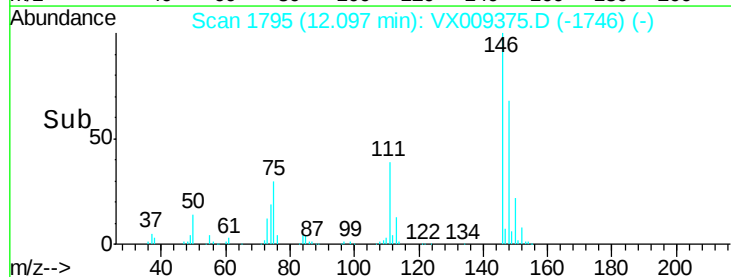
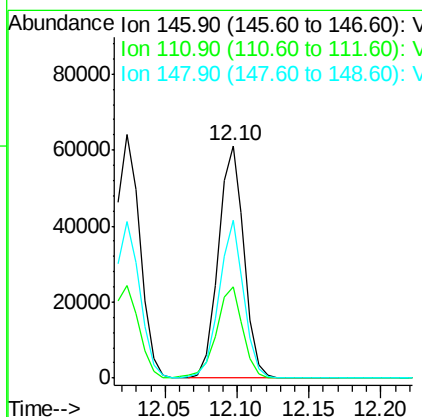
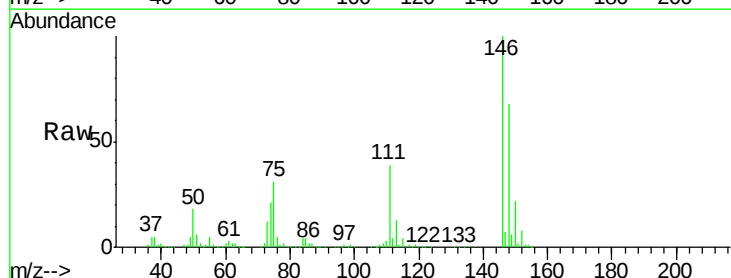
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 19.165 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009375.D
 Acq: 07 May 2019 13:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.6	58.8
148	65.0	31.8	95.3





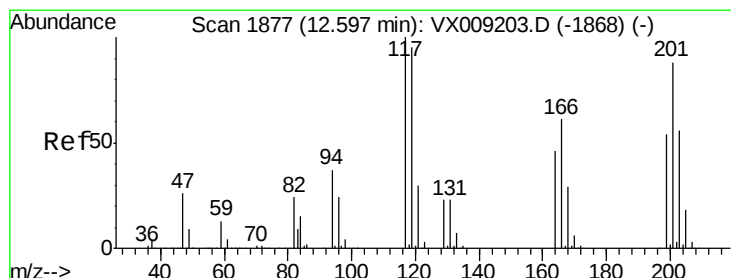
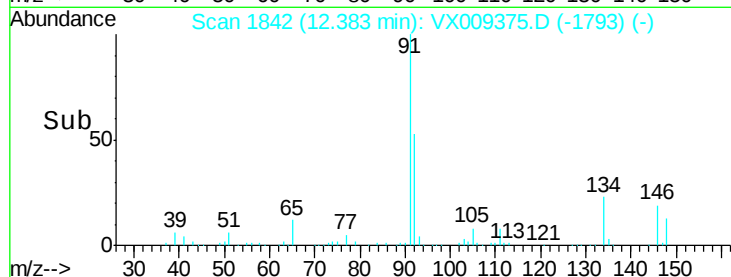
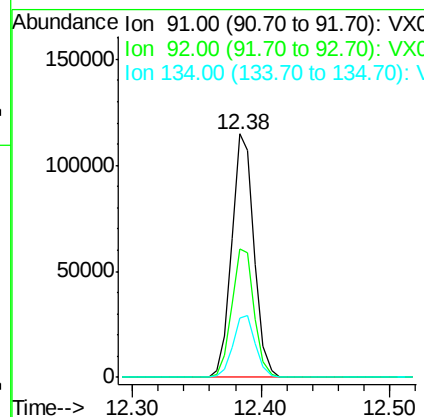
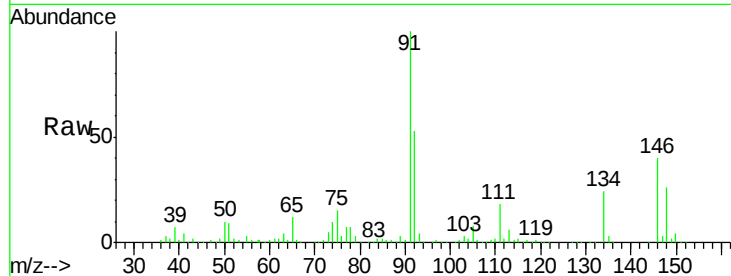
#89
n-Butylbenzene
Concen: 19.884 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009375.D
Acq: 07 May 2019 13:45

Instrument :
MSVOA_X
ClientSampleId :
VX0507WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.5	79.5
134	25.5	12.4	37.2

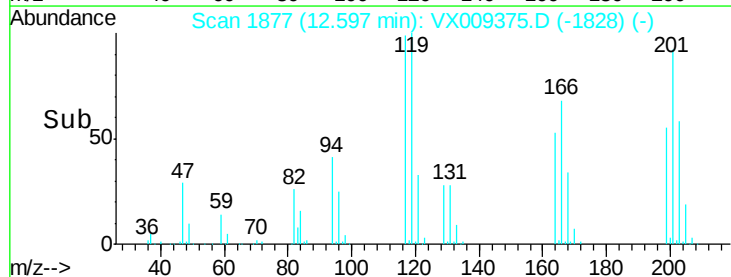
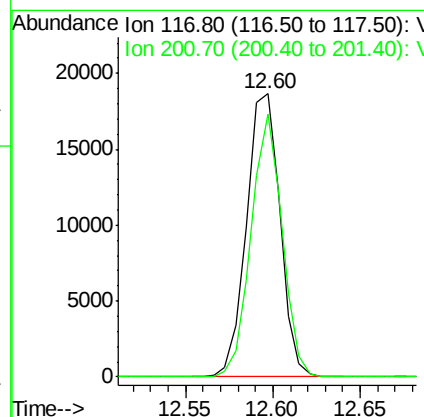
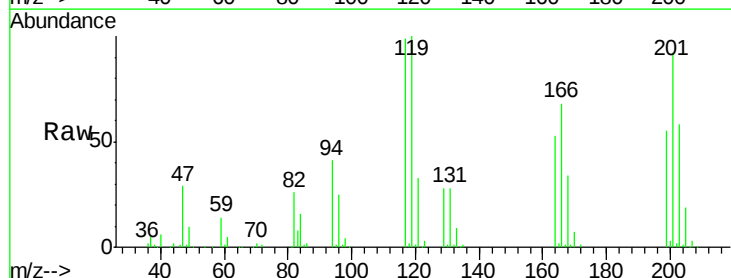
Manual Integrations
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#90
Hexachloroethane
Concen: 18.820 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009375.D
Acq: 07 May 2019 13:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.9	42.3	126.9





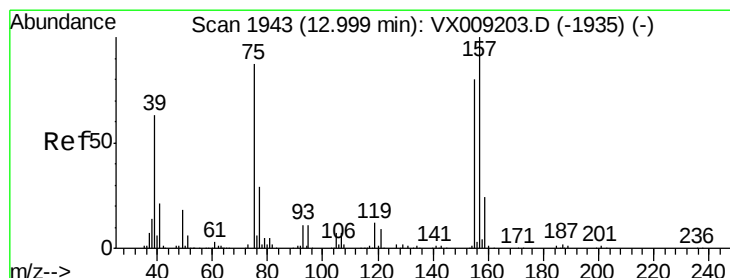
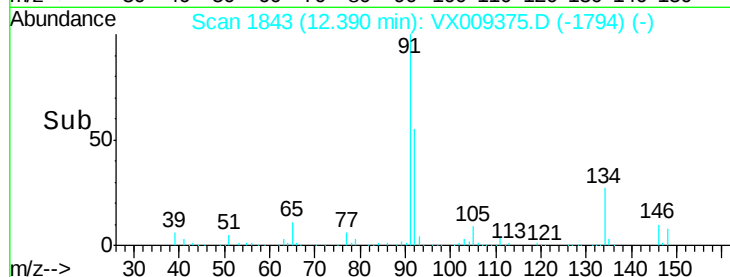
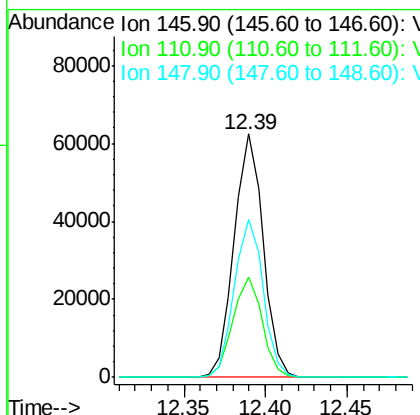
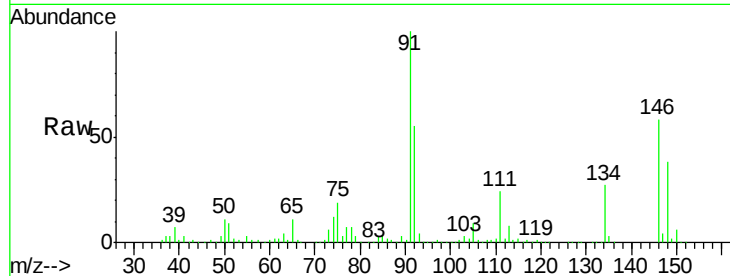
#91
 1,2-Dichlorobenzene
 Concen: 19.282 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009375.D
 Acq: 07 May 2019 13:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0507WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.8	62.4
148	64.6	31.9	95.9

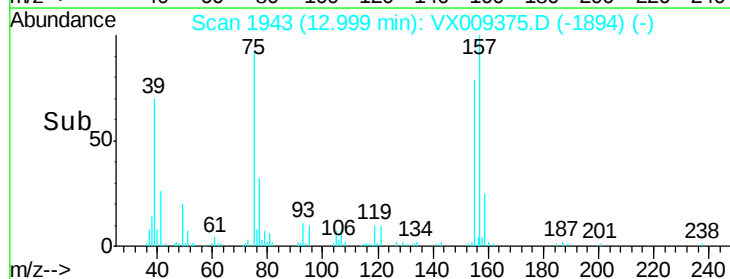
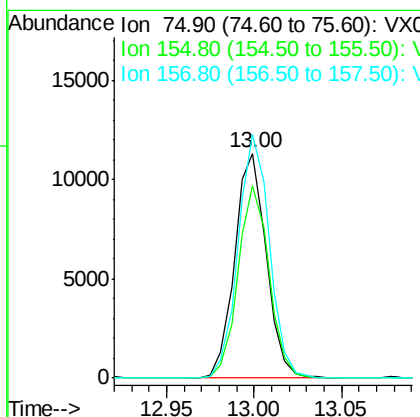
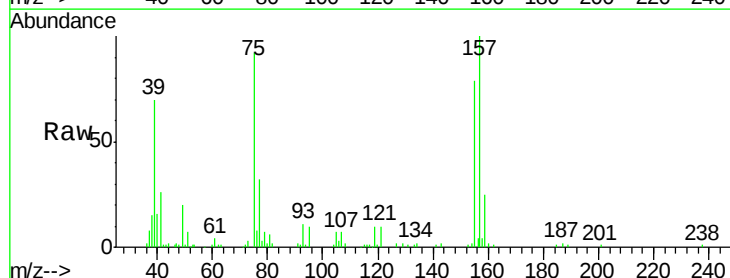
Manual Integrations
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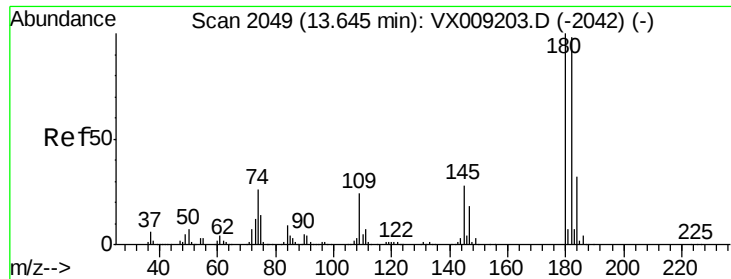
MMDadoda
 5/8/2019 10:10:40 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.032 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009375.D
 Acq: 07 May 2019 13:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.6	42.0	126.0
157	107.1	53.2	159.6





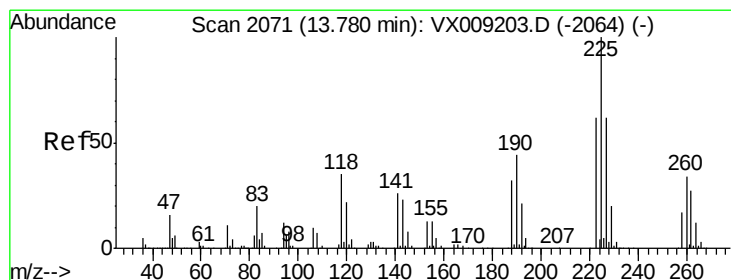
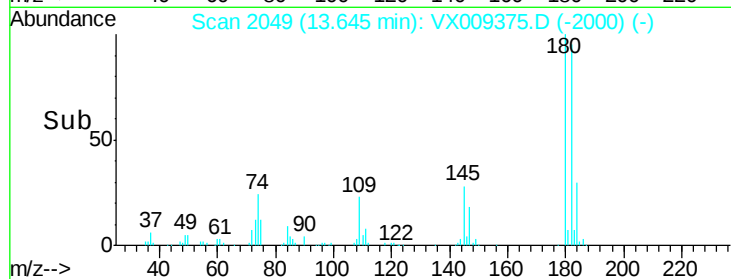
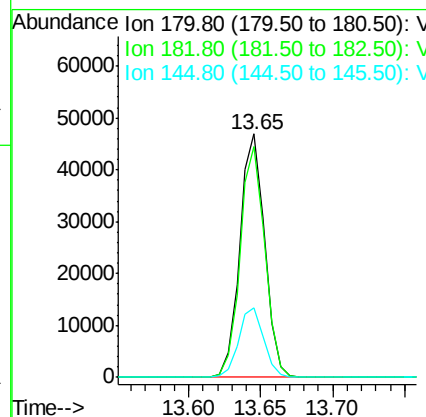
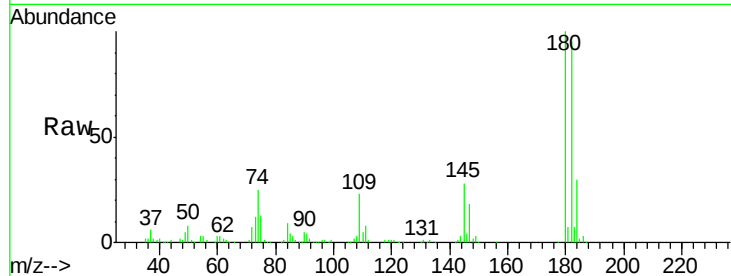
#93
 1,2,4-Trichlorobenzene
 Concen: 20.547 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009375.D
 Acq: 07 May 2019 13:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0507WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	56465		
182	94.6		48.4	145.2
145	28.9		14.6	43.8

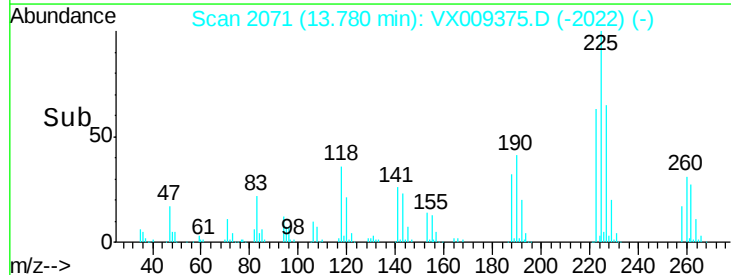
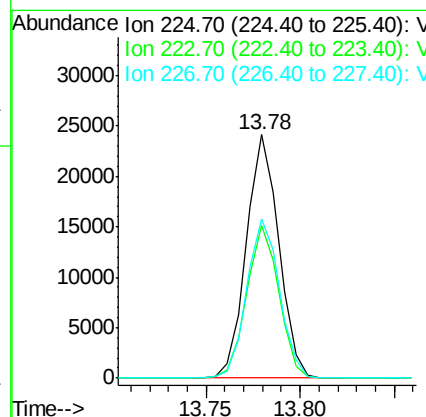
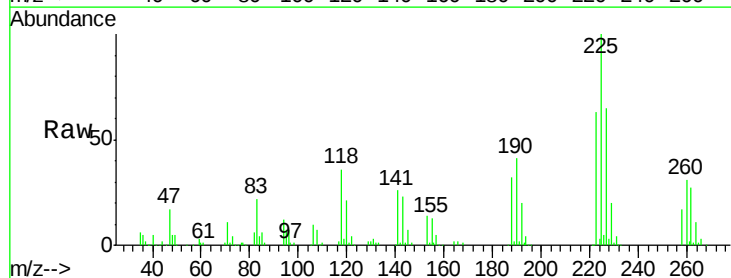
Manual Integrations
 APPROVED

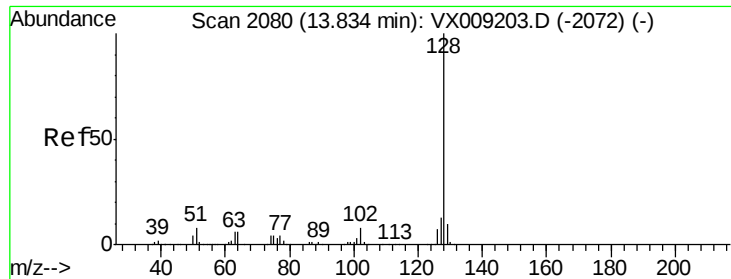
MMDadoda
 5/8/2019 10:10:40 AM



#94
 Hexachlorobutadiene
 Concen: 20.541 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009375.D
 Acq: 07 May 2019 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	28827		
223	62.3		31.3	93.8
227	65.9		31.8	95.3





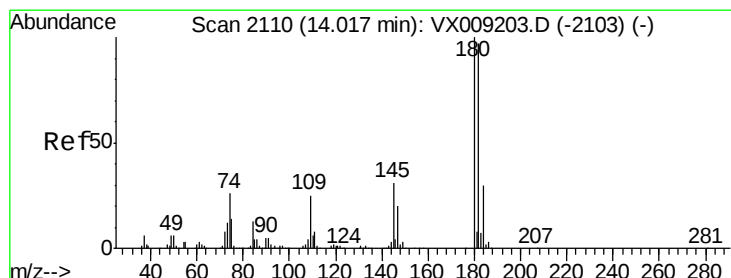
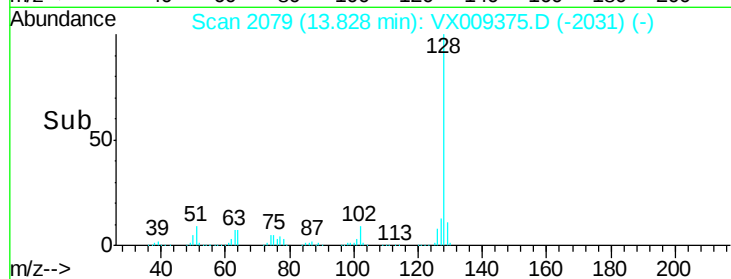
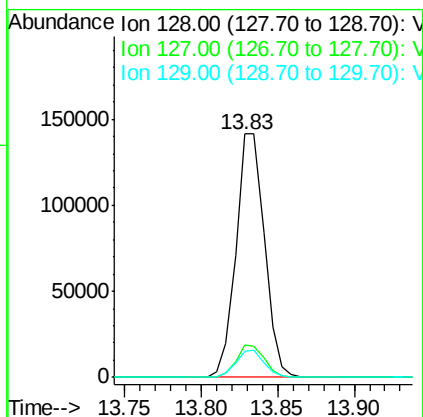
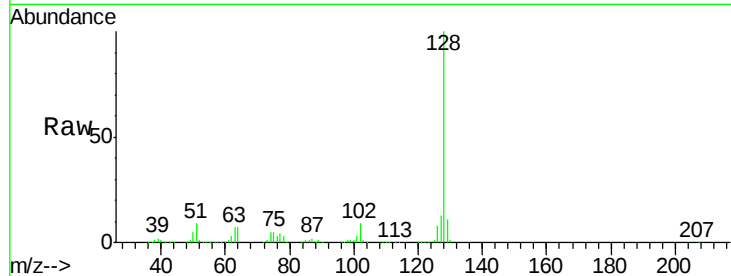
#95
Naphthalene
Concen: 20.434 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX009375.D
Acq: 07 May 2019 13:45

Instrument :
MSVOA_X
ClientSampleId :
VX0507WBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	182692		
127	13.3		10.4	15.6
129	11.0		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/8/2019 10:10:40 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.135 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX009375.D
Acq: 07 May 2019 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	58875		
182	94.1		47.8	143.4
145	30.6		15.4	46.4

